

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072018\
 Data File : VU025530.D
 Acq On : 20 Jul 2018 10:05
 Operator : MD/SY
 Sample : VSTD05055
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 21 00:56:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 00:55:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	344429	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	321494	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	167032	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	96393	57.12	ug/L	0.00
7) Chloroethane-d5	1.68	69	78113	54.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	203295	55.14	ug/L	0.00
21) 2-Butanone-d5	4.18	46	155048	92.32	ug/L	0.00
24) Chloroform-d	4.65	84	220413	51.89	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	143101	49.93	ug/L	0.00
32) Benzene-d6	5.35	84	411981	52.52	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	130178	50.51	ug/L	0.00
41) Toluene-d8	7.57	98	400890	52.59	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	68932	51.26	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	114372	88.54	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	186509	49.05	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	169456	50.48	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	163110	55.106	ug/L 100
3) Chloromethane	1.33	50	116412	46.653	ug/L 100
5) Vinyl chloride	1.41	62	130337	51.072	ug/L 100
6) Bromomethane	1.63	94	45632	35.540	ug/L 100
8) Chloroethane	1.70	64	76986	50.316	ug/L 100
9) Trichlorofluoromethane	1.89	101	182727	48.898	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	107626	51.563	ug/L 100
12) 1,1-Dichloroethene	2.29	96	95155	50.392	ug/L 100
13) Acetone	2.32	43	170118	107.406	ug/L 100
14) Carbon disulfide	2.48	76	305640	49.972	ug/L 100
15) Methyl Acetate	2.62	43	121418	44.572	ug/L 100
16) Methylene chloride	2.71	84	116960	48.065	ug/L 100
17) trans-1,2-Dichloroethene	2.99	96	106618	48.331	ug/L 100
18) Methyl tert-butyl Ether	3.00	73	356995	46.502	ug/L 100
19) 1,1-Dichloroethane	3.45	63	207149	47.351	ug/L 100
20) cis-1,2-Dichloroethene	4.23	96	123161	46.089	ug/L 100
22) 2-Butanone	4.26	43	194372	94.517	ug/L 100
23) Bromochloromethane	4.55	128	65691	48.883	ug/L 100
25) Chloroform	4.68	83	217942	47.475	ug/L 100
27) 1,2-Dichloroethane	5.41	62	180493	47.350	ug/L 100
29) Cyclohexane	5.00	56	184312	49.378	ug/L 100
30) 1,1,1-Trichloroethane	4.92	97	197433	46.687	ug/L 100
31) Carbon tetrachloride	5.14	117	180566	48.370	ug/L 100
33) Benzene	5.39	78	455093	48.105	ug/L 100
34) Trichloroethene	6.19	95	118802	47.391	ug/L 100
35) Methylcyclohexane	6.42	83	194061	49.444	ug/L 100
37) 1,2-Dichloropropane	6.44	63	124405	47.923	ug/L 100
38) Bromodichloromethane	6.76	83	162145	46.534	ug/L 100
39) cis-1,3-Dichloropropene	7.27	75	199104	49.438	ug/L 100
40) 4-Methyl-2-pentanone	7.46	43	333960	89.845	ug/L 100

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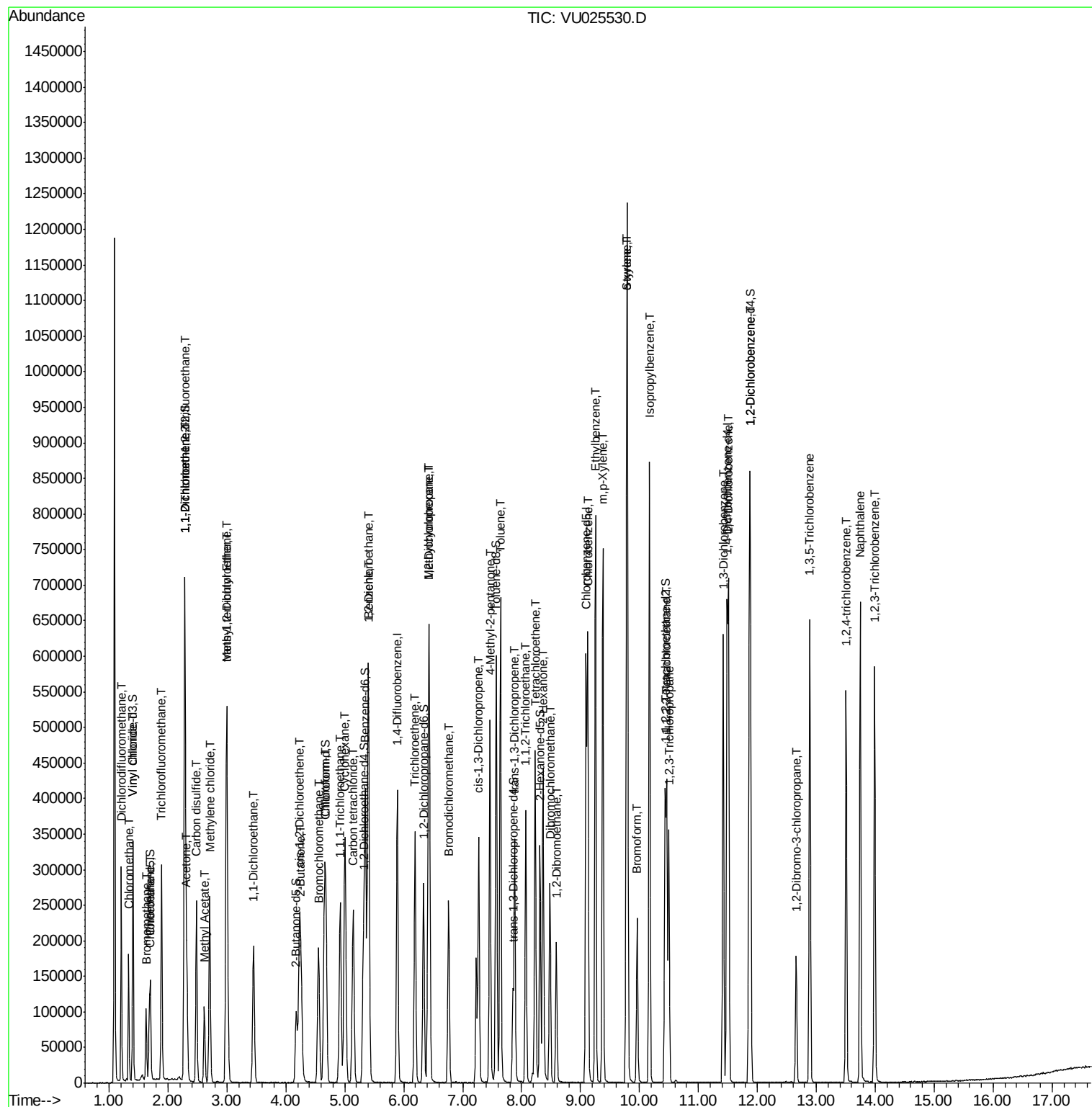
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	496192	48.927	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	182738	47.399	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	117994	47.831	ug/L	100
46) Tetrachloroethene	8.23	164	105444	49.279	ug/L	100
48) 2-Hexanone	8.36	43	277766	92.810	ug/L	100
49) Dibromochloromethane	8.48	129	142319	47.800	ug/L	100
50) 1,2-Dibromoethane	8.59	107	127891	47.180	ug/L	100
51) Chlorobenzene	9.12	112	326640	48.074	ug/L	100
52) Ethylbenzene	9.25	91	548056	48.383	ug/L	100
53) m,p-Xylene	9.38	106	211814	48.642	ug/L	100
54) o-xylene	9.78	106	212455	48.553	ug/L	100
55) Styrene	9.80	104	353906	49.005	ug/L	100
56) Isopropylbenzene	10.17	105	553666	48.681	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	192434	45.599	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	144975	42.719	ug/L	100
61) Bromoform	9.96	173	104730	45.793	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	258886	46.963	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	265045	47.419	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	274223	47.237	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	43373	41.548	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	202777	47.193	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	174314	46.004	ug/L	100
69) Naphthalene	13.74	128	539857	42.719	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	183518	45.487	ug/L	100

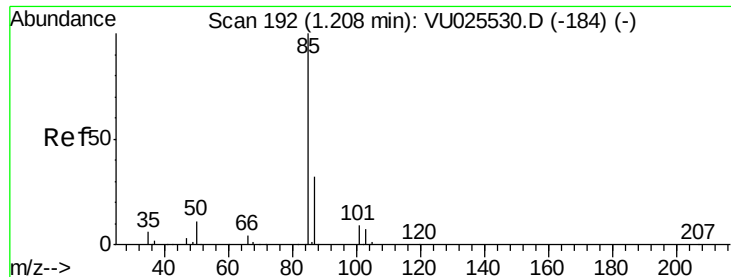
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 55.106 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025530.D

Acq: 20 Jul 2018 10:05

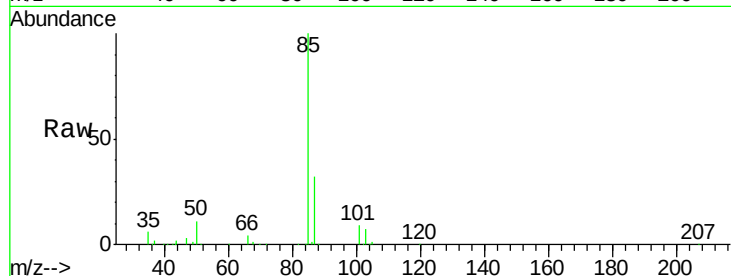
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 163110

