

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028640.D
 Acq On : 12 Dec 2018 10:20
 Operator : MD/SY
 Sample : VU1213WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 9:29:32 AM

Quant Time: Dec 13 01:02:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	111021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	189821	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	174046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	82272	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	78248	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	
35) Dibromofluoromethane	4.88	113	59812	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	7.57	98	234084	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	10.30	95	84354	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	28249	18.983	ug/l	100
3) Chloromethane	1.33	50	48332	17.666	ug/l	98
4) Vinyl Chloride	1.40	62	38373	19.436	ug/l	99
5) Bromomethane	1.61	94	16167	20.328	ug/l	100
6) Chloroethane	1.69	64	22186	19.849	ug/l	95
7) Trichlorofluoromethane	1.88	101	40701	19.594	ug/l	99
8) Diethyl Ether	2.10	74	19177	19.733	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	24260	19.528	ug/l	99
10) Methyl Iodide	2.41	142	25311	25.966	ug/l	97
11) Tert butyl alcohol	2.83	59	36346	96.288	ug/l	99
12) 1,1-Dichloroethene	2.28	96	23175	18.749	ug/l	99
13) Acrolein	2.19	56	26201	87.070	ug/l	100
14) Allyl chloride	2.59	41	59128	20.220	ug/l	93
15) Acrylonitrile	2.94	53	105314	100.492	ug/l	99
16) Acetone	2.32	43	99745	90.220	ug/l	97
17) Carbon Disulfide	2.48	76	80409	18.057	ug/l	100
18) Methyl Acetate	2.62	43	63893	22.294	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	91698	19.569	ug/l	99
20) Methylene Chloride	2.70	84	30449	18.683	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	26600	19.113	ug/l	92
22) Diisopropyl ether	3.57	45	110002	19.344	ug/l	99
23) Vinyl Acetate	3.52	43	454096	96.812	ug/l	98
24) 1,1-Dichloroethane	3.44	63	56693	19.046	ug/l	99
25) 2-Butanone	4.26	43	147519	97.638	ug/l	99
26) 2,2-Dichloropropane	4.22	77	45238	19.180	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	30509	19.368	ug/l	97
28) Bromochloromethane	4.55	49	27324	20.192	ug/l	96
29) Tetrahydrofuran	4.64	42	96571	99.522	ug/l	98
30) Chloroform	4.67	83	51029	19.669	ug/l	99
31) Cyclohexane	4.99	56	55932	18.501	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	42169	19.571	ug/l	97
36) 1,1-Dichloropropene	5.13	75	38389	18.481	ug/l	98
37) Ethyl Acetate	4.38	43	52512	19.556	ug/l	99
38) Carbon Tetrachloride	5.13	117	33242	19.855	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	48514	19.144	ug/l	97
40) Benzene	5.39	78	121960	19.935	ug/l	97
41) Methacrylonitrile	4.54	41	29543	20.090	ug/l	98
42) 1,2-Dichloroethane	5.40	62	41602	19.427	ug/l	100
43) Isopropyl Acetate	5.55	43	84631	19.927	ug/l	99
44) Trichloroethene	6.18	130	27076	19.905	ug/l	98
45) 1,2-Dichloropropane	6.43	63	34722	20.183	ug/l	96
46) Dibromomethane	6.56	93	20319	19.906	ug/l	97
47) Bromodichloromethane	6.76	83	39113	19.691	ug/l	99
48) Methyl methacrylate	6.62	41	43302	20.502	ug/l	99
49) 1,4-Dioxane	6.61	88	12985	389.358	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	268108	100.088	ug/l	99
52) Toluene	7.64	92	71958	19.986	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	47304	19.996	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	50417	19.644	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	29630	20.819	ug/l	98
56) Ethyl methacrylate	8.02	69	50232	20.611	ug/l	98
57) 1,3-Dichloropropane	8.24	76	52630	19.921	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	130550	104.579	ug/l	100
59) 2-Hexanone	8.36	43	207997	97.965	ug/l	97
60) Dibromochloromethane	8.48	129	27922	20.038	ug/l	99
61) 1,2-Dibromoethane	8.58	107	30793	20.632	ug/l	97
64) Tetrachloroethene	8.23	164	23110	19.906	ug/l	98
65) Chlorobenzene	9.12	112	74138	19.990	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	25479	21.514	ug/l	99
67) Ethyl Benzene	9.25	91	135794	19.917	ug/l	100
68) m/p-Xylenes	9.37	106	99004	39.907	ug/l	98
69) o-Xylene	9.78	106	48926	20.294	ug/l	99
70) Styrene	9.79	104	78592	19.698	ug/l	99
71) Bromoform	9.96	173	21606	21.445	ug/l #	100
73) Isopropylbenzene	10.17	105	130046	20.600	ug/l	100
74) N-amyl acetate	10.01	43	74923	20.575	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	52552	21.670	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	45770m	21.787	ug/l	
77) Bromobenzene	10.45	156	30787	20.852	ug/l	97
78) n-propylbenzene	10.58	91	153753	19.600	ug/l	99
79) 2-Chlorotoluene	10.66	91	92107	20.384	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	107559	20.583	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	17147m	20.381	ug/l	
82) 4-Chlorotoluene	10.77	91	104127	19.446	ug/l	100
83) tert-Butylbenzene	11.10	119	102762	20.402	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	108753	20.193	ug/l	98
85) sec-Butylbenzene	11.32	105	130490	20.166	ug/l	99
86) p-Isopropyltoluene	11.48	119	109480	19.917	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	55641	19.958	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	55021	19.075	ug/l	98
89) n-Butylbenzene	11.89	91	102038	18.343	ug/l	99
90) Hexachloroethane	12.14	117	17523	21.091	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	55721	19.981	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	11121	21.182	ug/l	91

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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	35902	19.262	ug/l	99
94) Hexachlorobutadiene	13.69	225	17067	18.683	ug/l	97
95) Naphthalene	13.74	128	126753	18.941	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	36624	19.293	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

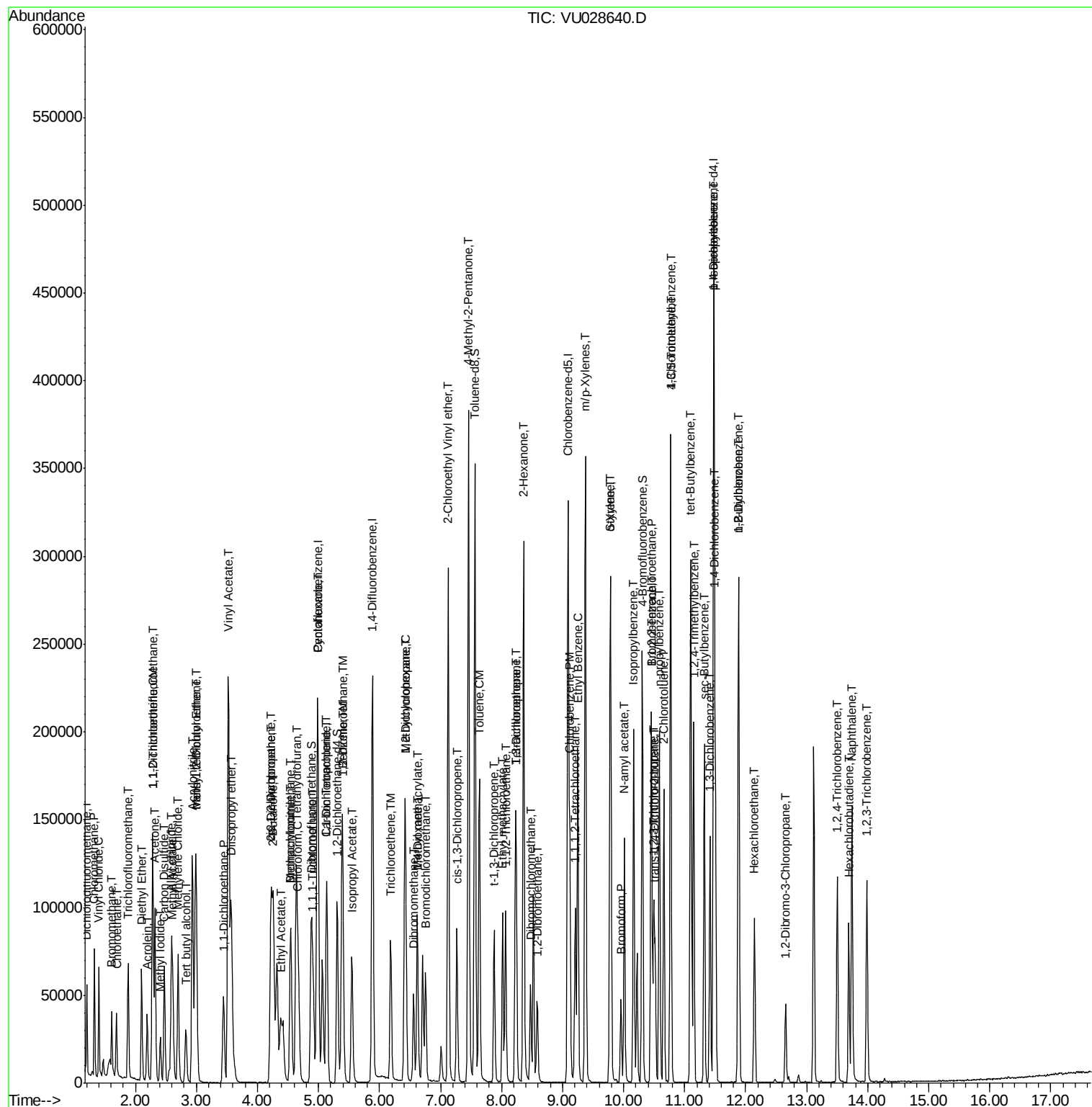
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Data File : VU028640.D
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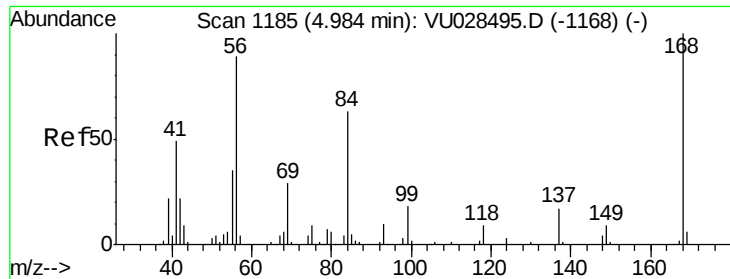
Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS02

Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBS02

Tot Ion:168 Resp: 111021

Ion Ratio Lower Upper

168 100

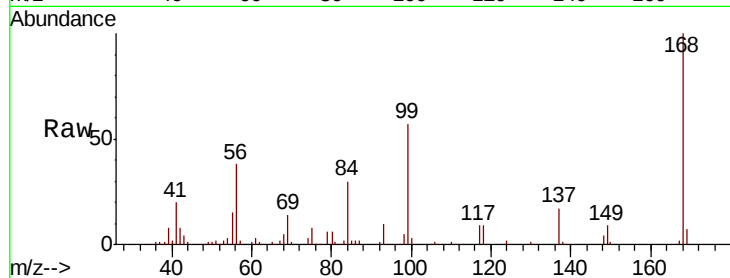
99 56.8 46.6 69.8

Manual Integrations

APPROVED

MMDadoda

12/13/2018 9:29:32 AM



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

50000

40000

30000

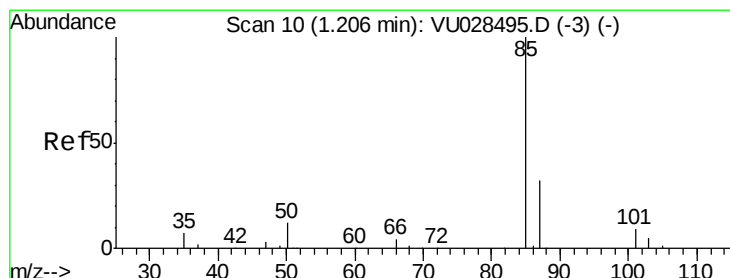
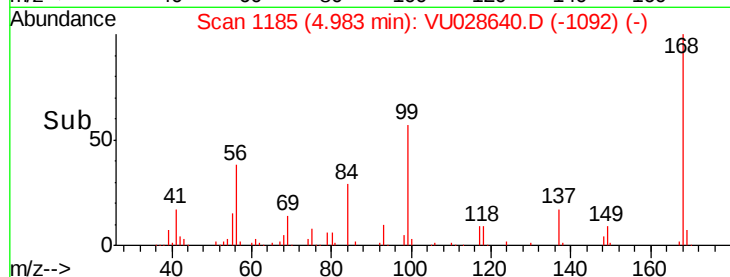
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.983 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028640.D

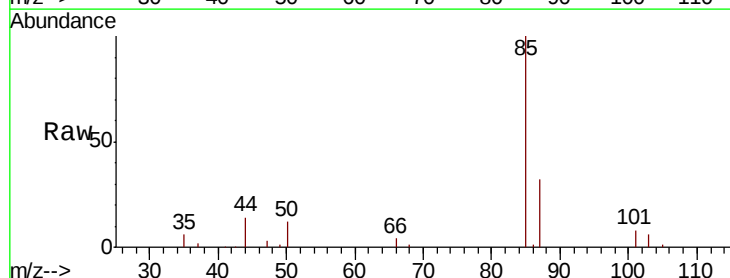
Acq: 12 Dec 2018 10:20

Tgt Ion: 85 Resp: 28249

Ion Ratio Lower Upper

85 100

87 31.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

30000

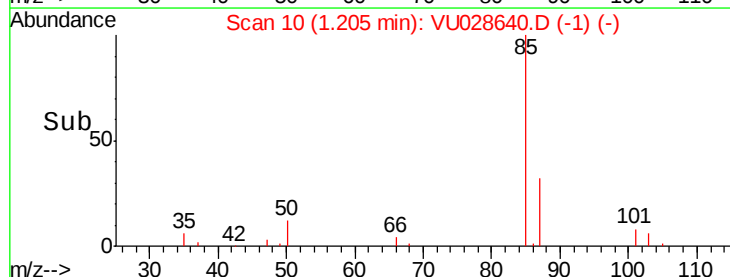
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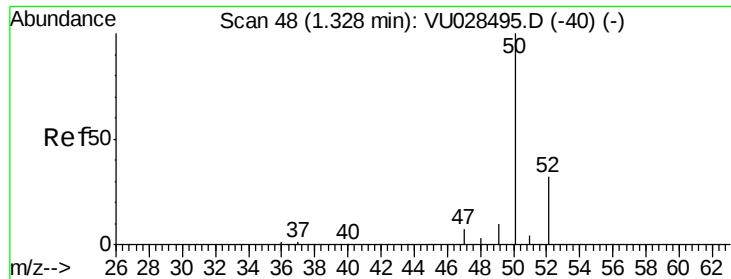
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.666 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBS02

Tot Ion: 50 Resp: 48332

Ion Ratio Lower Upper

50 100

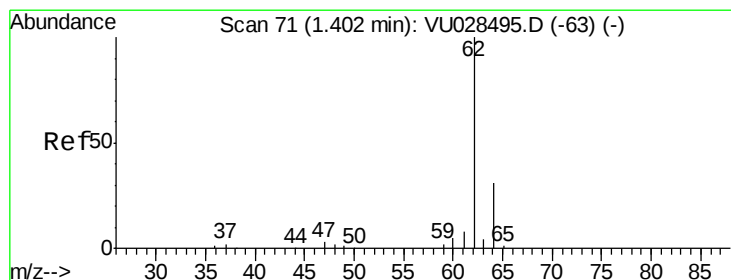
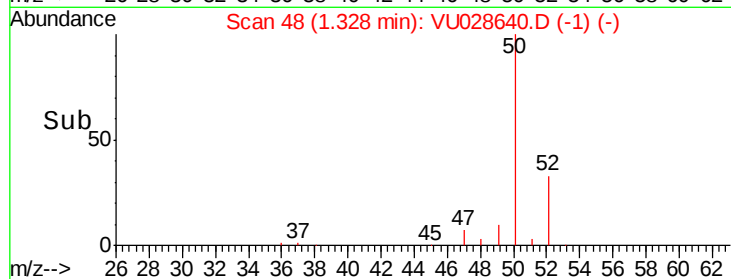
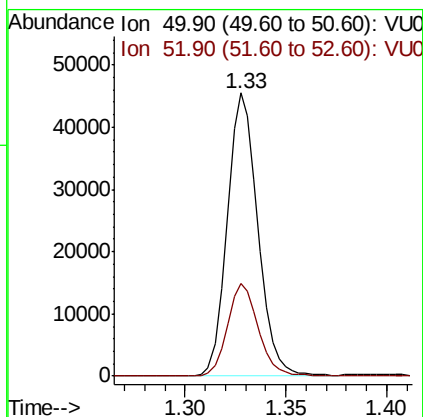
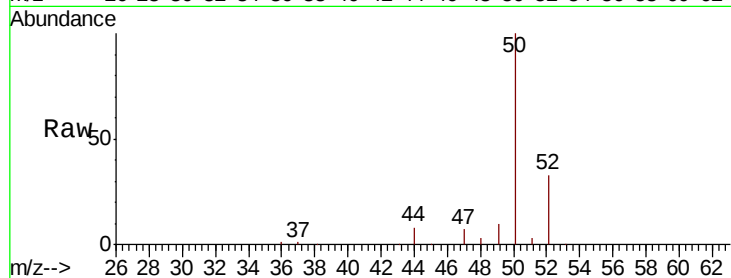
52 32.8 25.5 38.3

Manual Integrations

APPROVED

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12/13/2018 9:29:32 AM



#4

Vinyl Chloride

Concen: 19.436 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028640.D

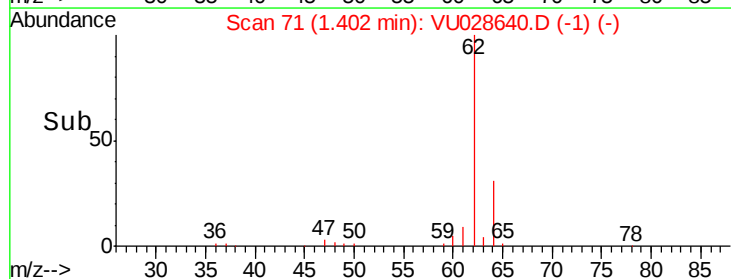
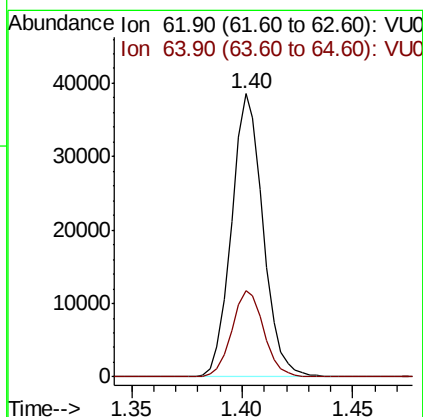
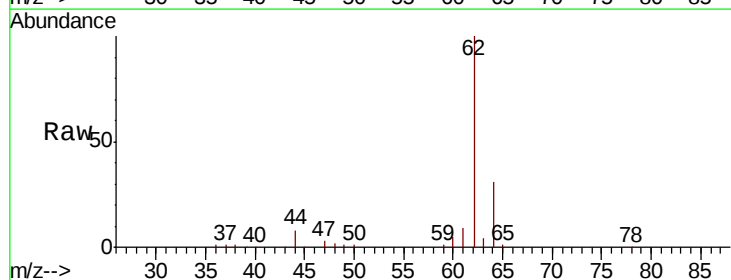
Acq: 12 Dec 2018 10:20

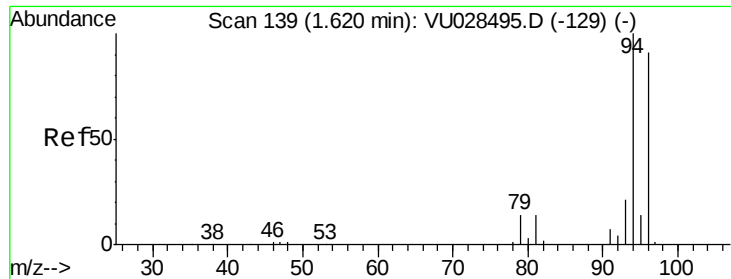
Tgt Ion: 62 Resp: 38373

Ion Ratio Lower Upper

62 100

64 30.7 25.1 37.7





#5

Bromomethane

Concen: 20.328 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.01 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Instrument :

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ClientSampleId :

VU1213WBS02

Tot Ion: 94 Resp: 16167

Ion Ratio Lower Upper

94 100

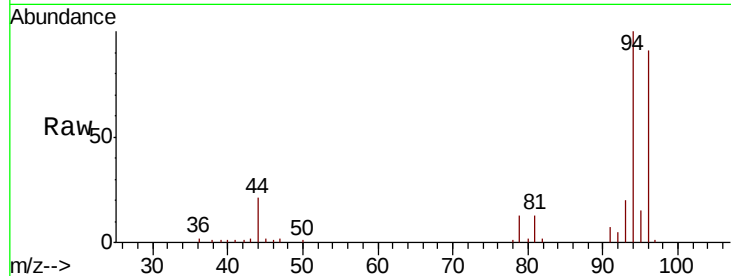
96 91.5 73.2 109.8

Manual Integrations

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12/13/2018 9:29:32 AM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

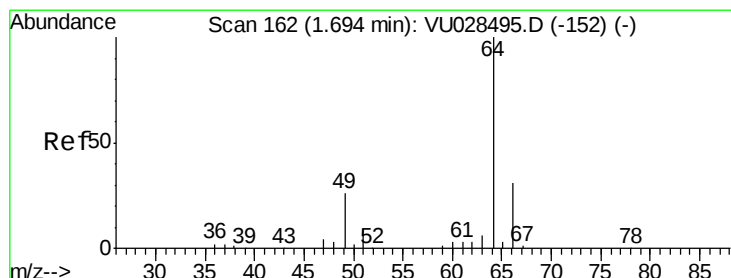
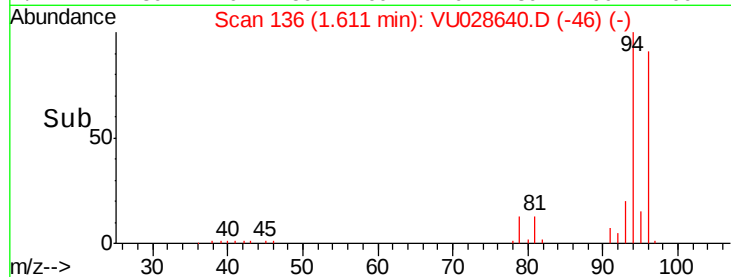
15000

10000

5000

0

Time--> 1.55 1.60 1.65



#6

Chloroethane

Concen: 19.849 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU028640.D

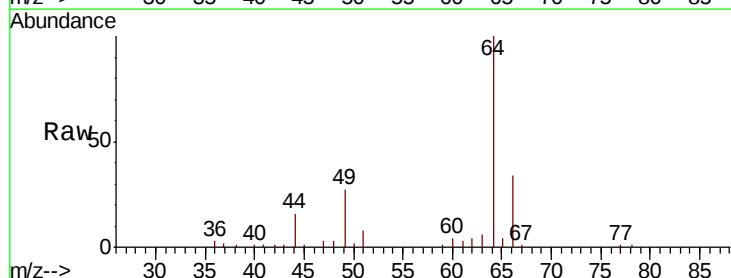
Acq: 12 Dec 2018 10:20

Tgt Ion: 64 Resp: 22186

Ion Ratio Lower Upper

64 100

66 34.1 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

20000

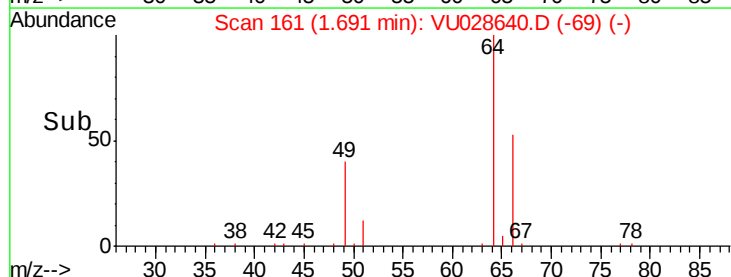
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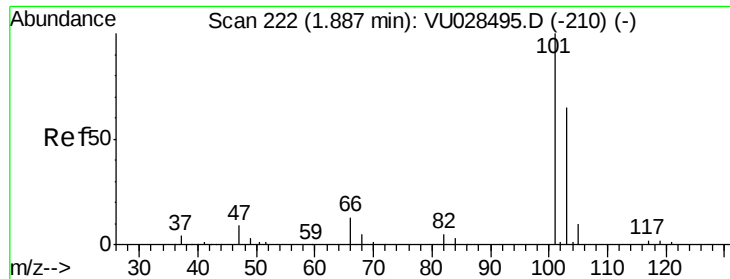
10000

5000

0

Time--> 1.65 1.70 1.75





#7

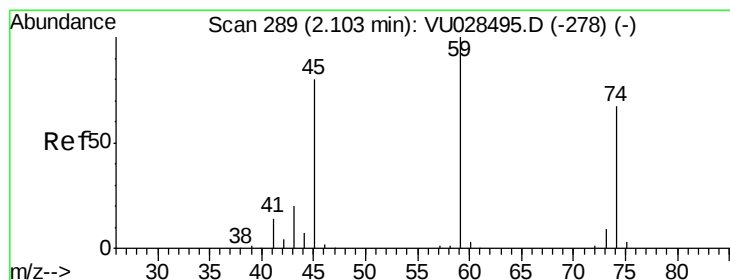
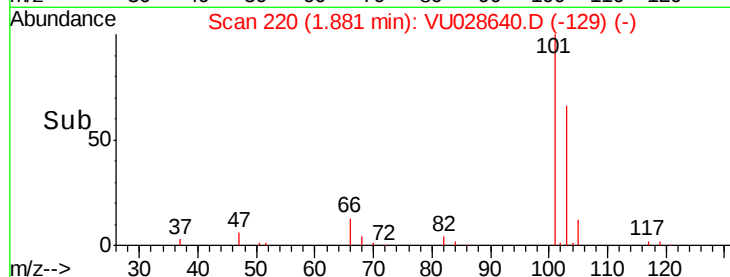
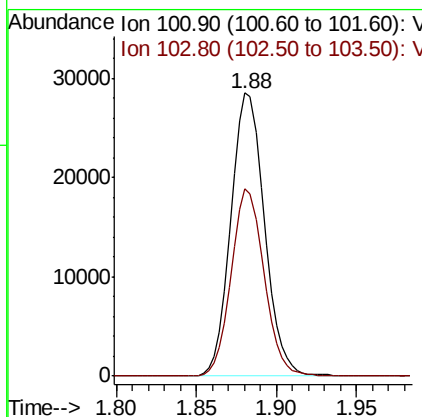
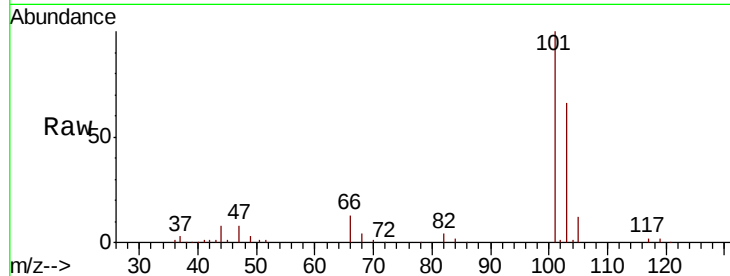
Trichlorofluoromethane
 Concen: 19.594 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Instrument :
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 ClientSampleId :
 VU1213WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.3	78.5

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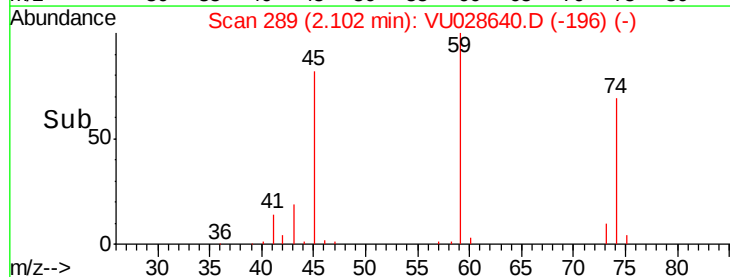
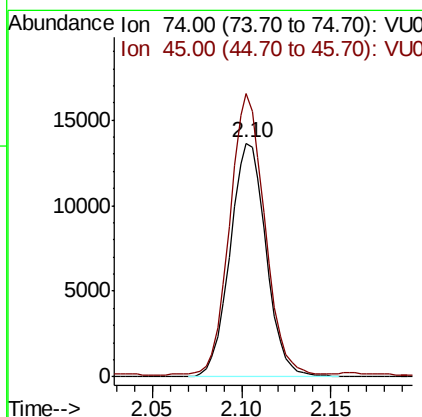
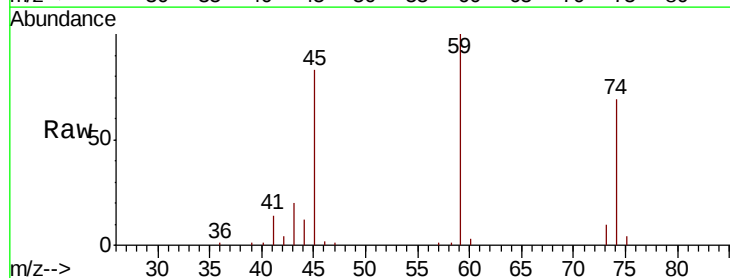
MMDadoda
 12/13/2018 9:29:32 AM

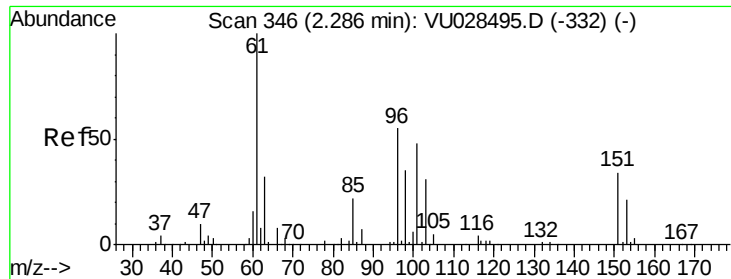


#8

Diethyl Ether
 Concen: 19.733 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.1	59.7	179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.528 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Instrument :

MSVOA_U

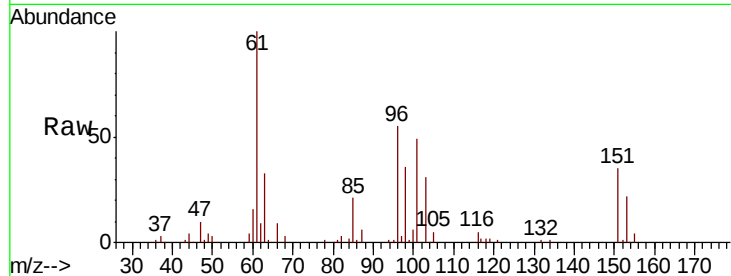
ClientSampleId :

VU1213WBS02

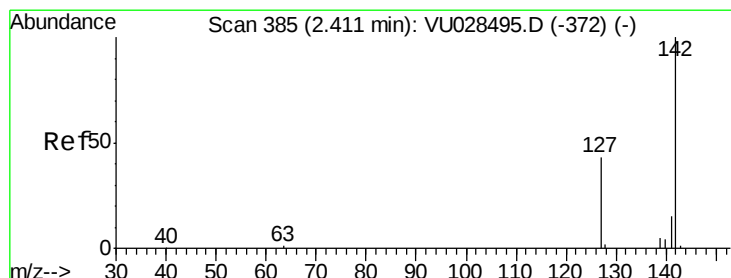
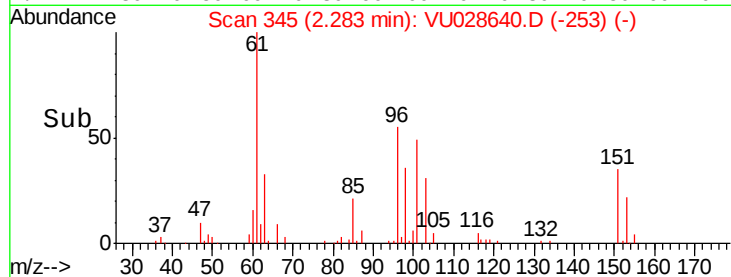
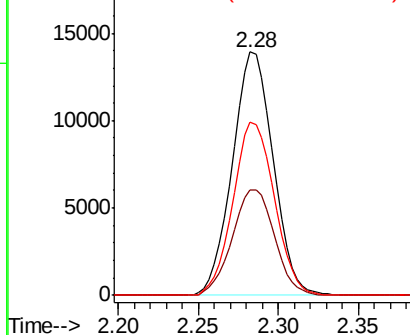
Tot Ion:	101	Resp:	24260
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.4	54.6
151	72.2	58.2	87.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VU
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 25.966 ug/l

