

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121118\
 Data File : VU028577.D
 Acq On : 11 Dec 2018 02:27
 Operator : MD/SY
 Sample : VU1211WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:11:08 PM

Quant Time: Dec 11 04:38:10 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	81349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	146017	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	63063	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	67782	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	
35) Dibromofluoromethane	4.88	113	48196	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
50) Toluene-d8	7.57	98	189217	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
62) 4-Bromofluorobenzene	10.30	95	68027	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	22349	20.497	ug/l	98
3) Chloromethane	1.33	50	41034	20.470	ug/l	98
4) Vinyl Chloride	1.40	62	29705	20.533	ug/l	100
5) Bromomethane	1.61	94	12094	20.753	ug/l	98
6) Chloroethane	1.69	64	17184	20.982	ug/l	100
7) Trichlorofluoromethane	1.88	101	31578	20.747	ug/l	98
8) Diethyl Ether	2.10	74	13976	19.626	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	18096	19.879	ug/l	98
10) Methyl Iodide	2.41	142	16802	23.523	ug/l	99
11) Tert butyl alcohol	2.83	59	33368	120.642	ug/l	100
12) 1,1-Dichloroethene	2.28	96	17844	19.701	ug/l	96
13) Acrolein	2.19	56	24376	110.552	ug/l	96
14) Allyl chloride	2.59	41	43318	20.217	ug/l	98
15) Acrylonitrile	2.94	53	86709	112.918	ug/l	99
16) Acetone	2.32	43	71690	88.496	ug/l	100
17) Carbon Disulfide	2.48	76	65507	20.076	ug/l	99
18) Methyl Acetate	2.62	43	50344	23.974	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	71564	20.843	ug/l	99
20) Methylene Chloride	2.70	84	23362	19.563	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	20428	20.032	ug/l	97
22) Diisopropyl ether	3.57	45	90694	21.766	ug/l	99
23) Vinyl Acetate	3.52	43	368913	107.339	ug/l	99
24) 1,1-Dichloroethane	3.44	63	45647	20.928	ug/l	99
25) 2-Butanone	4.26	43	120457	108.806	ug/l	98
26) 2,2-Dichloropropane	4.23	77	29288	16.947	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	23828	20.644	ug/l	99
28) Bromochloromethane	4.55	49	25273	25.489	ug/l	95
29) Tetrahydrofuran	4.64	42	84197	118.419	ug/l	97
30) Chloroform	4.67	83	40250	21.173	ug/l	98
31) Cyclohexane	4.99	56	45809	20.824	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	32693	20.707	ug/l	97
36) 1,1-Dichloropropene	5.13	75	30983	19.391	ug/l	100
37) Ethyl Acetate	4.38	43	45050	21.810	ug/l	98
38) Carbon Tetrachloride	5.13	117	26190	20.336	ug/l	98

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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)
39) Methylcyclohexane	6.41	83	35610	18.268	ug/l	97
40) Benzene	5.39	78	95498	20.293	ug/l	98
41) Methacrylonitrile	4.54	41	25013	22.112	ug/l	98
42) 1,2-Dichloroethane	5.40	62	34102	20.702	ug/l	97
43) Isopropyl Acetate	5.55	43	71171	21.784	ug/l	98
44) Trichloroethene	6.19	130	20709	19.791	ug/l	95
45) 1,2-Dichloropropane	6.43	63	28225	21.328	ug/l	97
46) Dibromomethane	6.56	93	15901	20.251	ug/l	98
47) Bromodichloromethane	6.76	83	30799	20.157	ug/l	100
48) Methyl methacrylate	6.62	41	35550	21.881	ug/l	97
49) 1,4-Dioxane	6.61	88	13153	512.712	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	226676	110.006	ug/l	98
52) Toluene	7.64	92	55506	20.041	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	35178	19.331	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	38651	19.577	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	22617	20.659	ug/l	98
56) Ethyl methacrylate	8.02	69	38547	20.561	ug/l	97
57) 1,3-Dichloropropane	8.24	76	41200	20.273	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	94189	98.086	ug/l	98
59) 2-Hexanone	8.36	43	176192	107.880	ug/l	99
60) Dibromochloromethane	8.48	129	21342	19.911	ug/l	96
61) 1,2-Dibromoethane	8.58	107	23543	20.507	ug/l	100
64) Tetrachloroethene	8.22	164	18837	21.065	ug/l	95
65) Chlorobenzene	9.12	112	56502	19.778	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	19229	21.079	ug/l	100
67) Ethyl Benzene	9.25	91	105495	20.088	ug/l	99
68) m/p-Xylenes	9.37	106	74880	39.185	ug/l	98
69) o-Xylene	9.78	106	37453	20.168	ug/l	99
70) Styrene	9.79	104	60198	19.588	ug/l	99
71) Bromoform	9.96	173	16223	20.905	ug/l #	99
73) Isopropylbenzene	10.16	105	98718	20.400	ug/l	99
74) N-amyl acetate	10.01	43	60563	21.697	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	42011	22.600	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	36188m	22.472	ug/l	
77) Bromobenzene	10.45	156	23439	20.711	ug/l	99
78) n-propylbenzene	10.58	91	118008	19.626	ug/l	100
79) 2-Chlorotoluene	10.66	91	72703	20.991	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	82927	20.703	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	14348m	22.201	ug/l	
82) 4-Chlorotoluene	10.77	91	81383	19.828	ug/l	99
83) tert-Butylbenzene	11.10	119	78635	20.367	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	84123	20.378	ug/l	100
85) sec-Butylbenzene	11.32	105	99147	19.989	ug/l	99
86) p-Isopropyltoluene	11.48	119	81496	19.342	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	41261	19.308	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	41716	18.868	ug/l	97
89) n-Butylbenzene	11.89	91	75430	17.690	ug/l	100
90) Hexachloroethane	12.14	117	11709	18.386	ug/l	92
91) 1,2-Dichlorobenzene	11.88	146	42701	19.976	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	8626	21.434	ug/l	99

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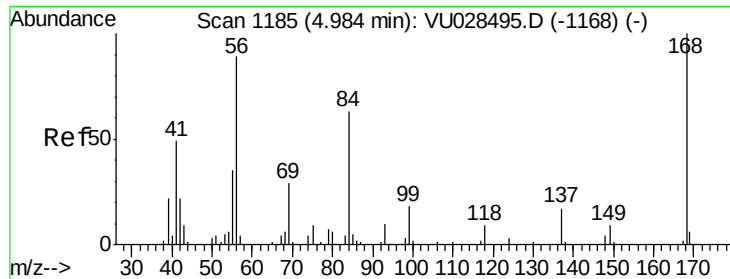
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	25153	17.679	ug/l	99
94) Hexachlorobutadiene	13.69	225	12031	17.182	ug/l	96
95) Naphthalene	13.74	128	88270	17.209	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	26215	18.026	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS02

Tot Ion:168 Resp: 81349

Ion Ratio Lower Upper

168 100

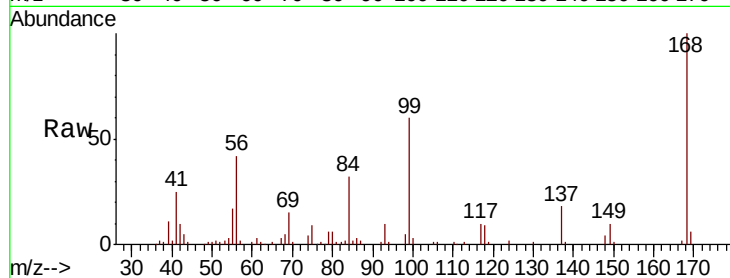
99 59.7 46.6 69.8

Manual Integrations

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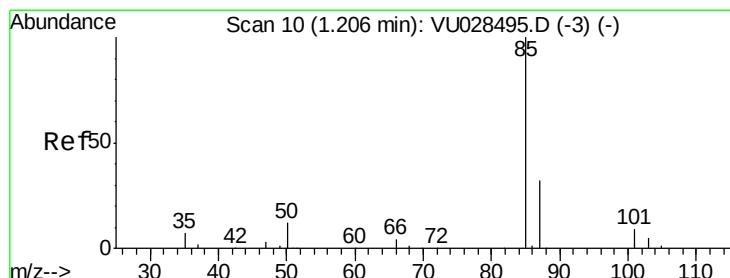
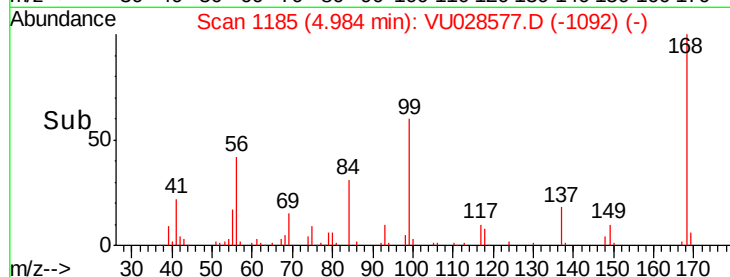
Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

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

4.98

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.497 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028577.D

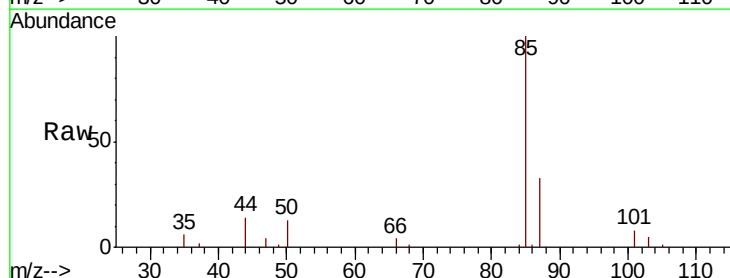
Acq: 11 Dec 2018 02:27

Tgt Ion: 85 Resp: 22349

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.6



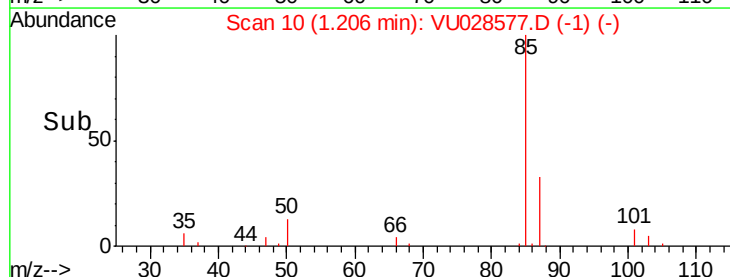
Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

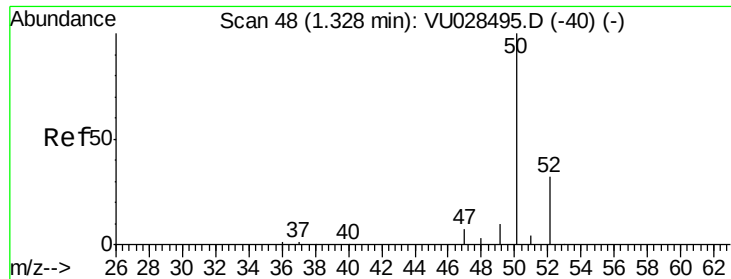
Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.470 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS02

Tot Ion: 50 Resp: 41034

Ion Ratio Lower Upper

50 100

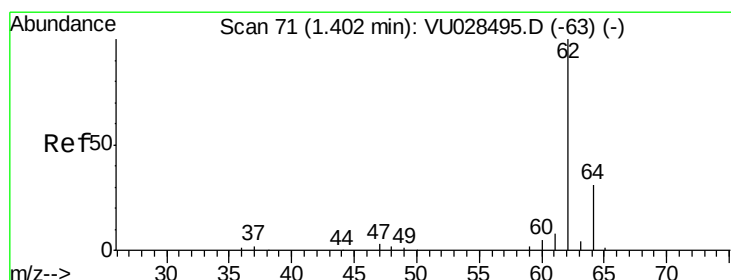
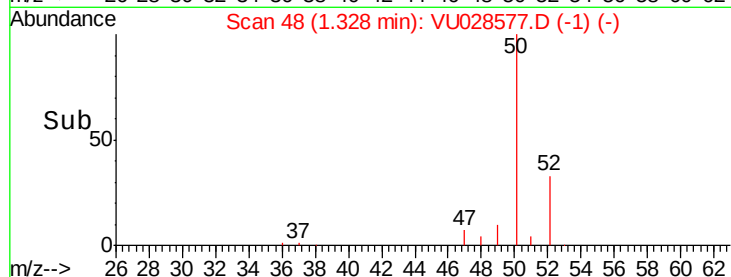
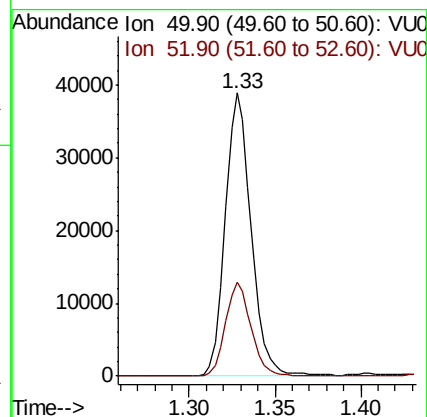
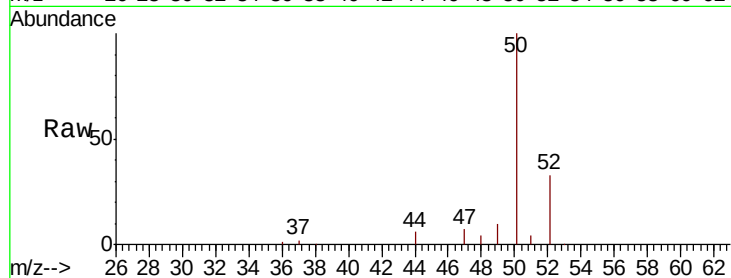
52 33.2 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.533 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028577.D

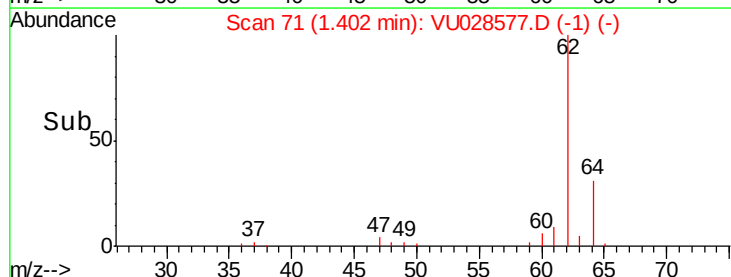
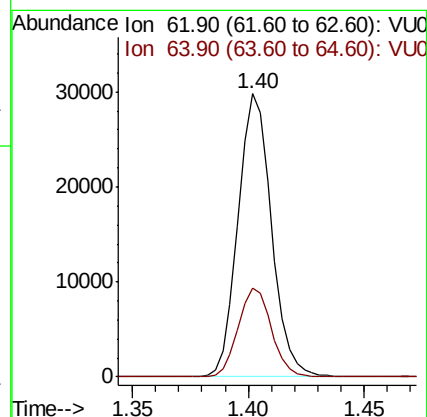
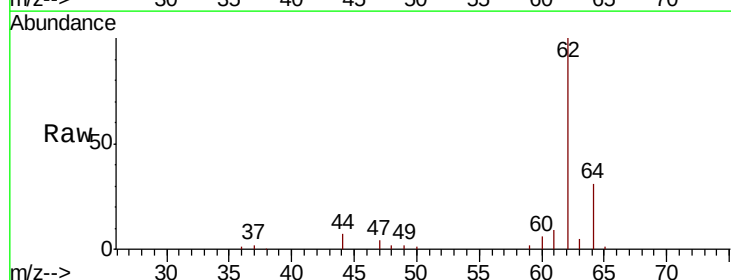
Acq: 11 Dec 2018 02:27

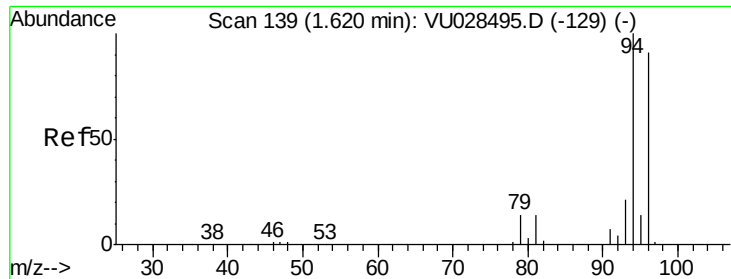
Tgt Ion: 62 Resp: 29705

Ion Ratio Lower Upper

62 100

64 31.4 25.1 37.7





#5

Bromomethane

Concen: 20.753 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.01 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS02

Tot Ion: 94 Resp: 12094

Ion Ratio Lower Upper

94 100

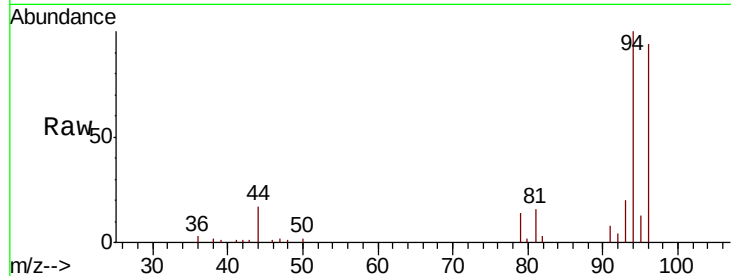
96 93.6 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

12000

10000

8000

6000

4000

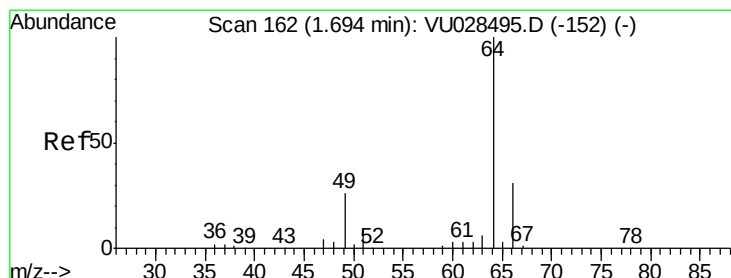
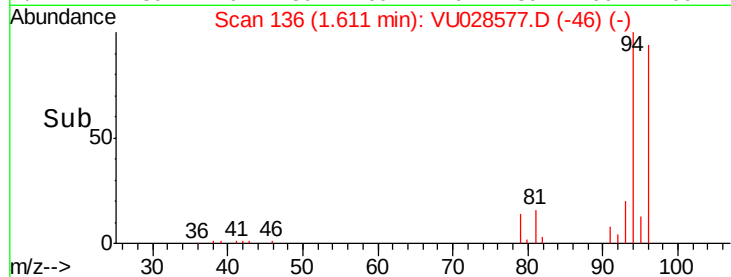
2000

0

Time-->

1.55 1.60 1.65

1.61



#6

Chloroethane

Concen: 20.982 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU028577.D

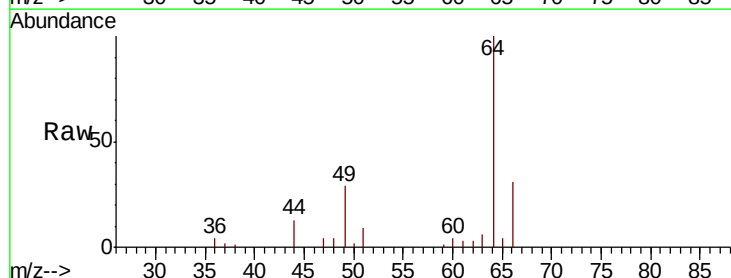
Acq: 11 Dec 2018 02:27

Tgt Ion: 64 Resp: 17184

Ion Ratio Lower Upper

64 100

66 31.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

15000

10000

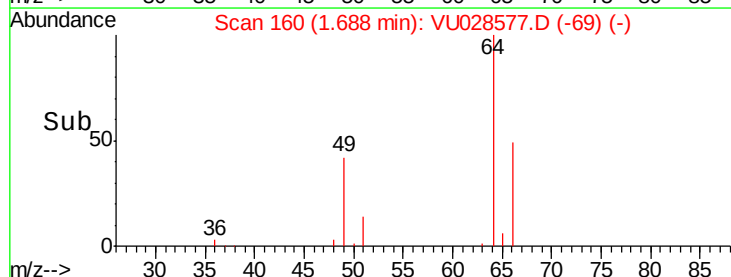
5000

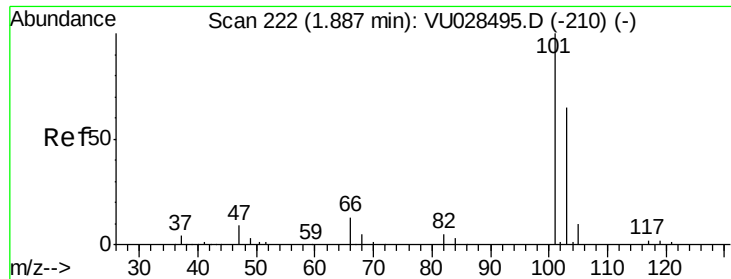
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Time-->

1.65 1.70 1.75

1.69





#7

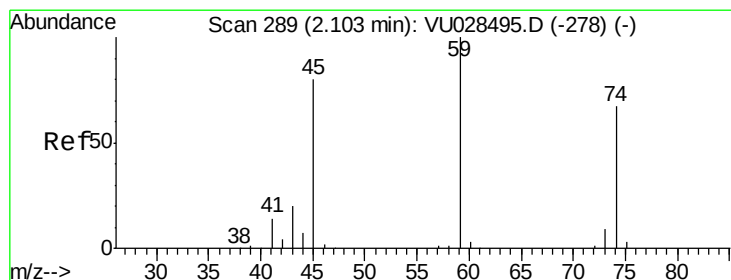
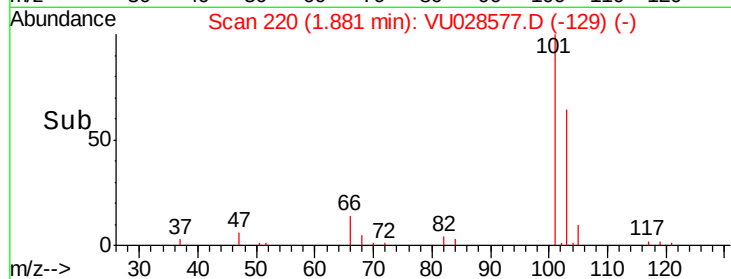
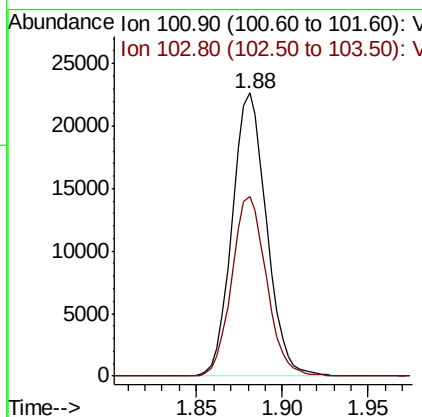
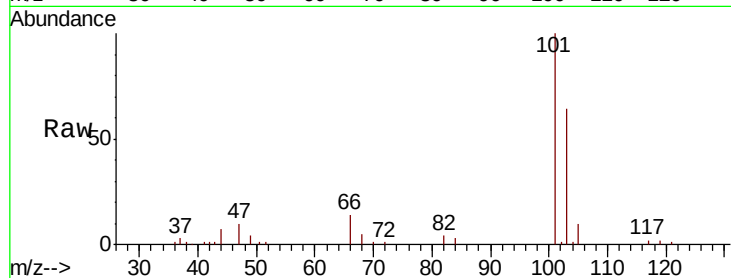
Trichlorofluoromethane
Concen: 20.747 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.01 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.3	78.5

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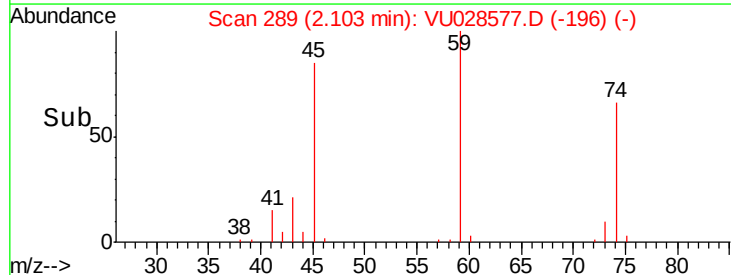
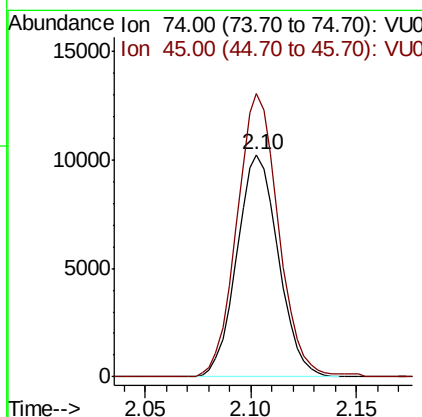
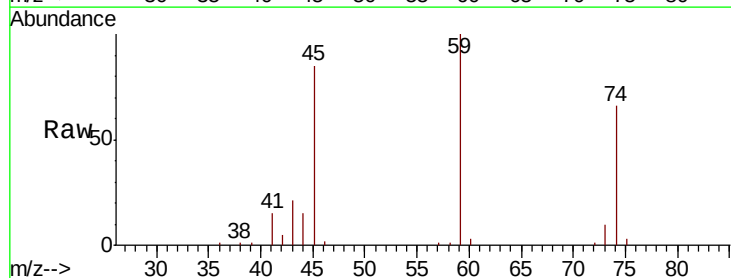
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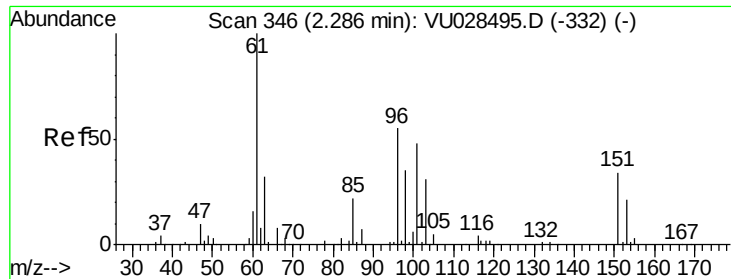


#8

Diethyl Ether
Concen: 19.626 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	128.1	59.7	179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.879 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

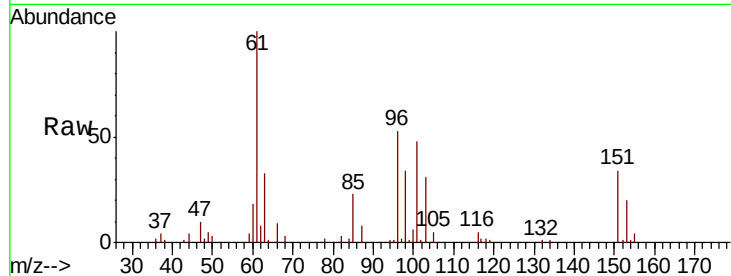
ClientSampleId :

VU1211WBS02

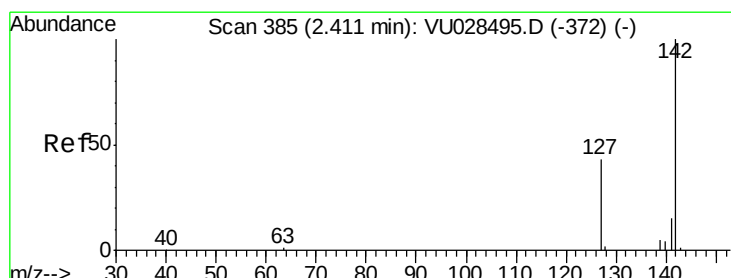
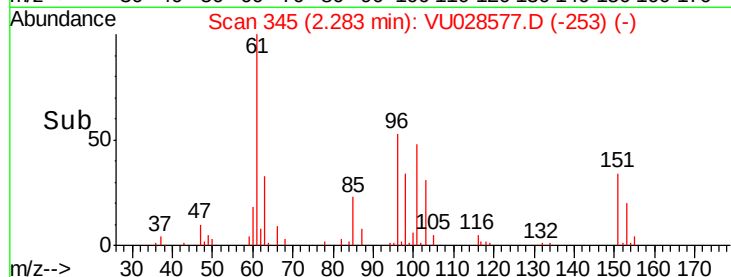
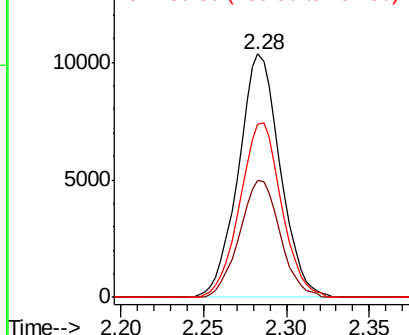
Tot Ion:	101	Resp:	18096
Ion Ratio	Lower	Upper	
101	100		
85	46.7	36.4	54.6
151	71.3	58.2	87.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VU0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.523 ug/l

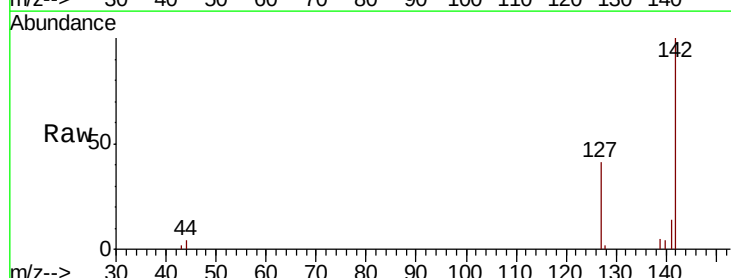
RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

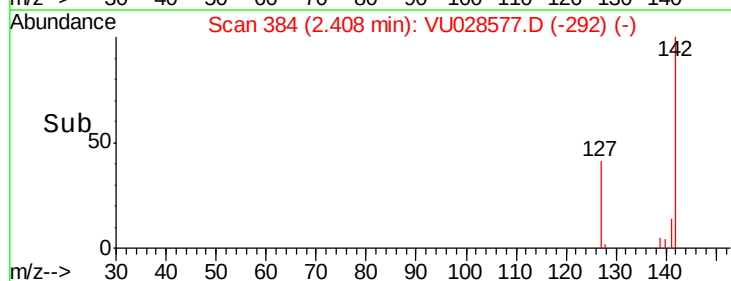
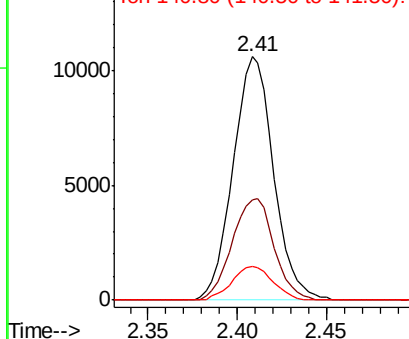
Lab File: VU028577.D

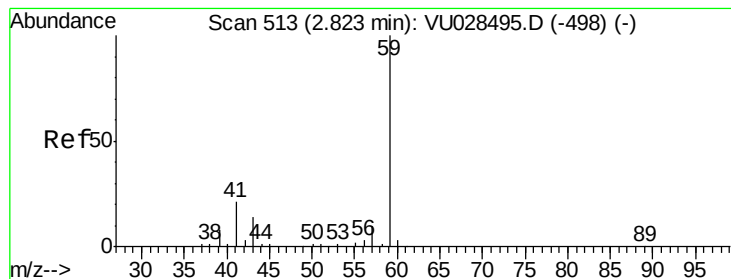
Acq: 11 Dec 2018 02:27

Tgt Ion:	142	Resp:	16802
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.5	50.3
141	13.9	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