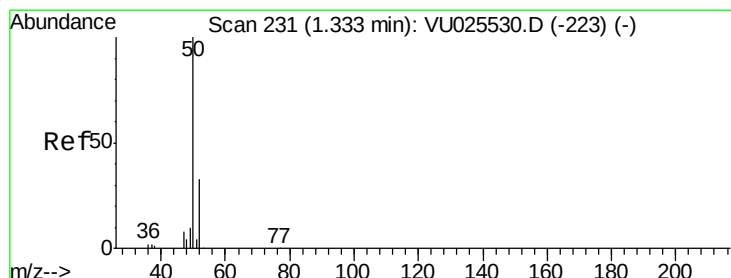
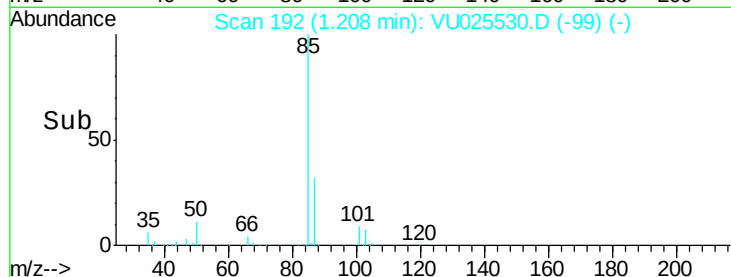
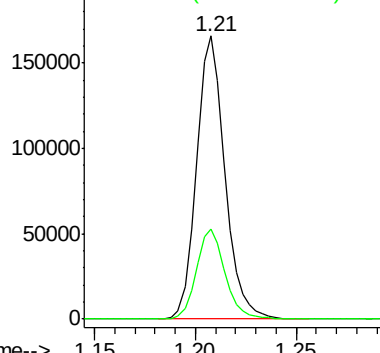
Ion Ratio Lower Upper

85 100

87 32.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU0
Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 46.653 ug/L

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025530.D

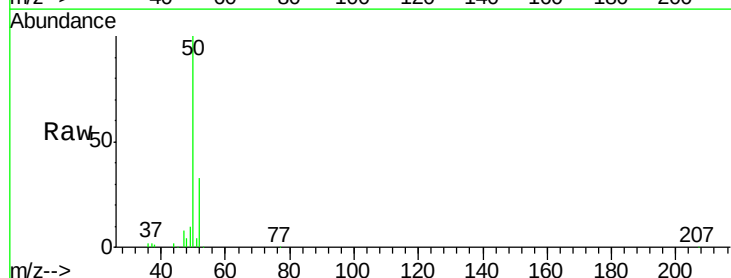
Acq: 20 Jul 2018 10:05

Tgt Ion: 50 Resp: 116412

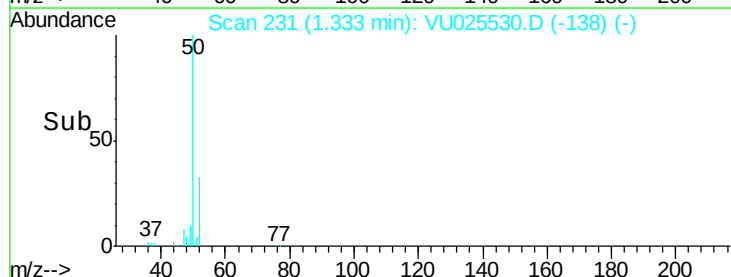
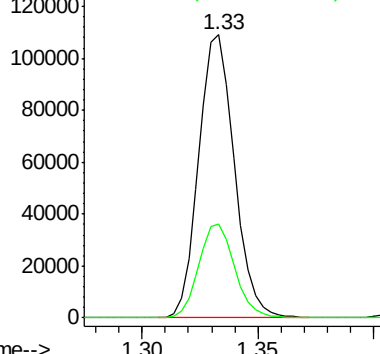
Ion Ratio Lower Upper

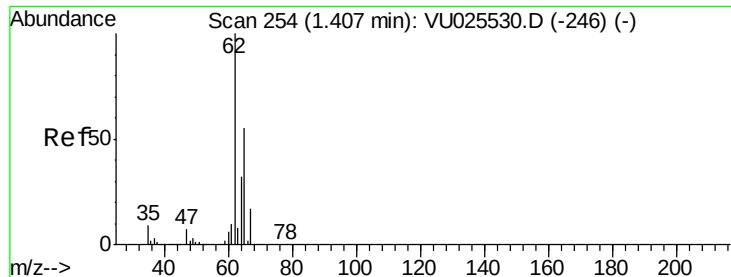
50 100

52 33.2 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU0
Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 51.072 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025530.D

Acq: 20 Jul 2018 10:05

Instrument :

MSVOA_U

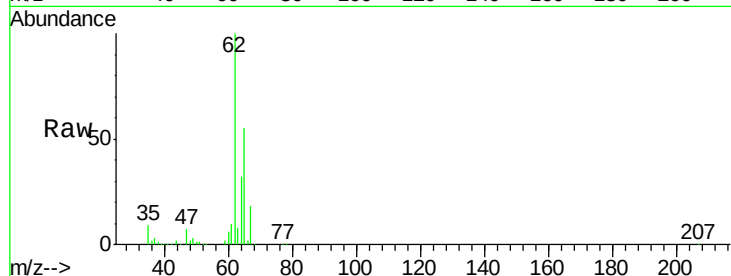
ClientSampled :

Tot Ion: 62 Resp: 130337

Ion Ratio Lower Upper

62 100

64 32.4 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

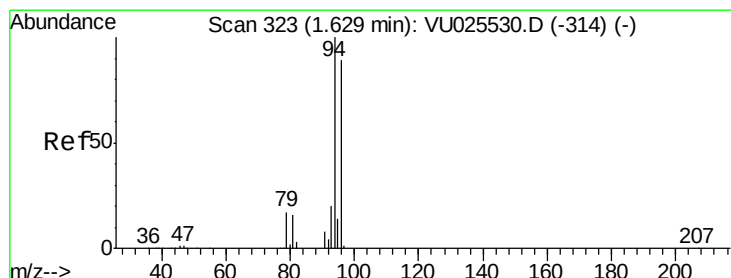
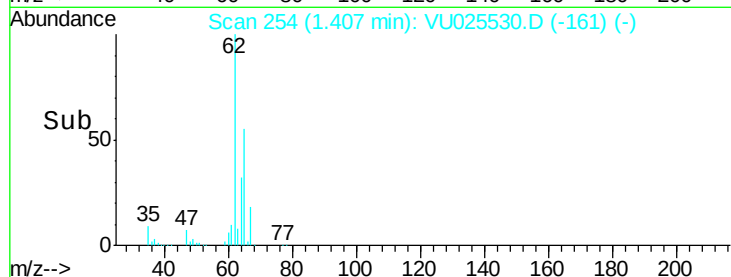
150000

100000

50000

0

Time--> 1.35 1.40 1.45



#6

Bromomethane

Concen: 35.540 ug/L

RT: 1.63 min Scan# 323

Delta R.T. 0.00 min

Lab File: VU025530.D

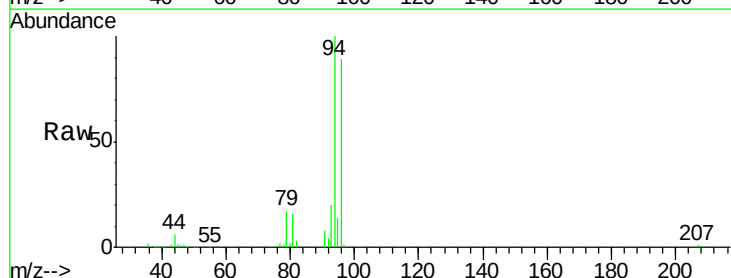
Acq: 20 Jul 2018 10:05

Tgt Ion: 94 Resp: 45632

Ion Ratio Lower Upper

94 100

96 89.1 62.4 115.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

40000

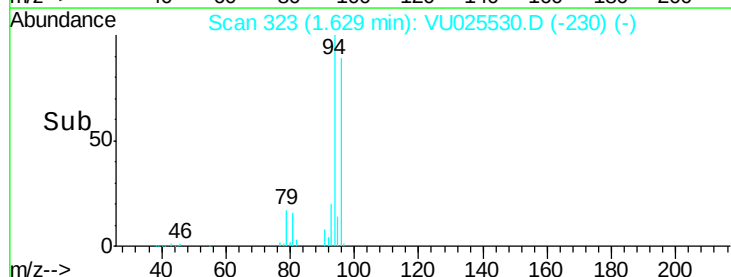
30000

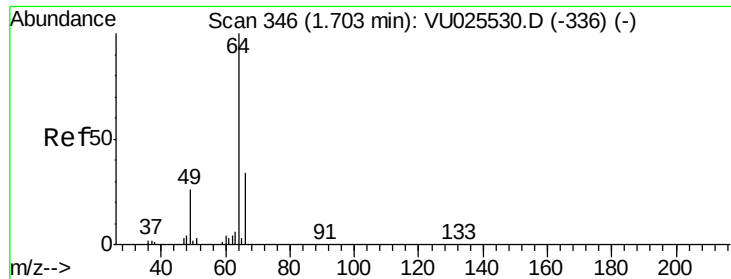
20000

10000

0

Time--> 1.55 1.60 1.65 1.70

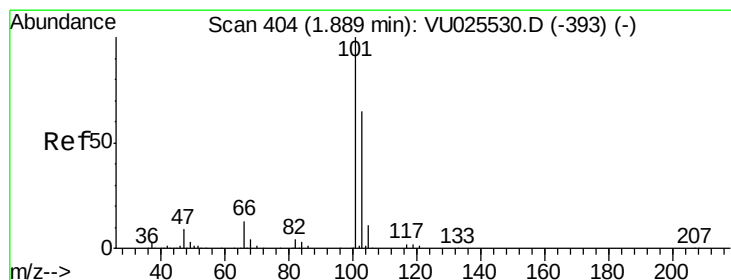
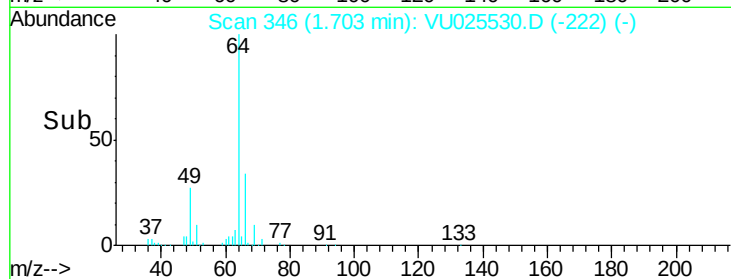
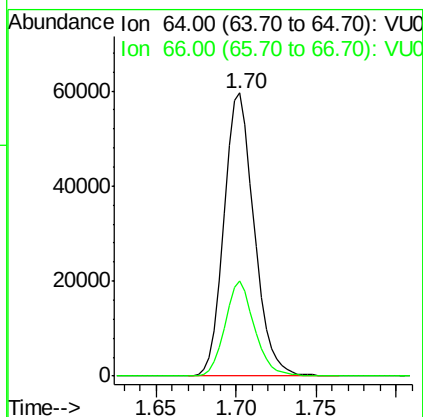
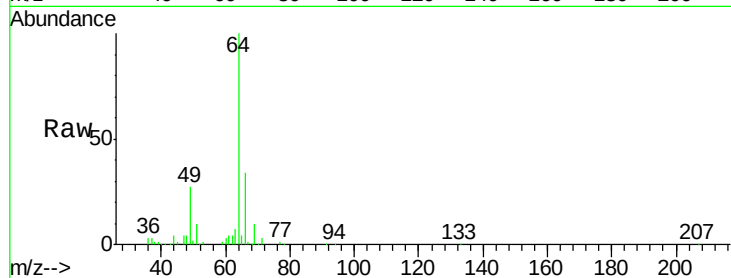