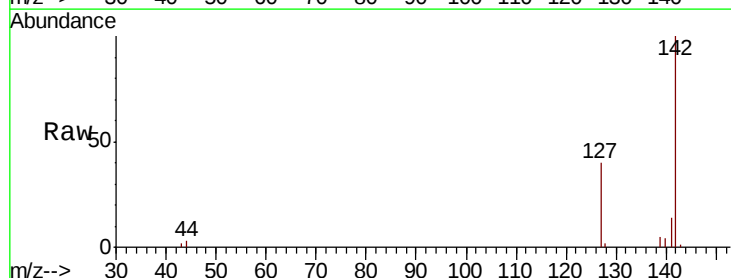
RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

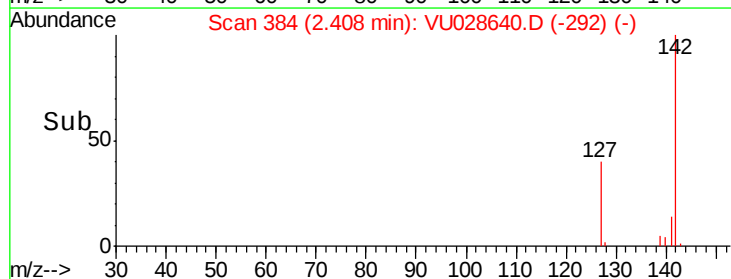
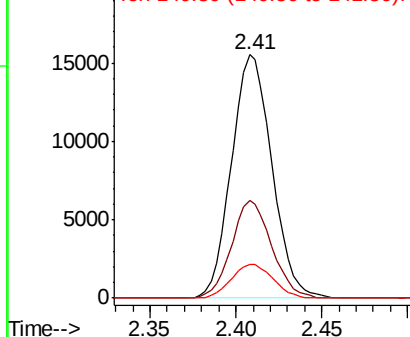
Lab File: VU028640.D

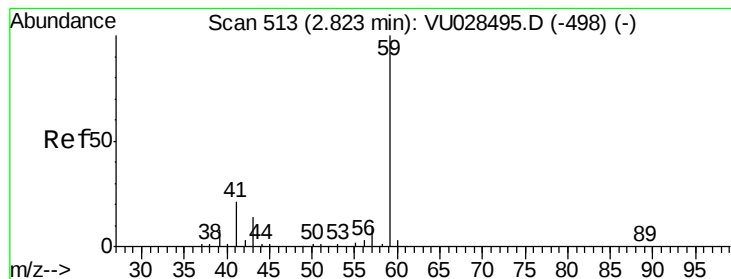
Acq: 12 Dec 2018 10:20

Tgt Ion:	142	Resp:	25311
Ion Ratio	Lower	Upper	
142	100		
127	39.5	33.5	50.3
141	14.2	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

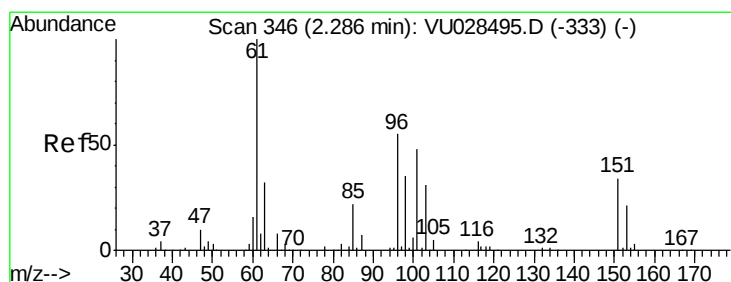
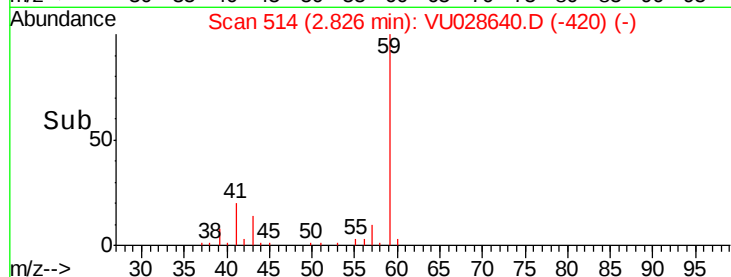
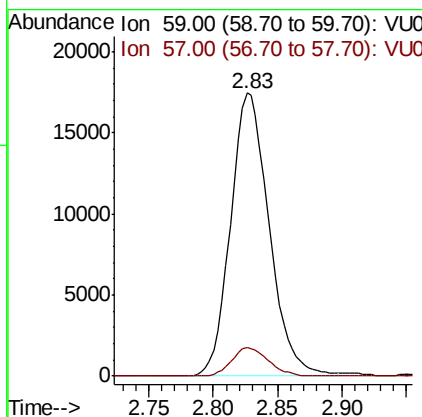
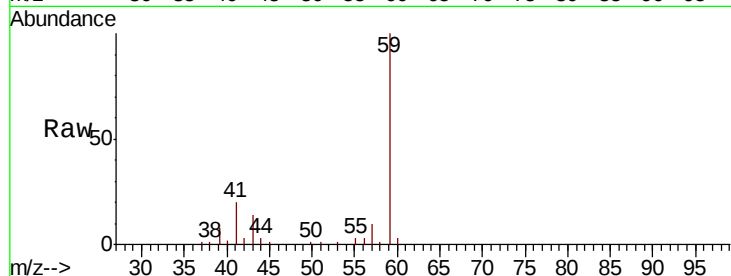
Tert butyl alcohol
Concen: 96.288 ug/l
RT: 2.83 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	36346		
57	9.5		8.0	12.0

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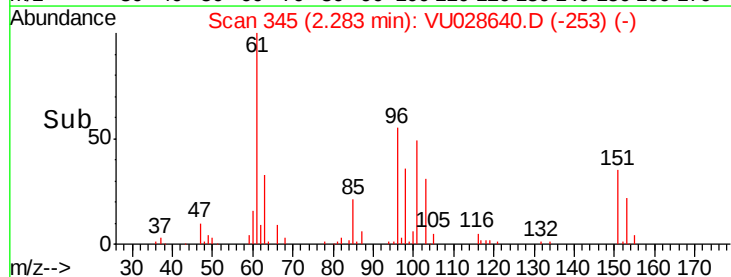
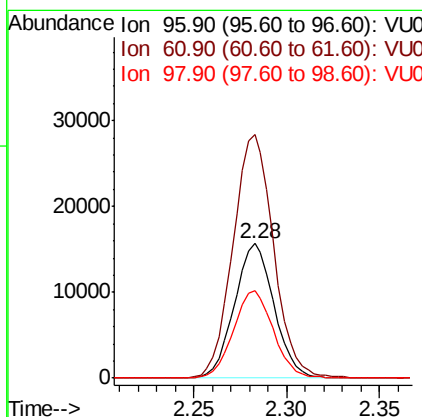
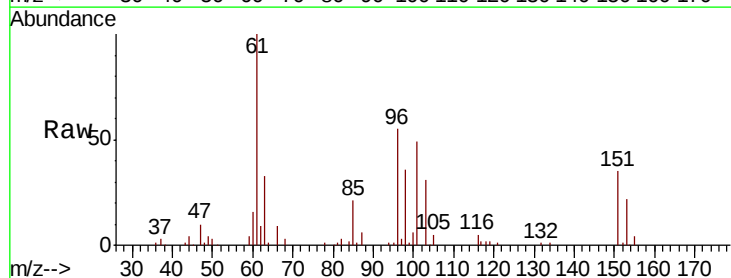
MMDadoda
12/13/2018 9:29:32 AM

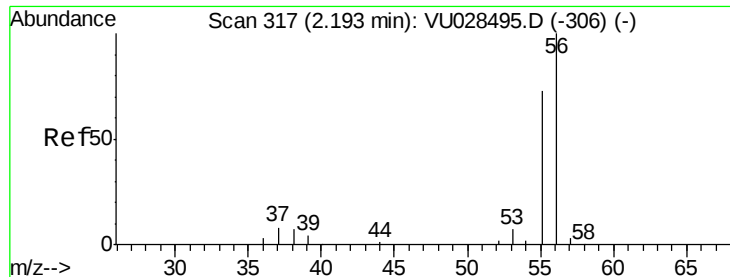


#12

1,1-Dichloroethene
Concen: 18.749 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	23175		
61	181.2		146.4	219.6
98	64.9		51.8	77.8





#13

Acrolein

Concen: 87.070 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBS02

Tot Ion: 56 Resp: 26201

Ion Ratio Lower Upper

56 100

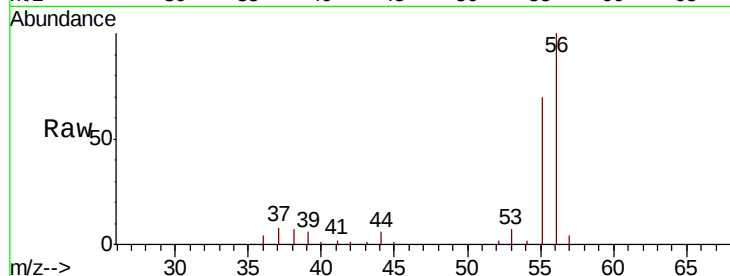
55 72.1 57.5 86.3

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

20000

15000

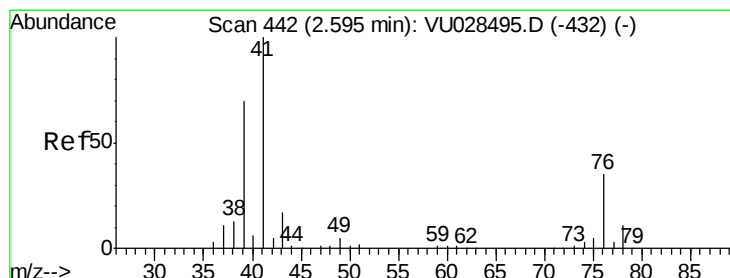
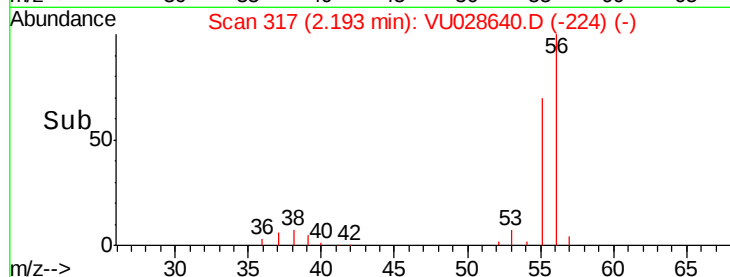
10000

5000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 20.220 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

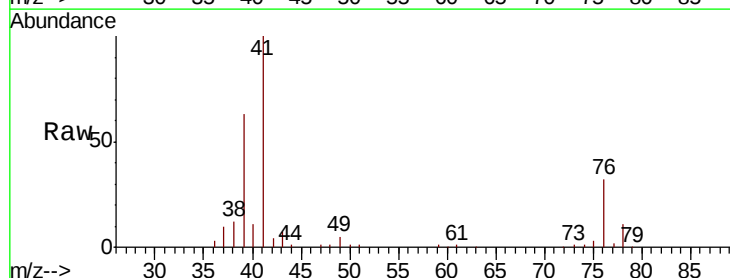
Tgt Ion: 41 Resp: 59128

Ion Ratio Lower Upper

41 100

39 56.9 50.8 76.2

76 28.6 24.8 37.2



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

60000

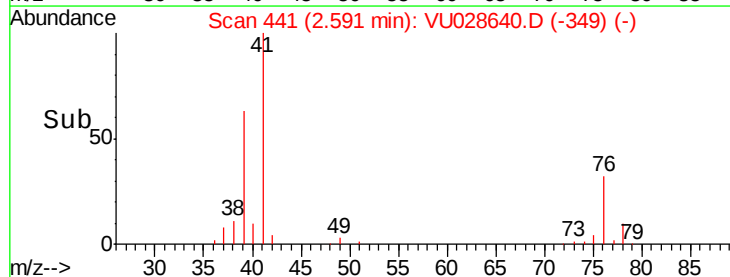
40000

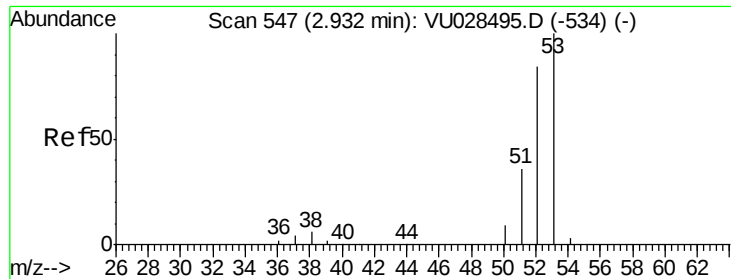
20000

0

Time-->

2.50 2.60 2.70





#15

Acrylonitrile

Concen: 100.492 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Instrument :

MSVOA_U

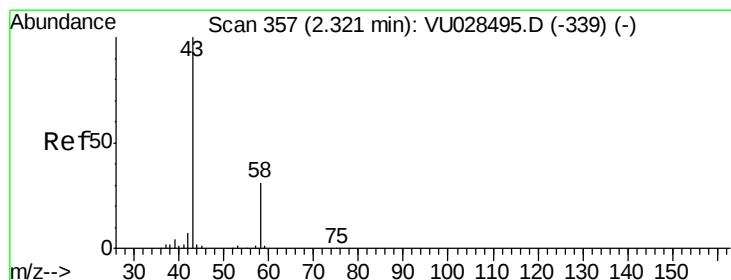
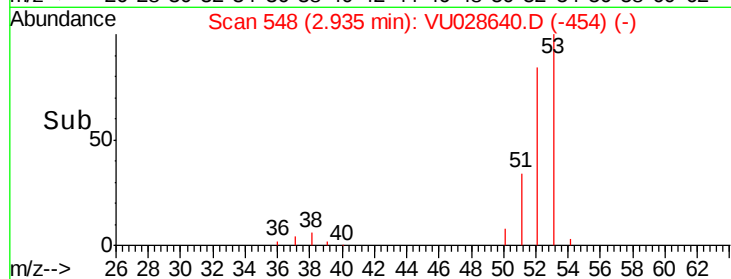
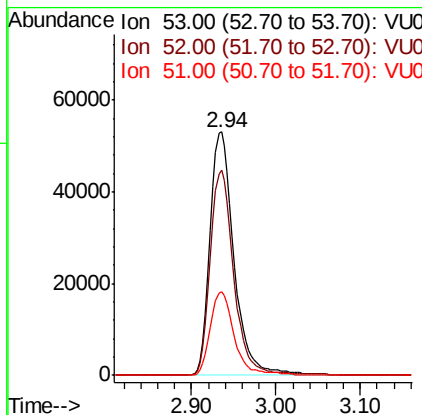
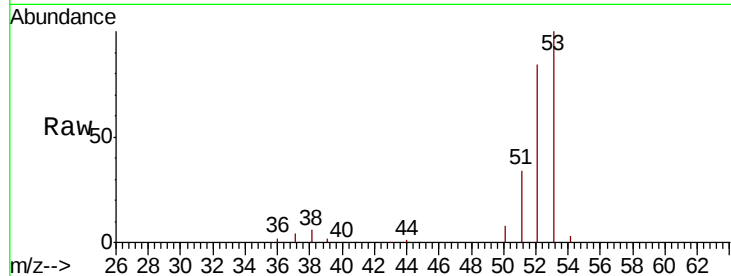
ClientSampleId :

VU1213WBS02

Tot Ion:	53	Resp:	105314
Ion Ratio		Lower	Upper
53	100		
52	82.2	66.1	99.1
51	34.4	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 90.220 ug/l

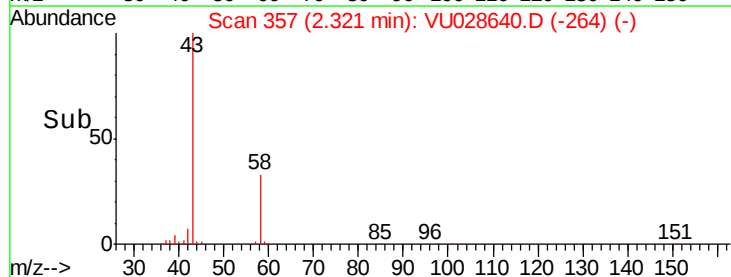
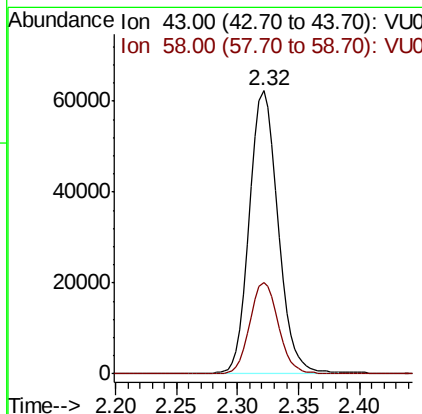
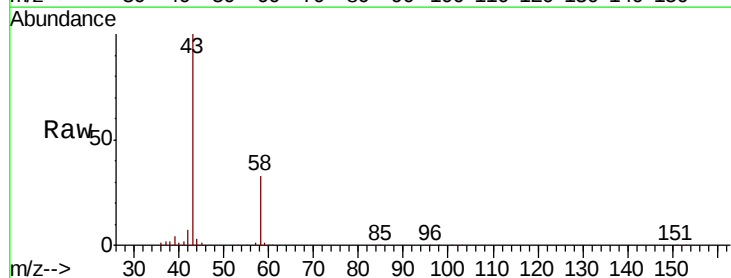
RT: 2.32 min Scan# 357

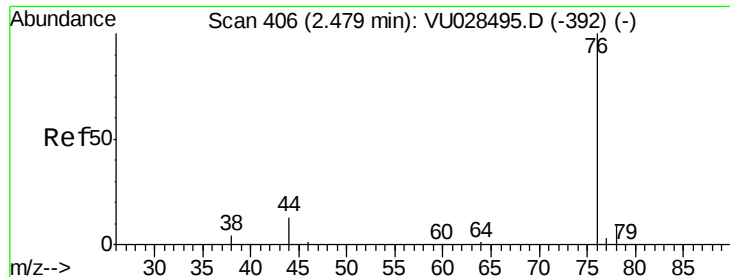
Delta R.T. -0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Tgt Ion:	43	Resp:	99745
Ion Ratio		Lower	Upper
43	100		
58	32.6	24.6	37.0





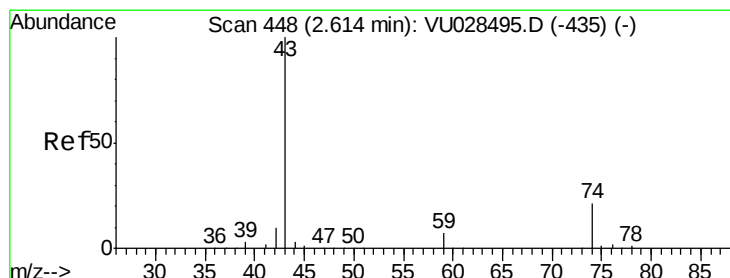
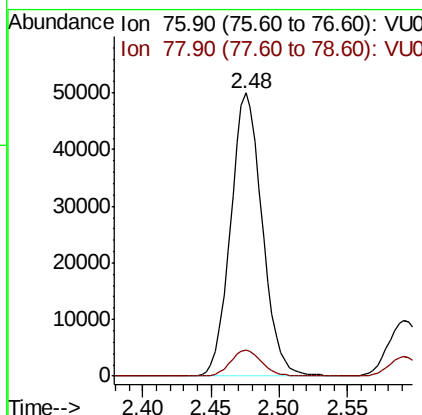
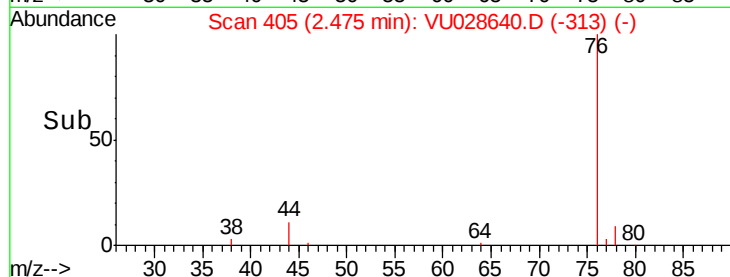
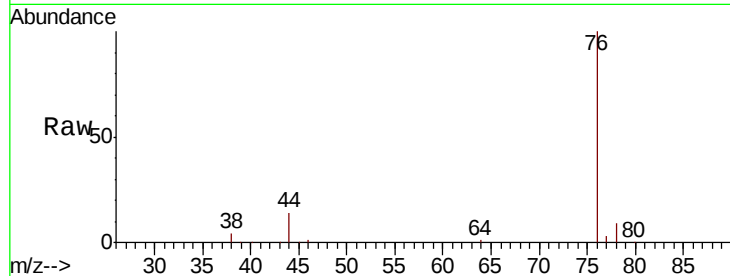
#17
Carbon Disulfide
Concen: 18.057 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS02

Tot Ion: 76 Resp: 80409
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

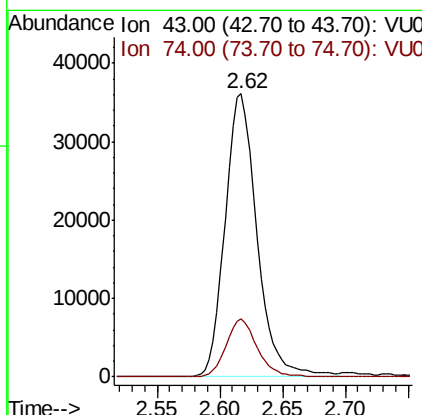
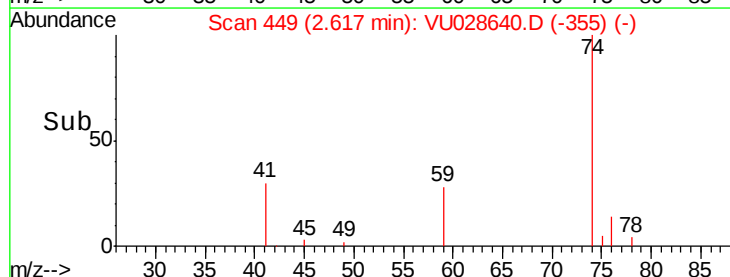
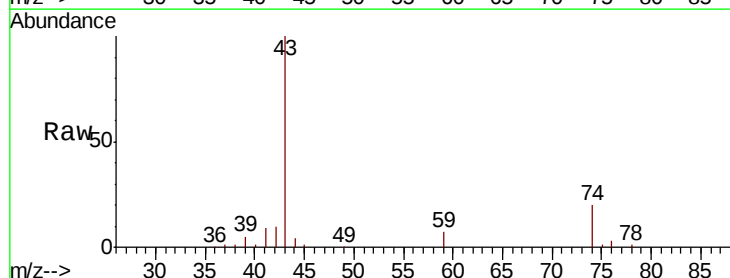
Manual Integrations
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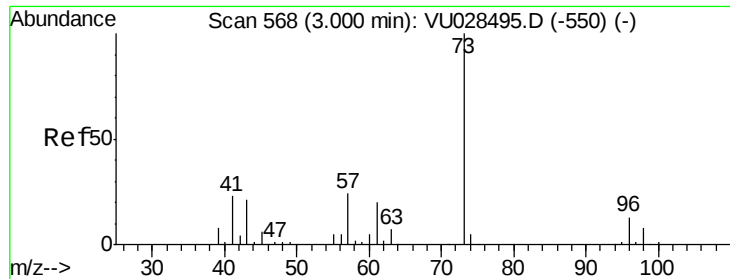
MMDadoda
12/13/2018 9:29:32 AM



#18
Methyl Acetate
Concen: 22.294 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Tgt Ion: 43 Resp: 63893
Ion Ratio Lower Upper
43 100
74 20.0 16.4 24.6





#19

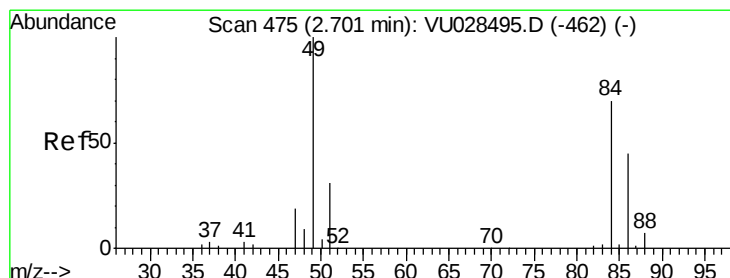
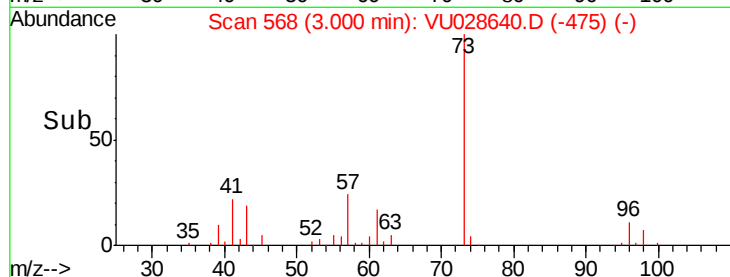
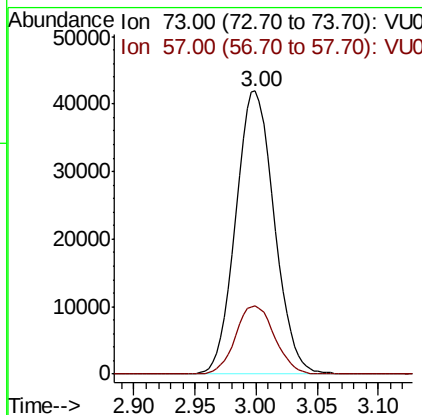
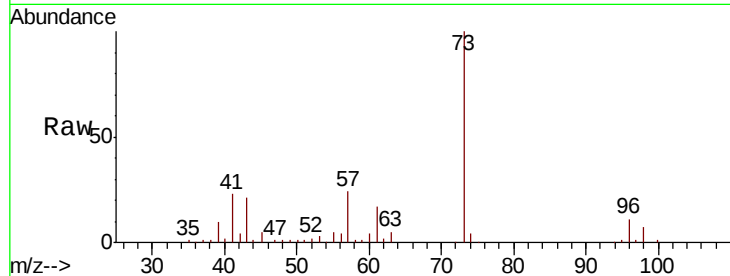
Methvl tert-butvl Ether
 Concen: 19.569 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.4	29.2

Manual Integrations
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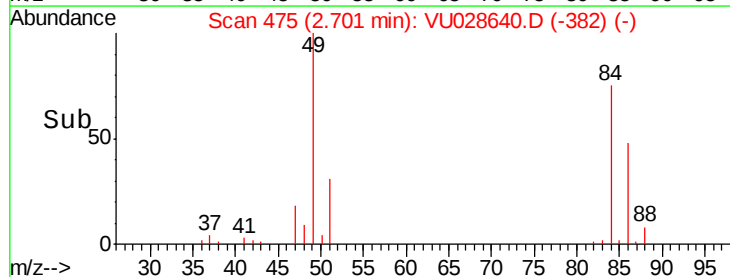
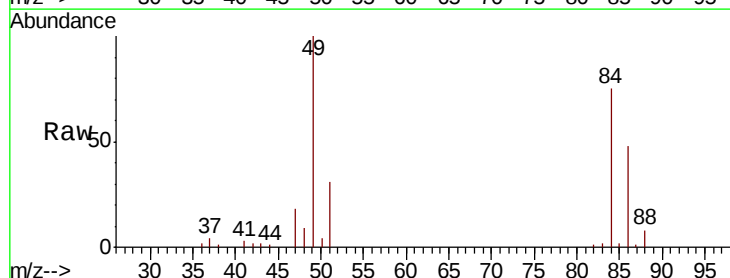
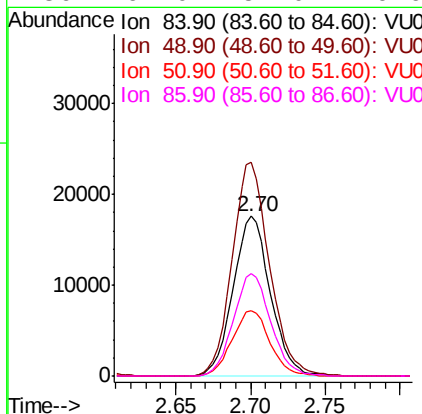
MMDadoda
 12/13/2018 9:29:32 AM

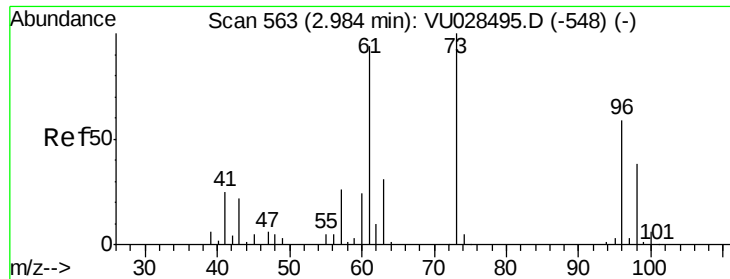


#20

Methylene Chloride
 Concen: 18.683 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.8	114.0	171.0
51	40.9	35.1	52.7
86	64.0	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 19.113 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBS02

Tot Ion: 96 Resp: 26600

Ion Ratio Lower Upper

96 100

61 147.6 127.0 190.4

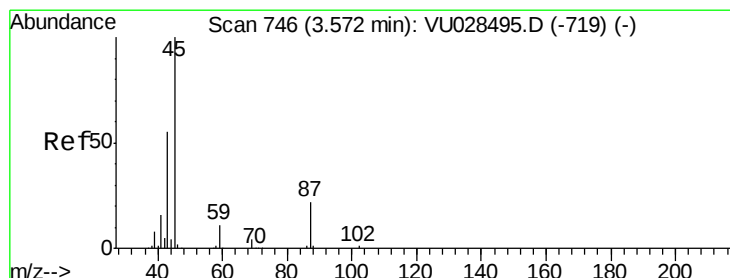
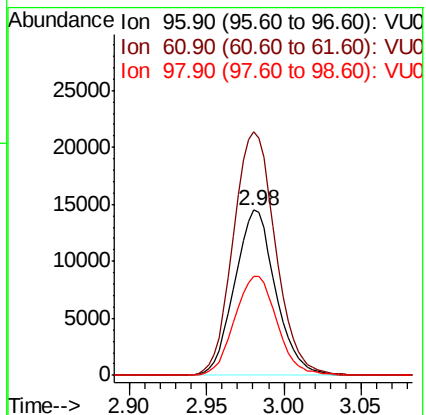
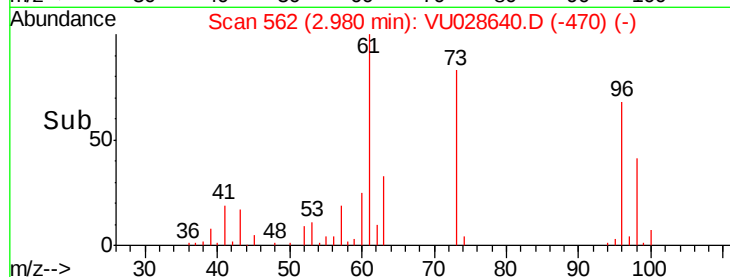
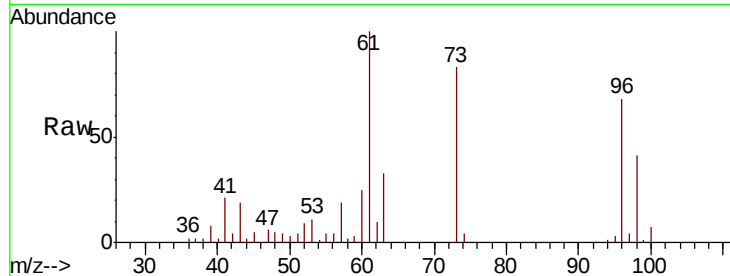
98 59.8 51.9 77.9

Manual Integrations

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MMDadoda

12/13/2018 9:29:32 AM



#22

Diisopropyl ether

Concen: 19.344 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Tgt Ion: 45 Resp: 110002

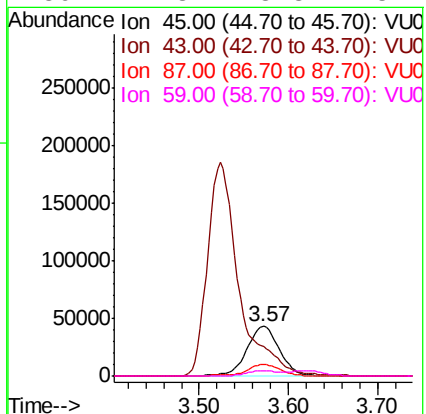
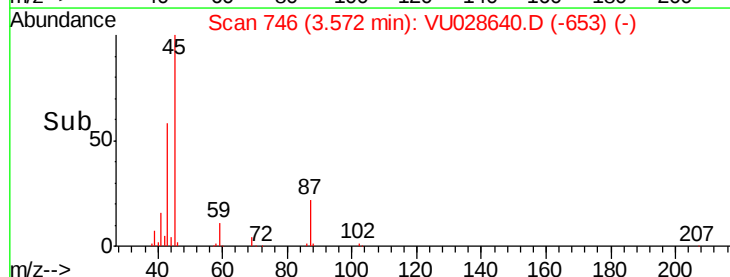
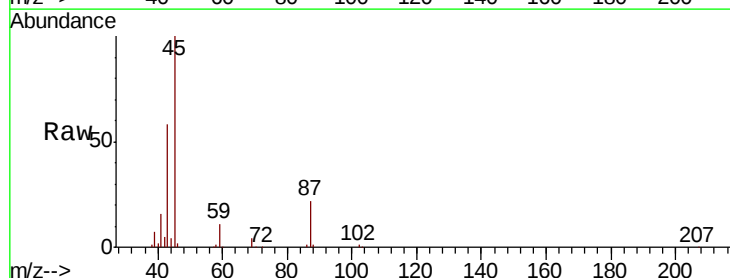
Ion Ratio Lower Upper

