

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025888.D
 Acq On : 06 Aug 2018 16:07
 Operator : MD/SY
 Sample : VU0806WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 1:51:37 PM

Quant Time: Aug 07 01:21:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 00:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	167417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	245779	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	239747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	149852	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	131463	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
35) Dibromofluoromethane	4.89	113	106695	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	7.57	98	371230	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	10.31	95	141481	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	39758	15.71	ug/l	95
3) Chloromethane	1.33	50	45178	18.68	ug/l	96
4) Vinyl Chloride	1.41	62	43051	18.92	ug/l	99
5) Bromomethane	1.63	94	25781	23.19	ug/l	98
6) Chloroethane	1.70	64	27089	20.35	ug/l	97
7) Trichlorofluoromethane	1.89	101	62746	19.07	ug/l	100
8) Diethyl Ether	2.10	74	22921	19.25	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	38367	20.15	ug/l	100
10) Methyl Iodide	2.41	142	30747	22.93	ug/l	98
11) Tert butyl alcohol	2.83	59	51724	90.57	ug/l	98
12) 1,1-Dichloroethene	2.28	96	36416	20.26	ug/l	96
13) Acrolein	2.20	56	35414	170.58	ug/l	100
14) Allyl chloride	2.60	41	62266	19.28	ug/l	95
15) Acrylonitrile	2.94	53	119289	104.61	ug/l	99
16) Acetone	2.32	43	154159	121.22	ug/l	98
17) Carbon Disulfide	2.48	76	113094	19.44	ug/l	99
18) Methyl Acetate	2.62	43	59037	19.29	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	133999	20.57	ug/l	100
20) Methylene Chloride	2.70	84	49403	21.92	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	41242	19.85	ug/l	99
22) Diisopropyl ether	3.58	45	131267	20.62	ug/l	97
23) Vinyl Acetate	3.53	43	582259	104.96	ug/l	100
24) 1,1-Dichloroethane	3.45	63	78995	20.67	ug/l	99
25) 2-Butanone	4.27	43	218628	126.28	ug/l	98
26) 2,2-Dichloropropane	4.23	77	71489	20.58	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	47241	20.16	ug/l	98
28) Bromochloromethane	4.55	49	31183	18.25	ug/l	97
29) Tetrahydrofuran	4.64	42	107970	104.10	ug/l	98
30) Chloroform	4.68	83	82335	20.41	ug/l	100
31) Cyclohexane	5.00	56	68287	19.72	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	74612	20.55	ug/l	99
36) 1,1-Dichloropropene	5.14	75	60032	20.90	ug/l	99
37) Ethyl Acetate	4.39	43	64010	21.49	ug/l	99
38) Carbon Tetrachloride	5.14	117	69387	21.33	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	64045	19.46	ug/l	96
40) Benzene	5.39	78	171071	20.38	ug/l	100
41) Methacrylonitrile	4.55	41	34766	21.02	ug/l	98
42) 1,2-Dichloroethane	5.41	62	66677	20.62	ug/l	99
43) Isopropyl Acetate	5.55	43	100964	20.51	ug/l	99
44) Trichloroethene	6.19	130	47693	20.40	ug/l	99
45) 1,2-Dichloropropane	6.44	63	45386	20.73	ug/l	100
46) Dibromomethane	6.56	93	32882	20.72	ug/l	98
47) Bromodichloromethane	6.76	83	63450	20.96	ug/l	97
48) Methyl methacrylate	6.63	41	48602	20.15	ug/l	98
49) 1,4-Dioxane	6.62	88	21530	366.79	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	404042	131.13	ug/l	99
52) Toluene	7.64	92	109735	21.04	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	68504	20.16	ug/l	95
54) cis-1,3-Dichloropropene	7.27	75	72566	20.79	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	43478	20.06	ug/l	99
56) Ethyl methacrylate	8.02	69	62522	20.19	ug/l	98
57) 1,3-Dichloropropane	8.25	76	74769	20.51	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	117279	88.33	ug/l	100
59) 2-Hexanone	8.36	43	309577	128.17	ug/l	99
60) Dibromochloromethane	8.48	129	50793	19.87	ug/l	98
61) 1,2-Dibromoethane	8.59	107	50130	20.79	ug/l	99
64) Tetrachloroethene	8.23	164	44799	21.23	ug/l	99
65) Chlorobenzene	9.12	112	124668	20.17	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	47089	21.06	ug/l	98
67) Ethyl Benzene	9.25	91	207082	20.23	ug/l	96
68) m/p-Xylenes	9.38	106	162441	41.32	ug/l	100
69) o-Xylene	9.78	106	77231	20.10	ug/l	97
70) Styrene	9.80	104	128416	20.69	ug/l	98
71) Bromoform	9.96	173	38655	19.94	ug/l #	100
73) Isopropylbenzene	10.17	105	208625	20.40	ug/l	99
74) N-amyl acetate	10.02	43	85473	20.47	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	72160	20.40	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	64827m	19.63	ug/l	
77) Bromobenzene	10.45	156	55578	19.70	ug/l	96
78) n-propylbenzene	10.59	91	246780	20.67	ug/l	100
79) 2-Chlorotoluene	10.66	91	147212	21.05	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	180091	20.73	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.52	75	18978m	14.41	ug/l	
82) 4-Chlorotoluene	10.78	91	173468	21.05	ug/l	100
83) tert-Butylbenzene	11.10	119	171780	19.90	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	184229	20.93	ug/l	99
85) sec-Butylbenzene	11.33	105	208674	19.80	ug/l	100
86) p-Isopropyltoluene	11.48	119	186036	19.72	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	106581	20.35	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	109060	19.98	ug/l	99
89) n-Butylbenzene	11.89	91	165111	18.96	ug/l	99
90) Hexachloroethane	12.15	117	32696	19.49	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	105034	20.46	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17560	20.94	ug/l	94

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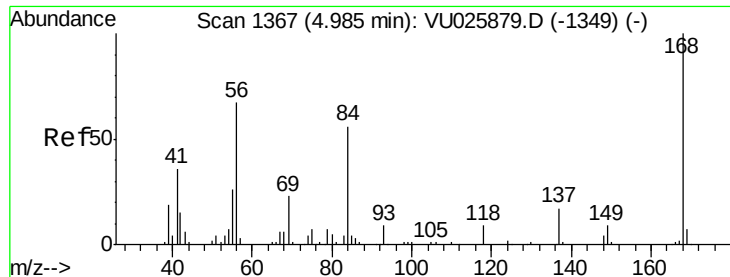
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	67803	19.57	ug/l	98
94) Hexachlorobutadiene	13.70	225	31624	17.32	ug/l	98
95) Naphthalene	13.75	128	196178	18.44	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	69072	19.99	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS01

Tot Ion:168 Resp: 167417

Ion Ratio Lower Upper

168 100

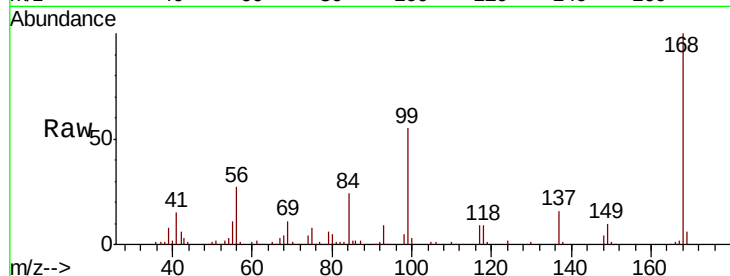
99 54.3 42.8 64.2

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Abundance Ion 167.90 (167.60 to 168.60): VU025879.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025879.D (-1349) (-)

4.99

80000

60000

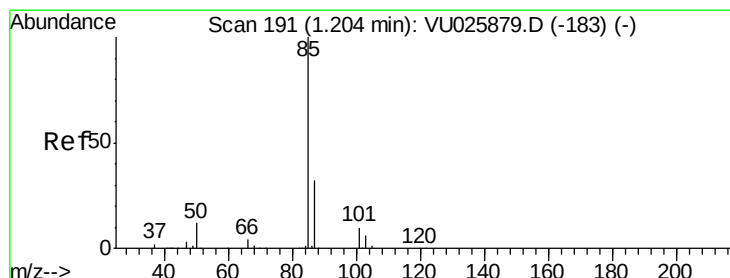
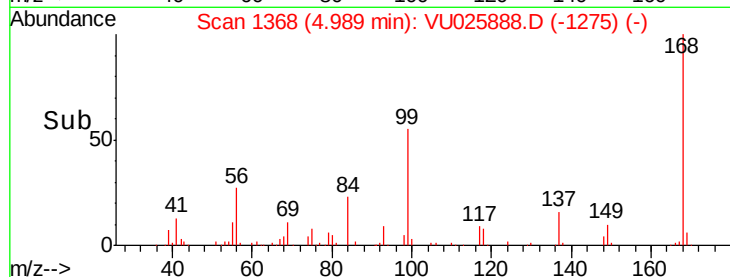
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 15.71 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025888.D

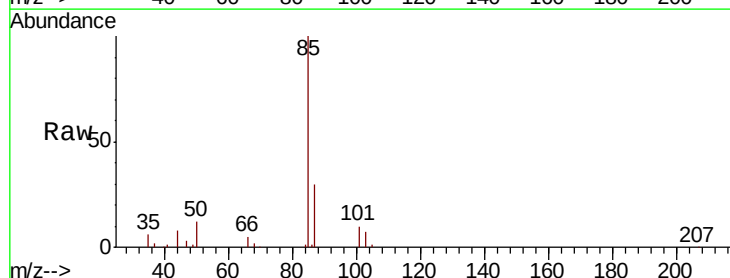
Acq: 06 Aug 2018 16:07

Tgt Ion: 85 Resp: 39758

Ion Ratio Lower Upper

85 100

87 29.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025879.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025879.D (-183) (-)

1.21

40000

30000

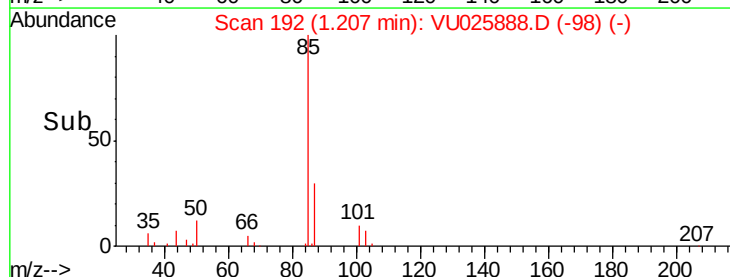
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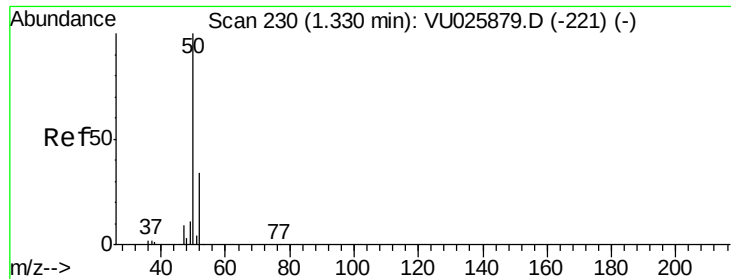
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 18.68 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS01

Tot Ion: 50 Resp: 45178

Ion Ratio Lower Upper

50 100

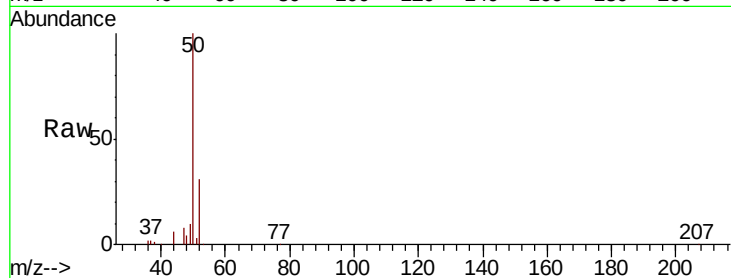
52 30.9 26.5 39.7

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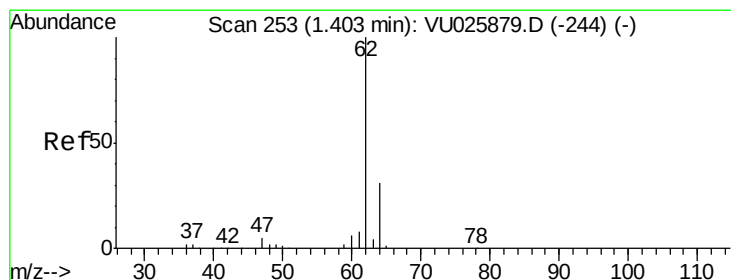
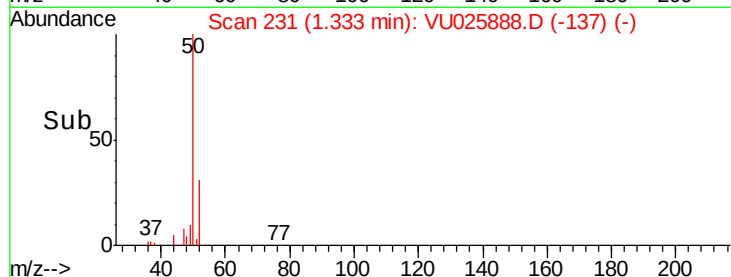
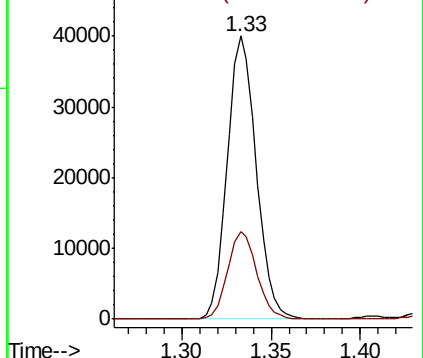
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 18.92 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025888.D

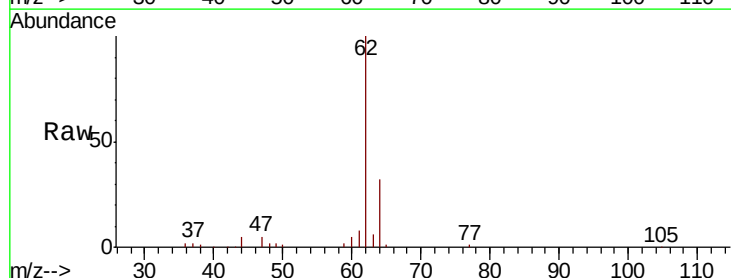
Acq: 06 Aug 2018 16:07

Tgt Ion: 62 Resp: 43051

Ion Ratio Lower Upper

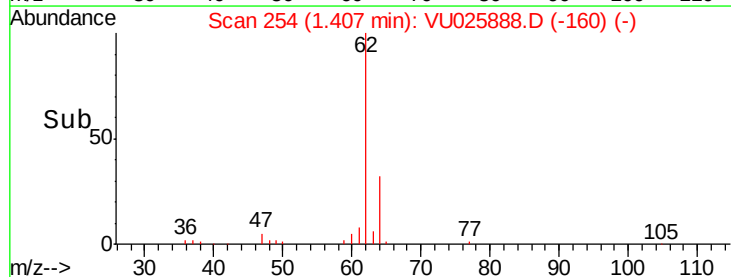
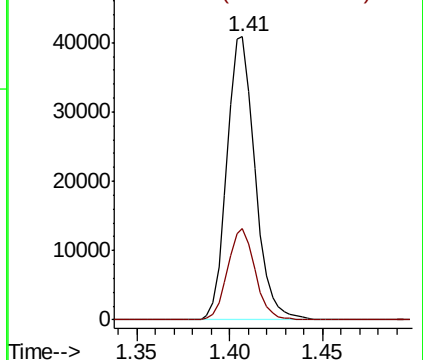
62 100

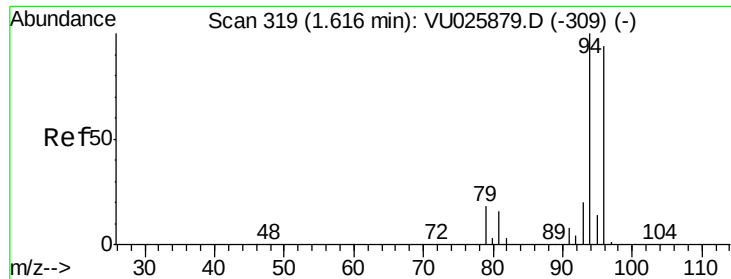
64 32.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 23.19 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS01

Tot Ion: 94 Resp: 25781

Ion Ratio Lower Upper

94 100

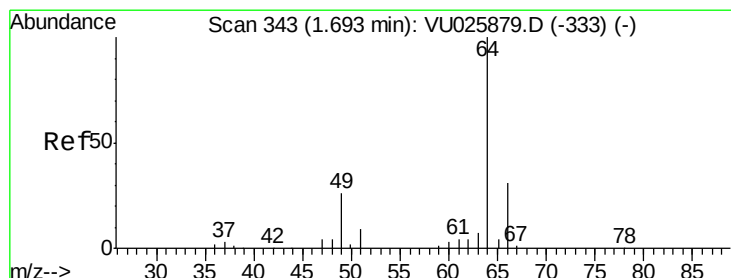
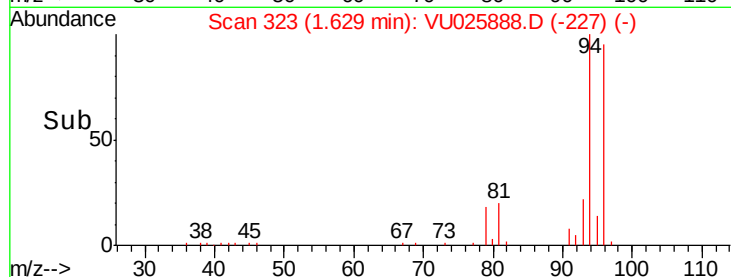
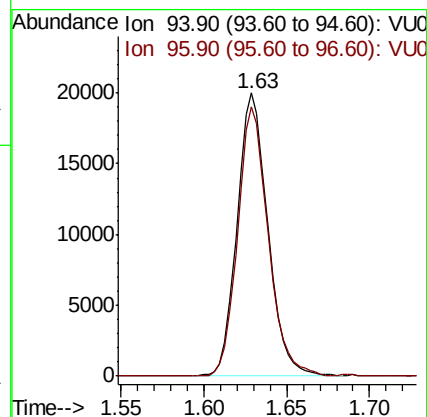
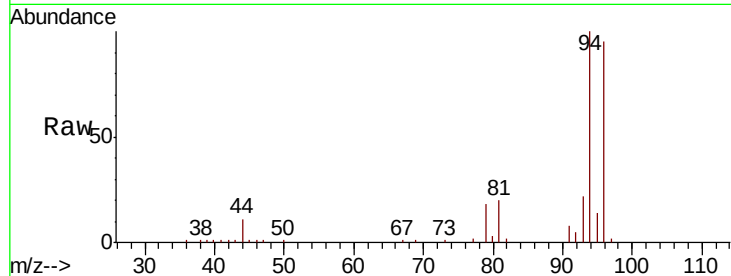
96 95.4 75.0 112.4

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#6

Chloroethane

Concen: 20.35 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025888.D

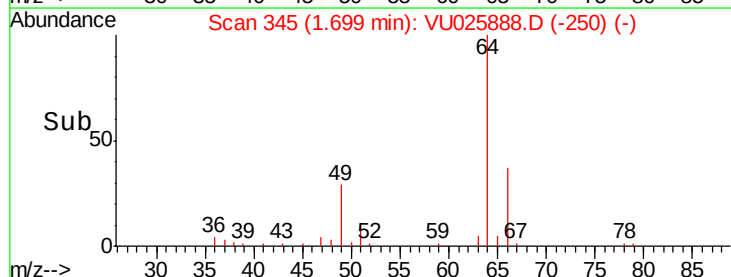
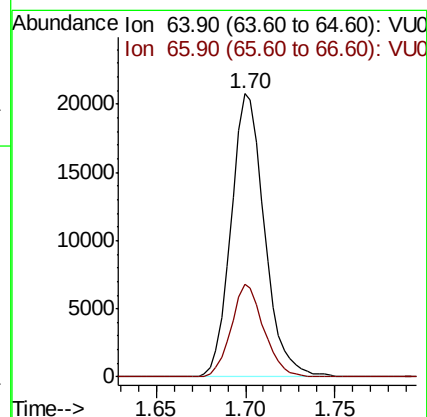
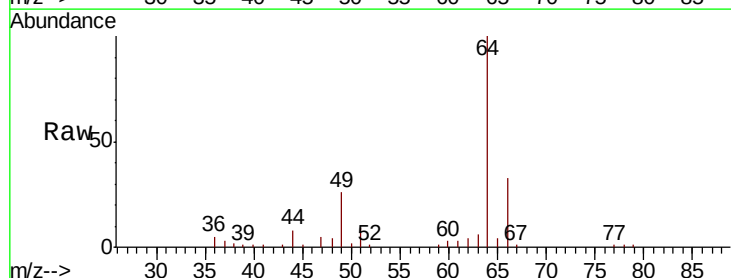
Acq: 06 Aug 2018 16:07

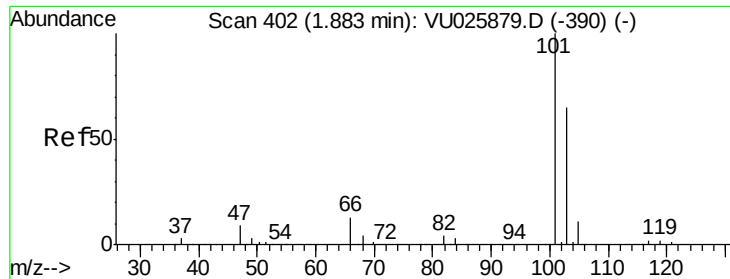
Tgt Ion: 64 Resp: 27089

Ion Ratio Lower Upper

64 100

66 32.9 25.0 37.4





#7

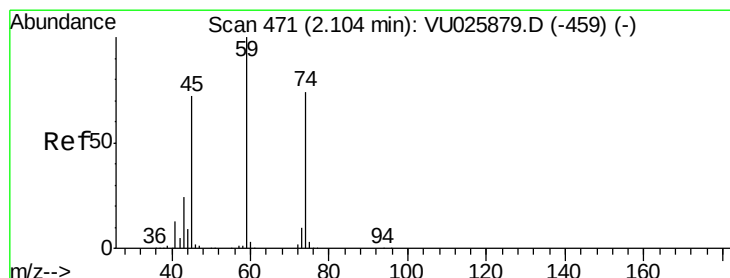
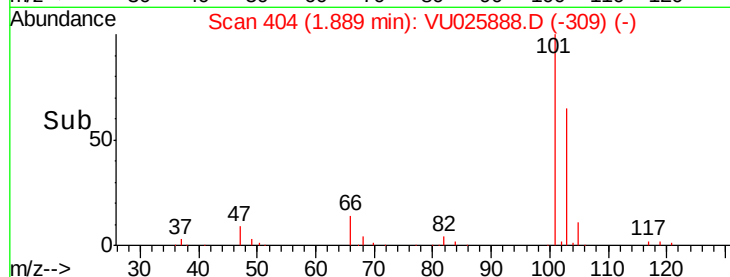
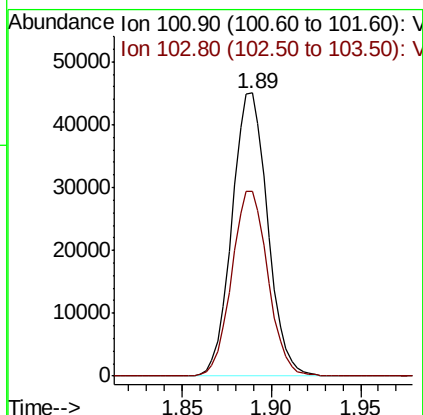
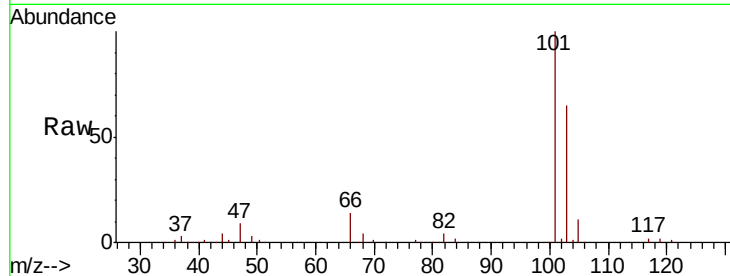
Trichlorofluoromethane
 Concen: 19.07 ug/l
 RT: 1.89 min Scan# 404
 Delta R.T. 0.01 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS01

Tot Ion:101 Resp: 62746
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.2 78.2

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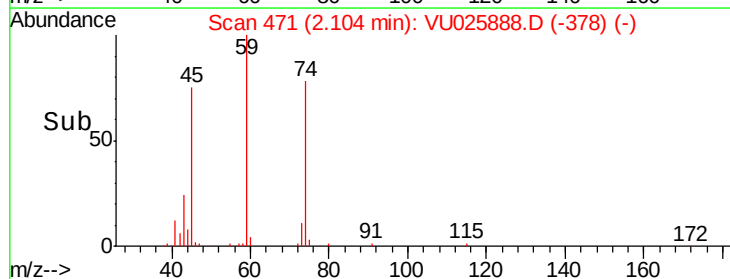
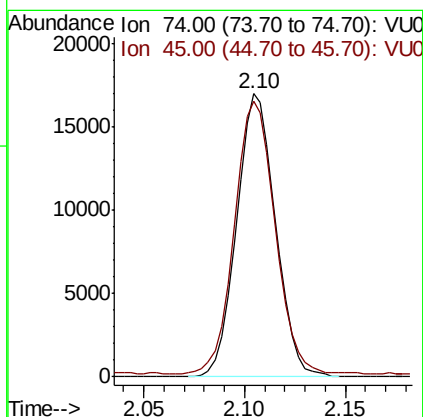
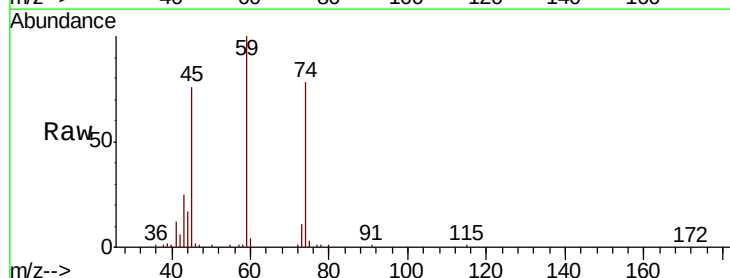
MMDadoda
 8/7/2018 1:51:37 PM

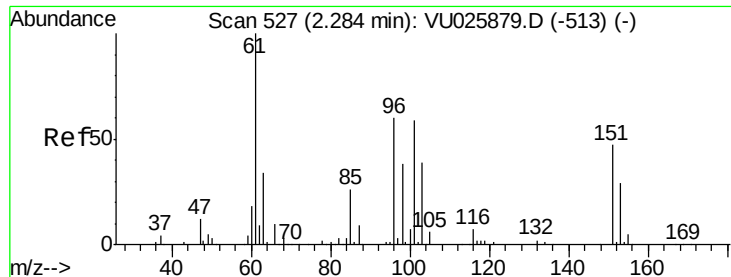


#8

Diethyl Ether
 Concen: 19.25 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Tgt Ion: 74 Resp: 22921
 Ion Ratio Lower Upper
 74 100
 45 101.0 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.15 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Instrument :

MSVOA_U

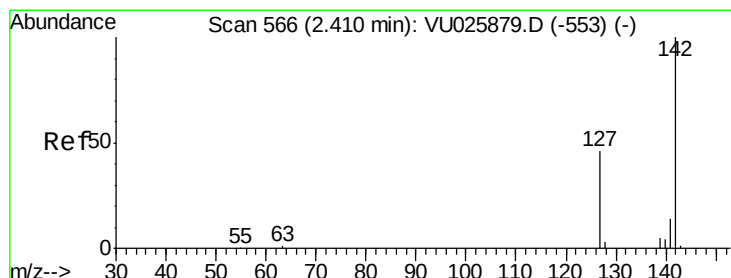
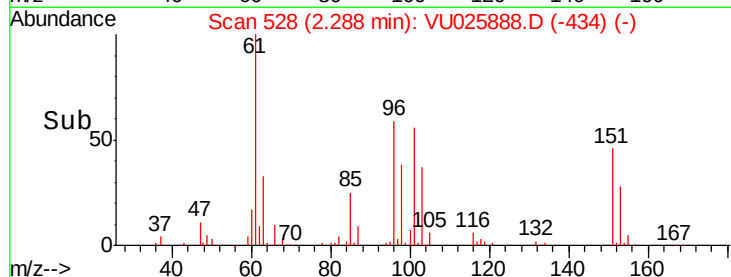
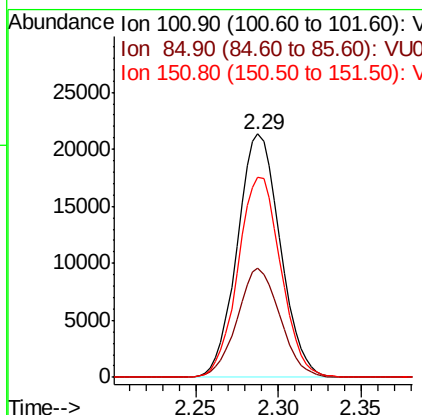
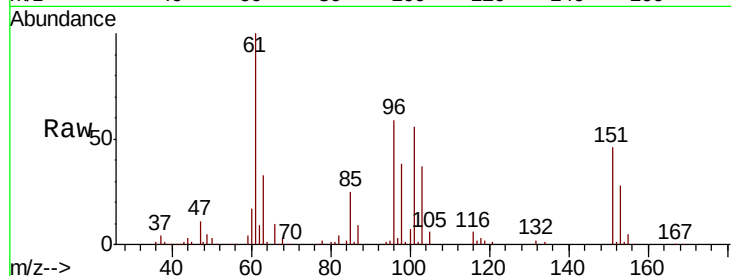
ClientSampleId :

VU0806WBS01

Tot Ion:	101	Resp:	38367
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.0	54.0
151	82.2	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 22.93 ug/l

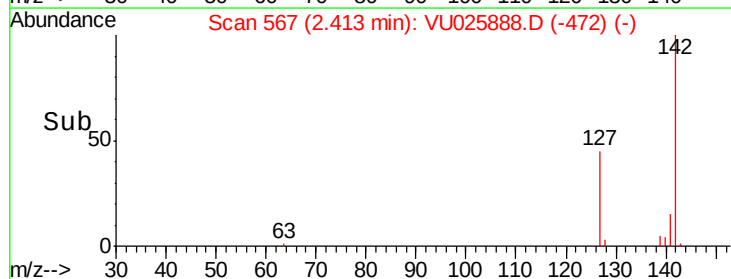
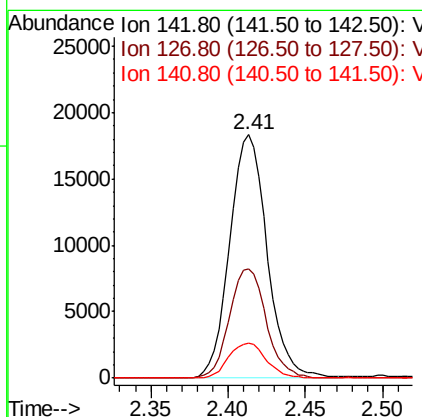
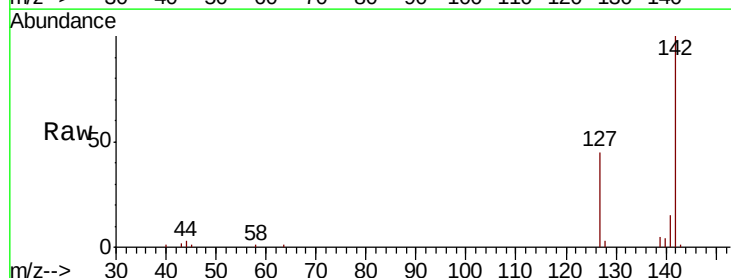
RT: 2.41 min Scan# 567

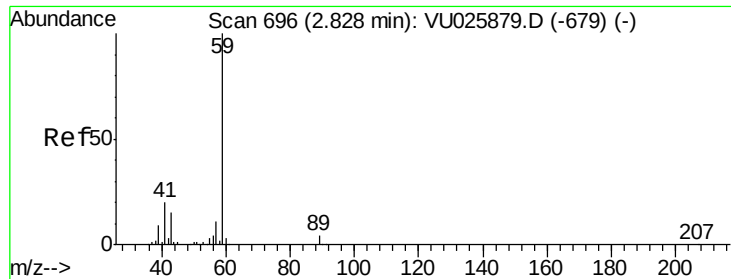
Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Tgt Ion:	142	Resp:	30747
Ion Ratio	Lower	Upper	
142	100		
127	44.0	36.5	54.7
141	14.4	11.4	17.2