#8
Chloroethane
Concen: 50.316 ug/L
RT: 1.70 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU025530.D
Acq: 20 Jul 2018 10:05

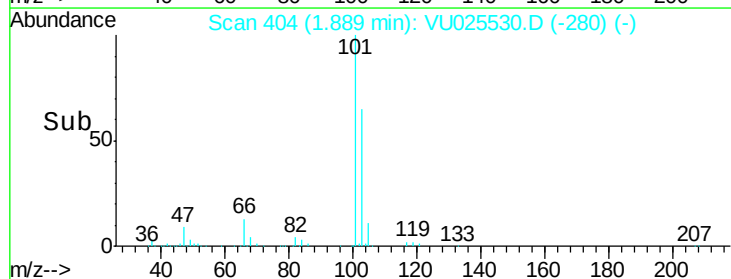
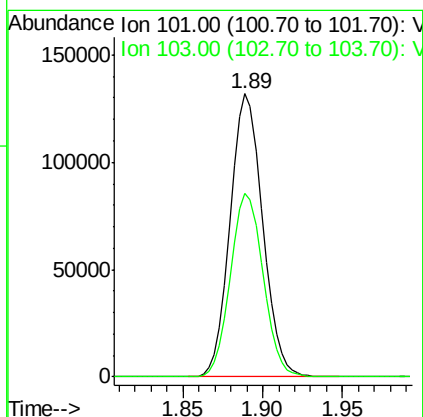
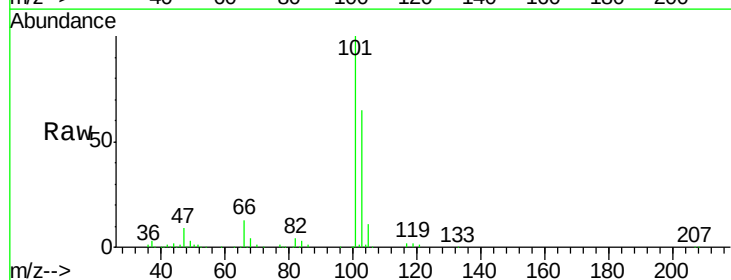
Instrument :
MSVOA_U
ClientSampleId :

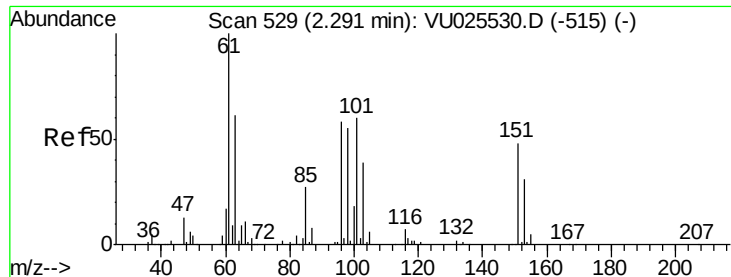
Tot Ion: 64 Resp: 76986
Ion Ratio Lower Upper
64 100
66 33.6 23.5 43.7



#9
Trichlorofluoromethane
Concen: 48.898 ug/L
RT: 1.89 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU025530.D
Acq: 20 Jul 2018 10:05

Tgt Ion: 101 Resp: 182727
Ion Ratio Lower Upper
101 100
103 65.0 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 51.563 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU025530.D

Acq: 20 Jul 2018 10:05

Instrument :

MSVOA_U

ClientSampleId :

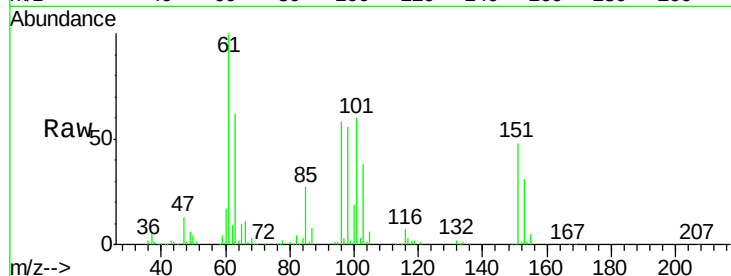
Tot Ion:101 Resp: 107626

Ion Ratio Lower Upper

101 100

85 44.4 35.5 53.3

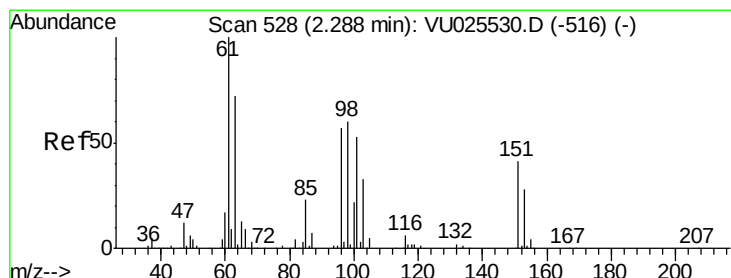
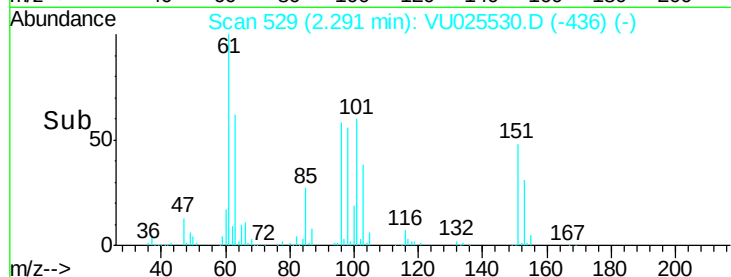
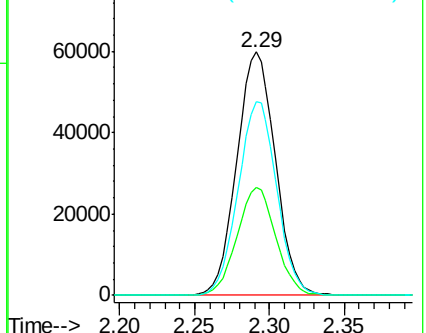
151 79.4 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.392 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025530.D

Acq: 20 Jul 2018 10:05

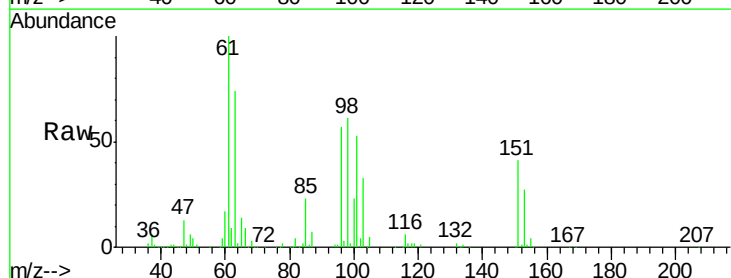
Tgt Ion: 96 Resp: 95155

Ion Ratio Lower Upper

96 100

61 175.0 122.5 227.5

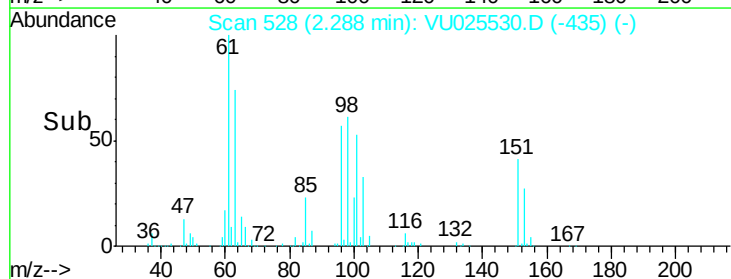
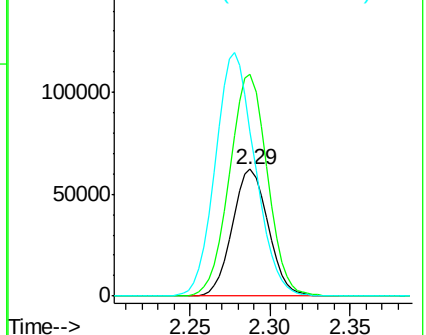
63 129.9 90.9 168.9

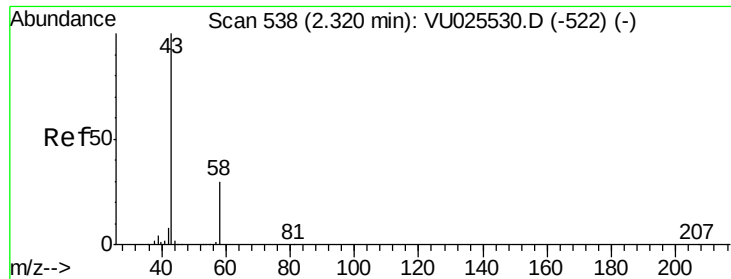


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 107.406 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025530.D

Acq: 20 Jul 2018 10:05

Instrument :

MSVOA_U

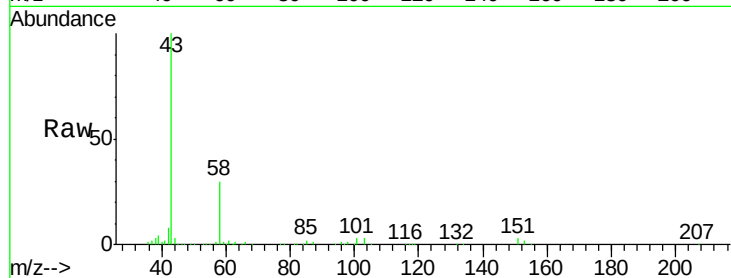
ClientSampleId :