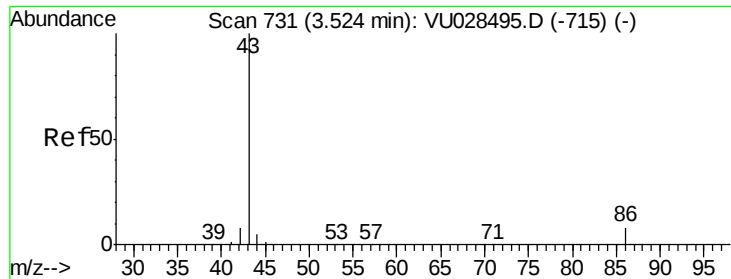
45 100

43 56.0 45.3 67.9

87 22.5 17.6 26.4

59 11.3 8.8 13.2





#23

Vinyl Acetate

Concen: 96.812 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBS02

Tot Ion: 43 Resp: 454096

Ion Ratio Lower Upper

43 100

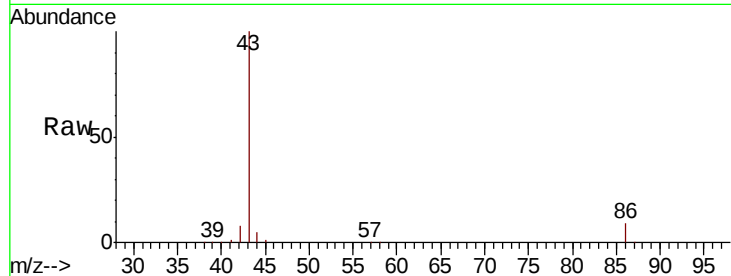
86 9.1 6.8 10.2

Manual Integrations

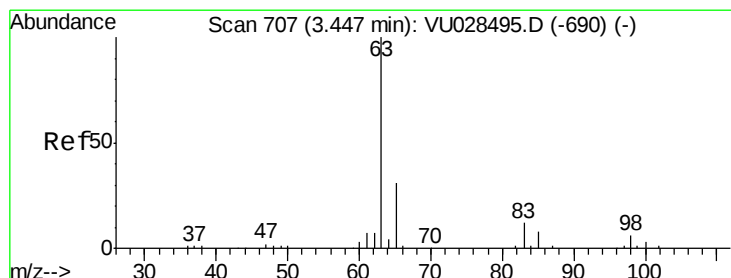
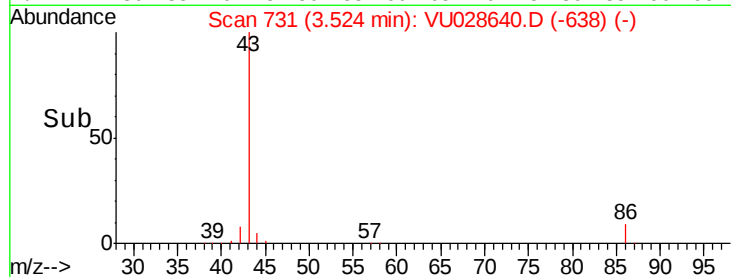
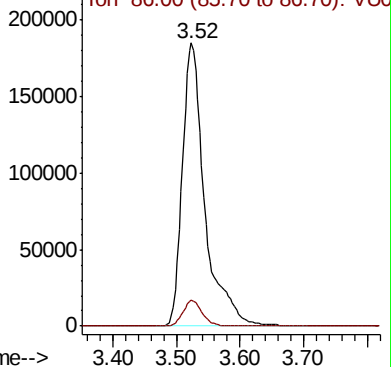
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12/13/2018 9:29:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VU028640.D (-638) (-)



#24

1,1-Dichloroethane

Concen: 19.046 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

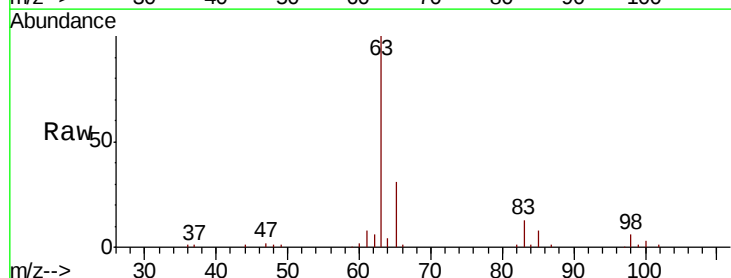
Tgt Ion: 63 Resp: 56693

Ion Ratio Lower Upper

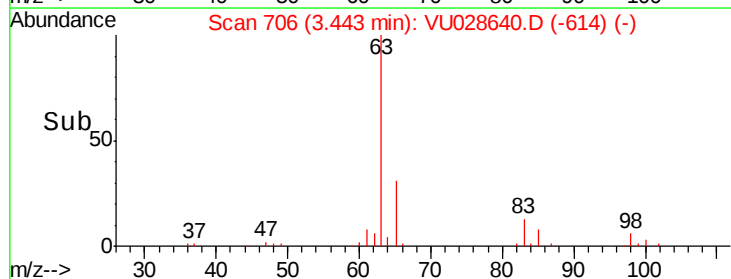
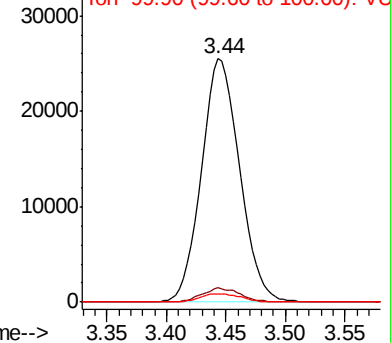
63 100

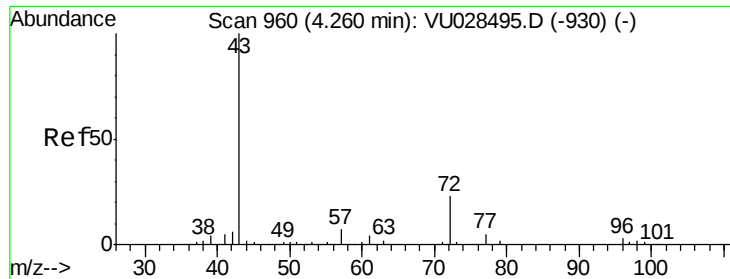
98 5.8 3.0 9.2

100 3.4 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028640.D (-614) (-)





#25

2-Butanone

Concen: 97.638 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBS02

Tot Ion: 43 Resp: 147519

Ion Ratio Lower Upper

43 100

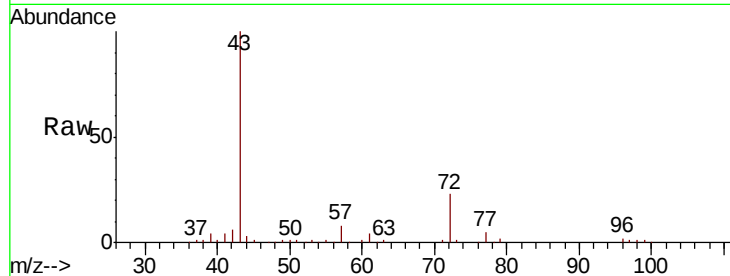
72 23.0 18.6 28.0

Manual Integrations

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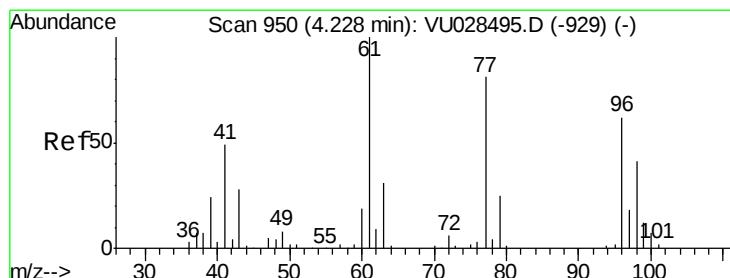
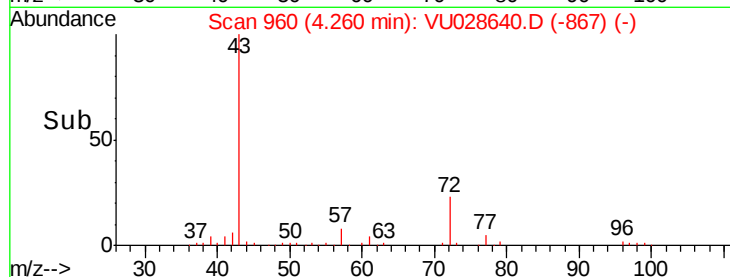
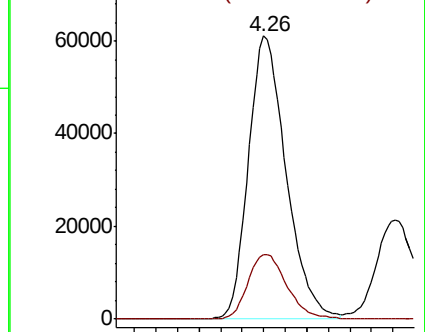
MMDadoda

12/13/2018 9:29:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 19.180 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028640.D

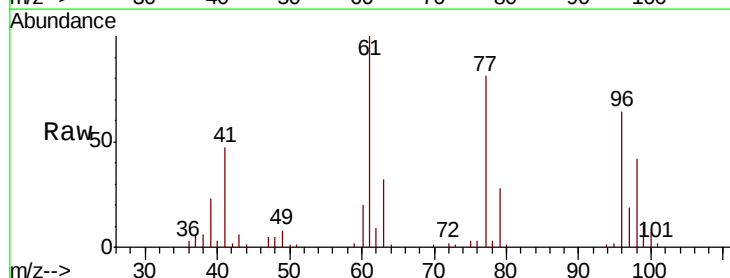
Acq: 12 Dec 2018 10:20

Tgt Ion: 77 Resp: 45238

Ion Ratio Lower Upper

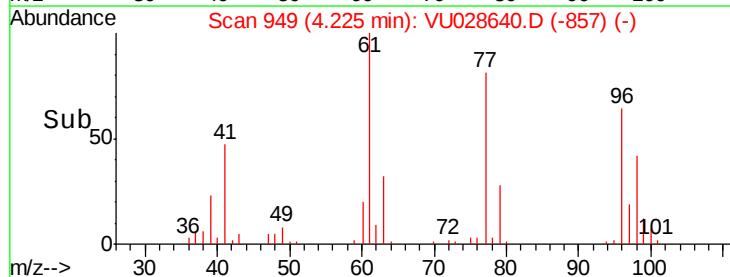
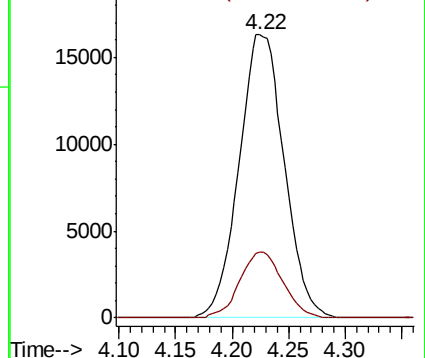
77 100

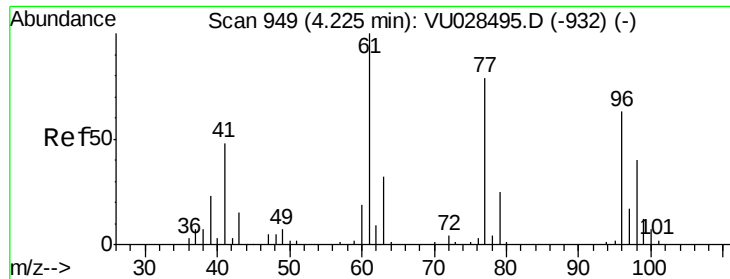
97 22.2 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

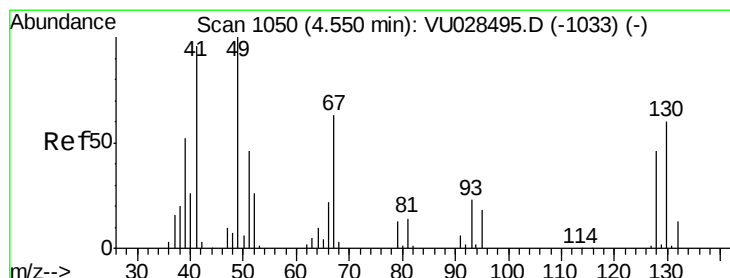
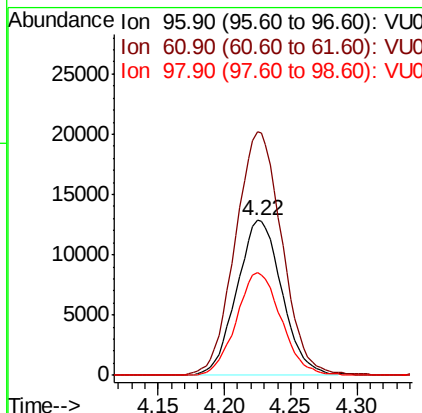
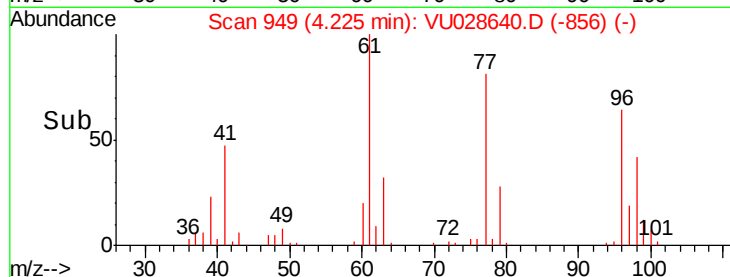
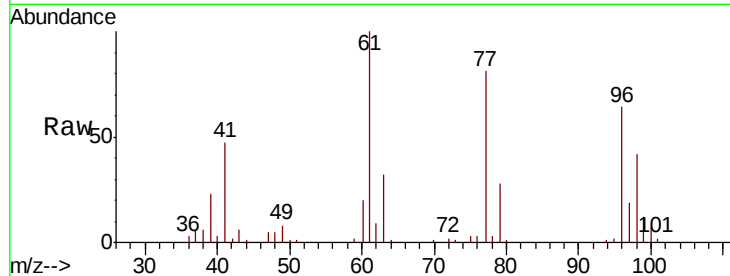
cis-1,2-Dichloroethene
 Concen: 19.368 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.2	0.0	332.4
98	65.6	0.0	129.0

Manual Integrations
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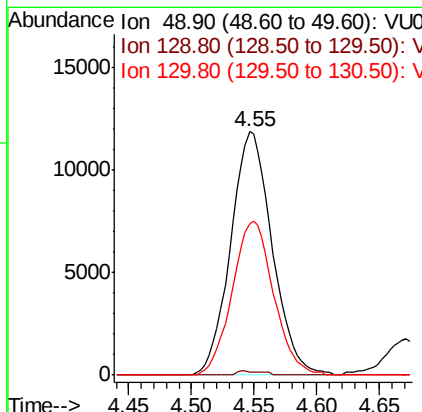
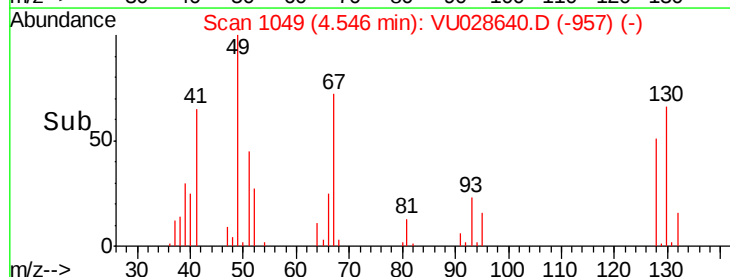
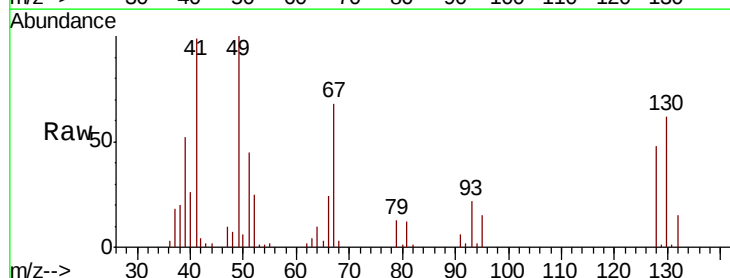
MMDadoda
 12/13/2018 9:29:32 AM

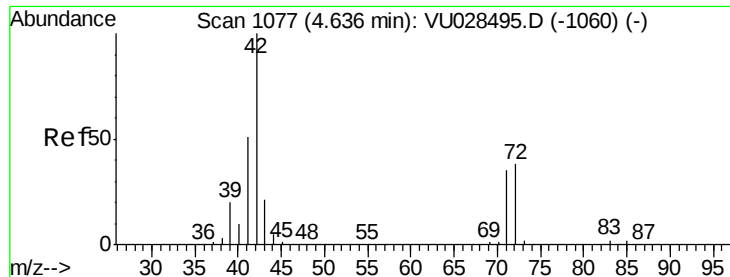


#28

Bromochloromethane
 Concen: 20.192 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.0
130	62.9	47.8	71.8





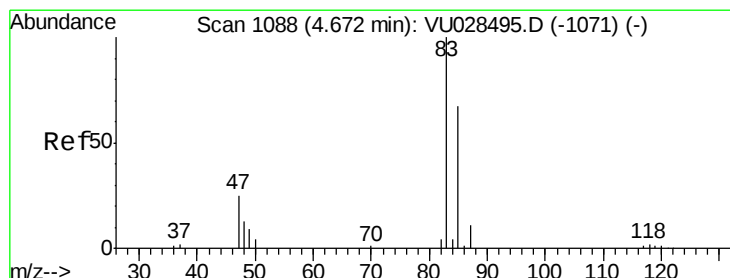
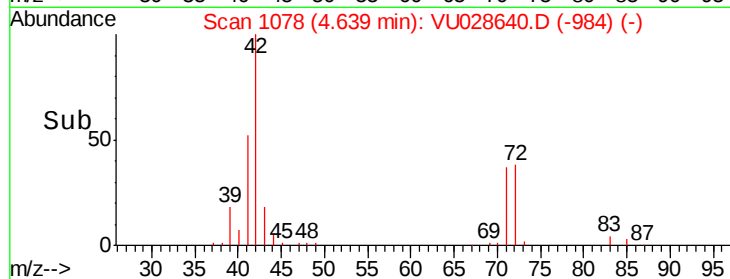
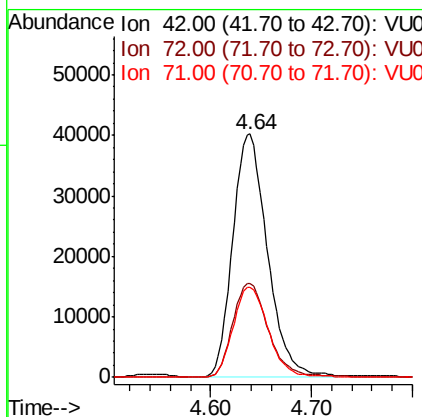
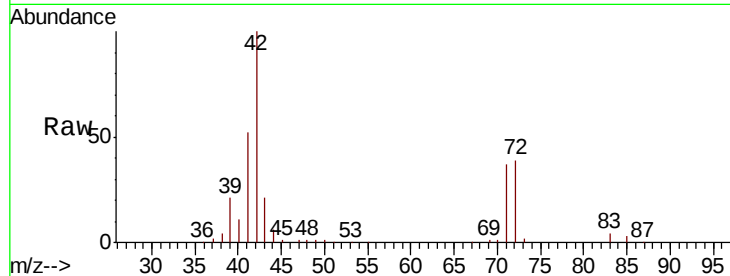
#29
Tetrahydrofuran
Concen: 99.522 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	31.4	47.0
71	37.4	28.6	43.0

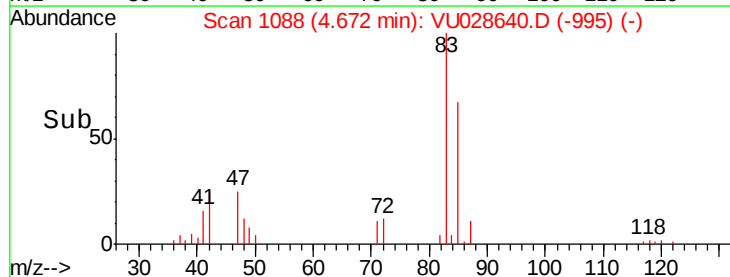
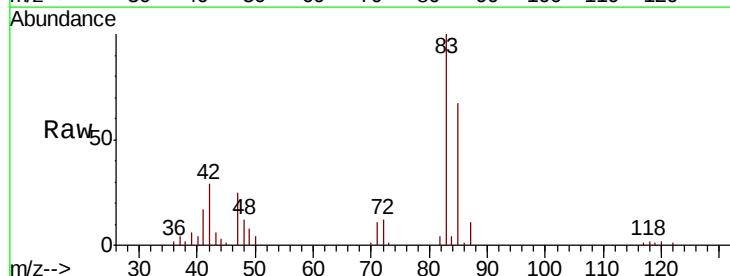
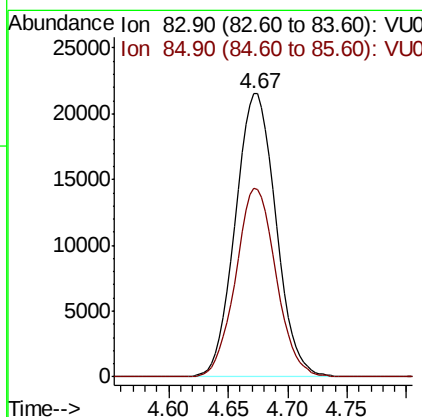
Manual Integrations
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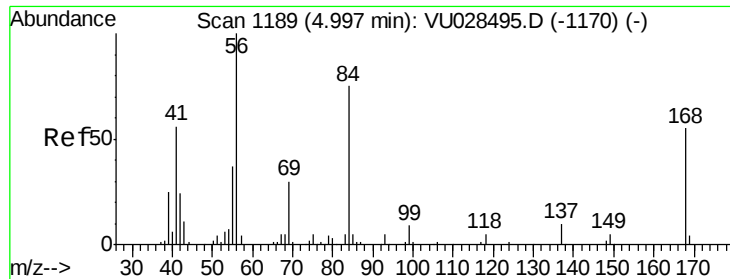
MMDadoda
12/13/2018 9:29:32 AM



#30
Chloroform
Concen: 19.669 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	53.6	80.4





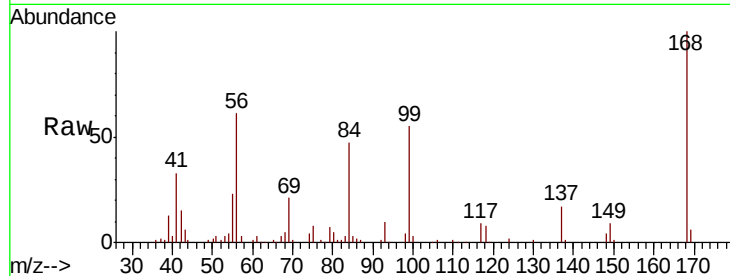
#31
Cyclohexane
Concen: 18.501 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS02

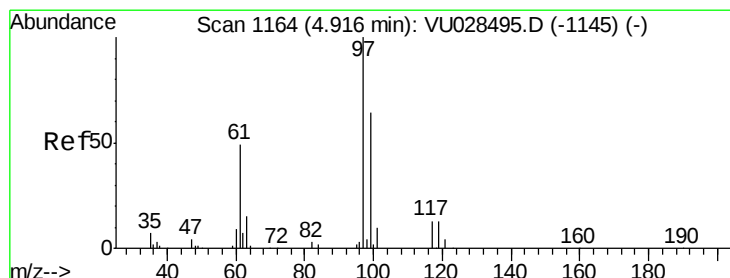
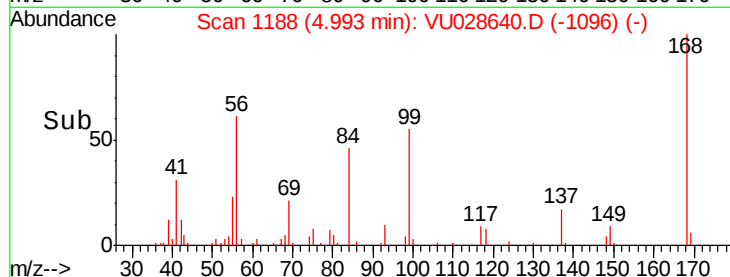
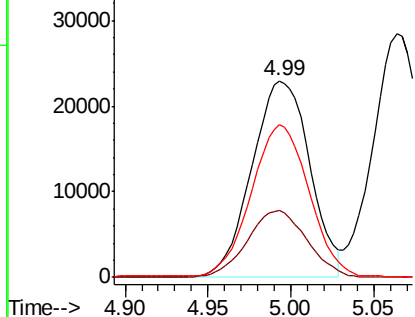
Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	24.0	36.0
84	77.1	59.7	89.5

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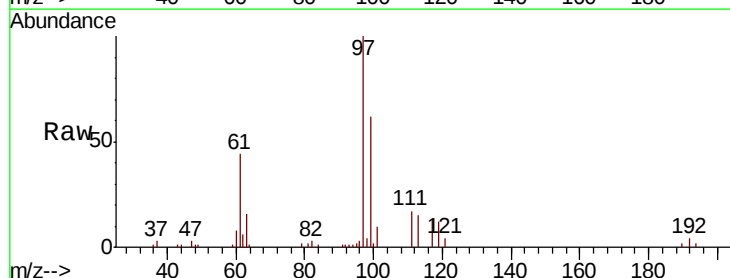


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

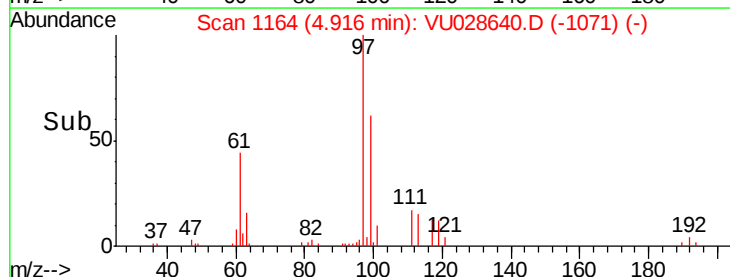
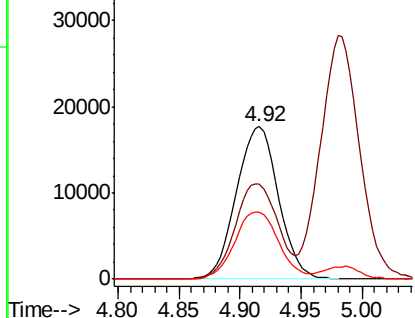


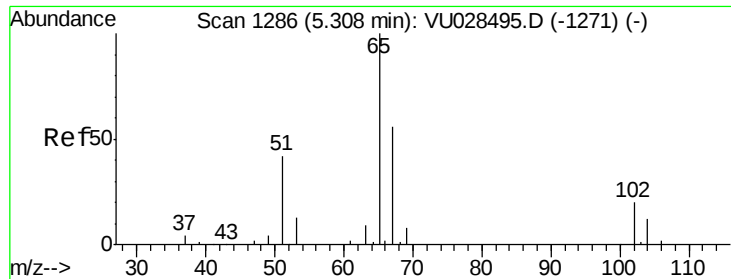
#32
1,1,1-Trichloroethane
Concen: 19.571 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.3	78.5
61	46.4	39.0	58.6



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





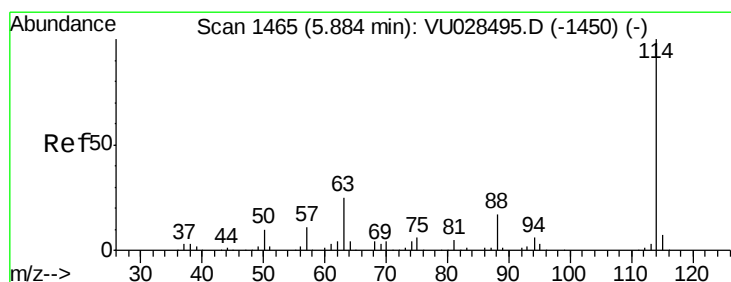
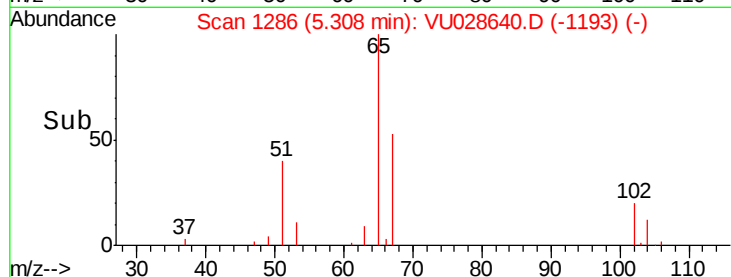
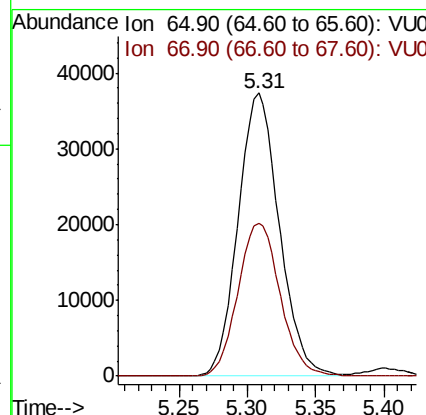
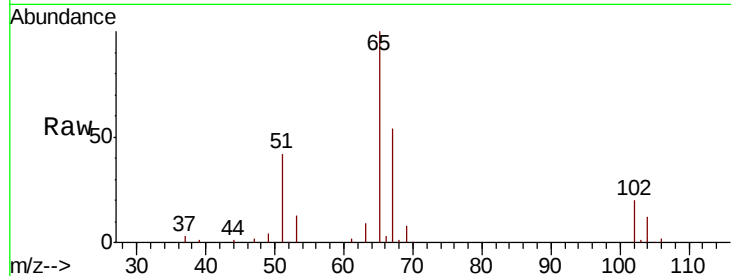
#33
 1,2-Dichloroethane-d4
 Concen: 46.184 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	110.6

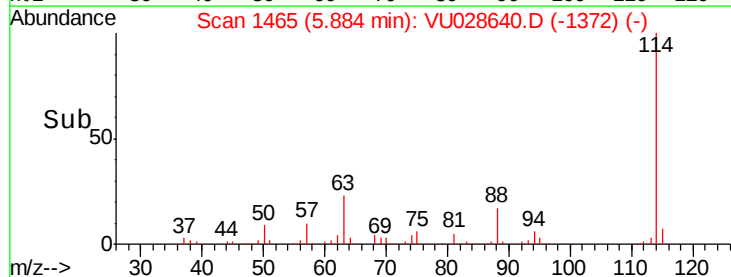
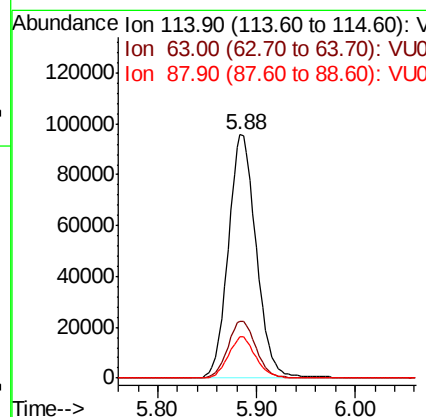
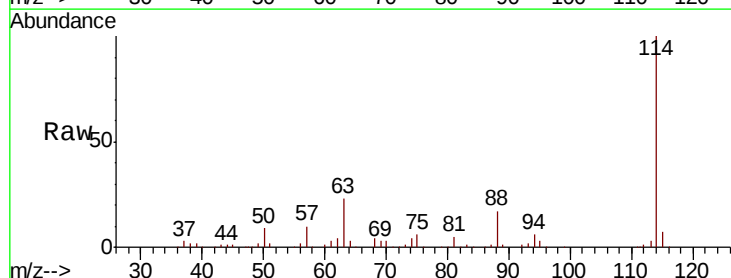
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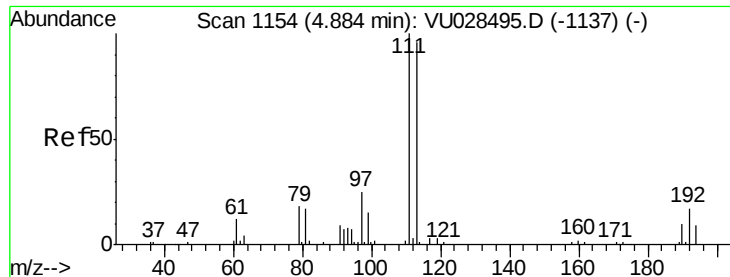
MMDadoda
 12/13/2018 9:29:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	49.2
88	16.7	0.0	33.4