#11

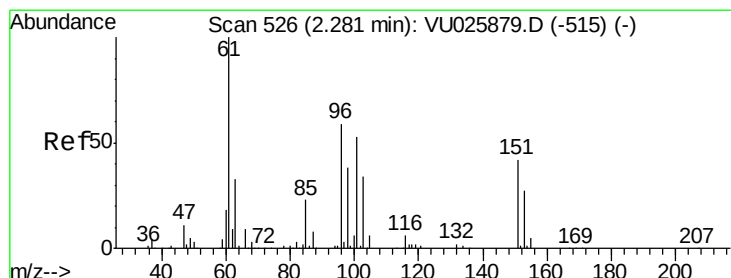
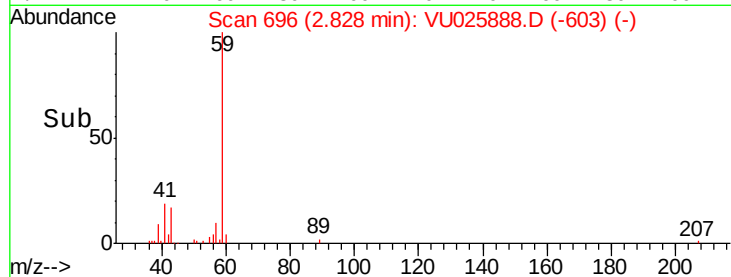
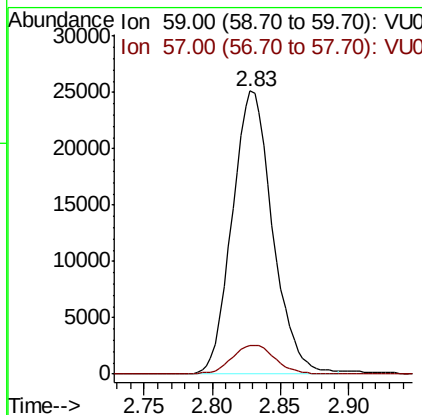
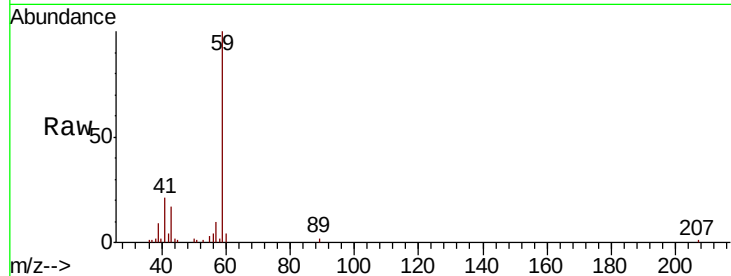
Tert butyl alcohol
 Concen: 90.57 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	51724		
57	57	10.9		8.2	12.2

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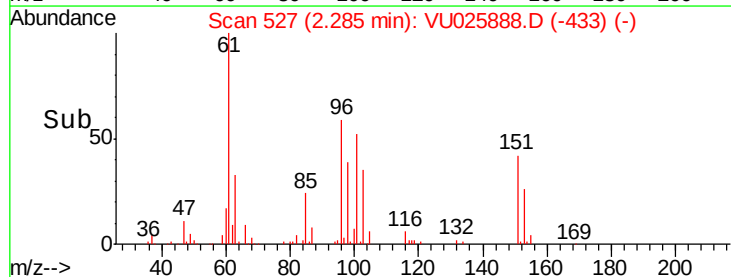
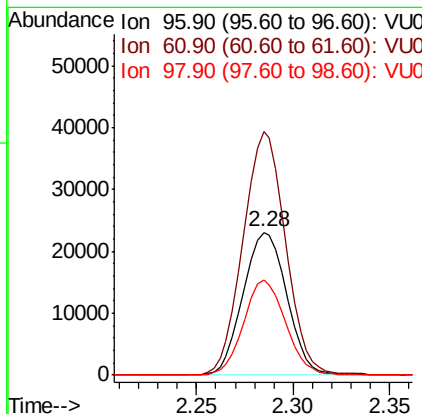
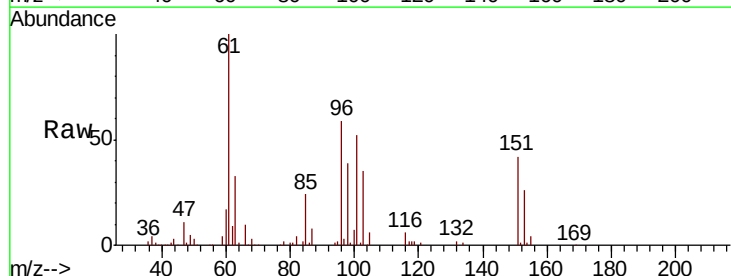
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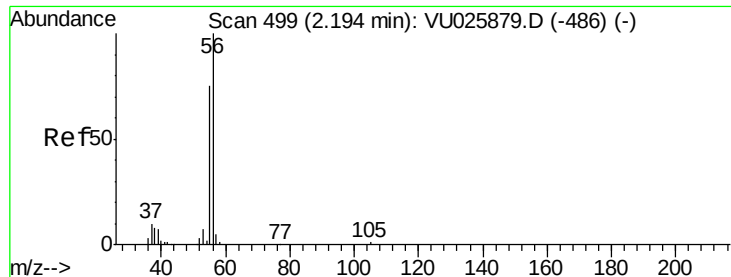


#12

1,1-Dichloroethene
 Concen: 20.26 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	36416		
61	61	170.1		140.2	210.4
98	98	66.6		49.3	73.9





#13

Acrolein

Concen: 170.58 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS01

Tot Ion: 56 Resp: 35414

Ion Ratio Lower Upper

56 100

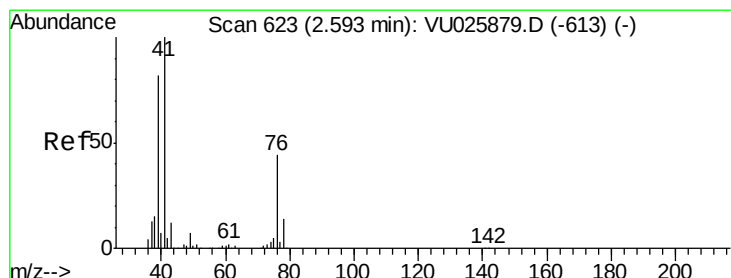
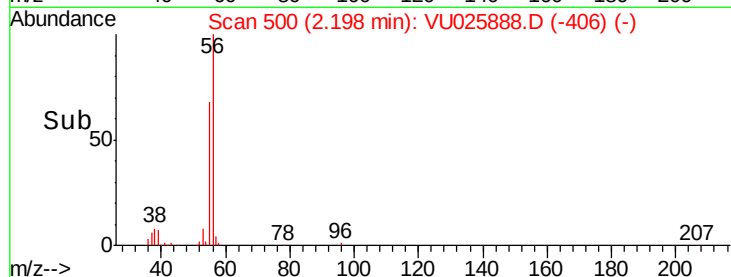
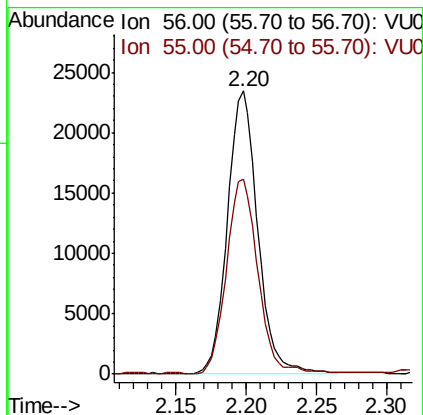
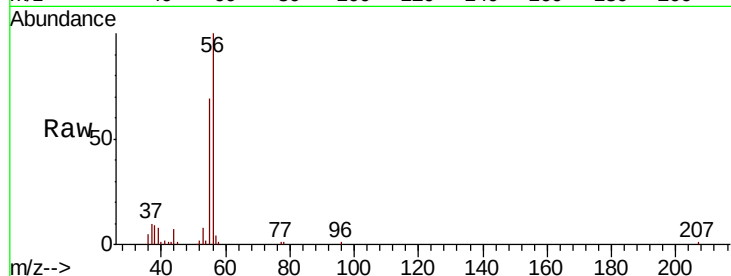
55 71.5 57.2 85.8

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#14

Allyl chloride

Concen: 19.28 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

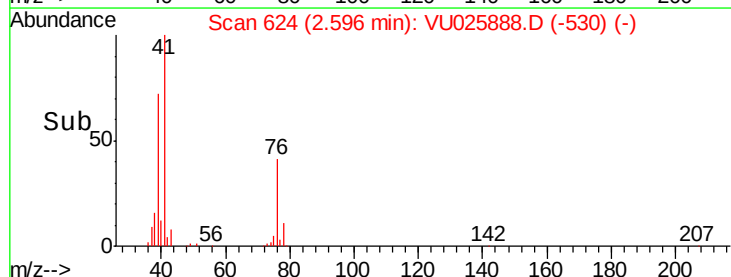
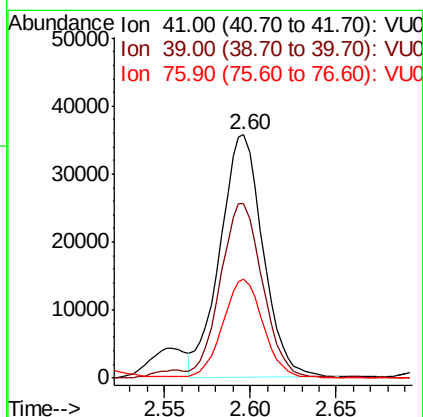
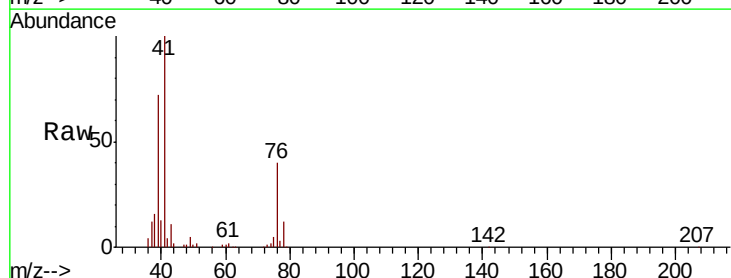
Tgt Ion: 41 Resp: 62266

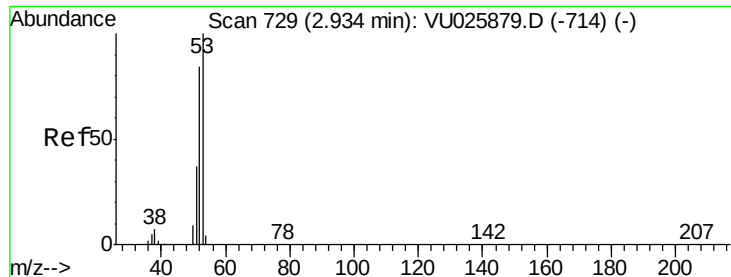
Ion Ratio Lower Upper

41 100

39 70.6 60.6 91.0

76 39.0 30.5 45.7





#15

Acrylonitrile

Concen: 104.61 ug/l

RT: 2.94 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Instrument :

MSVOA_U

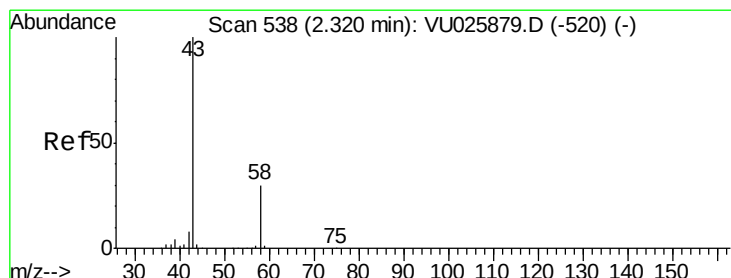
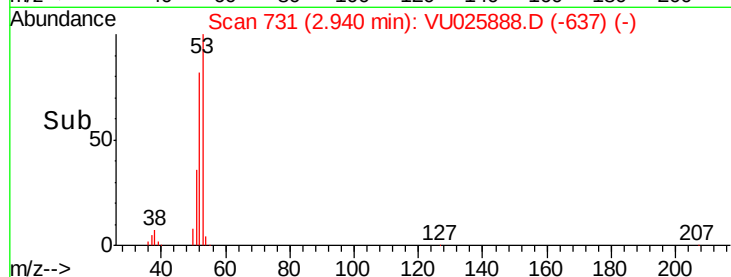
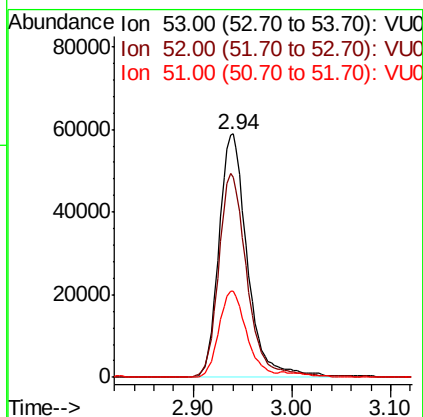
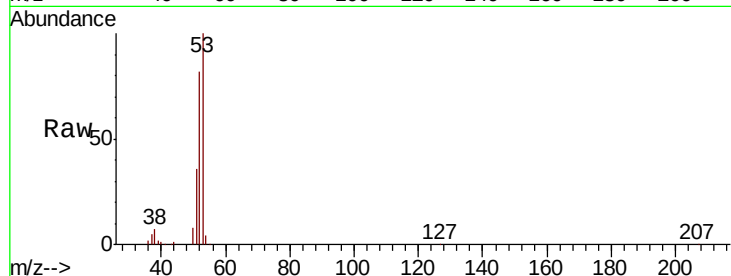
ClientSampleId :

VU0806WBS01

Tot Ion:	53	Resp:	119289
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.6	99.8
51	34.5	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 121.22 ug/l

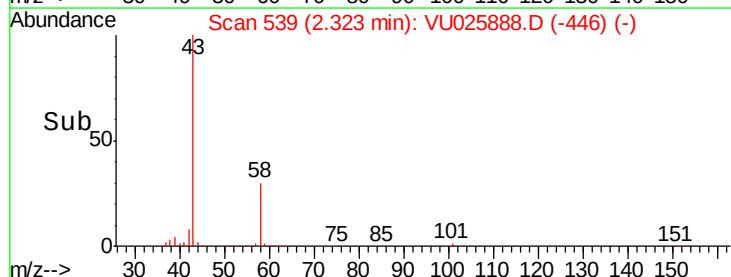
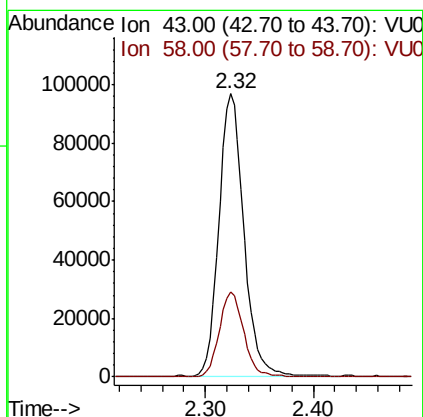
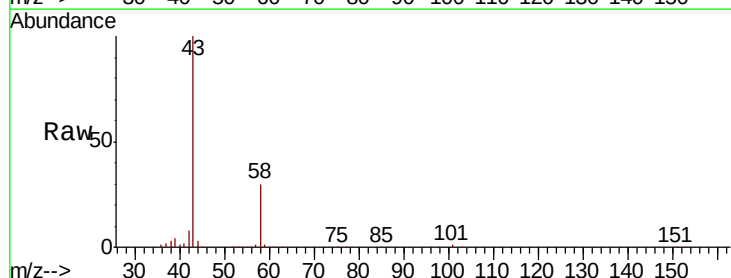
RT: 2.32 min Scan# 539

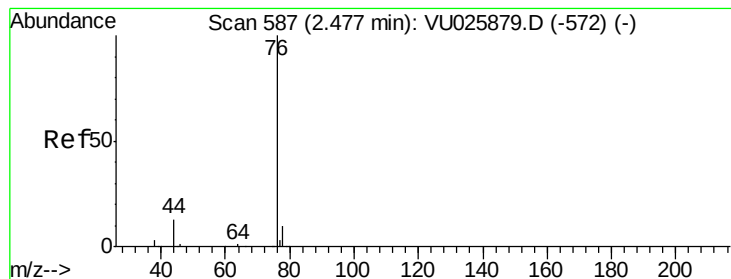
Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Tgt Ion:	43	Resp:	154159
Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.1	34.7





#17

Carbon Disulfide

Concen: 19.44 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS01

Tot Ion: 76 Resp: 113094

Ion Ratio Lower Upper

76 100

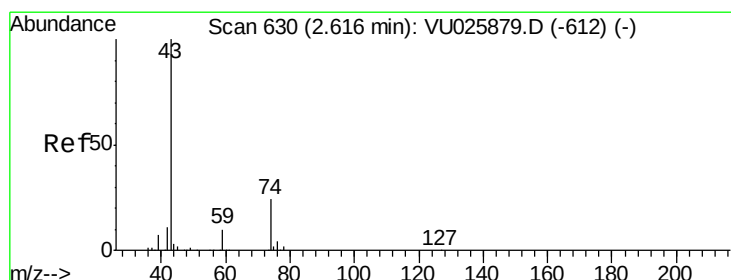
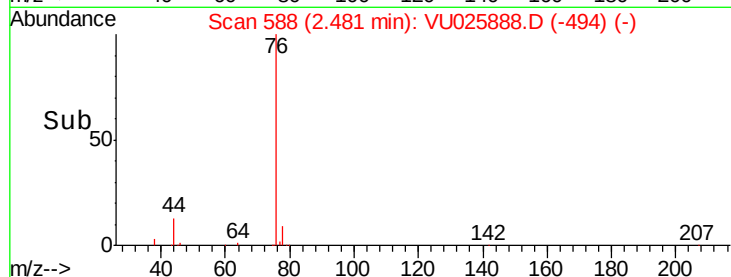
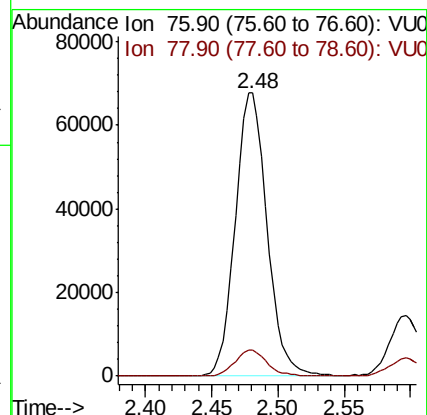
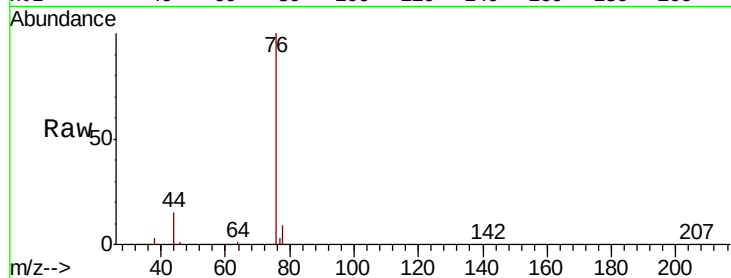
78 9.1 7.4 11.2

Manual Integrations

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#18

Methyl Acetate

Concen: 19.29 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025888.D

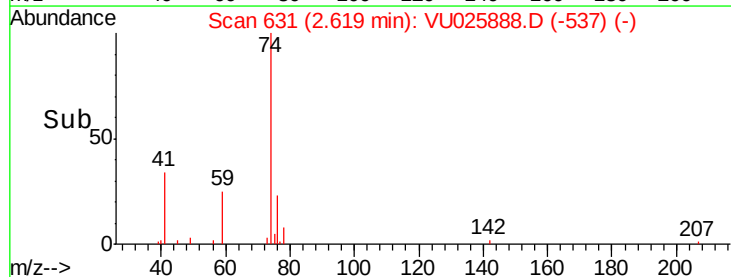
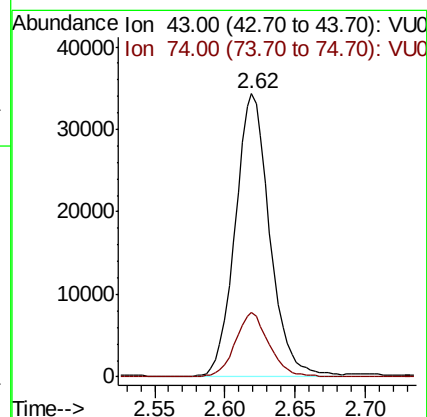
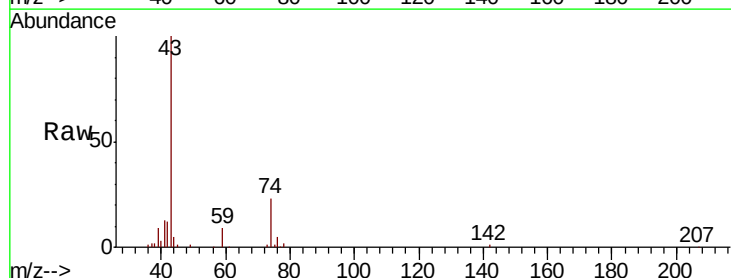
Acq: 06 Aug 2018 16:07

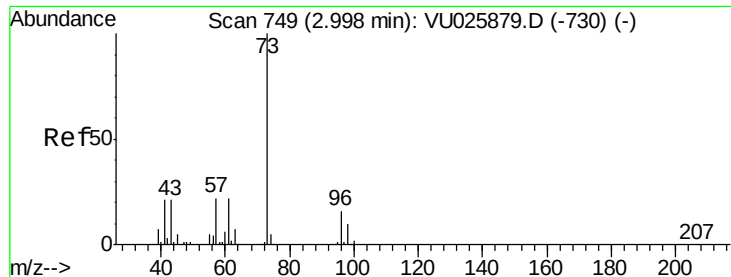
Tgt Ion: 43 Resp: 59037

Ion Ratio Lower Upper

43 100

74 22.0 18.5 27.7





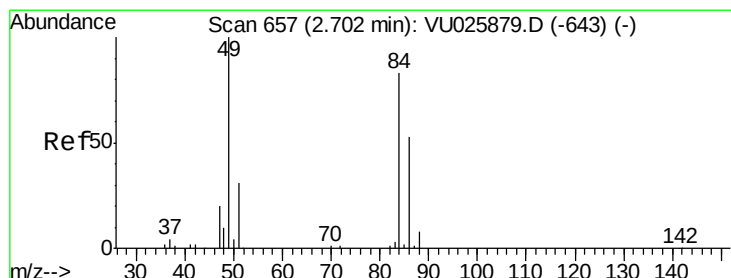
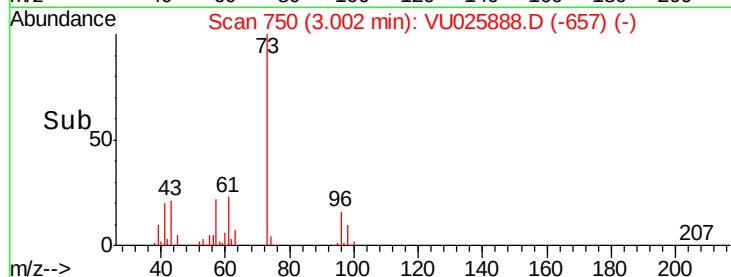
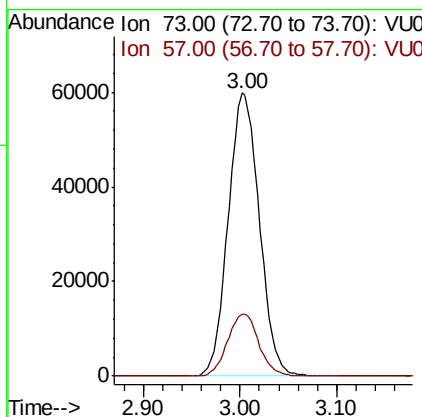
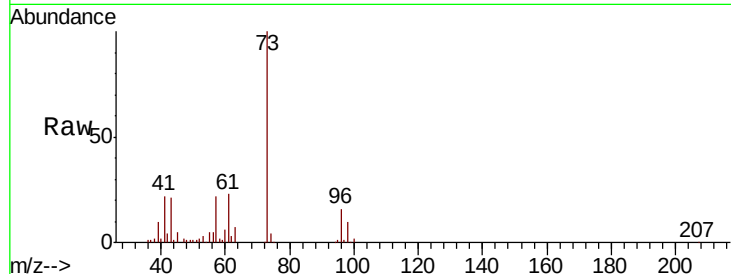
#19
Methyl tert-butyl Ether
Concen: 20.57 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2

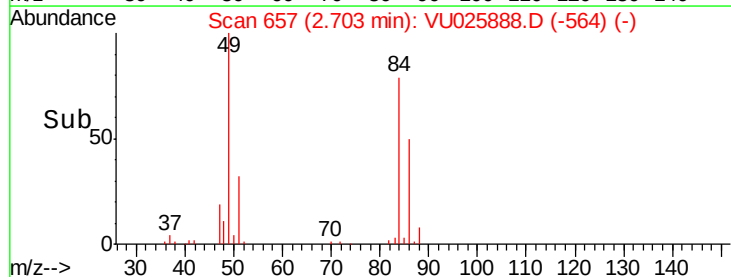
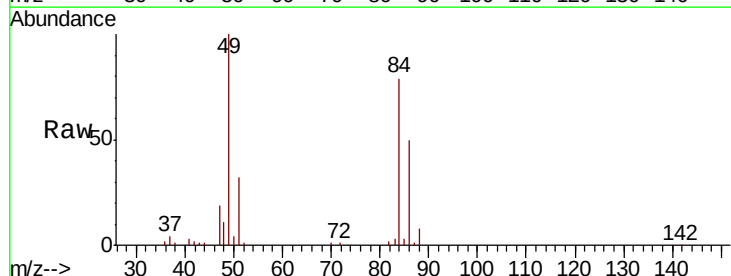
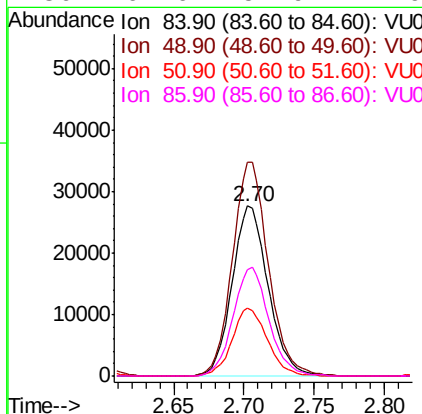
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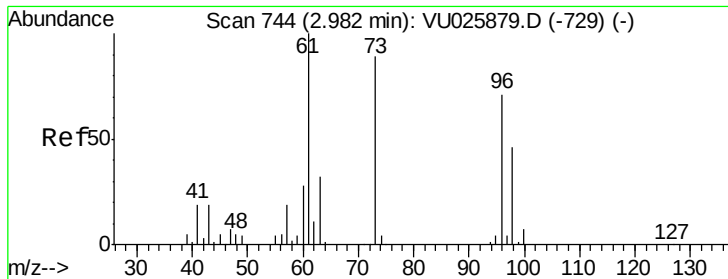
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#20
Methylene Chloride
Concen: 21.92 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.9	101.8	152.6
51	40.1	30.8	46.2
86	62.6	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 19.85 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Instrument :

MSVOA_U

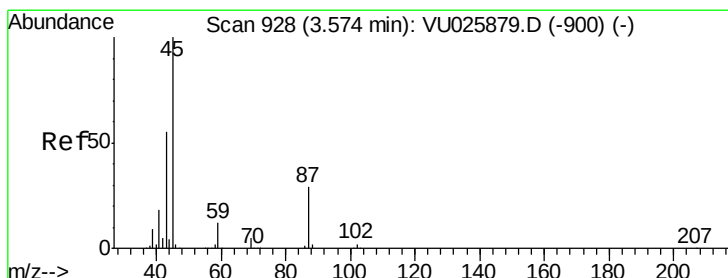
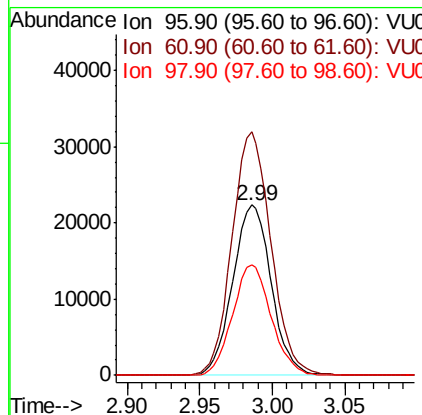
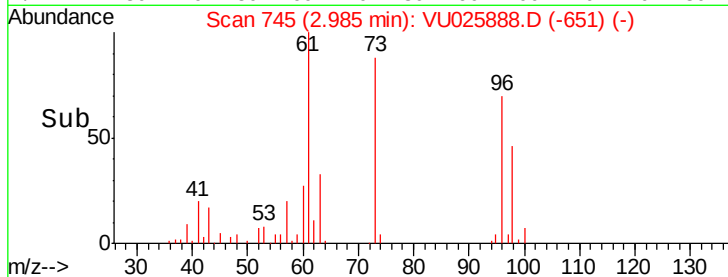
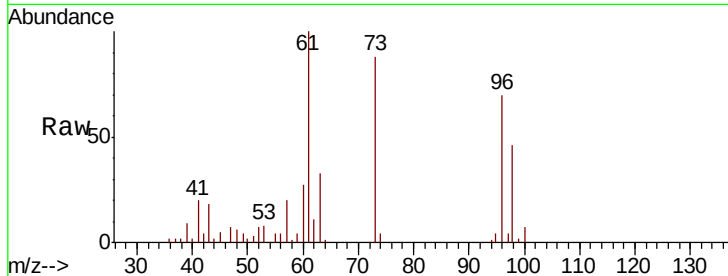
ClientSampleId :

VU0806WBS01

Tot Ion:	96	Resp:	41242
Ion	Ratio	Lower	Upper
96	100		
61	142.9	114.5	171.7
98	65.1	50.5	75.7

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#22

Diisopropyl ether

Concen: 20.62 ug/l

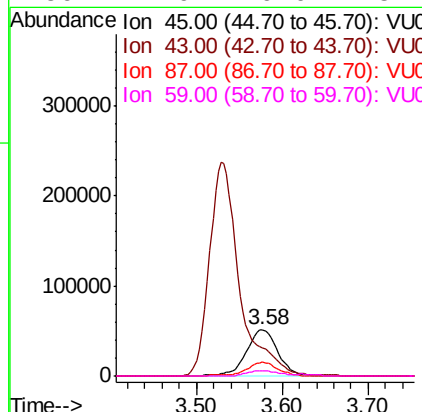
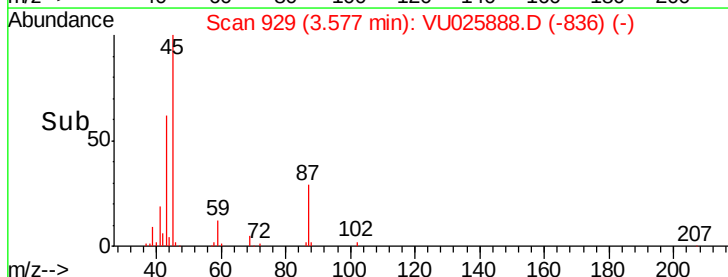
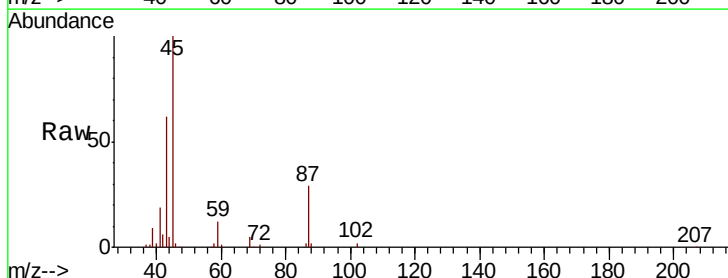
RT: 3.58 min Scan# 929

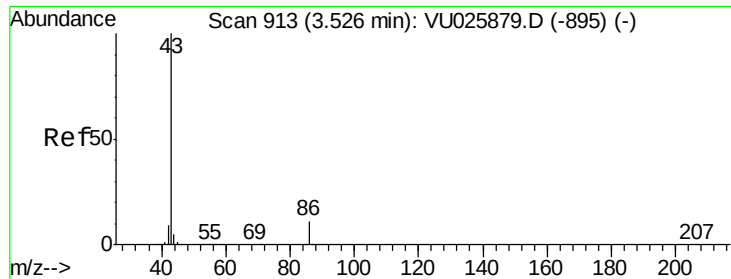
Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Tgt Ion:	45	Resp:	131267
Ion	Ratio	Lower	Upper
45	100		
43	60.5	50.9	76.3
87	29.2	23.8	35.8
59	11.9	9.0	13.4