Tot Ion: 43 Resp: 170118

Ion Ratio Lower Upper

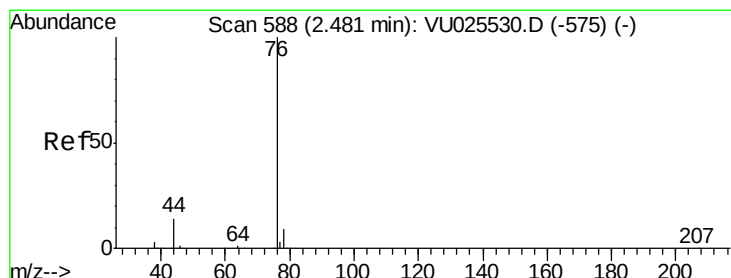
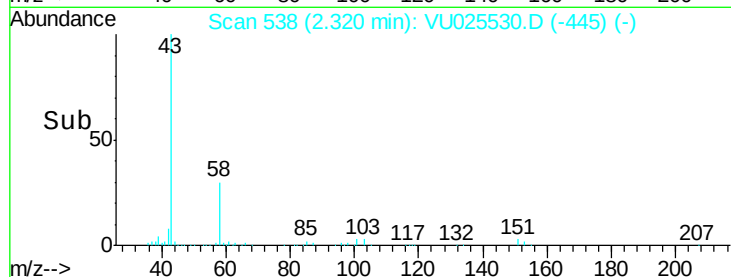
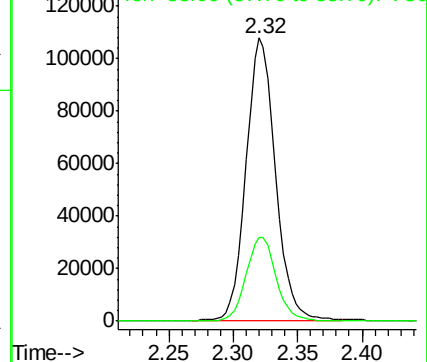
43 100

58 30.6 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 49.972 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025530.D

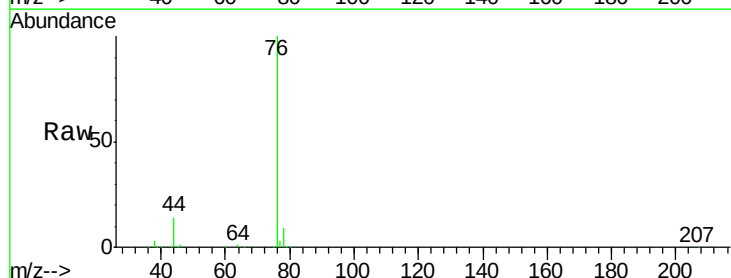
Acq: 20 Jul 2018 10:05

Tgt Ion: 76 Resp: 305640

Ion Ratio Lower Upper

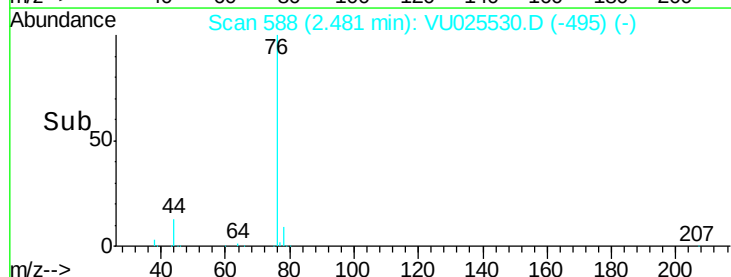
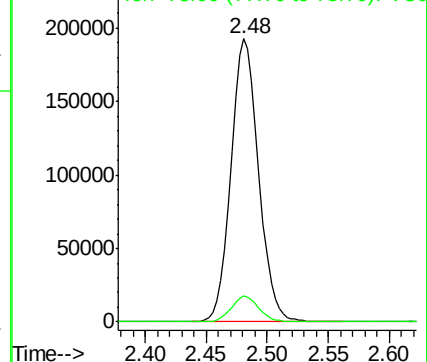
76 100

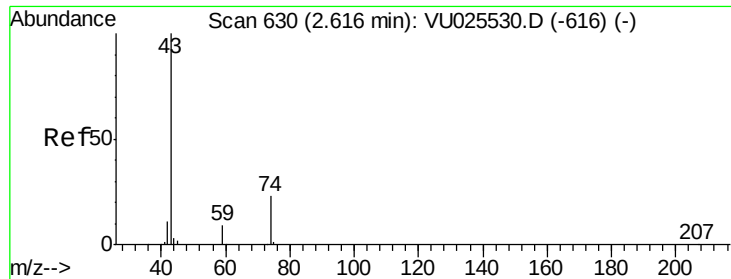
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

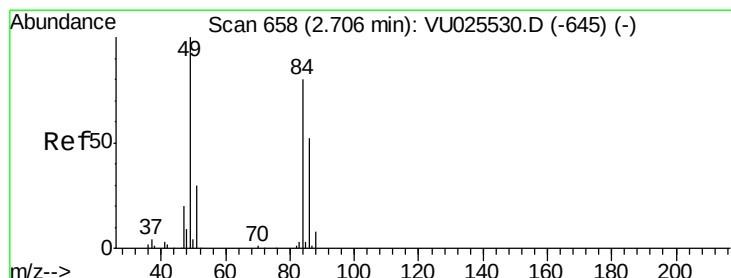
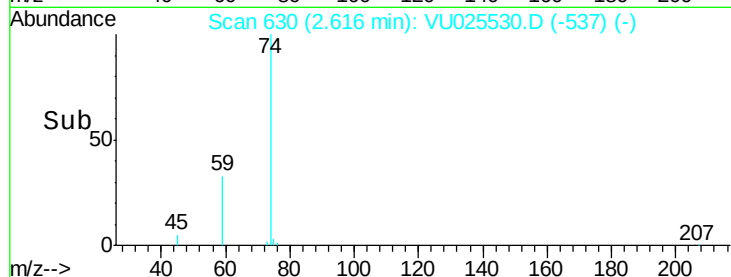
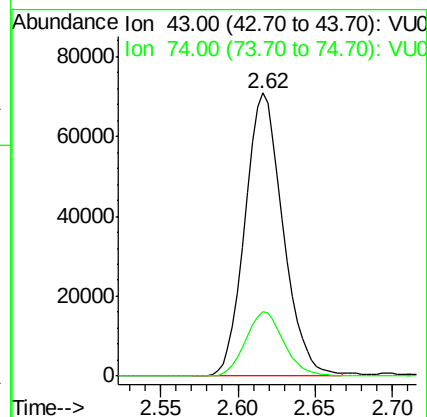
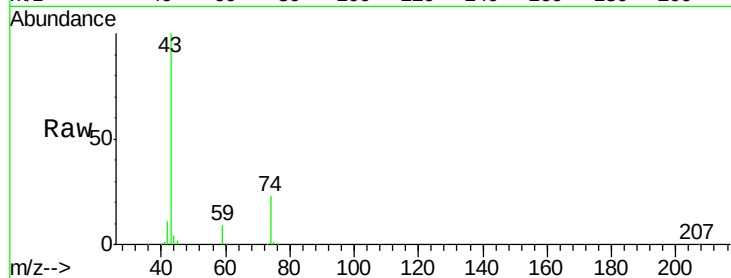




#15
Methvl Acetate
Concen: 44.572 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025530.D
Acq: 20 Jul 2018 10:05

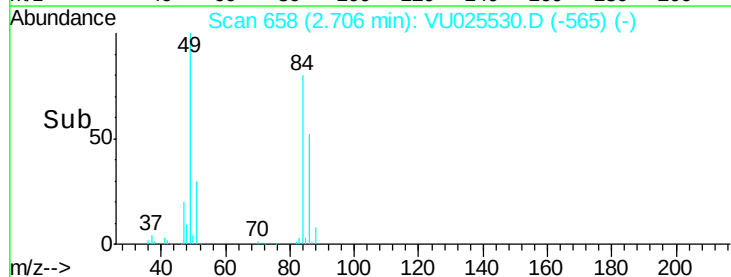
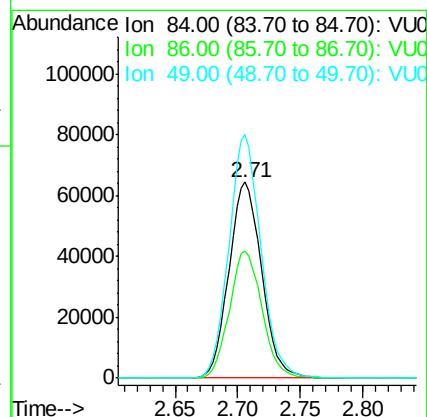
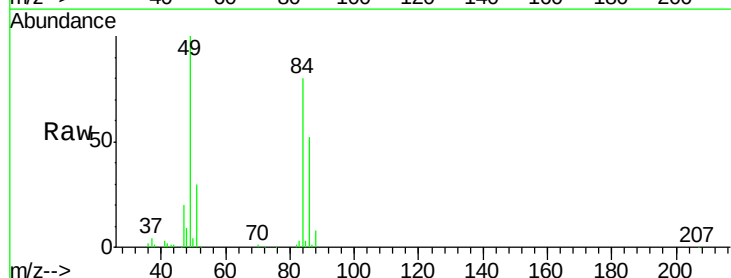
Instrument :
MSVOA_U
ClientSampled :

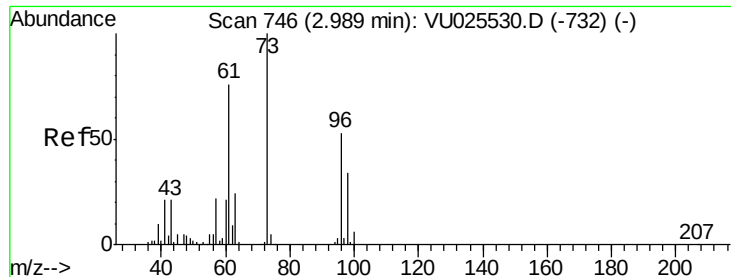
Tot Ion: 43 Resp: 121418
Ion Ratio Lower Upper
43 100
74 22.9 18.3 27.5



#16
Methylene chloride
Concen: 48.065 ug/L
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025530.D
Acq: 20 Jul 2018 10:05

Tgt Ion: 84 Resp: 116960
Ion Ratio Lower Upper
84 100
86 65.1 45.6 84.6
49 124.3 87.0 161.6