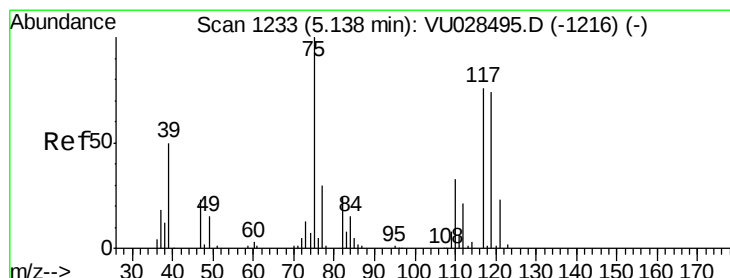
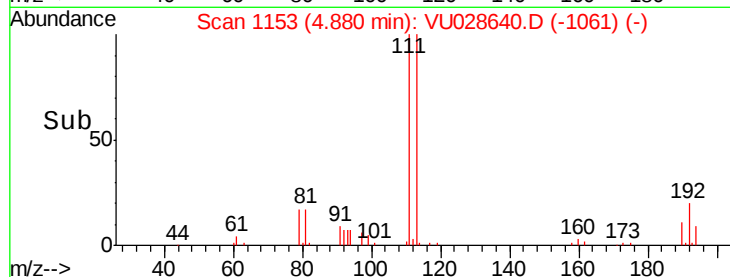
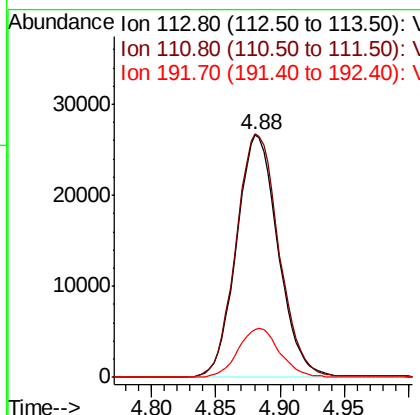
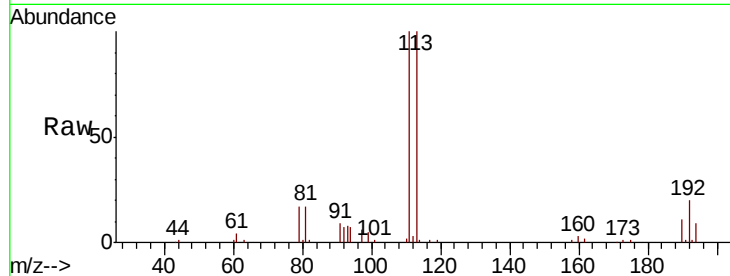
#35
 Dibromofluoromethane
 Concen: 50.070 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.4	125.0
192	20.1	14.8	22.2

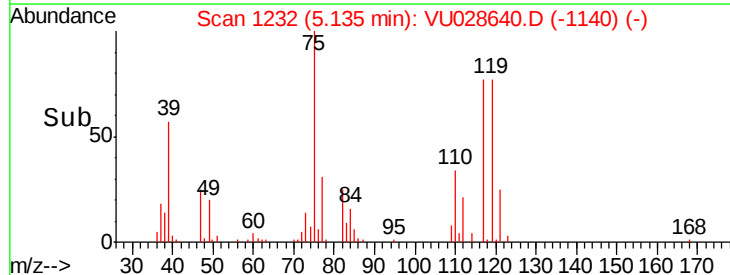
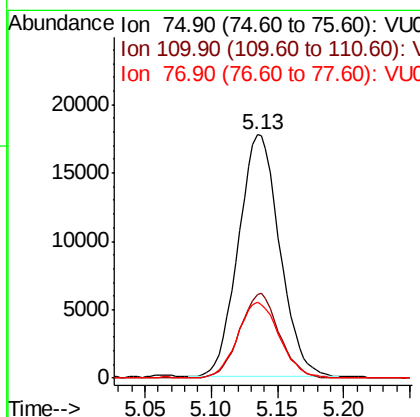
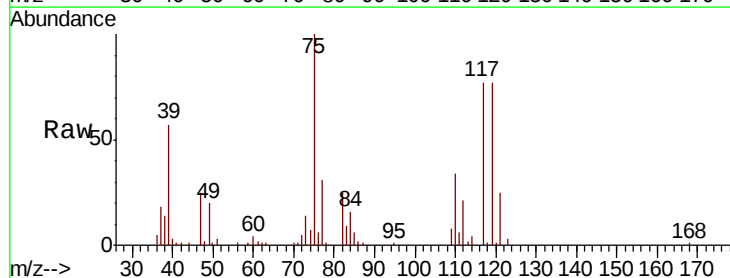
Manual Integrations
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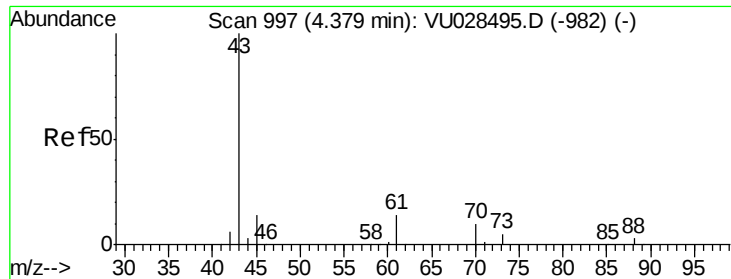
MMDadoda
 12/13/2018 9:29:32 AM



#36
 1,1-Dichloropropene
 Concen: 18.481 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.1	48.2
77	31.8	24.5	36.7





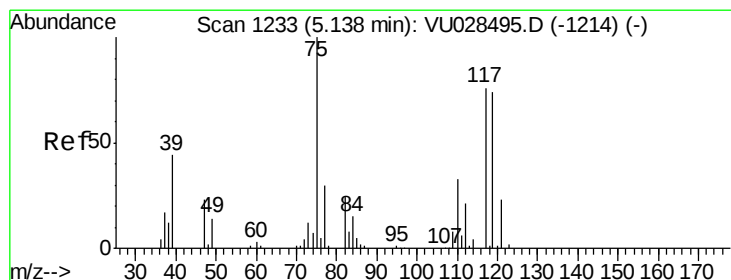
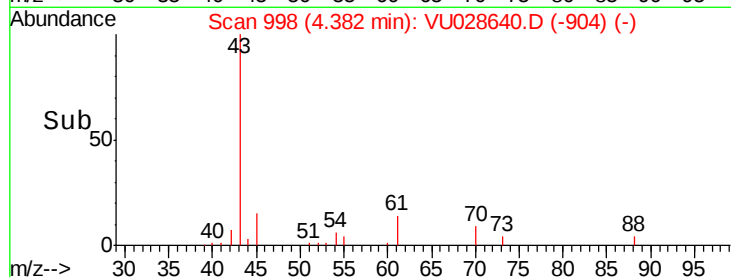
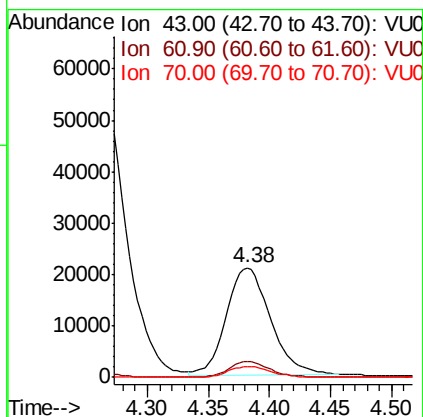
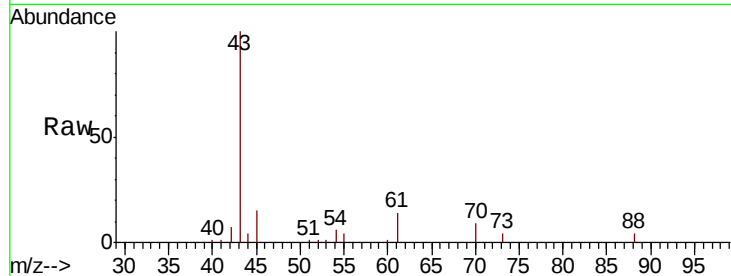
#37
Ethyl Acetate
Concen: 19.556 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.4
70	9.7	7.4	11.0

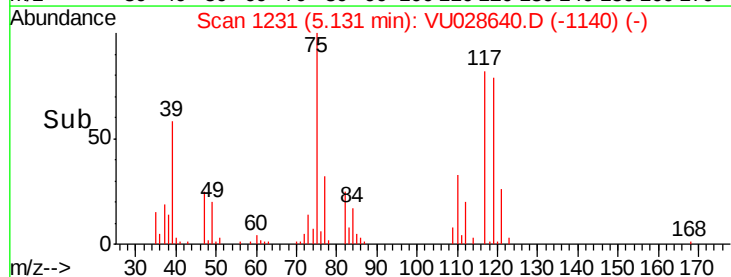
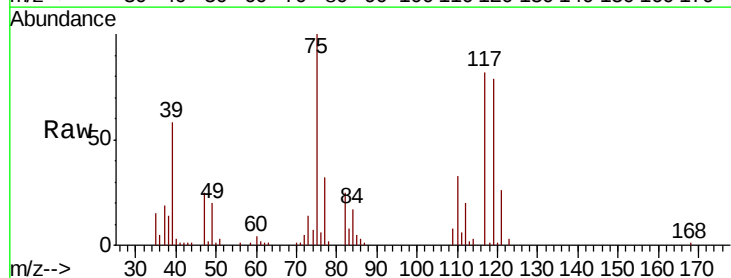
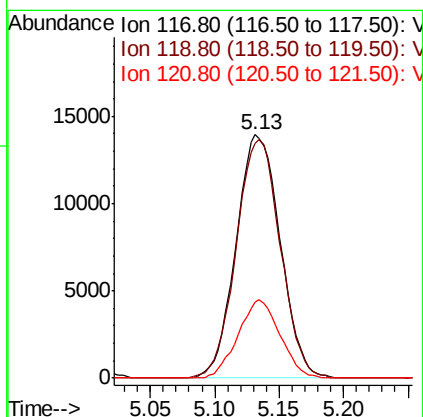
Manual Integrations
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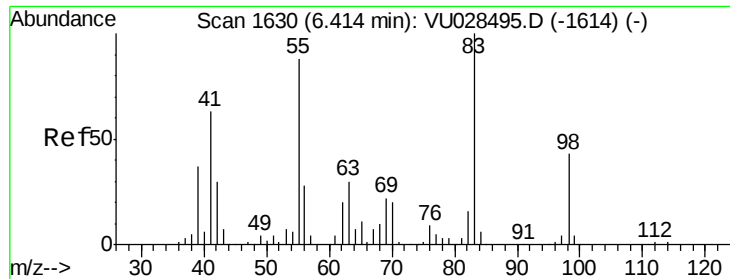
MMDadoda
12/13/2018 9:29:32 AM



#38
Carbon Tetrachloride
Concen: 19.855 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.6	116.4
121	31.2	24.6	36.8





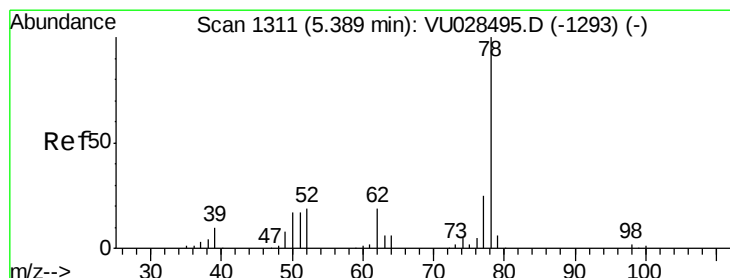
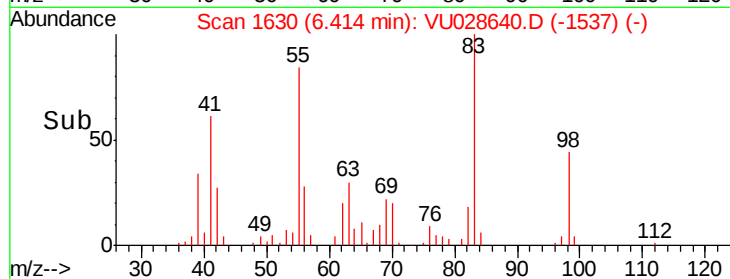
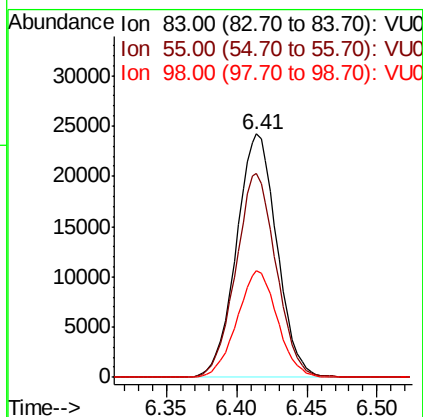
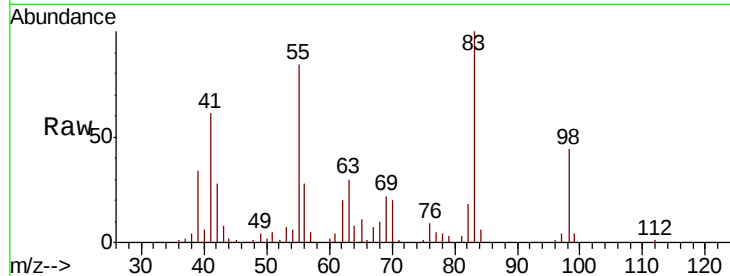
#39
Methvlcvclohexane
Concen: 19.144 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.9	70.2	105.2
98	43.8	34.2	51.4

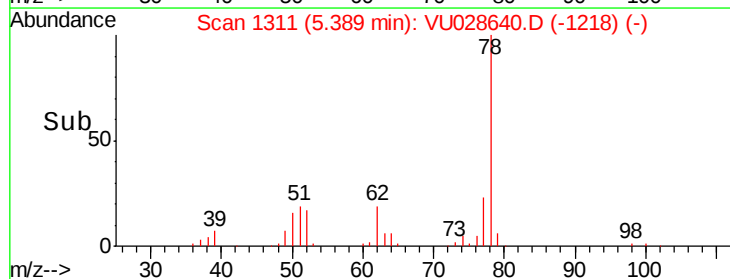
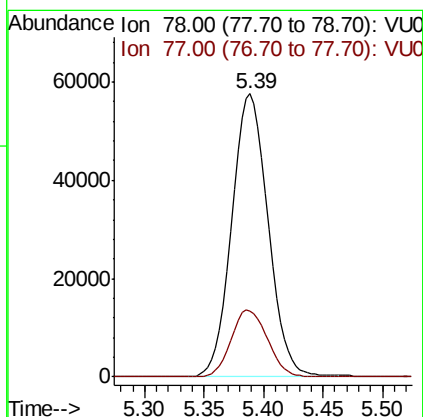
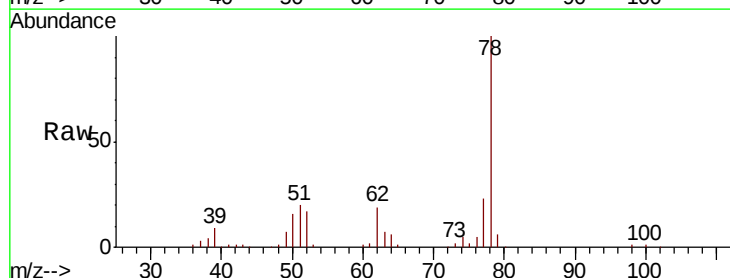
Manual Integrations
APPROVED

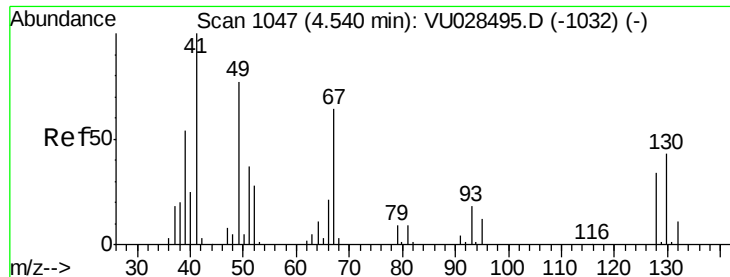
MMDadoda
12/13/2018 9:29:32 AM



#40
Benzene
Concen: 19.935 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.9	29.9





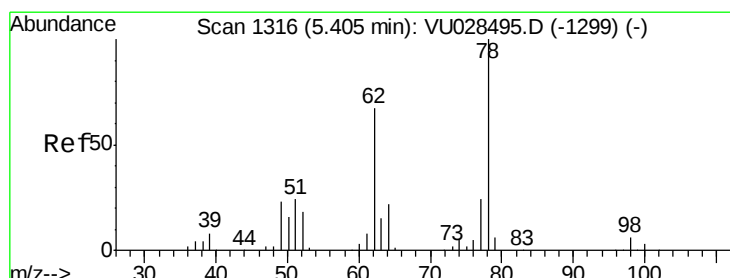
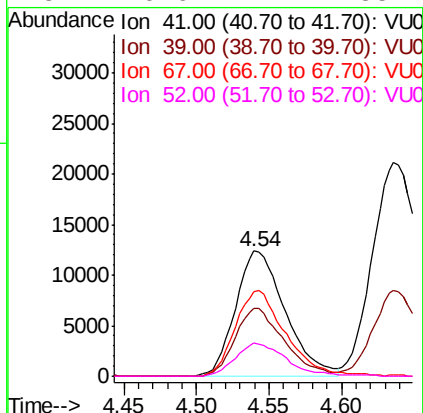
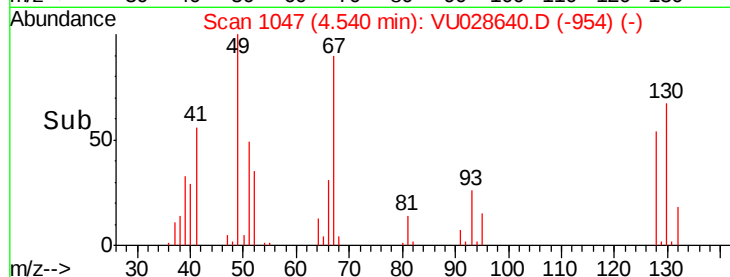
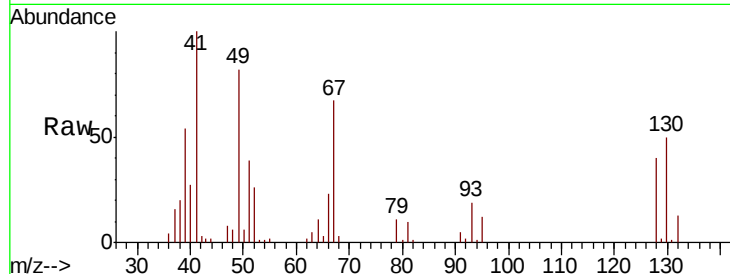
#41
Methacrylonitrile
Concen: 20.090 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		29543		
39	53.1	43.3	64.9		
67	69.1	53.6	80.4		
52	26.6	22.1	33.1		

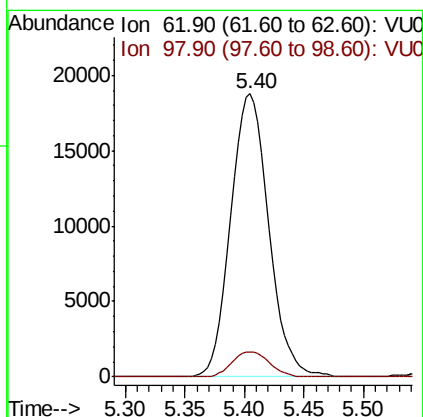
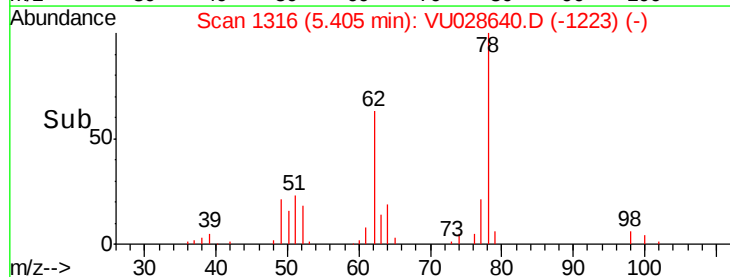
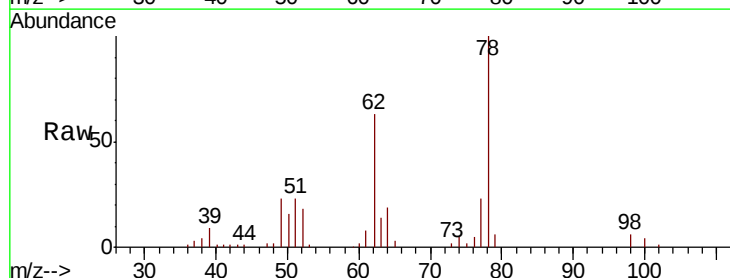
Manual Integrations
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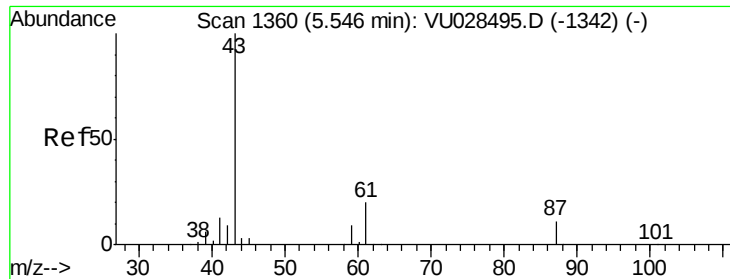
MMDadoda
12/13/2018 9:29:32 AM



#42
1,2-Dichloroethane
Concen: 19.427 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		41602		
98	8.7	0.0	17.2		





#43

Isopropyl Acetate

Concen: 19.927 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Instrument :

MSVOA_U

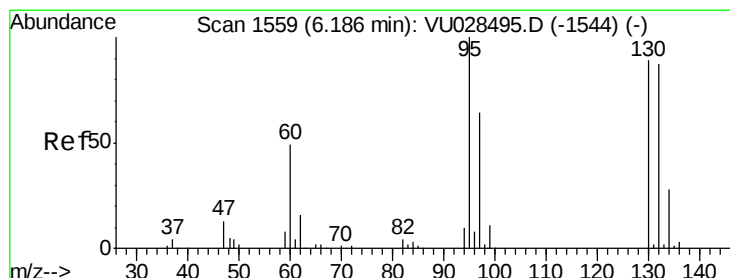
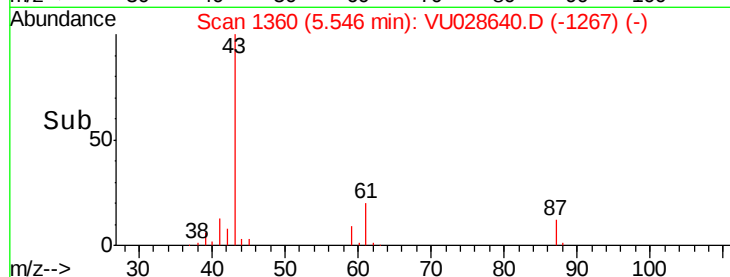
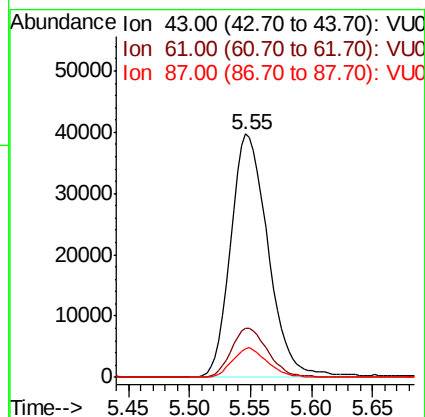
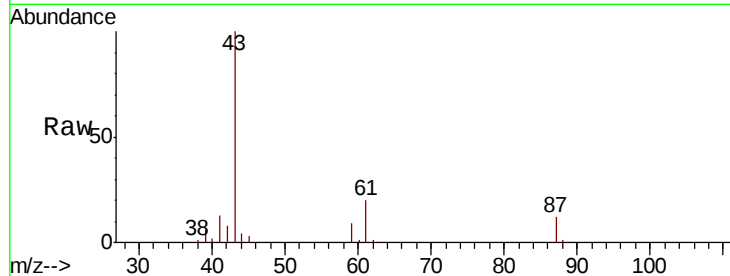
ClientSampleId :

VU1213WBS02

Tot Ion:	43	Resp:	84631
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.5	23.3
87	11.3	8.7	13.1

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12/13/2018 9:29:32 AM



#44

Trichloroethene

Concen: 19.905 ug/l

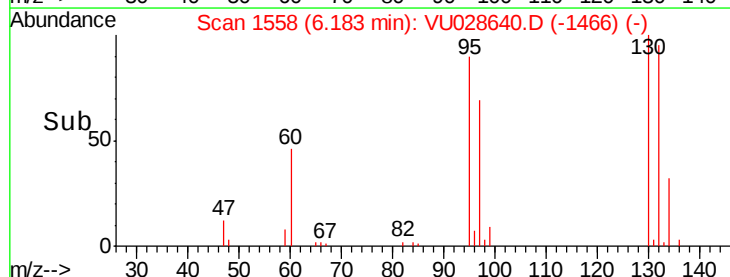
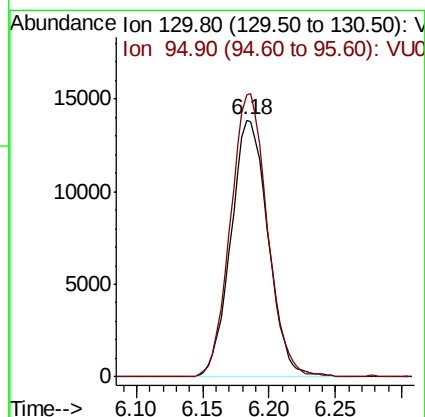
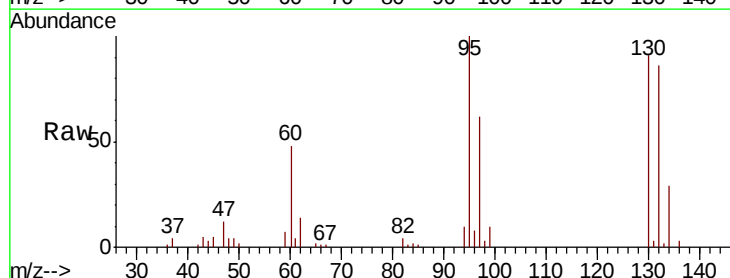
RT: 6.18 min Scan# 1558

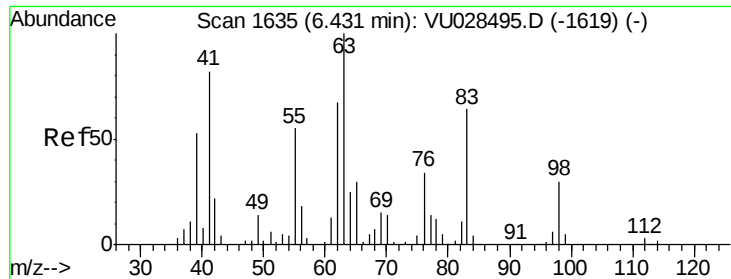
Delta R.T. -0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Tgt Ion:	130	Resp:	27076
Ion	Ratio	Lower	Upper
130	100		
95	110.0	0.0	224.0





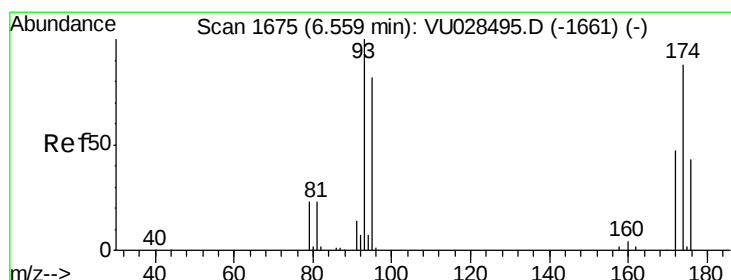
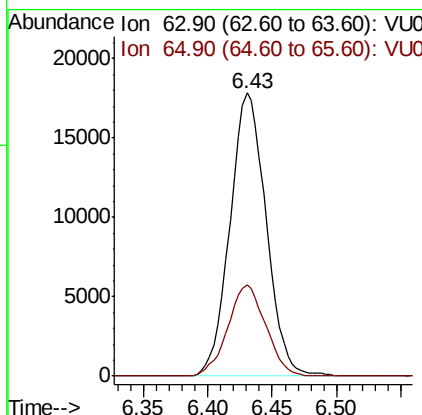
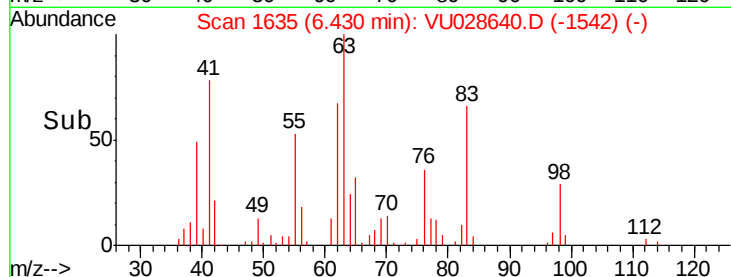
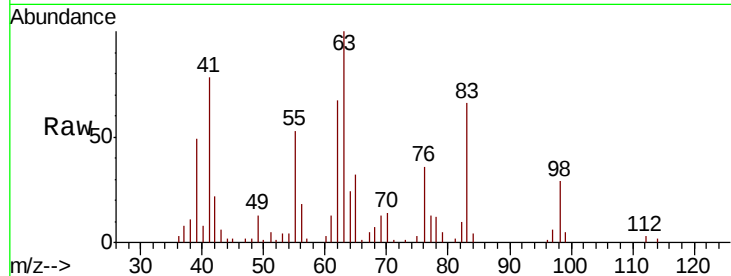
#45
 1,2-Dichloropropane
 Concen: 20.183 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS02

Tot Ion: 63 Resp: 34722
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.2 36.4

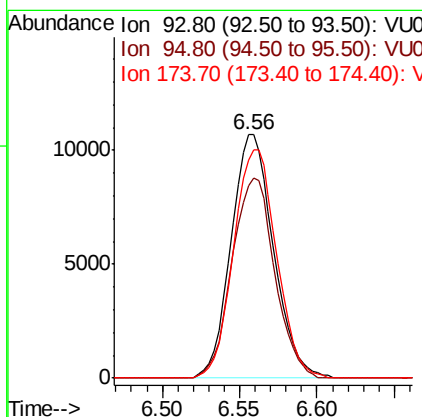
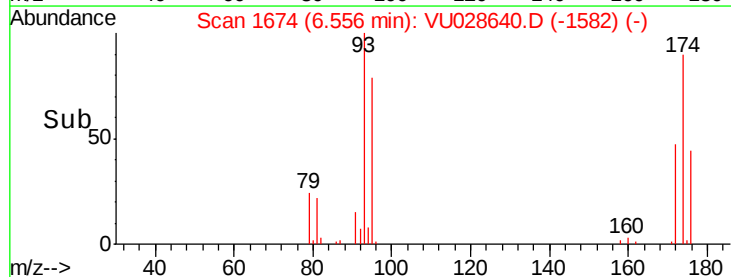
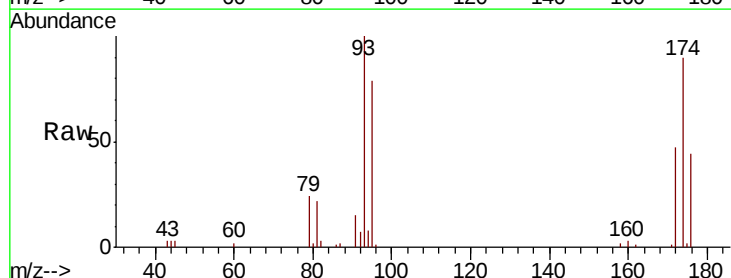
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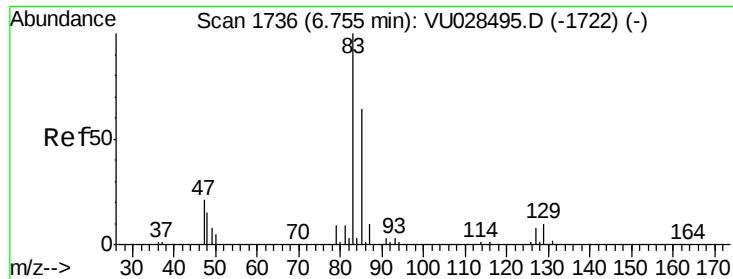
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 12/13/2018 9:29:32 AM



#46
 Dibromomethane
 Concen: 19.906 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Tgt Ion: 93 Resp: 20319
 Ion Ratio Lower Upper
 93 100
 95 82.7 65.4 98.2
 174 95.1 72.2 108.4