#23

Vinyl Acetate

Concen: 104.96 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS01

Tot Ion: 43 Resp: 582259

Ion Ratio Lower Upper

43 100

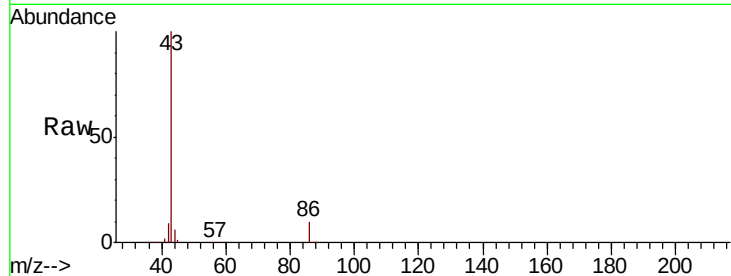
86 10.3 8.2 12.2

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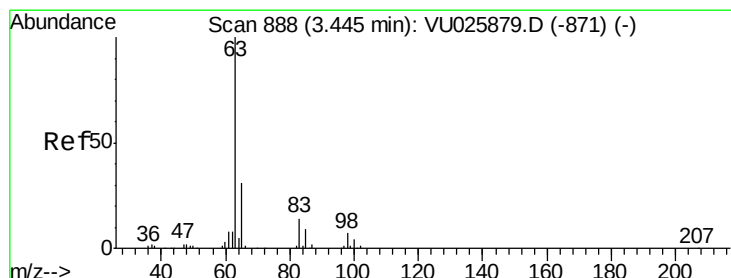
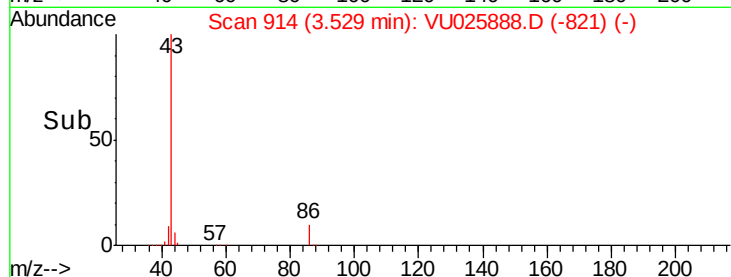
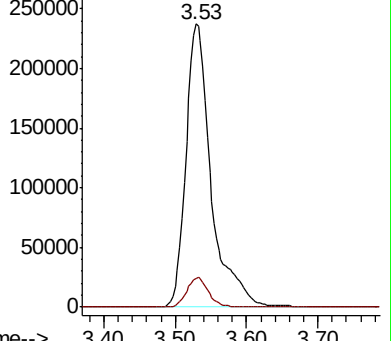
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 20.67 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

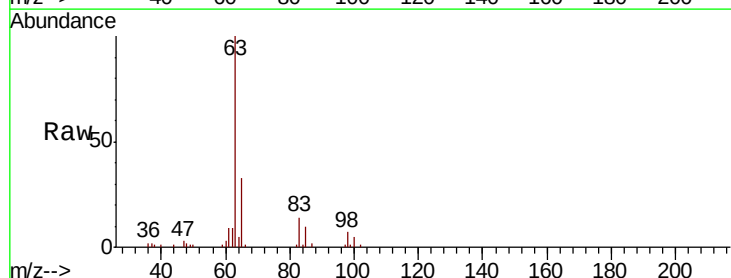
Tgt Ion: 63 Resp: 78995

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

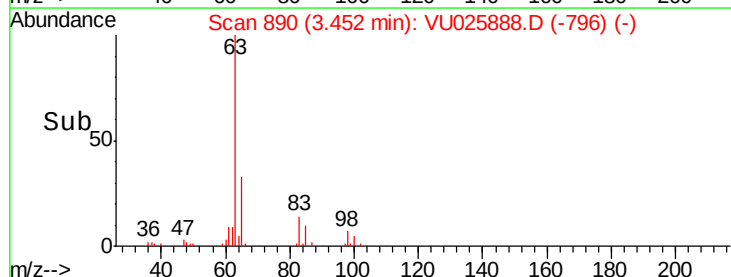
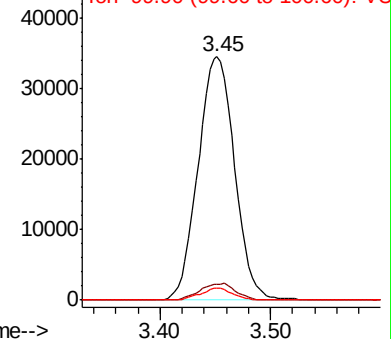
100 5.1 2.0 6.0

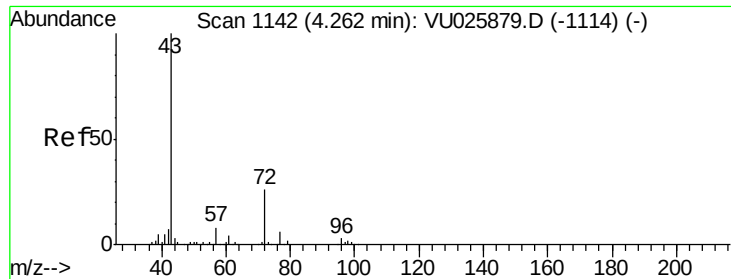


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





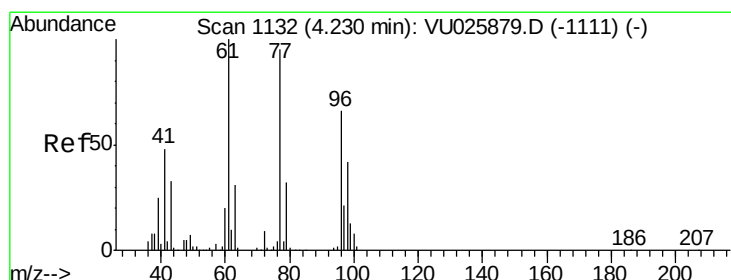
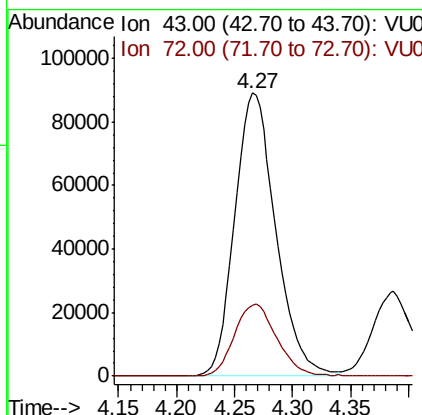
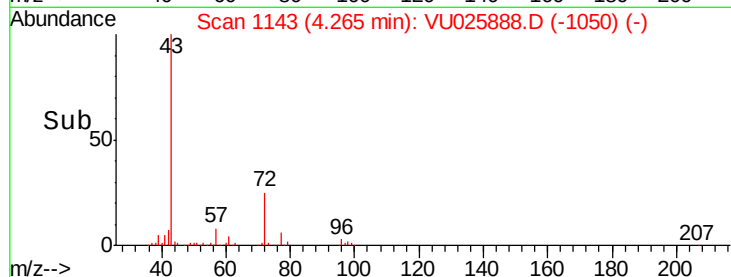
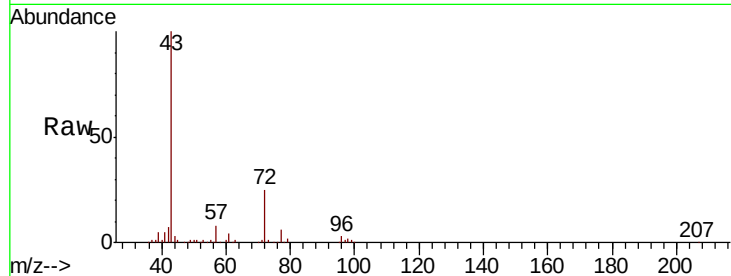
#25
2-Butanone
Concen: 126.28 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS01

Tot Ion: 43 Resp: 218628
Ion Ratio Lower Upper
43 100
72 25.2 21.0 31.4

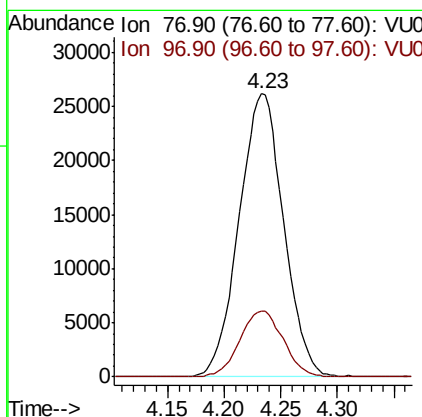
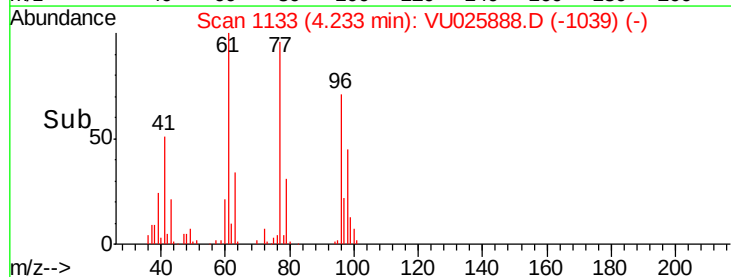
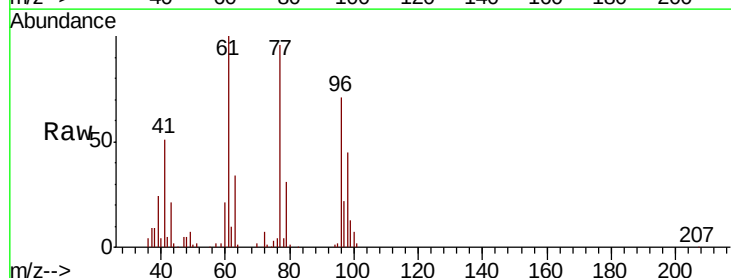
Manual Integrations
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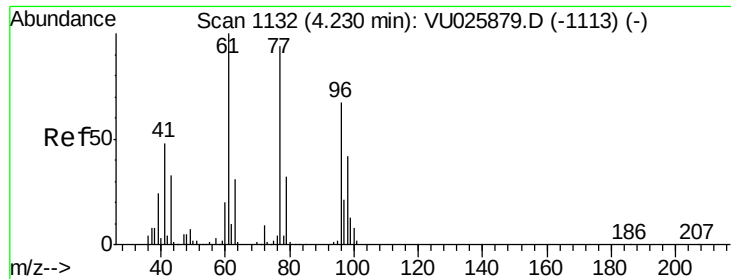
MMDadoda
8/7/2018 1:51:37 PM



#26
2,2-Dichloropropane
Concen: 20.58 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Tgt Ion: 77 Resp: 71489
Ion Ratio Lower Upper
77 100
97 22.6 11.2 33.5





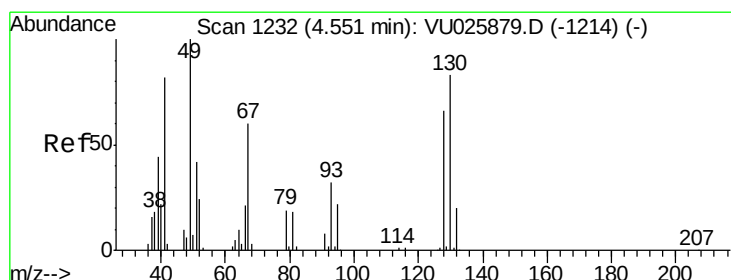
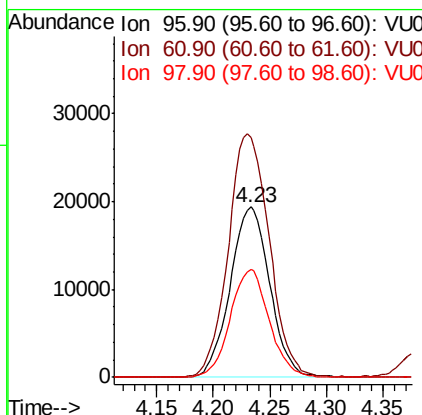
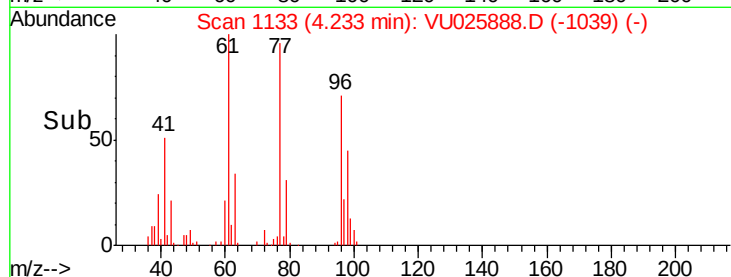
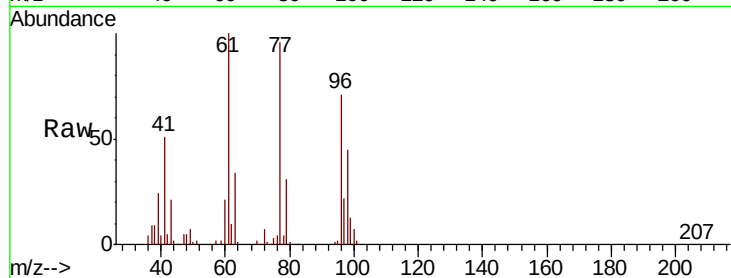
#27
 cis-1,2-Dichloroethene
 Concen: 20.16 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	299.8
98	62.0	0.0	128.6

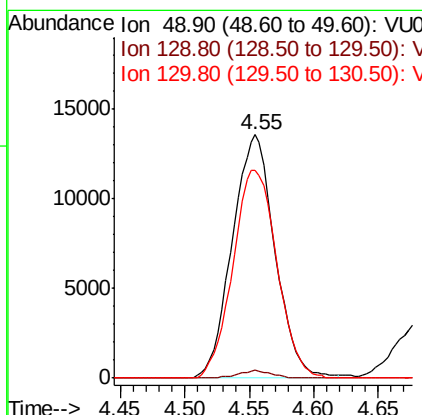
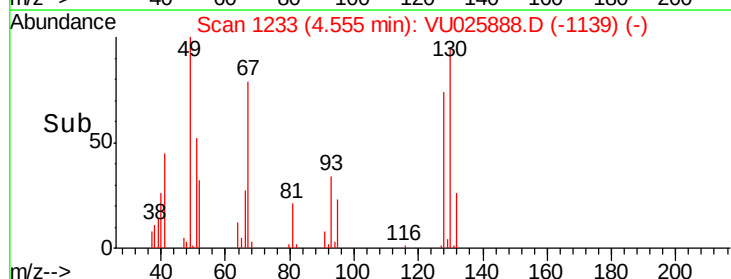
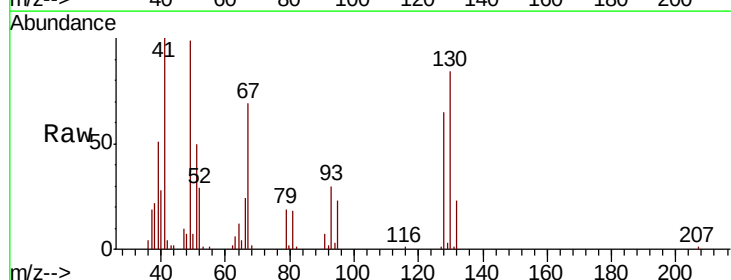
Manual Integrations
 APPROVED

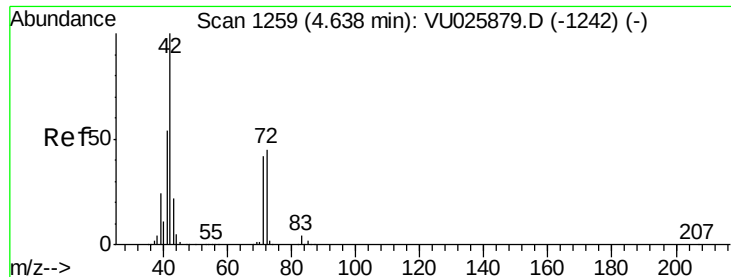
MMDadoda
 8/7/2018 1:51:37 PM



#28
 Bromochloromethane
 Concen: 18.25 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.6
130	88.4	68.6	102.8





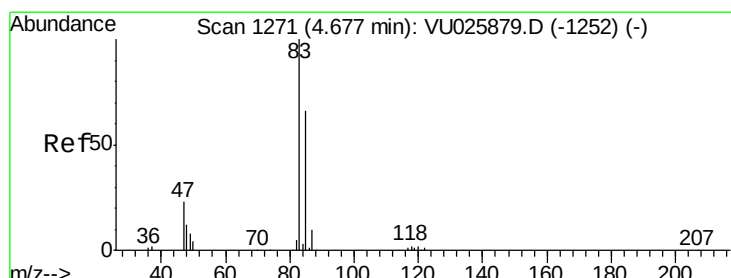
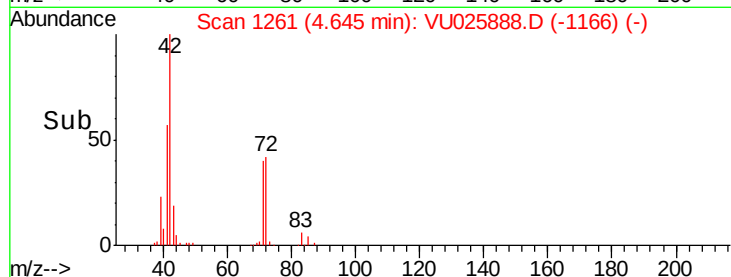
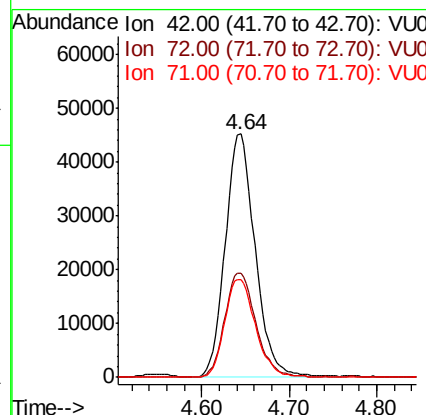
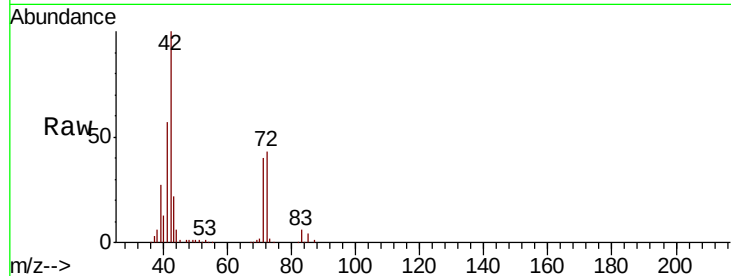
#29
Tetrahydrofuran
Concen: 104.10 ug/l
RT: 4.64 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	36.7	55.1
71	41.4	33.9	50.9

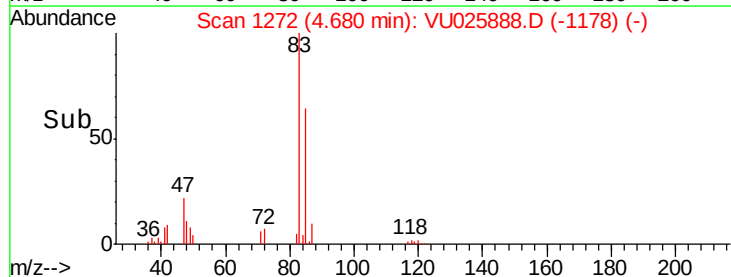
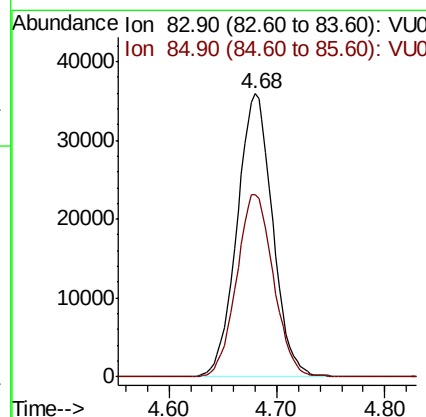
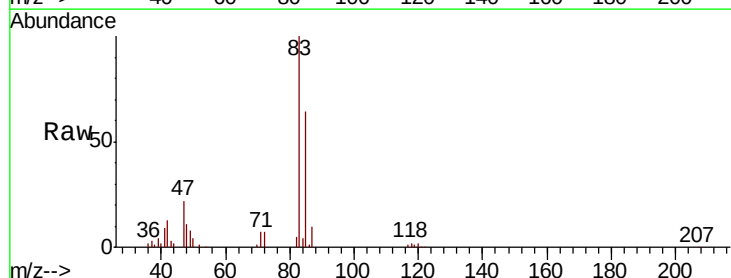
Manual Integrations
APPROVED

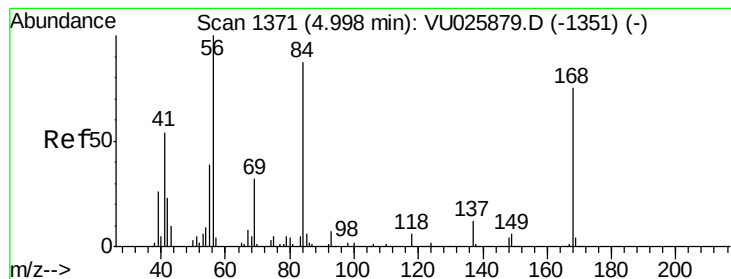
MMDadoda
8/7/2018 1:51:37 PM



#30
Chloroform
Concen: 20.41 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.5	77.3





#31

Cyclohexane

Concen: 19.72 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Instrument :

MSVOA_U

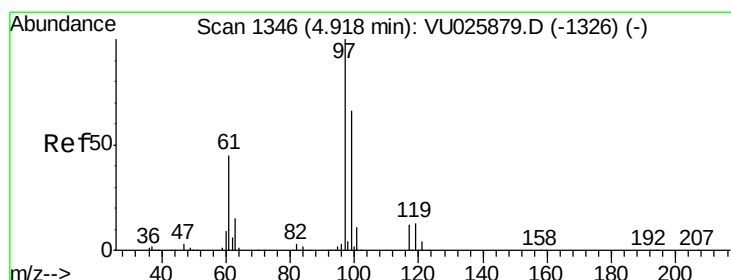
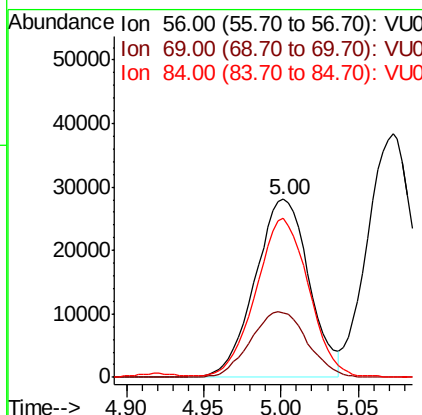
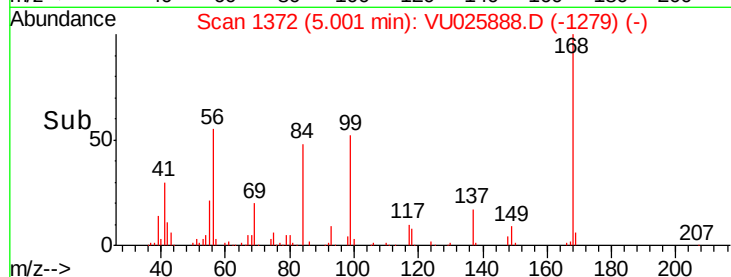
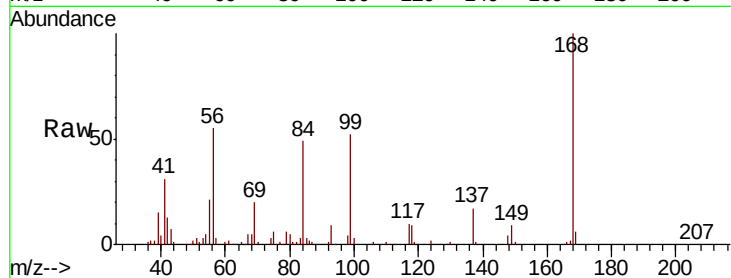
ClientSampleID :

VU0806WBS01

Tot Ion:	56	Resp:	68287
Ion Ratio	Lower	Upper	
56	100		
69	36.5	26.8	40.2
84	88.2	69.7	104.5

Manual Integrations
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8/7/2018 1:51:37 PM



#32

1,1,1-Trichloroethane

Concen: 20.55 ug/l

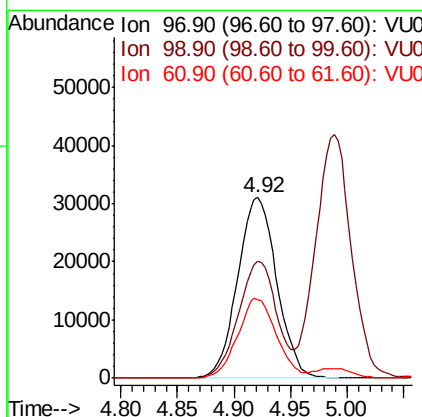
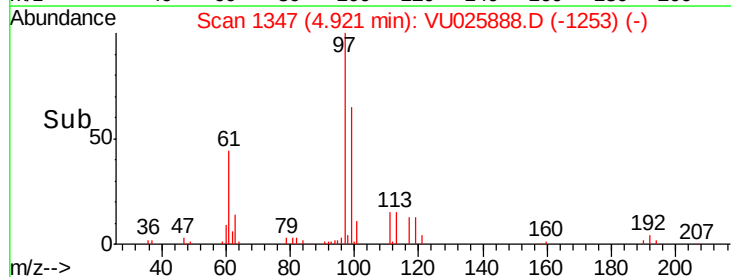
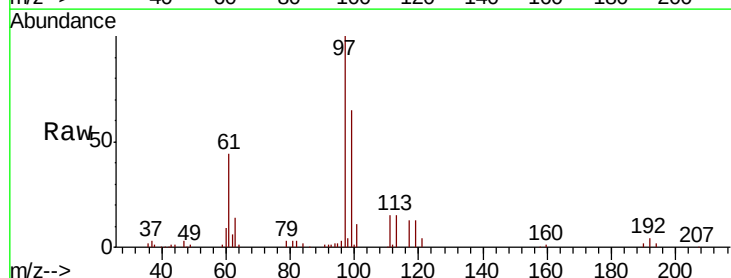
RT: 4.92 min Scan# 1347

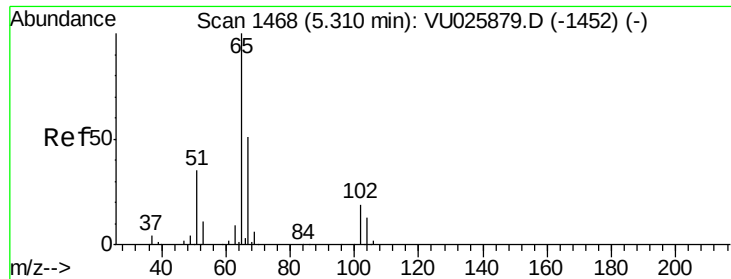
Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Tgt Ion:	97	Resp:	74612
Ion Ratio	Lower	Upper	
97	100		
99	64.3	50.8	76.2
61	43.6	35.2	52.8





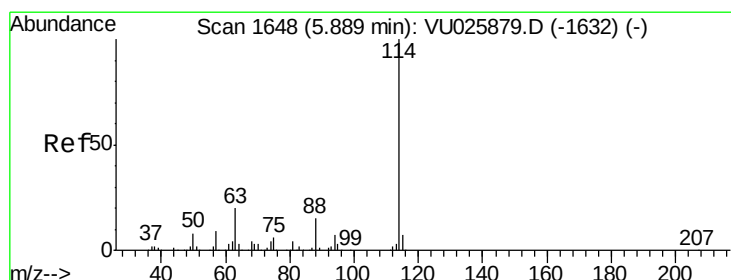
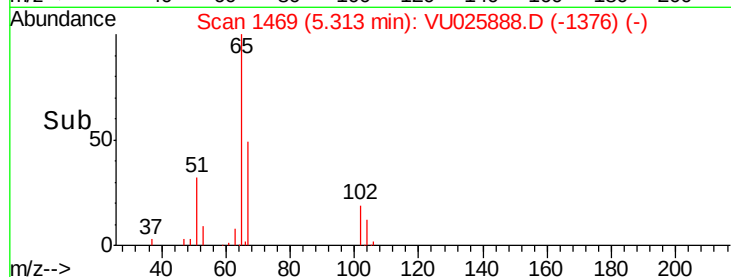
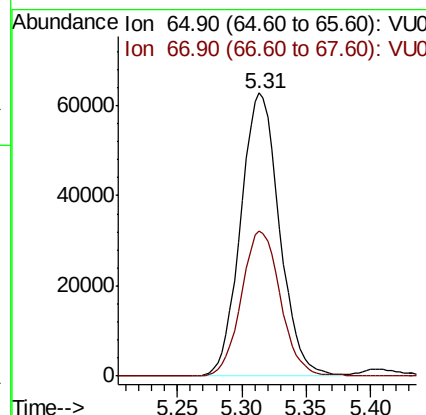
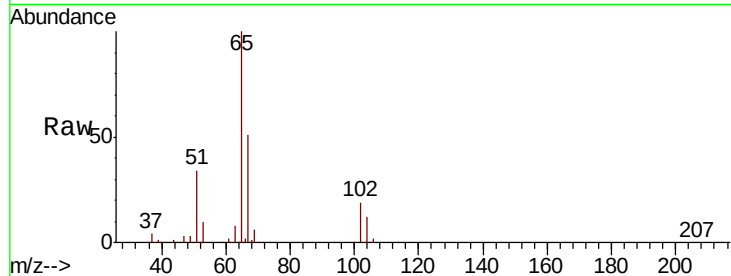
#33
 1,2-Dichloroethane-d4
 Concen: 50.40 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.6

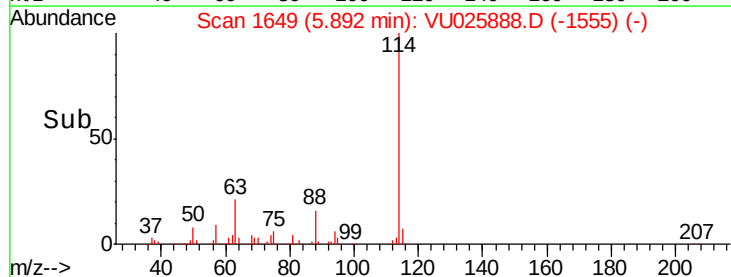
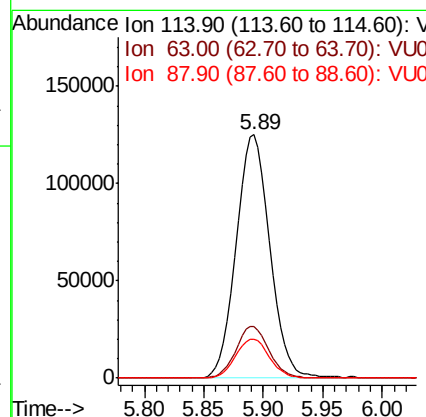
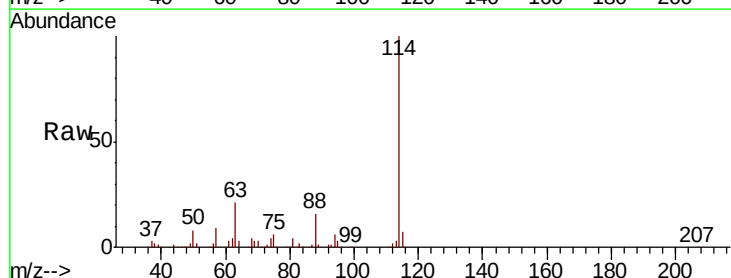
Manual Integrations
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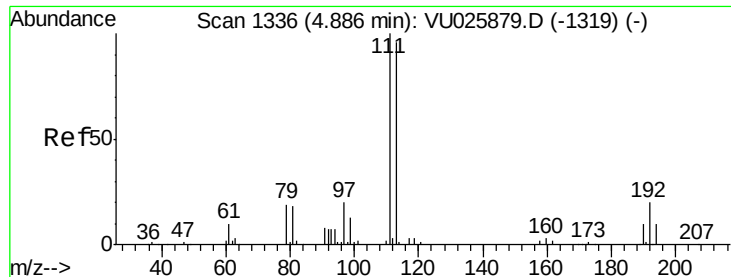
MMDadoda
 8/7/2018 1:51:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.6
88	16.1	0.0	32.4