#17

trans-1,2-Dichloroethene

Concen: 48.331 ug/L

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU025530.D

Acq: 20 Jul 2018 10:05

Instrument :
MSVOA_U
ClientSampleId :

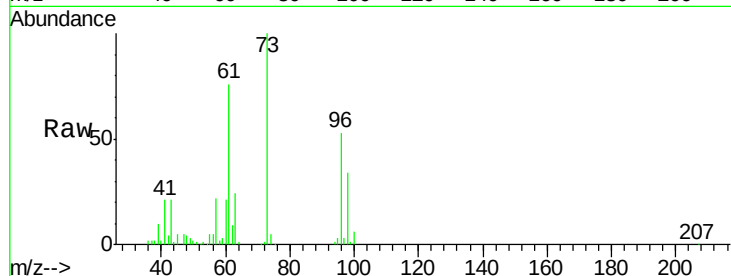
Tot Ion: 96 Resp: 106618

Ion Ratio Lower Upper

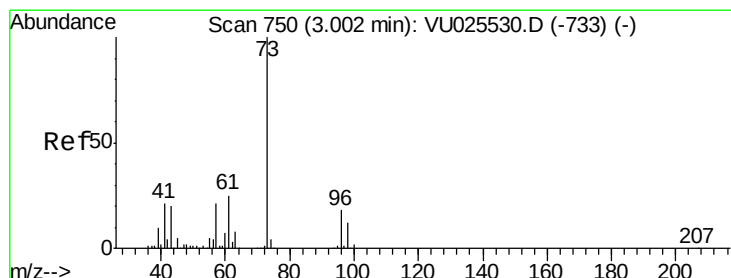
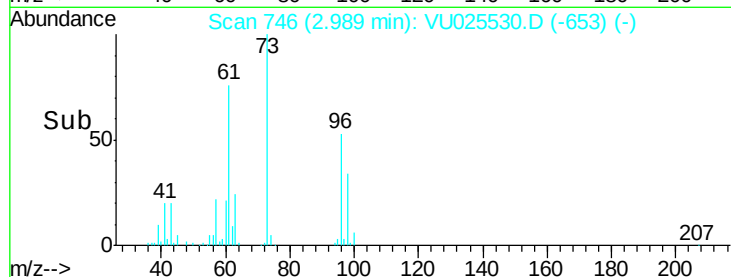
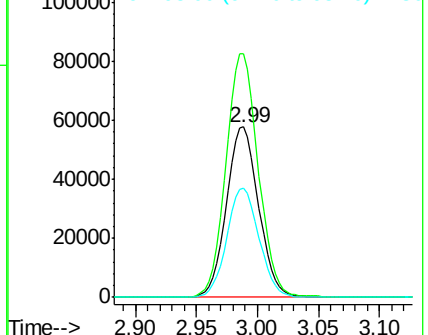
96 100

61 142.9 100.0 185.8

98 63.9 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 46.502 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU025530.D

Acq: 20 Jul 2018 10:05

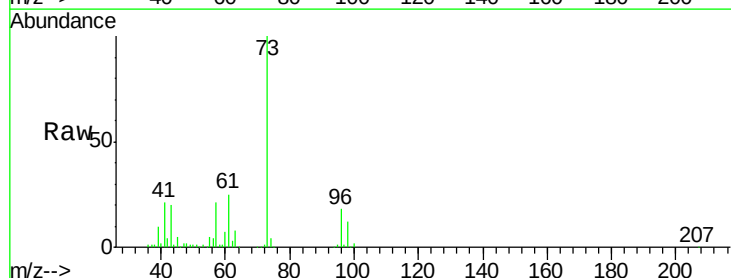
Tgt Ion: 73 Resp: 356995

Ion Ratio Lower Upper

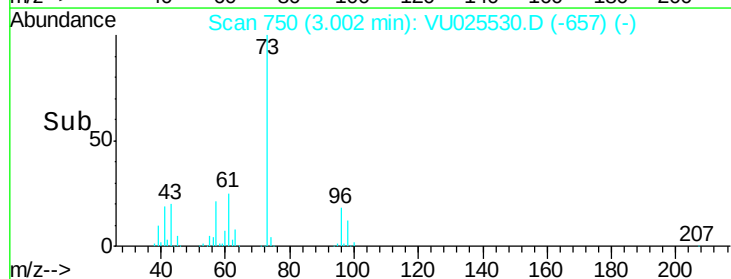
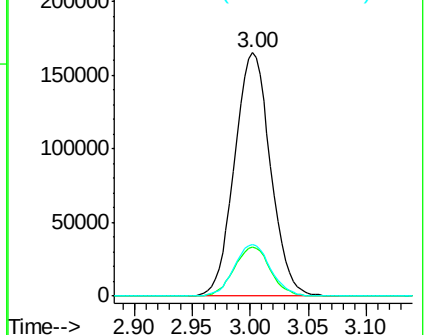
73 100

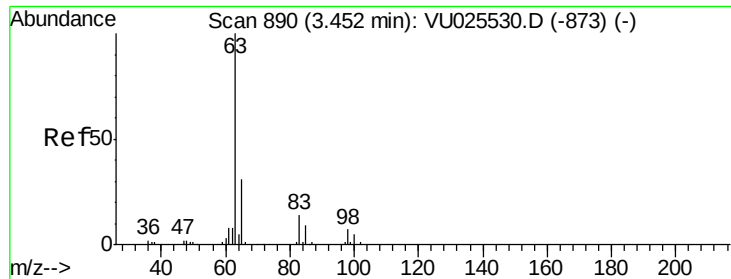
43 20.2 16.2 24.2

57 21.4 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

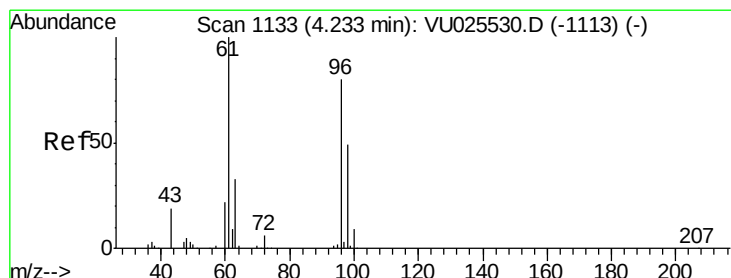
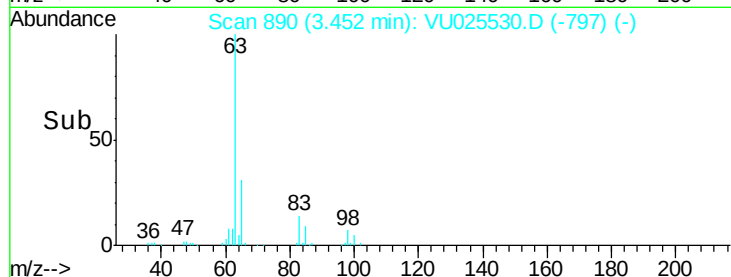
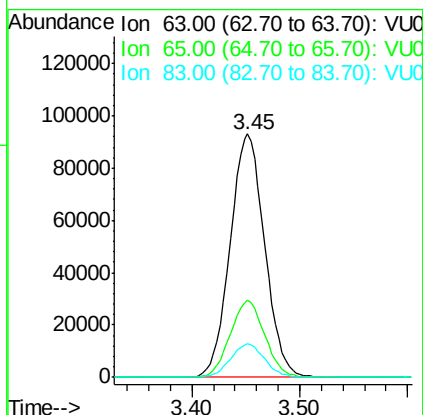
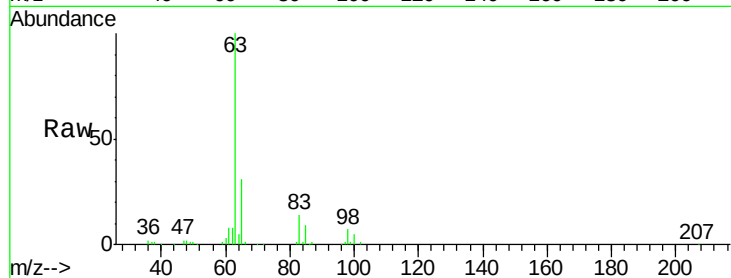




#19
 1,1-Dichloroethane
 Concen: 47.351 ug/L
 RT: 3.45 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VU025530.D
 Acq: 20 Jul 2018 10:05

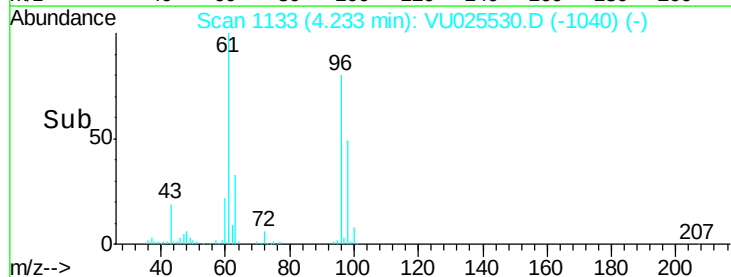
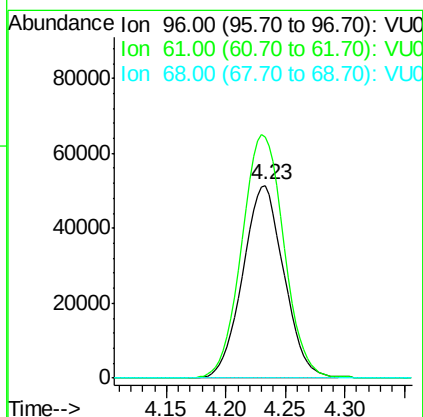
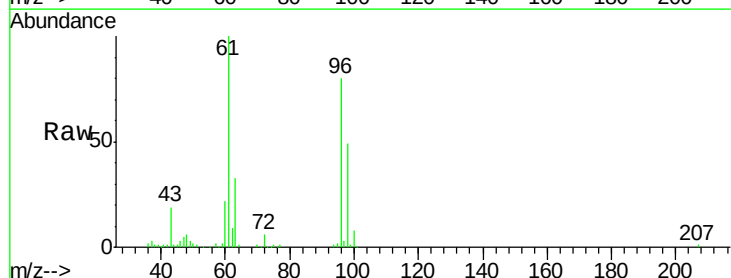
Instrument :
 MSVOA_U
 ClientSampled :