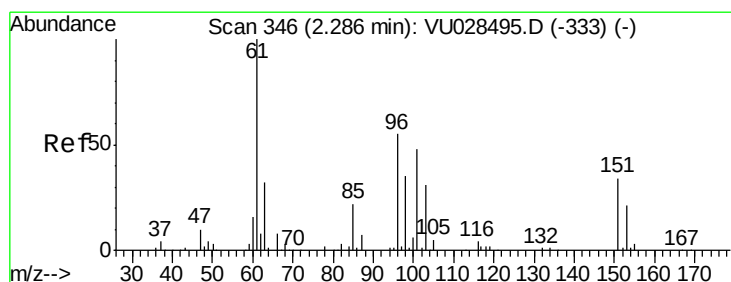
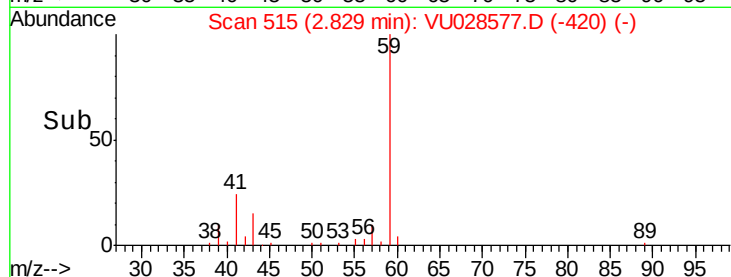
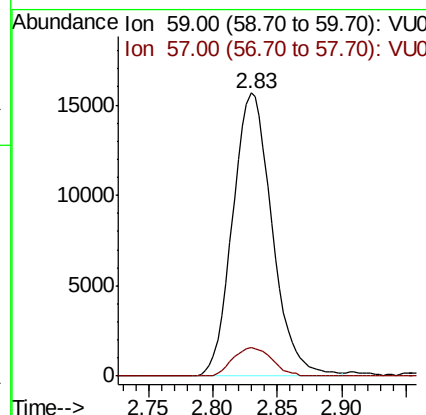
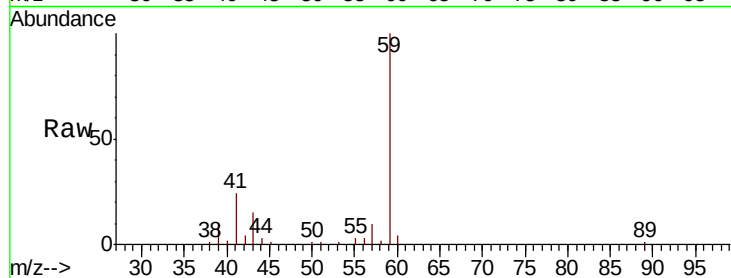
Tert butyl alcohol
Concen: 120.642 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.0	12.0

Manual Integrations
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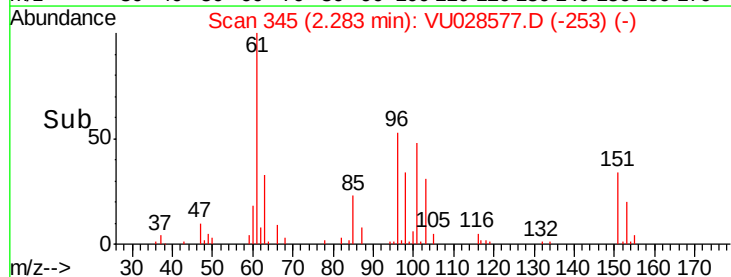
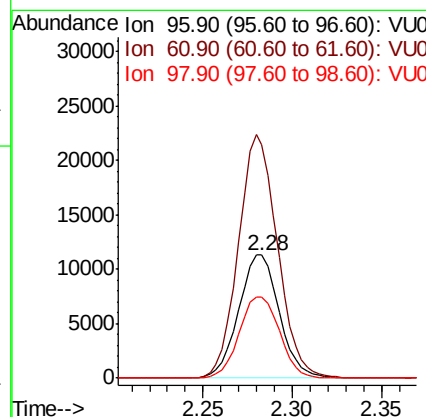
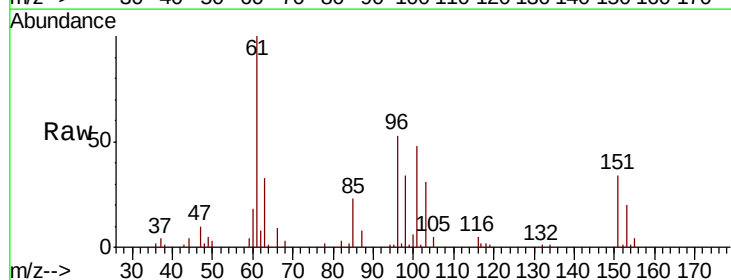
MMDadoda
12/11/2018 12:11:08 PM

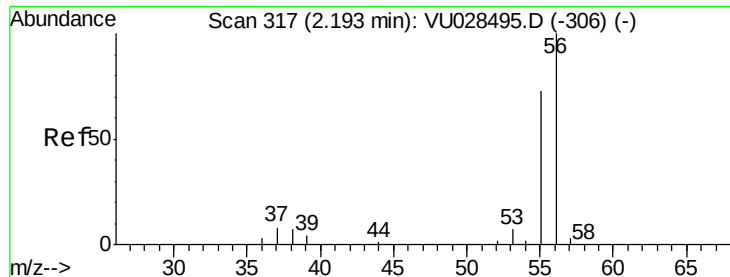


#12

1,1-Dichloroethene
Concen: 19.701 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.9	146.4	219.6
98	65.5	51.8	77.8





#13

Acrolein

Concen: 110.552 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS02

Tot Ion: 56 Resp: 24376

Ion Ratio Lower Upper

56 100

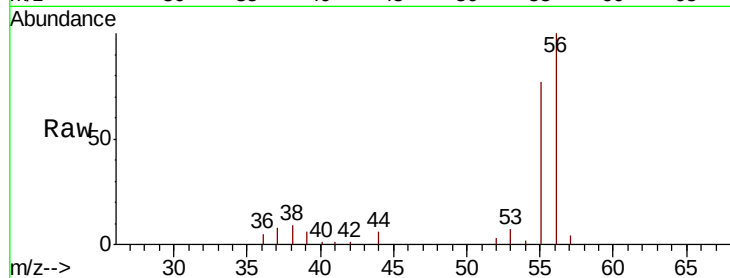
55 75.4 57.5 86.3

Manual Integrations

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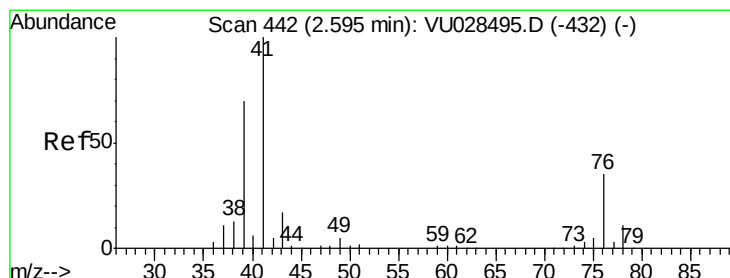
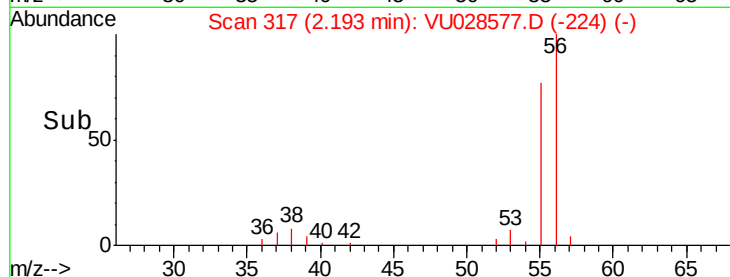
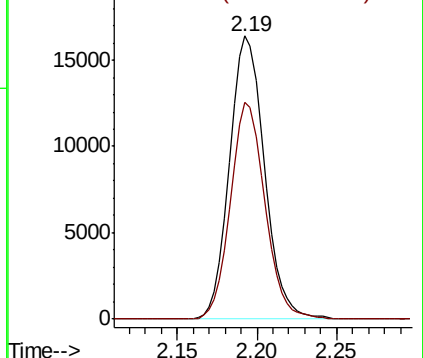
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 20.217 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

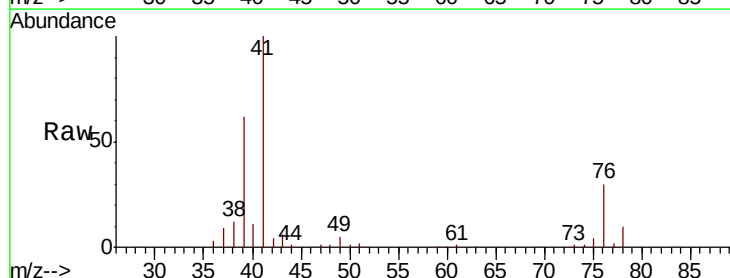
Tgt Ion: 41 Resp: 43318

Ion Ratio Lower Upper

41 100

39 64.2 50.8 76.2

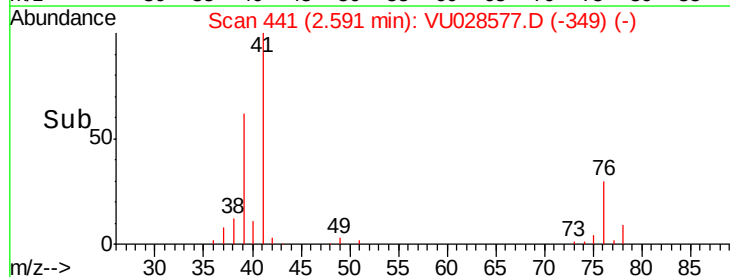
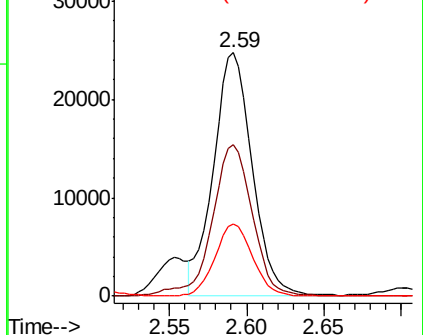
76 28.4 24.8 37.2

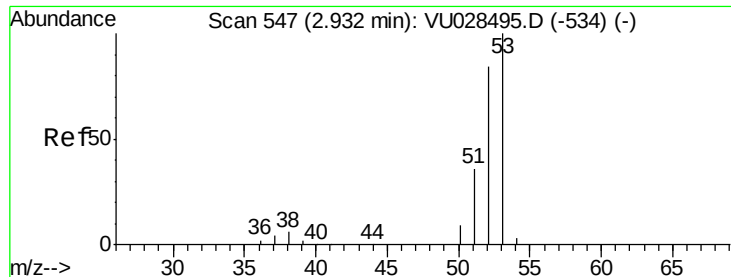


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 112.918 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

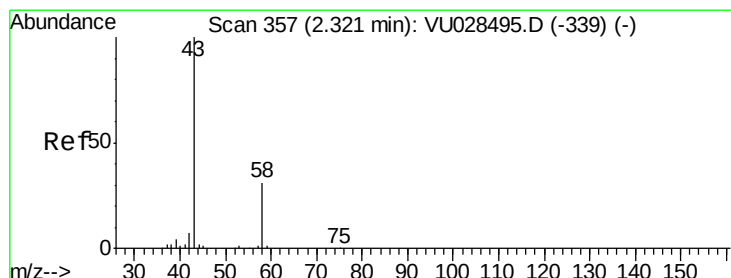
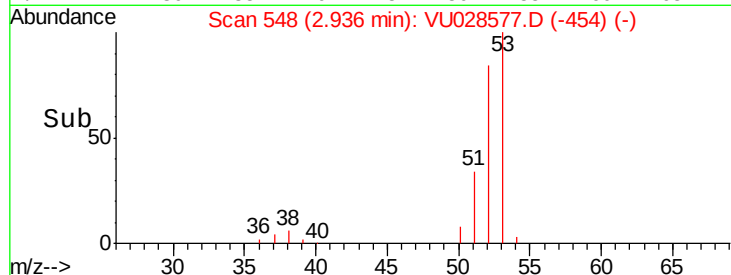
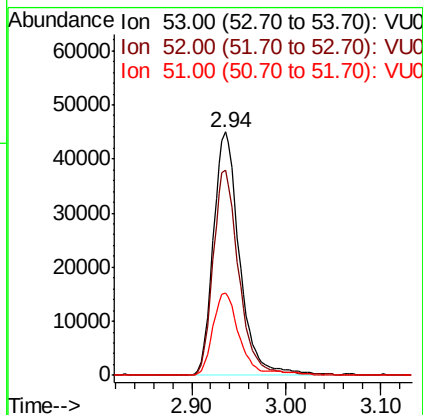
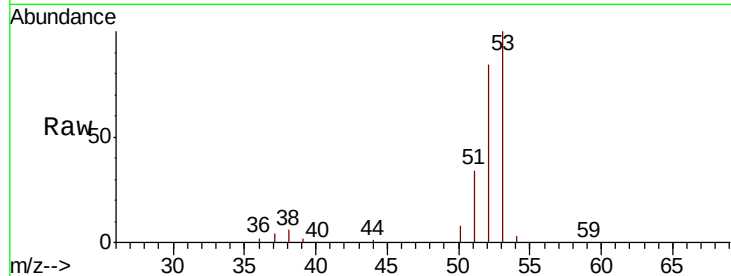
ClientSampleId :

VU1211WBS02

Tot Ion:	53	Resp:	86709
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.1	99.1
51	33.2	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 88.496 ug/l

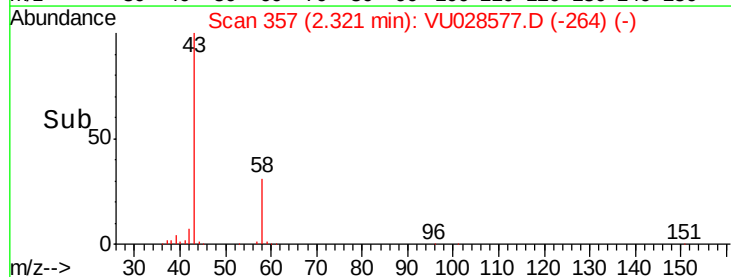
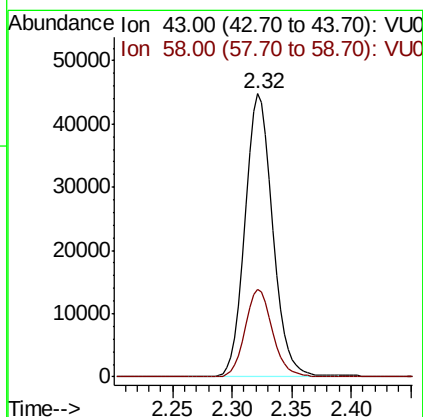
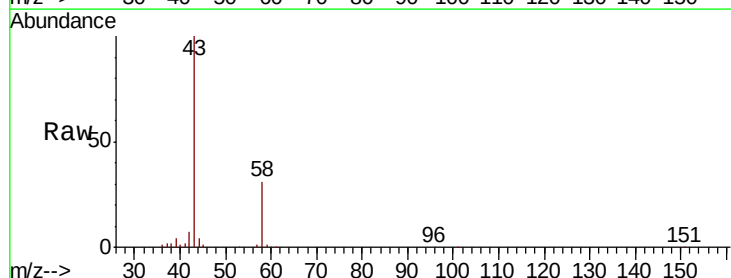
RT: 2.32 min Scan# 357

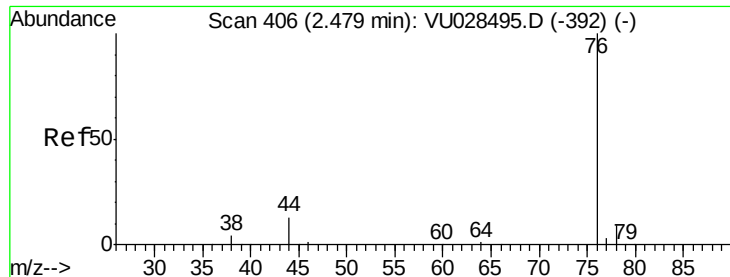
Delta R.T. -0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Tgt Ion:	43	Resp:	71690
Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.6	37.0





#17

Carbon Disulfide

Concen: 20.076 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS02

Tot Ion: 76 Resp: 65507

Ion Ratio Lower Upper

76 100

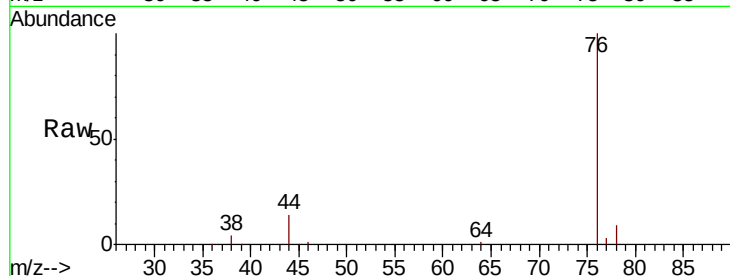
78 8.6 7.2 10.8

Manual Integrations

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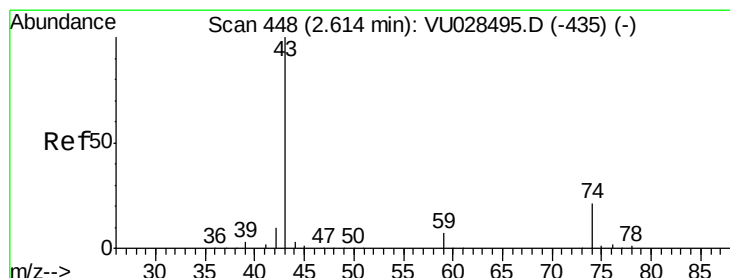
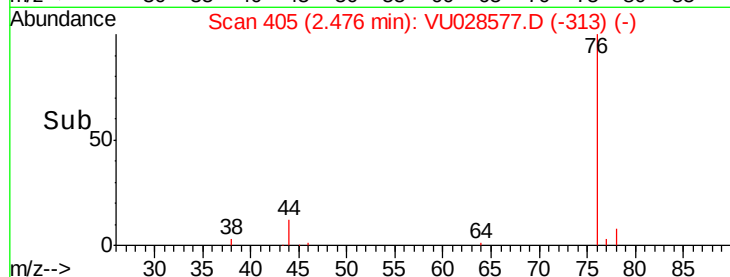
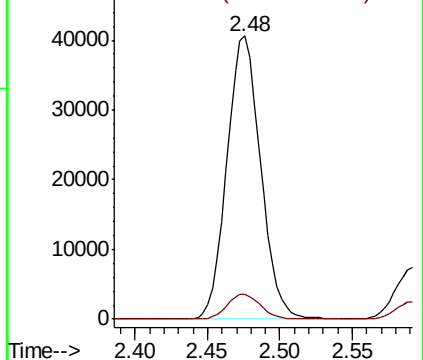
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 23.974 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU028577.D

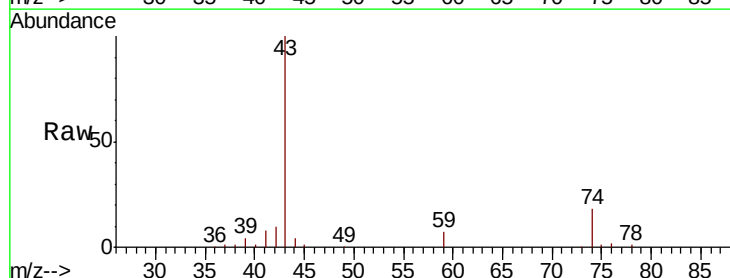
Acq: 11 Dec 2018 02:27

Tgt Ion: 43 Resp: 50344

Ion Ratio Lower Upper

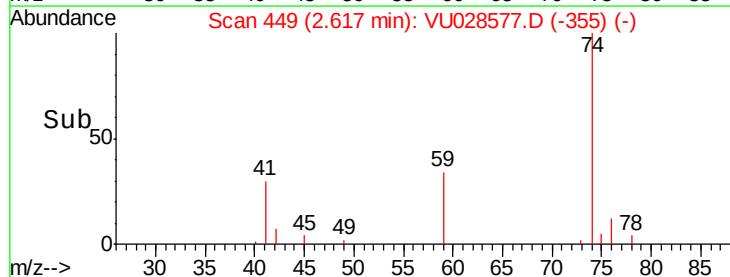
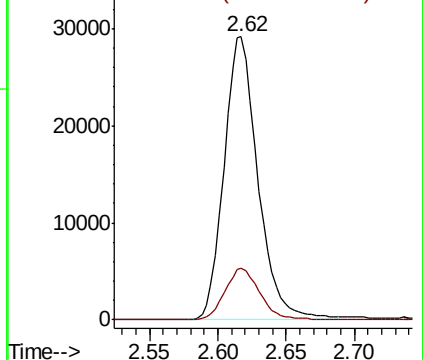
43 100

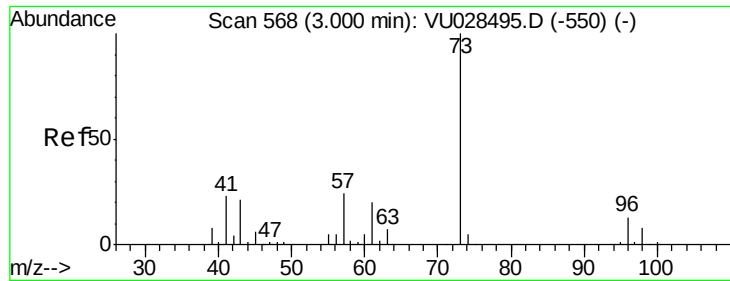
74 18.7 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





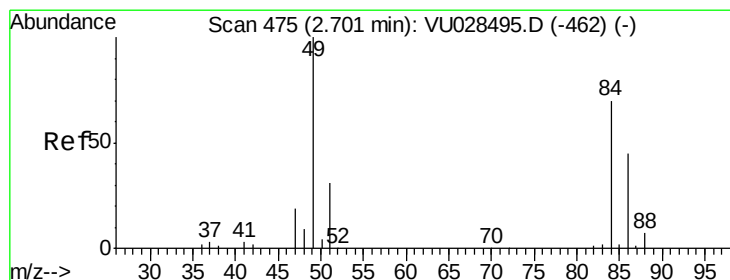
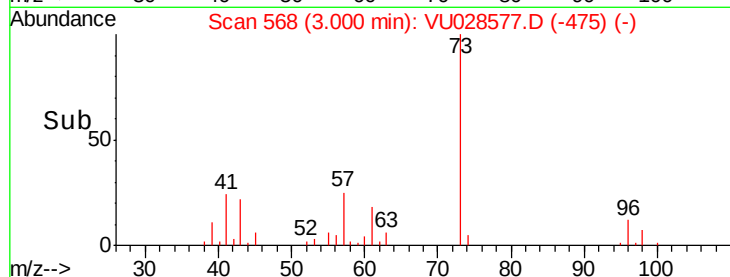
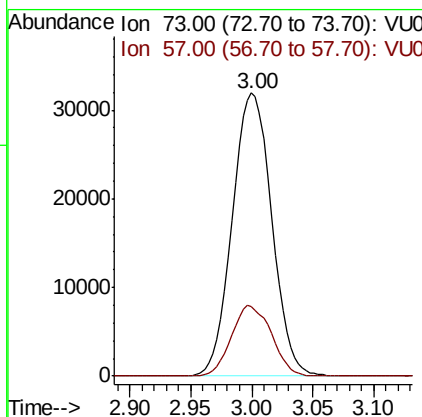
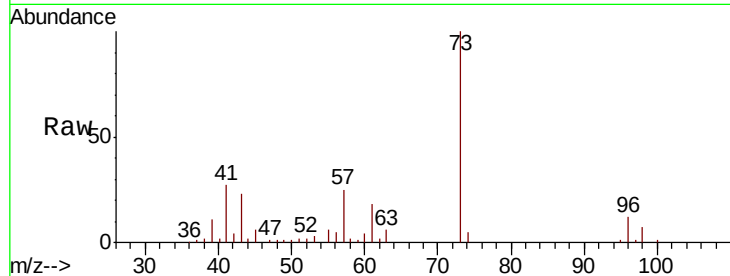
#19
Methyl tert-butyl Ether
Concen: 20.843 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion: 73 Resp: 71564
Ion Ratio Lower Upper
73 100
57 24.8 19.4 29.2

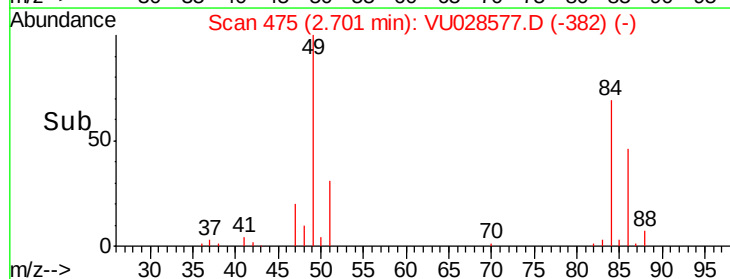
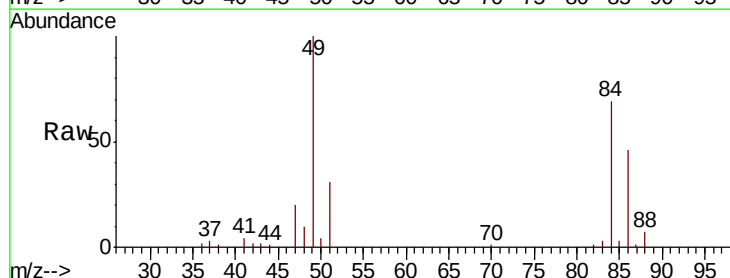
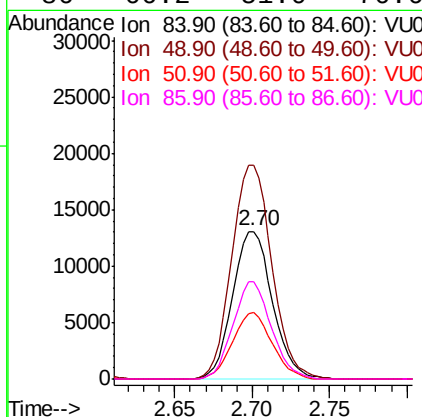
Manual Integrations
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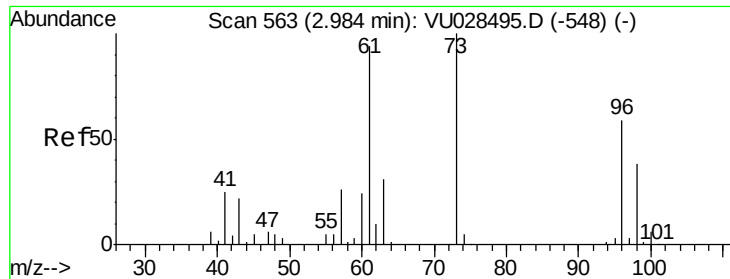
MMDadoda
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#20
Methylene Chloride
Concen: 19.563 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion: 84 Resp: 23362
Ion Ratio Lower Upper
84 100
49 144.5 114.0 171.0
51 44.8 35.1 52.7
86 66.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.032 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS02

Tot Ion: 96 Resp: 20428

Ion Ratio Lower Upper

96 100

61 161.2 127.0 190.4

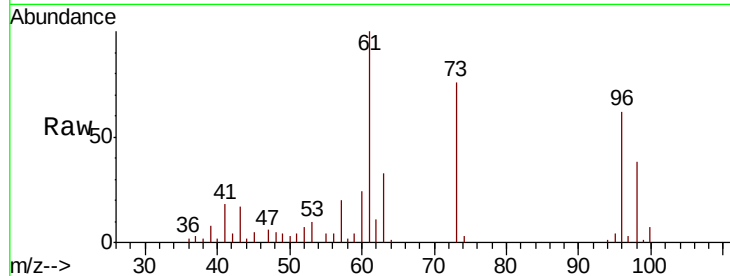
98 61.5 51.9 77.9

Manual Integrations

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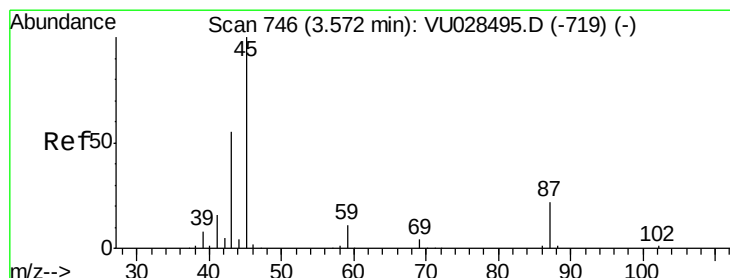
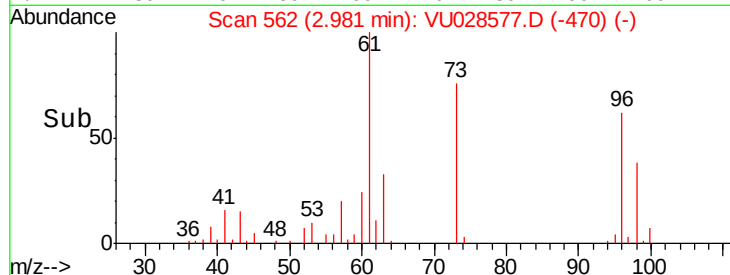
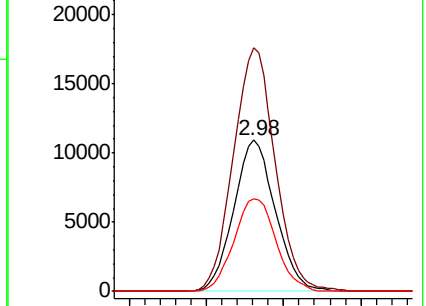
12/11/2018 12:11:08 PM



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 21.766 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Tgt Ion: 45 Resp: 90694

Ion Ratio Lower Upper

45 100

43 56.5 45.3 67.9

87 20.9 17.6 26.4

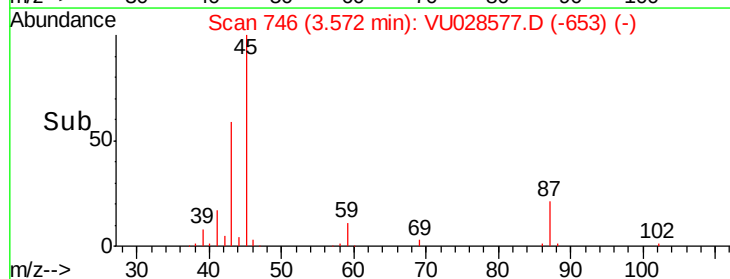
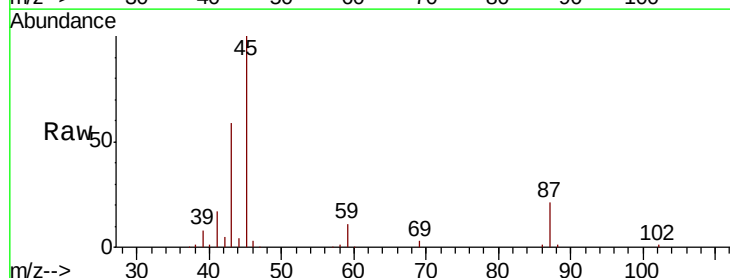
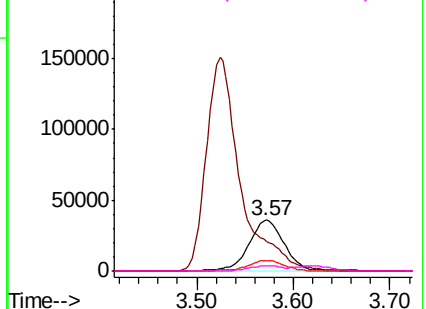
59 10.7 8.8 13.2

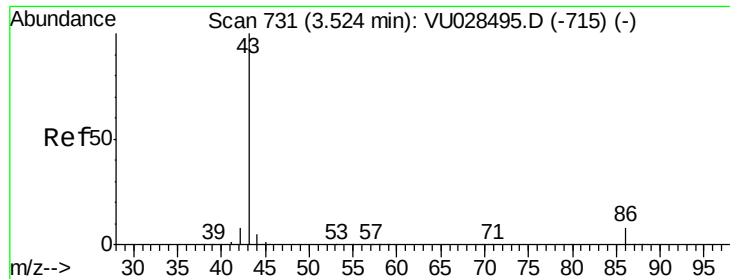
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 107.339 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Tot Ion: 43 Resp: 368913

Ion Ratio Lower Upper

43 100

86 8.1 6.8 10.2

Instrument :

MSVOA_U

ClientSampleId :