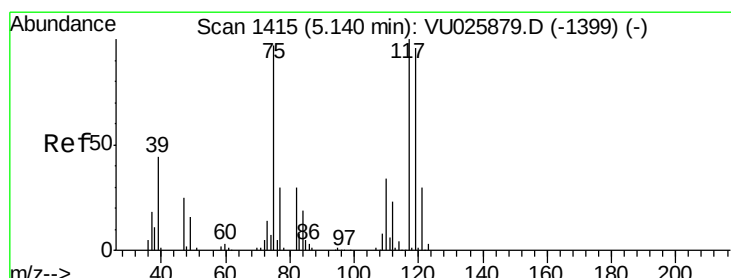
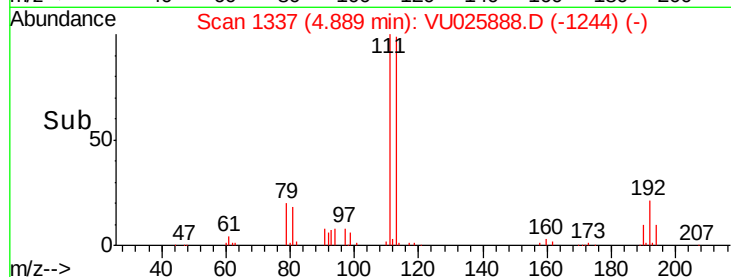
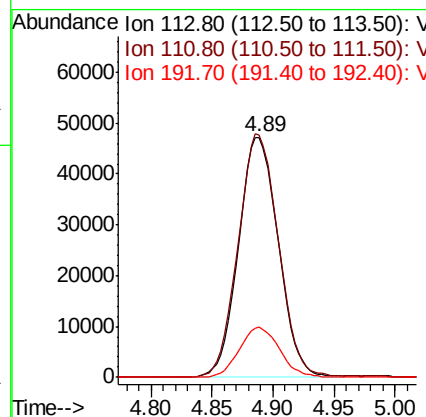
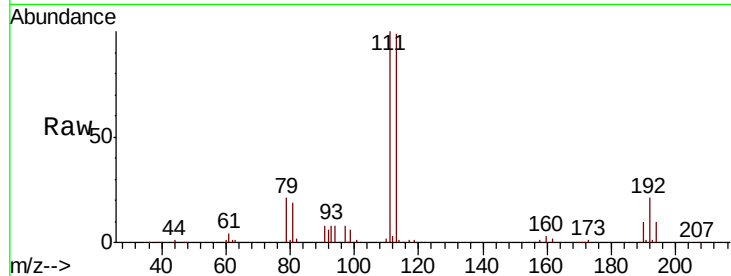
#35
 Dibromofluoromethane
 Concen: 49.91 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	106695		
111	102.5	81.7	122.5	
192	21.0	17.1	25.7	

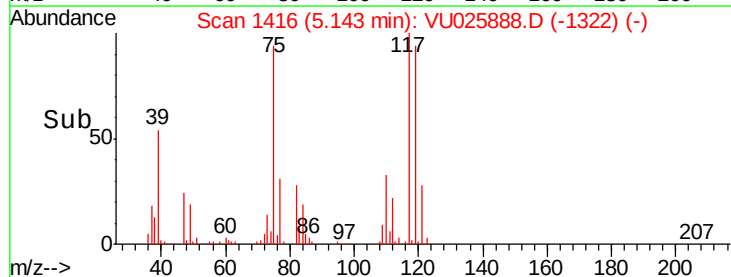
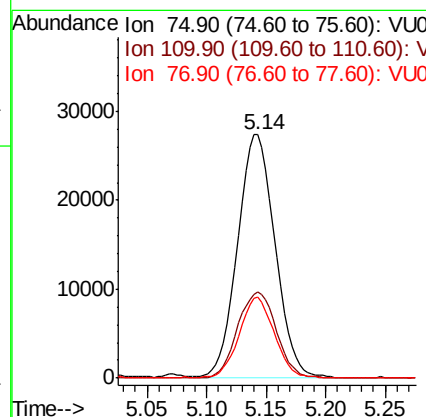
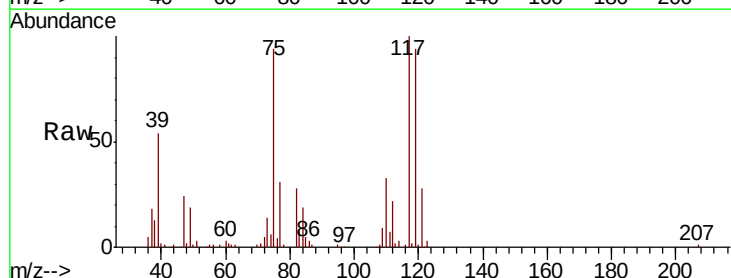
Manual Integrations
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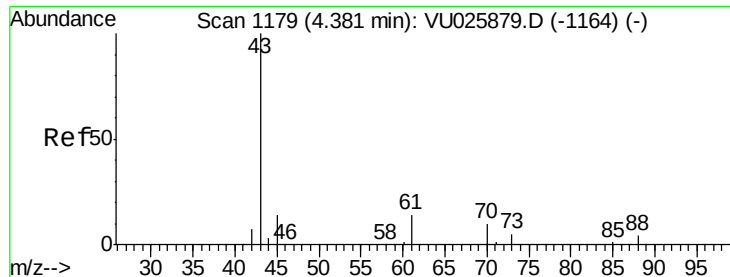
MMDadoda
 8/7/2018 1:51:37 PM



#36
 1,1-Dichloropropene
 Concen: 20.90 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	60032		
110	36.2	17.6	52.9	
77	31.1	24.4	36.6	





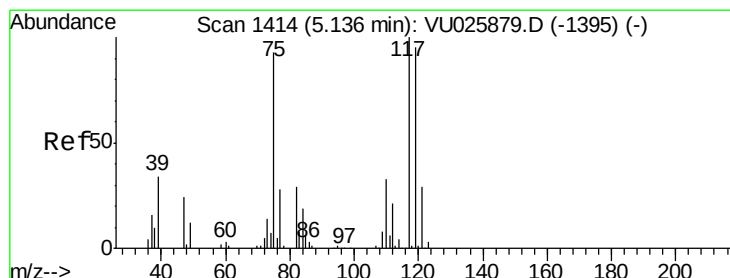
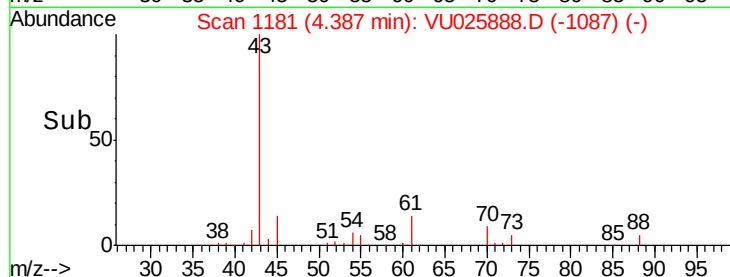
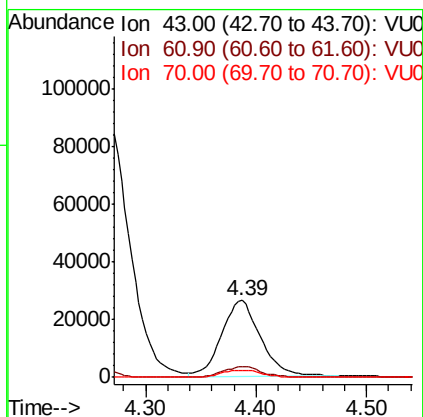
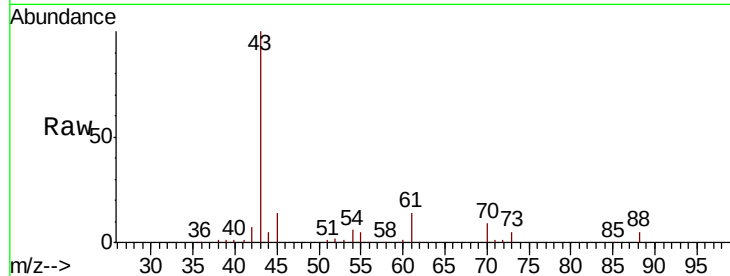
#37
Ethyl Acetate
Concen: 21.49 ug/l
RT: 4.39 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS01

Tot Ion	43	Resp	64010
Ion Ratio	100	Lower	Upper
61	14.1	10.7	16.1
70	10.2	8.4	12.6

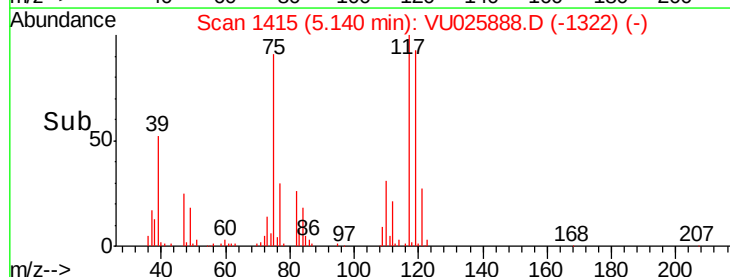
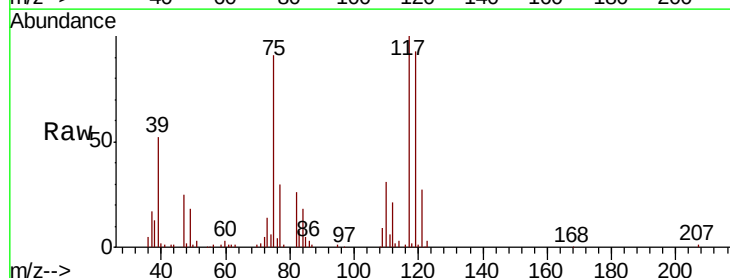
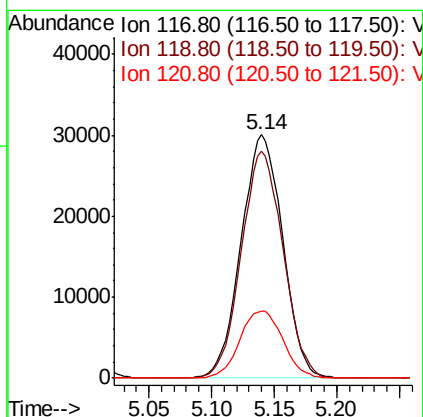
Manual Integrations
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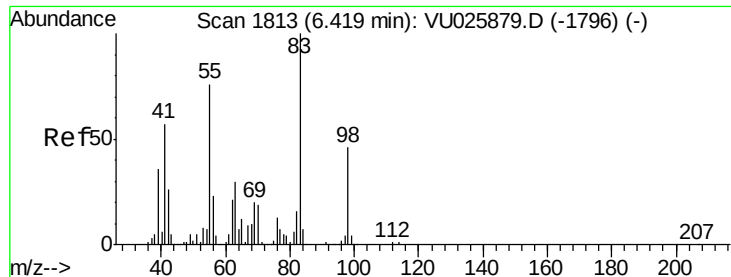
MMDadoda
8/7/2018 1:51:37 PM



#38
Carbon Tetrachloride
Concen: 21.33 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Tgt Ion	117	Resp	69387
Ion Ratio	100	Lower	Upper
119	93.2	75.7	113.5
121	27.4	24.6	36.8





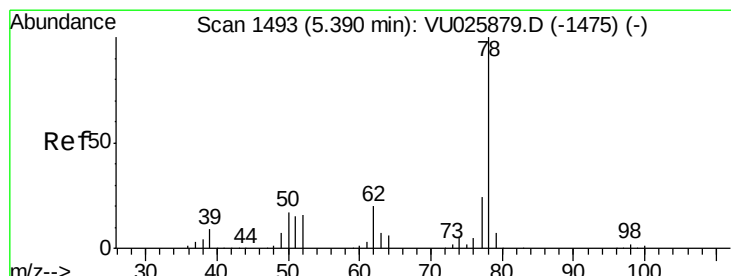
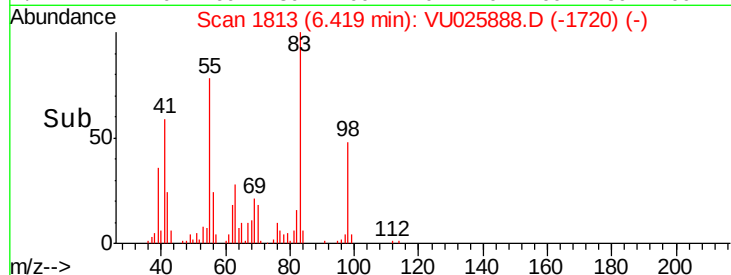
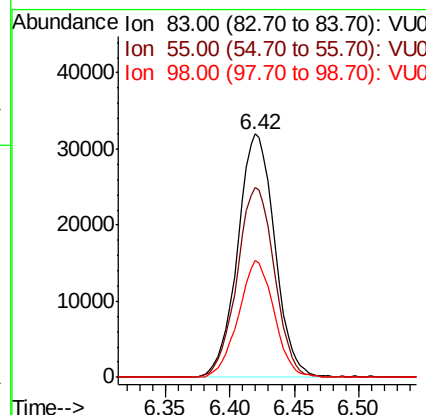
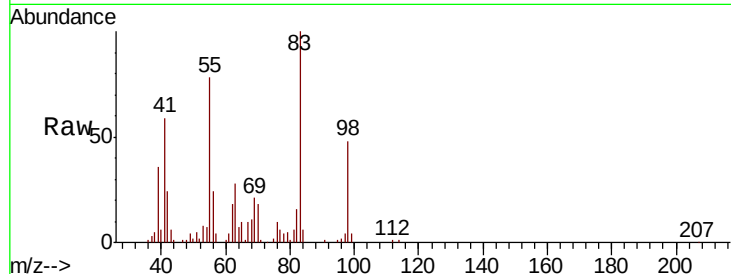
#39
Methylvlcyclohexane
Concen: 19.46 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	60.0	90.0
98	48.2	36.1	54.1

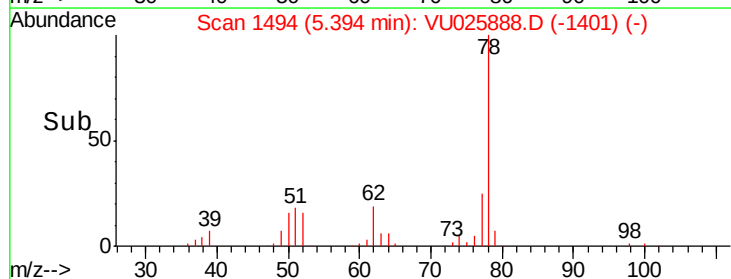
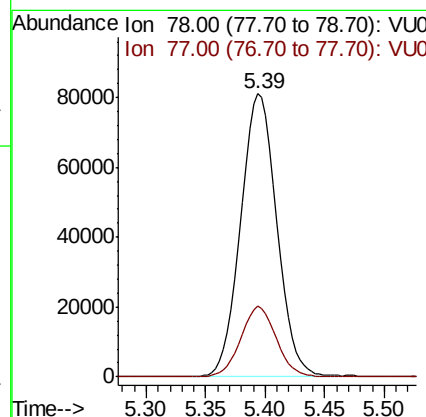
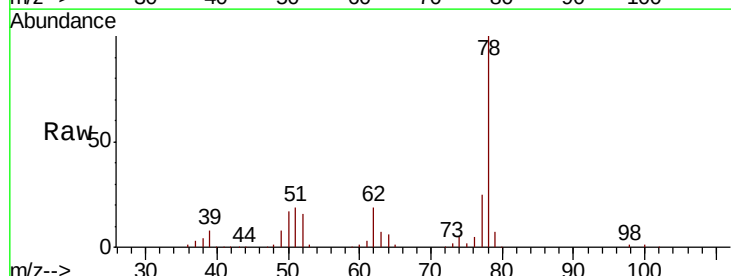
Manual Integrations
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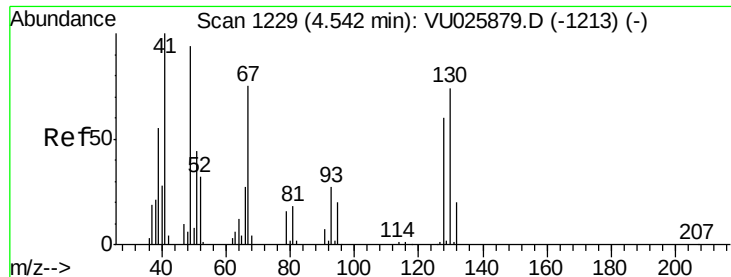
MMDadoda
8/7/2018 1:51:37 PM



#40
Benzene
Concen: 20.38 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.8	29.6





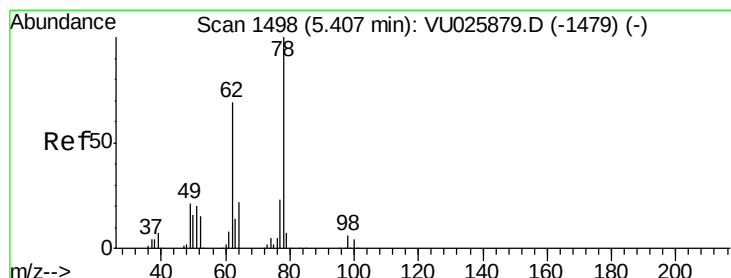
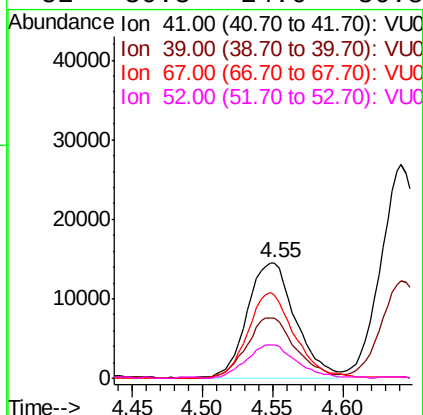
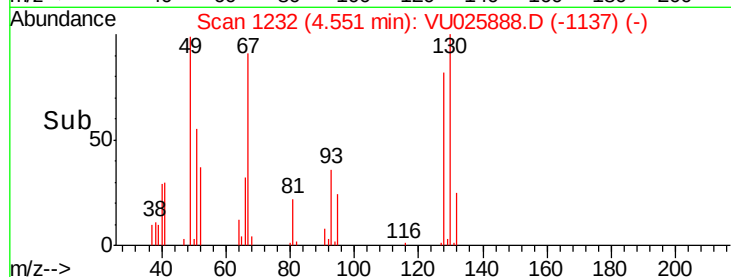
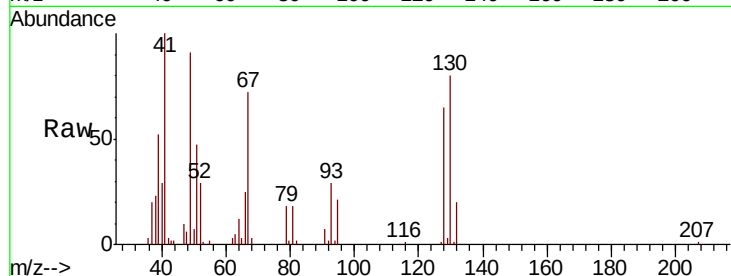
#41
Methacrylonitrile
Concen: 21.02 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		34766		
39	53.2	44.4	66.6		
67	72.2	56.0	84.0		
52	30.3	24.6	36.8		

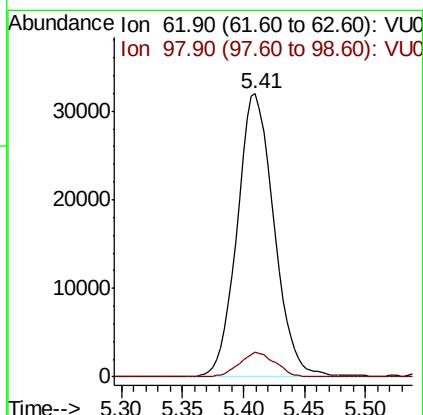
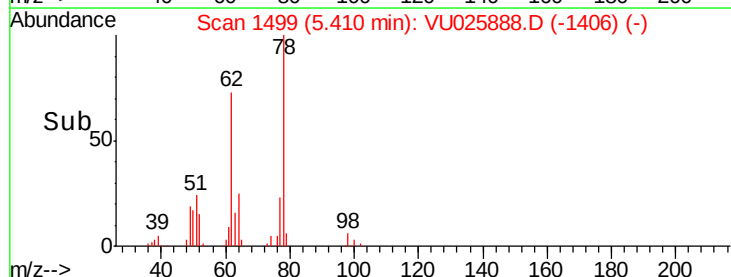
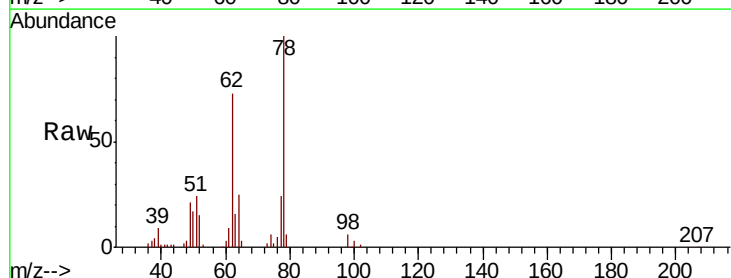
Manual Integrations
APPROVED

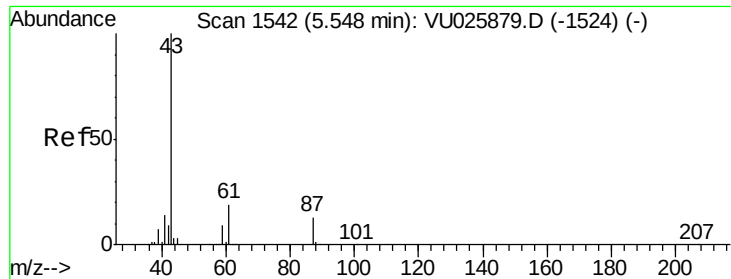
MMDadoda
8/7/2018 1:51:37 PM



#42
1,2-Dichloroethane
Concen: 20.62 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		66677		
98	8.5	0.0	16.4		





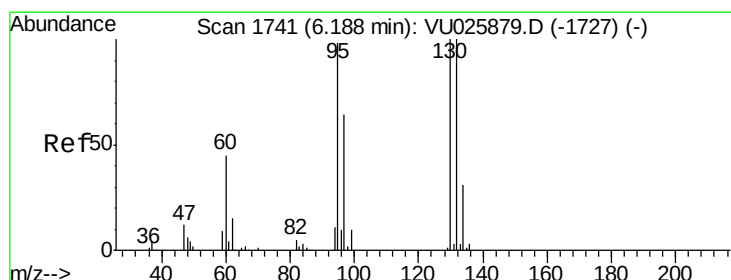
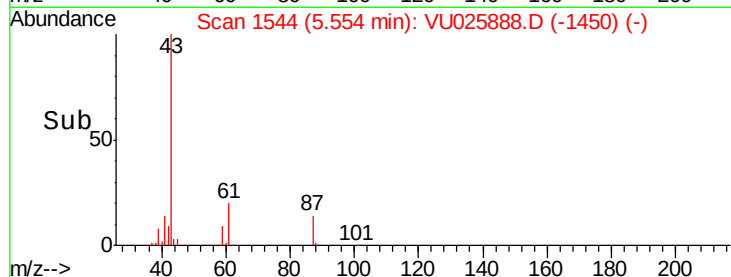
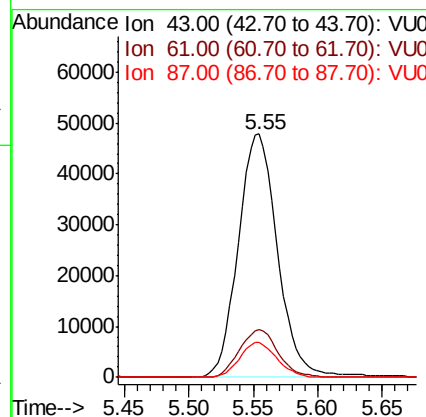
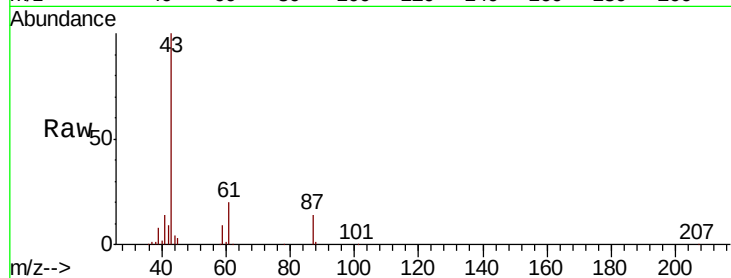
#43
Isopropyl Acetate
Concen: 20.51 ug/l
RT: 5.55 min Scan# 1544
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.5	23.3
87	13.8	10.6	16.0

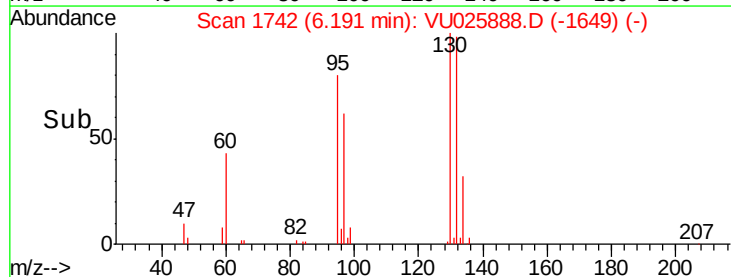
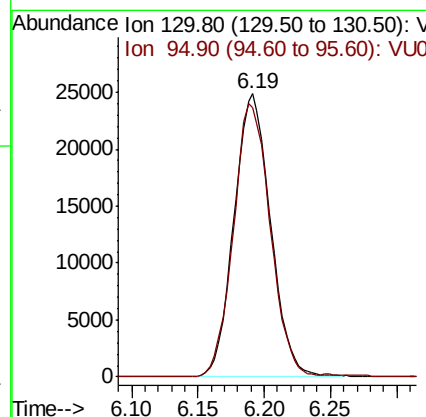
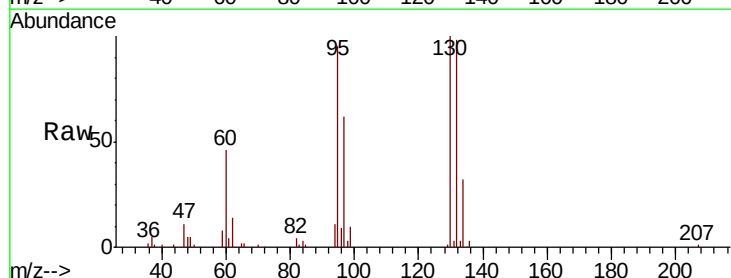
Manual Integrations
APPROVED

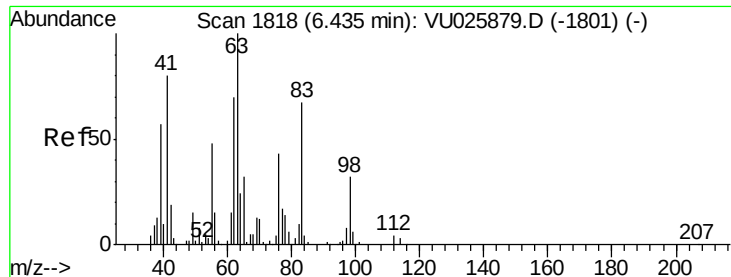
MMDadoda
8/7/2018 1:51:37 PM



#44
Trichloroethene
Concen: 20.40 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	192.2





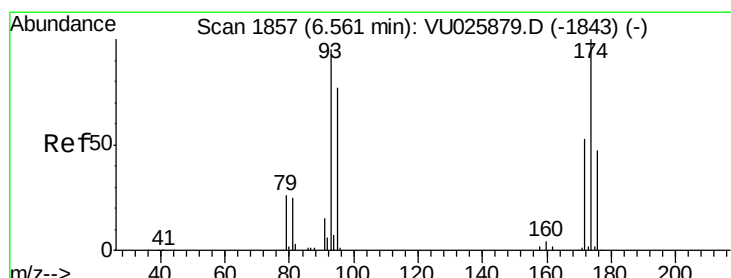
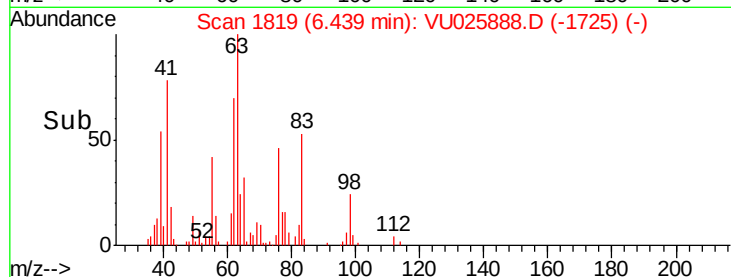
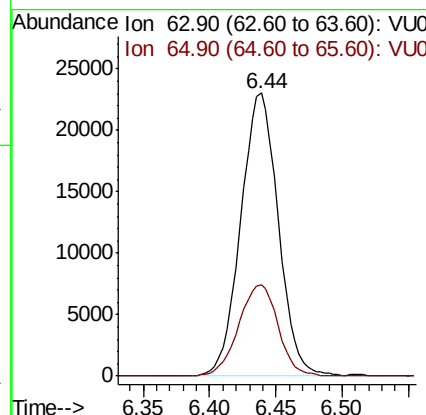
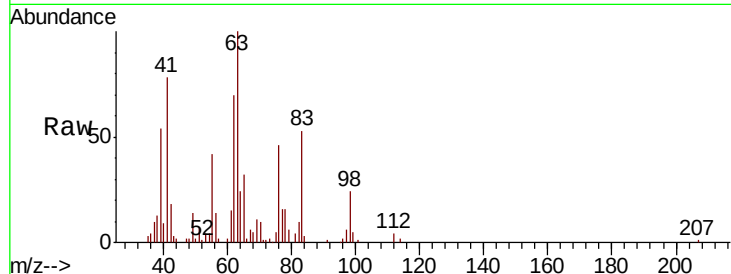
#45
 1,2-Dichloropropane
 Concen: 20.73 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Instrument :
 MSVOA_U
 ClientSampled :
 VU0806WBS01

Tot Ion: 63 Resp: 45386
 Ion Ratio Lower Upper
 63 100
 65 32.3 26.1 39.1

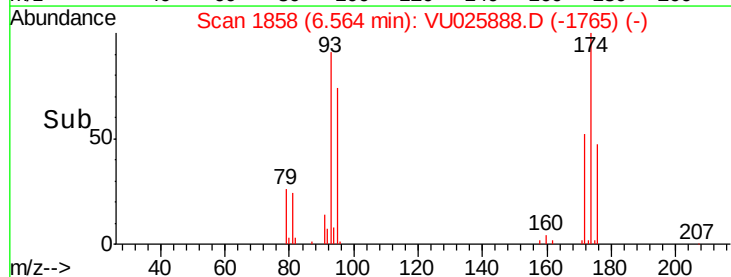
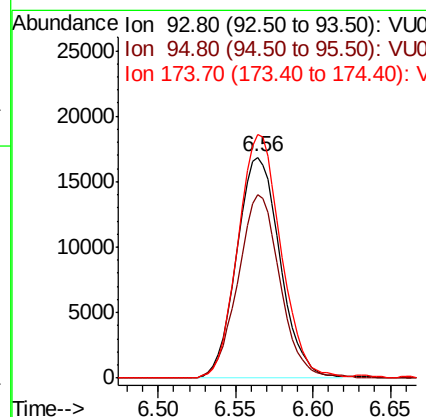
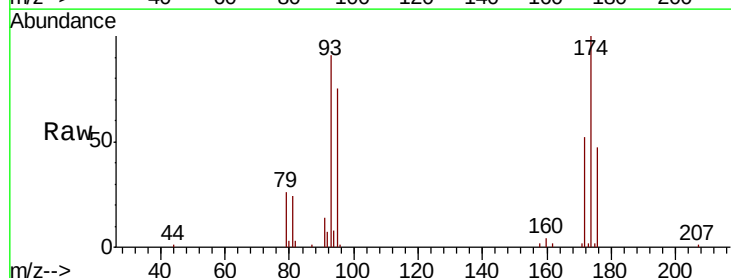
Manual Integrations
 APPROVED

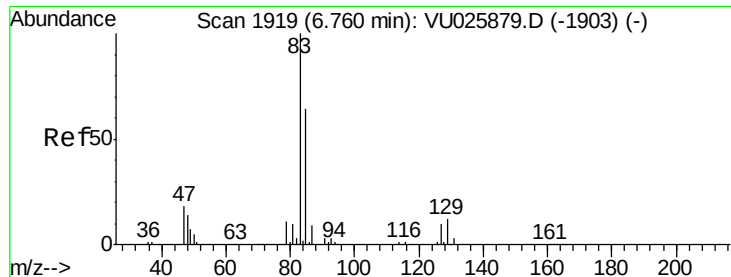
MMDadoda
 8/7/2018 1:51:37 PM



#46
 Dibromomethane
 Concen: 20.72 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Tgt Ion: 93 Resp: 32882
 Ion Ratio Lower Upper
 93 100
 95 80.6 66.6 100.0
 174 108.9 85.8 128.8





#47

Bromodichloromethane

Concen: 20.96 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Instrument :