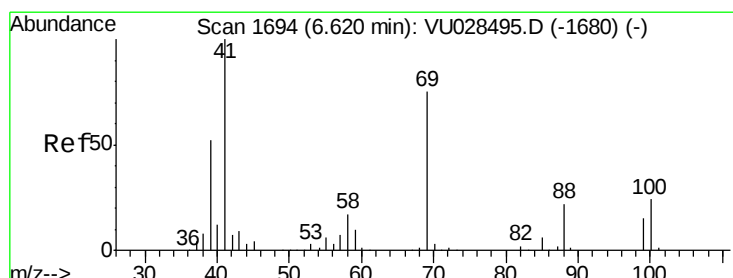
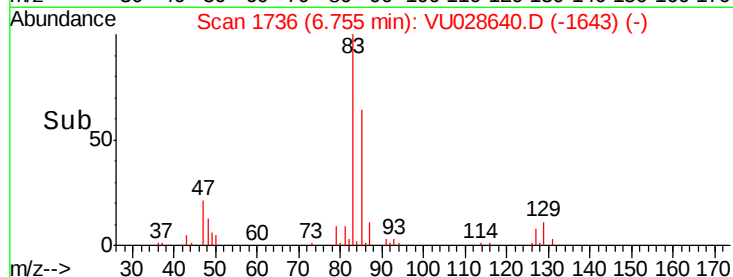
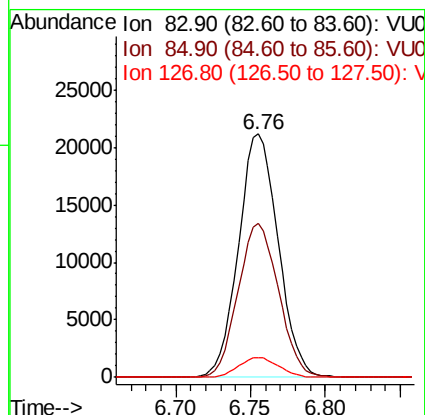
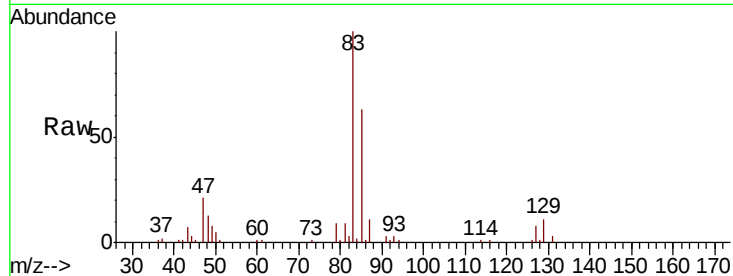
#47
Bromodichloromethane
Concen: 19.691 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.5	77.3
127	8.3	6.2	9.4

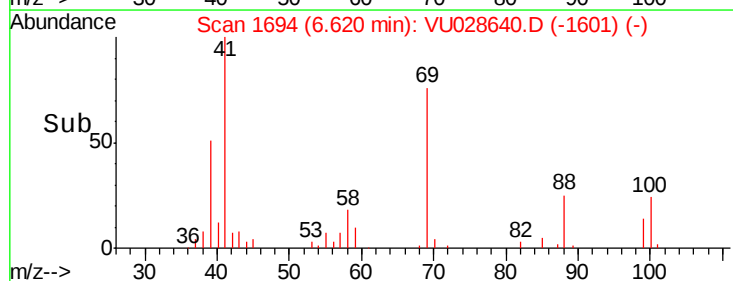
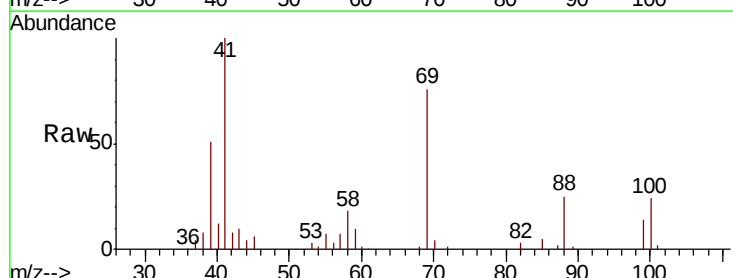
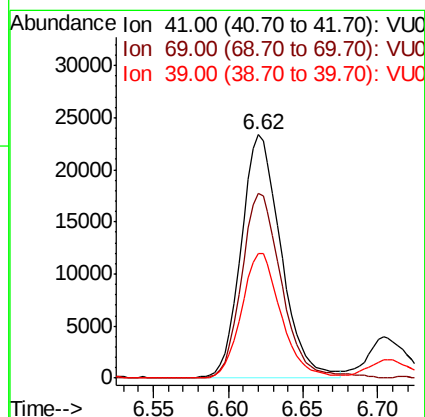
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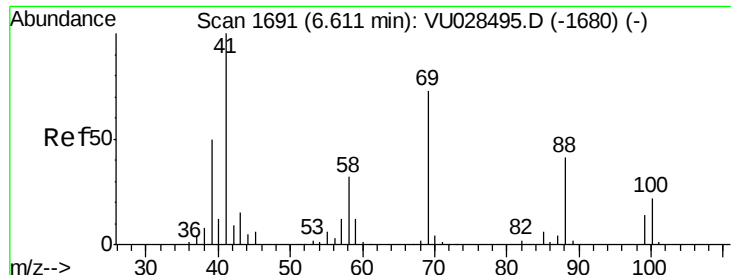
MMDadoda
12/13/2018 9:29:32 AM



#48
Methyl methacrylate
Concen: 20.502 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.1	60.4	90.6
39	50.9	41.1	61.7





#49

1,4-Dioxane

Concen: 389.358 ug/l

RT: 6.61 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Instrument :

MSVOA_U

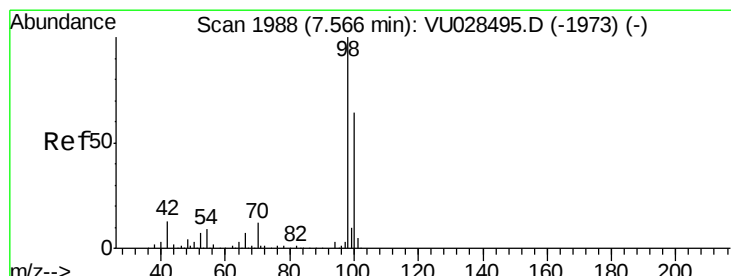
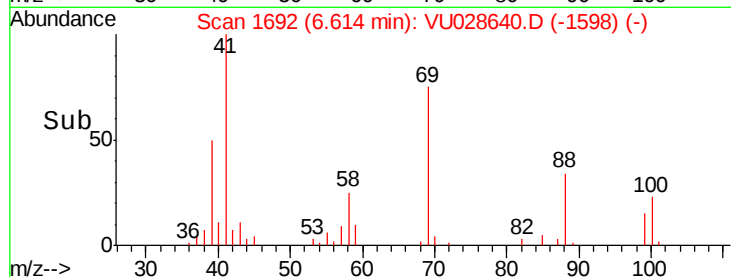
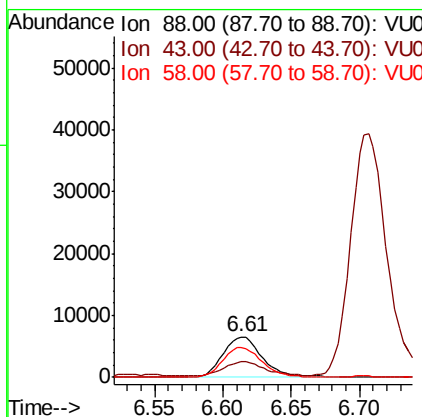
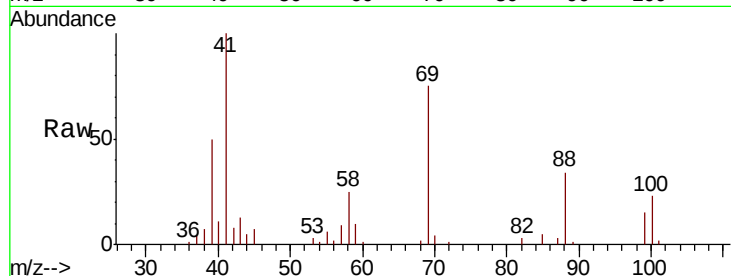
ClientSampleId :

VU1213WBS02

Tot Ion:	88	Resp:	12985
Ion Ratio	Lower	Upper	
88	100		
43	36.9	30.9	46.3
58	73.8	62.4	93.6

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#50

Toluene-d8

Concen: 49.537 ug/l

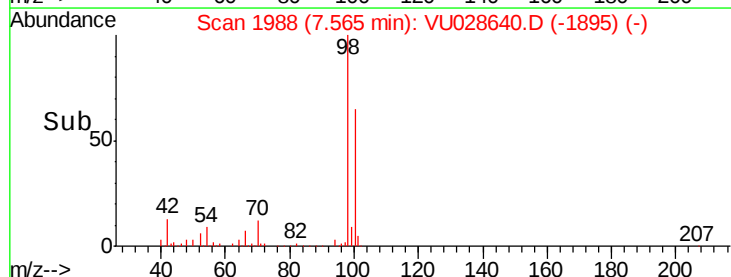
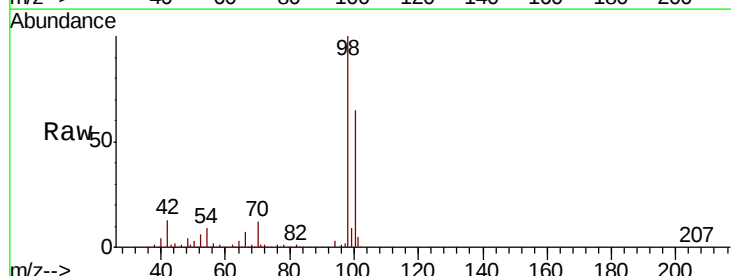
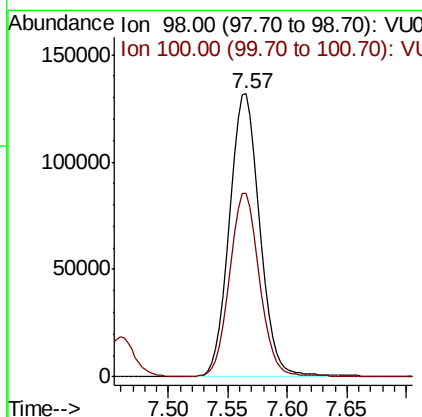
RT: 7.57 min Scan# 1988

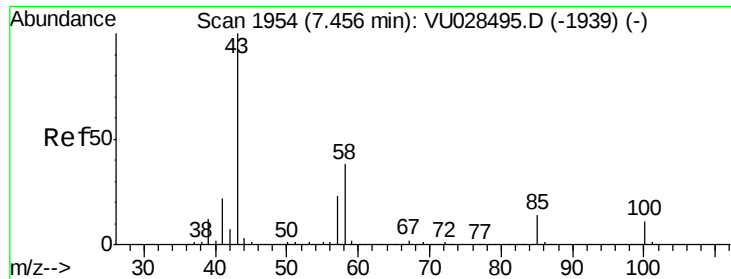
Delta R.T. -0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Tgt Ion:	98	Resp:	234084
Ion Ratio	Lower	Upper	
98	100		
100	63.3	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 100.088 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBS02

Tot Ion: 43 Resp: 268108

Ion Ratio Lower Upper

43 100

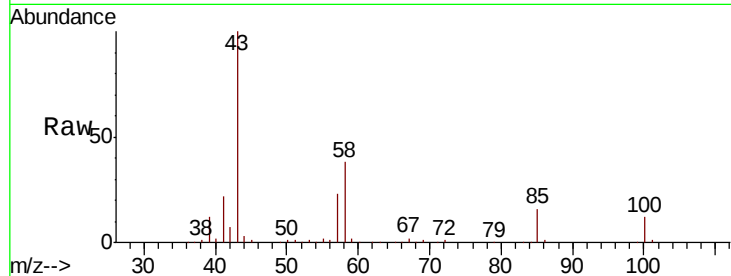
58 38.5 30.2 45.2

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

150000

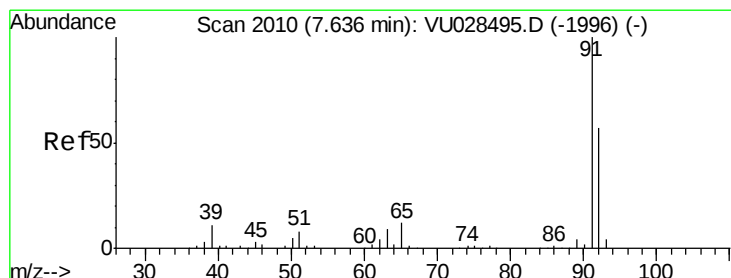
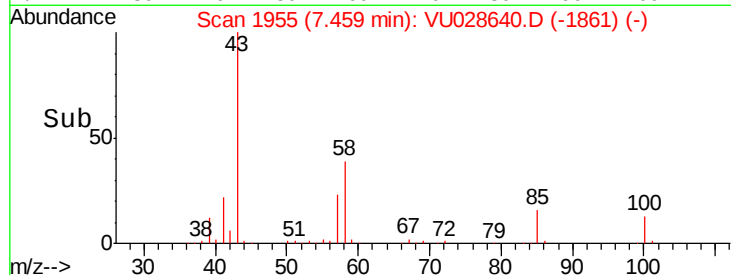
100000

50000

0

7.40 7.50

Time-->



#52

Toluene

Concen: 19.986 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028640.D

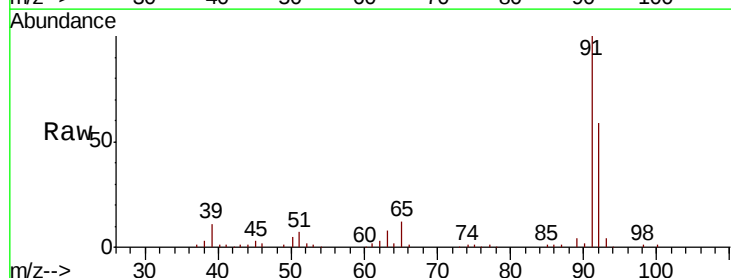
Acq: 12 Dec 2018 10:20

Tgt Ion: 92 Resp: 71958

Ion Ratio Lower Upper

92 100

91 174.4 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

80000

60000

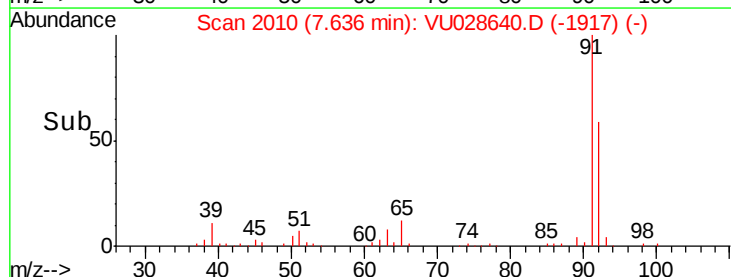
40000

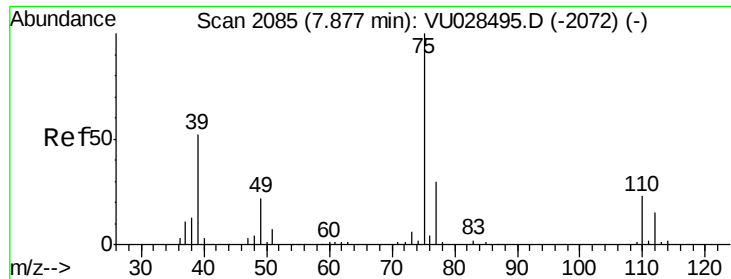
20000

0

7.55 7.60 7.65 7.70 7.75

Time-->





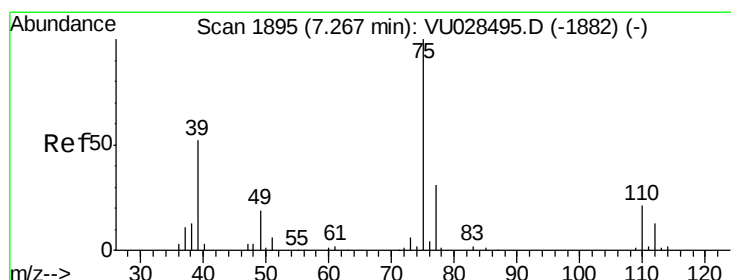
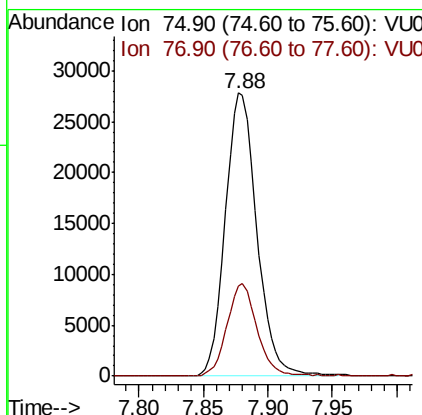
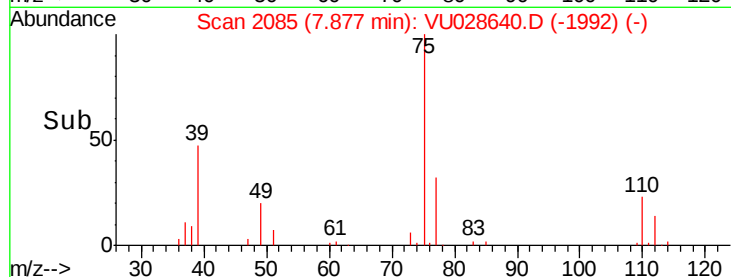
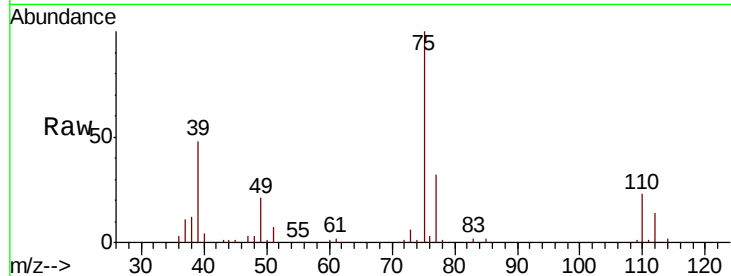
#53
t-1,3-Dichloropropene
Concen: 19.996 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS02

Tot Ion: 75 Resp: 47304
Ion Ratio Lower Upper
75 100
77 31.9 24.2 36.4

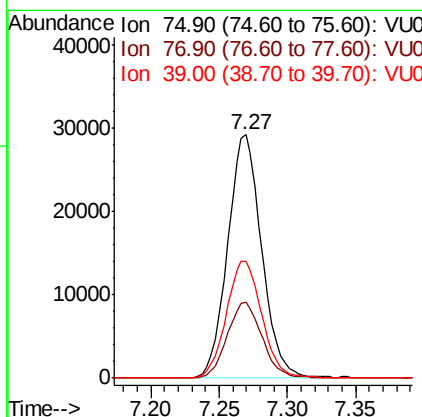
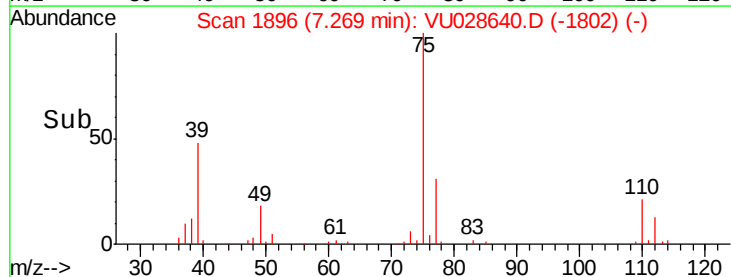
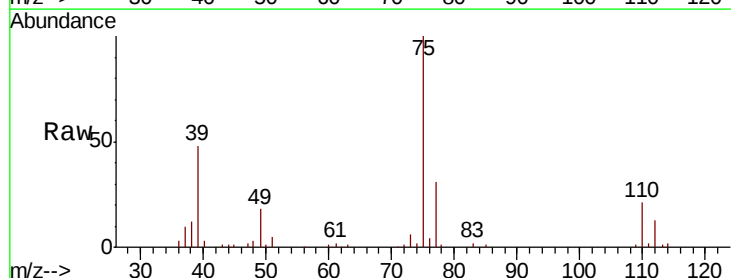
Manual Integrations
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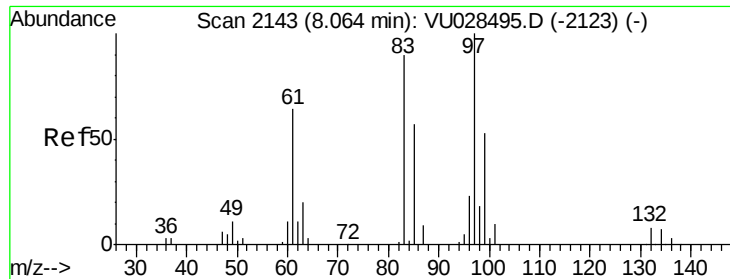
MMDadoda
12/13/2018 9:29:32 AM



#54
cis-1,3-Dichloropropene
Concen: 19.644 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Tgt Ion: 75 Resp: 50417
Ion Ratio Lower Upper
75 100
77 31.0 25.0 37.4
39 47.8 41.3 61.9





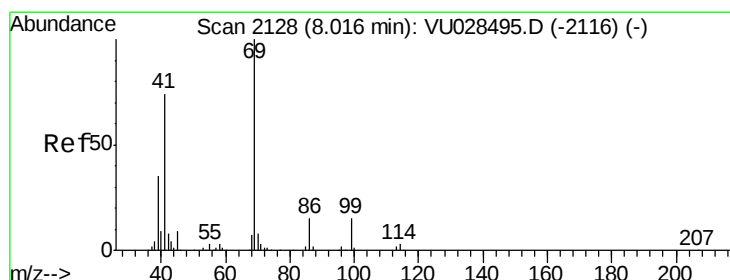
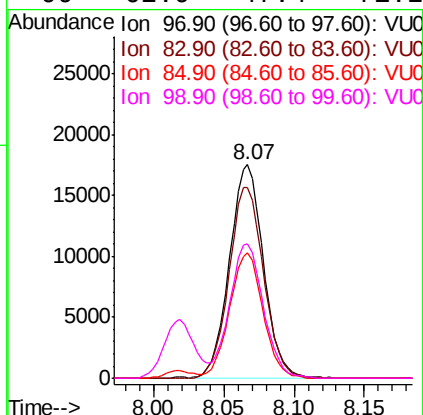
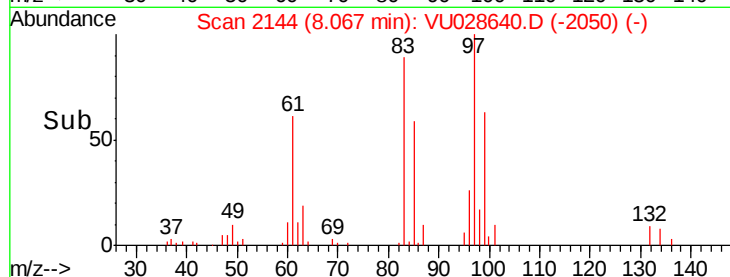
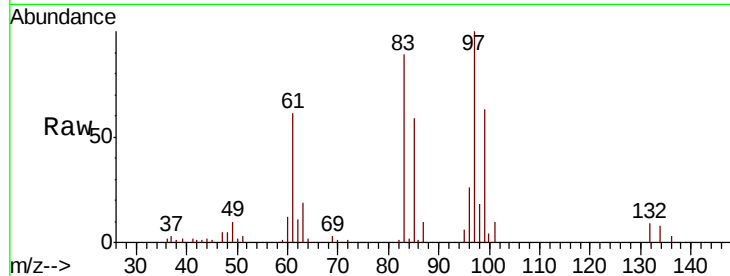
#55
 1,1,2-Trichloroethane
 Concen: 20.819 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS02

Tot Ion:	97	Resp:	29630
Ion Ratio	Lower	Upper	
97	100		
83	89.3	72.4	108.6
85	58.9	46.0	69.0
99	62.9	47.4	71.2

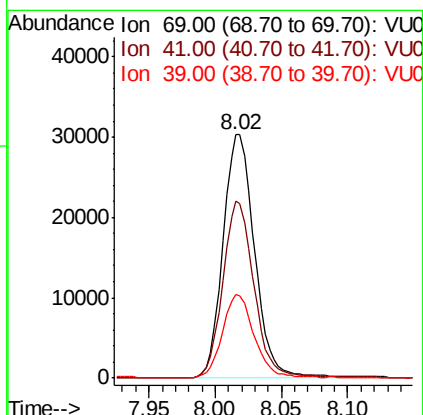
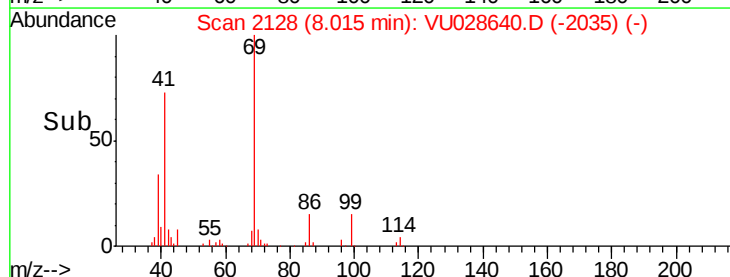
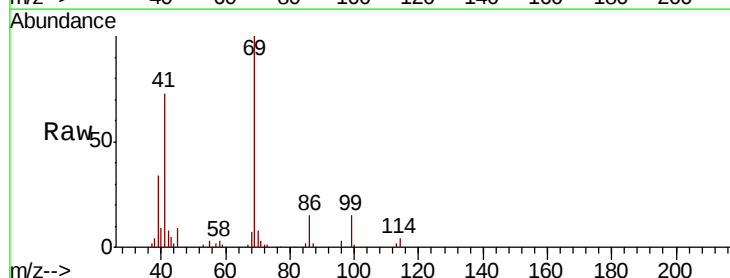
Manual Integrations
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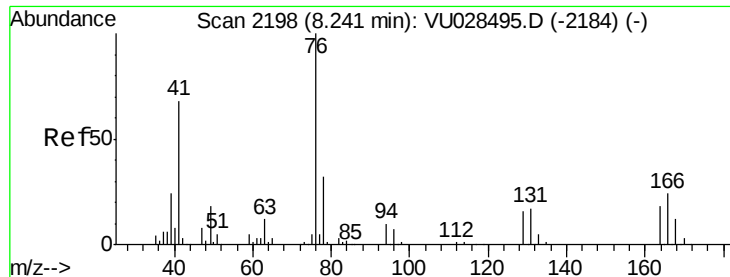
MMDadoda
 12/13/2018 9:29:32 AM



#56
 Ethyl methacrylate
 Concen: 20.611 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Tgt Ion:	69	Resp:	50232
Ion Ratio	Lower	Upper	
69	100		
41	71.6	59.1	88.7
39	34.8	28.4	42.6





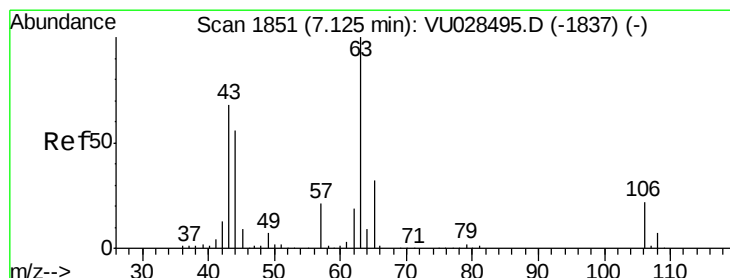
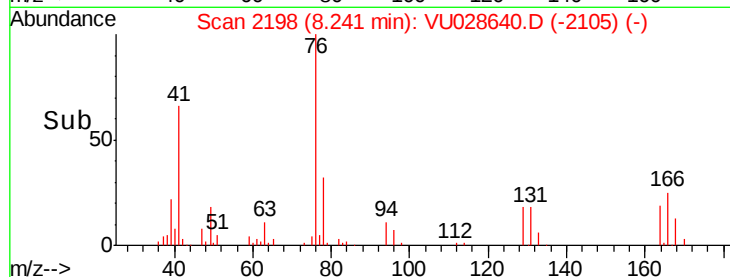
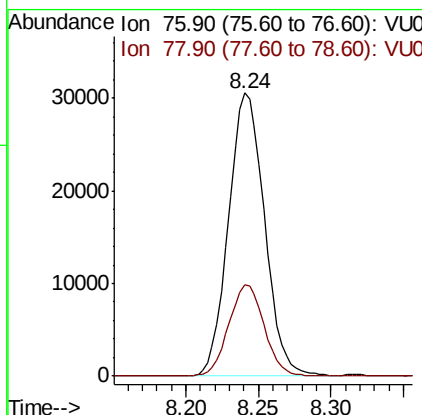
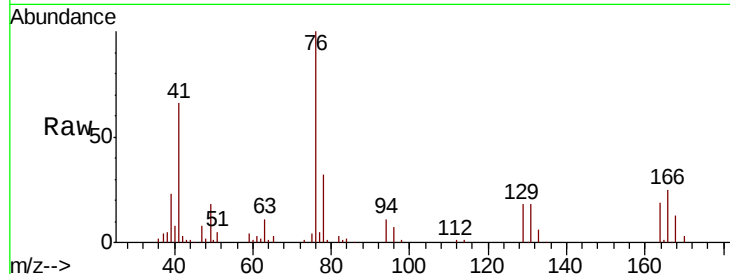
#57
 1,3-Dichloropropane
 Concen: 19.921 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS02

Tot Ion: 76 Resp: 52630
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.2 37.8

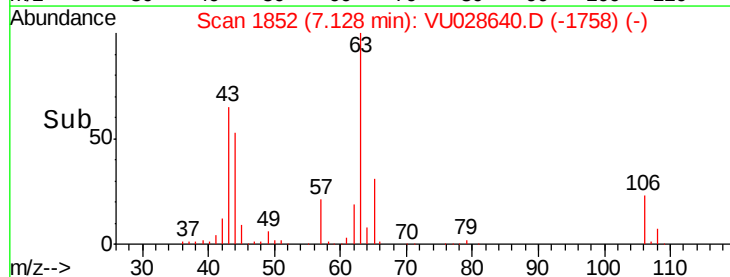
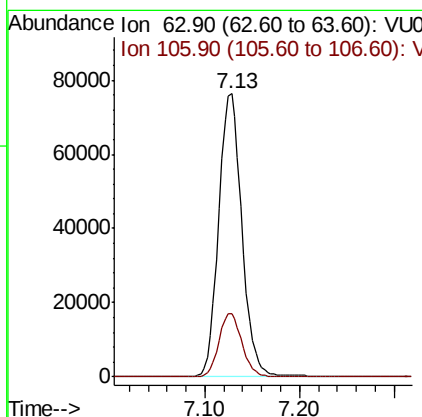
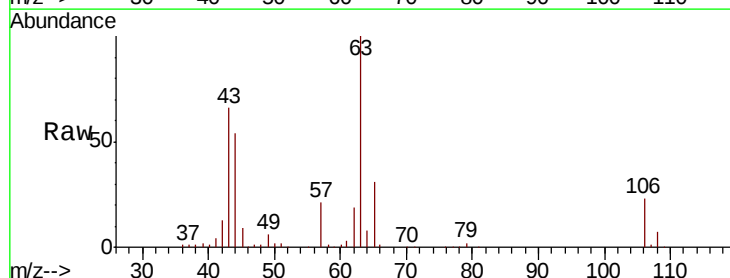
Manual Integrations
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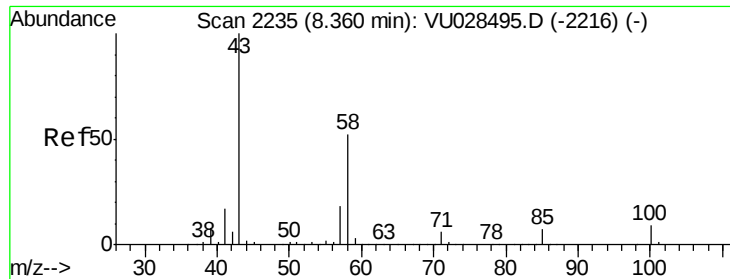
MMDadoda
 12/13/2018 9:29:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.579 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Tgt Ion: 63 Resp: 130550
 Ion Ratio Lower Upper
 63 100
 106 22.3 17.8 26.6