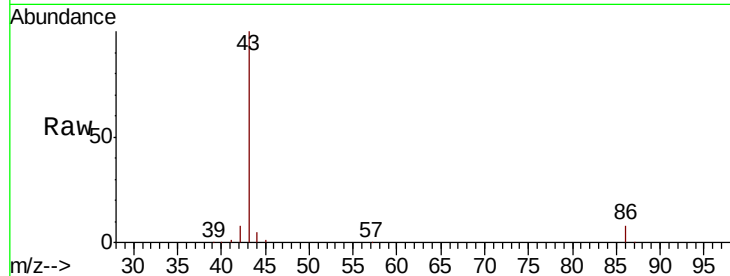
VU1211WBS02

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

150000

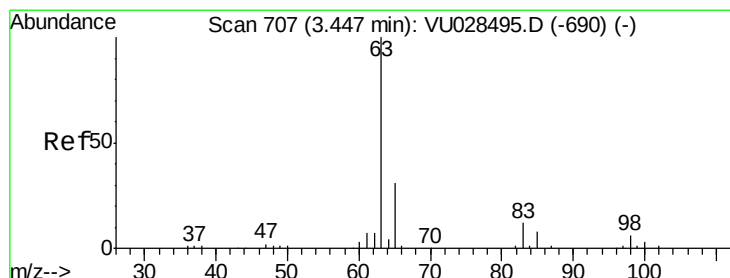
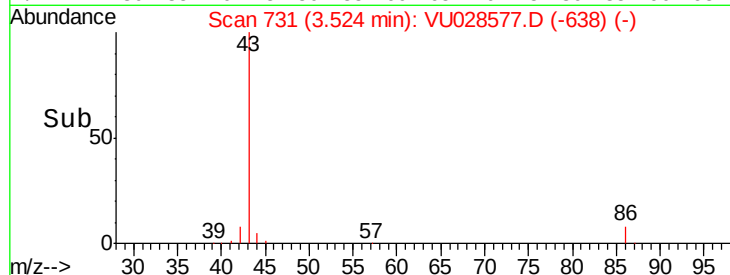
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 20.928 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

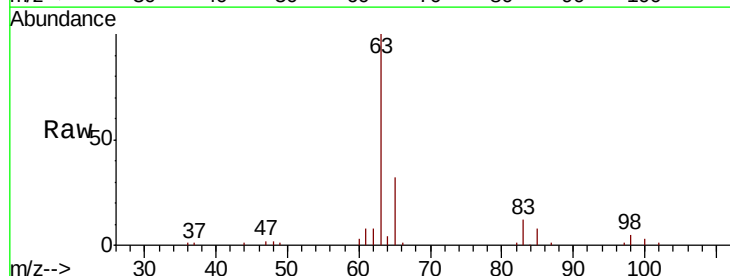
Tgt Ion: 63 Resp: 45647

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

100 3.5 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

25000

20000

15000

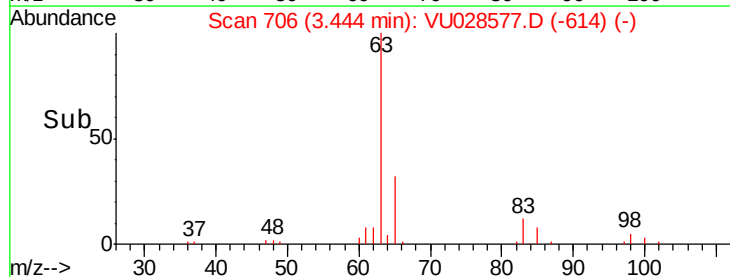
10000

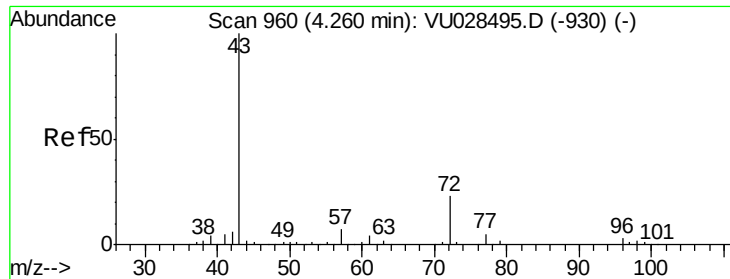
5000

0

3.35 3.40 3.45 3.50 3.55

Time-->





#25

2-Butanone

Concen: 108.806 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS02

Tot Ion: 43 Resp: 120457

Ion Ratio Lower Upper

43 100

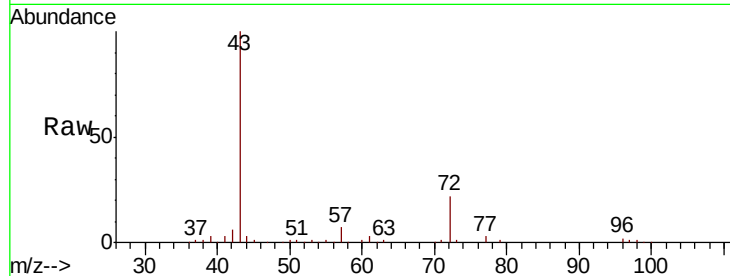
72 22.1 18.6 28.0

Manual Integrations

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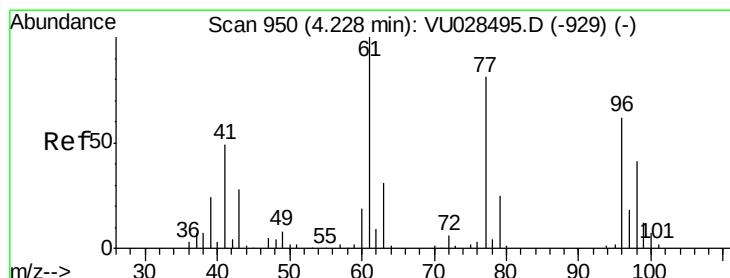
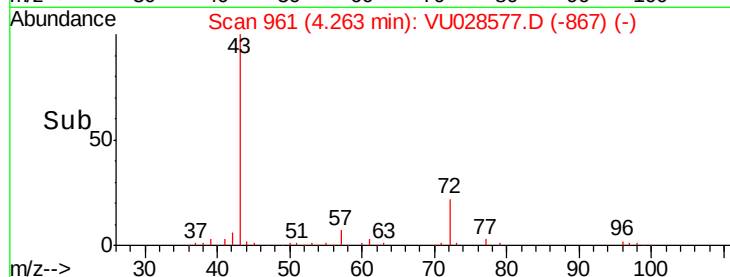
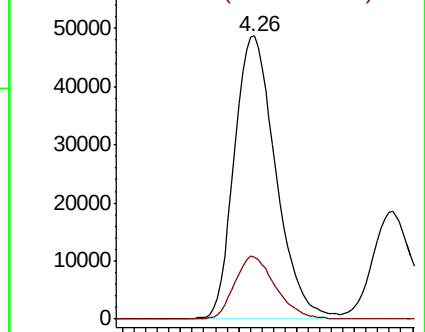
MMDadoda

12/11/2018 12:11:08 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 16.947 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028577.D

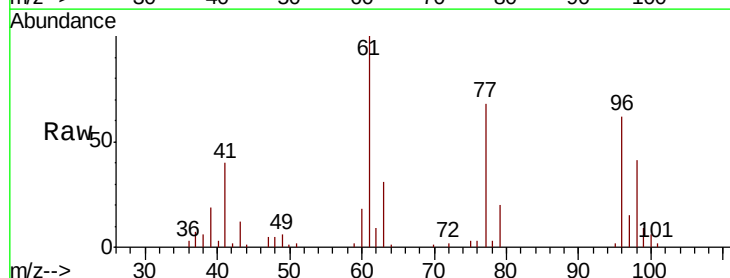
Acq: 11 Dec 2018 02:27

Tgt Ion: 77 Resp: 29288

Ion Ratio Lower Upper

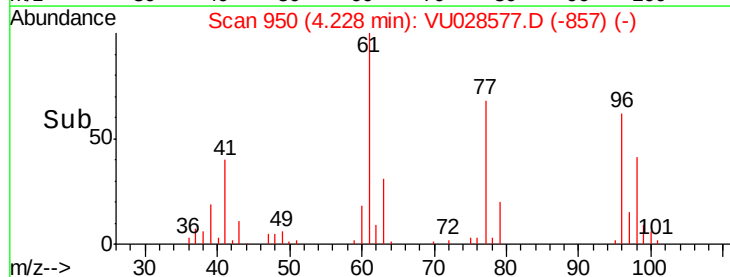
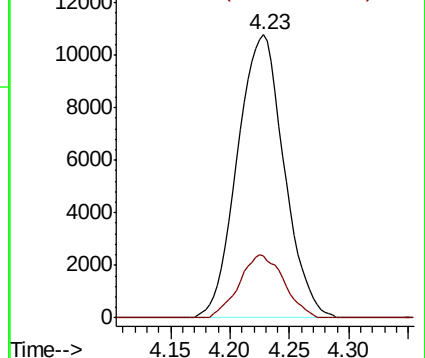
77 100

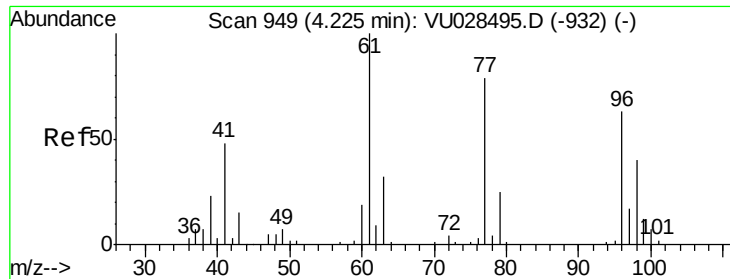
97 21.3 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

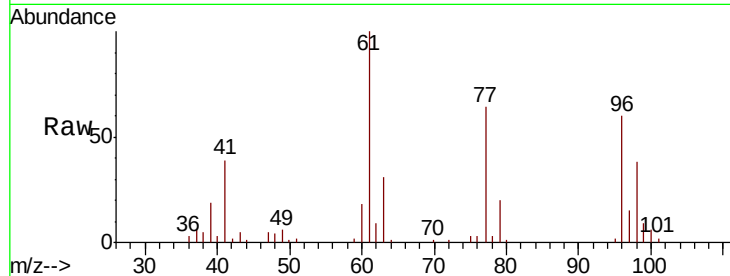
cis-1,2-Dichloroethene
Concen: 20.644 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	23828		
61	165.6		0.0	332.4
98	63.8		0.0	129.0

Manual Integrations
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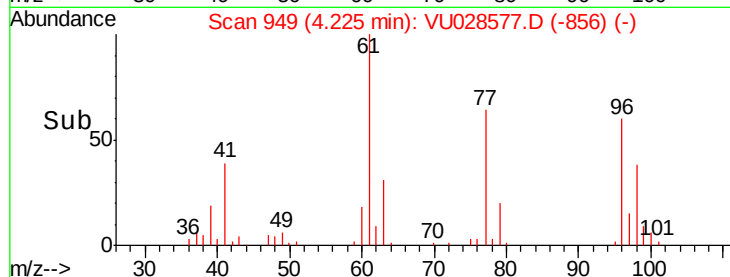
Abundance

Ion 95.90 (95.60 to 96.60): VU0

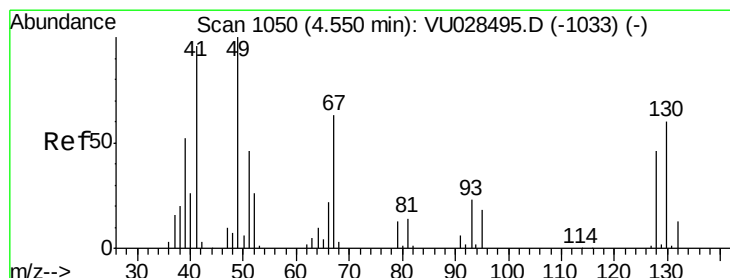
Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Time-->



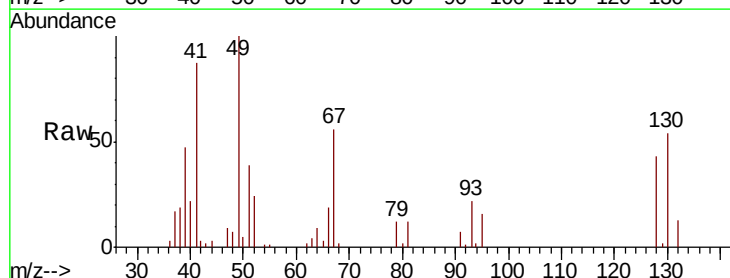
Time-->



#28

Bromochloromethane
Concen: 25.489 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	25273		
129	1.2		0.0	3.0
130	55.9		47.8	71.8



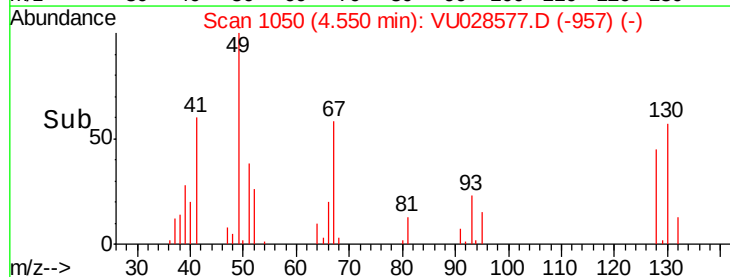
Abundance

Ion 48.90 (48.60 to 49.60): VU0

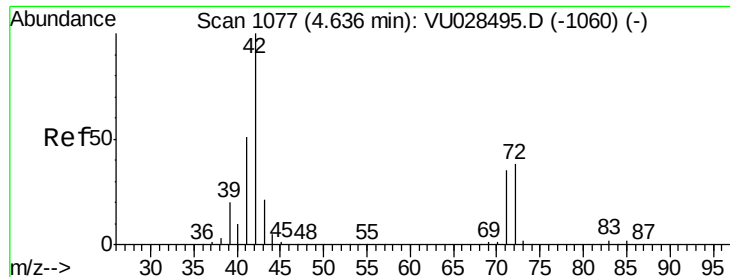
Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

Time-->



Time-->



#29

Tetrahydrofuran

Concen: 118.419 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

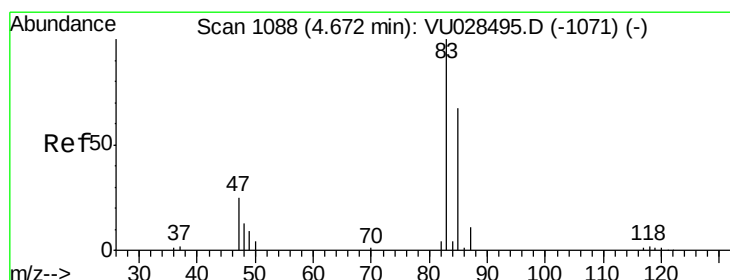
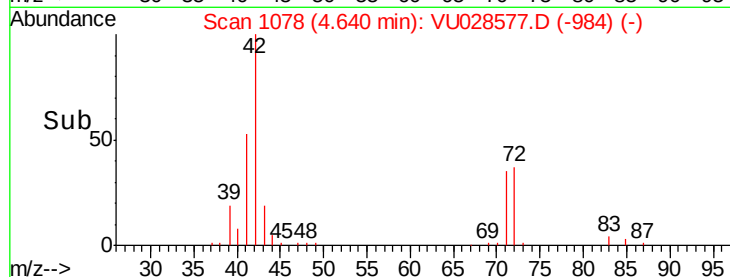
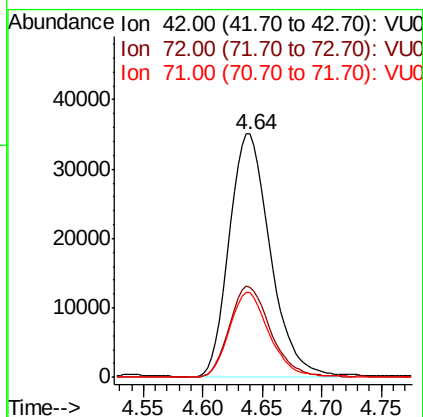
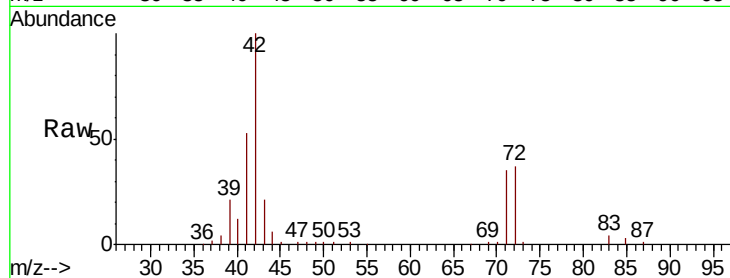
ClientSampleId :

VU1211WBS02

Tot Ion:	42	Resp:	84197
Ion	Ratio	Lower	Upper
42	100		
72	37.5	31.4	47.0
71	33.9	28.6	43.0

Manual Integrations
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#30

Chloroform

Concen: 21.173 ug/l

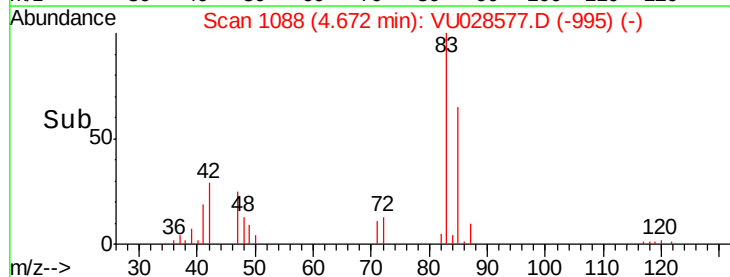
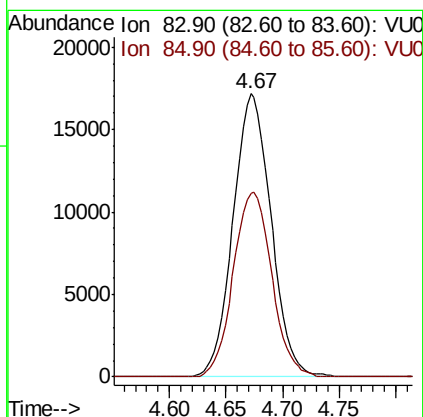
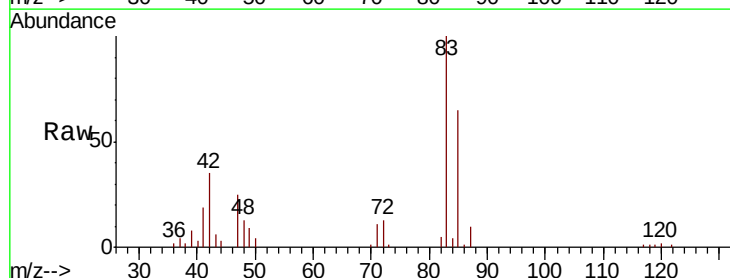
RT: 4.67 min Scan# 1088

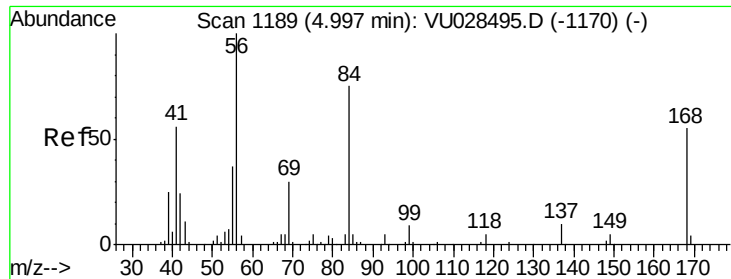
Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Tgt Ion:	83	Resp:	40250
Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.6	80.4





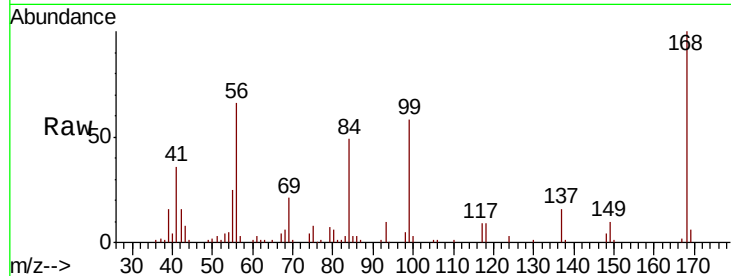
#31
Cyclohexane
Concen: 20.824 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	24.0	36.0
84	73.7	59.7	89.5

Manual Integrations
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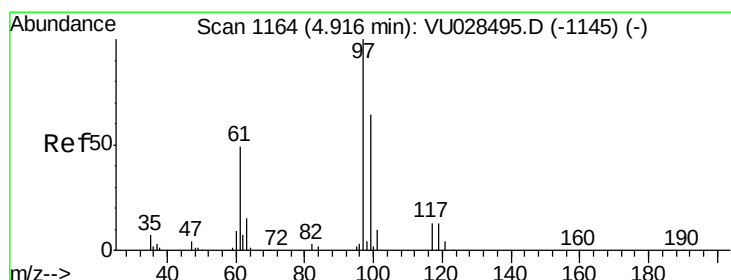
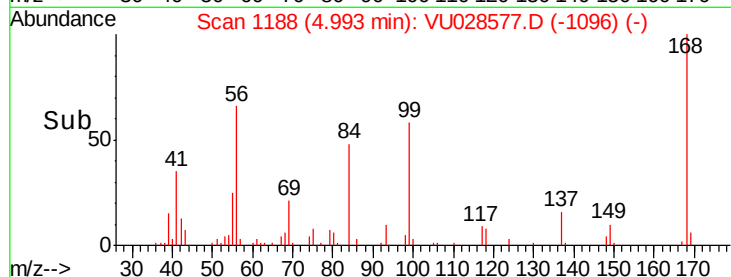
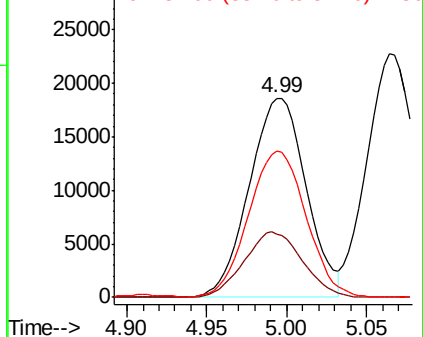


Abundance

Ion 56.00 (55.70 to 56.70): VU0

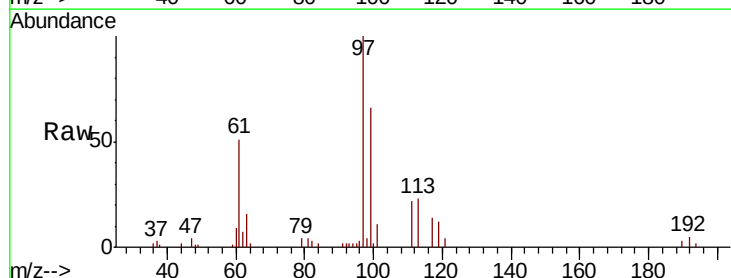
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32
1,1,1-Trichloroethane
Concen: 20.707 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	52.3	78.5
61	50.4	39.0	58.6

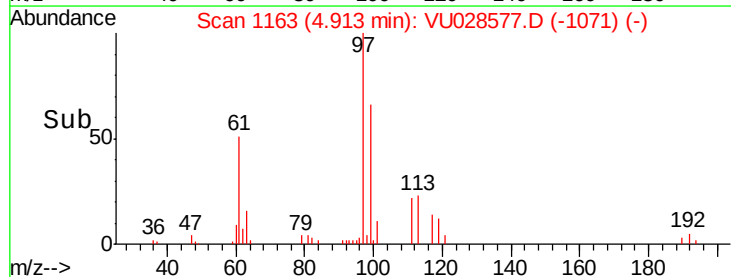
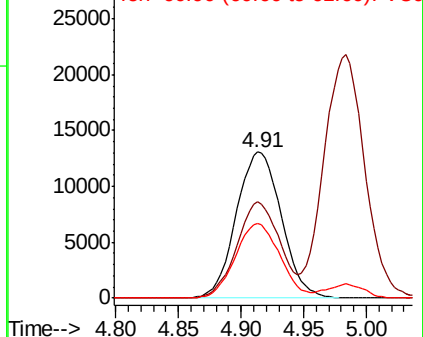


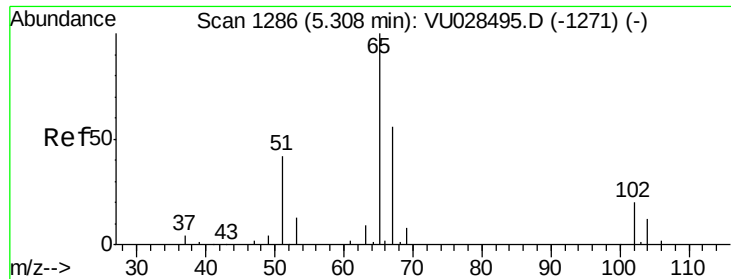
Abundance

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





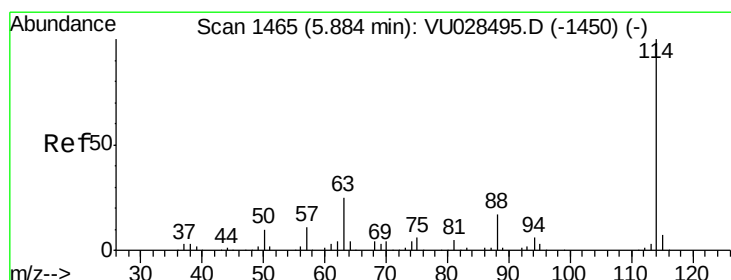
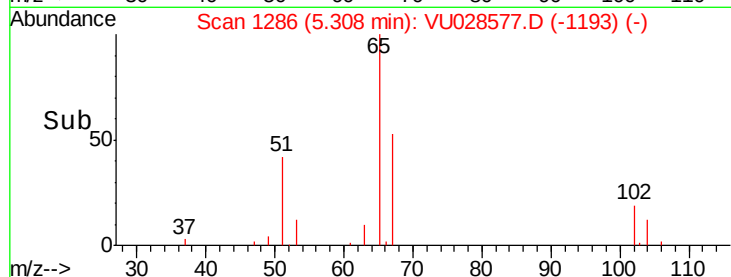
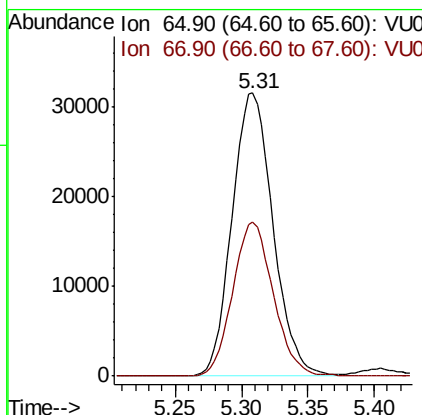
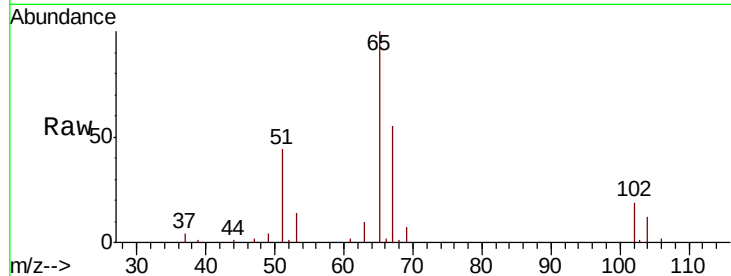
#33
 1,2-Dichloroethane-d4
 Concen: 54.600 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	110.6

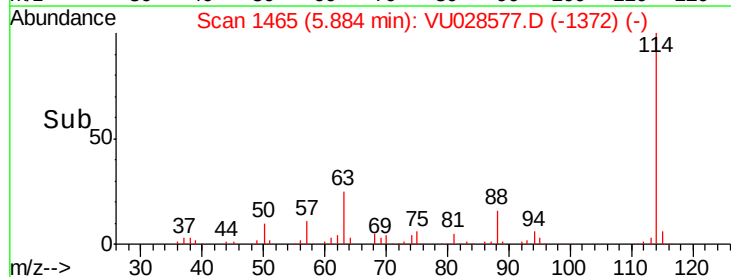
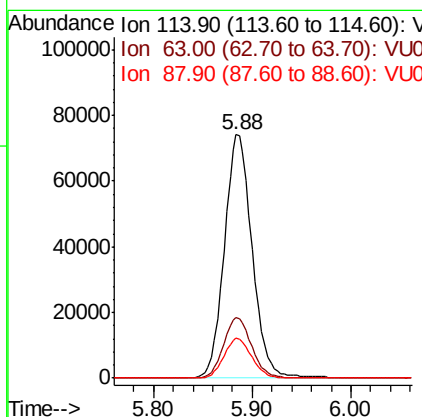
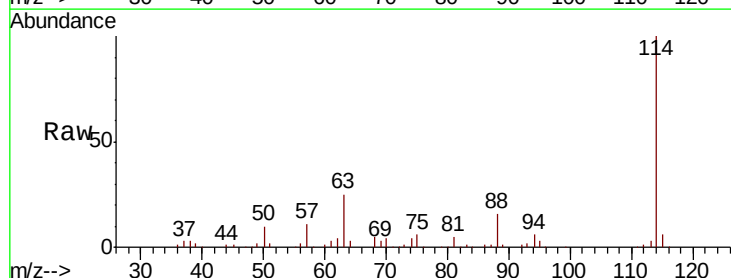
Manual Integrations
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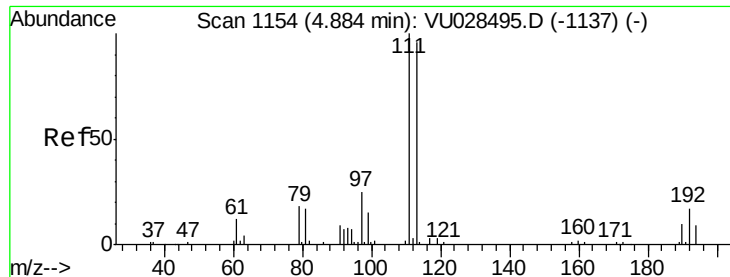
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	49.2
88	16.3	0.0	33.4





#35

Dibromofluoromethane

Concen: 52.450 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

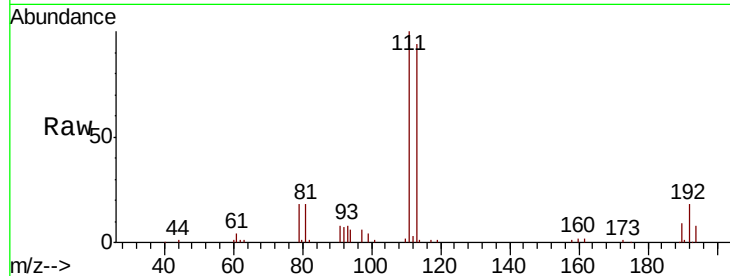
ClientSampleId :

VU1211WBS02

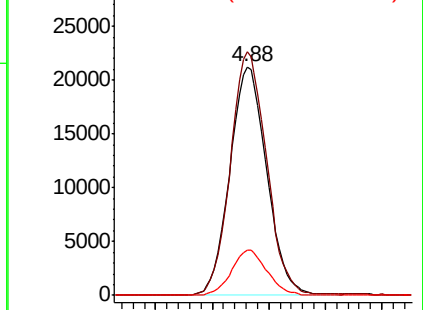
Tot Ion:	113	Resp:	48196
Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.4	125.0
192	18.8	14.8	22.2

Manual Integrations
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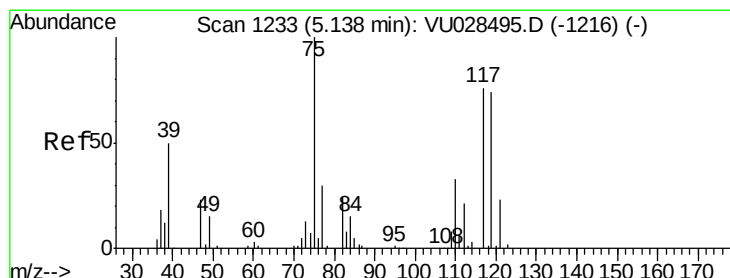
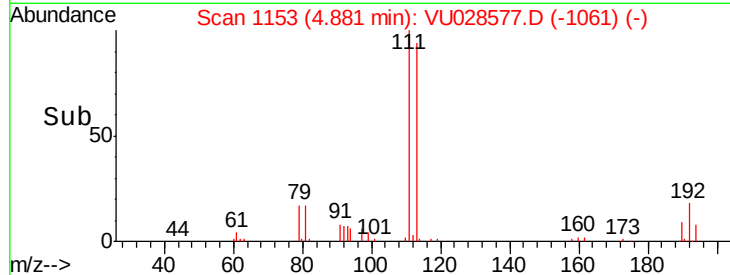
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12/11/2018 12:11:08 PM