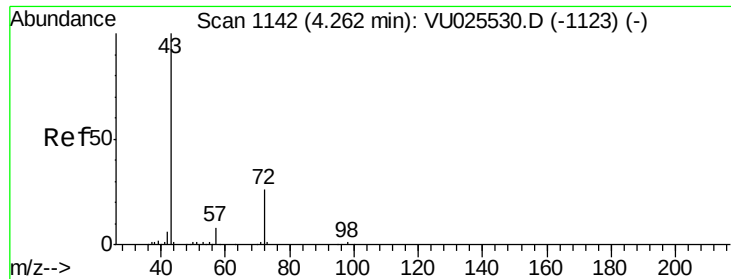
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.0	41.0
83	13.7	9.6	17.8



#20
 cis-1,2-Dichloroethene
 Concen: 46.089 ug/L
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU025530.D
 Acq: 20 Jul 2018 10:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	124.8	87.4	162.2
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 94.517 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025530.D

Acq: 20 Jul 2018 10:05

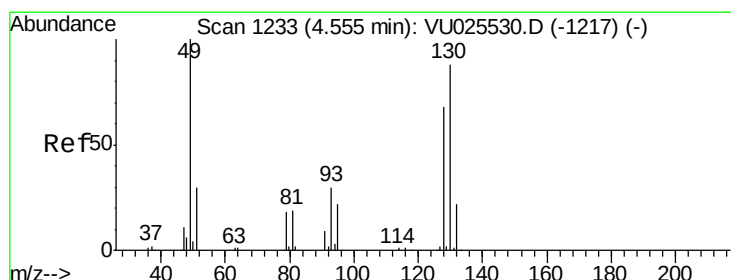
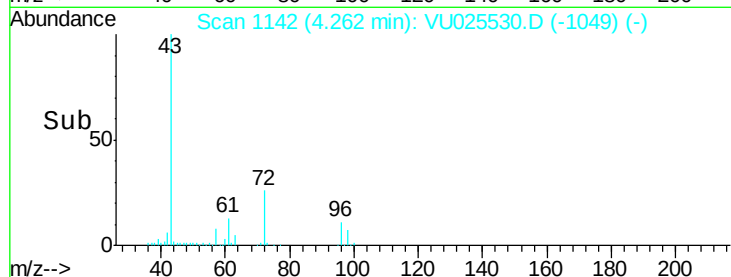
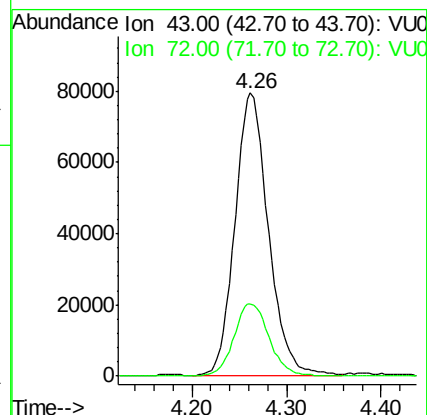
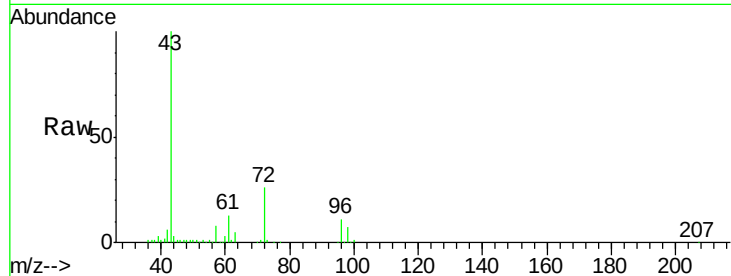
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 194372

Ion Ratio Lower Upper

43 100

72 27.2 13.6 40.8



#23

Bromochloromethane

Concen: 48.883 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU025530.D

Acq: 20 Jul 2018 10:05

Tgt Ion: 128 Resp: 65691

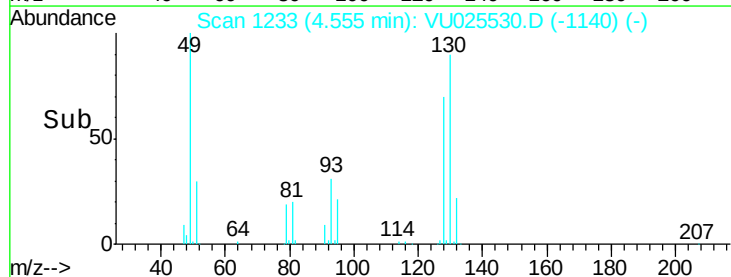
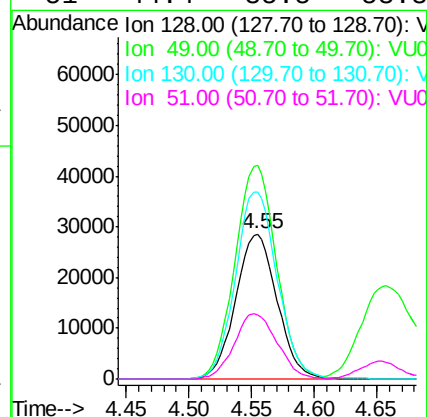
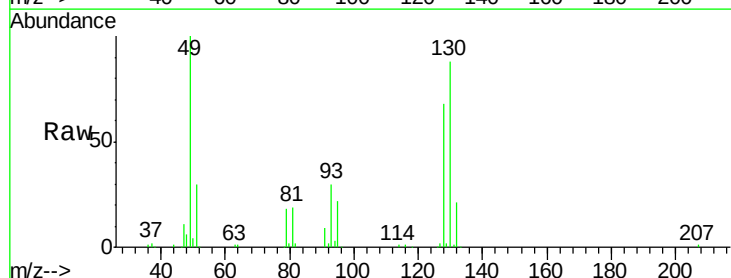
Ion Ratio Lower Upper

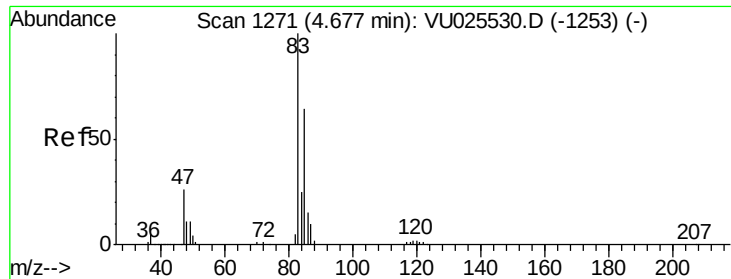
128 100

49 147.5 103.3 191.8

130 129.1 90.4 167.8

51 44.4 35.5 53.3

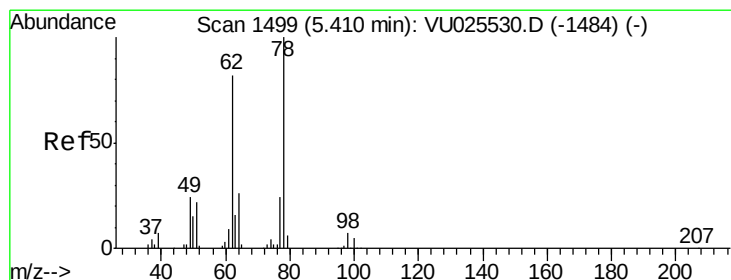
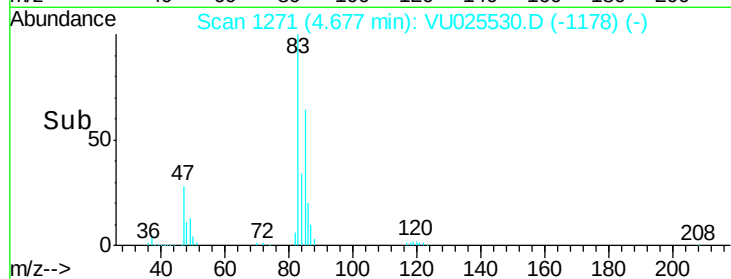
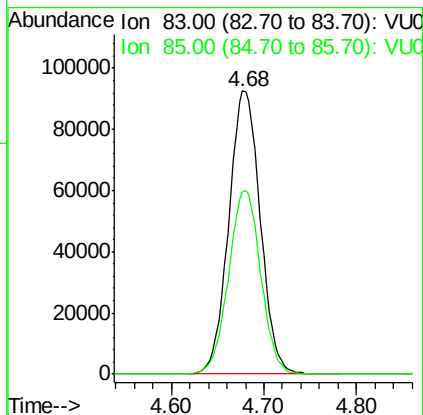
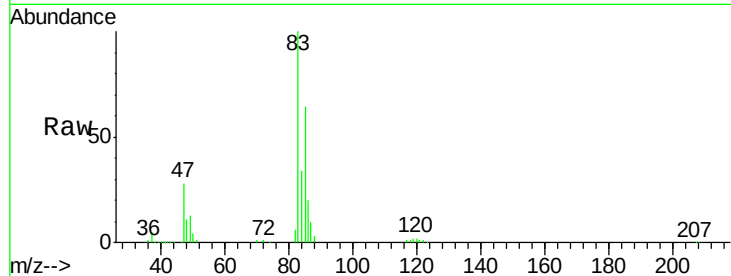




#25
Chloroform
Concen: 47.475 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025530.D
Acq: 20 Jul 2018 10:05

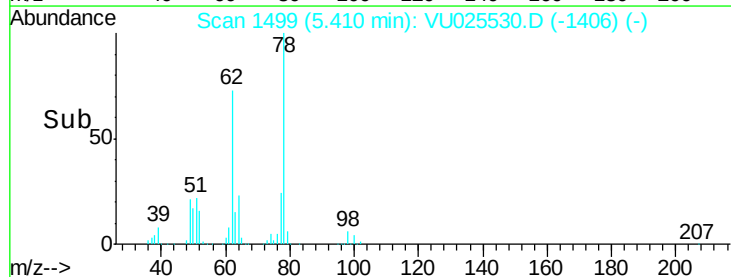
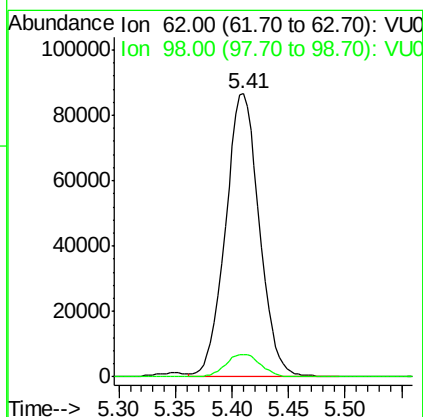
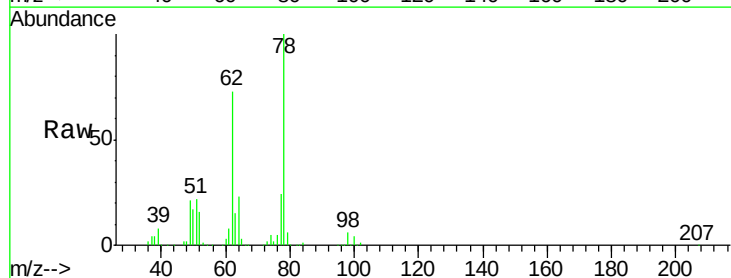
Instrument :
MSVOA_U
ClientSampleId :