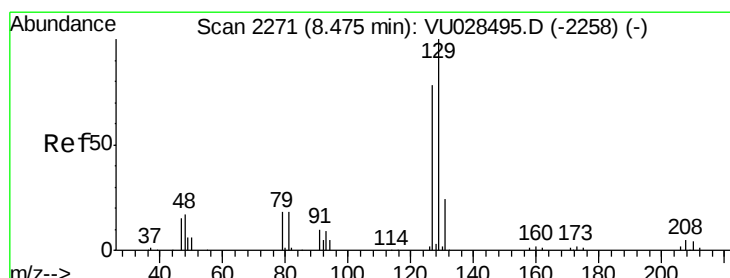
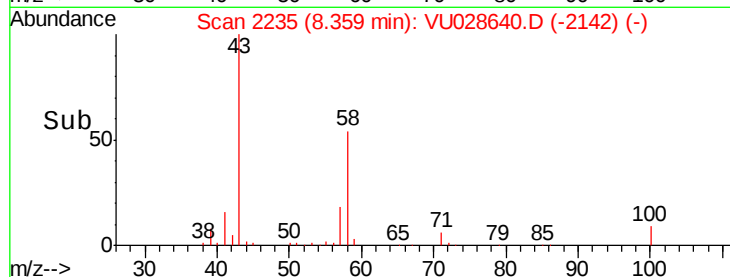
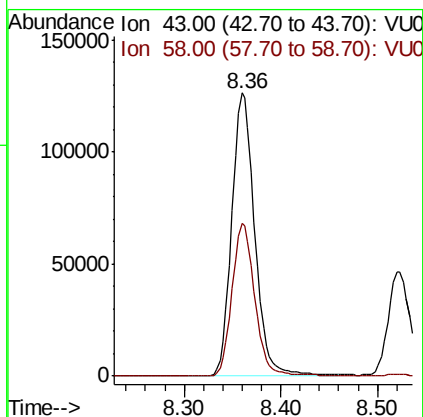
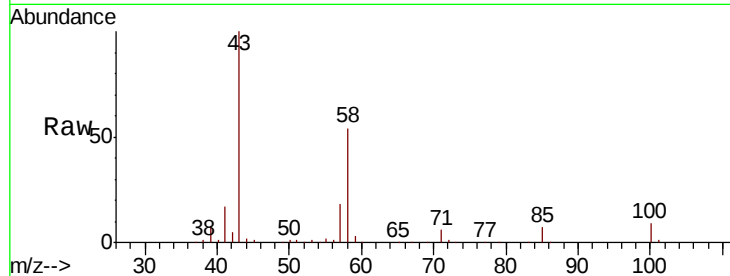
#59
2-Hexanone
Concen: 97.965 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS02

Tot Ion: 43 Resp: 207997
Ion Ratio Lower Upper
43 100
58 53.8 25.9 77.6

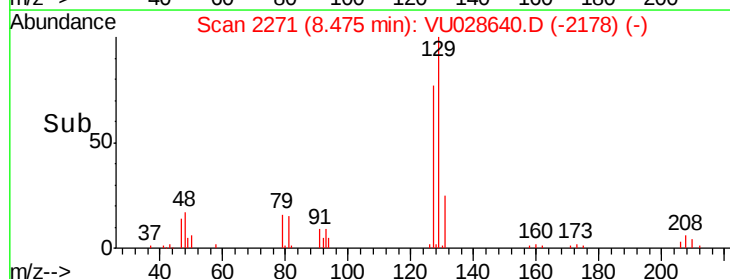
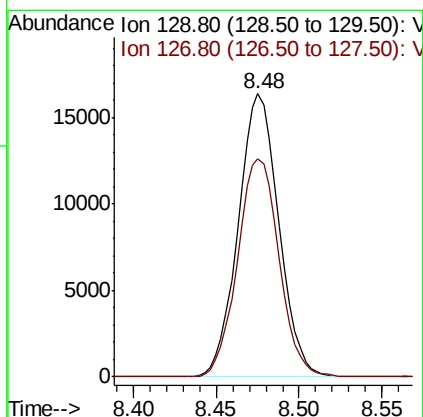
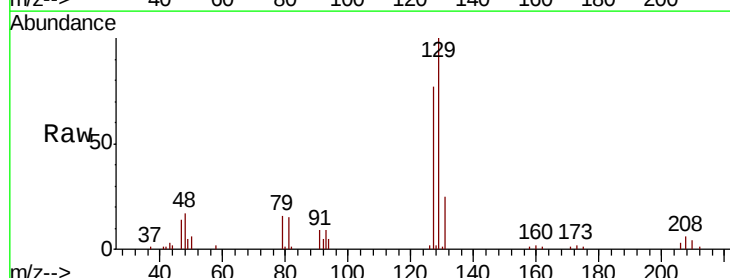
Manual Integrations
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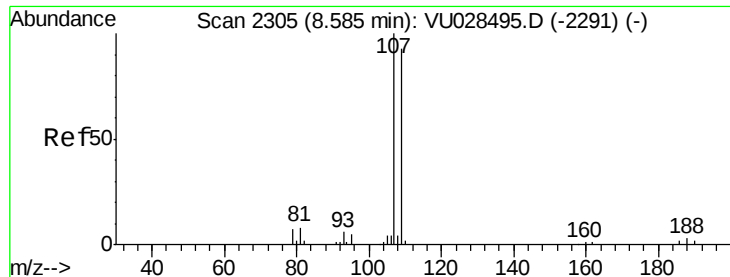
MMDadoda
12/13/2018 9:29:32 AM



#60
Dibromochloromethane
Concen: 20.038 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Tgt Ion: 129 Resp: 27922
Ion Ratio Lower Upper
129 100
127 78.8 39.1 117.3





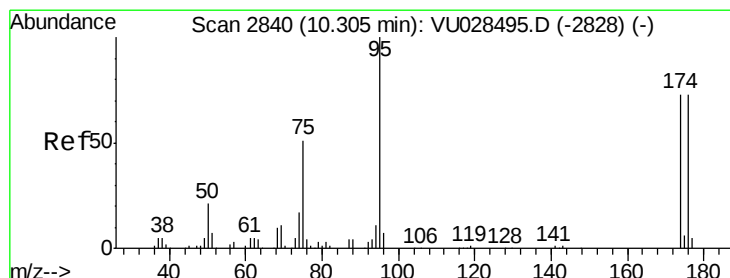
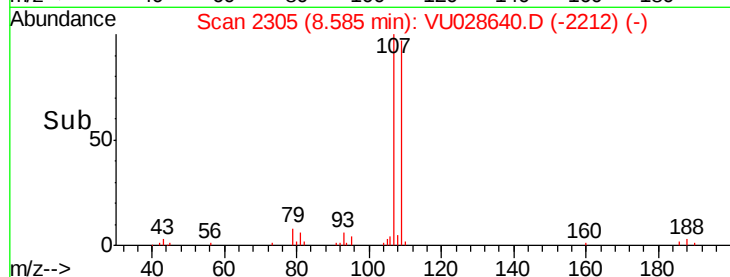
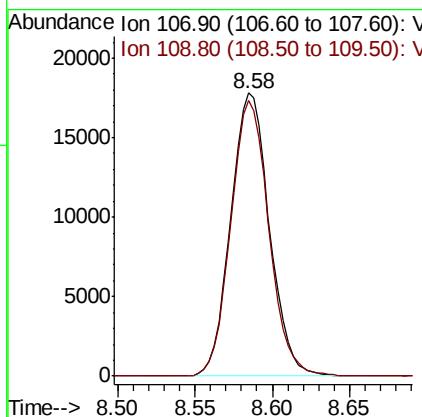
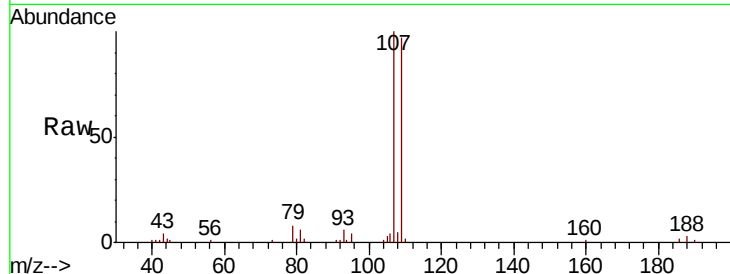
#61
 1,2-Dibromoethane
 Concen: 20.632 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	74.5	111.7

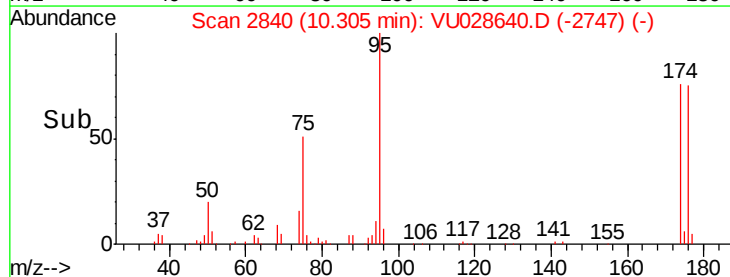
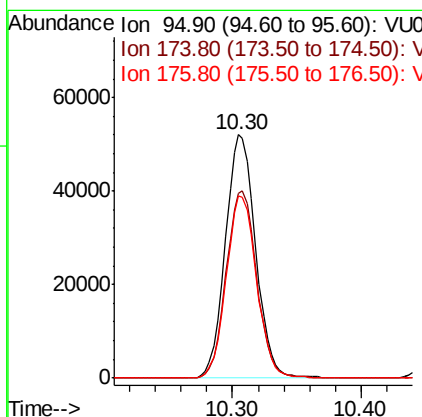
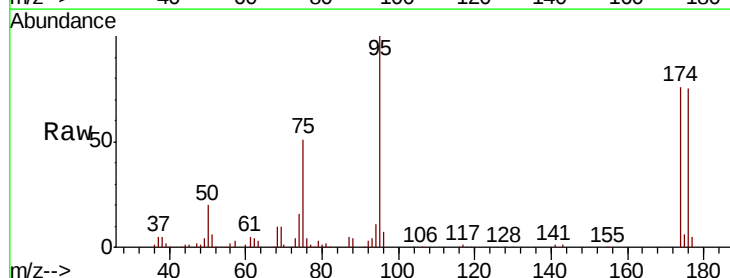
Manual Integrations
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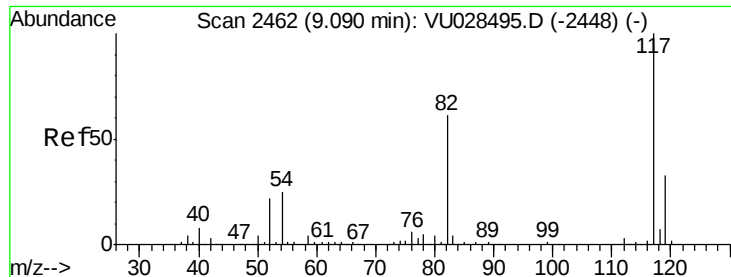
MMDadoda
 12/13/2018 9:29:32 AM



#62
 4-Bromofluorobenzene
 Concen: 47.760 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.7	0.0	150.4
176	75.3	0.0	145.2





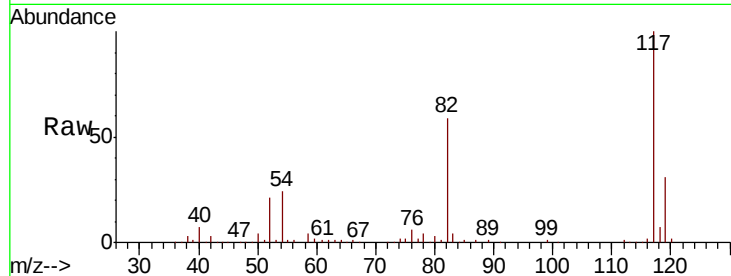
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	48.9	73.3
119	31.3	26.2	39.4

Manual Integrations
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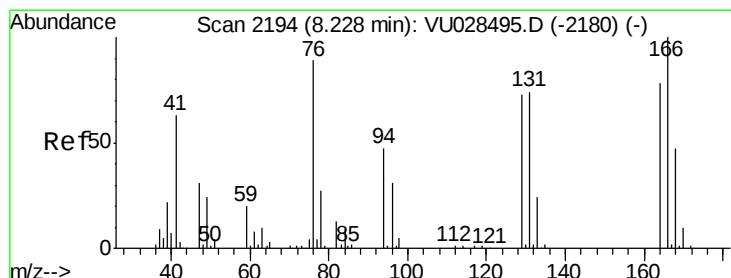
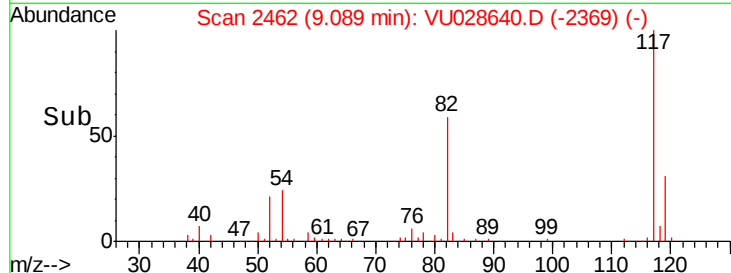
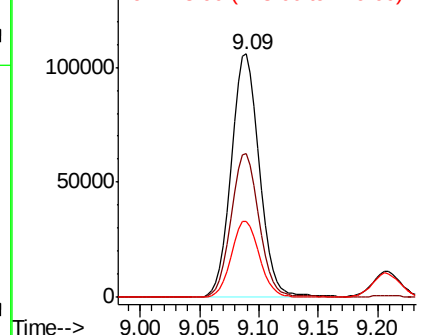


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.906 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	101.9	152.9
129	94.3	74.9	112.3
131	92.1	75.4	113.0

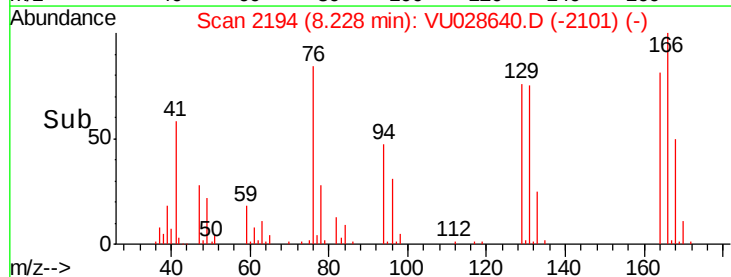
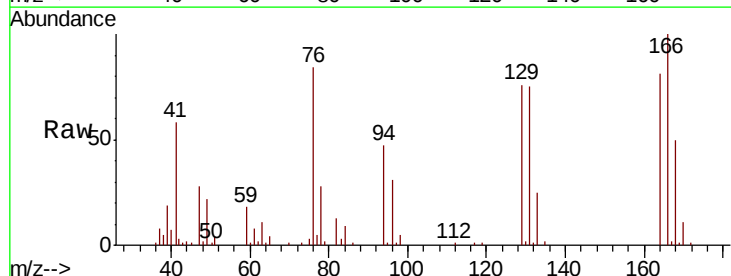
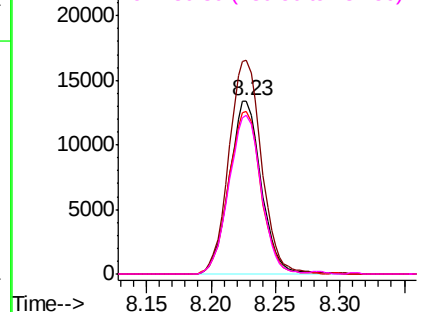
Abundance

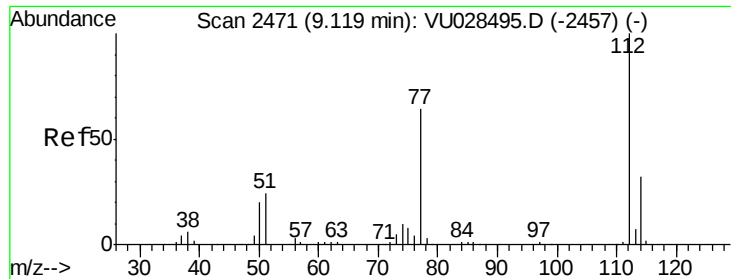
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





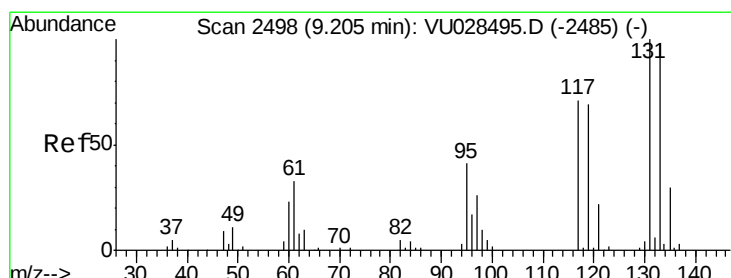
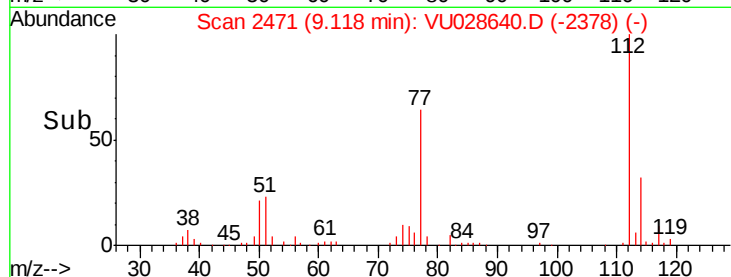
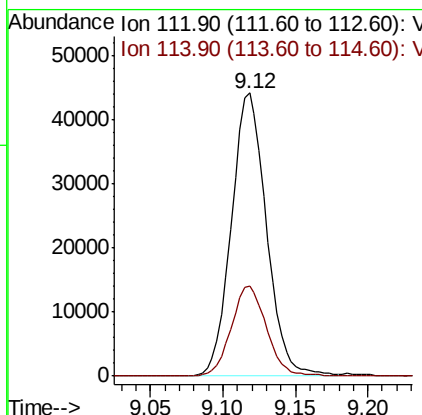
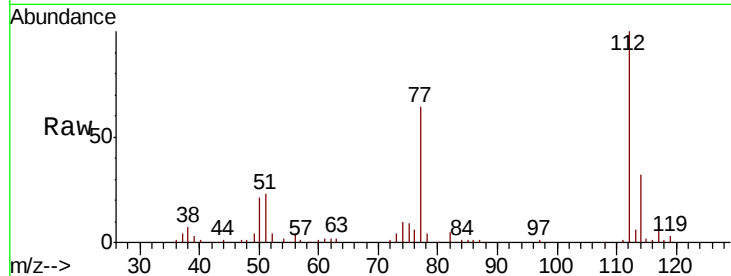
#65
Chlorobenzene
Concen: 19.990 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS02

Tot Ion:112 Resp: 74138
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9

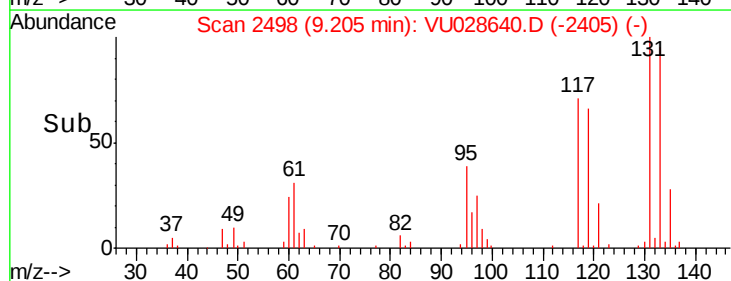
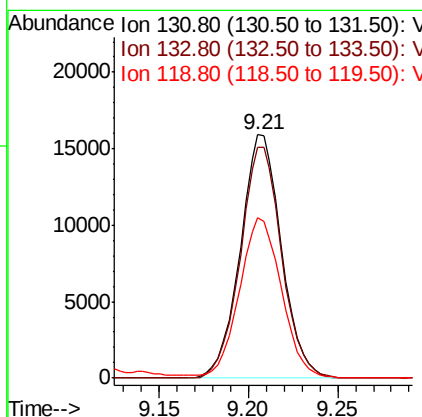
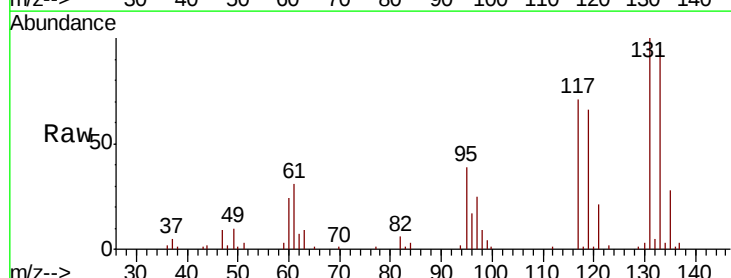
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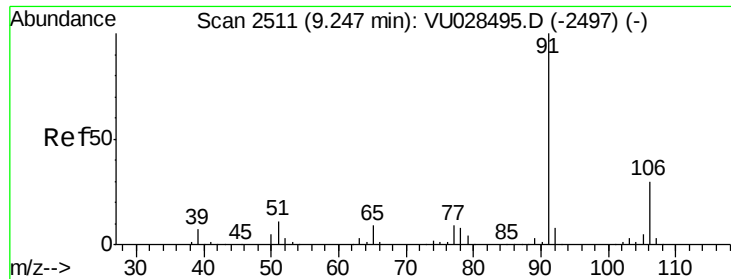
MMDadoda
12/13/2018 9:29:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.514 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Tgt Ion:131 Resp: 25479
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 67.7 34.6 103.9





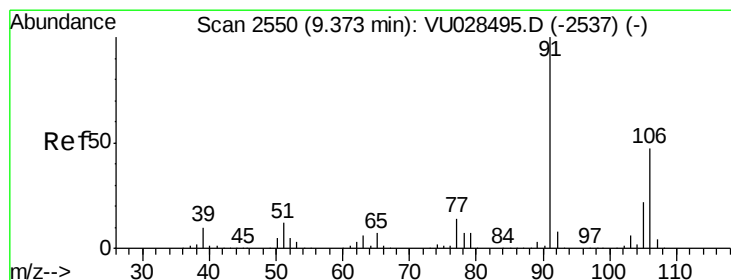
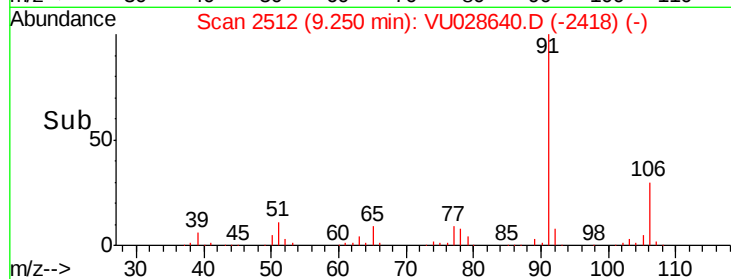
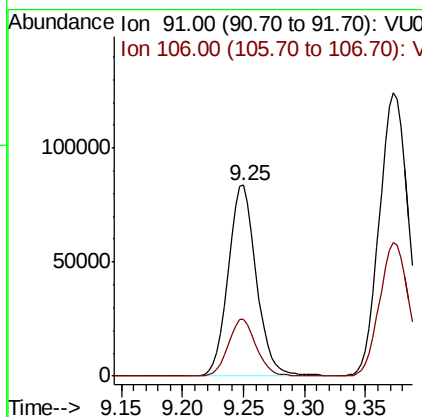
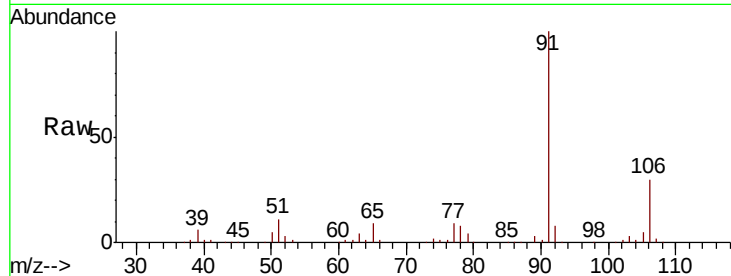
#67
Ethyl Benzene
Concen: 19.917 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS02

Tot Ion: 91 Resp: 135794
Ion Ratio Lower Upper
91 100
106 30.0 24.1 36.1

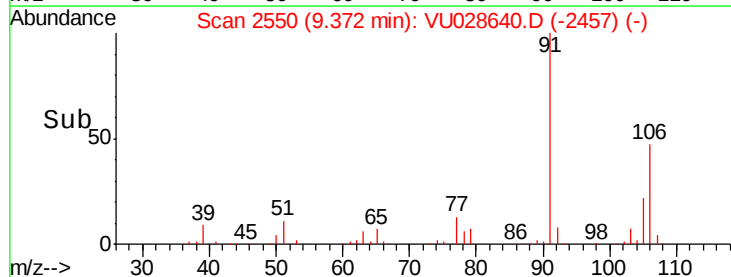
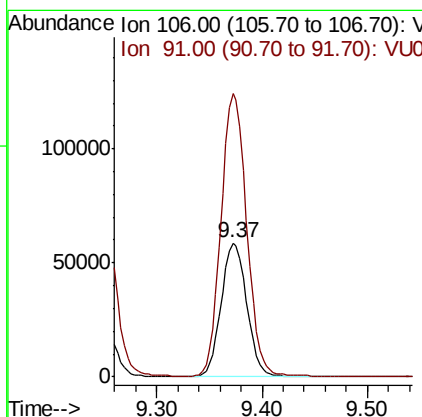
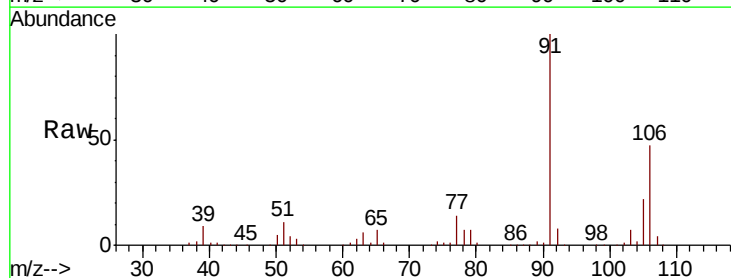
Manual Integrations
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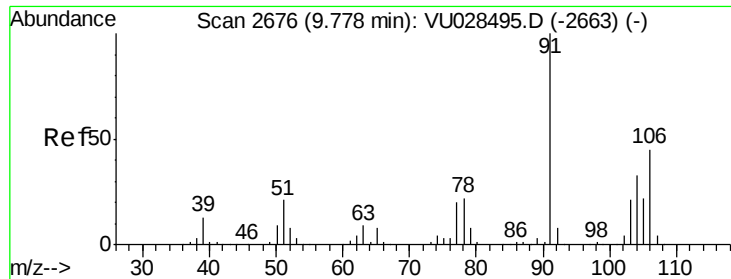
MMDadoda
12/13/2018 9:29:32 AM



#68
m/p-Xylenes
Concen: 39.907 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Tgt Ion: 106 Resp: 99004
Ion Ratio Lower Upper
106 100
91 212.5 167.4 251.0





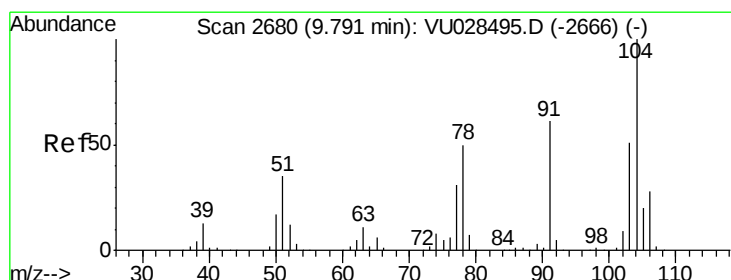
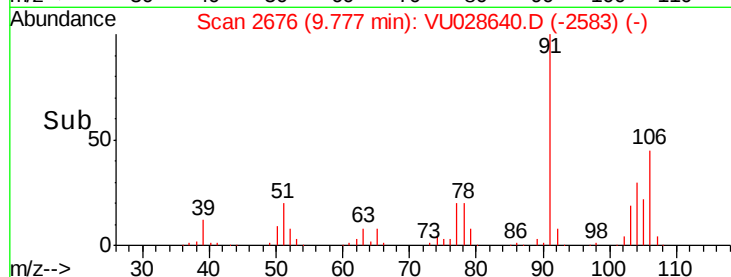
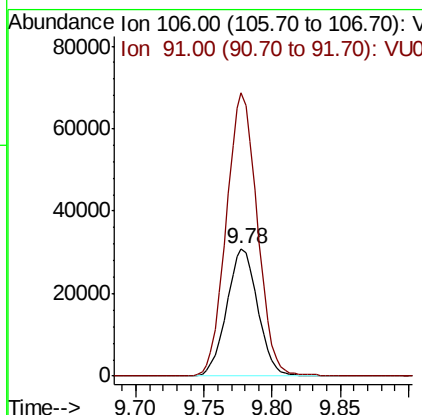
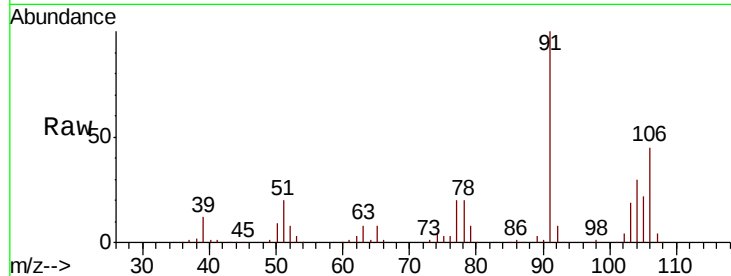
#69
o-Xylene
Concen: 20.294 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS02

Tot Ion:106 Resp: 48926
Ion Ratio Lower Upper
106 100
91 221.9 111.3 334.0

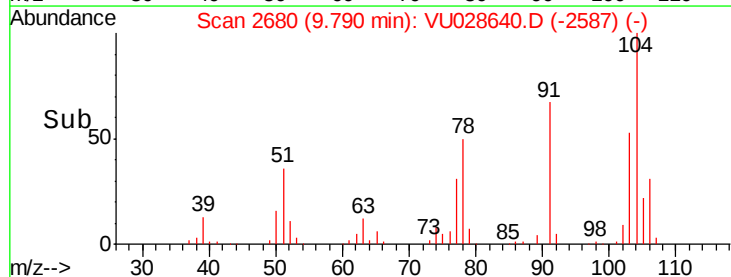
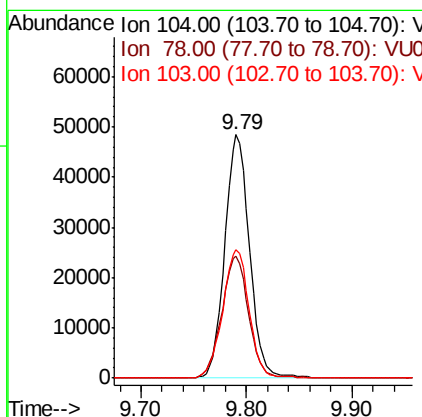
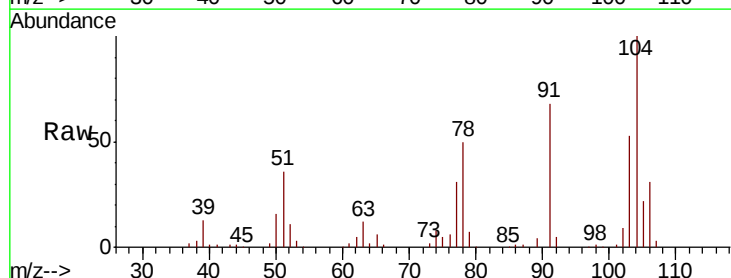
Manual Integrations
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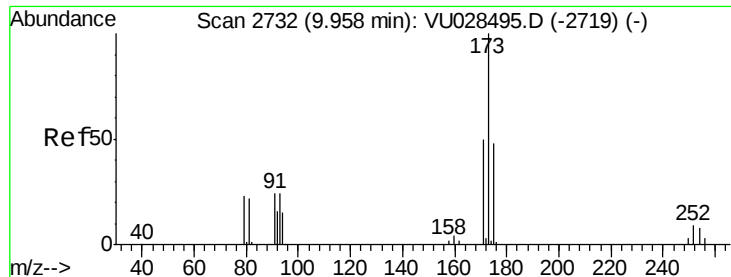
MMDadoda
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#70
Styrene
Concen: 19.698 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Tgt Ion:104 Resp: 78592
Ion Ratio Lower Upper
104 100
78 54.6 43.0 64.6
103 56.4 44.2 66.4