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



Time-->



#36

1,1-Dichloropropene

Concen: 19.391 ug/l

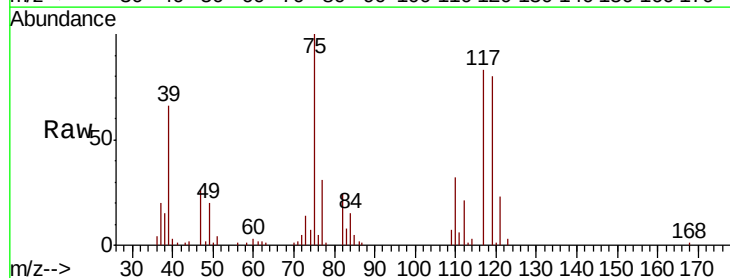
RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

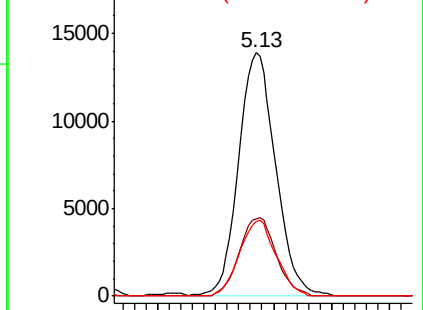
Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

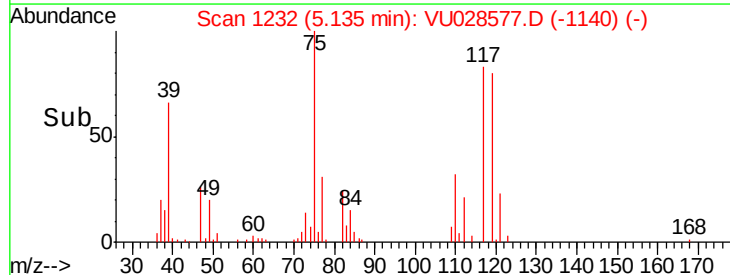
Tgt Ion:	75	Resp:	30983
Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.1	48.2
77	30.4	24.5	36.7

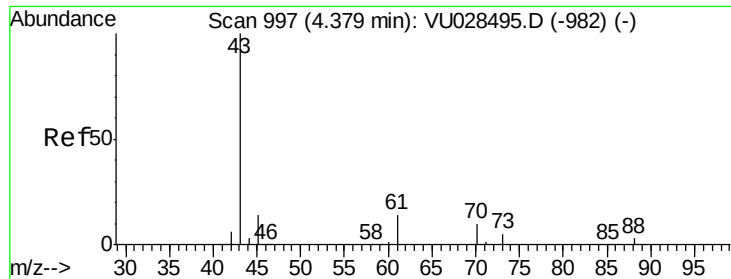


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0



Time-->





#37

Ethyl Acetate

Concen: 21.810 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

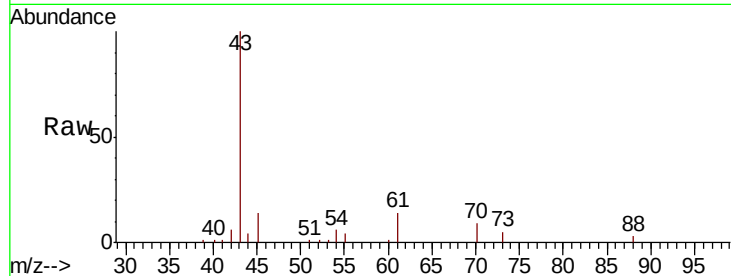
ClientSampleId :

VU1211WBS02

Tot Ion:	43	Resp:	45050
Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.0	16.4
70	8.4	7.4	11.0

Manual Integrations
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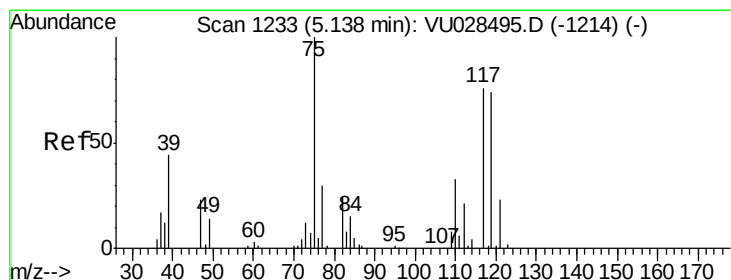
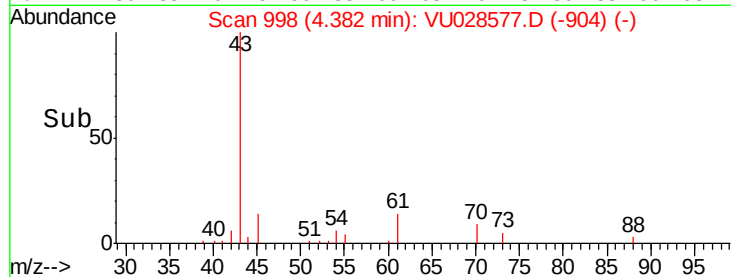
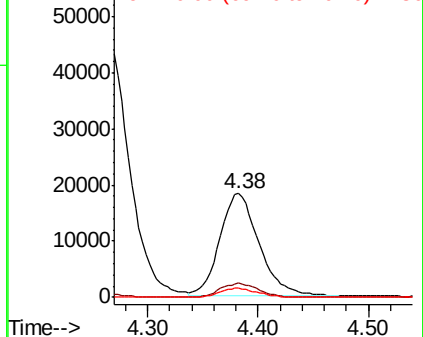


Abundance

Ion 43.00 (42.70 to 43.70): VU028495.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028495.D (-982) (-)



#38

Carbon Tetrachloride

Concen: 20.336 ug/l

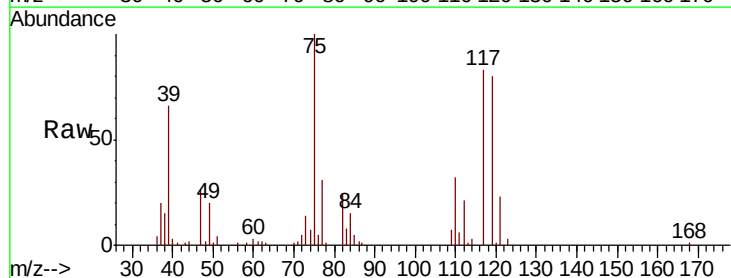
RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Tgt Ion:	117	Resp:	26190
Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.6	116.4
121	27.2	24.6	36.8

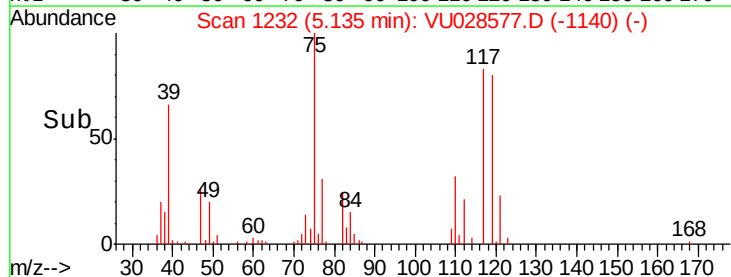
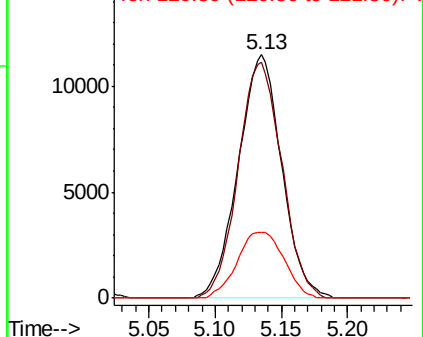


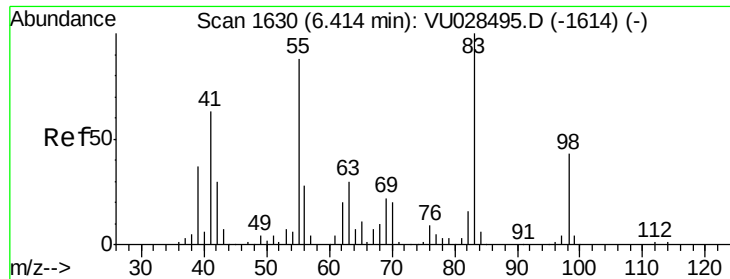
Abundance

Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)





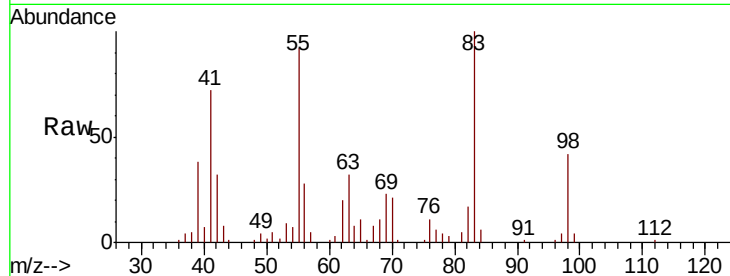
#39
Methylvlcyclohexane
Concen: 18.268 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.6	70.2	105.2
98	42.3	34.2	51.4

Manual Integrations
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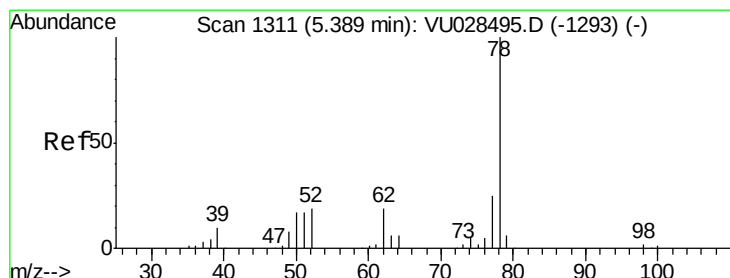
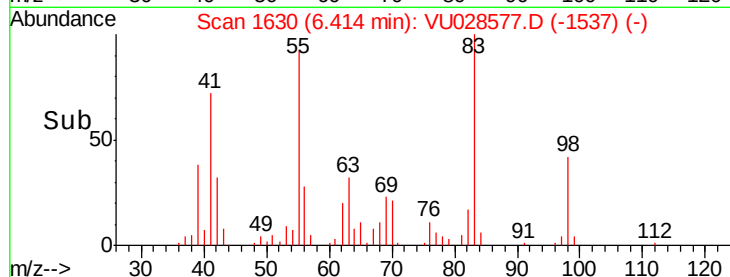
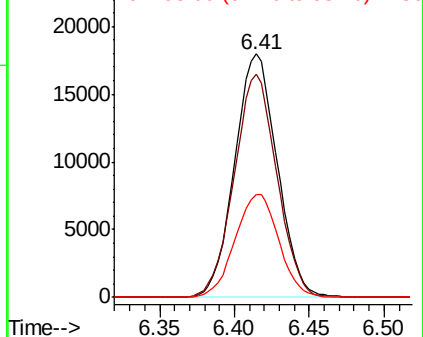


Abundance

Ion 83.00 (82.70 to 83.70): VU028495.D (-1614) (-)

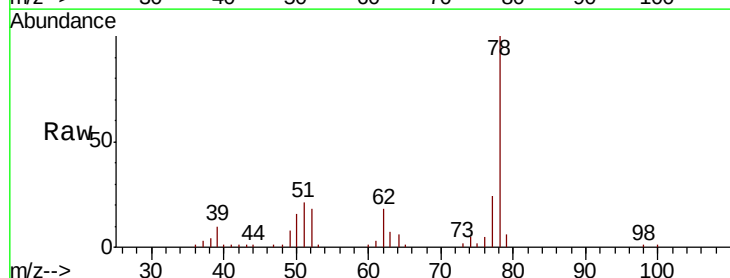
Ion 55.00 (54.70 to 55.70): VU028495.D (-1614) (-)

Ion 98.00 (97.70 to 98.70): VU028495.D (-1614) (-)



#40
Benzene
Concen: 20.293 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

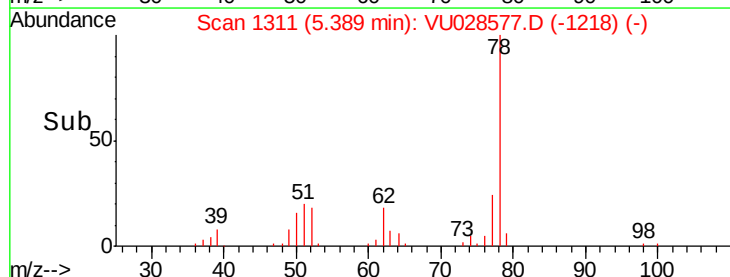
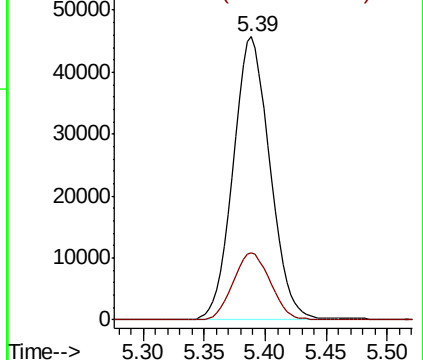
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.9	29.9

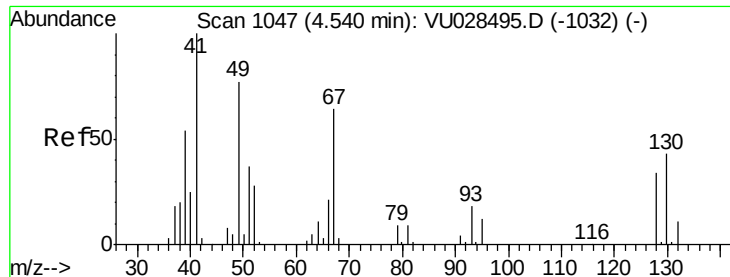


Abundance

Ion 78.00 (77.70 to 78.70): VU028495.D (-1293) (-)

Ion 77.00 (76.70 to 77.70): VU028495.D (-1293) (-)





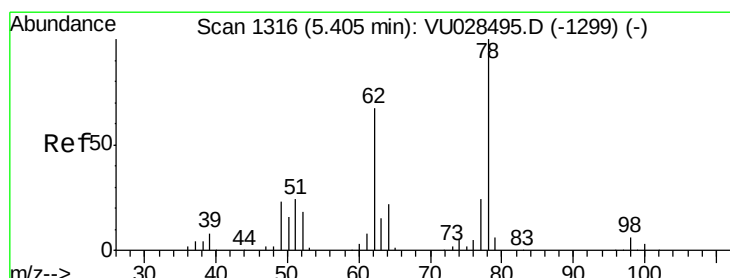
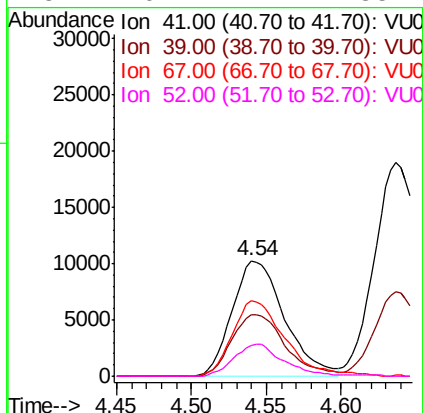
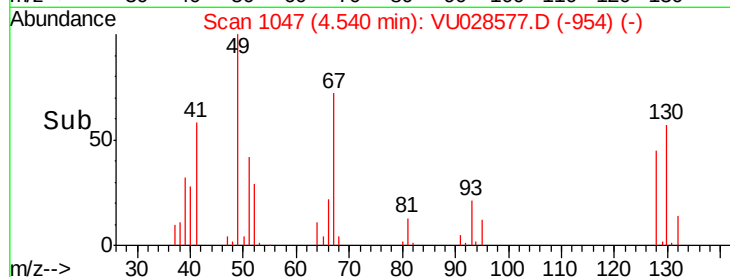
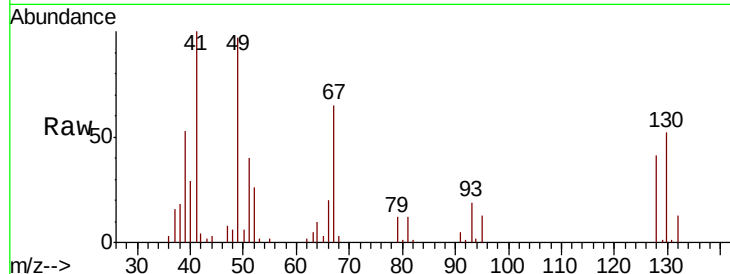
#41
Methacrylonitrile
Concen: 22.112 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.6	43.3	64.9
67	65.3	53.6	80.4
52	26.4	22.1	33.1

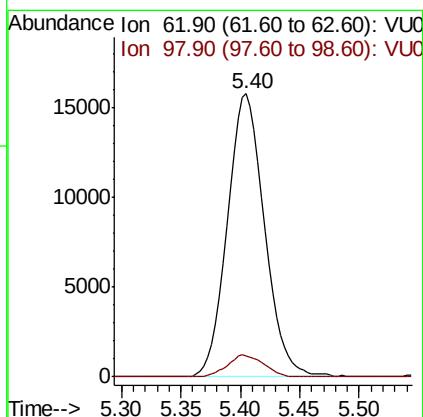
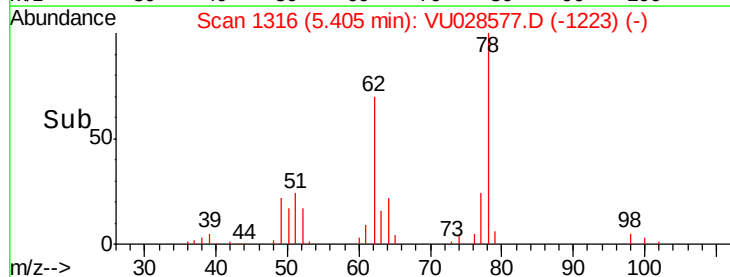
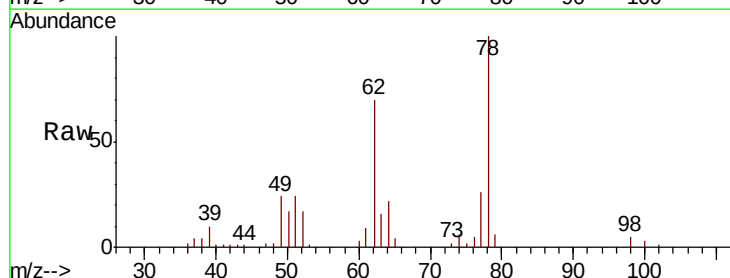
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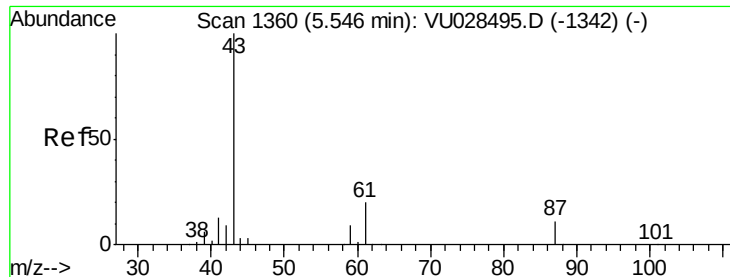
MMDadoda
12/11/2018 12:11:08 PM



#42
1,2-Dichloroethane
Concen: 20.702 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	17.2





#43

Isopropyl Acetate

Concen: 21.784 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

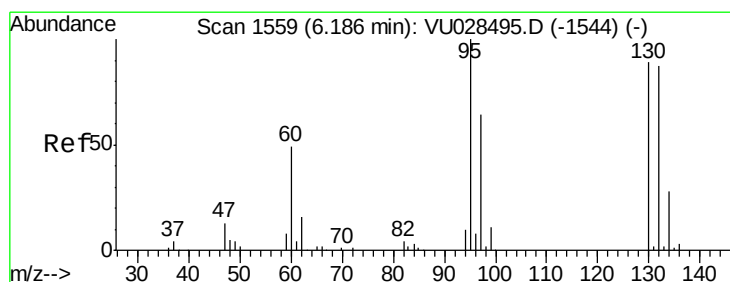
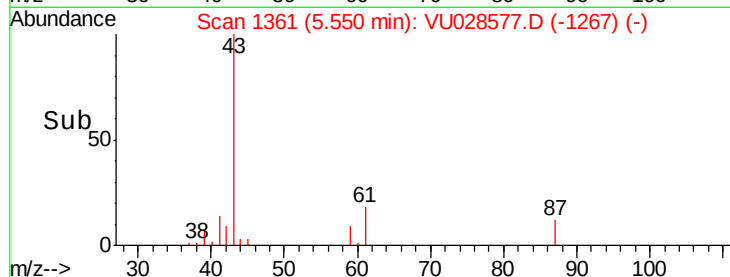
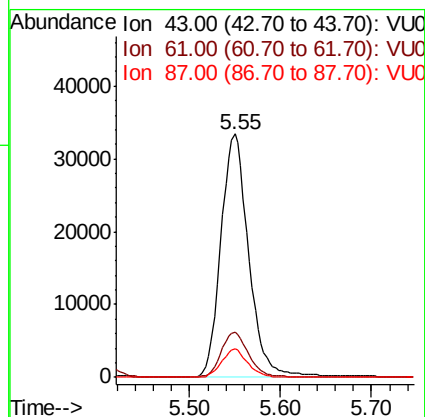
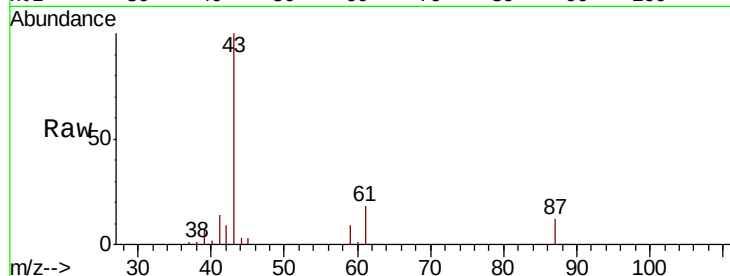
ClientSampleId :

VU1211WBS02

Tot Ion:	43	Resp:	71171
Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.5	23.3
87	10.7	8.7	13.1

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12/11/2018 12:11:08 PM



#44

Trichloroethene

Concen: 19.791 ug/l

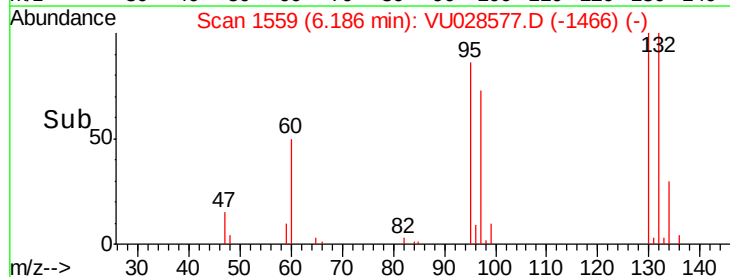
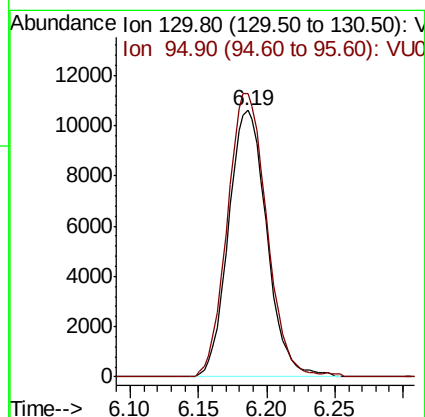
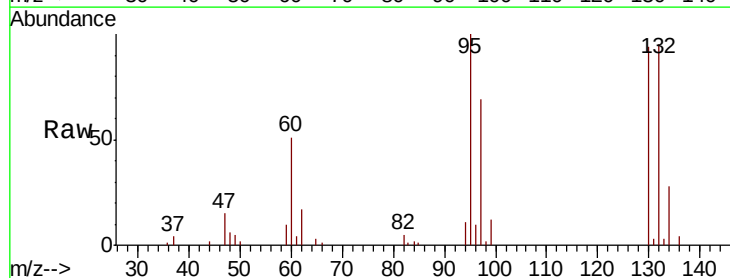
RT: 6.19 min Scan# 1559

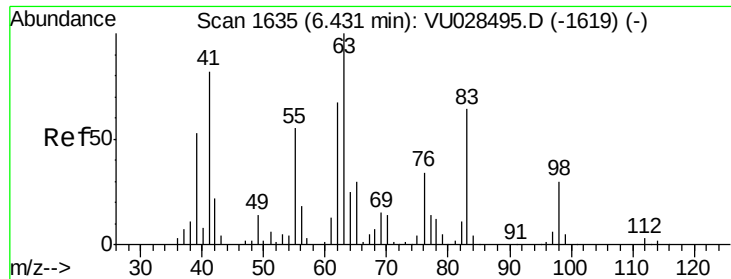
Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Tgt Ion:	130	Resp:	20709
Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	224.0





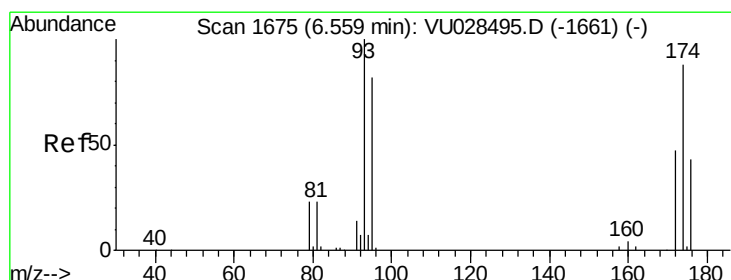
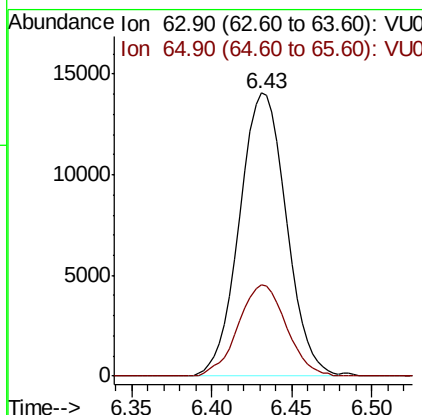
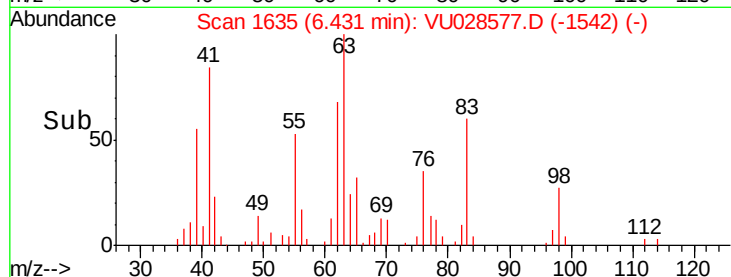
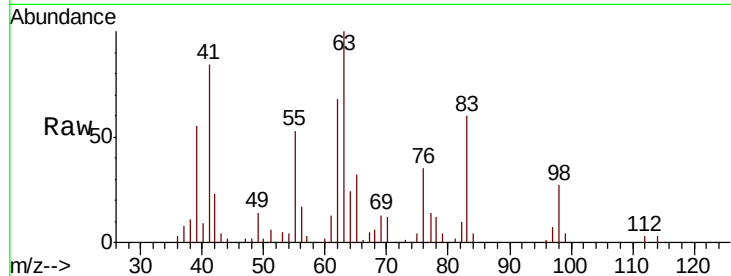
#45
 1,2-Dichloropropane
 Concen: 21.328 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

Tot Ion: 63 Resp: 28225
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.2 36.4

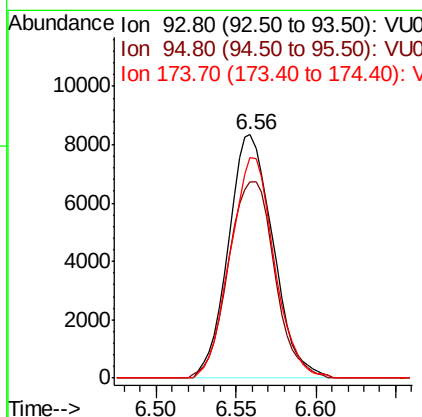
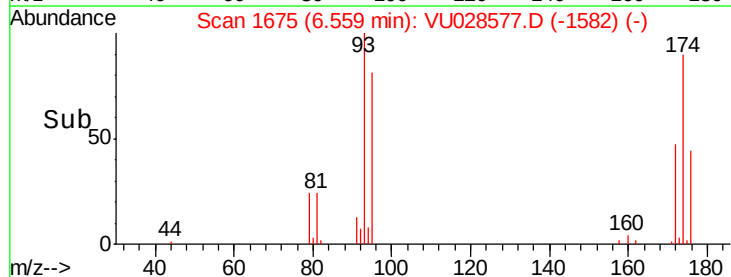
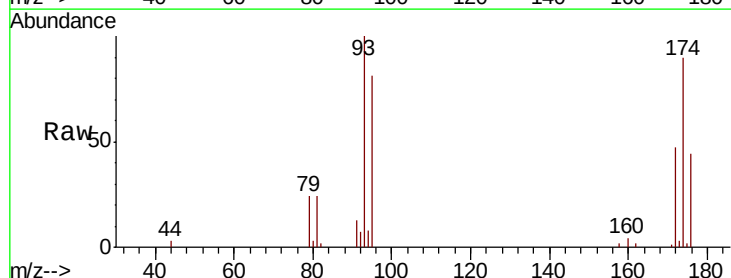
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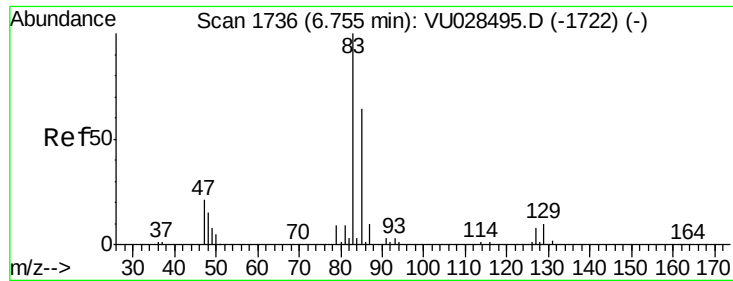
MMDadoda
 12/11/2018 12:11:08 PM



#46
 Dibromomethane
 Concen: 20.251 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Tgt Ion: 93 Resp: 15901
 Ion Ratio Lower Upper
 93 100
 95 84.0 65.4 98.2
 174 89.4 72.2 108.4





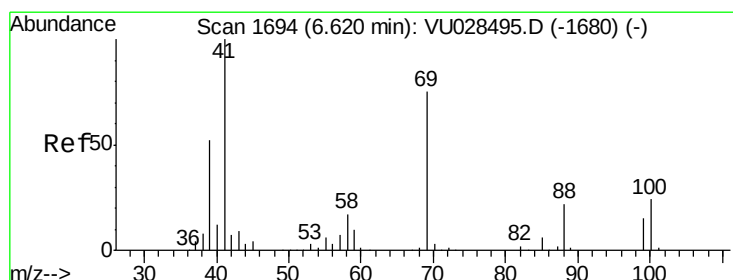
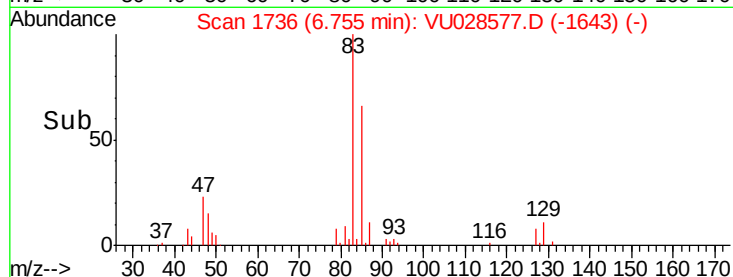
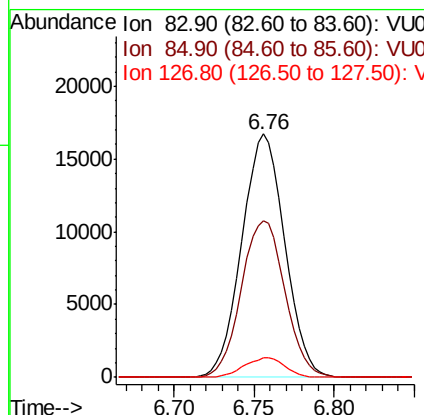
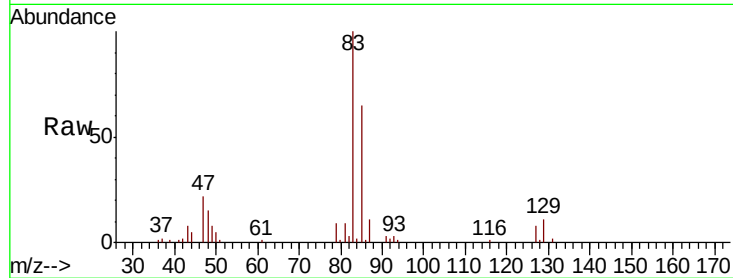
#47
Bromodichloromethane
Concen: 20.157 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion	83	Resp	30799
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	51.5	77.3
127	7.8	6.2	9.4