MSVOA_U

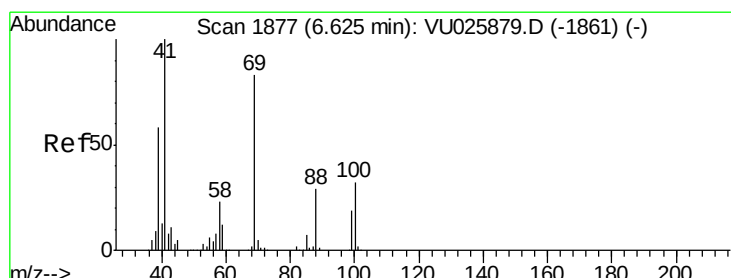
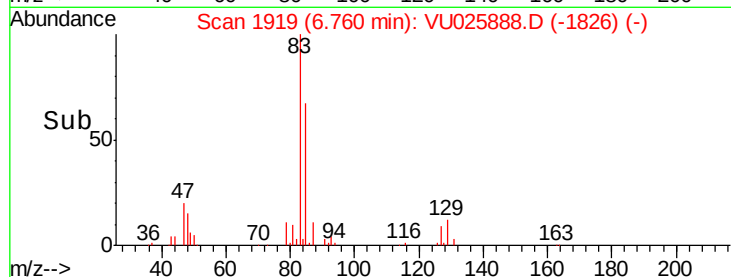
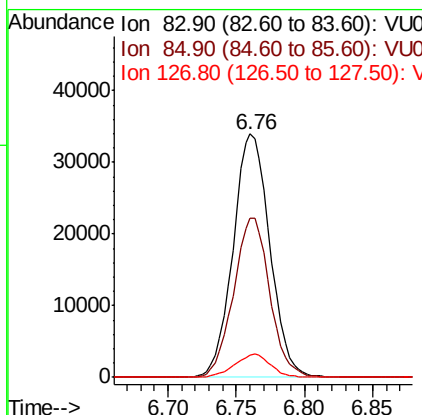
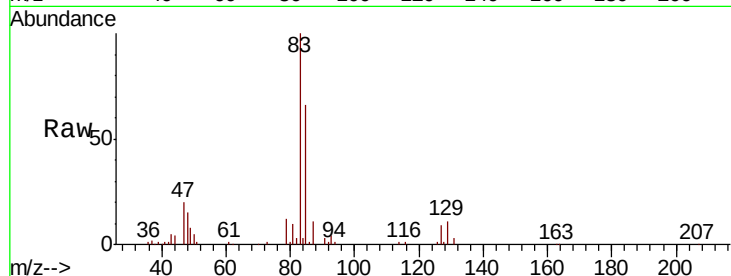
ClientSampleId :

VU0806WBS01

Tot Ion:	83	Resp:	63450
Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.2	75.4
127	9.2	7.2	10.8

Manual Integrations
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MMDadoda
8/7/2018 1:51:37 PM



#48

Methyl methacrylate

Concen: 20.15 ug/l

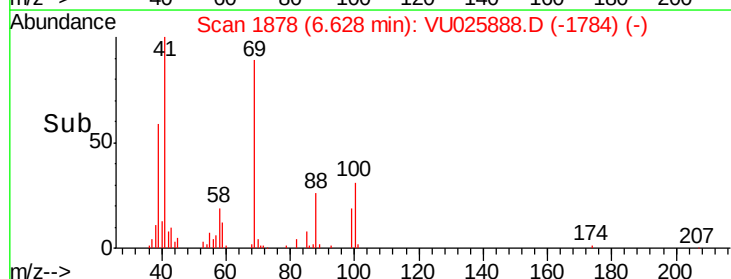
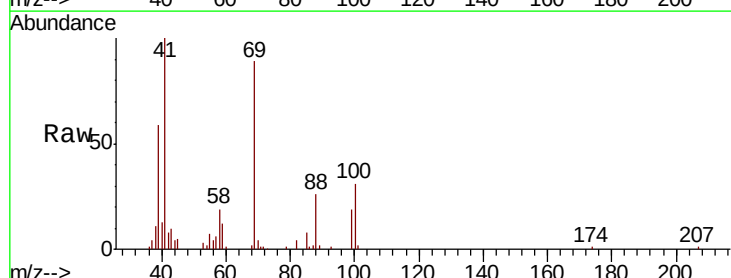
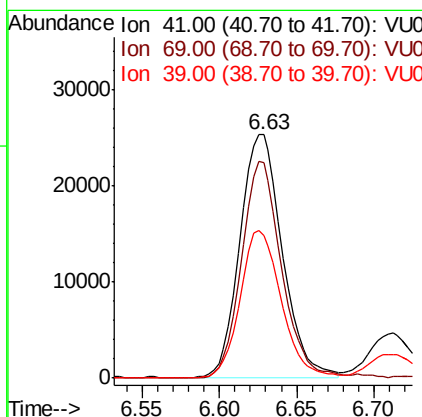
RT: 6.63 min Scan# 1878

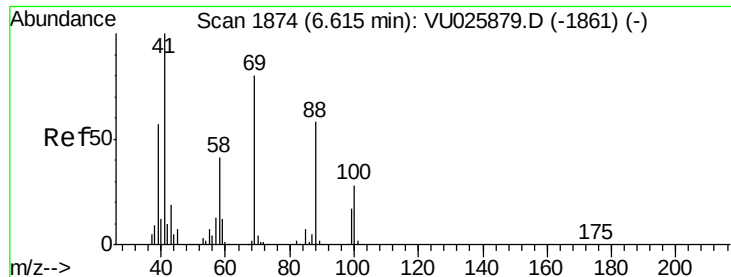
Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Tgt Ion:	41	Resp:	48602
Ion	Ratio	Lower	Upper
41	100		
69	83.6	65.0	97.4
39	58.9	46.4	69.6





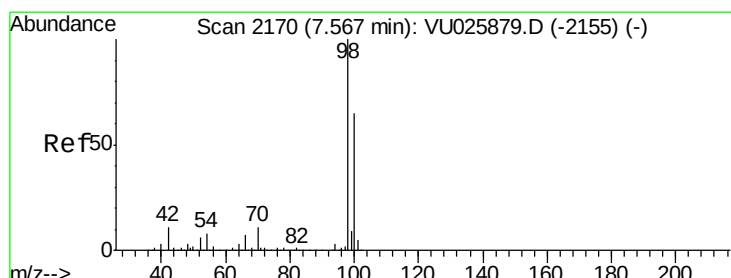
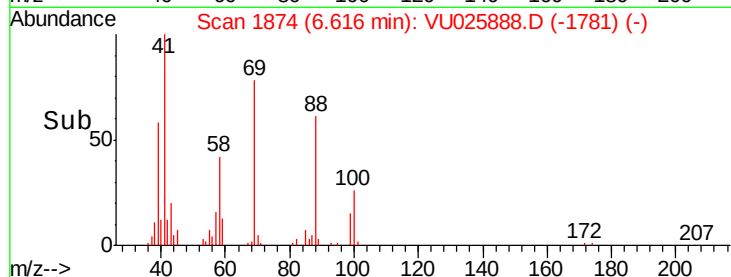
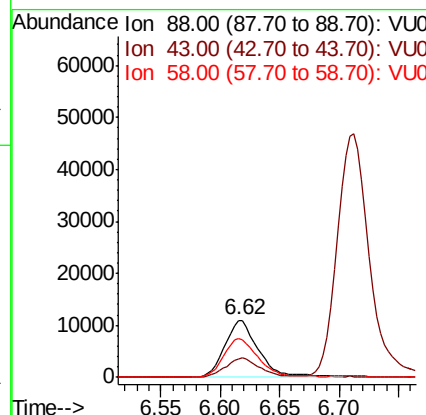
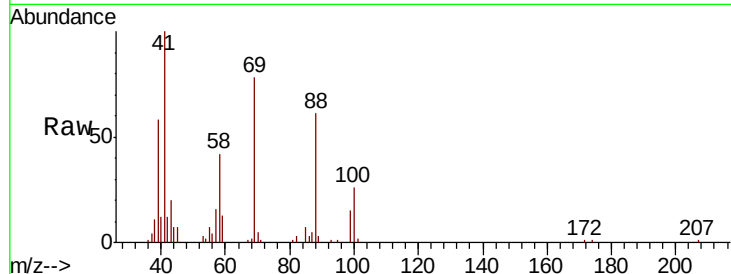
#49
 1,4-Dioxane
 Concen: 366.79 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.4	27.3	40.9
58	69.8	57.6	86.4

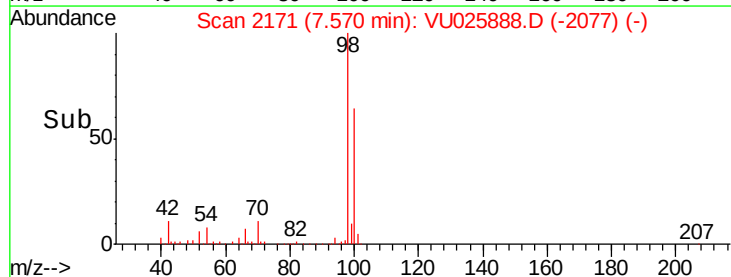
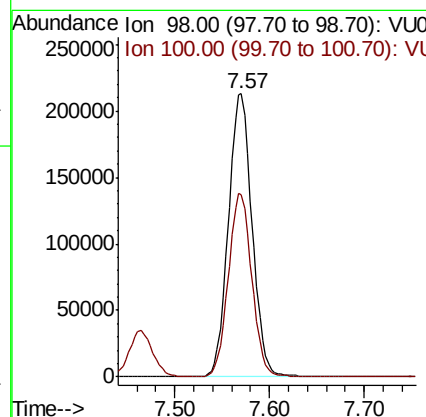
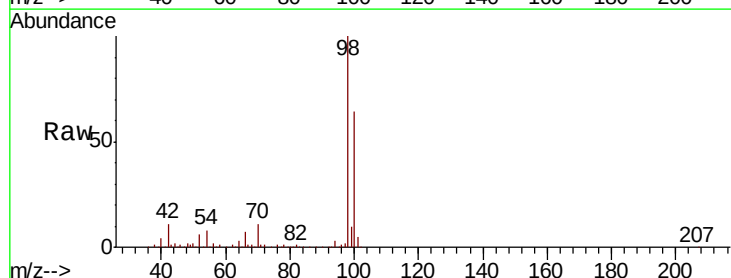
Manual Integrations
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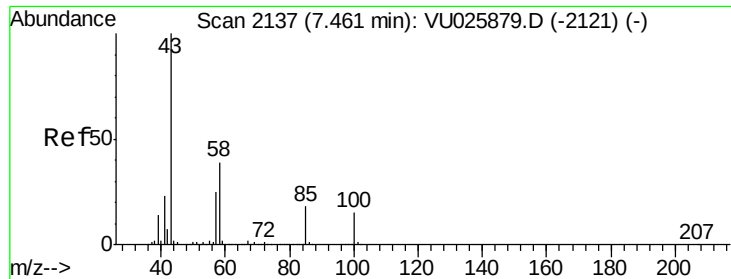
MMDadoda
 8/7/2018 1:51:37 PM



#50
 Toluene-d8
 Concen: 49.63 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7





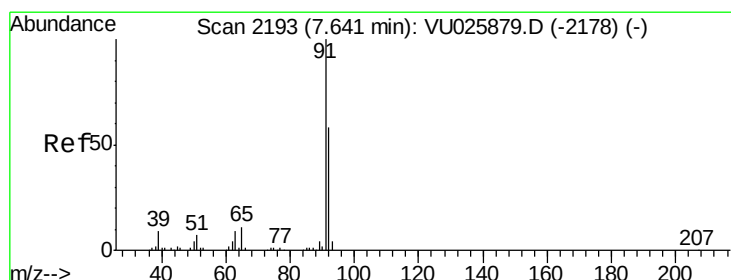
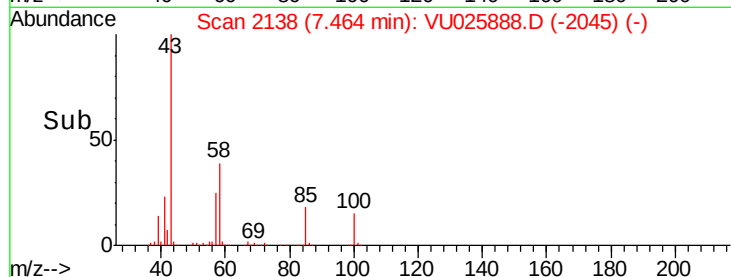
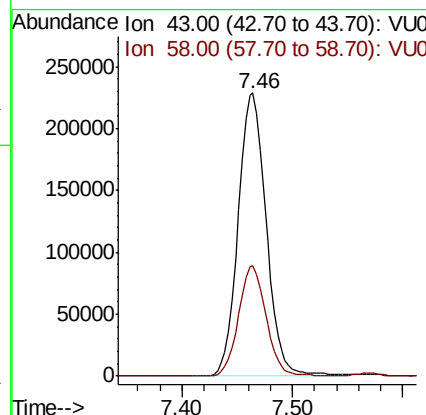
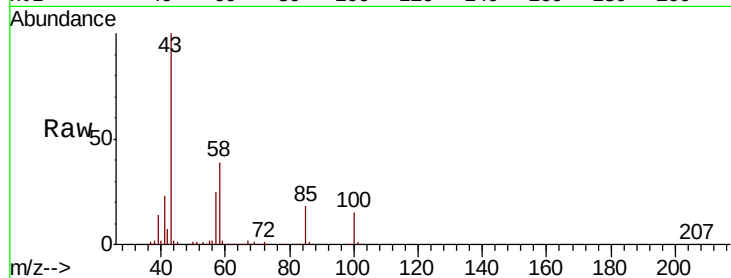
#51
 4-Methyl-2-Pentanone
 Concen: 131.13 ug/l
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.3	31.0	46.4

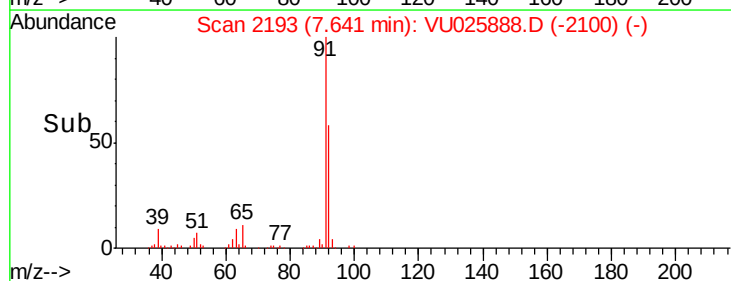
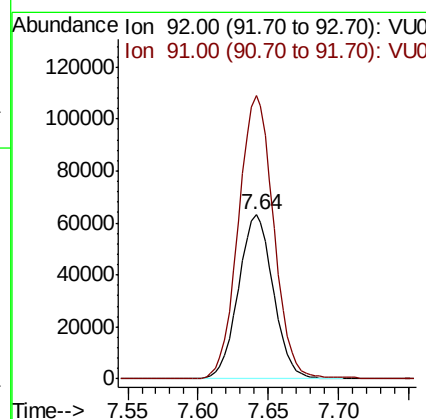
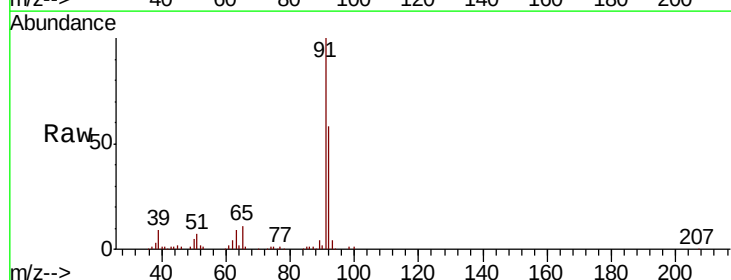
Manual Integrations
 APPROVED

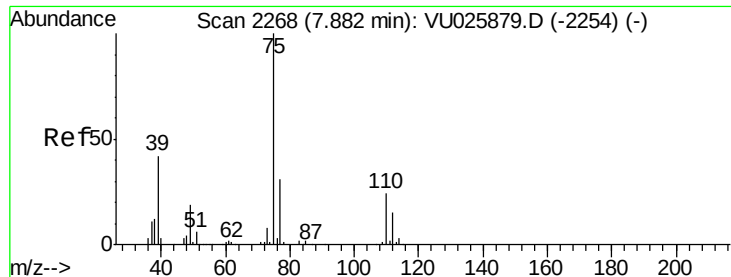
MMDadoda
 8/7/2018 1:51:37 PM



#52
 Toluene
 Concen: 21.04 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.1	139.2	208.8





#53

t-1,3-Dichloropropene

Concen: 20.16 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS01

Tot Ion: 75 Resp: 68504

Ion Ratio Lower Upper

75 100

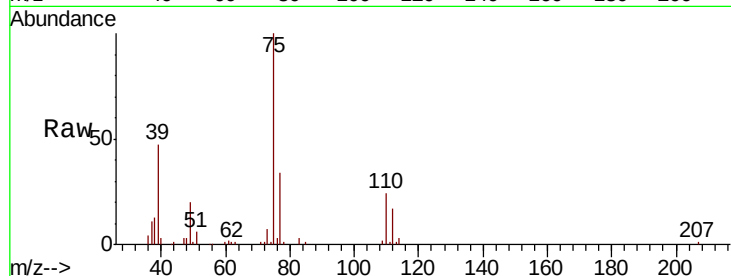
77 33.6 24.5 36.7

Manual Integrations

APPROVED

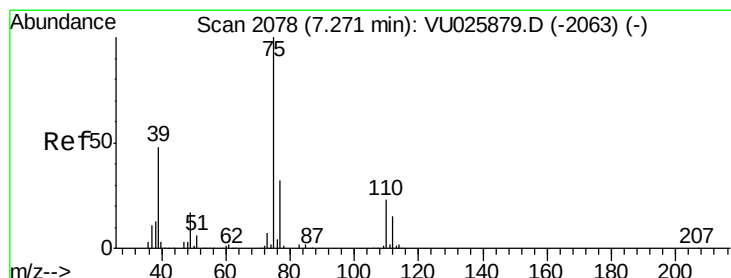
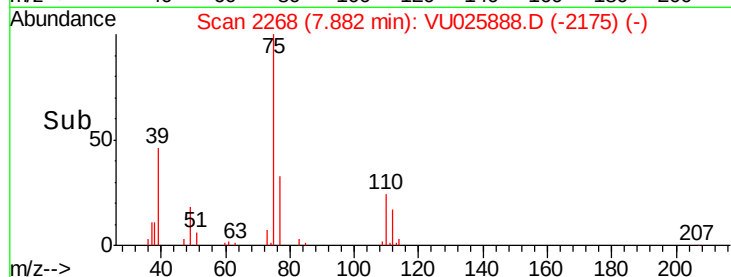
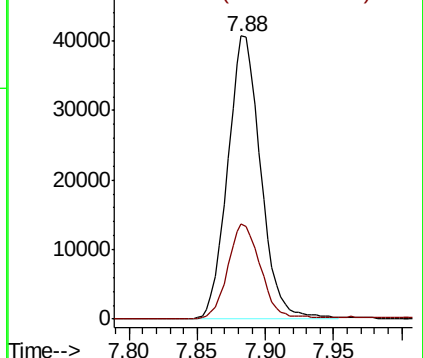
MMDadoda

8/7/2018 1:51:37 PM



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 20.79 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

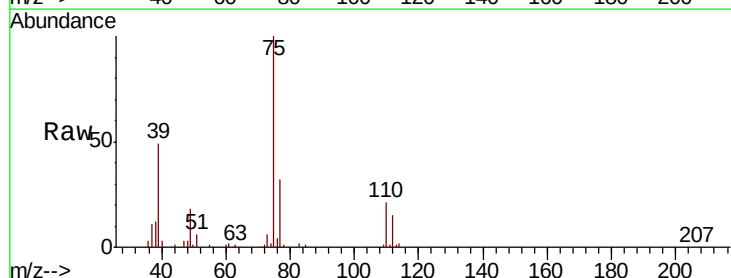
Tgt Ion: 75 Resp: 72566

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

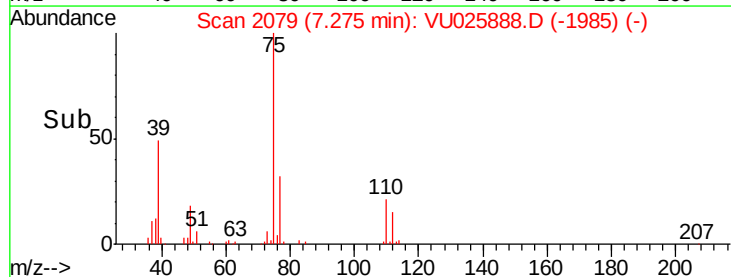
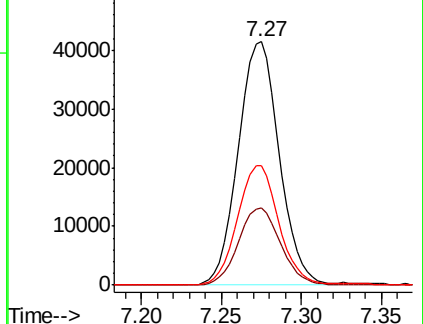
39 49.1 40.0 60.0

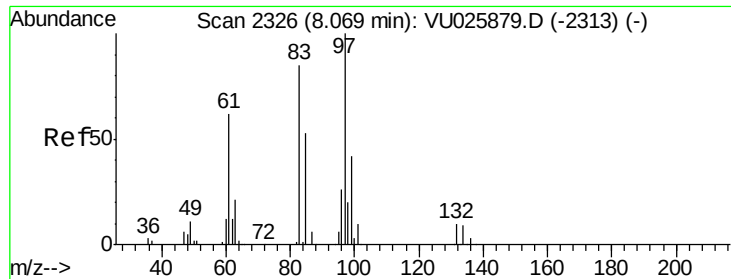


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





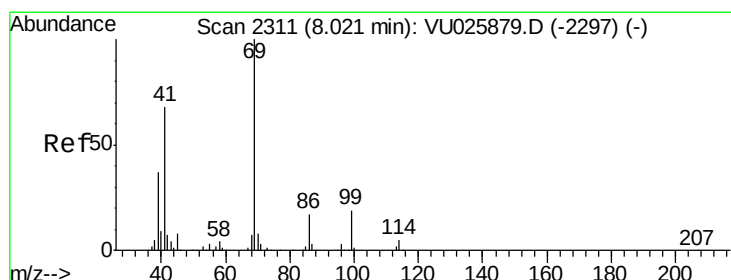
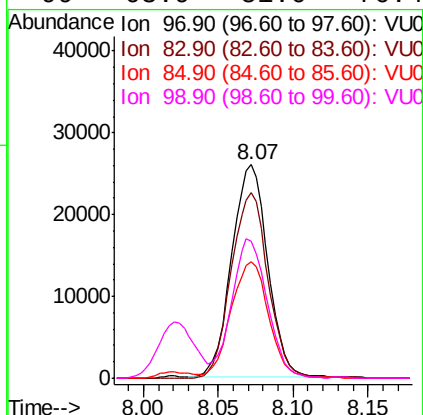
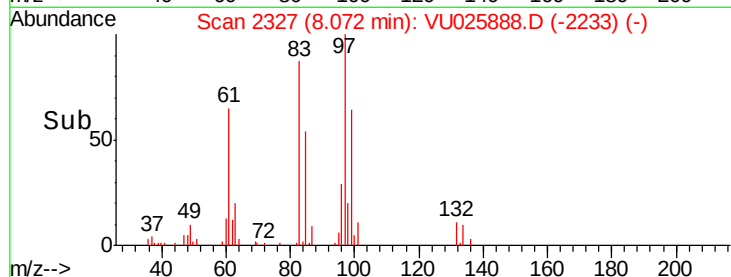
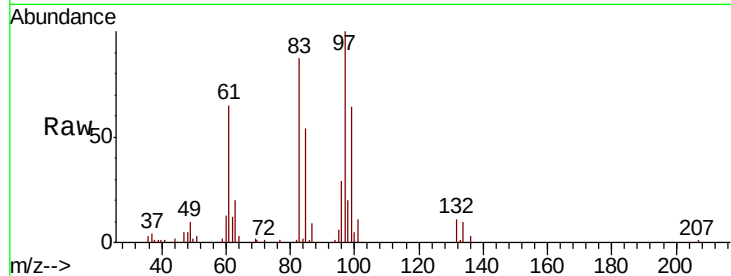
#55
 1,1,2-Trichloroethane
 Concen: 20.06 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS01

Tot Ion:	97	Resp:	43478
Ion	Ratio	Lower	Upper
97	100		
83	87.1	68.9	103.3
85	54.2	44.4	66.6
99	63.9	51.0	76.4

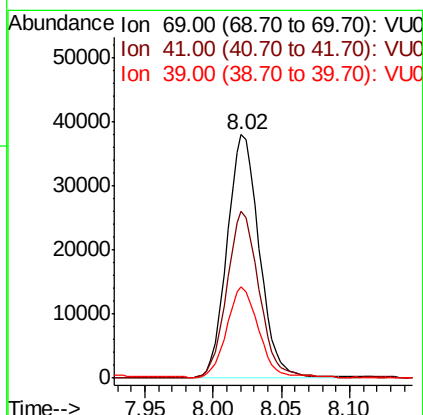
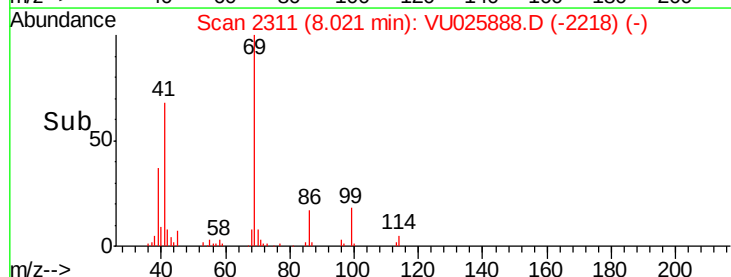
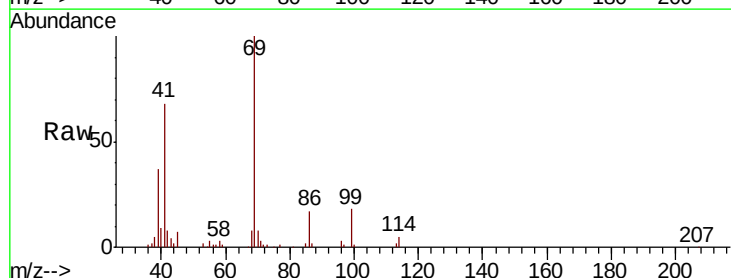
Manual Integrations
 APPROVED

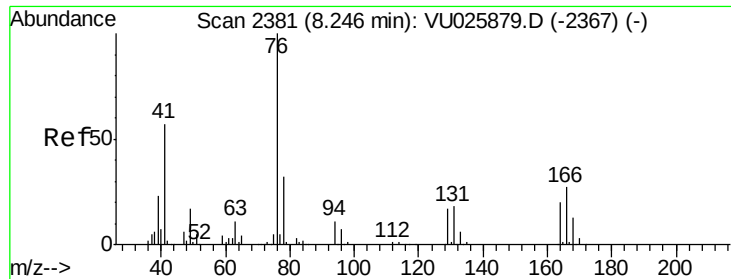
MMDadoda
 8/7/2018 1:51:37 PM



#56
 Ethyl methacrylate
 Concen: 20.19 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Tgt Ion:	69	Resp:	62522
Ion	Ratio	Lower	Upper
69	100		
41	68.4	54.8	82.2
39	36.1	31.1	46.7





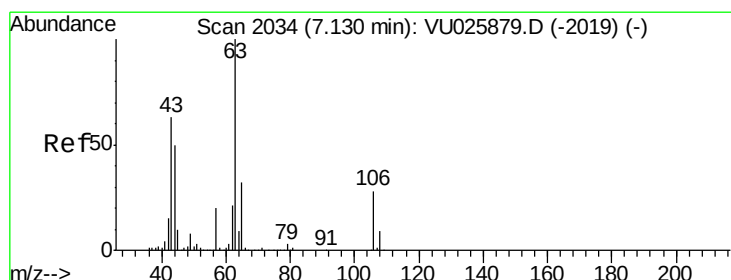
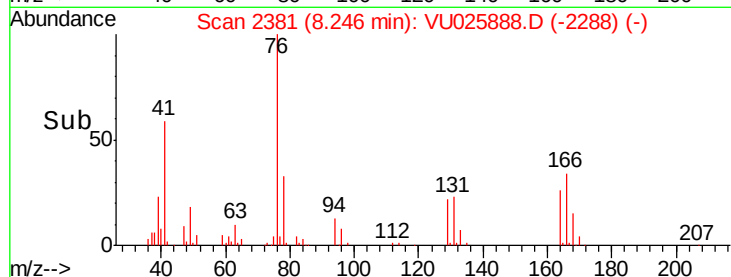
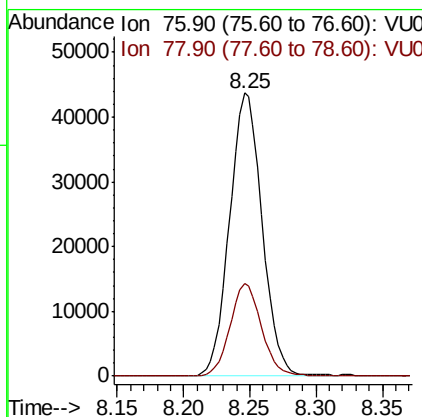
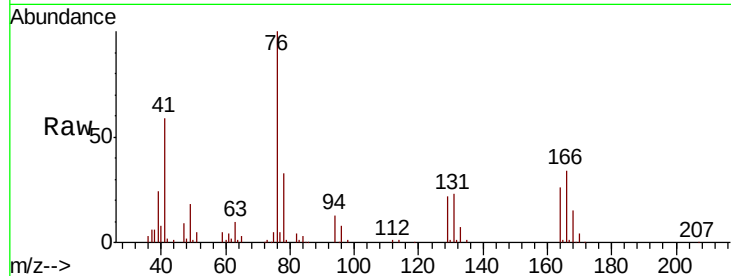
#57
 1,3-Dichloropropane
 Concen: 20.51 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS01

Tot Ion: 76 Resp: 74769
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.1 39.1

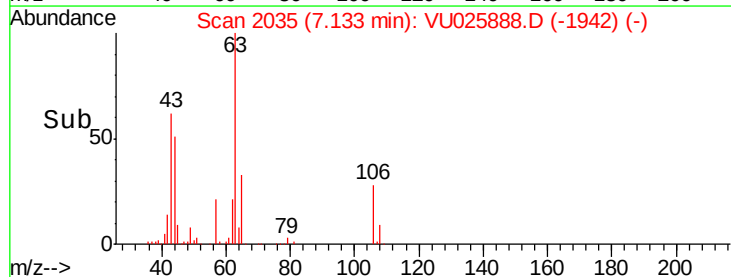
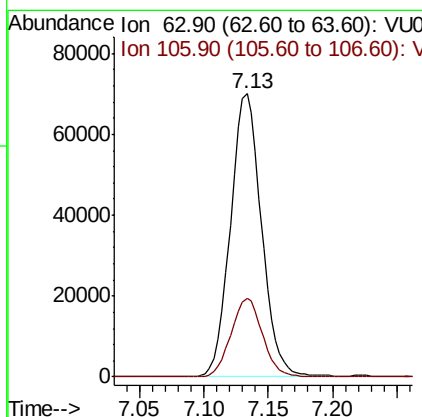
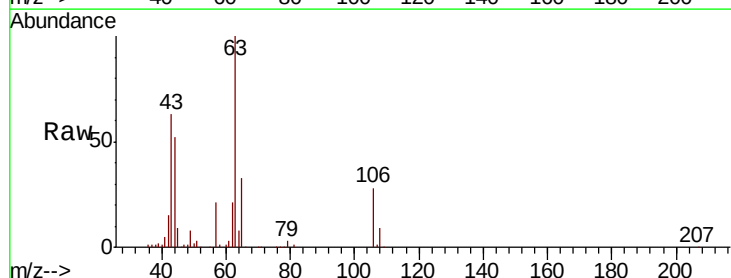
Manual Integrations
 APPROVED

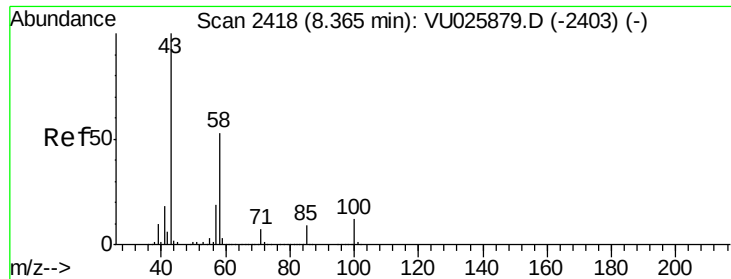
MMDadoda
 8/7/2018 1:51:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.33 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Tgt Ion: 63 Resp: 117279
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.3 33.5