#71

Bromoform

Concen: 21.445 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBS02

Tot Ion:173 Resp: 21606

Ion Ratio Lower Upper

173 100

175 47.6 23.9 71.8

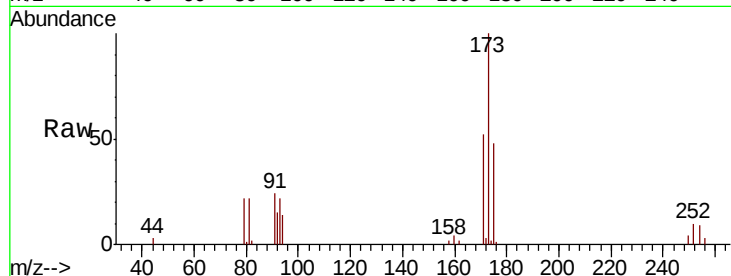
254 0.0 0.0 0.0

Manual Integrations

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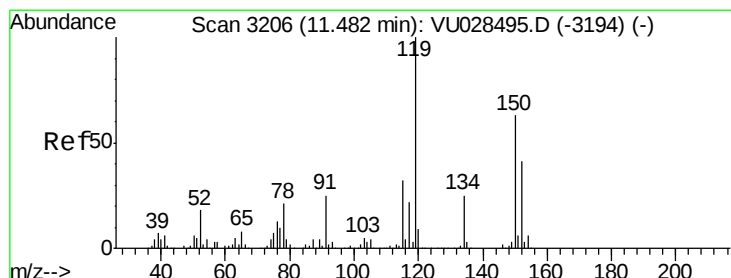
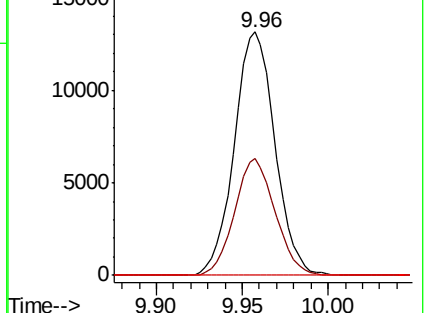
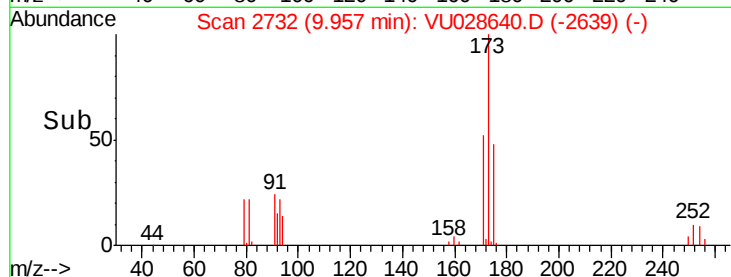
12/13/2018 9:29:32 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

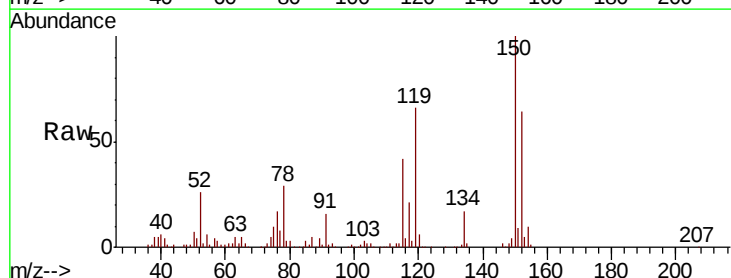
Tgt Ion:152 Resp: 82272

Ion Ratio Lower Upper

152 100

115 68.2 42.7 128.1

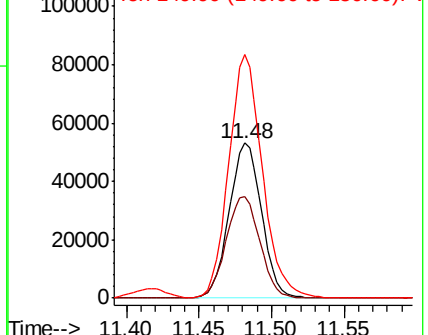
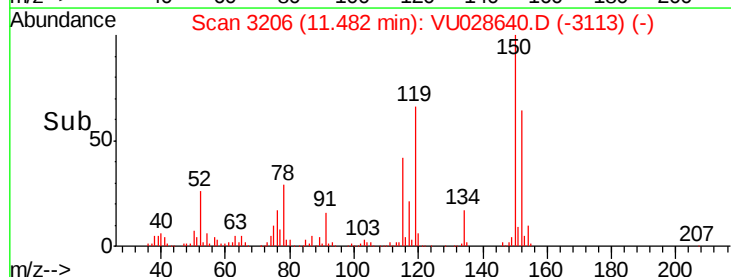
150 163.1 0.0 346.0

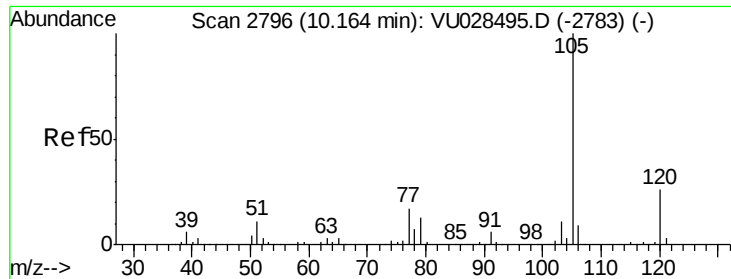


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.600 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBS02

Tot Ion:105 Resp: 130046

Ion Ratio Lower Upper

105 100

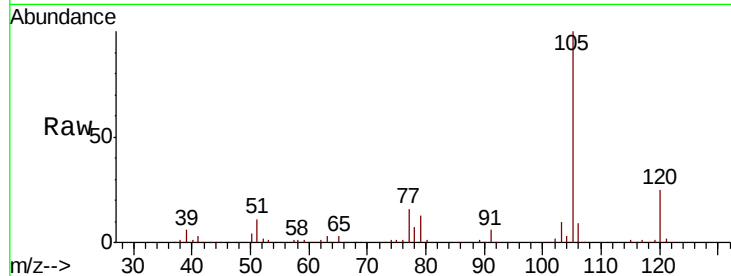
120 25.7 12.9 38.6

Manual Integrations

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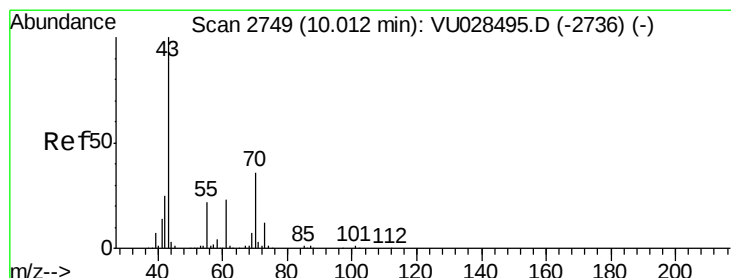
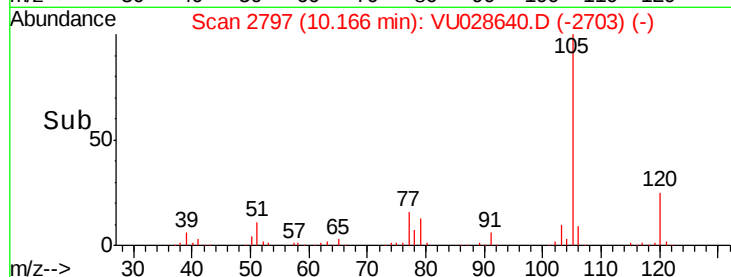
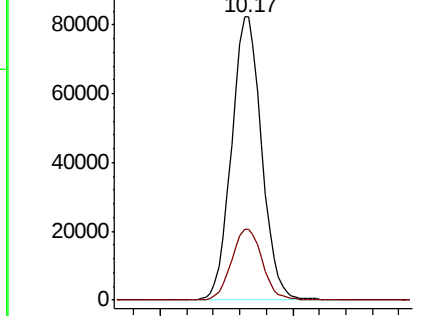
MMDadoda

12/13/2018 9:29:32 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.575 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Tgt Ion: 43 Resp: 74923

Ion Ratio Lower Upper

43 100

70 38.1 29.3 43.9

55 22.7 18.0 27.0

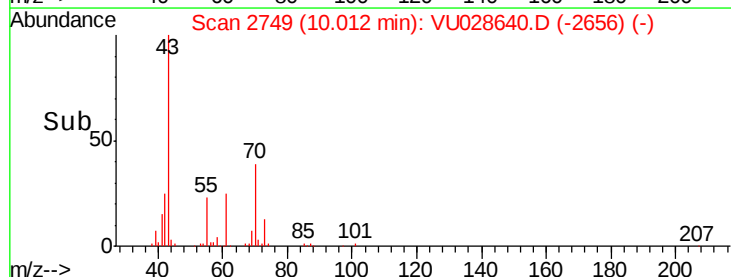
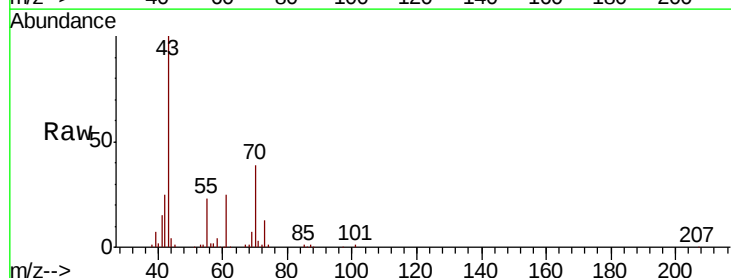
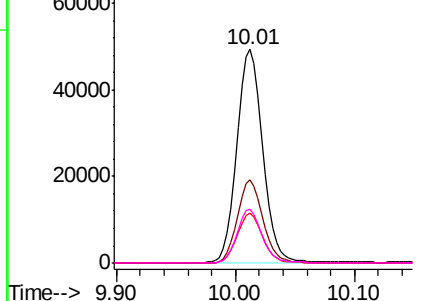
61 24.0 18.3 27.5

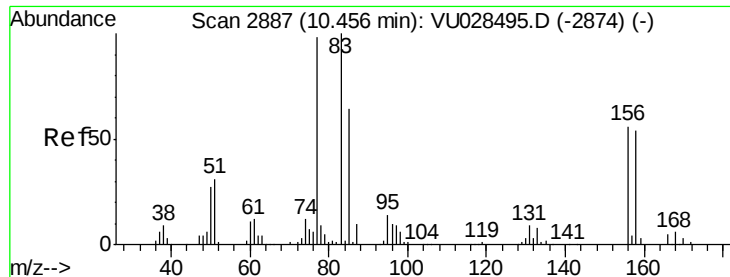
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.670 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Instrument :

MSVOA_U

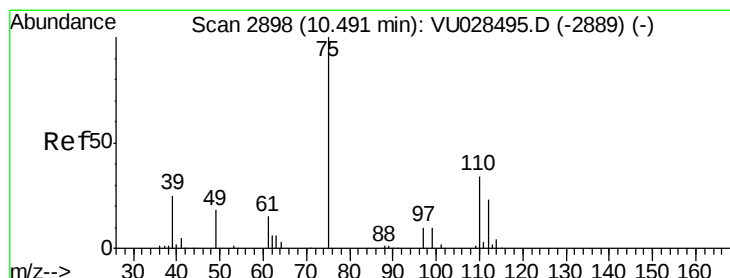
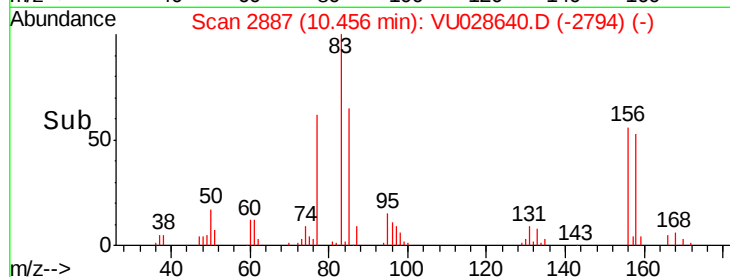
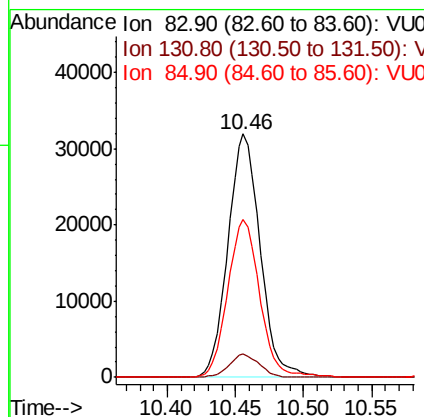
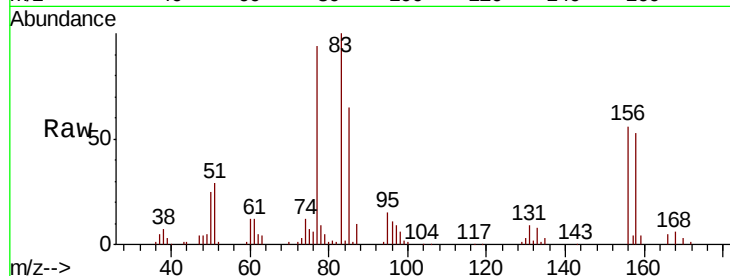
ClientSampleId :

VU1213WBS02

Tot Ion:	83	Resp:	52552
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.2	12.4
85	64.6	31.8	95.4

Manual Integrations
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MMDadoda
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#76

1,2,3-Trichloropropane

Concen: 21.787 ug/l m

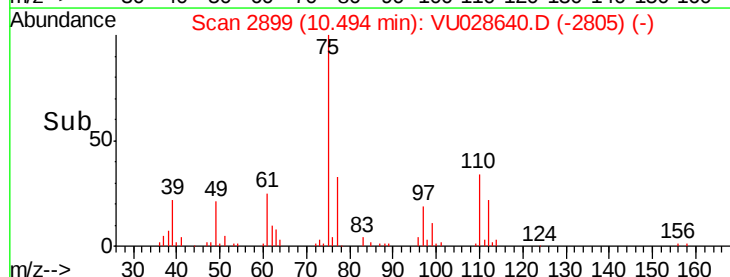
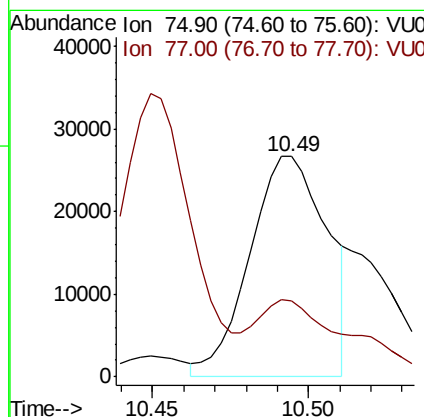
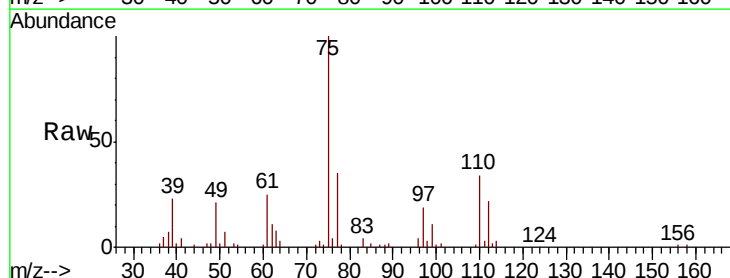
RT: 10.49 min Scan# 2899

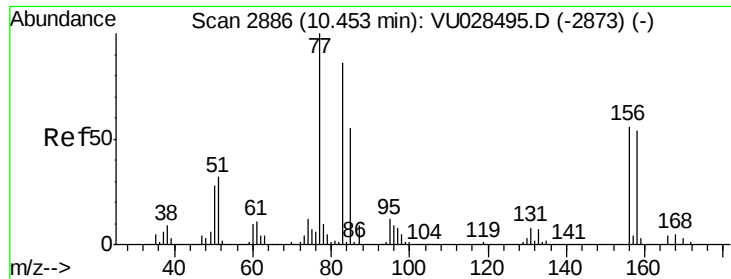
Delta R.T. 0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Tgt Ion:	75	Resp:	45770
Ion Ratio	Lower	Upper	
75	100		
77	42.9	20.8	62.4





#77

Bromobenzene

Concen: 20.852 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Instrument :

MSVOA_U

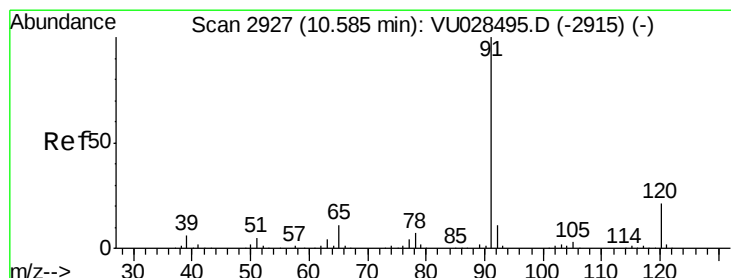
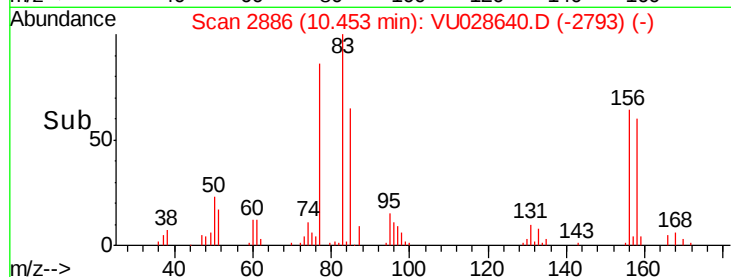
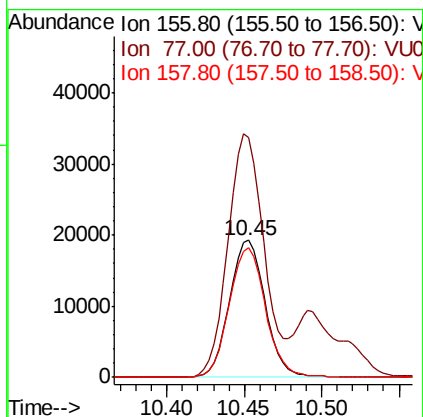
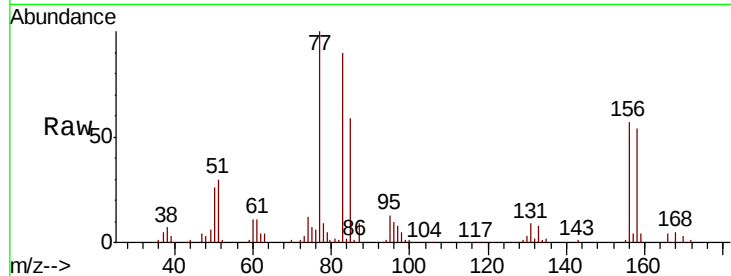
ClientSampleId :

VU1213WBS02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	177.7	92.4	277.2	
158	96.3	48.4	145.3	

Manual Integrations
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12/13/2018 9:29:32 AM



#78

n-propylbenzene

Concen: 19.600 ug/l

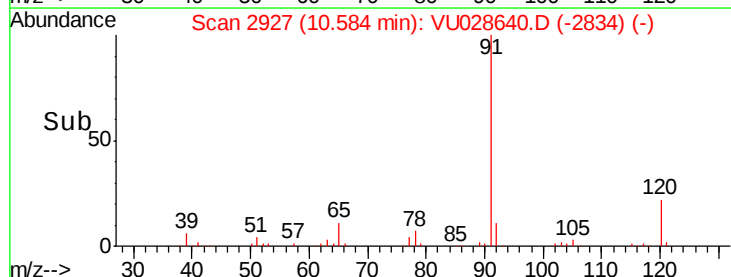
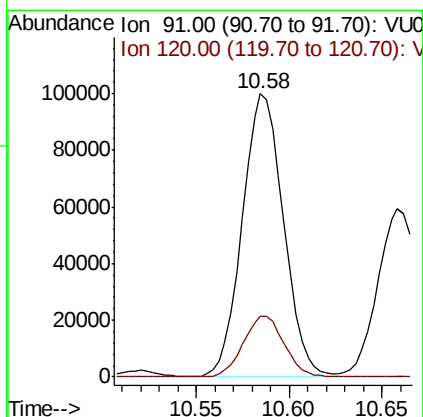
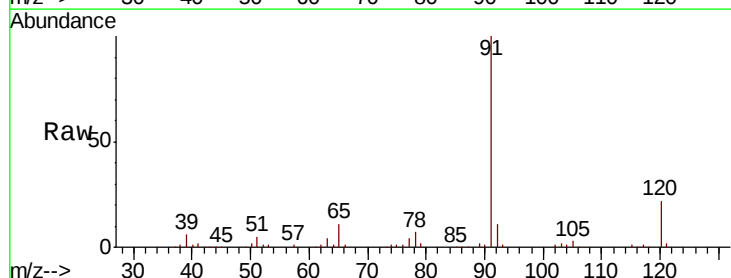
RT: 10.58 min Scan# 2927

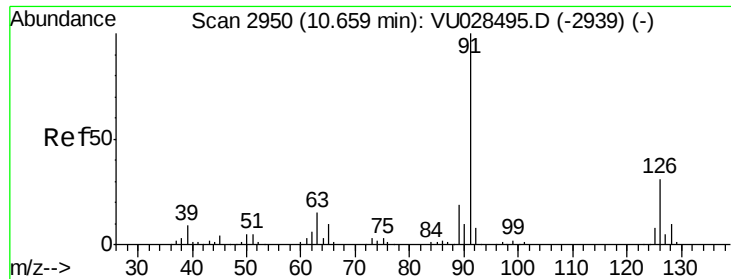
Delta R.T. -0.00 min

Lab File: VU028640.D

Acq: 12 Dec 2018 10:20

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.4	10.6	31.8	





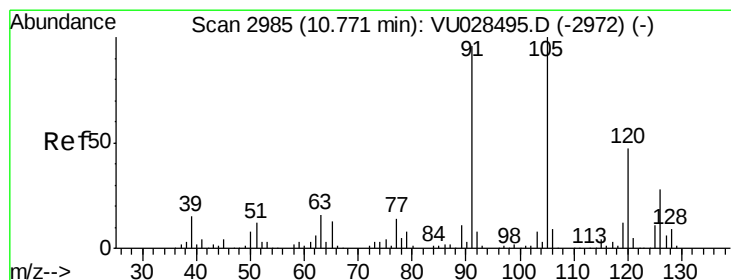
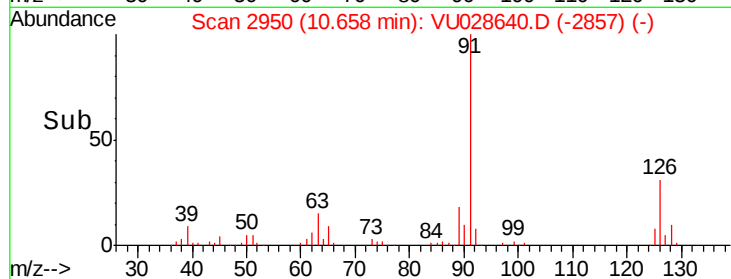
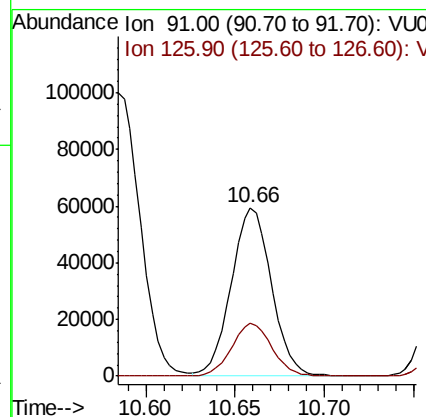
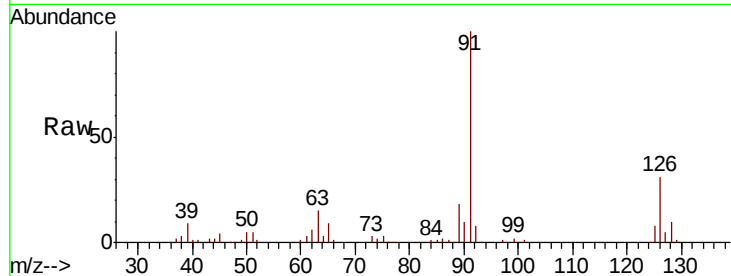
#79
 2-Chlorotoluene
 Concen: 20.384 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS02

Tot Ion: 91 Resp: 92107
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.6 46.8

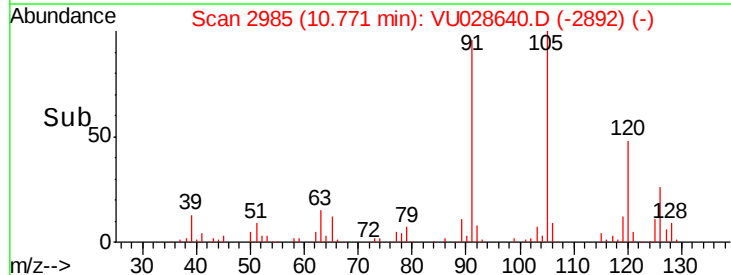
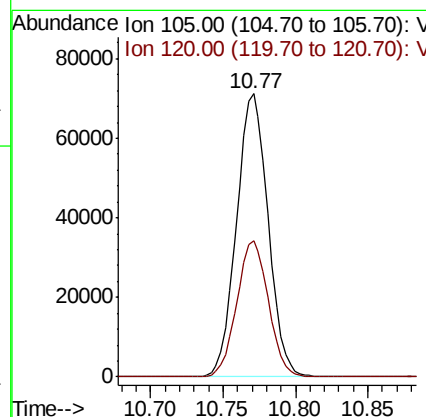
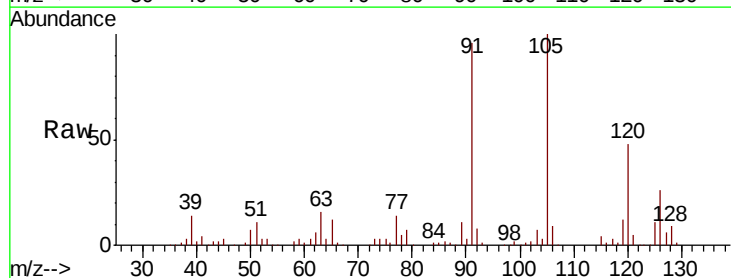
Manual Integrations
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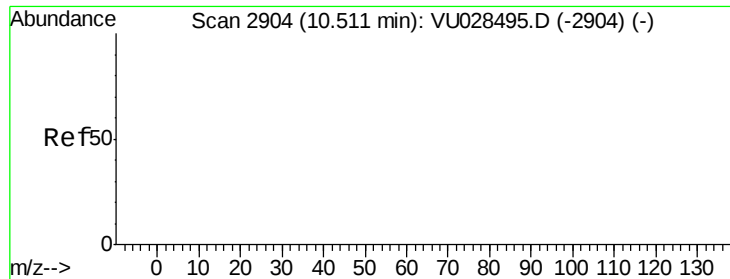
MMDadoda
 12/13/2018 9:29:32 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.583 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Tgt Ion: 105 Resp: 107559
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.7 71.1





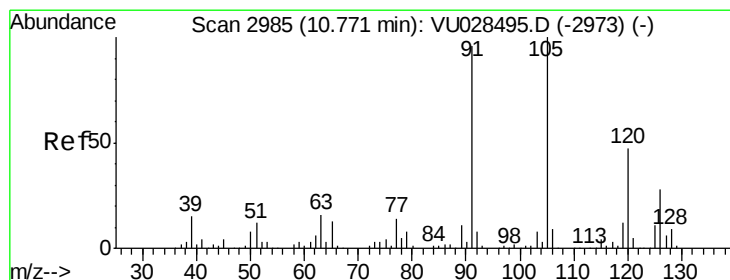
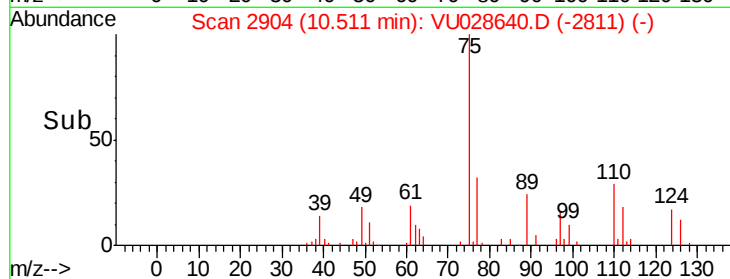
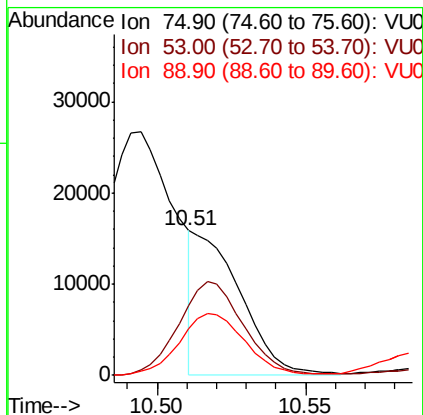
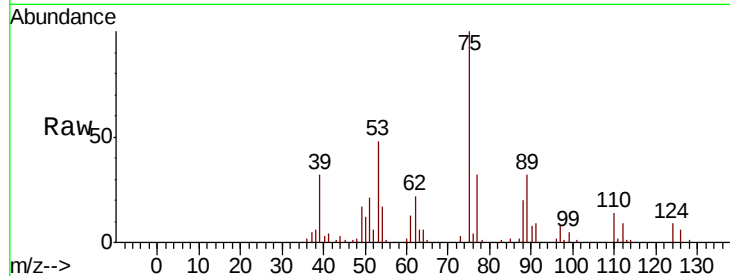
#81
trans-1,4-Dichloro-2-butene
Concen: 20.381 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

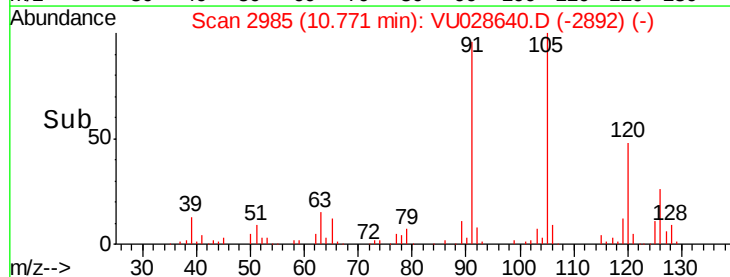
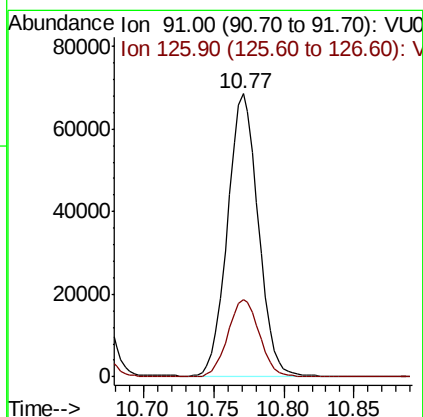
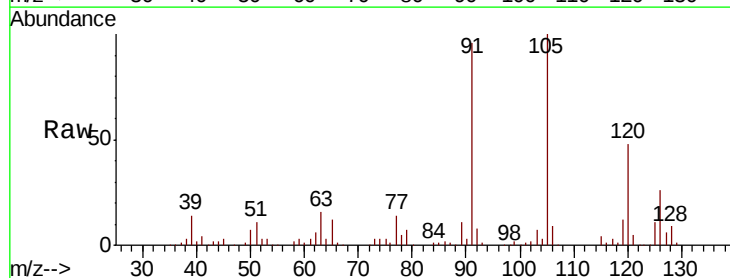
Manual Integrations
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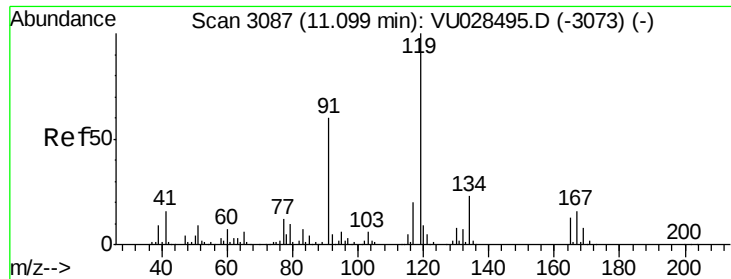
MMDadoda
12/13/2018 9:29:32 AM



#82
4-Chlorotoluene
Concen: 19.446 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.3





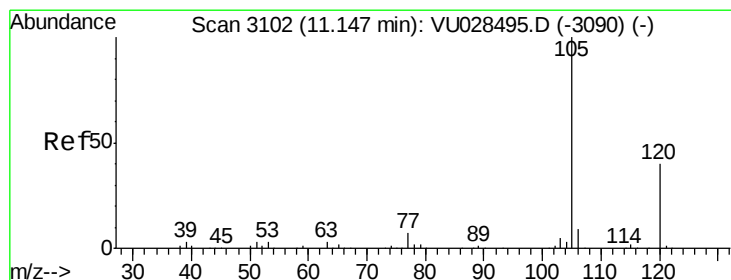
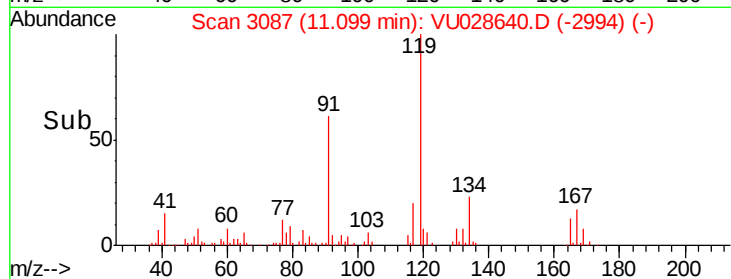
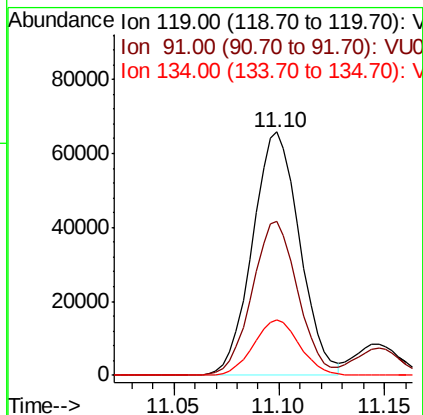
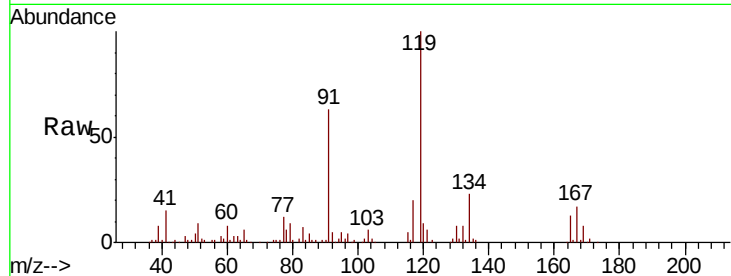
#83
tert-Butylbenzene
Concen: 20.402 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	102762		
91	61.4	30.3	91.0	
134	22.3	11.2	33.5	