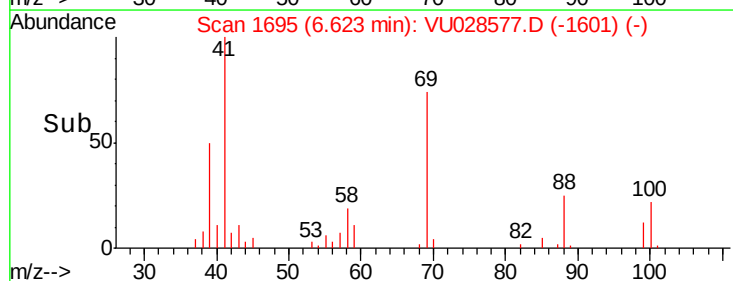
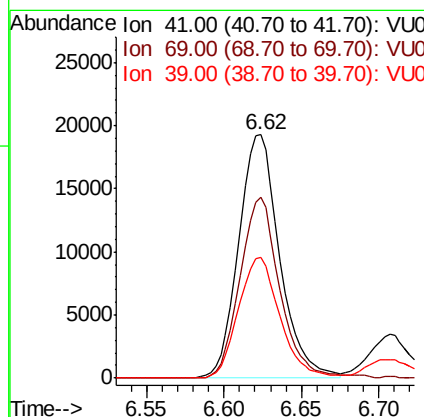
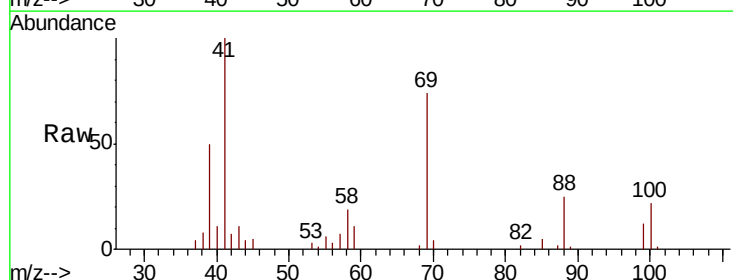
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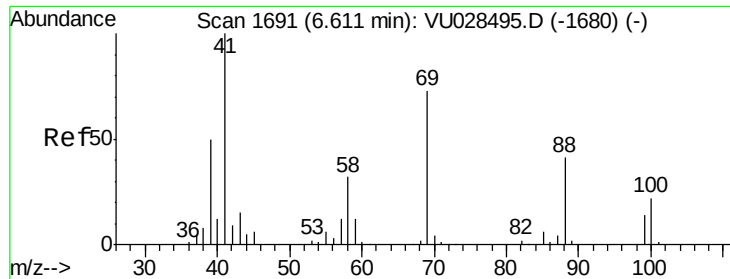
MMDadoda
12/11/2018 12:11:08 PM



#48
Methyl methacrylate
Concen: 21.881 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion	41	Resp	35550
Ion Ratio	100	Lower	Upper
41	100		
69	72.4	60.4	90.6
39	50.2	41.1	61.7





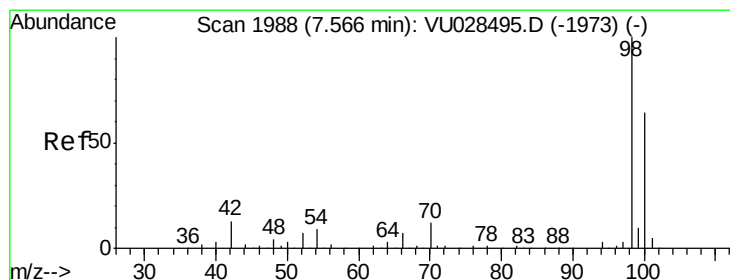
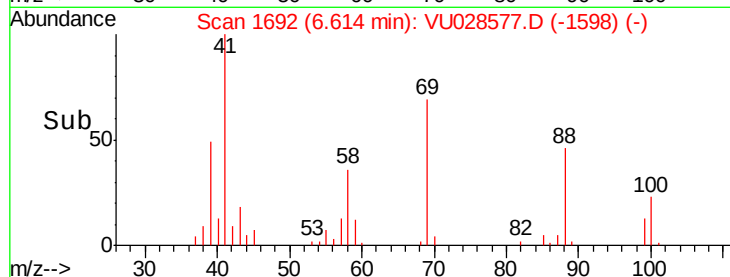
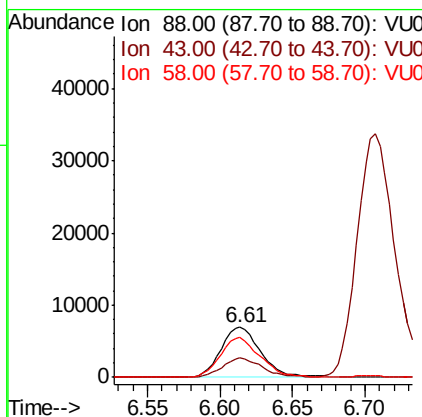
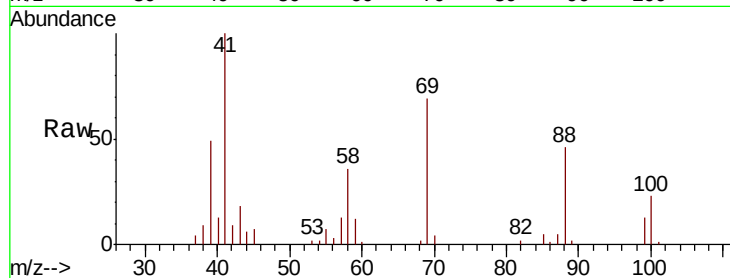
#49
1,4-Dioxane
Concen: 512.712 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.1	30.9	46.3
58	80.3	62.4	93.6

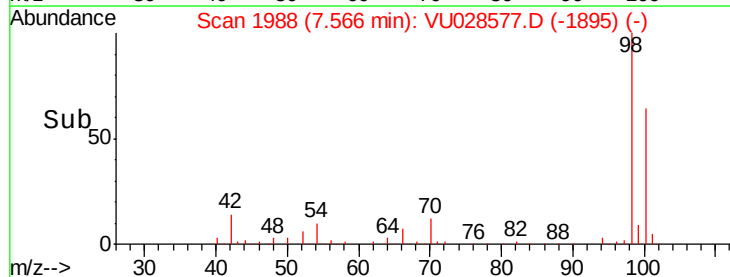
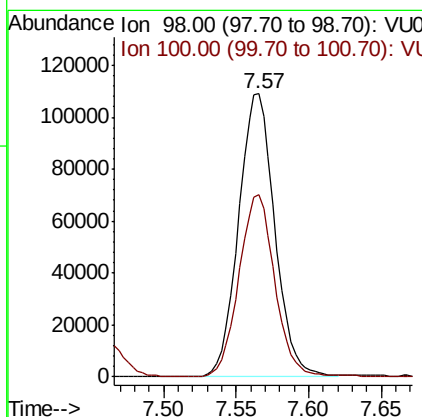
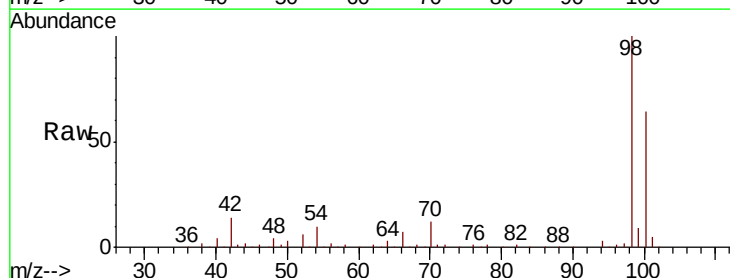
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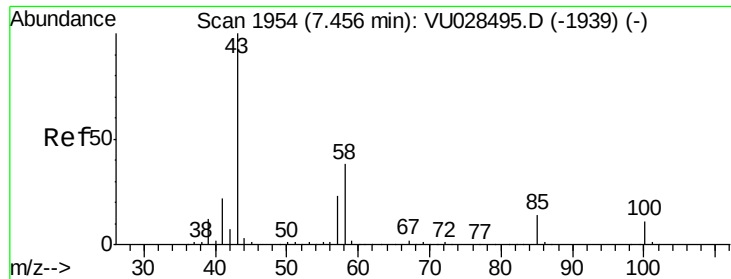
MMDadoda
12/11/2018 12:11:08 PM



#50
Toluene-d8
Concen: 52.054 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 110.006 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS02

Tot Ion: 43 Resp: 226676

Ion Ratio Lower Upper

43 100

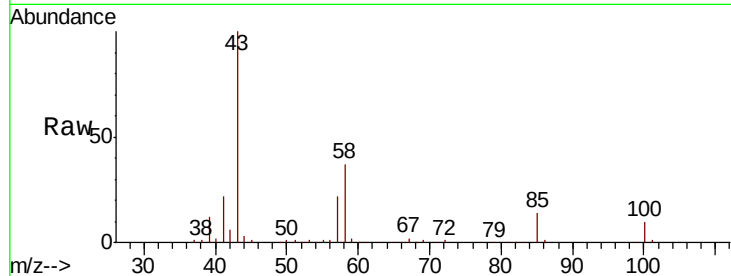
58 36.7 30.2 45.2

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

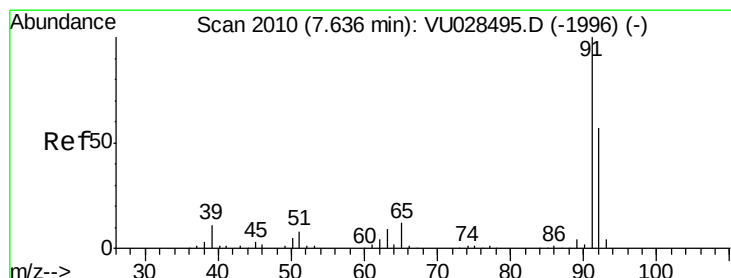
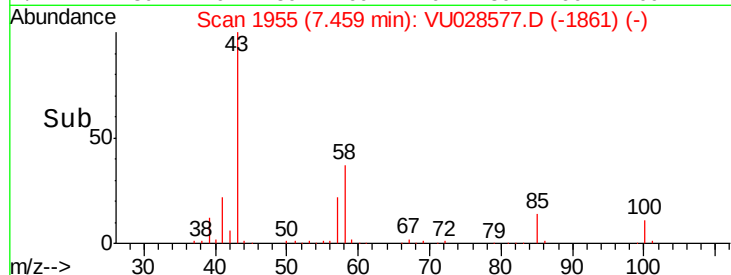
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.041 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028577.D

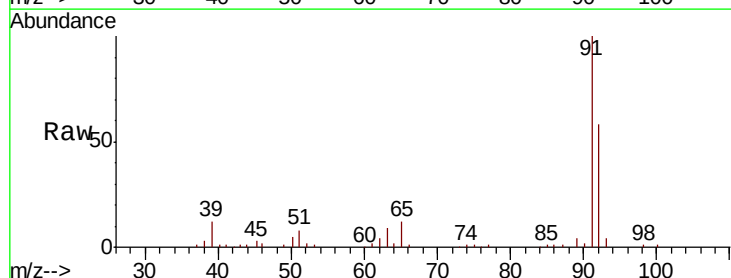
Acq: 11 Dec 2018 02:27

Tgt Ion: 92 Resp: 55506

Ion Ratio Lower Upper

92 100

91 174.1 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

60000

50000

40000

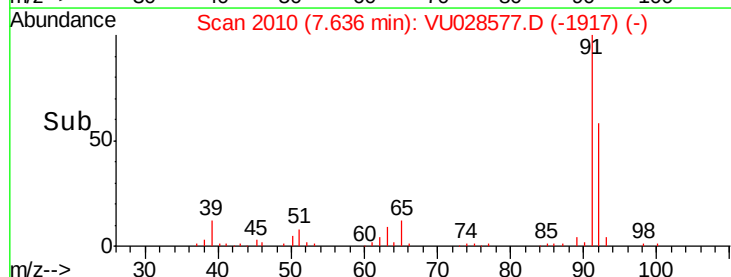
30000

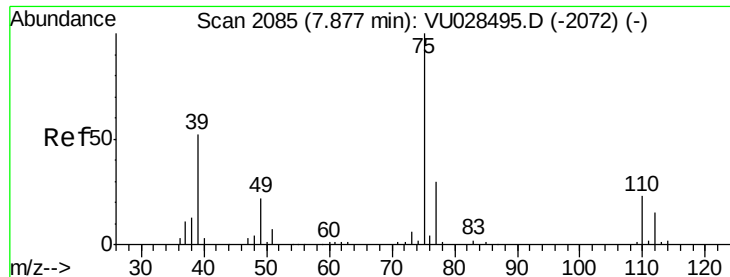
20000

10000

0

Time-->





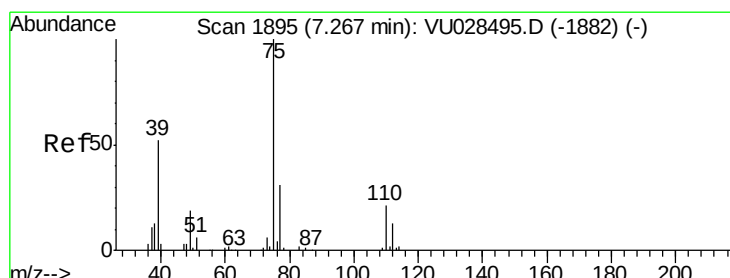
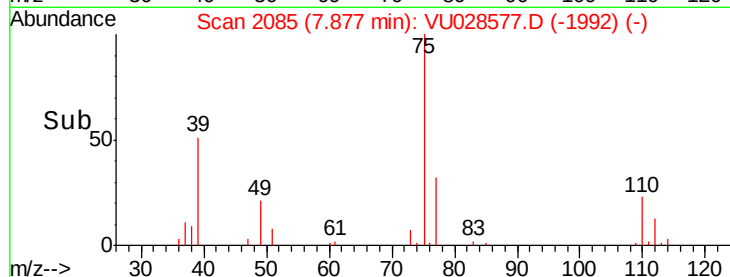
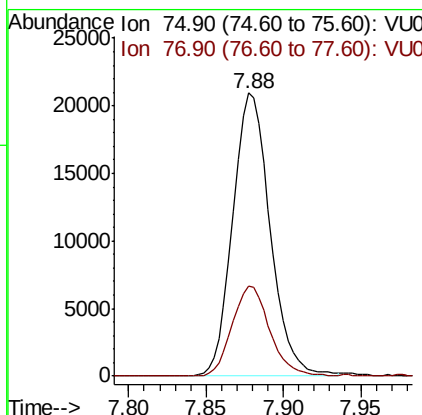
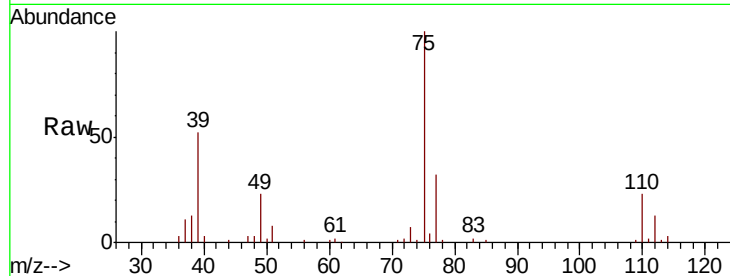
#53
t-1,3-Dichloropropene
Concen: 19.331 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.2	36.4

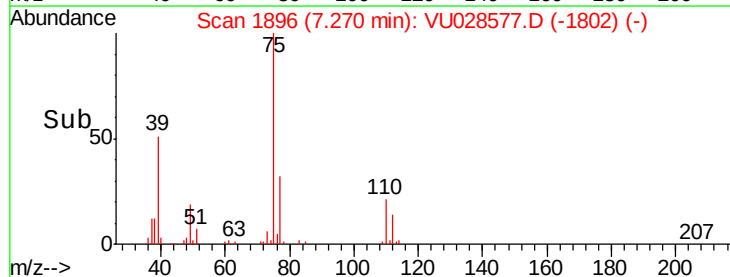
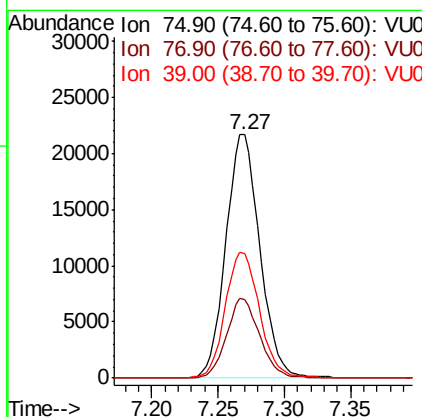
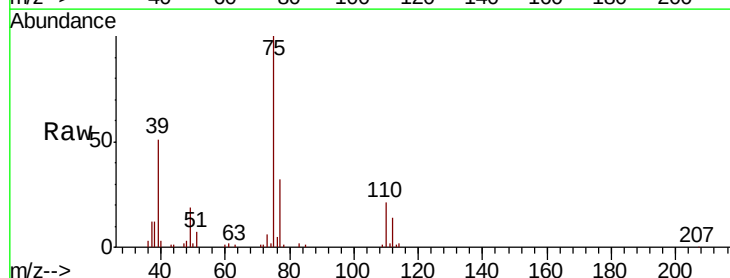
Manual Integrations
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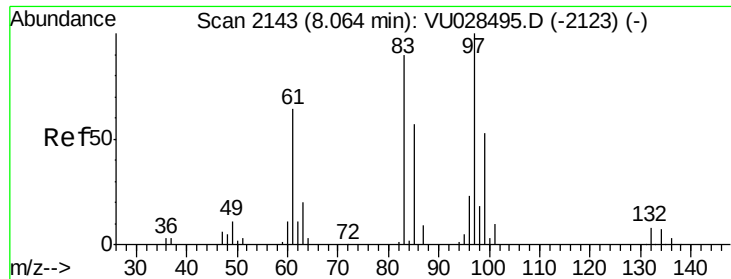
MMDadoda
12/11/2018 12:11:08 PM



#54
cis-1,3-Dichloropropene
Concen: 19.577 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.4
39	51.4	41.3	61.9





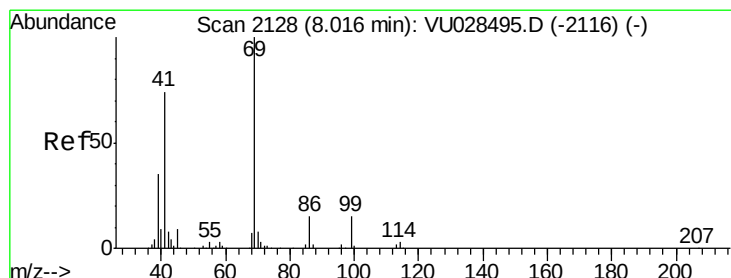
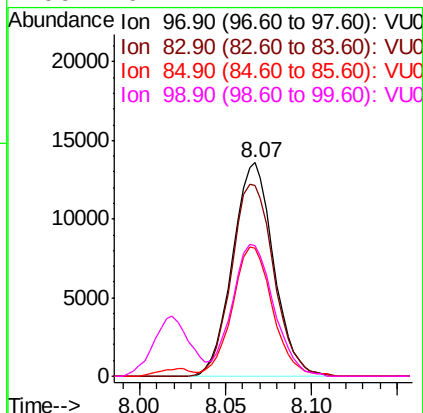
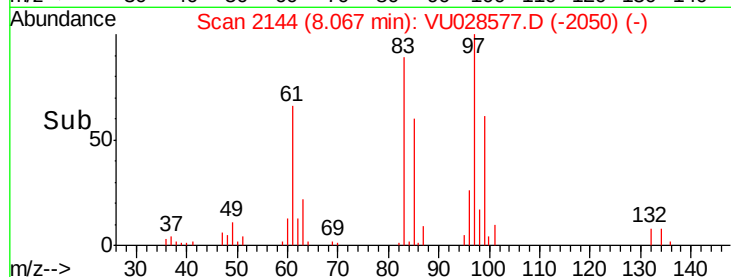
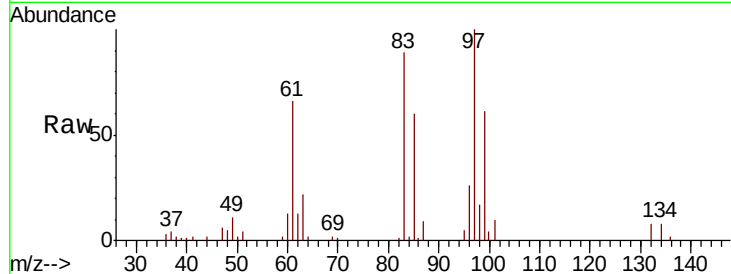
#55
 1,1,2-Trichloroethane
 Concen: 20.659 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

Tot Ion:	97	Resp:	22617
Ion Ratio	Lower	Upper	
97	100		
83	89.5	72.4	108.6
85	59.7	46.0	69.0
99	61.1	47.4	71.2

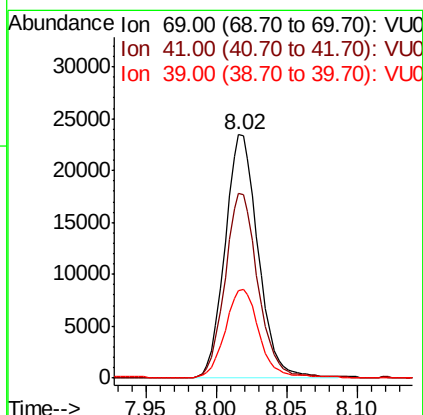
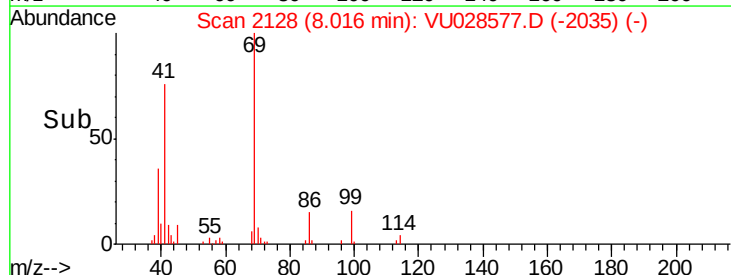
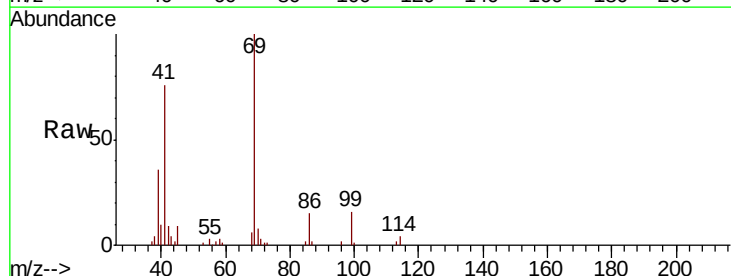
Manual Integrations
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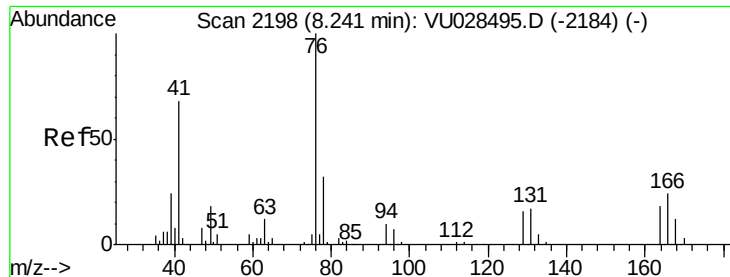
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 12/11/2018 12:11:08 PM



#56
 Ethyl methacrylate
 Concen: 20.561 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Tgt Ion:	69	Resp:	38547
Ion Ratio	Lower	Upper	
69	100		
41	76.0	59.1	88.7
39	37.5	28.4	42.6





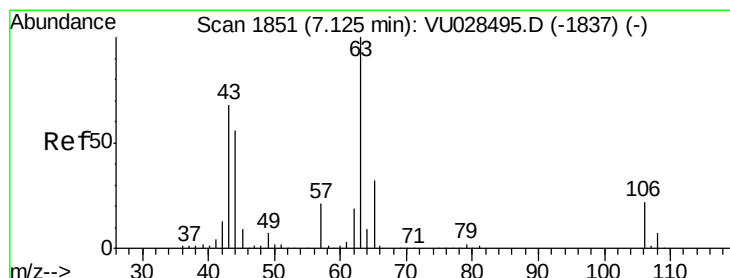
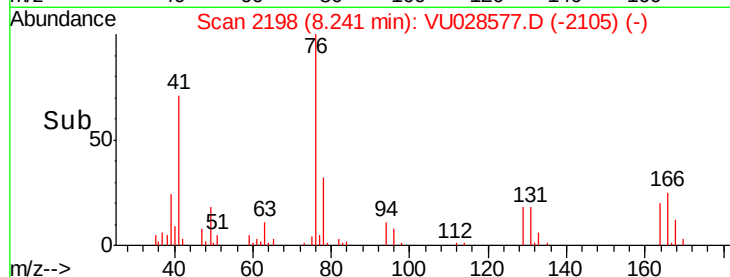
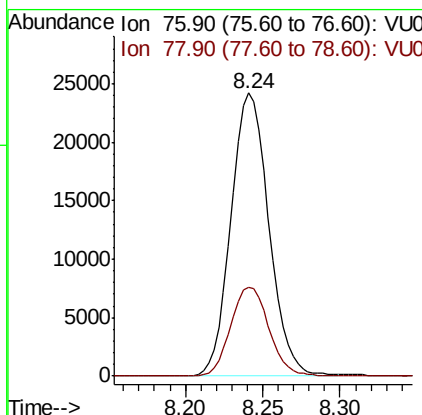
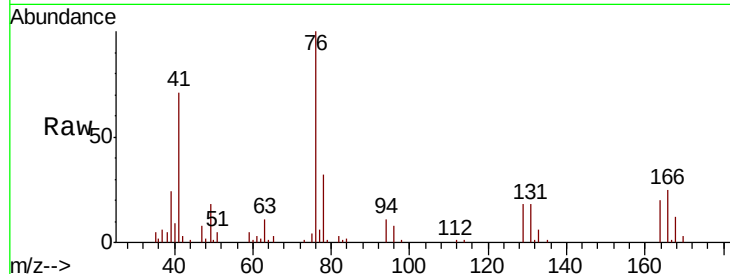
#57
 1,3-Dichloropropane
 Concen: 20.273 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

Tot Ion: 76 Resp: 41200
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.2 37.8

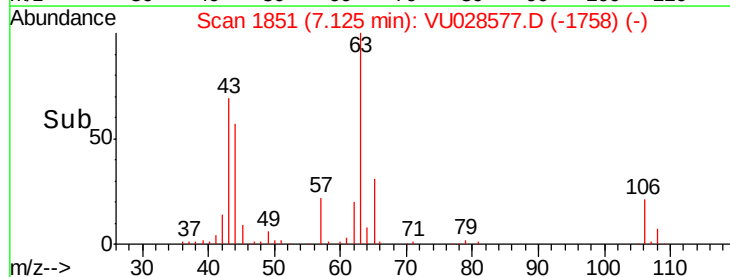
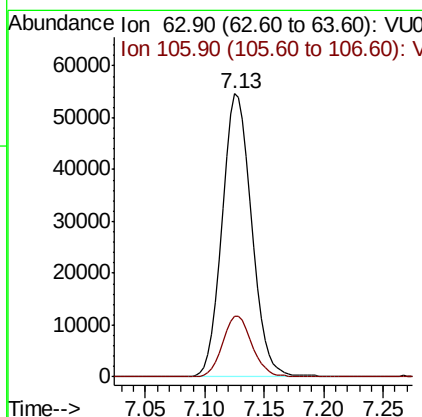
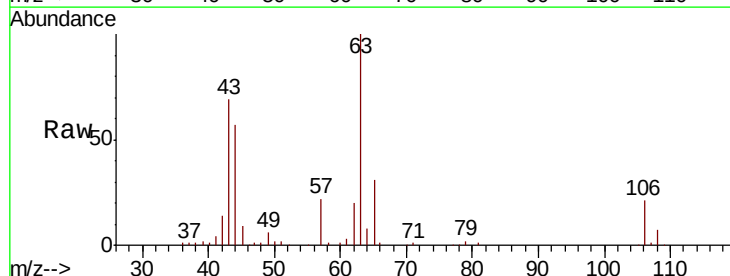
Manual Integrations
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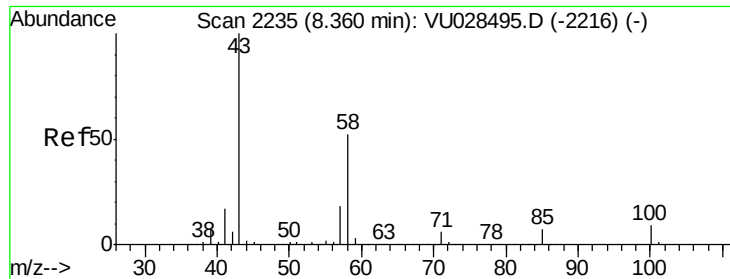
MMDadoda
 12/11/2018 12:11:08 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.086 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Tgt Ion: 63 Resp: 94189
 Ion Ratio Lower Upper
 63 100
 106 21.3 17.8 26.6





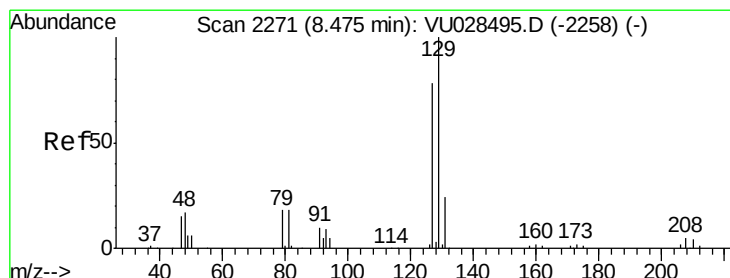
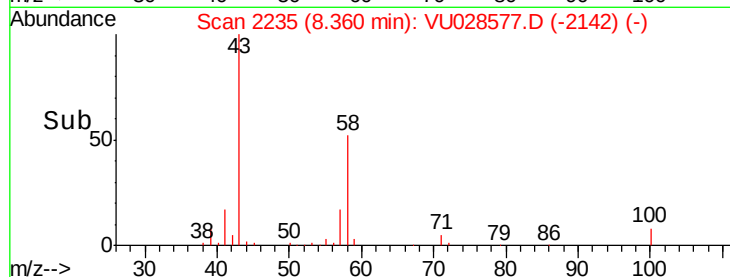
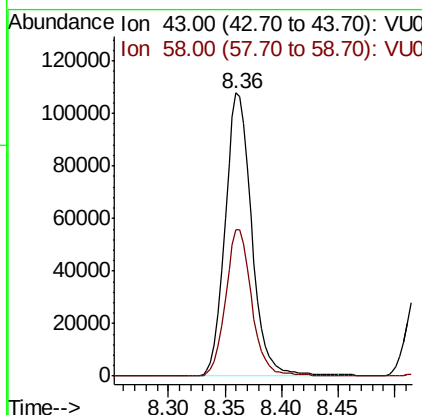
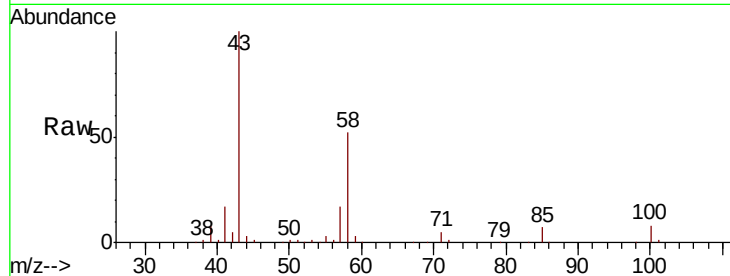
#59
2-Hexanone
Concen: 107.880 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion	43	58	Ratio	Lower	Upper
176192	100	50.9		25.9	77.6