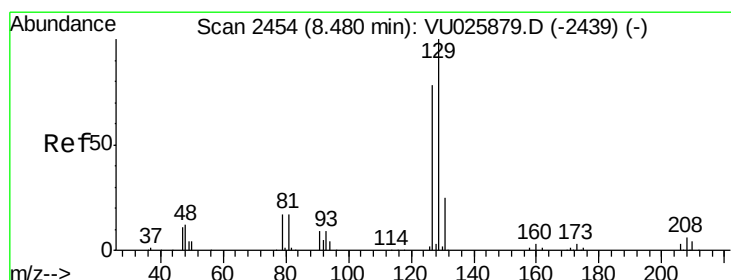
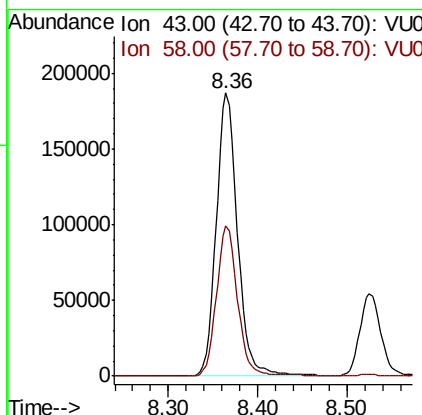
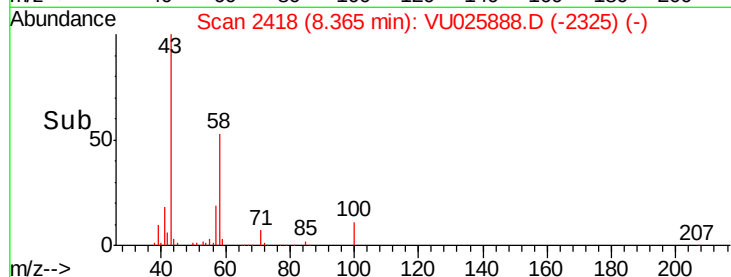
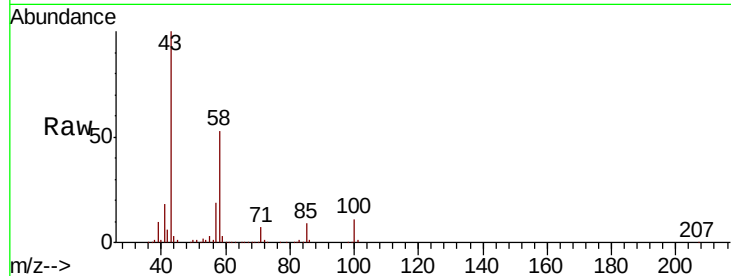
#59
2-Hexanone
Concen: 128.17 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.7	26.2	78.5

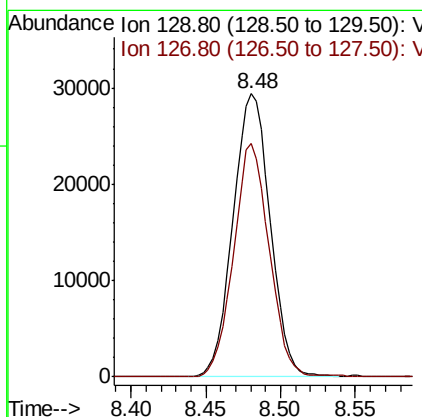
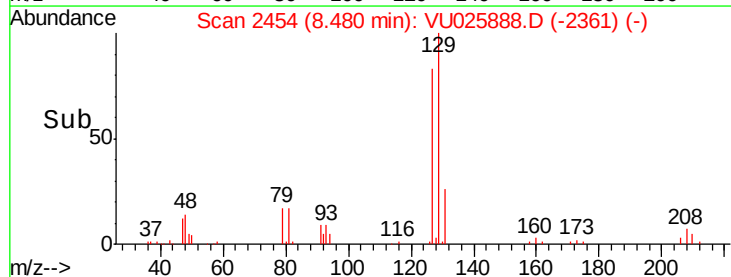
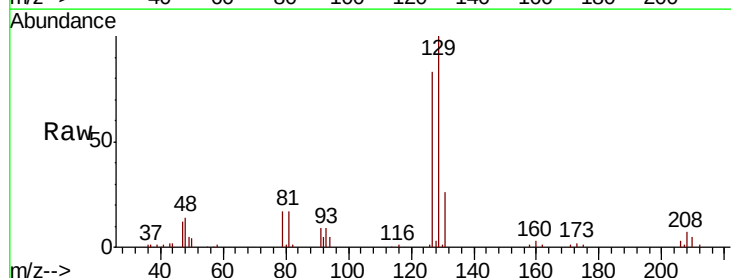
Manual Integrations
APPROVED

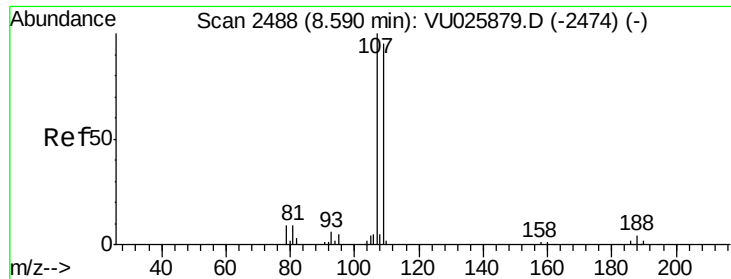
MMDadoda
8/7/2018 1:51:37 PM



#60
Dibromochloromethane
Concen: 19.87 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.6	115.8





#61

1,2-Dibromoethane

Concen: 20.79 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS01

Tot Ion: 107 Resp: 50130

Ion Ratio Lower Upper

107 100

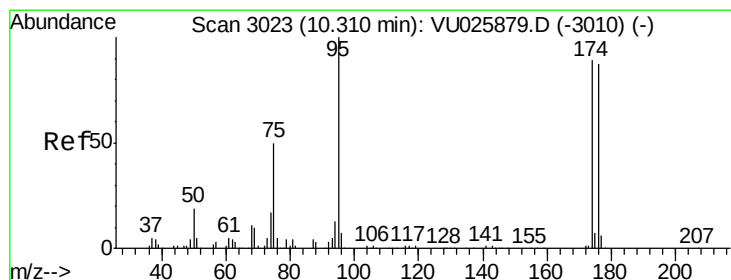
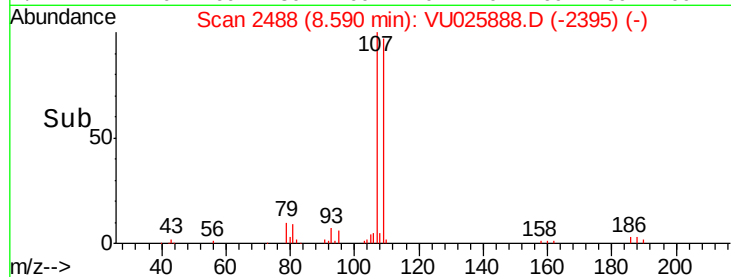
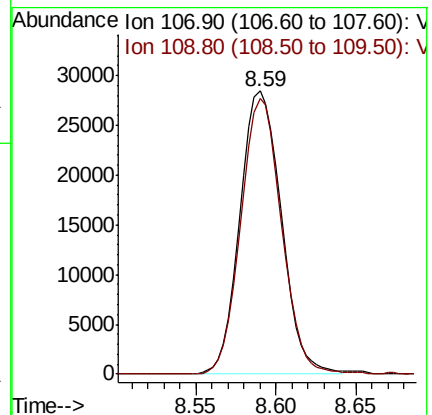
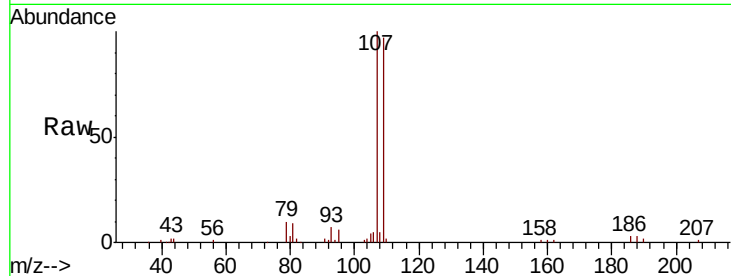
109 95.6 75.8 113.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 48.73 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

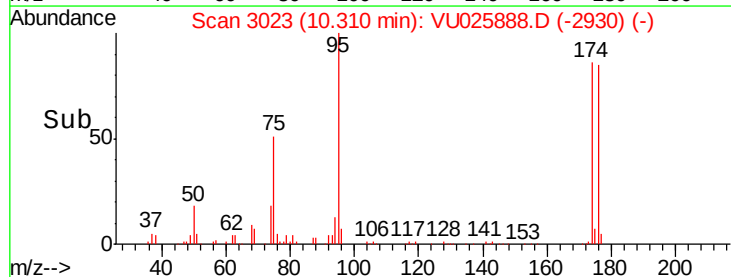
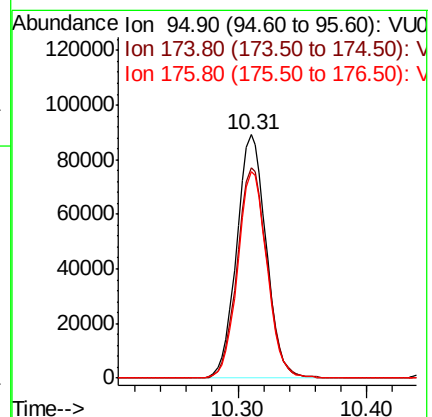
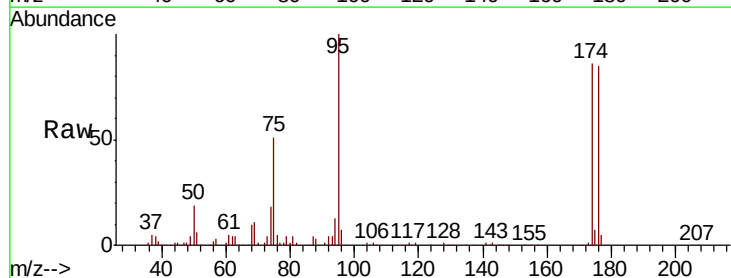
Tgt Ion: 95 Resp: 141481

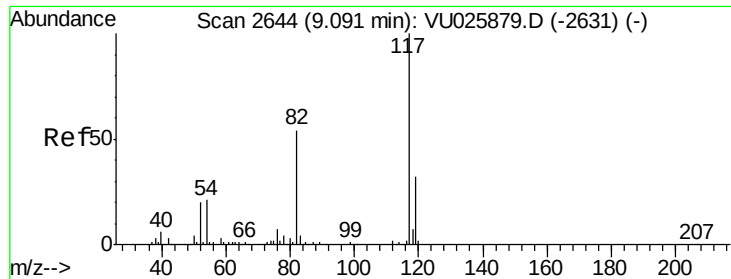
Ion Ratio Lower Upper

95 100

174 87.9 0.0 172.2

176 84.1 0.0 162.6





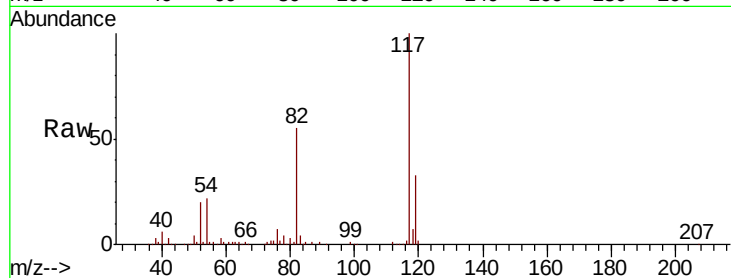
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	239747		
82	55.4	46.0	69.0	
119	32.5	26.0	39.0	

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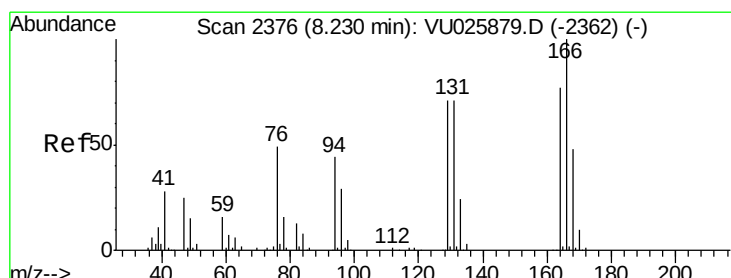
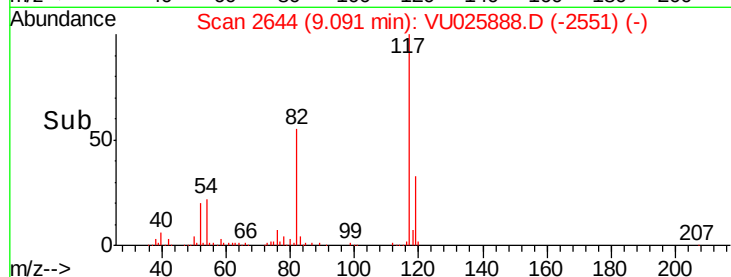
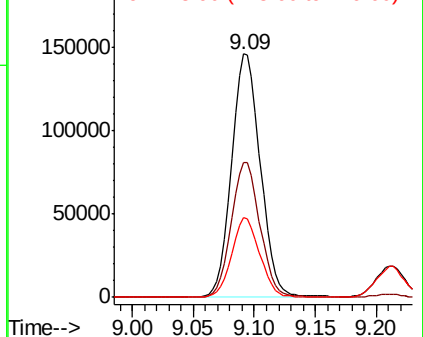


Abundance

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: 21.23 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44799		
166	126.9	101.1	151.7	
129	94.3	73.0	109.6	
131	91.0	72.1	108.1	

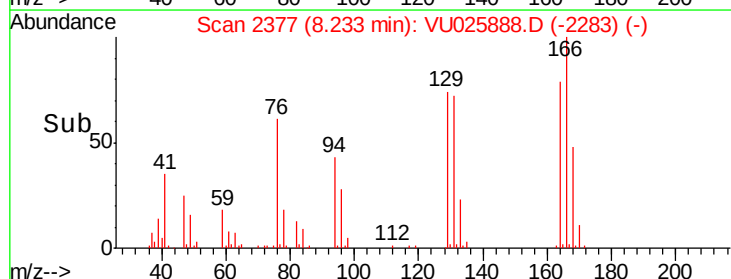
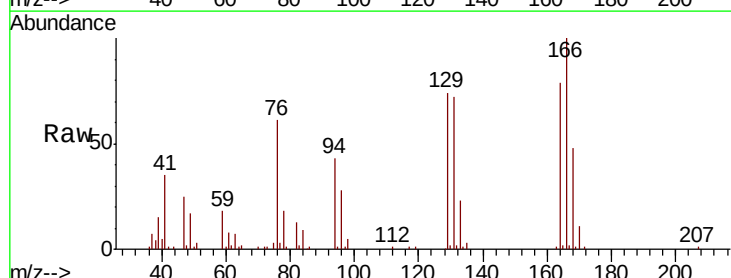
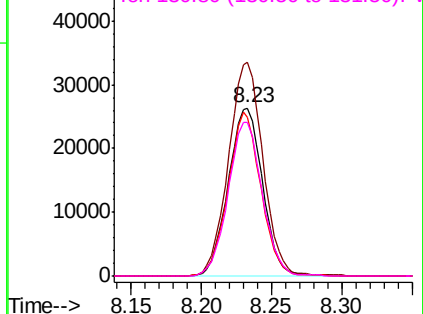
Abundance

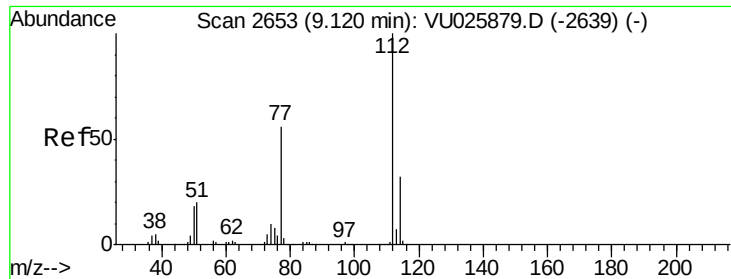
Ion 163.80 (163.50 to 164.50): V

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: 20.17 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS01

Tot Ion:112 Resp: 124668

Ion Ratio Lower Upper

112 100

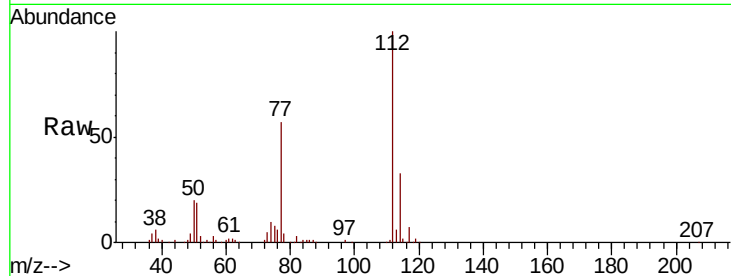
114 32.7 25.8 38.8

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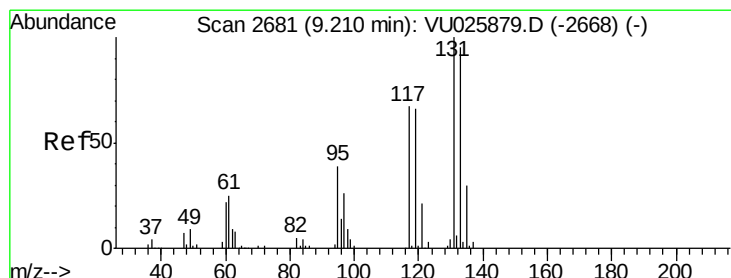
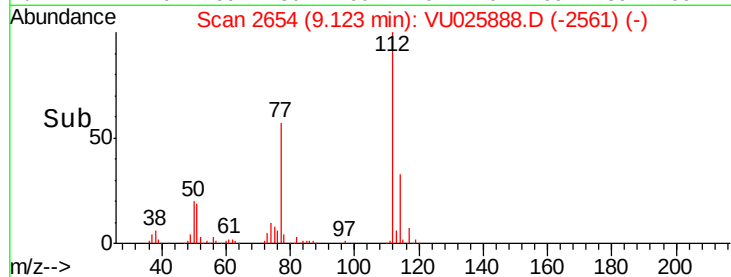
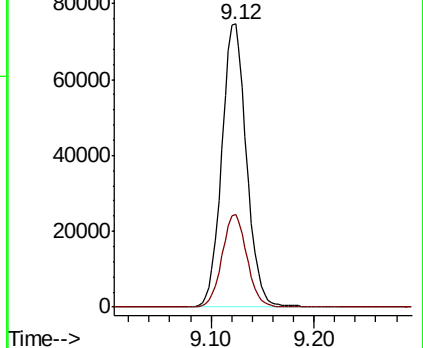
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.06 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

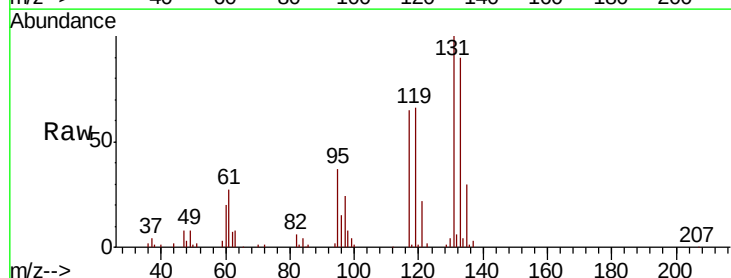
Tgt Ion:131 Resp: 47089

Ion Ratio Lower Upper

131 100

133 92.8 47.8 143.3

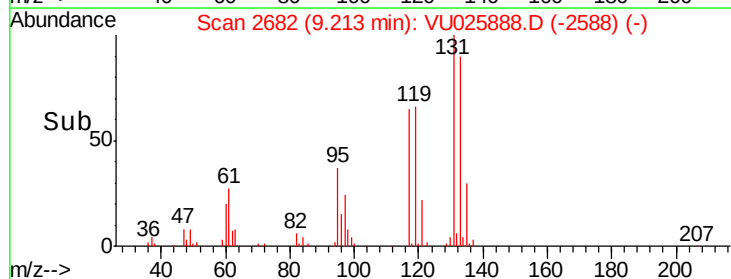
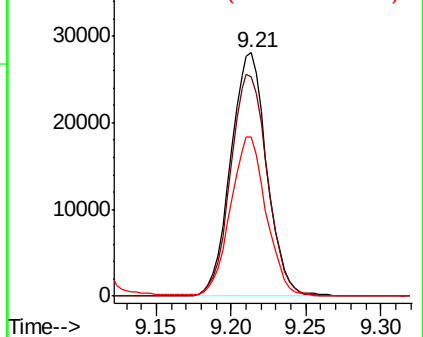
119 64.9 31.6 95.0

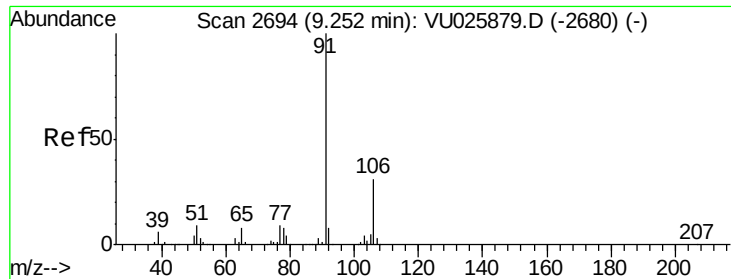


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





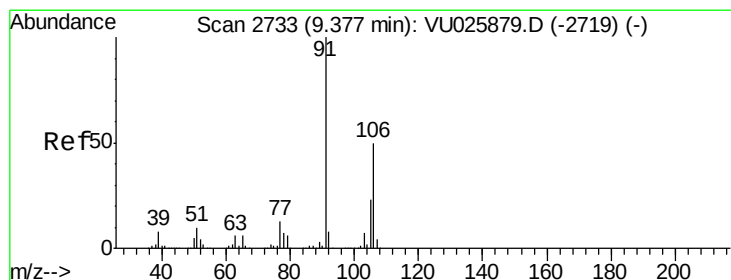
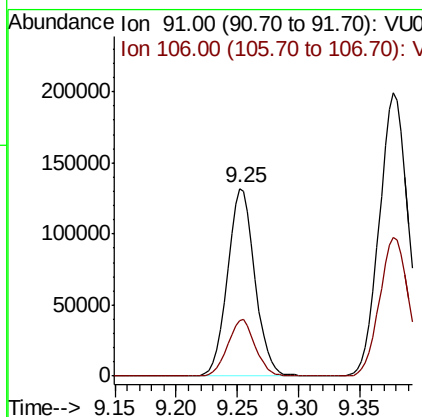
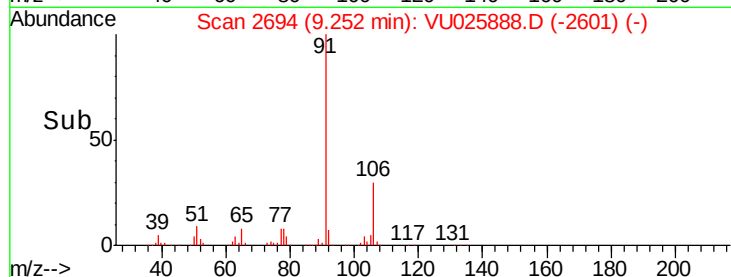
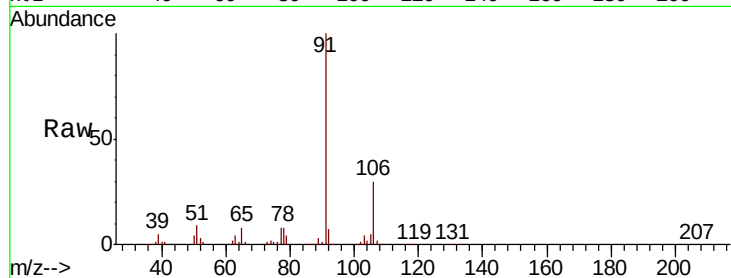
#67
Ethyl Benzene
Concen: 20.23 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS01

Tot Ion: 91 Resp: 207082
Ion Ratio Lower Upper
91 100
106 29.5 25.3 37.9

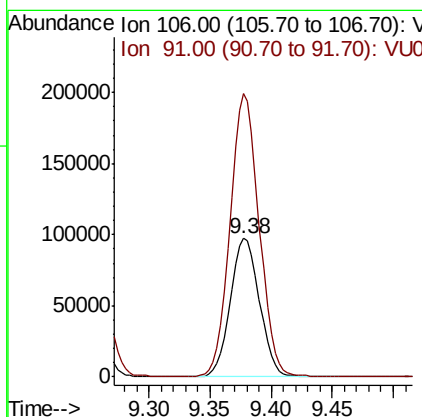
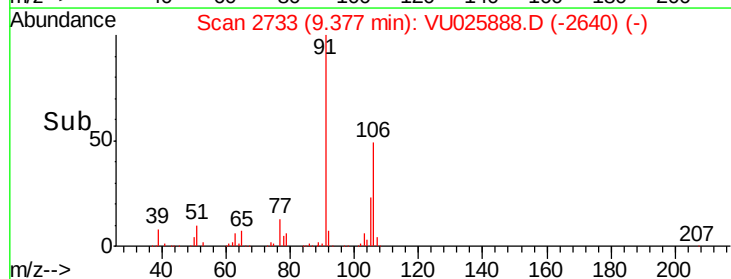
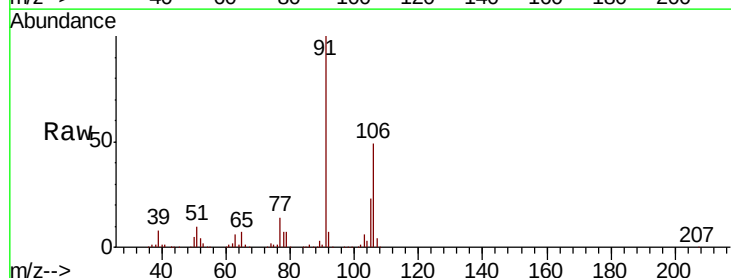
Manual Integrations
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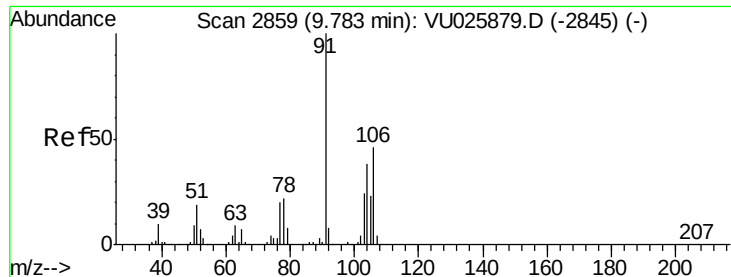
MMDadoda
8/7/2018 1:51:37 PM



#68
m/p-Xylenes
Concen: 41.32 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Tgt Ion: 106 Resp: 162441
Ion Ratio Lower Upper
106 100
91 202.3 162.3 243.5





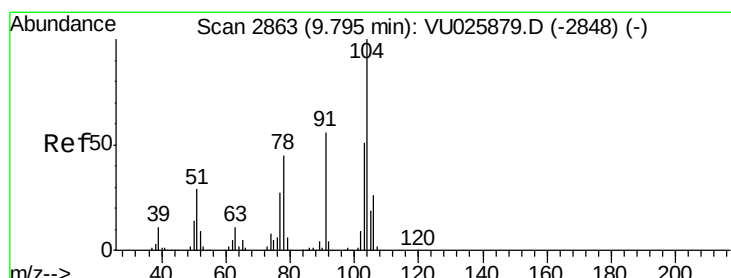
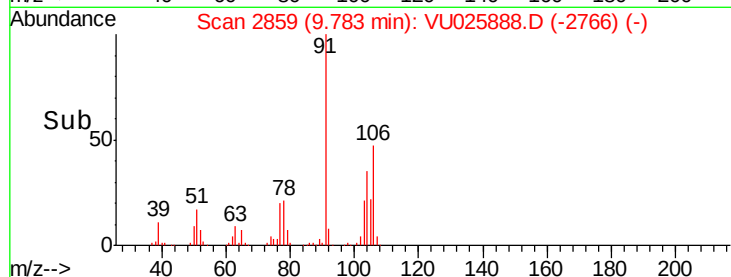
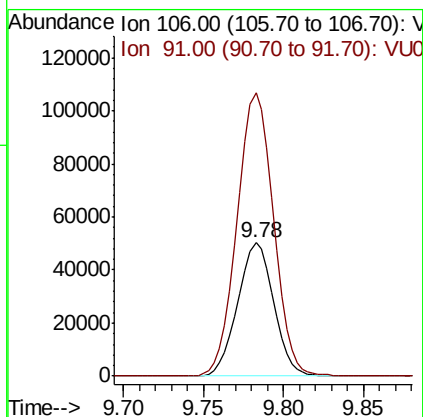
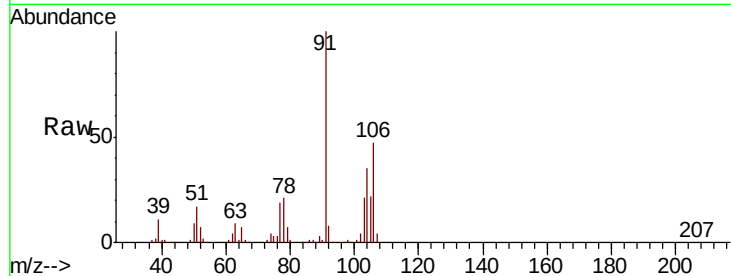
#69
o-Xylene
Concen: 20.10 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		77231		
91	214.7	105.3	315.8		

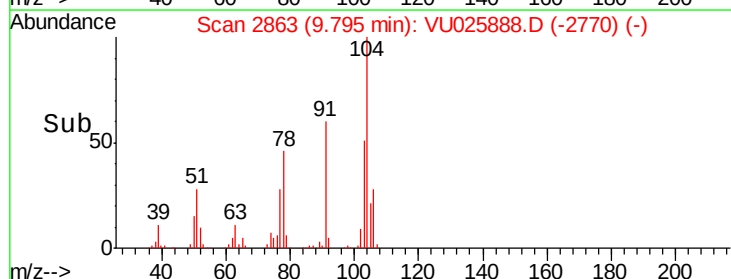
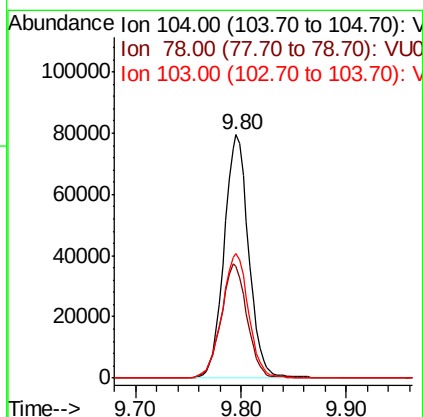
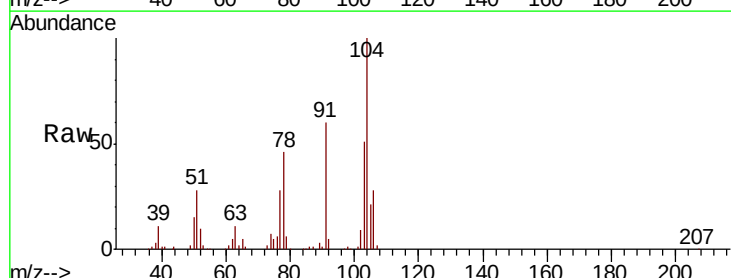
Manual Integrations
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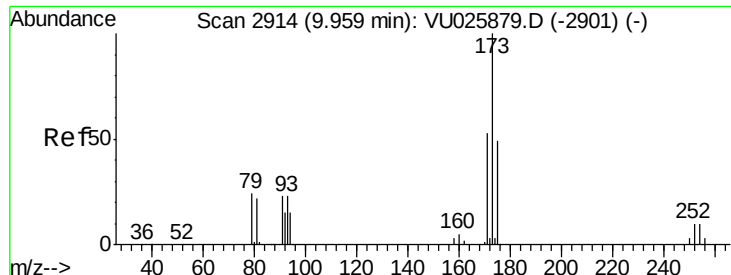
MMDadoda
8/7/2018 1:51:37 PM



#70
Styrene
Concen: 20.69 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		128416		
78	49.6	41.6	62.4		
103	55.4	44.6	66.8		





#71

Bromoform

Concen: 19.94 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS01

Tot Ion:173 Resp: 38655

Ion Ratio Lower Upper

173 100

175 48.1 24.0 72.0

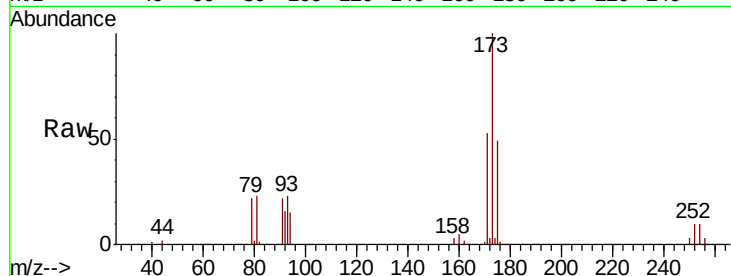
254 0.0 0.0 0.0

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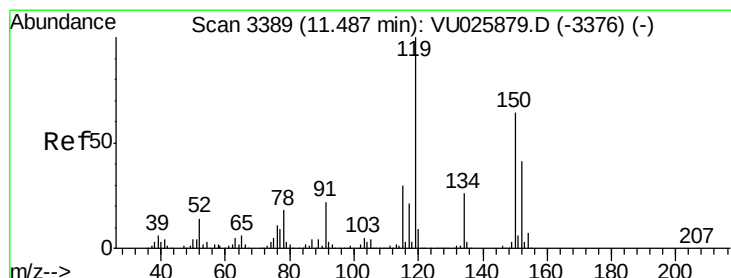
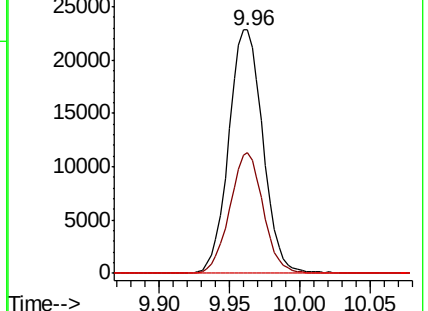
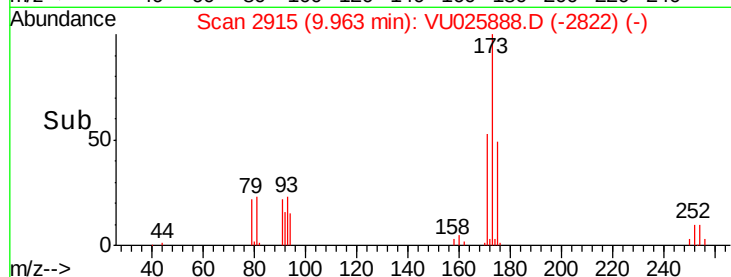
8/7/2018 1:51:37 PM