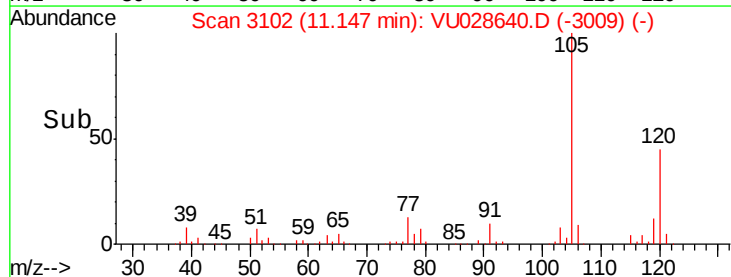
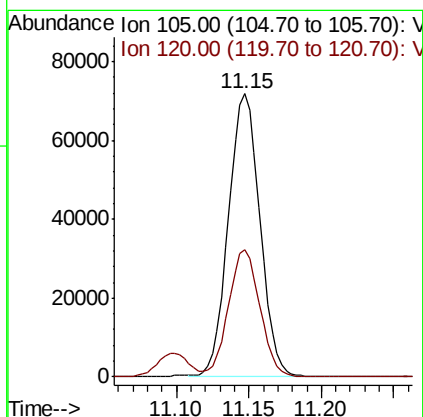
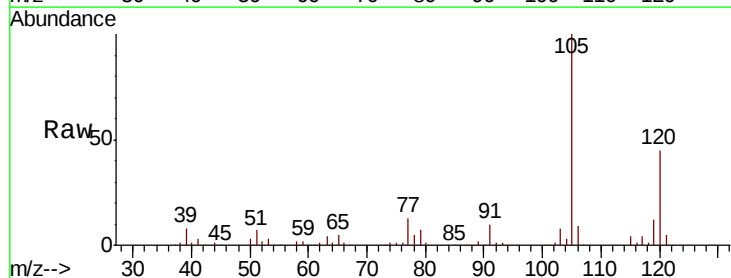
Manual Integrations
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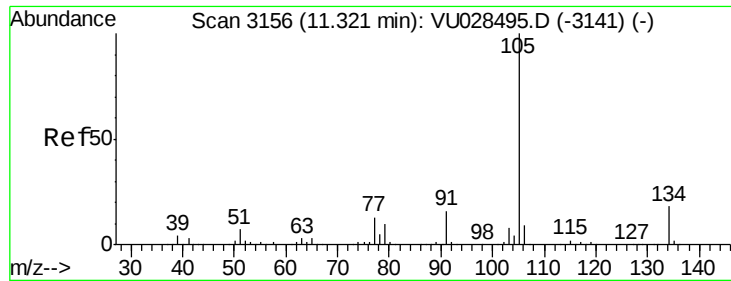
MMDadoda
12/13/2018 9:29:32 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.193 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	108753		
120	44.8	21.8	65.4	





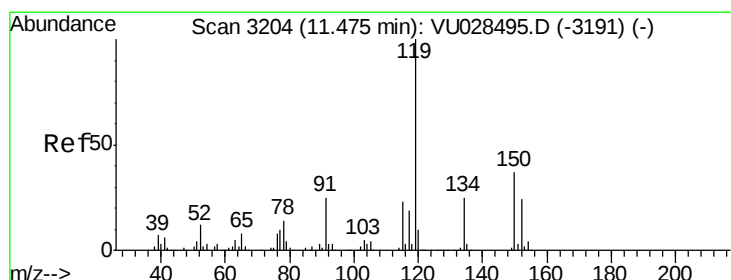
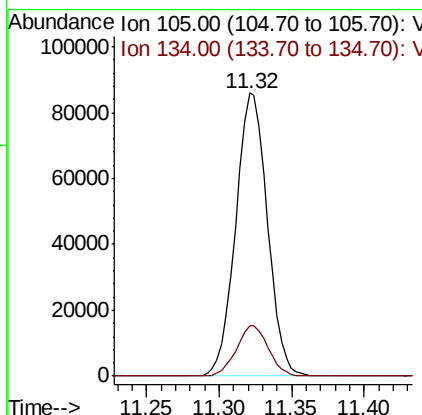
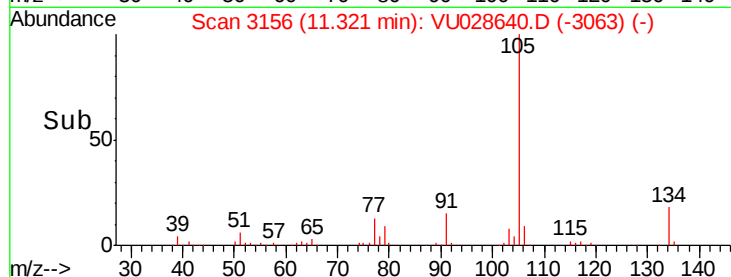
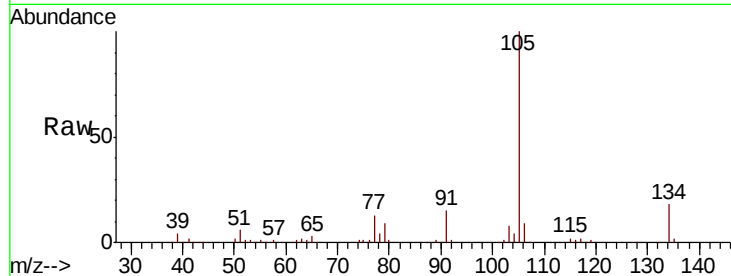
#85
 sec-Butylbenzene
 Concen: 20.166 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleID :
 VU1213WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.1	9.2	27.6

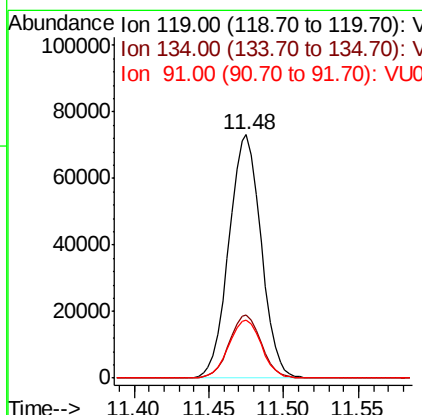
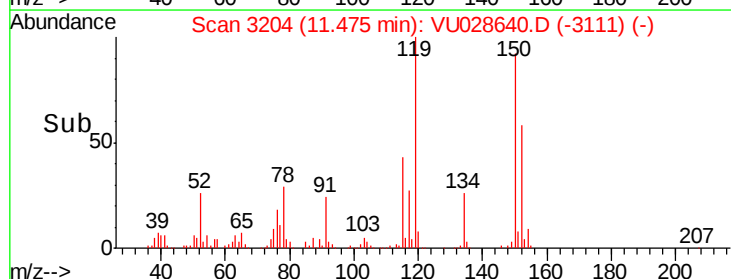
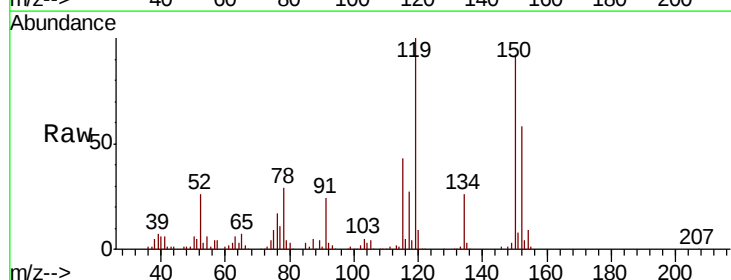
Manual Integrations
 APPROVED

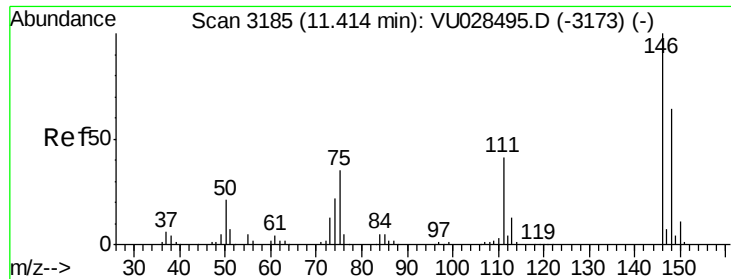
MMDadoda
 12/13/2018 9:29:32 AM



#86
 p-Isopropyltoluene
 Concen: 19.917 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.7	38.1
91	24.3	12.6	37.6





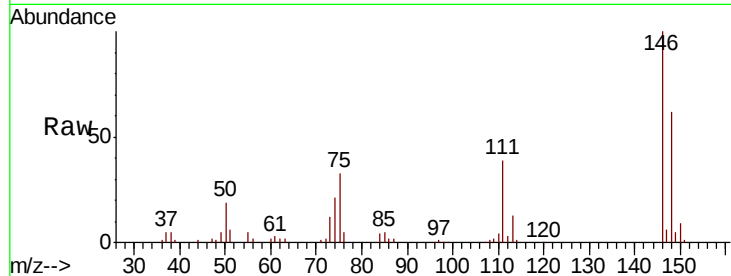
#87
 1,3-Dichlorobenzene
 Concen: 19.958 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.7	62.1
148	62.9	31.9	95.7

Manual Integrations
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MMDadoda
 12/13/2018 9:29:32 AM

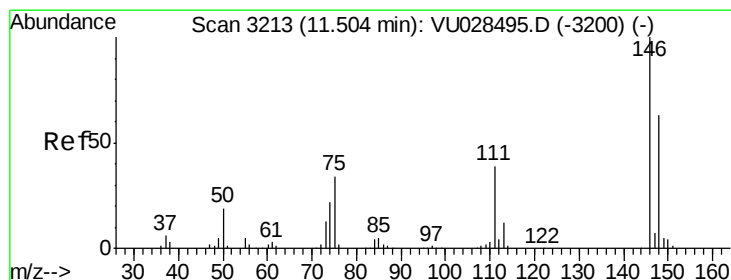
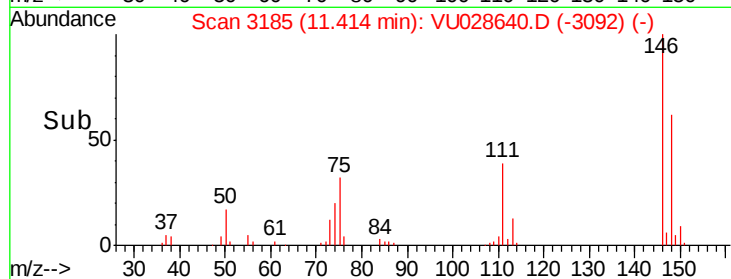
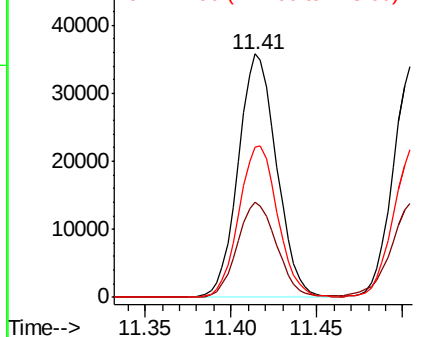


Abundance

Ion 145.90 (145.60 to 146.60): V

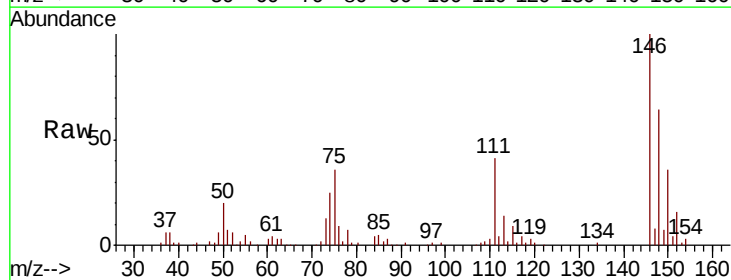
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 19.075 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.2	60.5
148	64.8	31.6	95.0

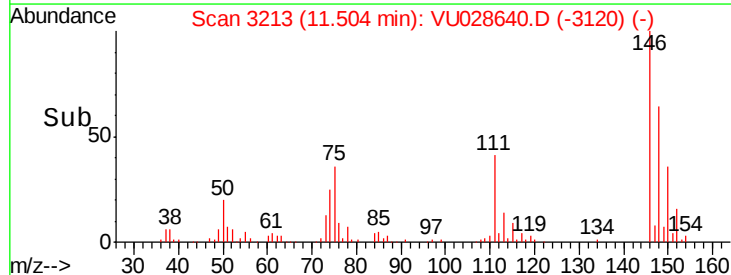
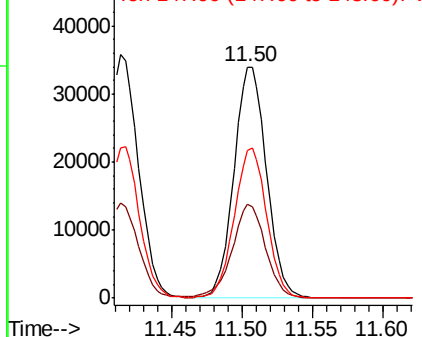


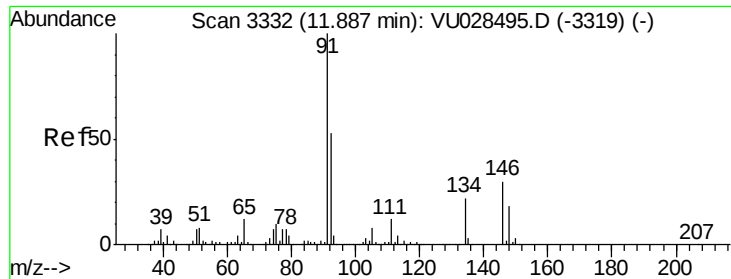
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





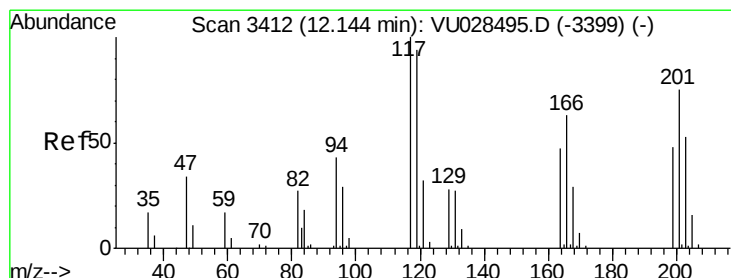
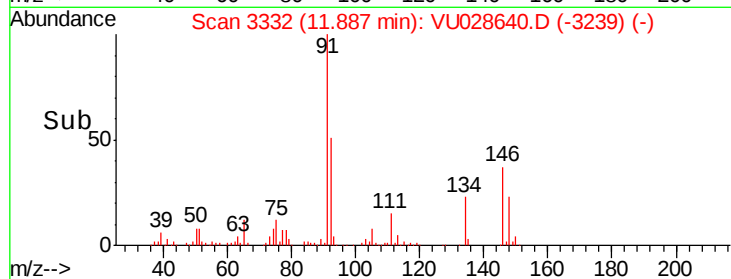
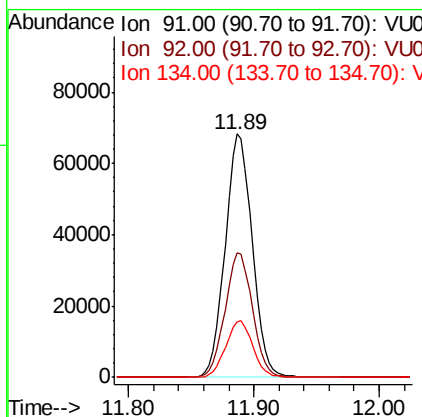
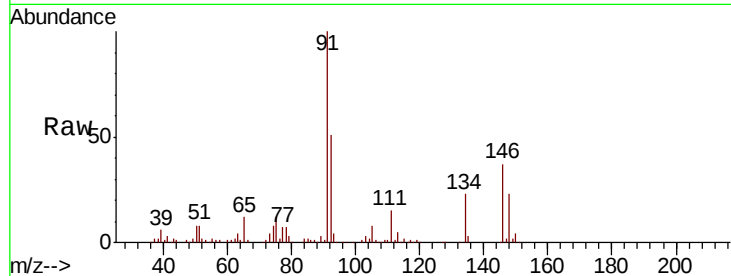
#89
n-Butylbenzene
Concen: 18.343 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.3	78.9
134	23.1	11.3	33.8

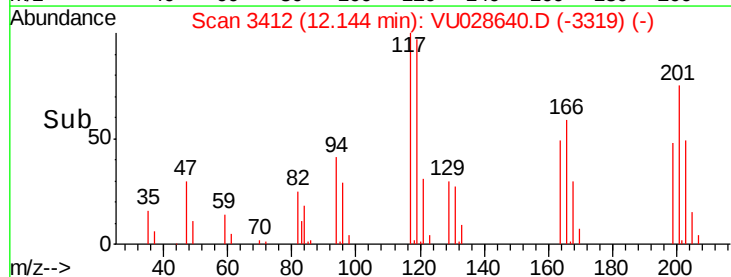
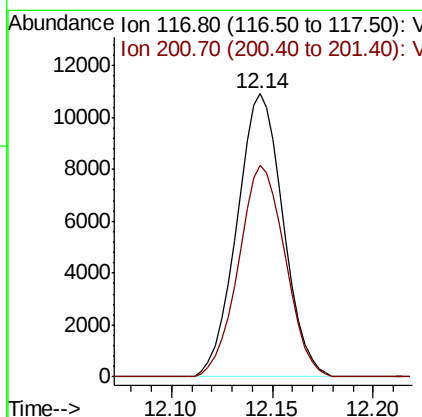
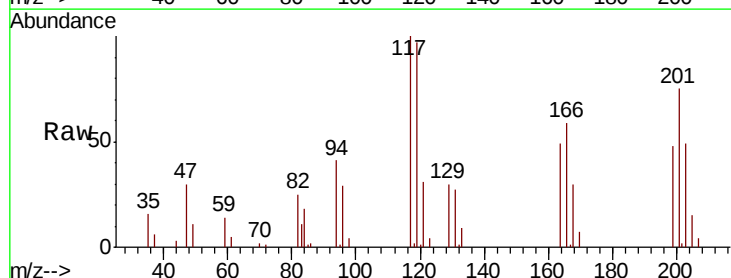
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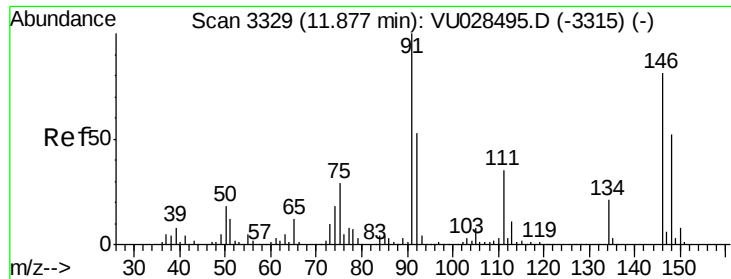
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#90
Hexachloroethane
Concen: 21.091 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.2	38.1	114.5





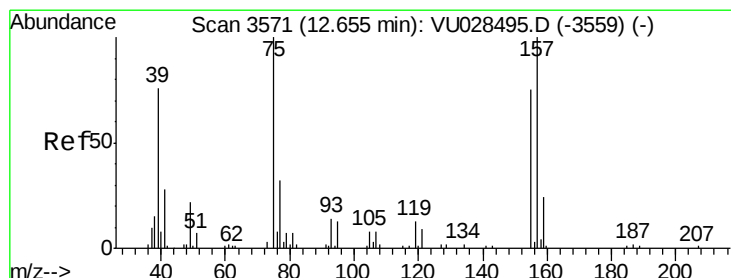
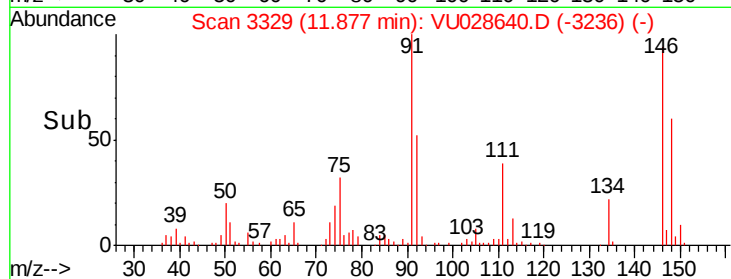
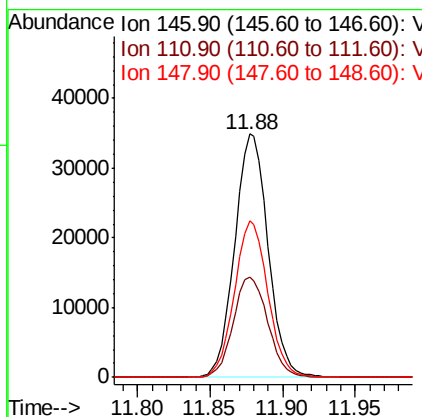
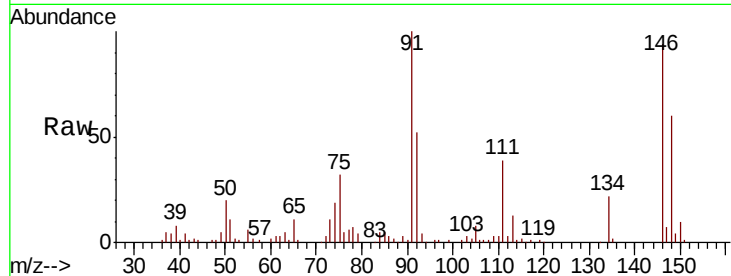
#91
 1,2-Dichlorobenzene
 Concen: 19.981 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.4
148	64.1	31.4	94.2

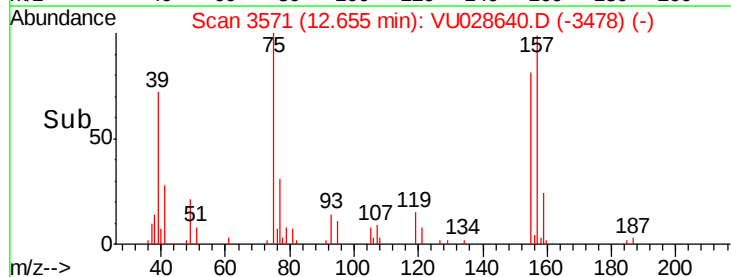
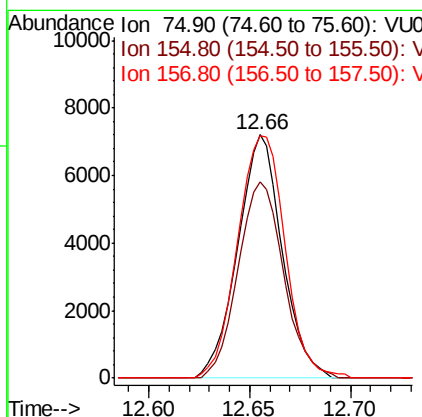
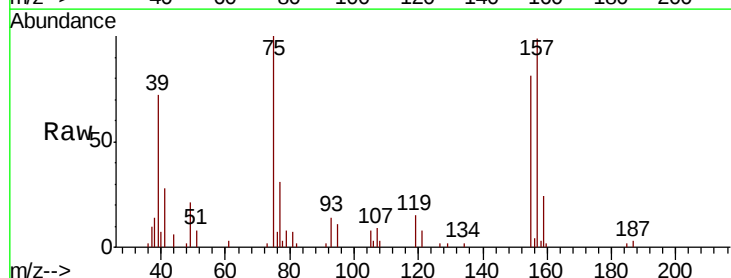
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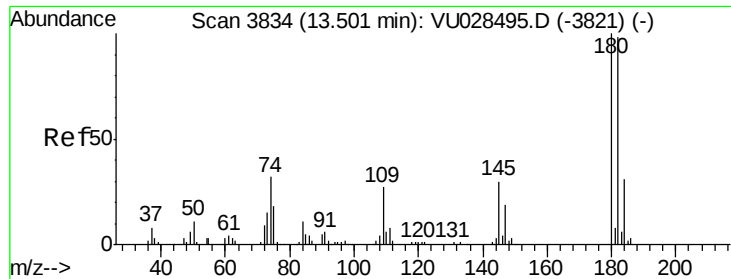
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.182 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	38.1	114.5
157	106.6	48.7	146.1





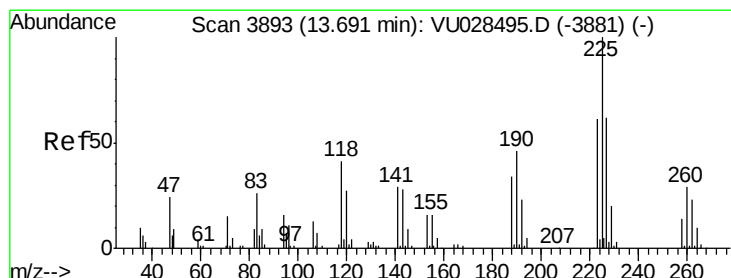
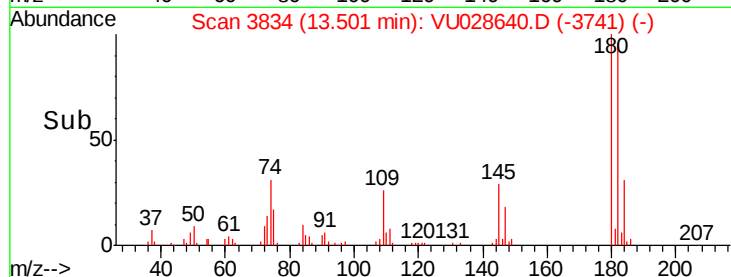
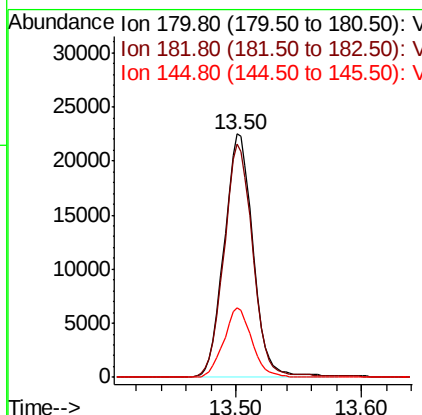
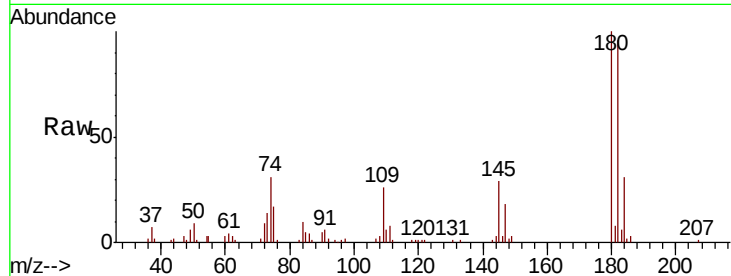
#93
 1,2,4-Trichlorobenzene
 Concen: 19.262 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.8
145	27.6	15.0	45.1

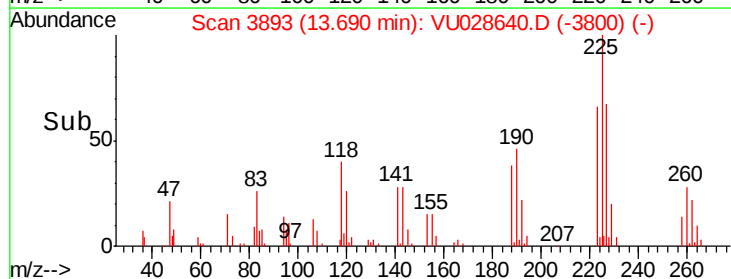
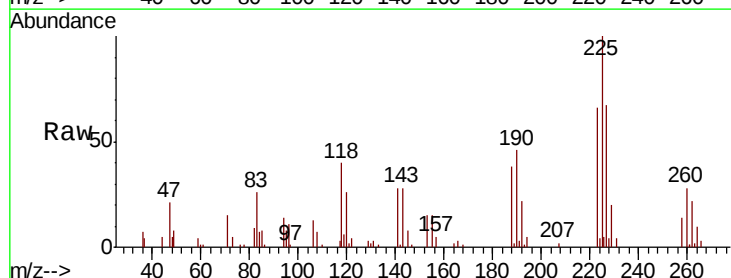
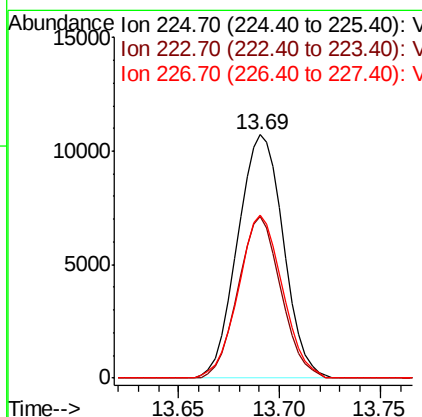
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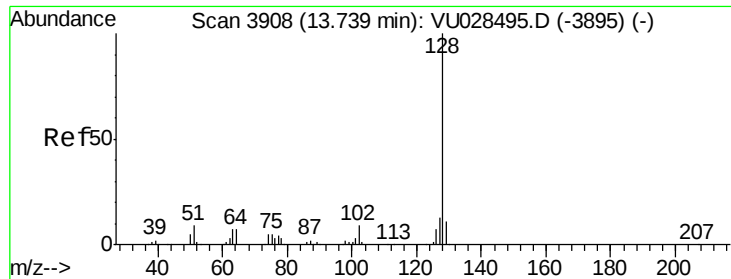
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#94
 Hexachlorobutadiene
 Concen: 18.683 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028640.D
 Acq: 12 Dec 2018 10:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	30.4	91.2
227	64.5	30.7	92.1





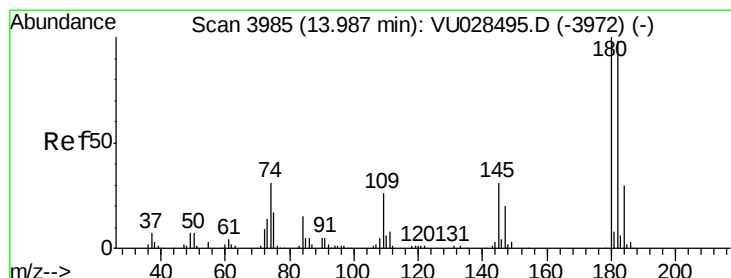
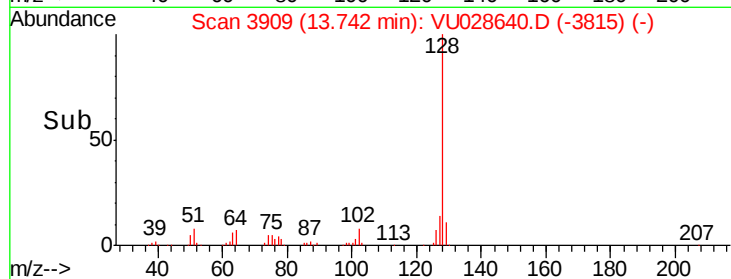
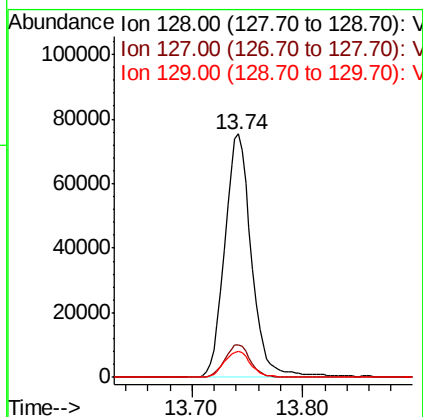
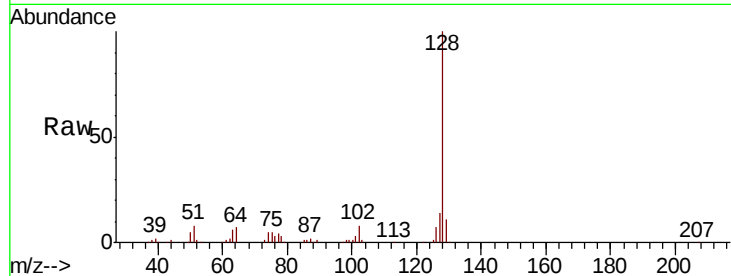
#95
Naphthalene
Concen: 18.941 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
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12/13/2018 9:29:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.293 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028640.D
Acq: 12 Dec 2018 10:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	48.2	144.6
145	31.7	15.8	47.3