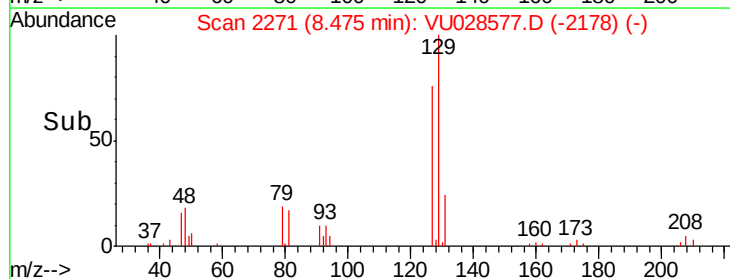
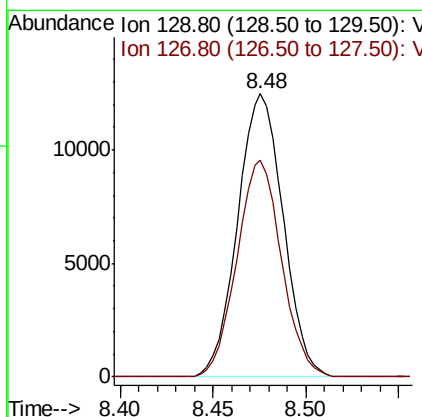
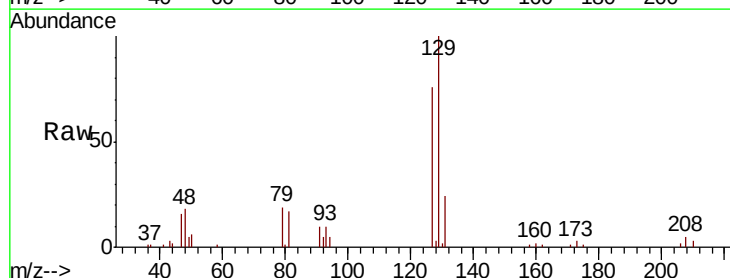
Manual Integrations
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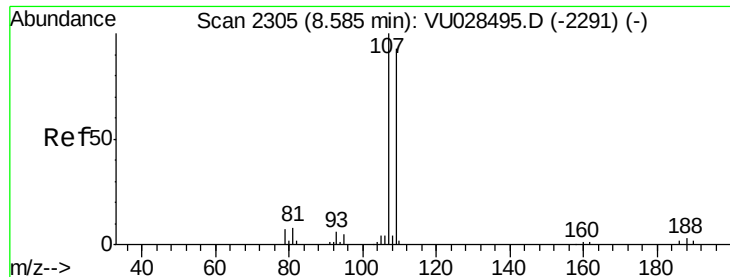
MMDadoda
12/11/2018 12:11:08 PM



#60
Dibromochloromethane
Concen: 19.911 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion	129	127	Ratio	Lower	Upper
21342	100	74.9		39.1	117.3





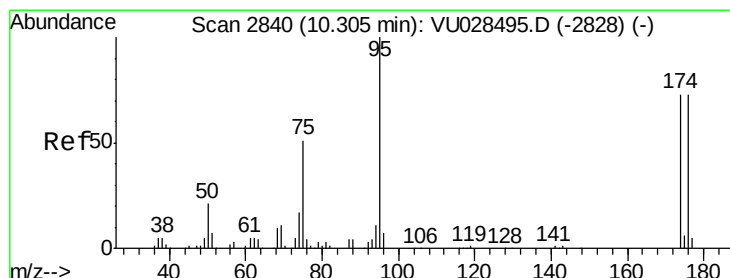
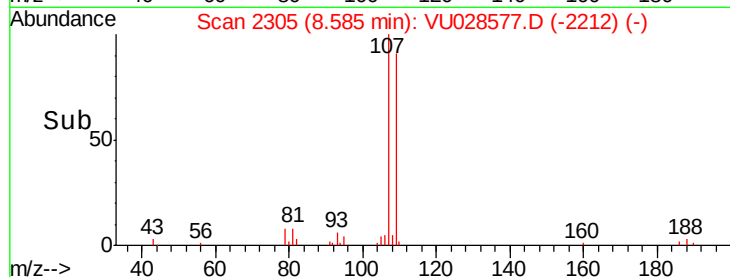
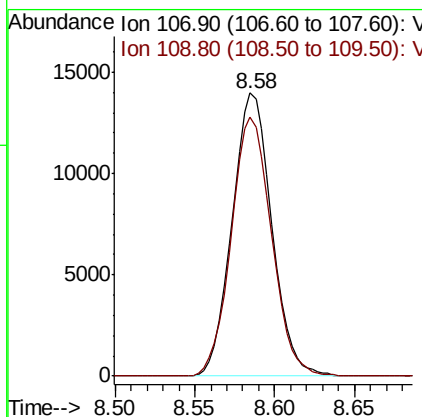
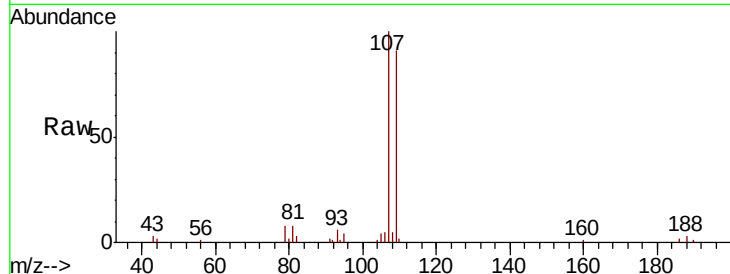
#61
 1,2-Dibromoethane
 Concen: 20.507 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	74.5	111.7

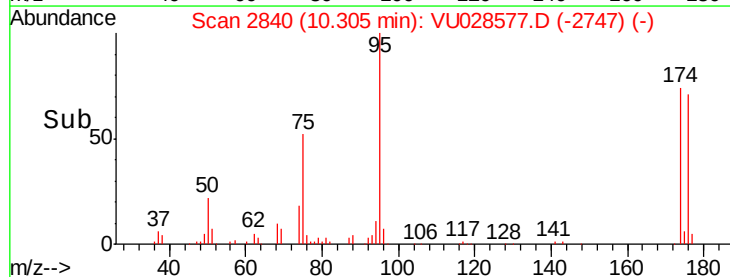
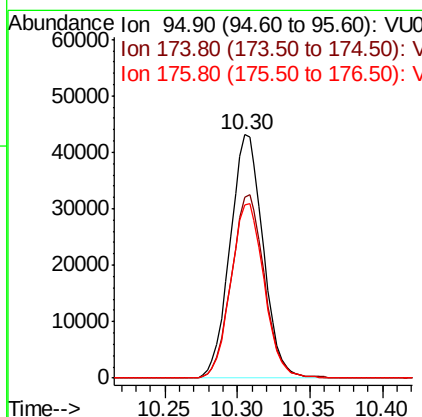
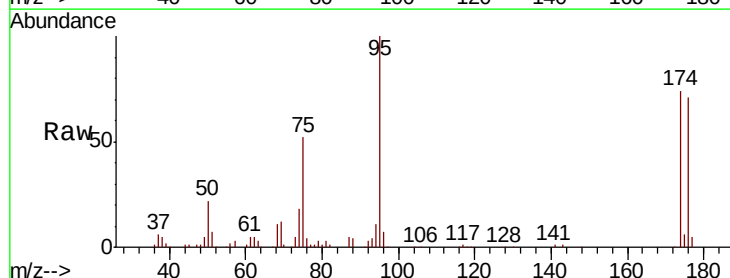
Manual Integrations
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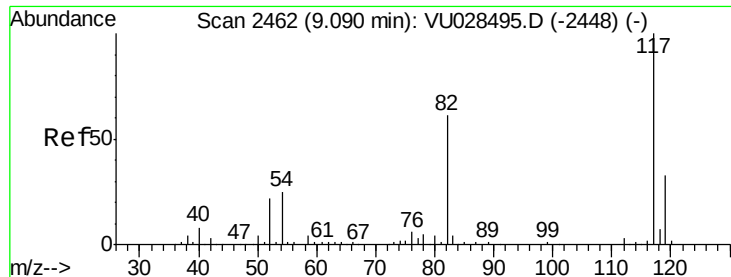
MMDadoda
 12/11/2018 12:11:08 PM



#62
 4-Bromofluorobenzene
 Concen: 50.070 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	150.4
176	72.3	0.0	145.2





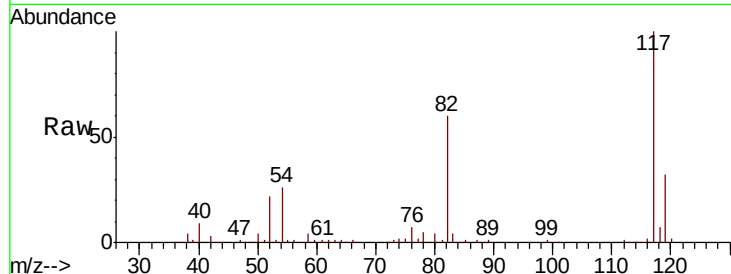
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	48.9	73.3
119	31.7	26.2	39.4

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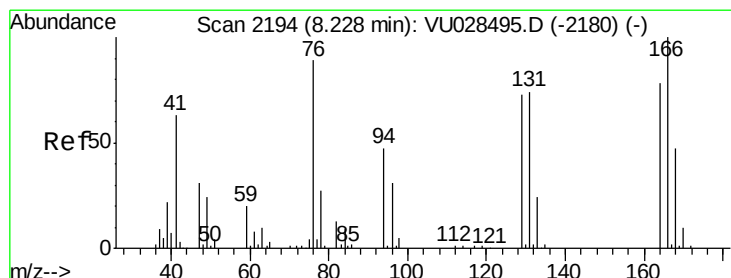
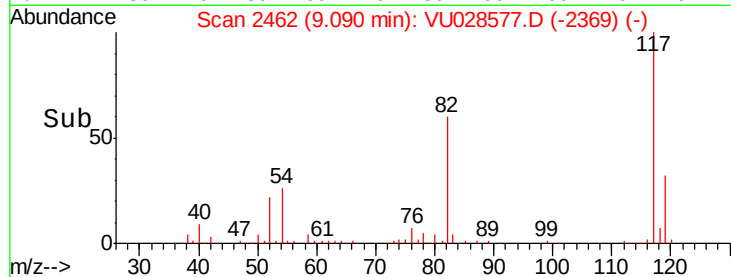
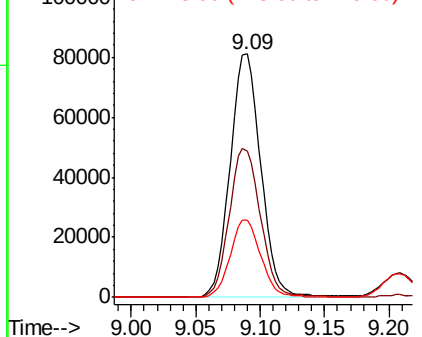


Abundance

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: 21.065 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.7	101.9	152.9
129	98.1	74.9	112.3
131	86.6	75.4	113.0

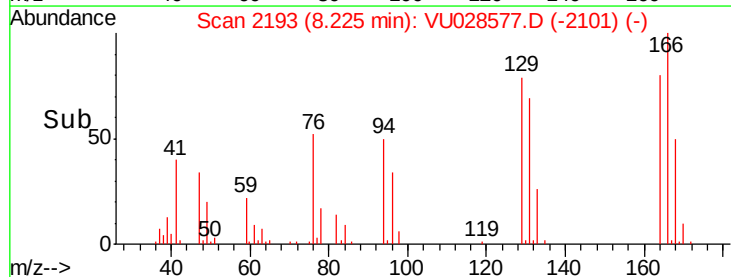
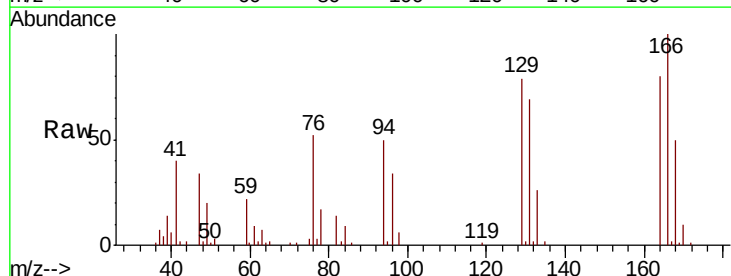
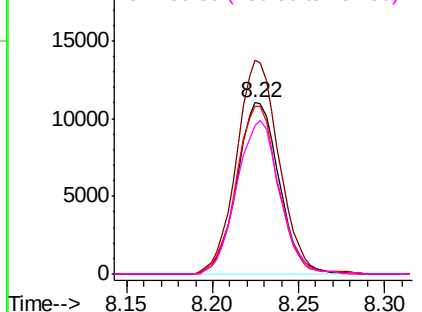
Abundance

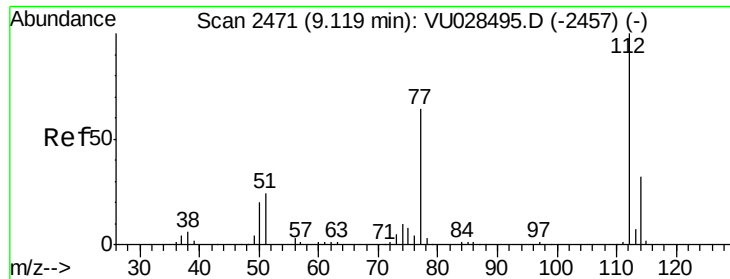
Ion 163.80 (163.50 to 164.50): V

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





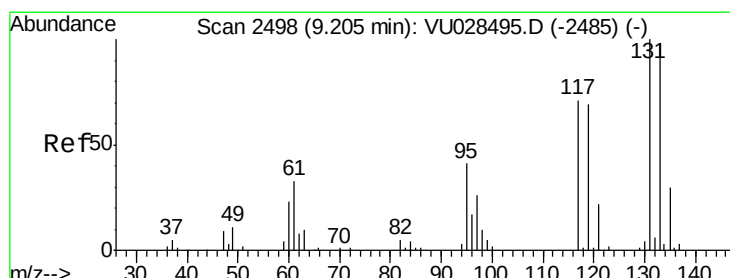
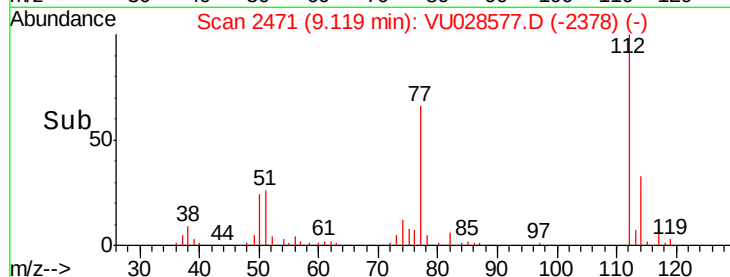
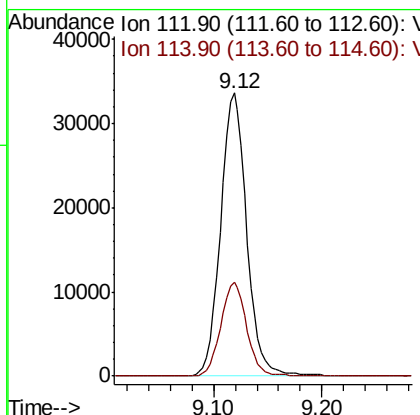
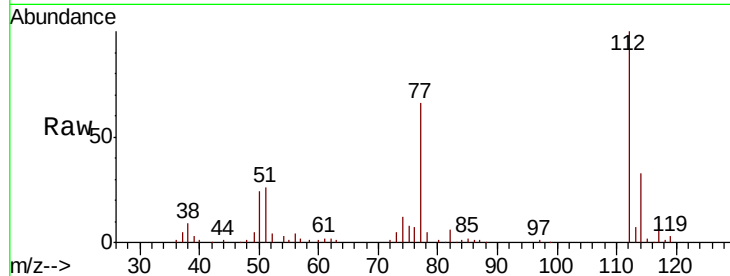
#65
Chlorobenzene
Concen: 19.778 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion:112 Resp: 56502
Ion Ratio Lower Upper
112 100
114 33.2 25.3 37.9

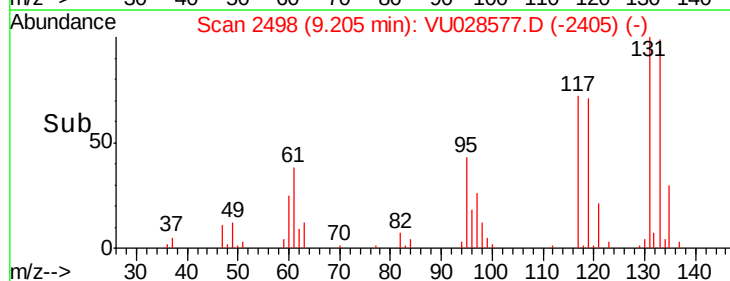
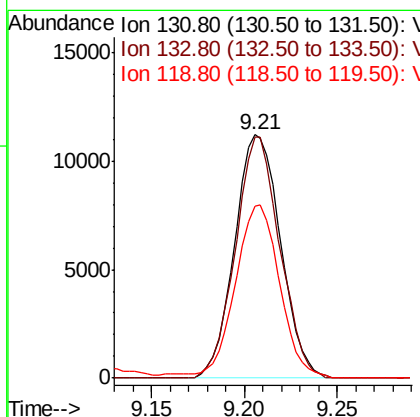
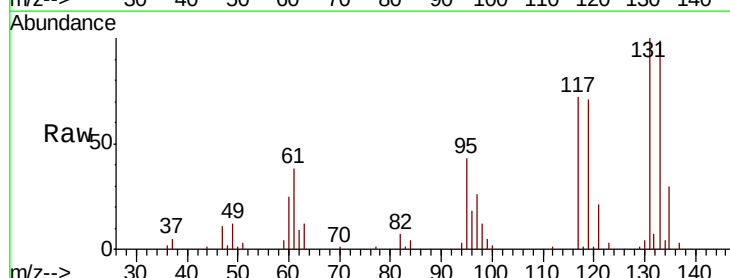
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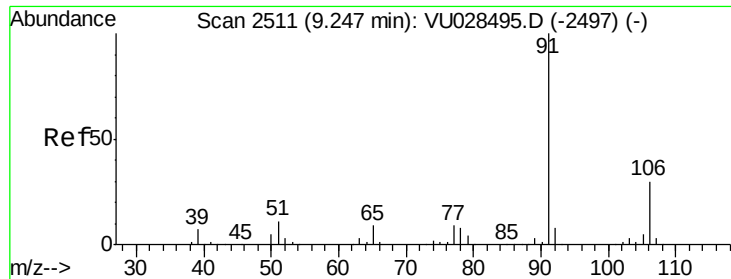
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.079 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion:131 Resp: 19229
Ion Ratio Lower Upper
131 100
133 95.9 48.0 144.0
119 68.8 34.6 103.9





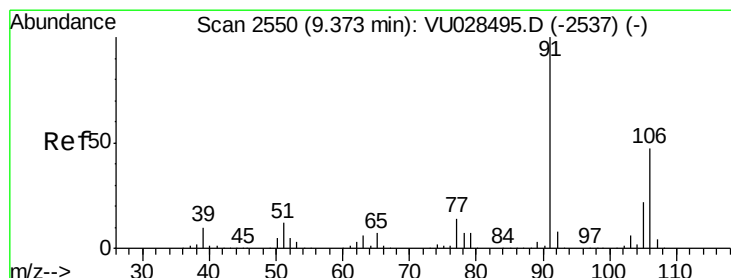
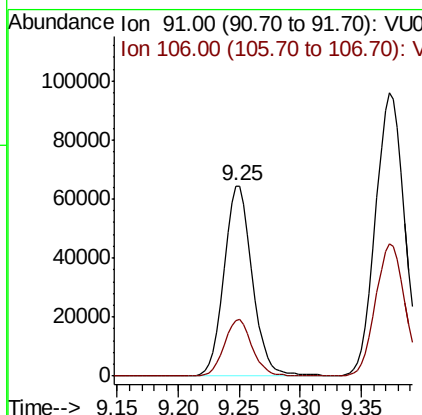
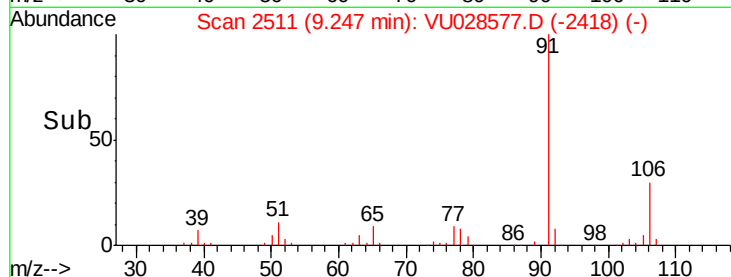
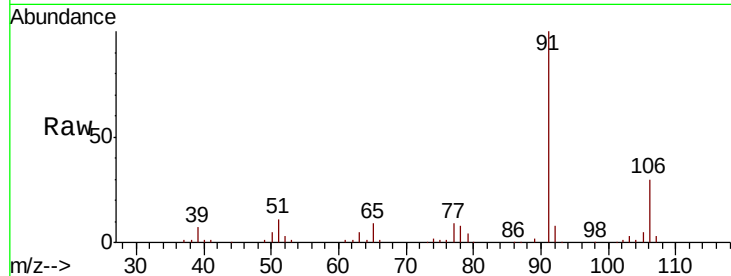
#67
Ethyl Benzene
Concen: 20.088 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion: 91 Resp: 105495
Ion Ratio Lower Upper
91 100
106 29.5 24.1 36.1

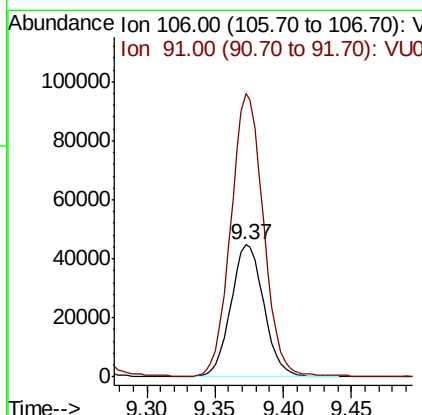
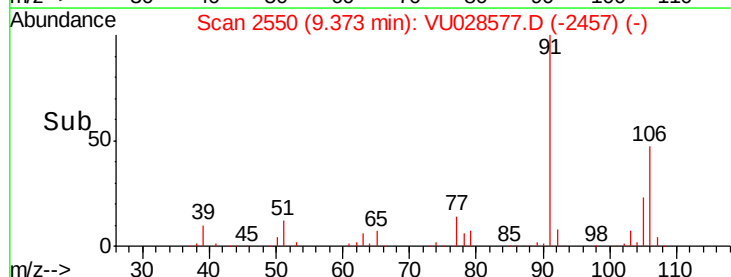
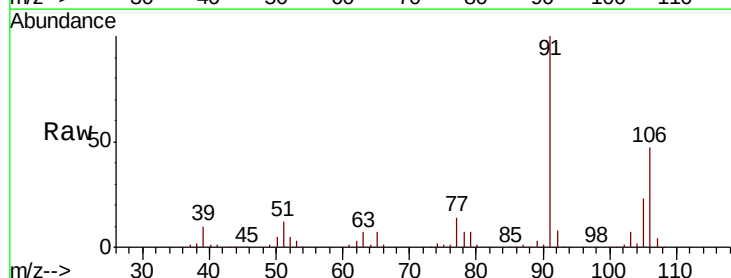
Manual Integrations
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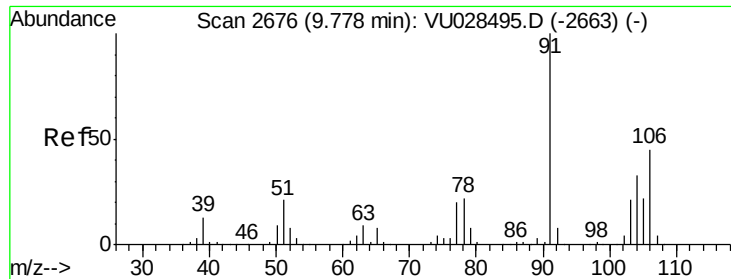
MMDadoda
12/11/2018 12:11:08 PM



#68
m/p-Xylenes
Concen: 39.185 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion: 106 Resp: 74880
Ion Ratio Lower Upper
106 100
91 212.3 167.4 251.0





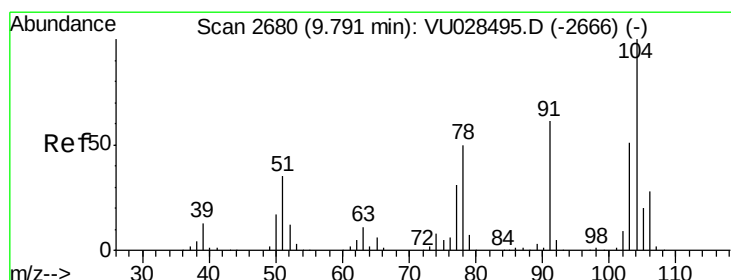
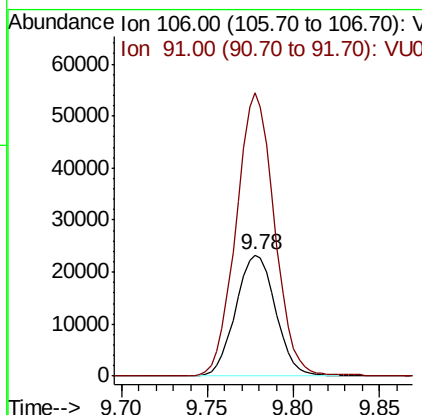
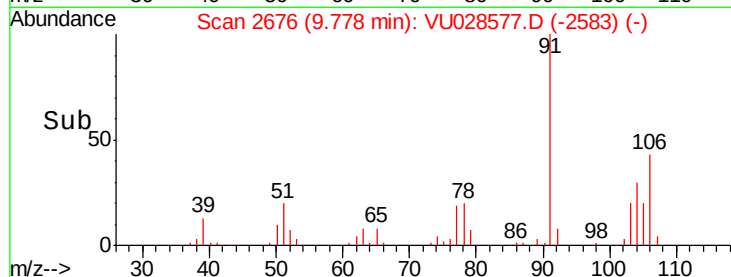
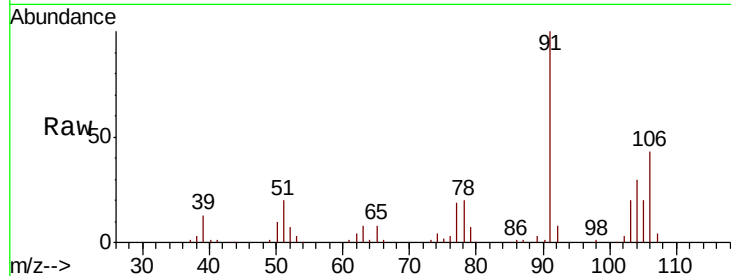
#69
o-Xylene
Concen: 20.168 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion:106 Resp: 37453
Ion Ratio Lower Upper
106 100
91 225.0 111.3 334.0

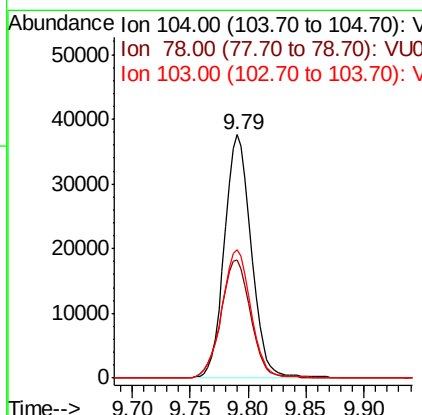
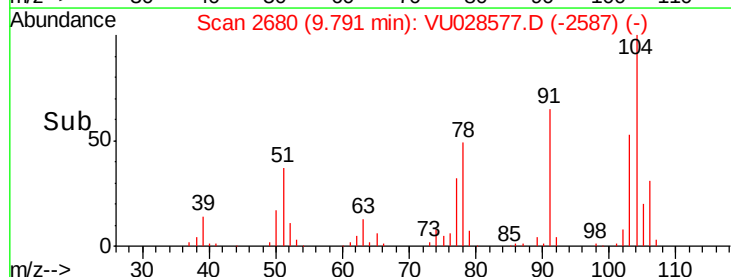
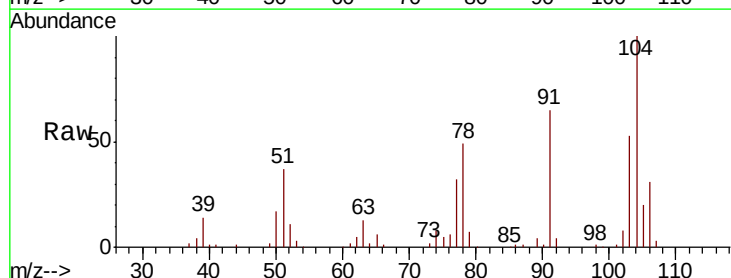
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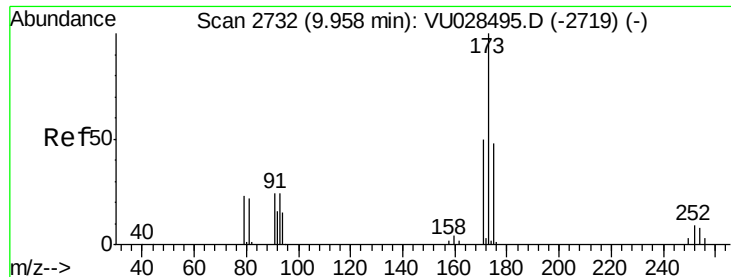
MMDadoda
12/11/2018 12:11:08 PM



#70
Styrene
Concen: 19.588 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion:104 Resp: 60198
Ion Ratio Lower Upper
104 100
78 53.6 43.0 64.6
103 56.6 44.2 66.4





#71

Bromoform

Concen: 20.905 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS02

Tot Ion:173 Resp: 16223

Ion Ratio Lower Upper

173 100

175 47.2 23.9 71.8

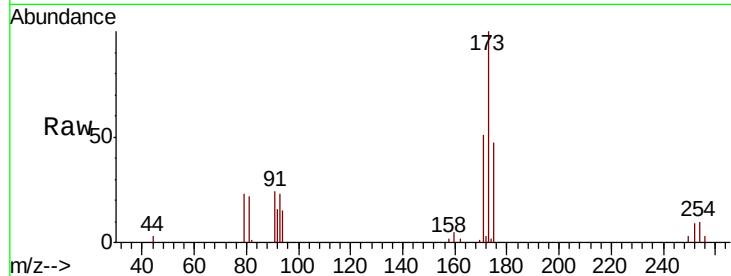
254 0.0 0.0 0.0

Manual Integrations

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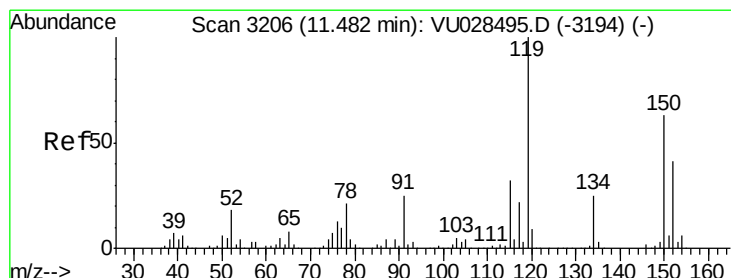
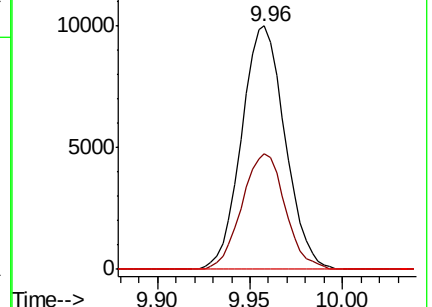
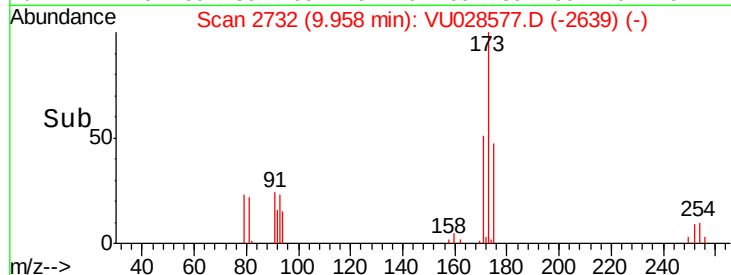
12/11/2018 12:11:08 PM