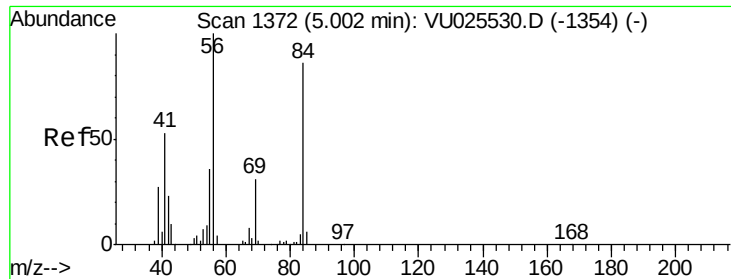
Tot Ion: 83 Resp: 217942
Ion Ratio Lower Upper
83 100
85 64.3 45.0 83.6



#27
1,2-Dichloroethane
Concen: 47.350 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025530.D
Acq: 20 Jul 2018 10:05

Tgt Ion: 62 Resp: 180493
Ion Ratio Lower Upper
62 100
98 8.1 6.5 9.7

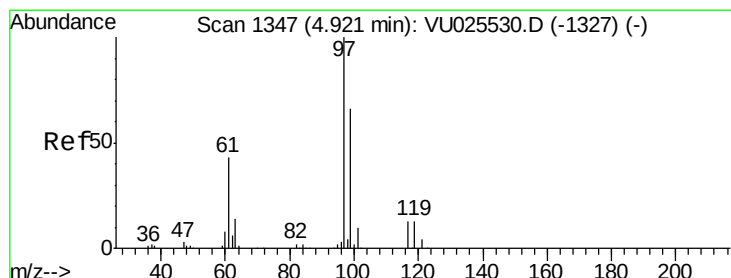
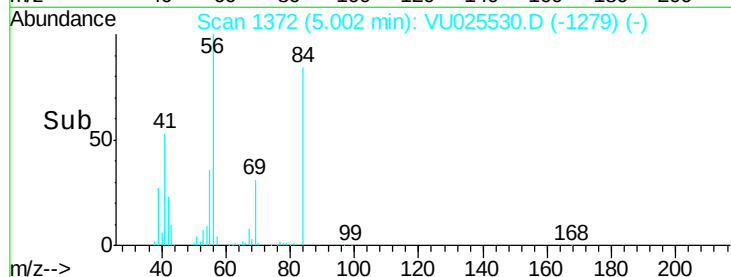
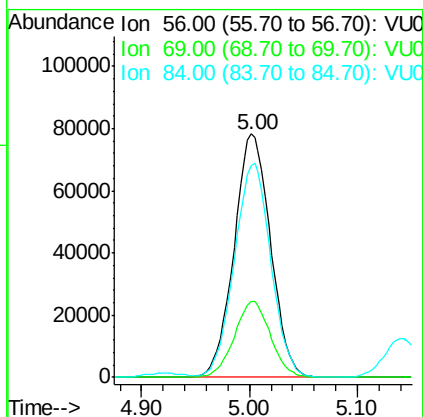
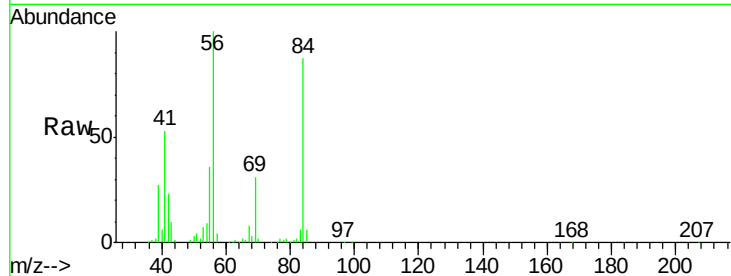




#29
Cyclohexane
Concen: 49.378 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025530.D
Acq: 20 Jul 2018 10:05

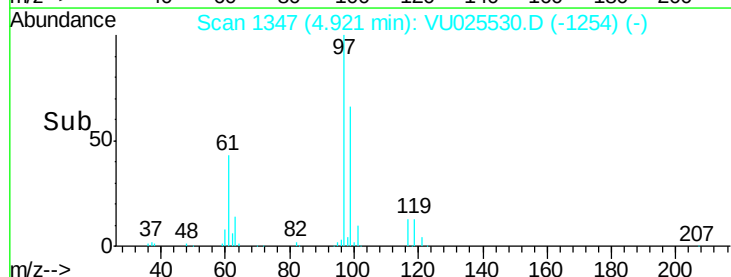
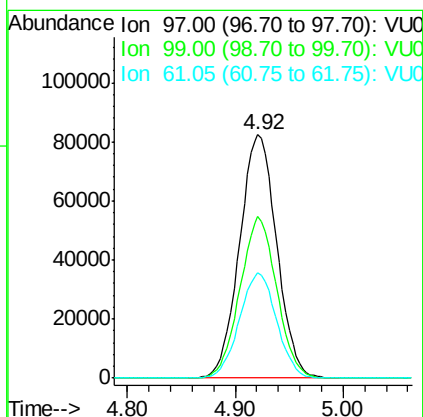
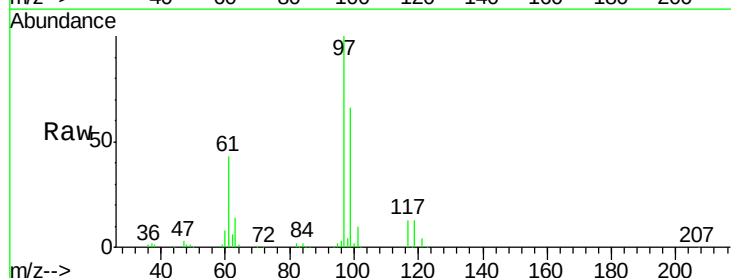
Instrument :
MSVOA_U
ClientSampled :

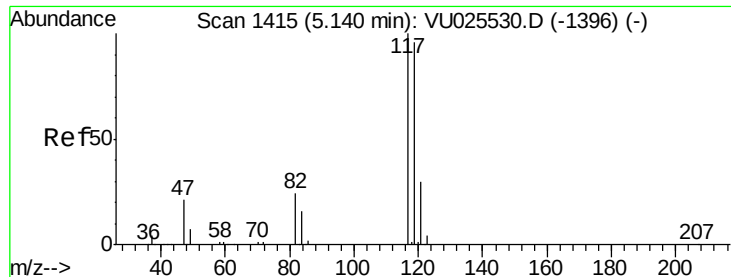
Tot Ion: 56 Resp: 184312
Ion Ratio Lower Upper
56 100
69 31.0 24.8 37.2
84 88.3 70.6 106.0



#30
1,1,1-Trichloroethane
Concen: 46.687 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025530.D
Acq: 20 Jul 2018 10:05

Tgt Ion: 97 Resp: 197433
Ion Ratio Lower Upper
97 100
99 65.5 52.4 78.6
61 43.3 34.6 52.0





#31

Carbon tetrachloride

Concen: 48.370 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025530.D

Acq: 20 Jul 2018 10:05

Instrument :

MSVOA_U

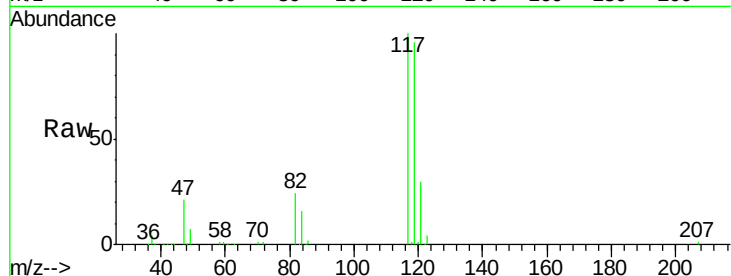
ClientSampleId :

Tot Ion:117 Resp: 180566

Ion Ratio Lower Upper

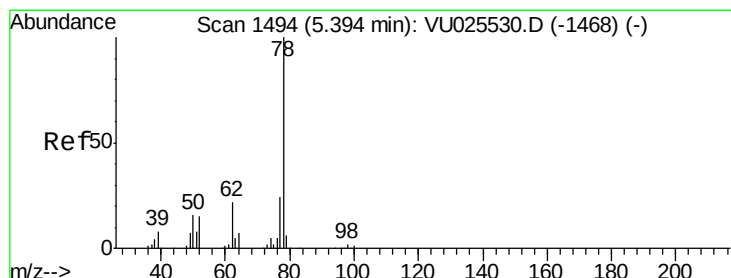
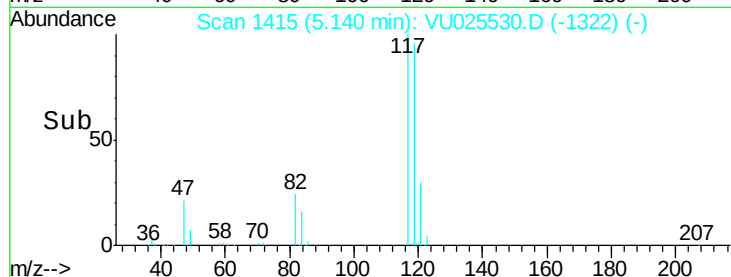
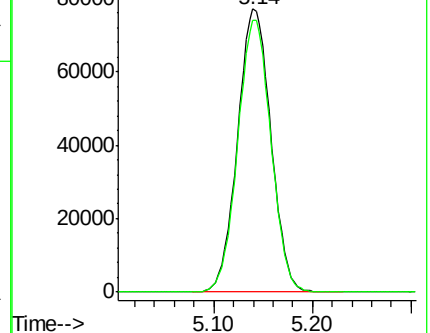
117 100