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: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

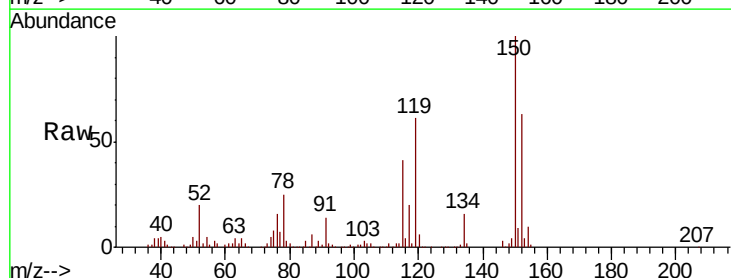
Tgt Ion:152 Resp: 149852

Ion Ratio Lower Upper

152 100

115 66.5 40.1 120.3

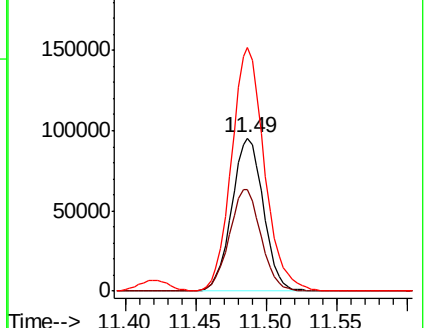
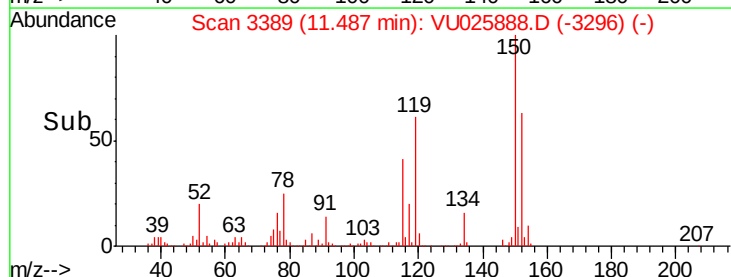
150 165.0 0.0 351.4

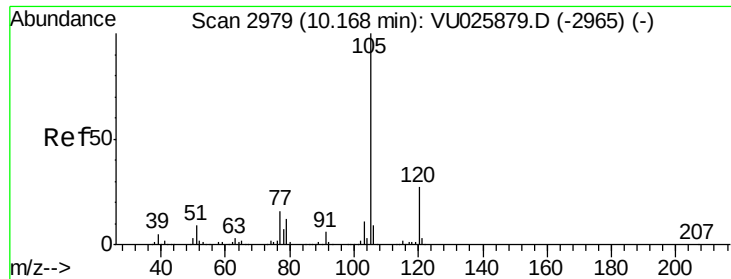


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





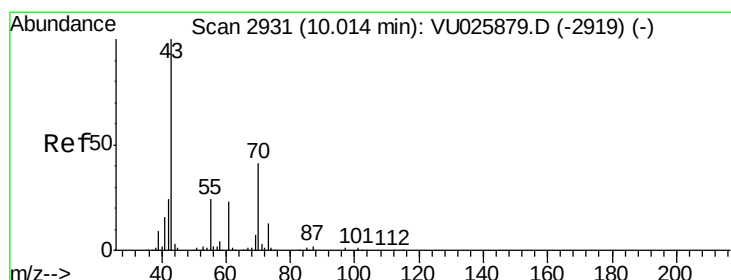
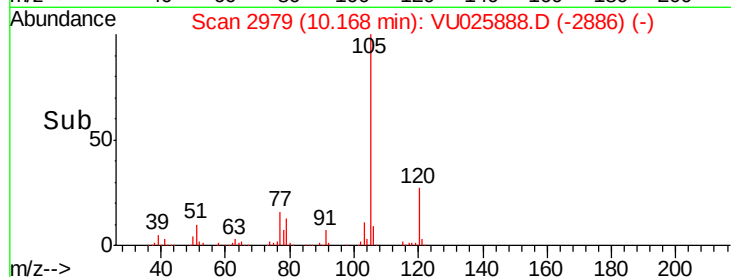
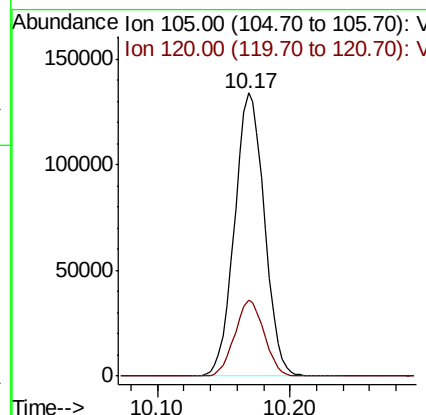
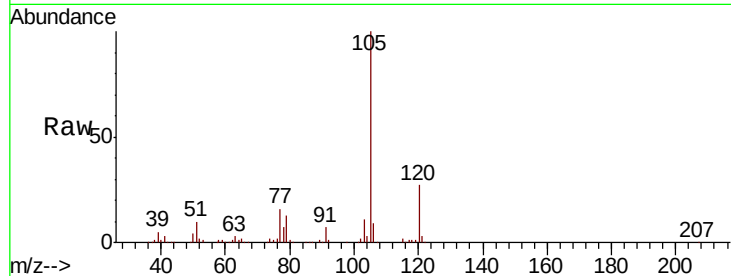
#73
Isopropylbenzene
Concen: 20.40 ug/l
RT: 10.17 min Scan# 2979
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.5	40.5

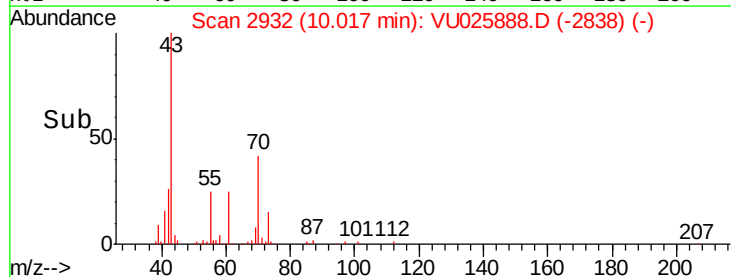
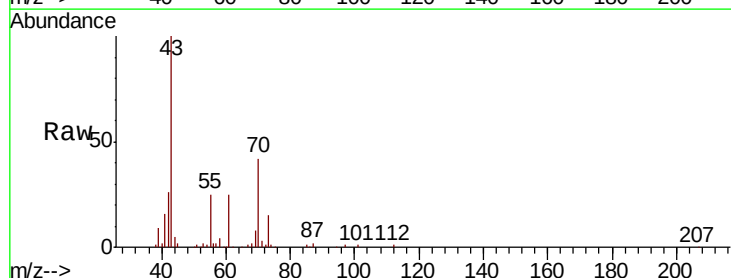
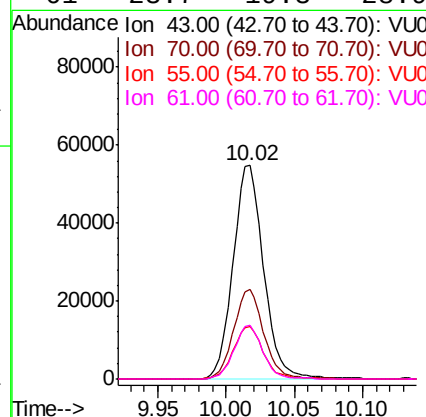
Manual Integrations
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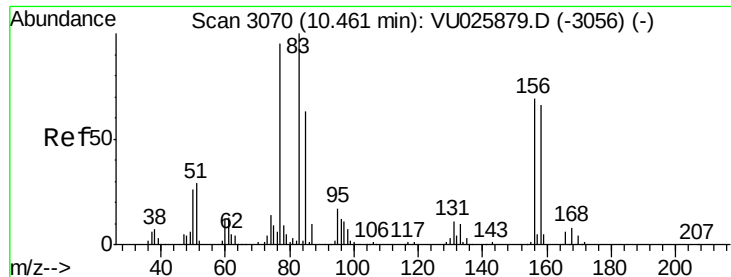
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#74
N-ethyl acetate
Concen: 20.47 ug/l
RT: 10.02 min Scan# 2932
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.4	33.4	50.2
55	24.2	19.0	28.6
61	23.7	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.40 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS01

Tot Ion: 83 Resp: 72160

Ion Ratio Lower Upper

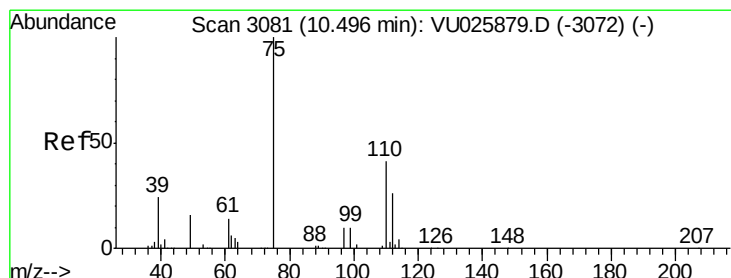
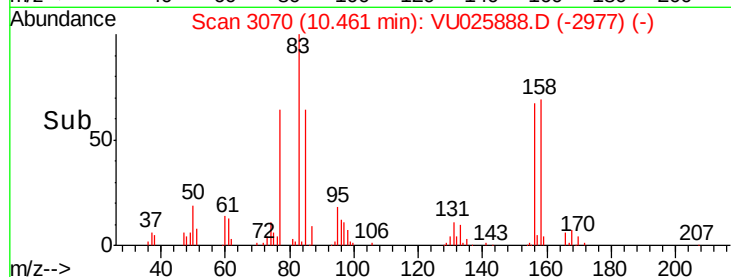
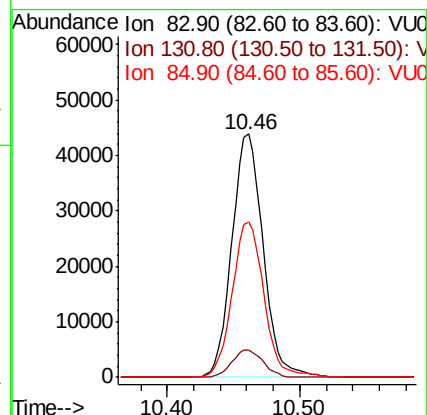
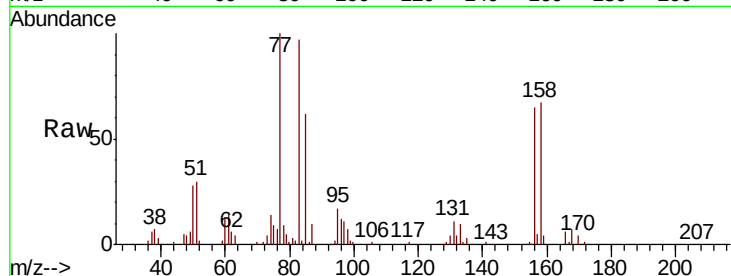
83 100

131 11.2 5.5 16.4

85 64.7 31.6 94.8

Manual Integrations
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8/7/2018 1:51:37 PM



#76

1,2,3-Trichloropropane

Concen: 19.63 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025888.D

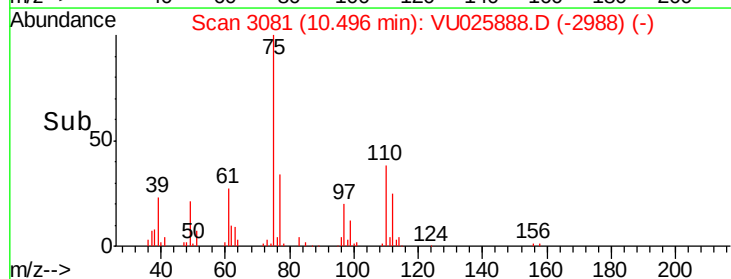
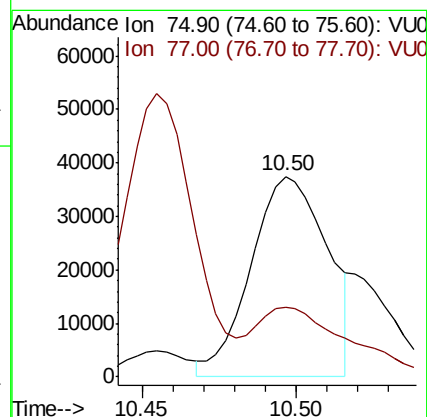
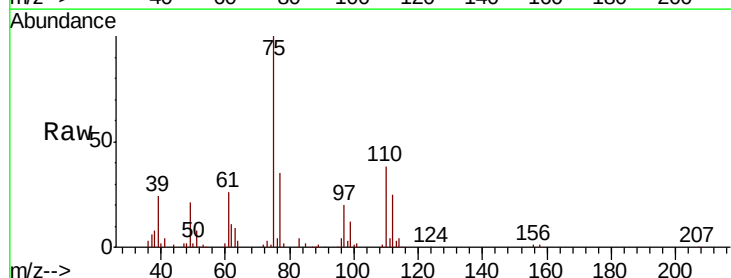
Acq: 06 Aug 2018 16:07

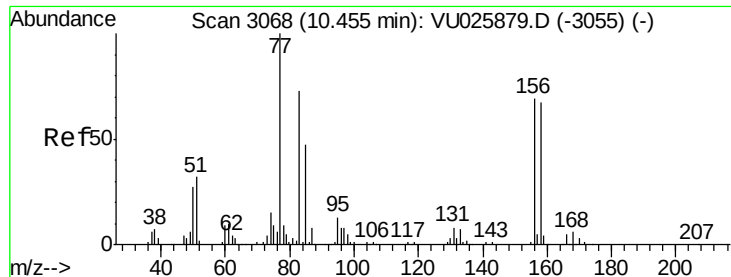
Tgt Ion: 75 Resp: 64827

Ion Ratio Lower Upper

75 100

77 43.8 20.4 61.3





#77

Bromobenzene

Concen: 19.70 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS01

Tot Ion:156 Resp: 55578

Ion Ratio Lower Upper

156 100

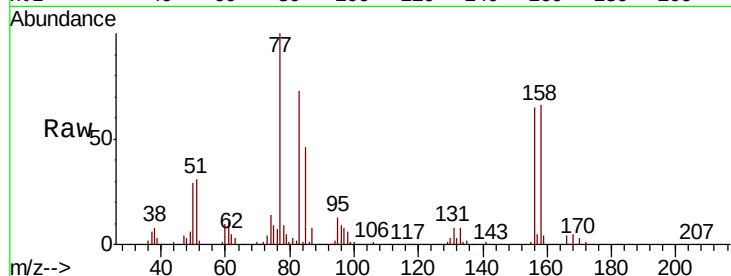
77 152.9 73.8 221.4

158 100.1 48.0 144.0

Manual Integrations
APPROVED

MMDadoda

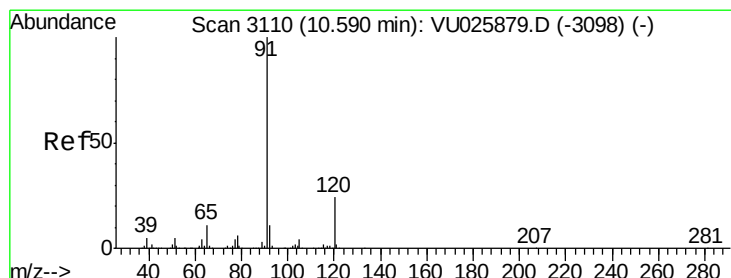
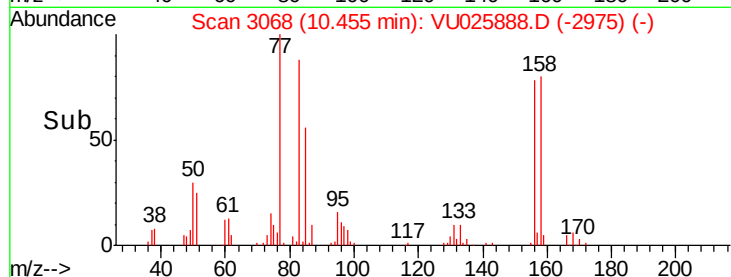
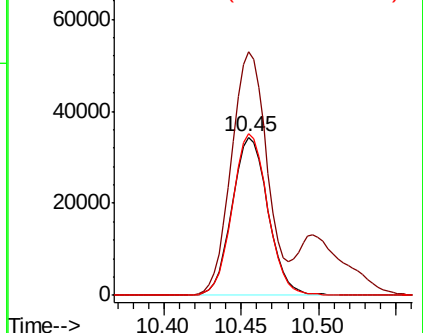
8/7/2018 1:51:37 PM



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: 20.67 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025888.D

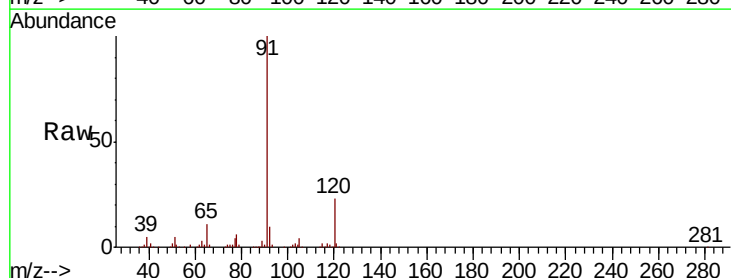
Acq: 06 Aug 2018 16:07

Tgt Ion: 91 Resp: 246780

Ion Ratio Lower Upper

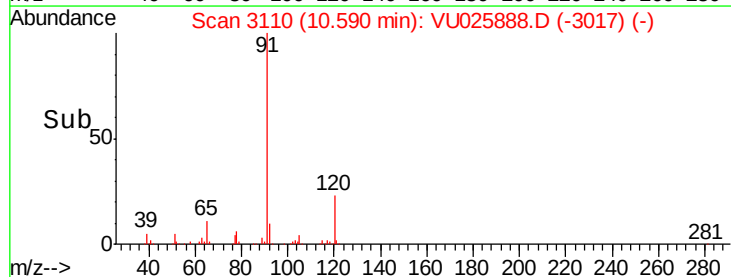
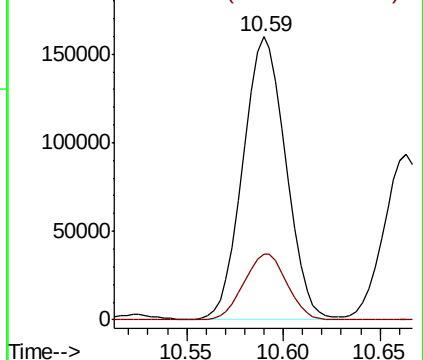
91 100

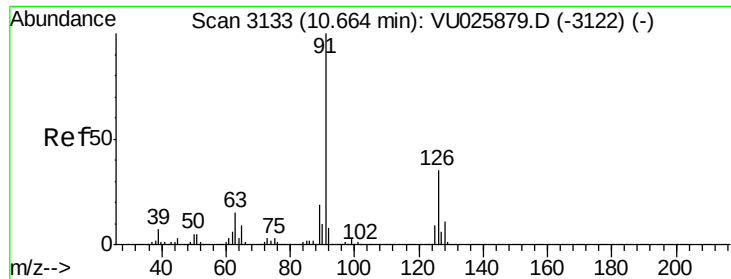
120 23.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.05 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS01

Tot Ion: 91 Resp: 147212

Ion Ratio Lower Upper

91 100

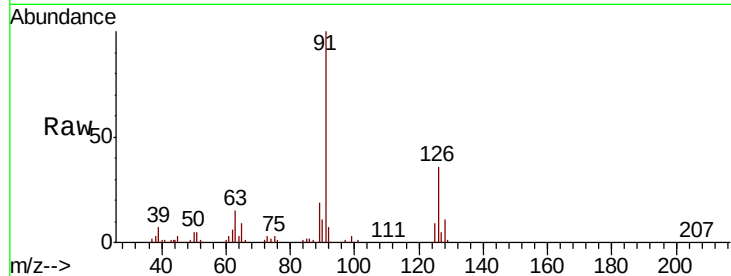
126 35.5 17.5 52.6

Manual Integrations

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8/7/2018 1:51:37 PM



Abundance Ion 91.00 (90.70 to 91.70): VU025879.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU025879.D (-3122) (-)

150000

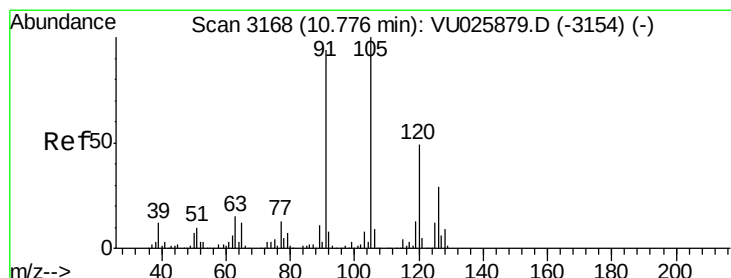
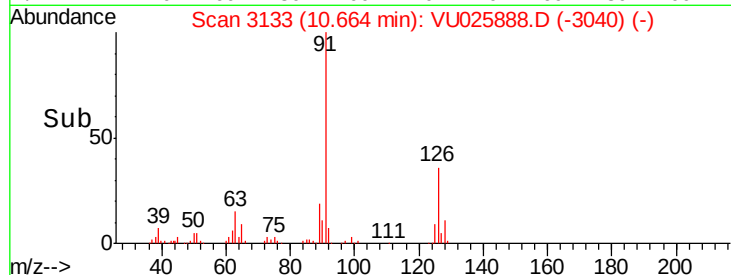
100000

50000

0

10.60 10.65 10.70 10.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.73 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025888.D

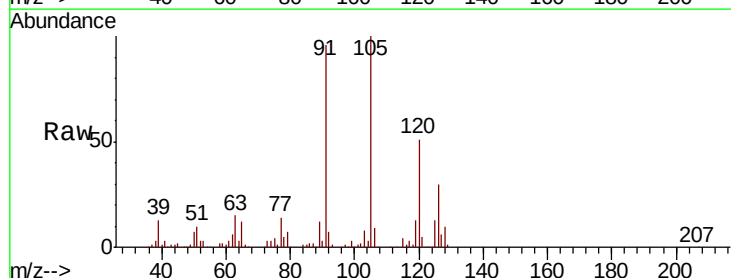
Acq: 06 Aug 2018 16:07

Tgt Ion:105 Resp: 180091

Ion Ratio Lower Upper

105 100

120 49.7 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025879.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU025879.D (-3154) (-)

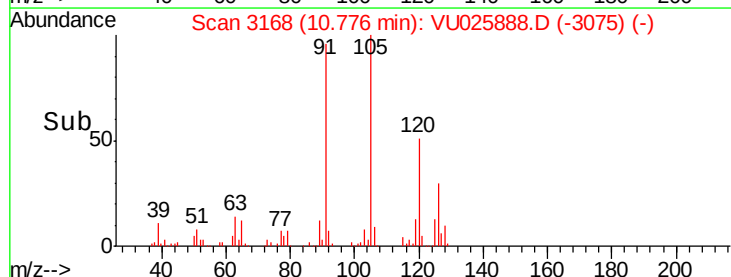
100000

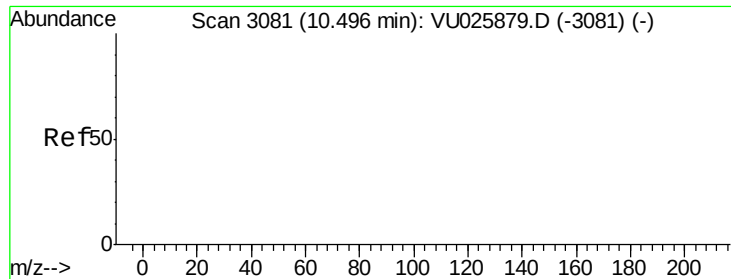
50000

0

10.70 10.75 10.80

Time-->





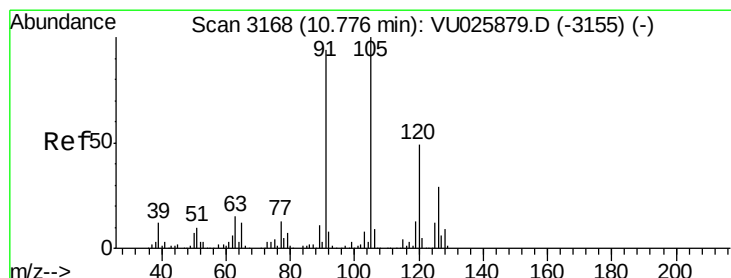
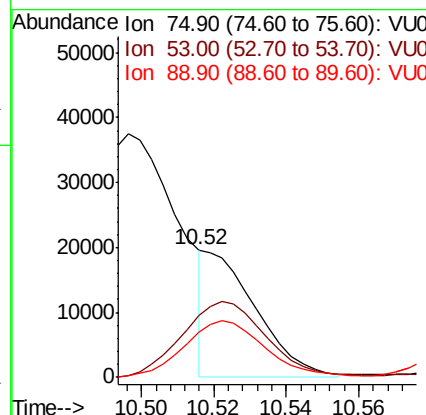
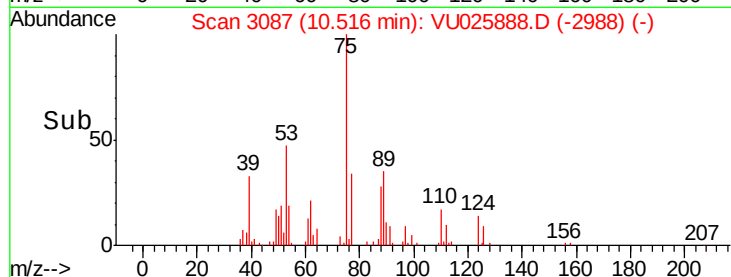
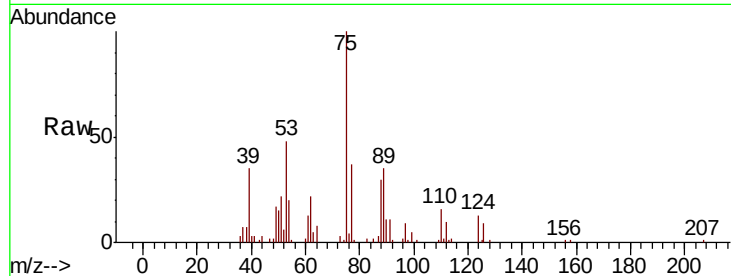
#81
trans-1,4-Dichloro-2-butene
Concen: 14.41 ug/l m
RT: 10.52 min Scan# 3087
Delta R.T. 0.02 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS01

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

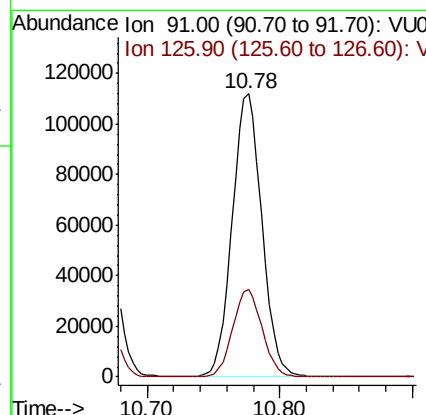
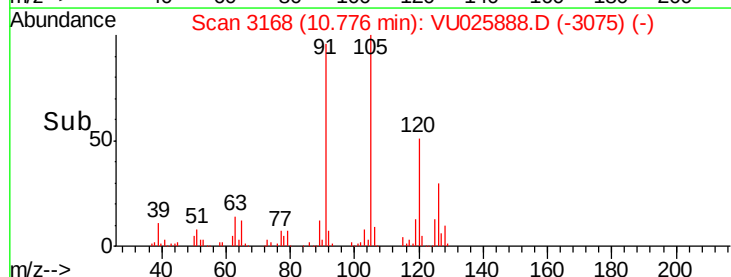
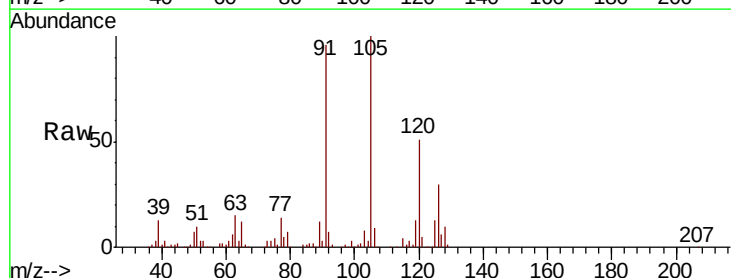
Manual Integrations
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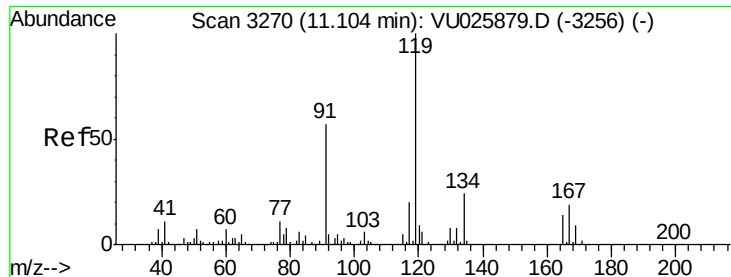
MMDadoda
8/7/2018 1:51:37 PM



#82
4-Chlorotoluene
Concen: 21.05 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.3	45.9





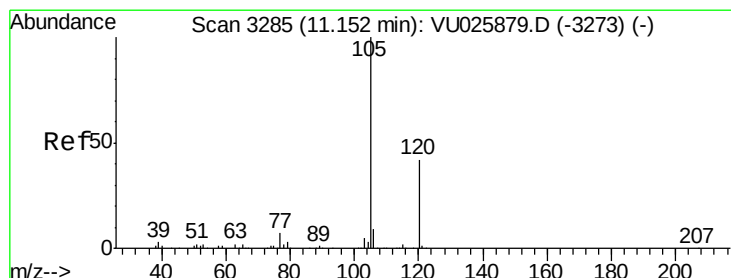
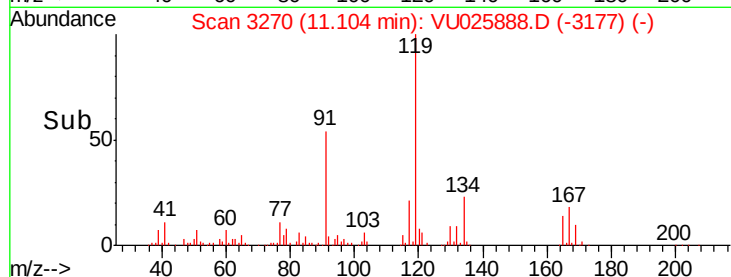
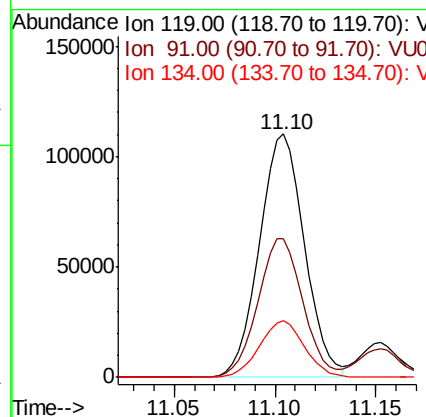
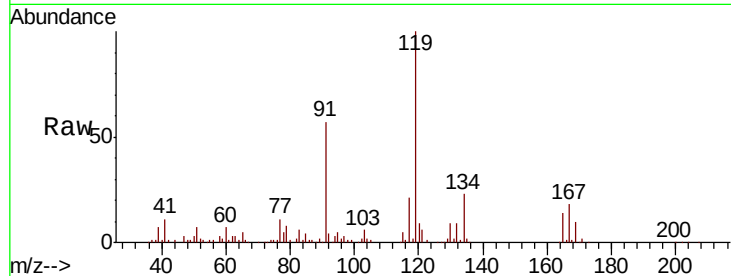
#83
 tert-Butylbenzene
 Concen: 19.90 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Instrument :
 MSVOA_U
 ClientSampled :
 VU0806WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	171780		
91	56.7	29.7	89.1	
134	23.0	11.5	34.5	