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: VU028577.D

Acq: 11 Dec 2018 02:27

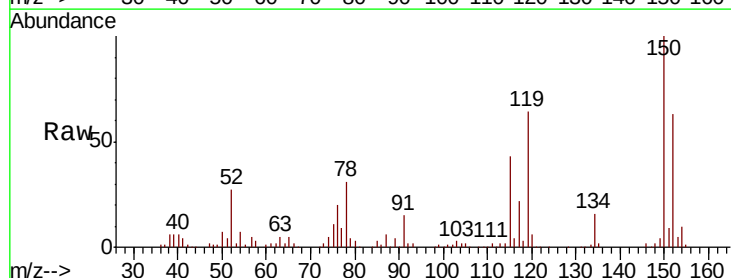
Tgt Ion:152 Resp: 63063

Ion Ratio Lower Upper

152 100

115 70.3 42.7 128.1

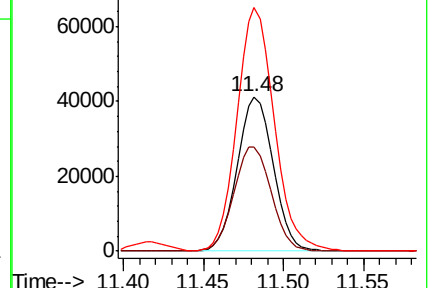
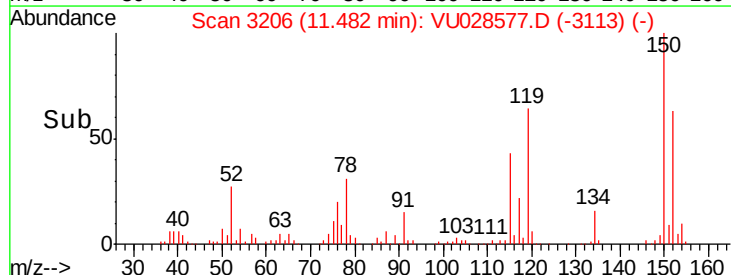
150 164.0 0.0 346.0

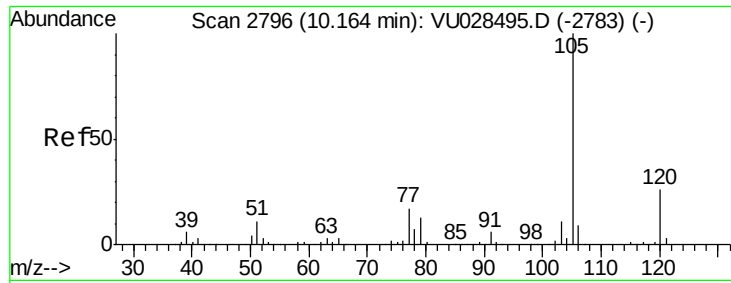


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.400 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS02

Tot Ion: 105 Resp: 98718

Ion Ratio Lower Upper

105 100

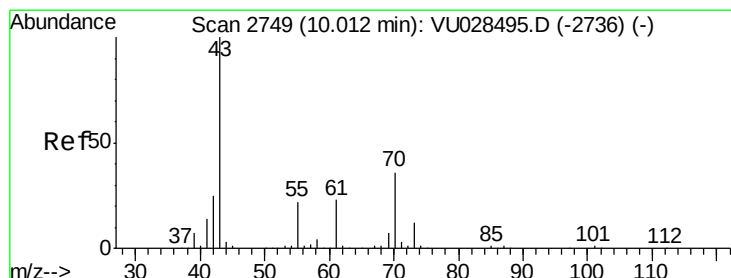
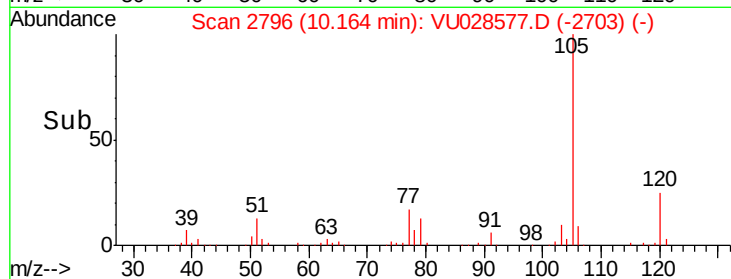
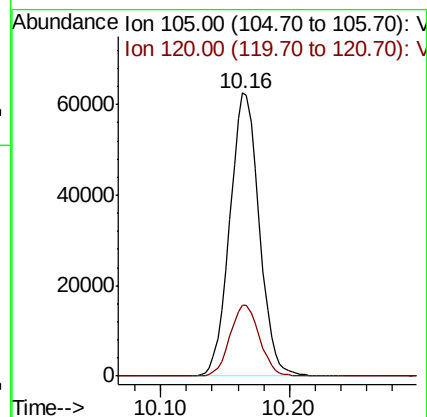
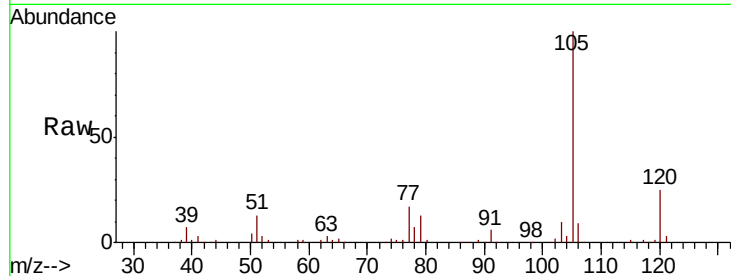
120 25.2 12.9 38.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.697 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Tgt Ion: 43 Resp: 60563

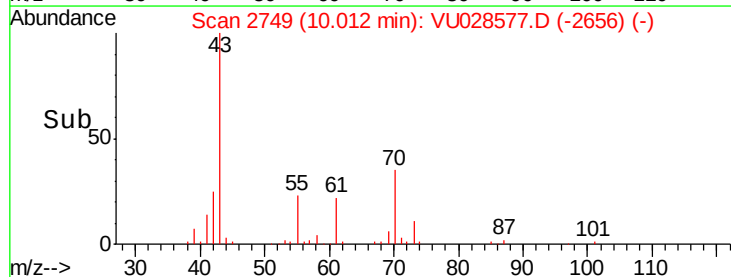
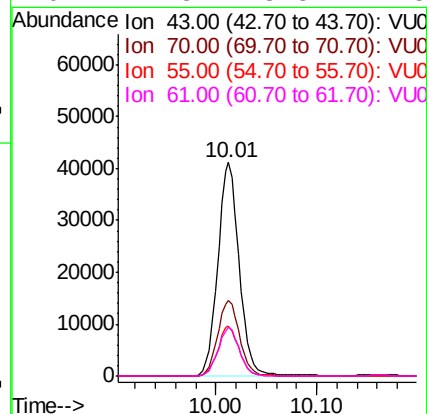
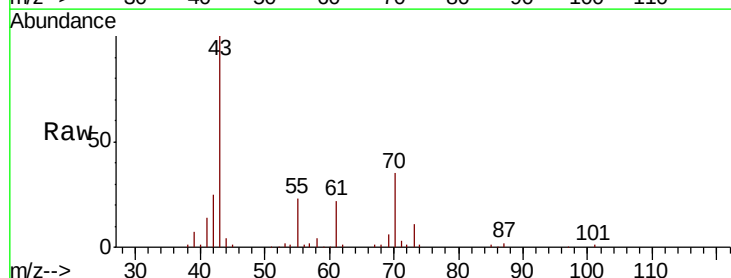
Ion Ratio Lower Upper

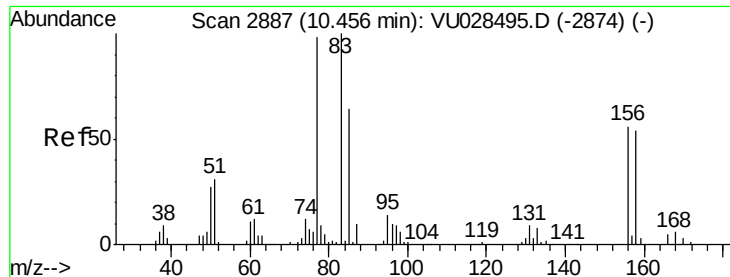
43 100

70 36.2 29.3 43.9

55 23.1 18.0 27.0

61 22.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.600 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

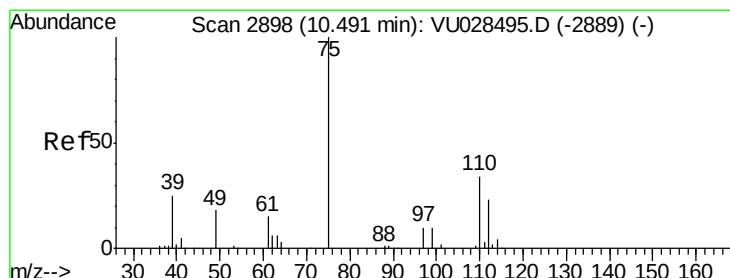
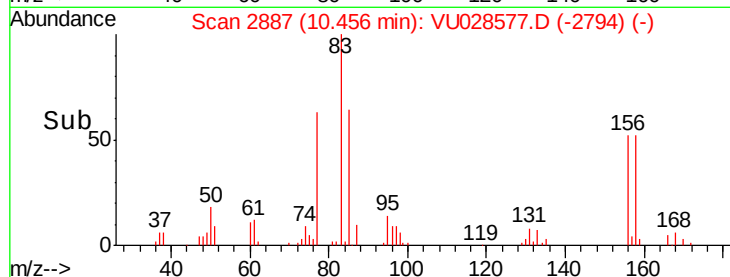
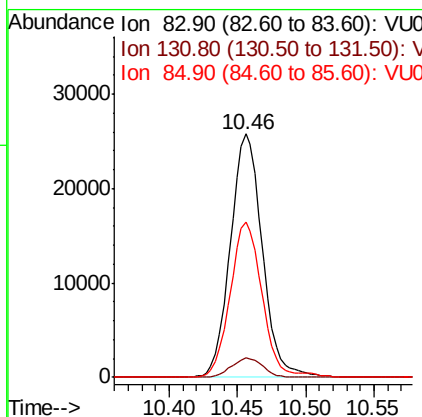
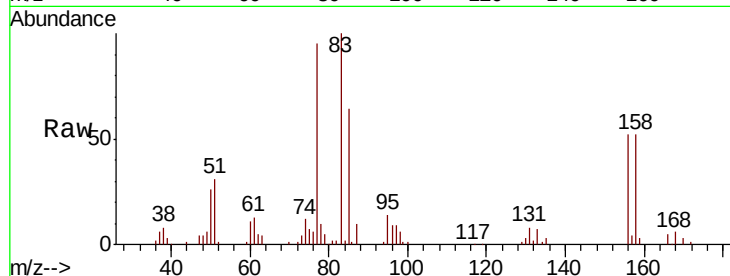
ClientSampleId :

VU1211WBS02

Tot Ion:	83	Resp:	42011
Ion	Ratio	Lower	Upper
83	100		
131	7.7	4.2	12.4
85	63.7	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.472 ug/l m

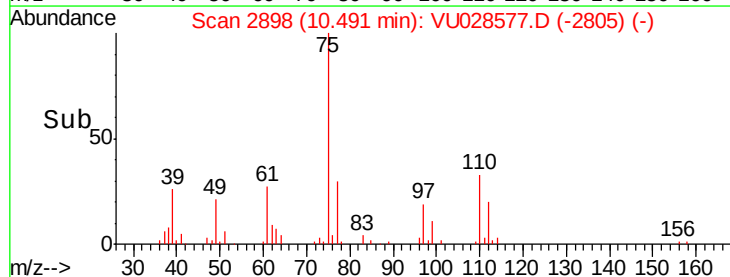
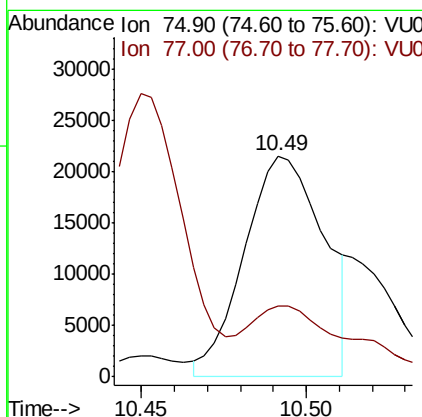
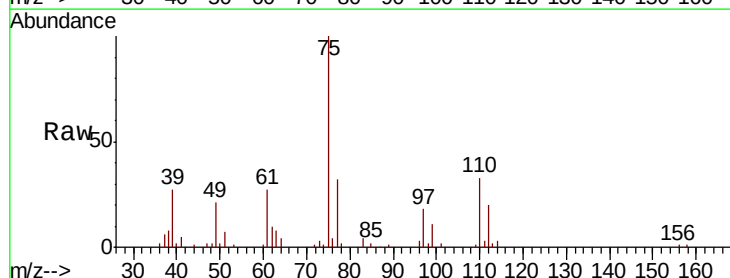
RT: 10.49 min Scan# 2898

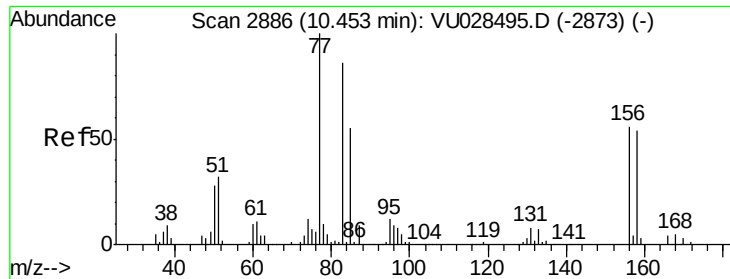
Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Tgt Ion:	75	Resp:	36188
Ion	Ratio	Lower	Upper
75	100		
77	40.8	20.8	62.4





#77

Bromobenzene

Concen: 20.711 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

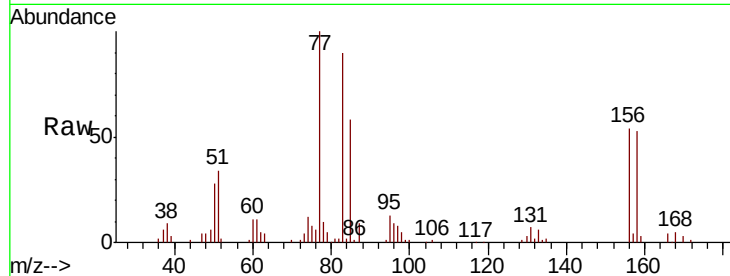
ClientSampleId :

VU1211WBS02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	186.1	92.4	277.2	
158	98.2	48.4	145.3	

Manual Integrations
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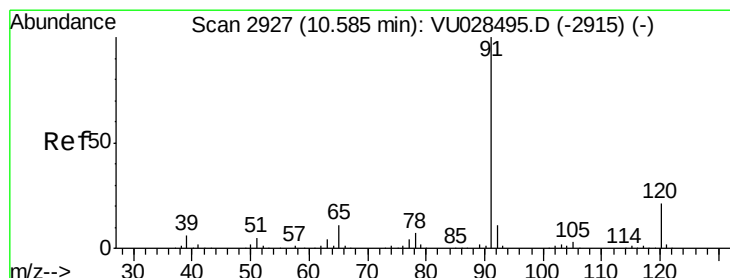
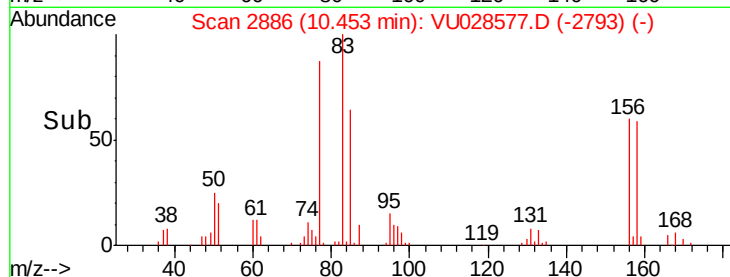
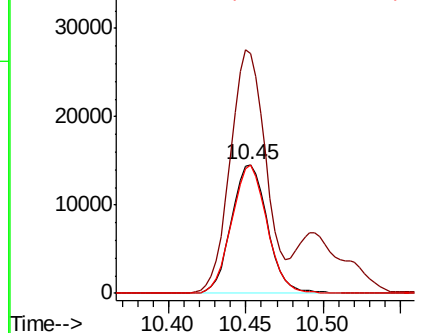
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.626 ug/l

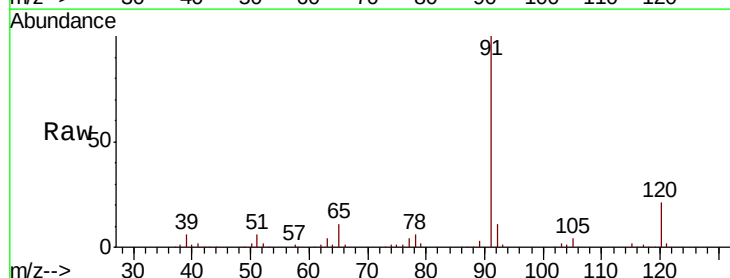
RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028577.D

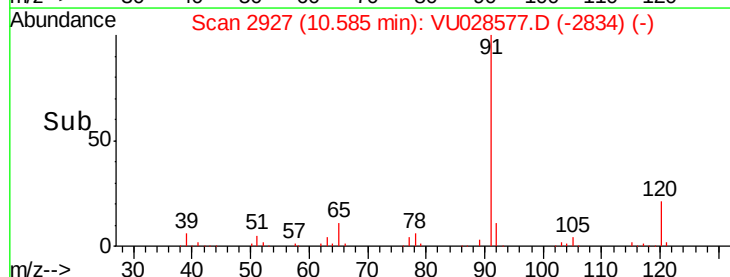
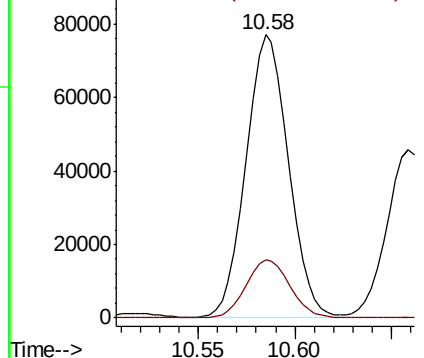
Acq: 11 Dec 2018 02:27

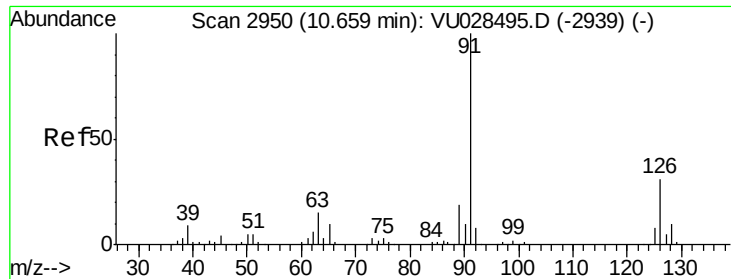
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.0	10.6	31.8	



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





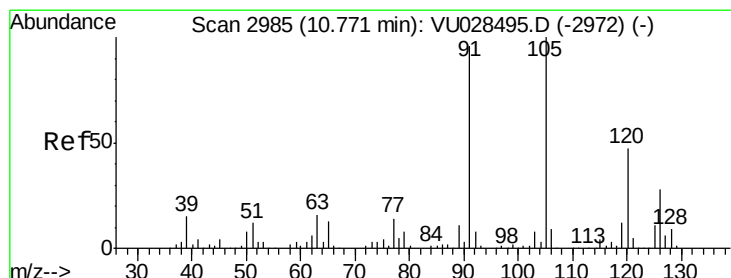
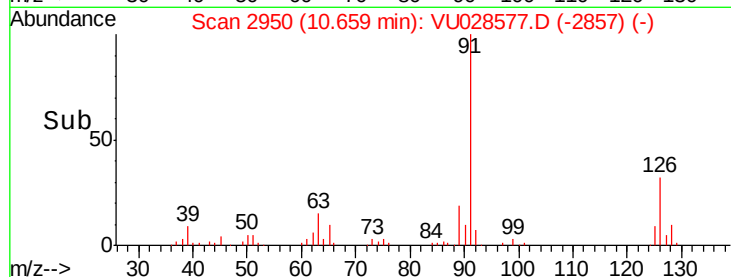
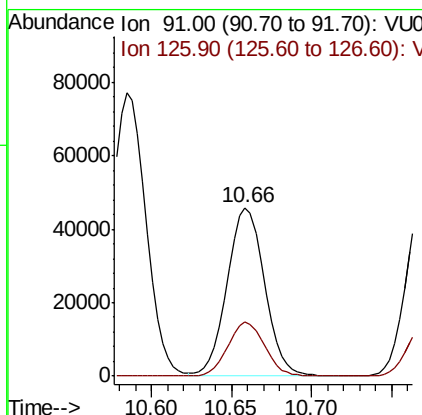
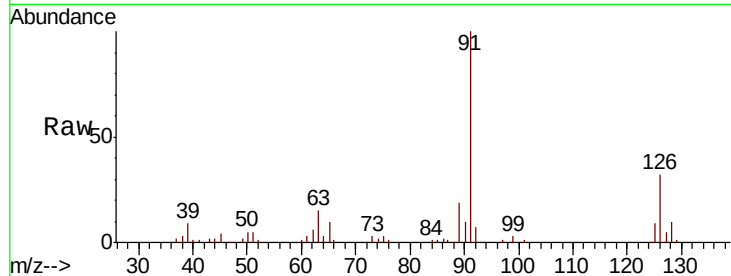
#79
2-Chlorotoluene
Concen: 20.991 ug/l
RT: 10.66 min Scan# 2950
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion: 91 Resp: 72703
Ion Ratio Lower Upper
91 100
126 31.6 15.6 46.8

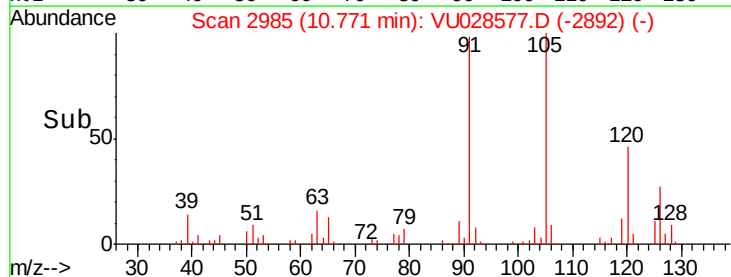
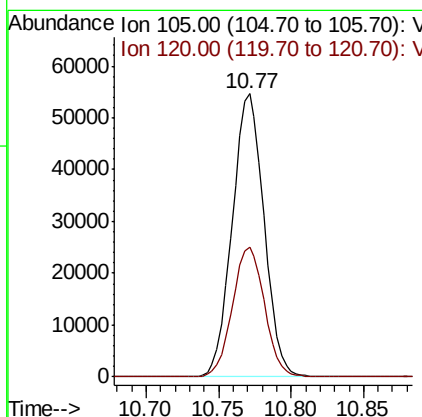
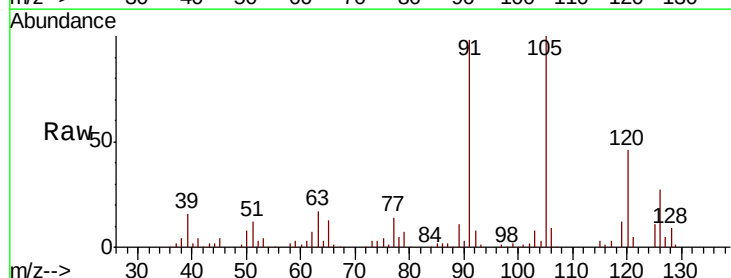
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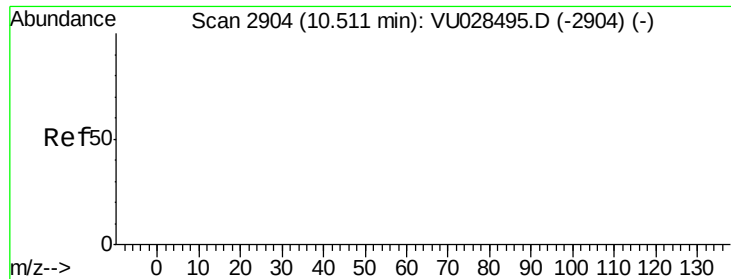
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#80
1,3,5-Trimethylbenzene
Concen: 20.703 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion: 105 Resp: 82927
Ion Ratio Lower Upper
105 100
120 46.2 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 22.201 ug/l

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU028577.D

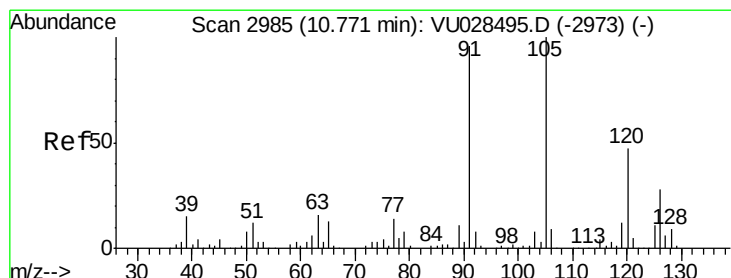
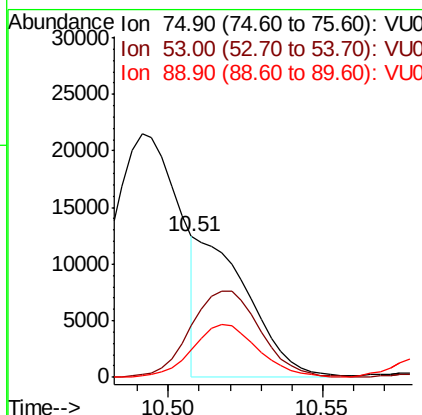
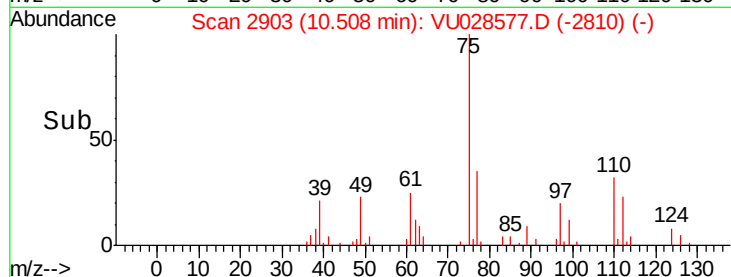
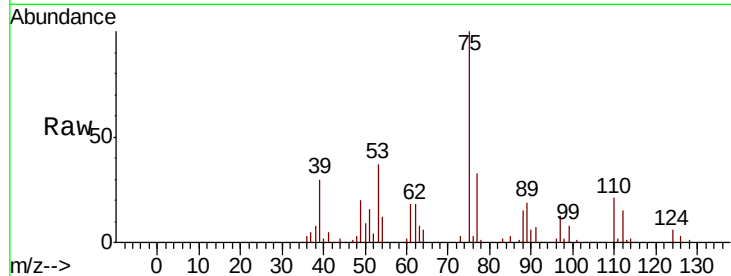
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

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

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#82

4-Chlorotoluene

Concen: 19.828 ug/l

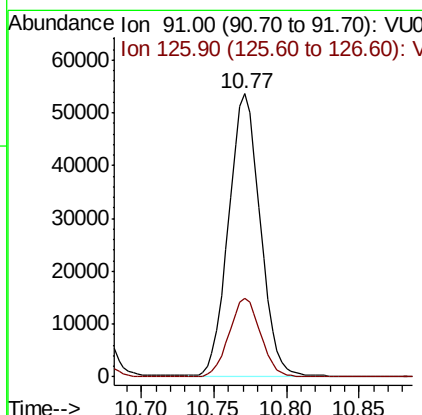
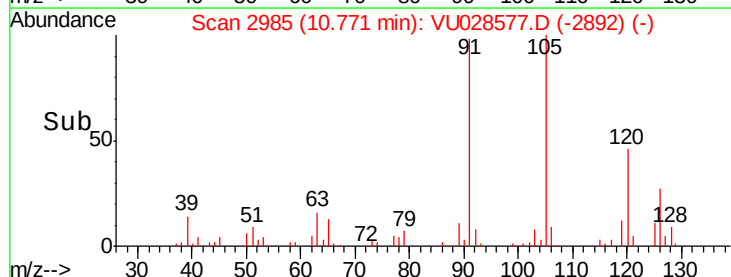
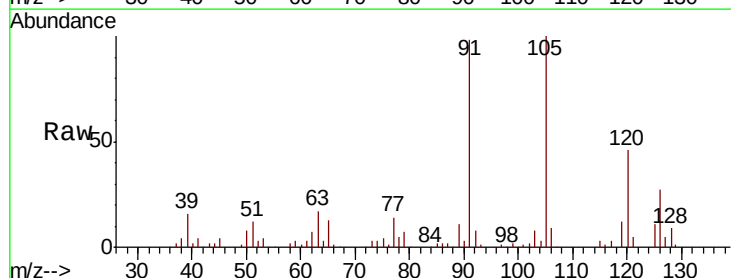
RT: 10.77 min Scan# 2985

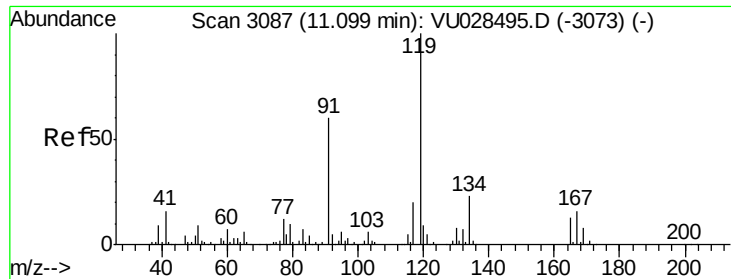
Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.5	14.1	42.3





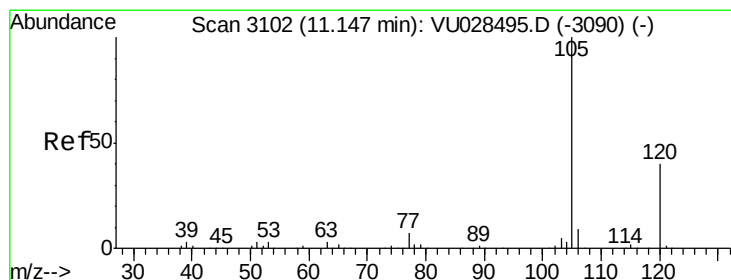
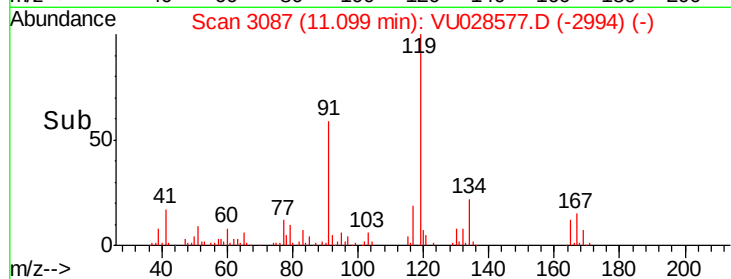
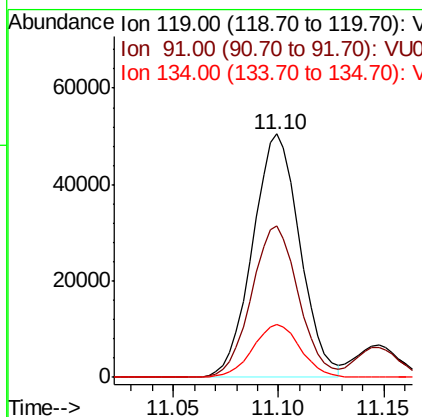
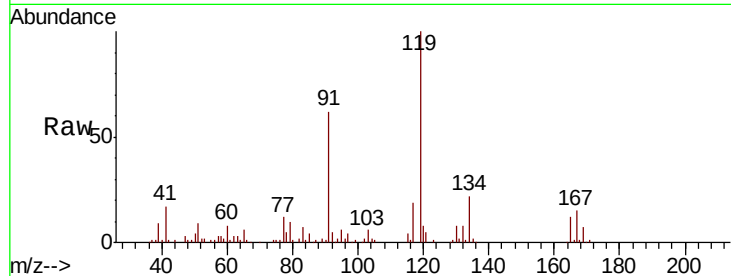
#83
 tert-Butylbenzene
 Concen: 20.367 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.9	30.3	91.0
134	21.8	11.2	33.5

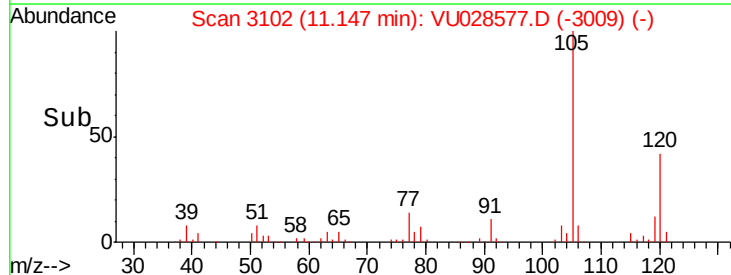
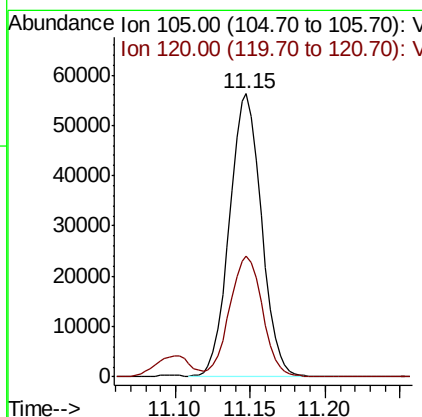
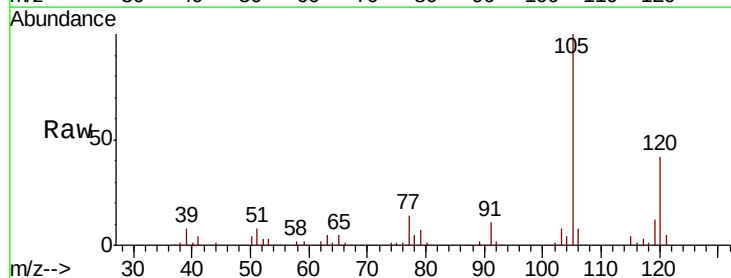
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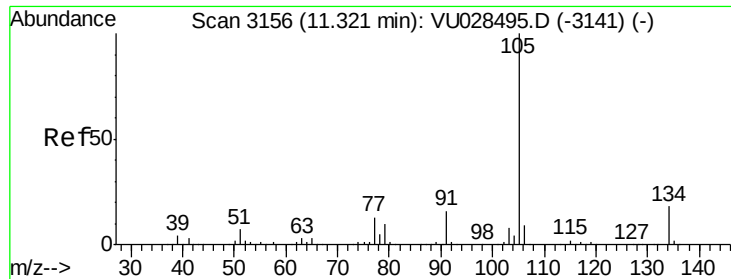
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.378 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.8	65.4





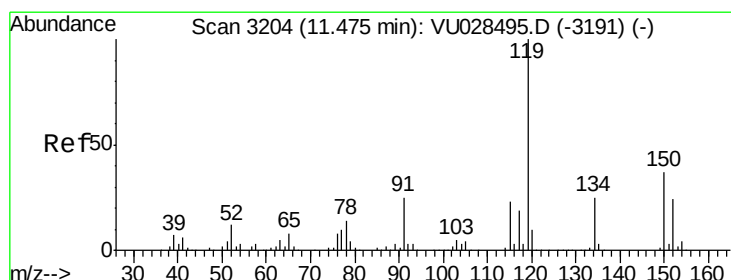
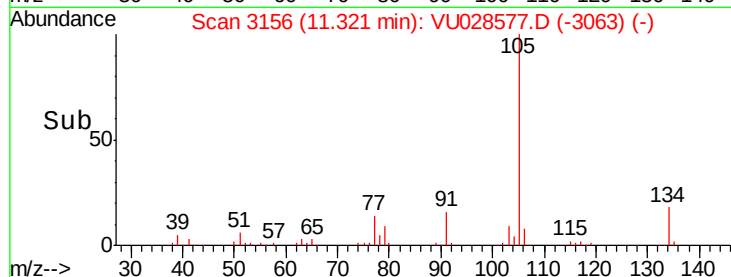
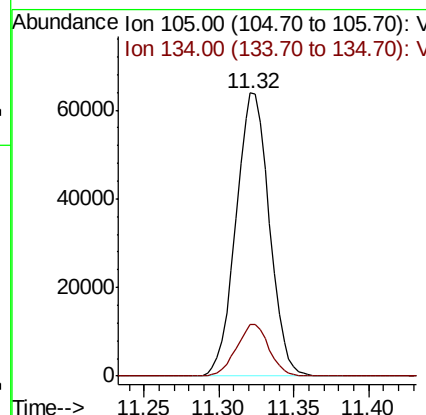
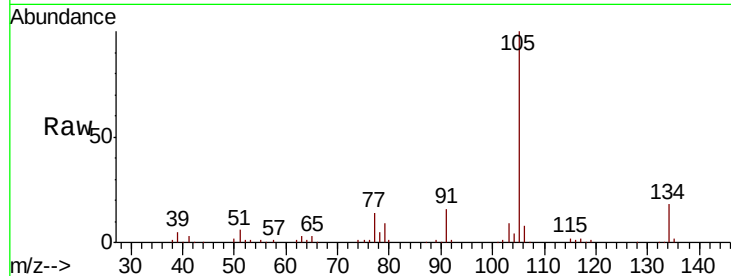
#85
 sec-Butylbenzene
 Concen: 19.989 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.8	9.2	27.6

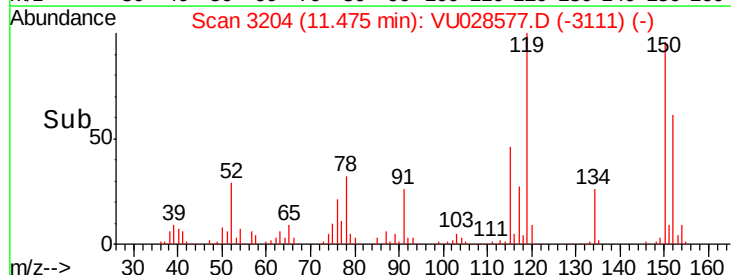
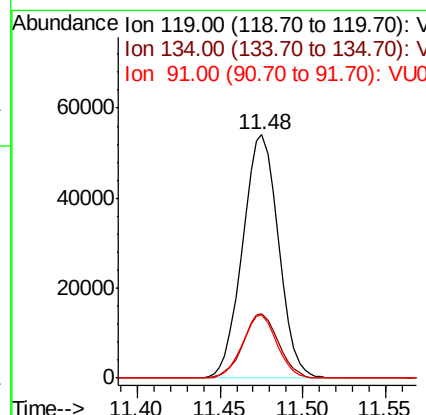
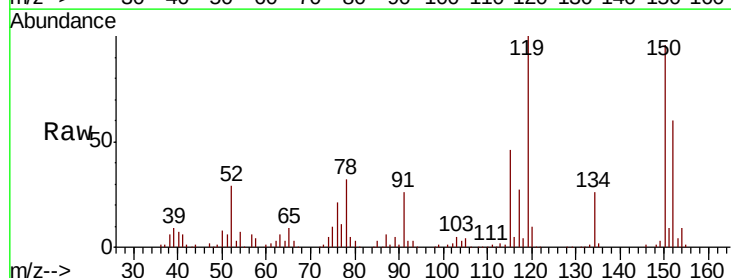
Manual Integrations
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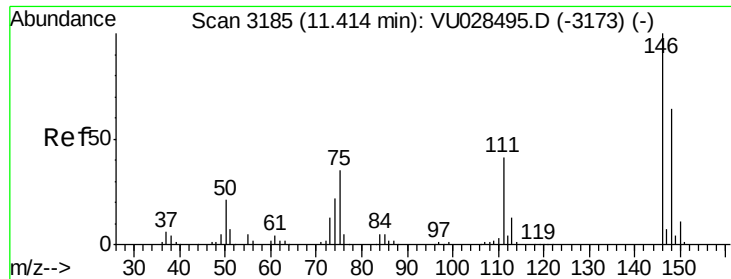
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#86
 p-Isopropyltoluene
 Concen: 19.342 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.7	38.1
91	24.9	12.6	37.6





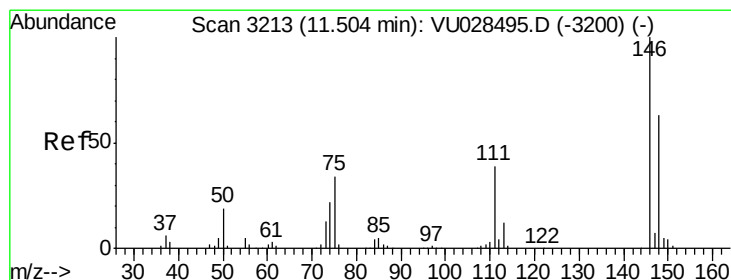
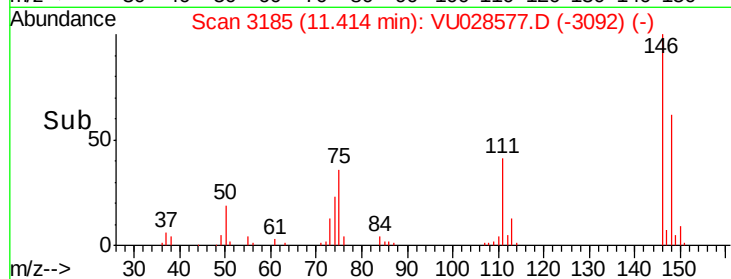
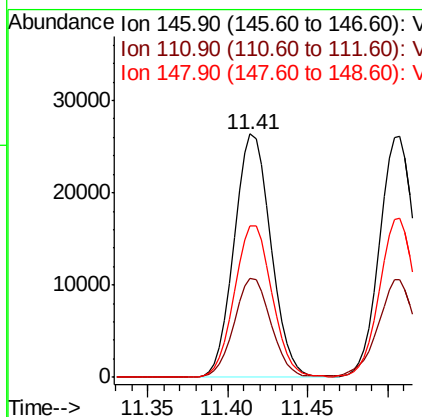
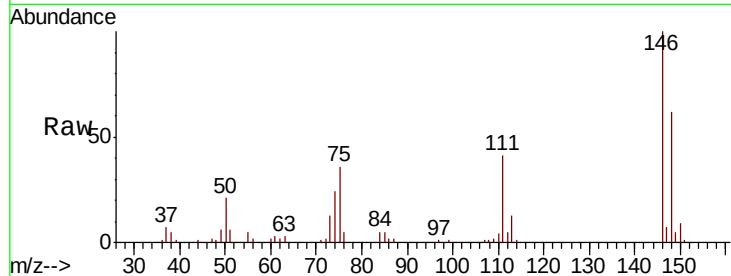
#87
 1,3-Dichlorobenzene
 Concen: 19.308 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.7	62.1
148	63.9	31.9	95.7

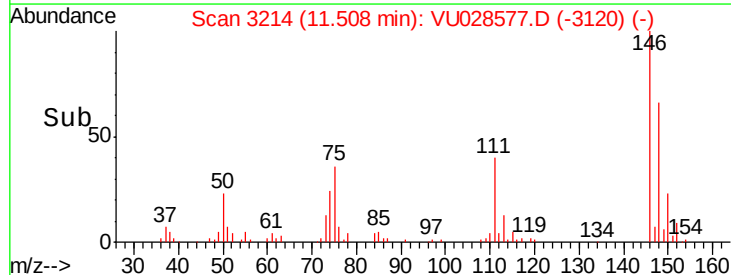
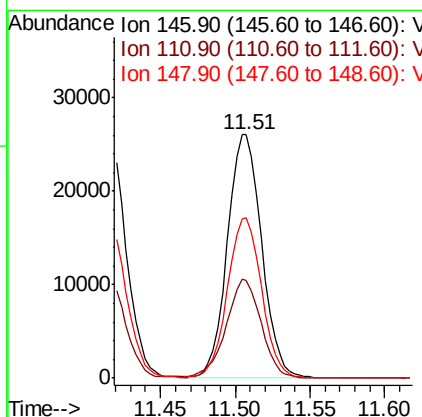
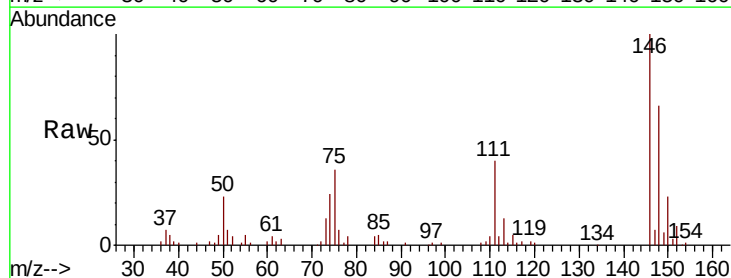
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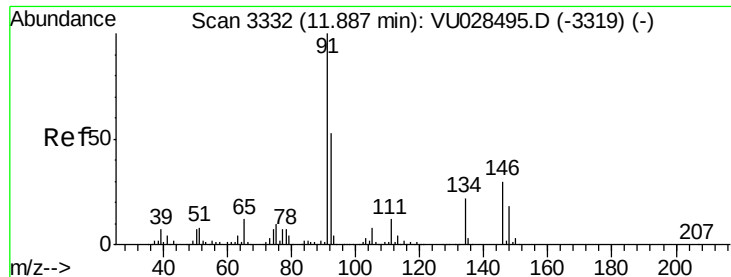
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#88
 1,4-Dichlorobenzene
 Concen: 18.868 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.2	60.5
148	65.6	31.6	95.0





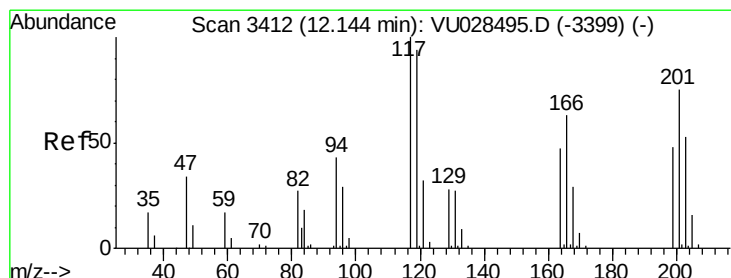
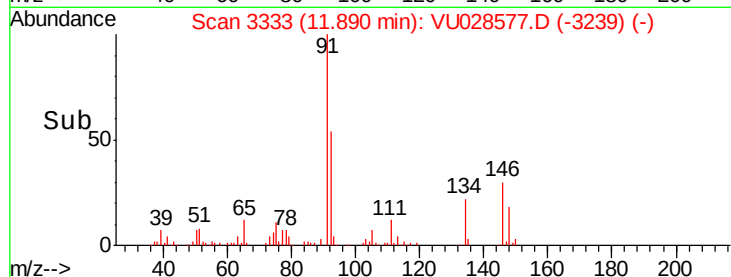
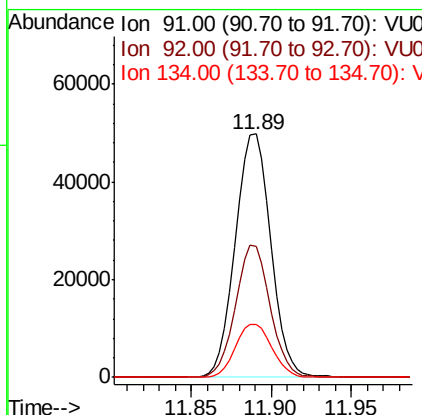
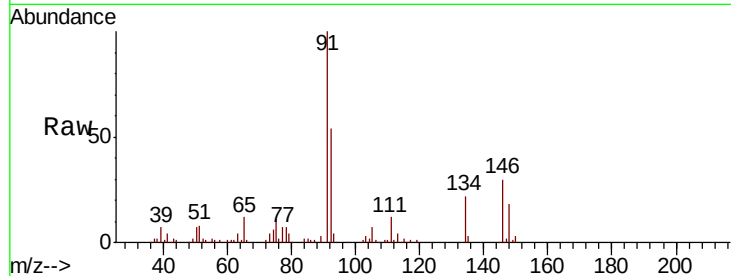
#89
n-Butylbenzene
Concen: 17.690 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.9
134	22.3	11.3	33.8

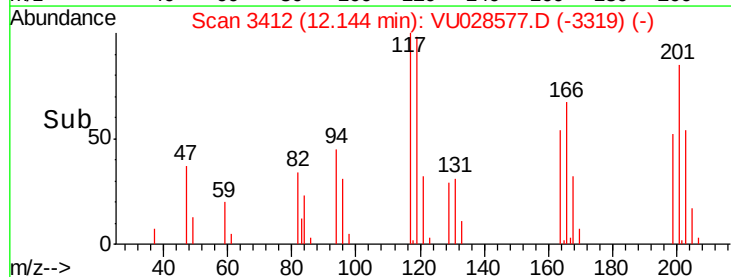
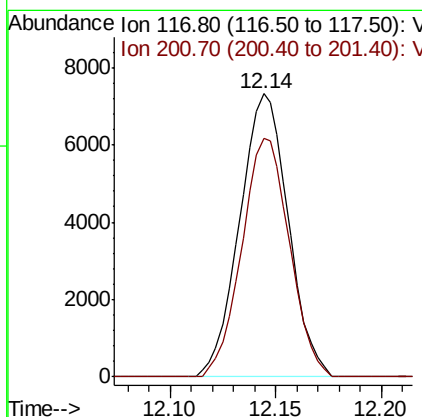
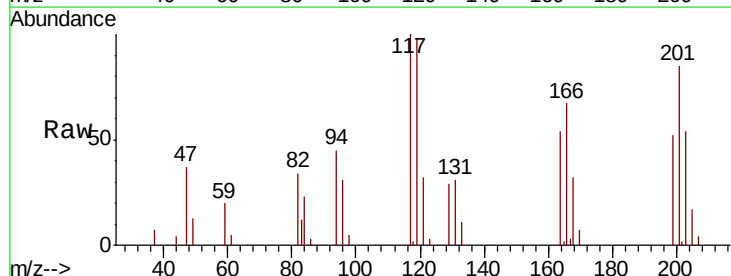
Manual Integrations
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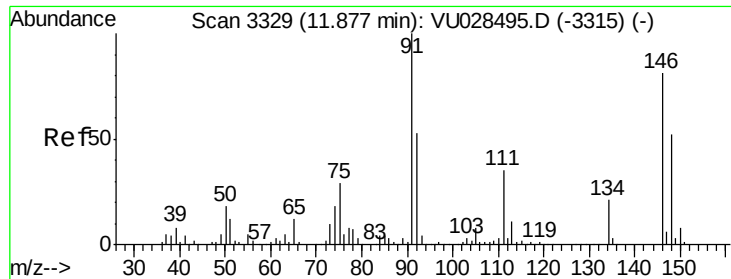
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#90
Hexachloroethane
Concen: 18.386 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.8	38.1	114.5





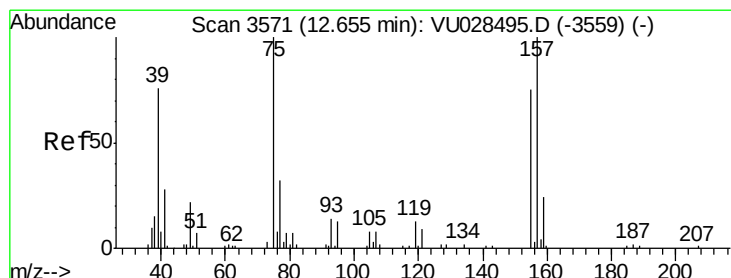
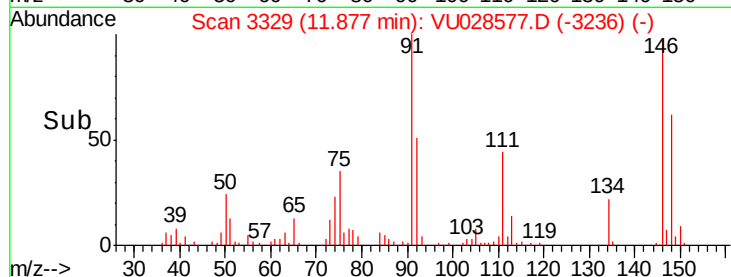
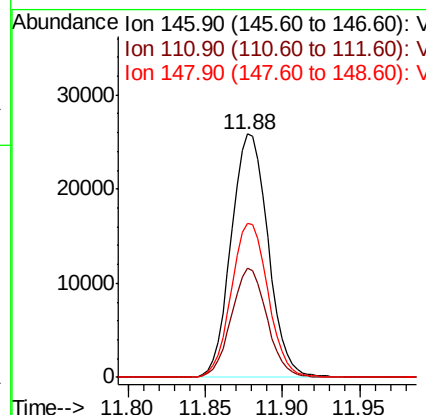
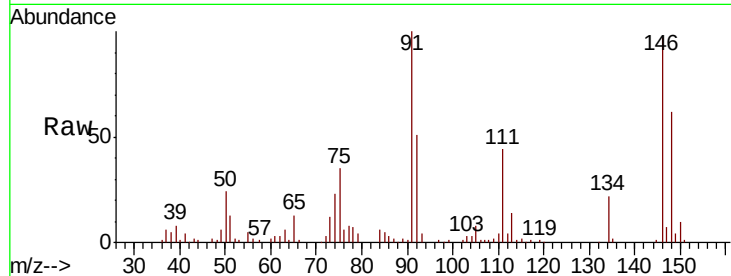
#91
 1,2-Dichlorobenzene
 Concen: 19.976 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.1	63.4
148	63.1	31.4	94.2

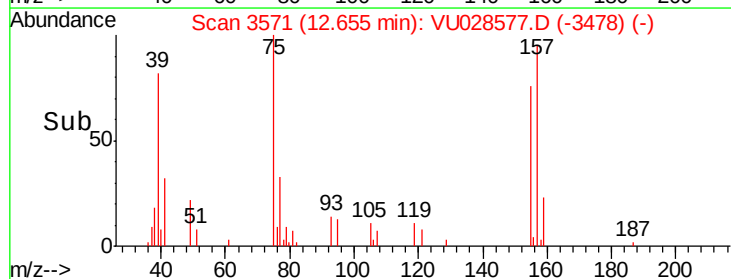
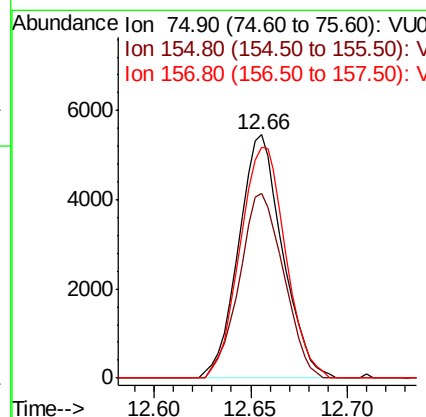
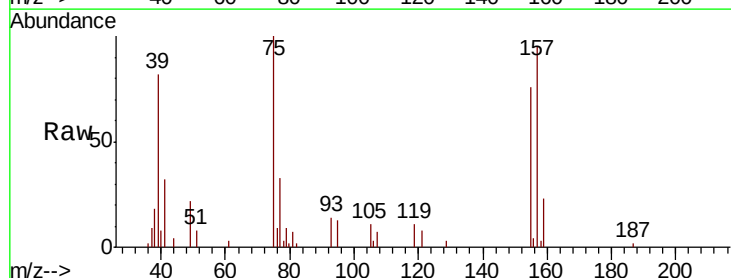
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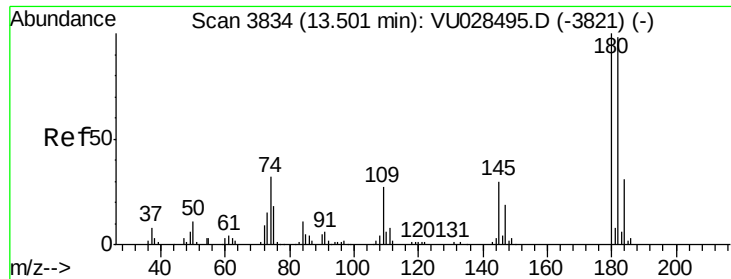
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.434 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.3	38.1	114.5
157	98.4	48.7	146.1





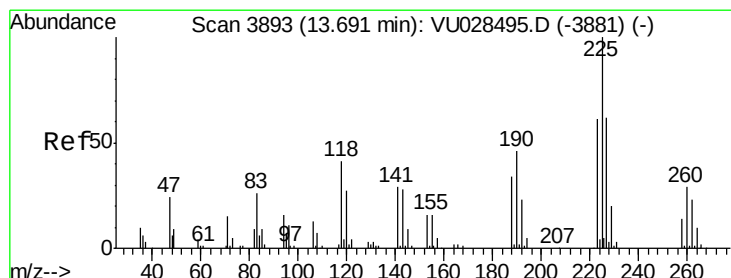
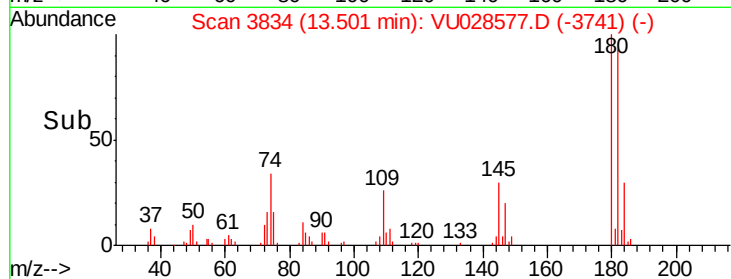
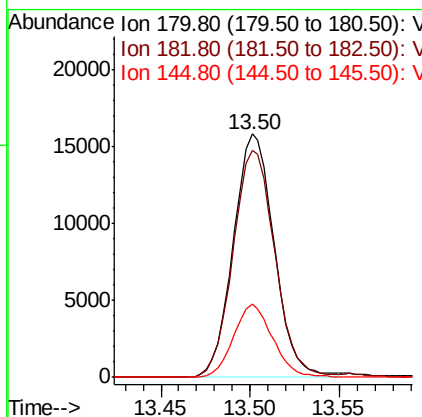
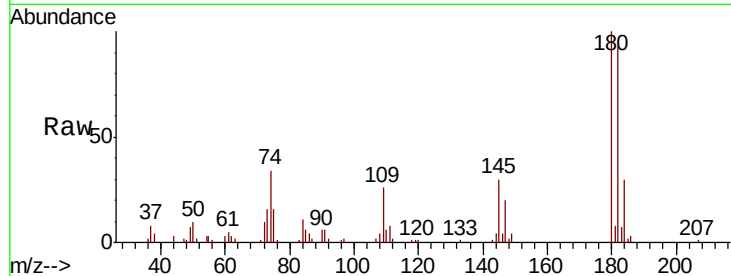
#93
 1,2,4-Trichlorobenzene
 Concen: 17.679 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.8
145	28.8	15.0	45.1

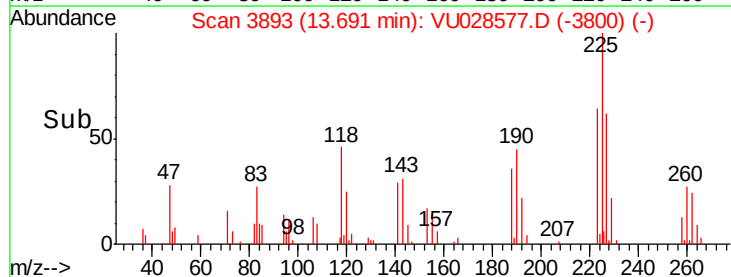
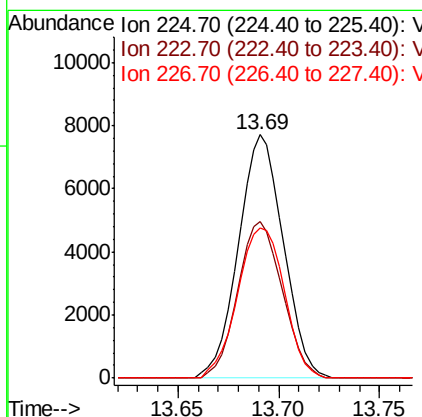
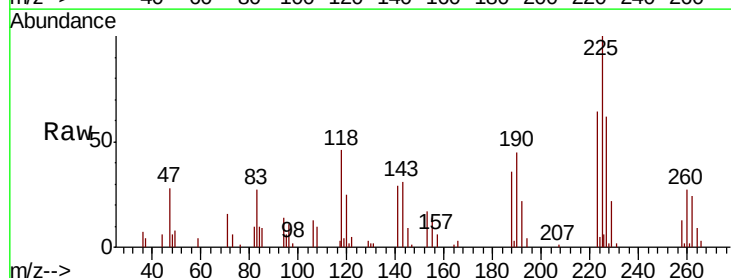
Manual Integrations
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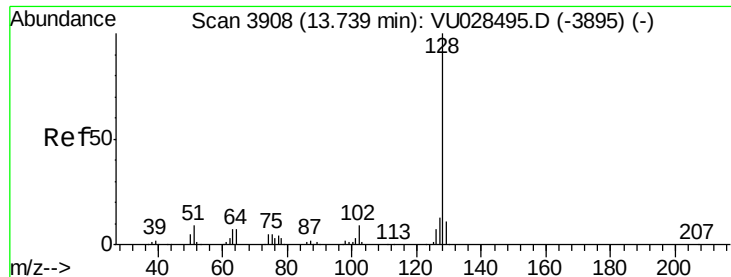
MMDadoda
 12/11/2018 12:11:08 PM



#94
 Hexachlorobutadiene
 Concen: 17.182 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	30.4	91.2
227	64.4	30.7	92.1





#95

Naphthalene

Concen: 17.209 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

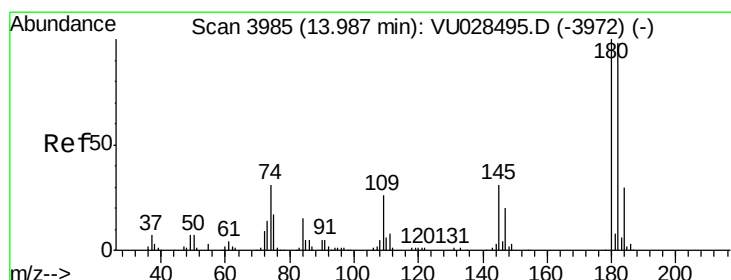
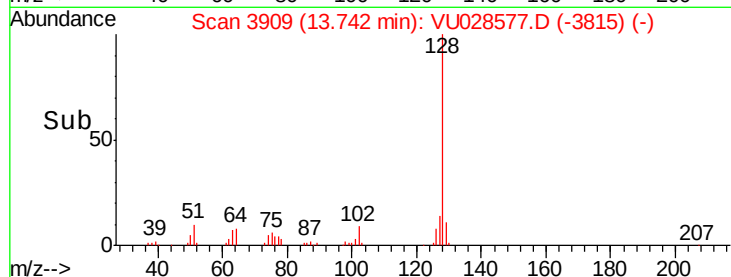
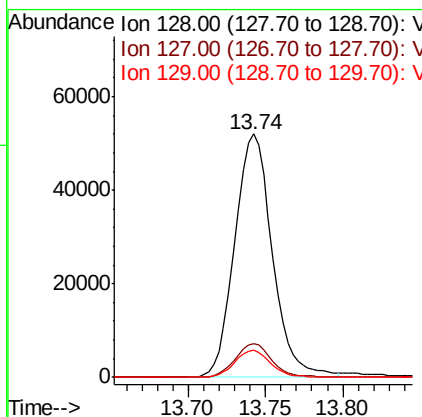
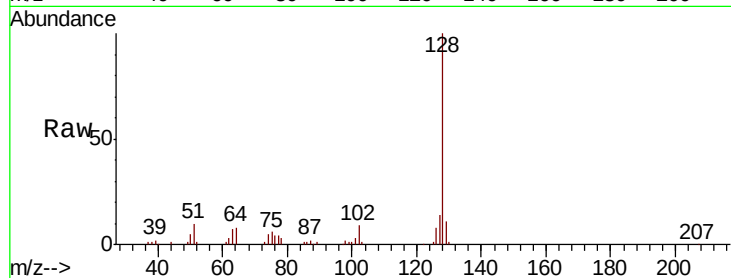
ClientSampleId :

VU1211WBS02

Tot Ion:	128	Resp:	88270
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	10.6	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.026 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Tgt Ion:	180	Resp:	26215
Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.2	144.6
145	31.4	15.8	47.3