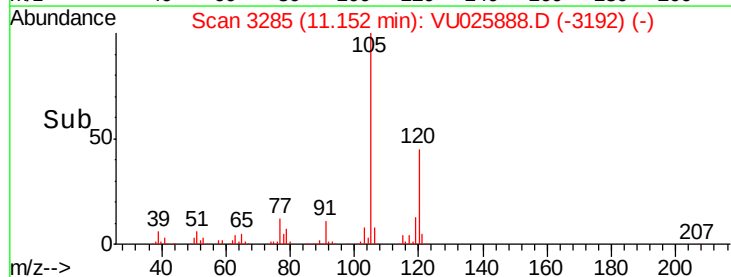
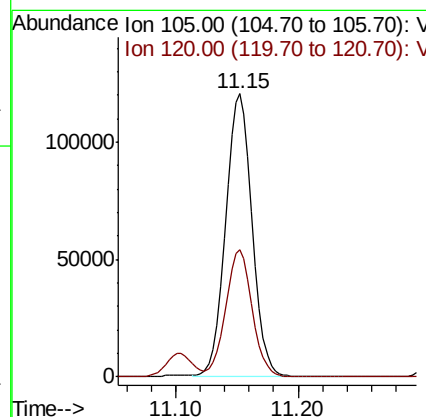
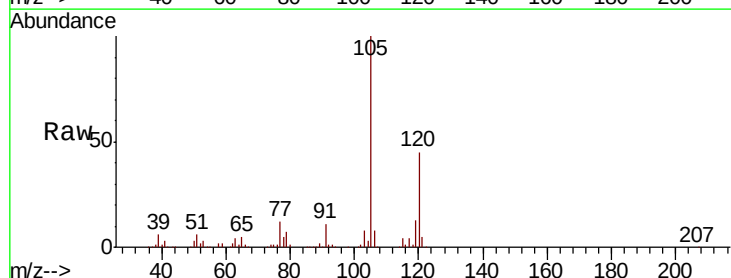
Manual Integrations
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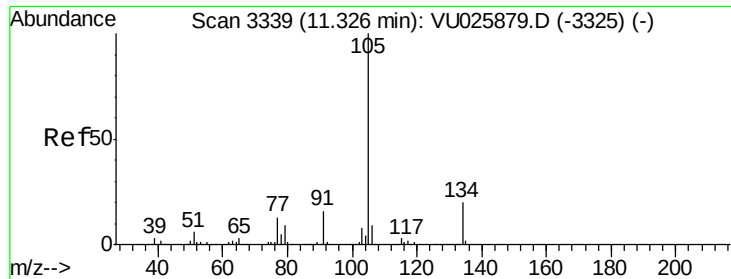
MMDadoda
 8/7/2018 1:51:37 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.93 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	184229		
120	44.9	22.3	66.8	





#85

sec-Butylbenzene

Concen: 19.80 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS01

Tot Ion:105 Resp: 208674

Ion Ratio Lower Upper

105 100

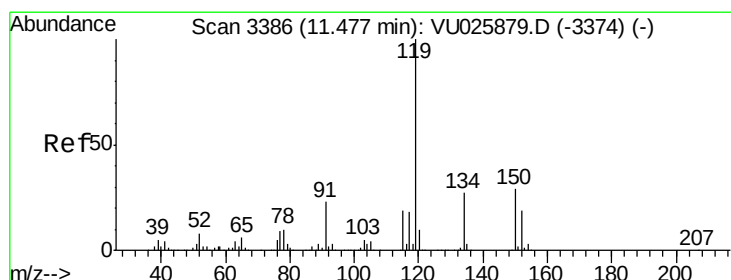
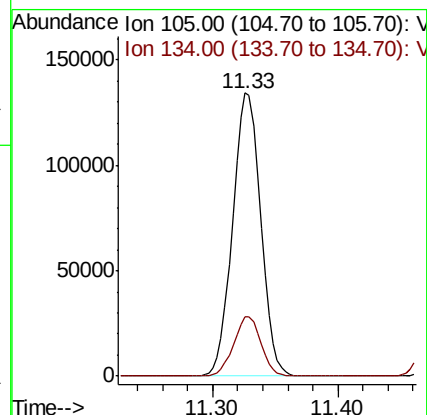
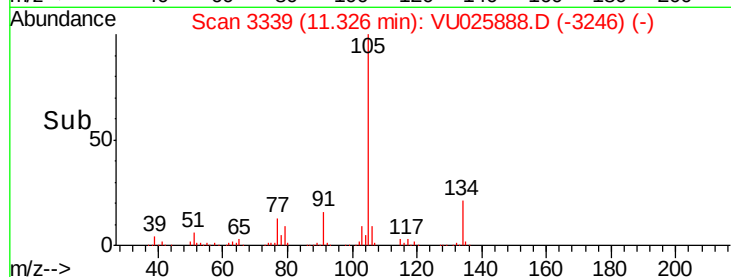
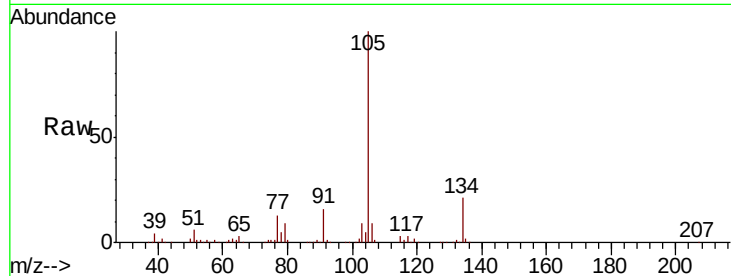
134 20.4 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.72 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

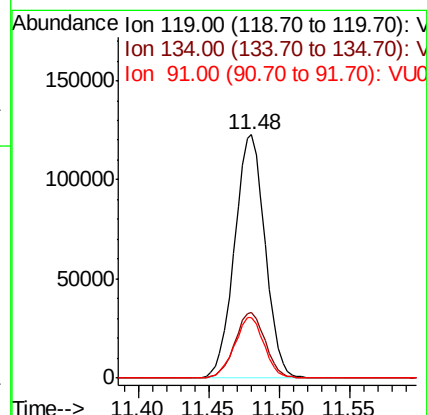
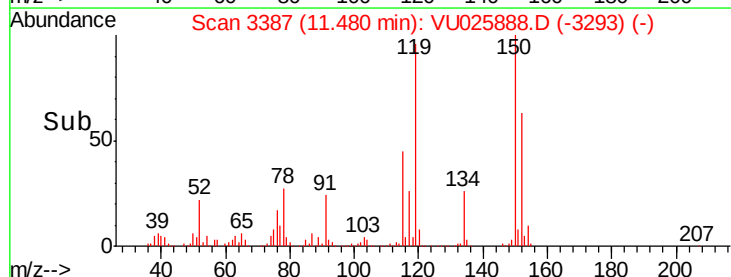
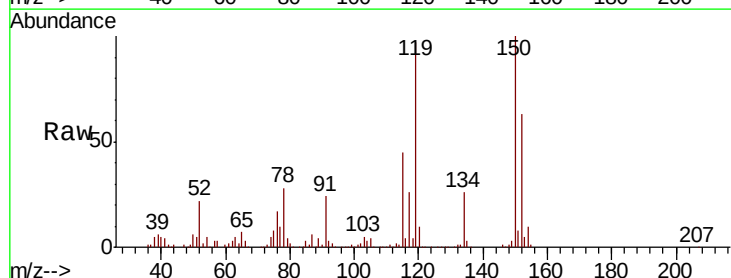
Tgt Ion:119 Resp: 186036

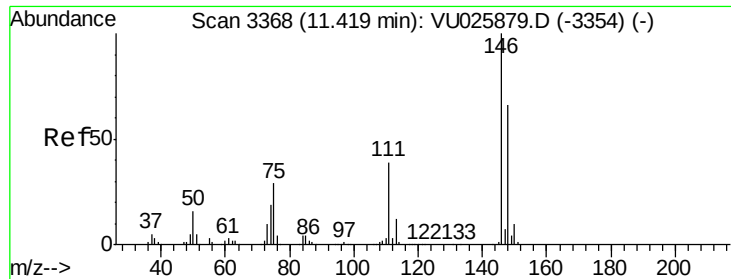
Ion Ratio Lower Upper

119 100

134 26.9 13.2 39.5

91 24.4 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 20.35 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Instrument :

MSVOA_U

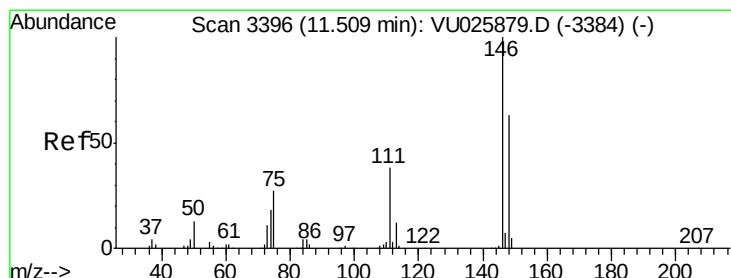
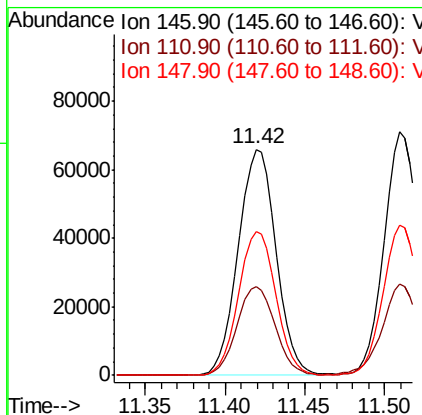
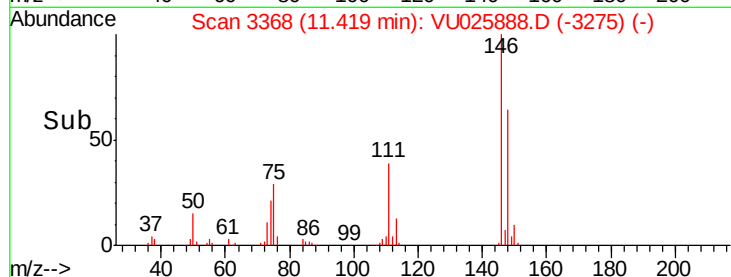
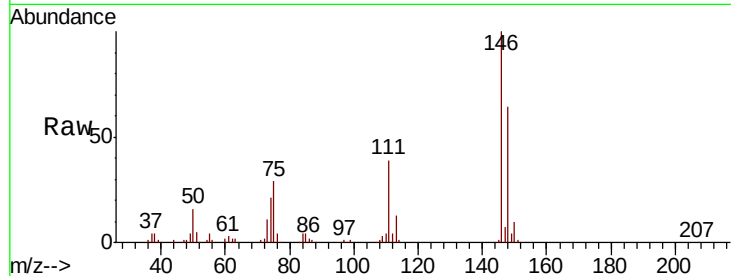
ClientSampleId :

VU0806WBS01

Tot Ion:	146	Resp:	106581
Ion Ratio	Lower	Upper	
146	100		
111	39.5	19.7	59.1
148	62.7	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.98 ug/l

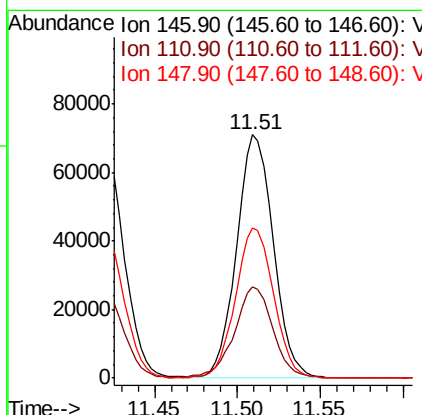
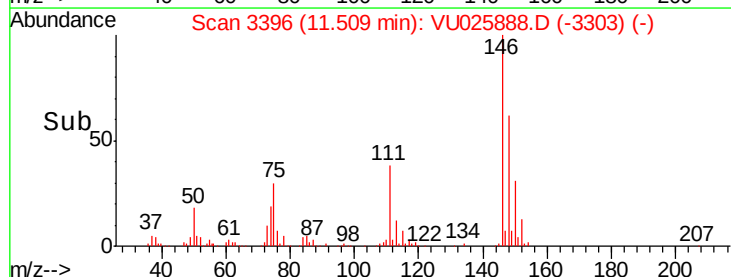
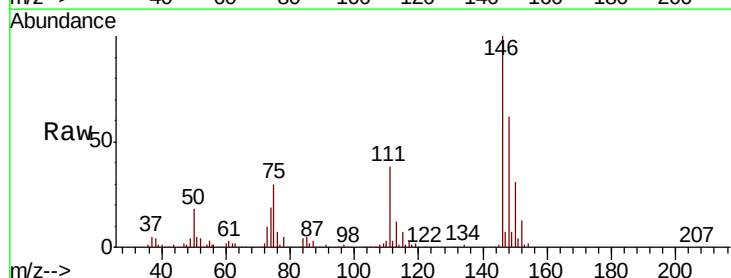
RT: 11.51 min Scan# 3396

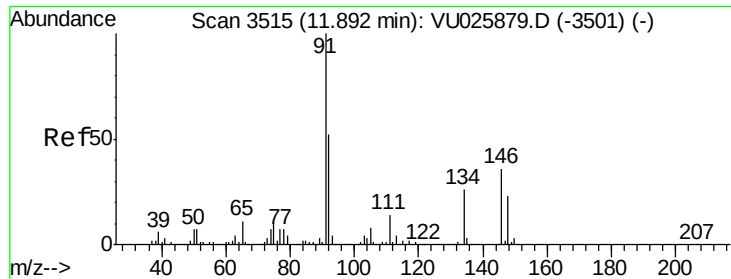
Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Tgt Ion:	146	Resp:	109060
Ion Ratio	Lower	Upper	
146	100		
111	39.7	19.4	58.1
148	64.5	31.7	95.1





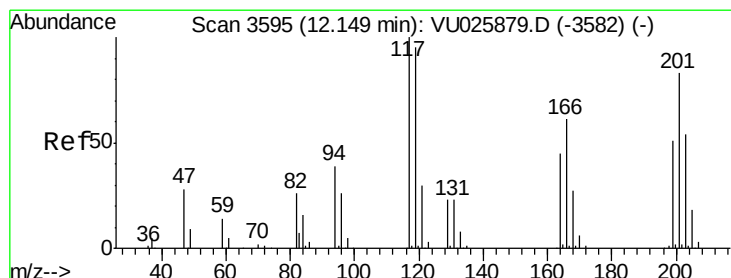
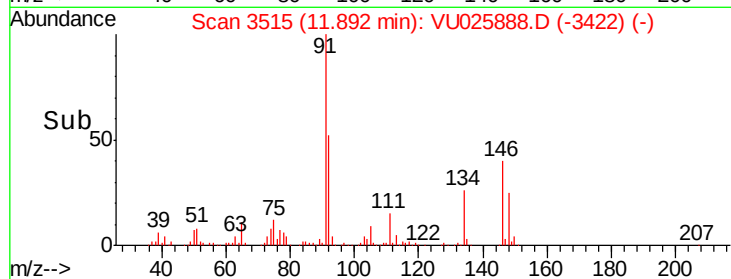
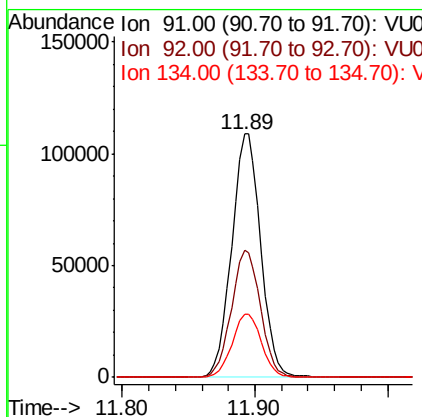
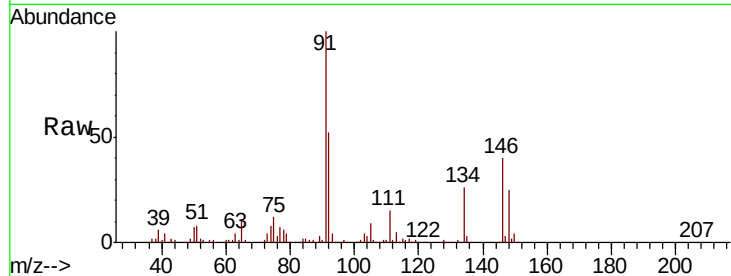
#89
n-Butylbenzene
Concen: 18.96 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	165111		
92	52.3	26.5	79.5	
134	26.1	13.6	40.7	

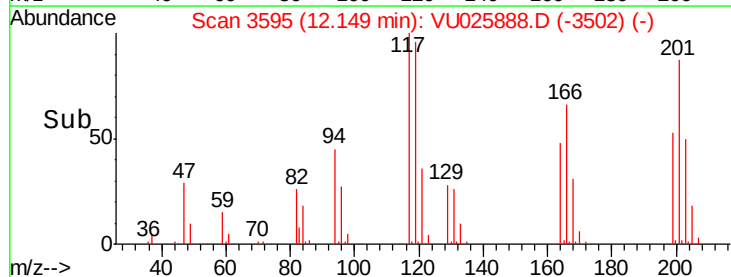
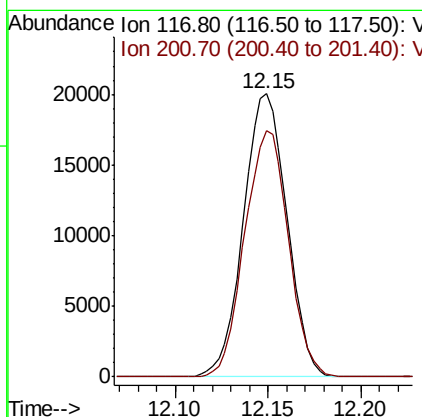
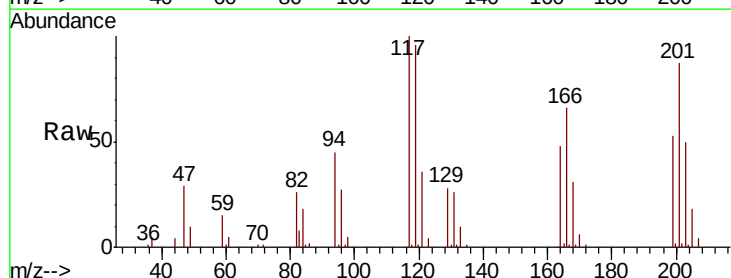
Manual Integrations
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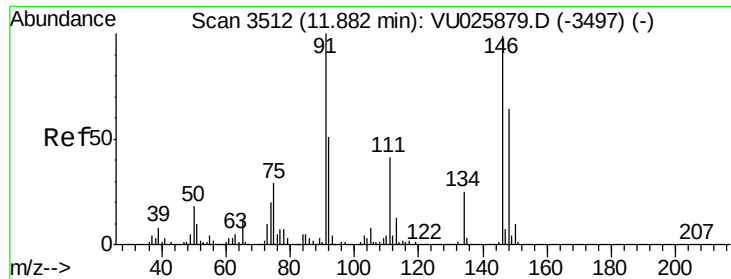
MMDadoda
8/7/2018 1:51:37 PM



#90
Hexachloroethane
Concen: 19.49 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025888.D
Acq: 06 Aug 2018 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32696		
201	87.1	42.5	127.6	





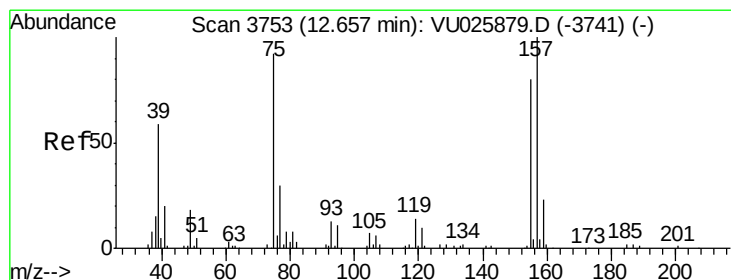
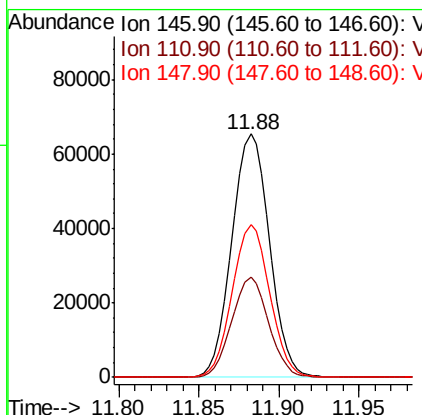
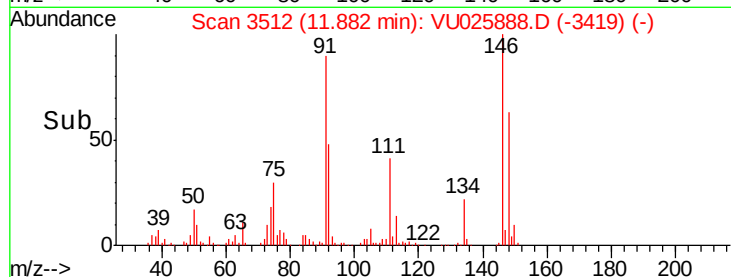
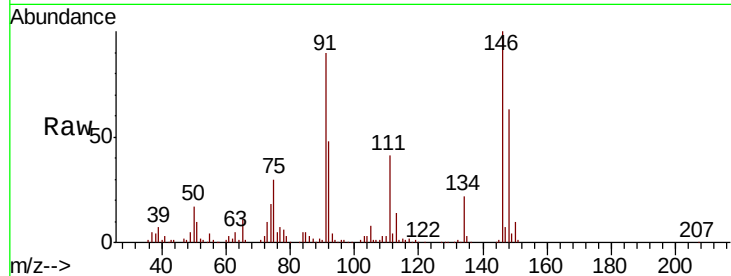
#91
 1,2-Dichlorobenzene
 Concen: 20.46 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.6	61.8
148	62.3	31.5	94.5

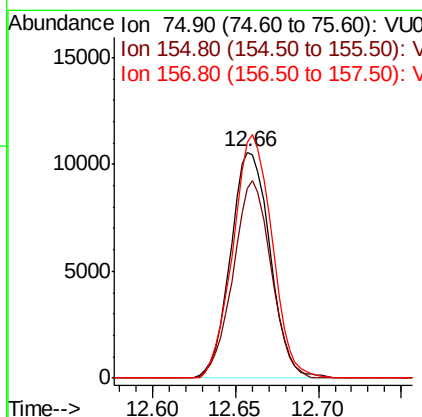
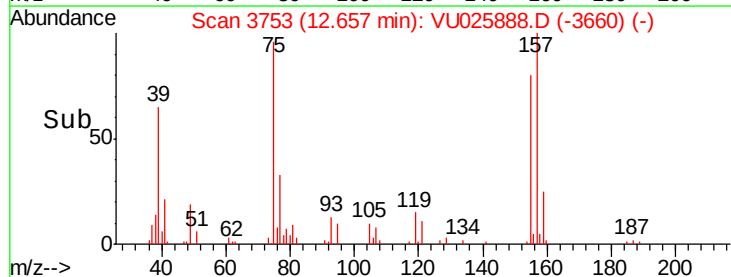
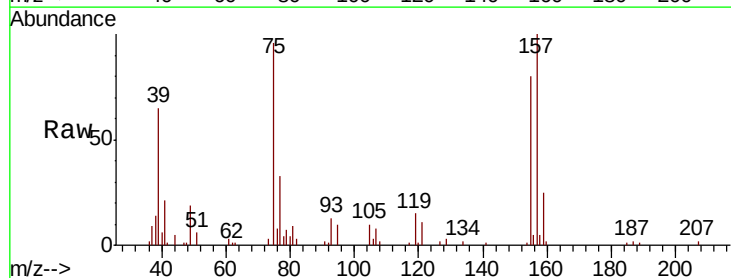
Manual Integrations
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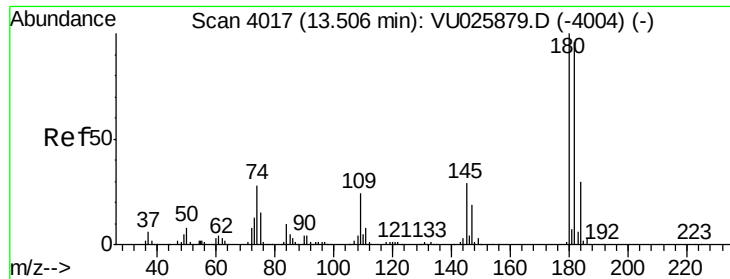
MMDadoda
 8/7/2018 1:51:37 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.94 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.8	44.5	133.3
157	107.0	57.0	170.8





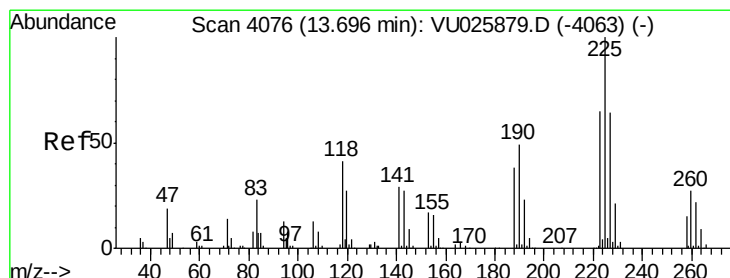
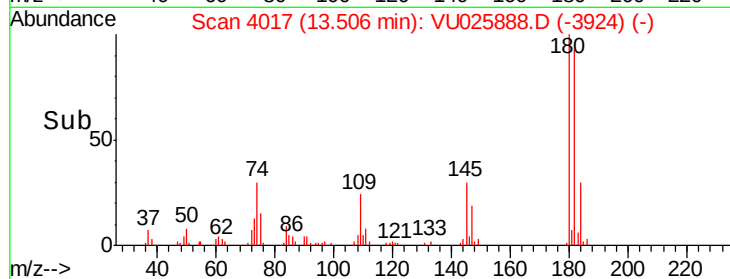
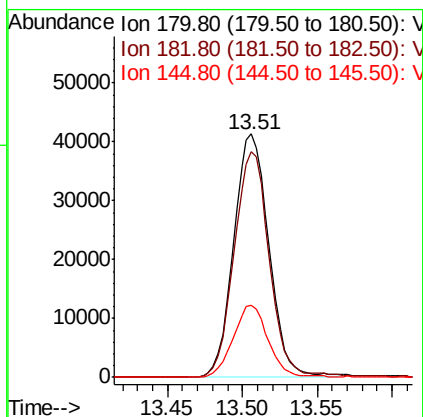
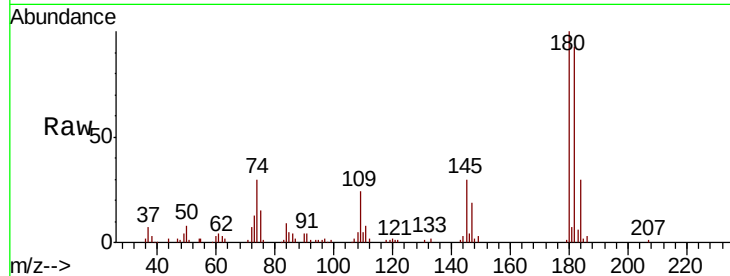
#93
 1,2,4-Trichlorobenzene
 Concen: 19.57 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.7	47.3	141.9
145	29.6	14.9	44.7

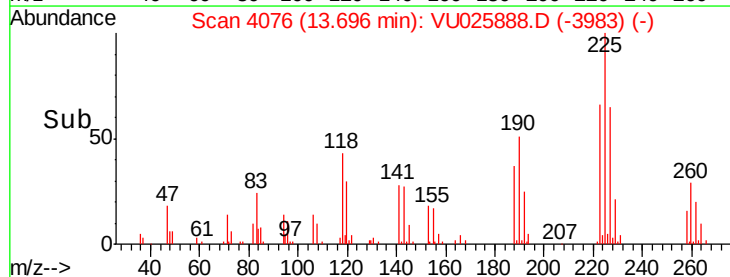
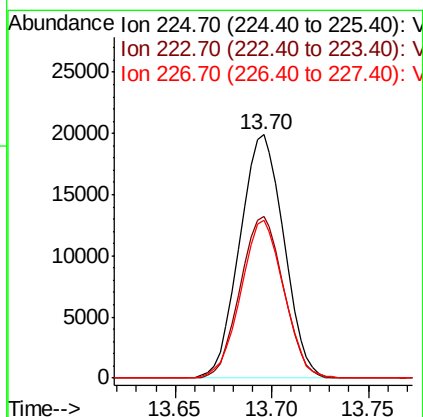
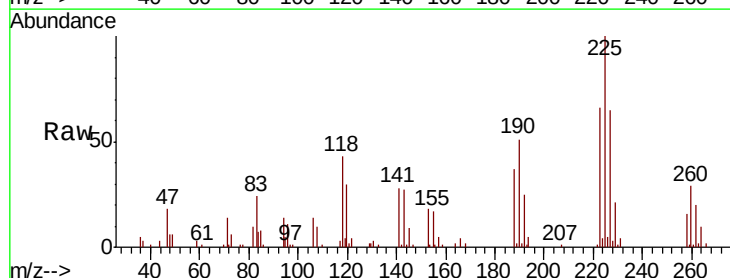
Manual Integrations
 APPROVED

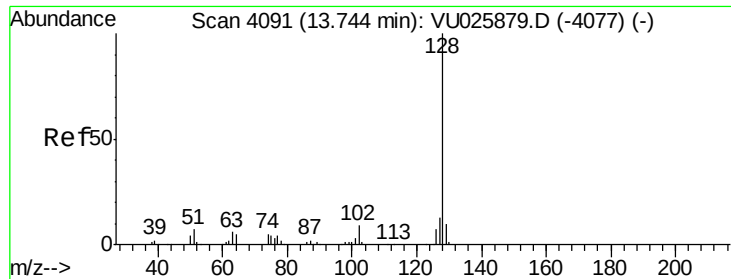
MMDadoda
 8/7/2018 1:51:37 PM



#94
 Hexachlorobutadiene
 Concen: 17.32 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025888.D
 Acq: 06 Aug 2018 16:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	31.9	95.7
227	63.2	32.3	96.9





#95

Naphthalene

Concen: 18.44 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Instrument :

MSVOA_U

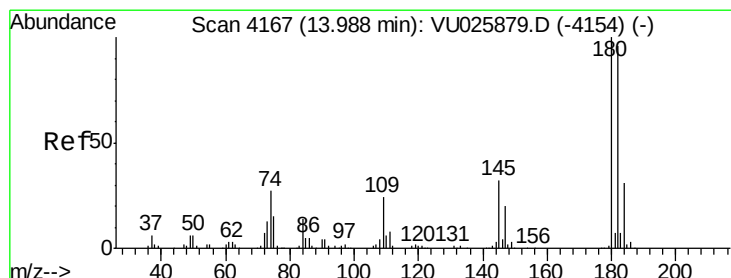
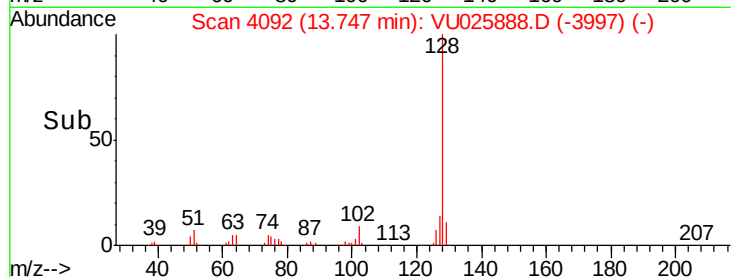
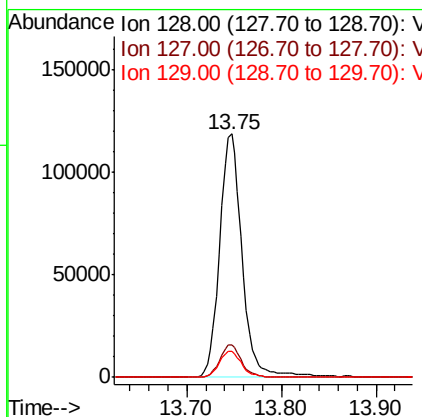
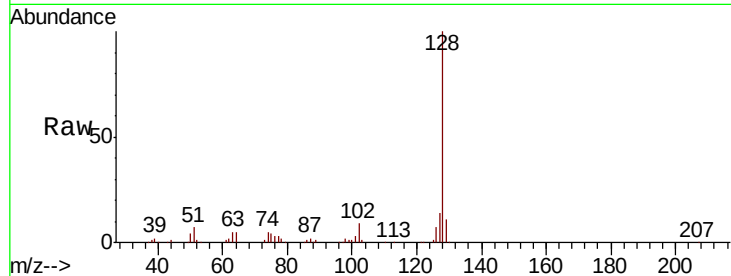
ClientSampleId :

VU0806WBS01

Tot Ion:	128	Resp:	196178
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.5	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
8/7/2018 1:51:37 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.99 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025888.D

Acq: 06 Aug 2018 16:07

Tgt Ion:	180	Resp:	69072
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.8	143.3
145	31.1	15.6	46.8