119 95.7 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.105 ug/L

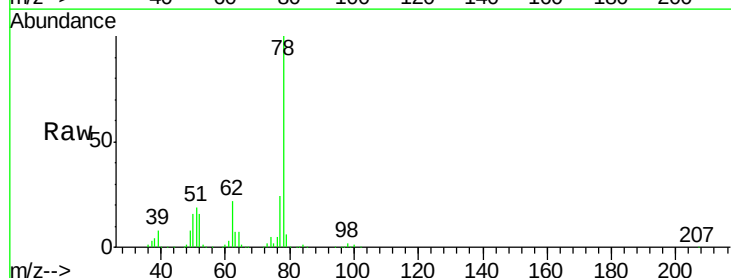
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

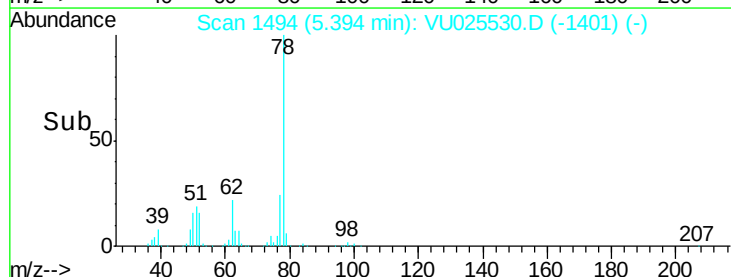
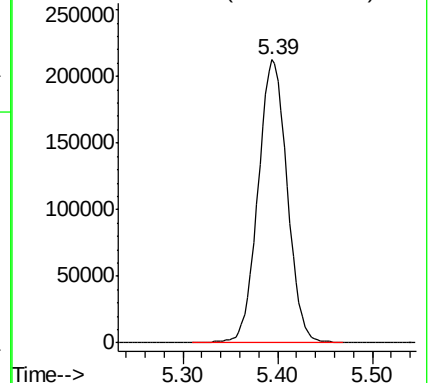
Lab File: VU025530.D

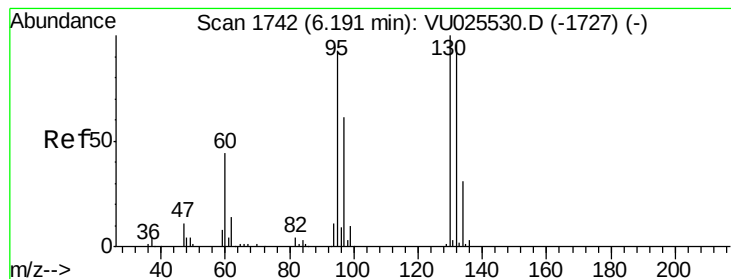
Acq: 20 Jul 2018 10:05

Tgt Ion: 78 Resp: 455093



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 47.391 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025530.D

Acq: 20 Jul 2018 10:05

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 118802

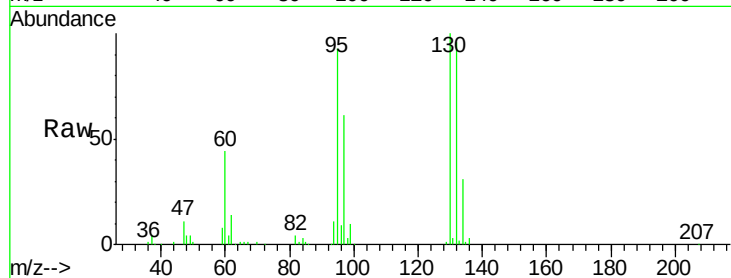
Ion Ratio Lower Upper

95 100

97 65.6 45.9 85.3

132 103.2 72.2 134.2

130 107.0 74.9 139.1

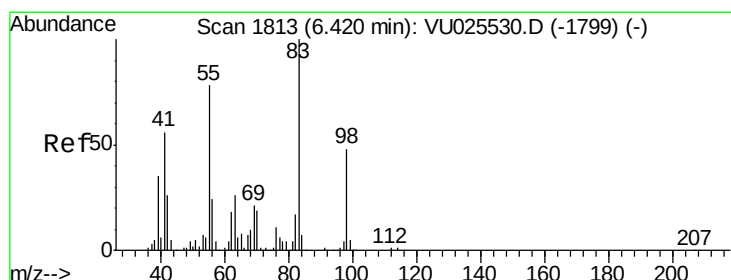
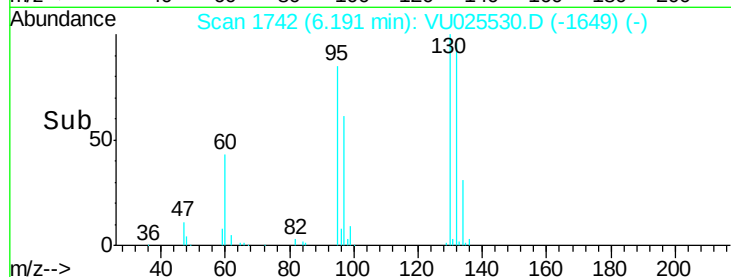
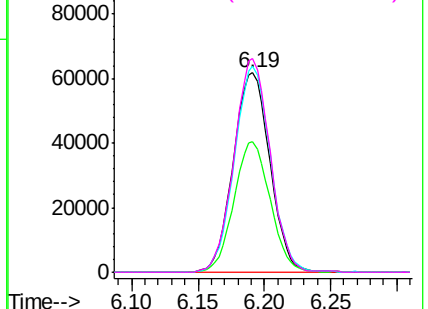


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 49.444 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU025530.D

Acq: 20 Jul 2018 10:05

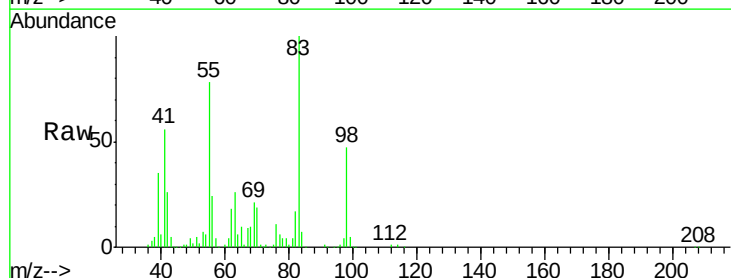
Tgt Ion: 83 Resp: 194061

Ion Ratio Lower Upper

83 100

55 76.4 61.1 91.7

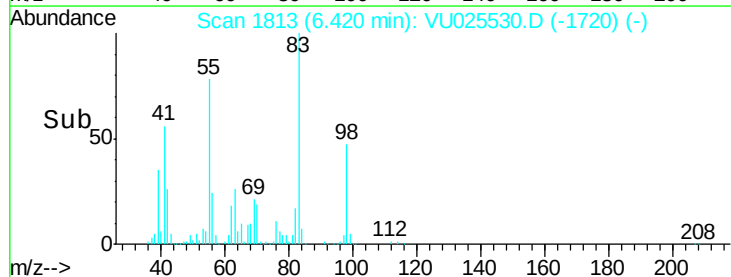
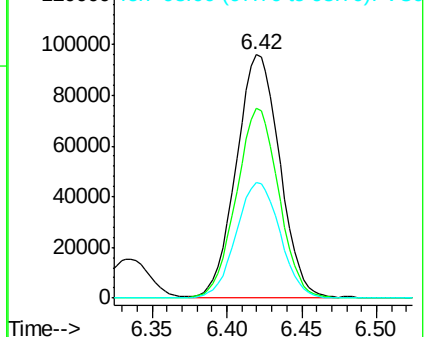
98 48.2 38.6 57.8

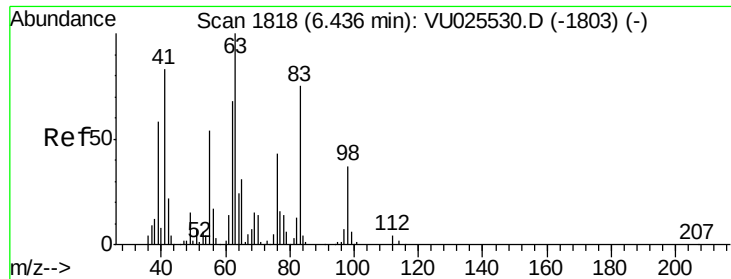


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

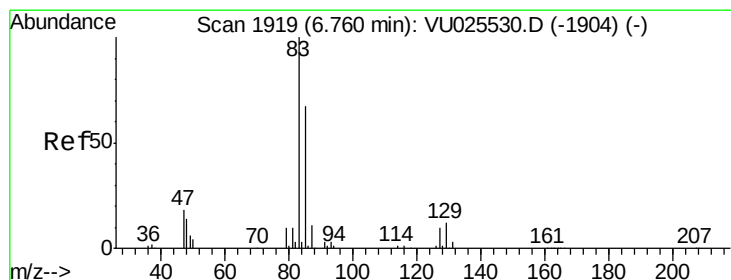
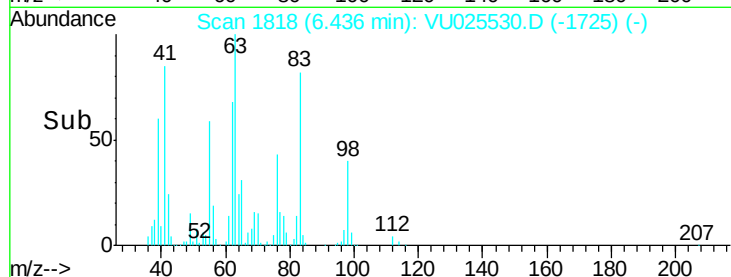
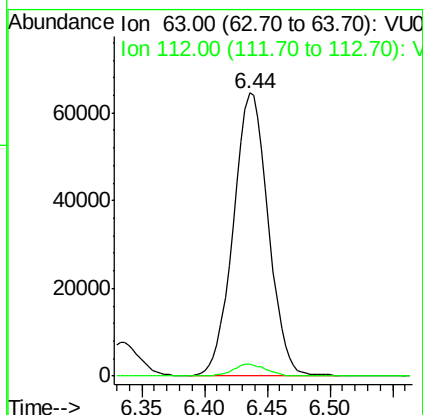
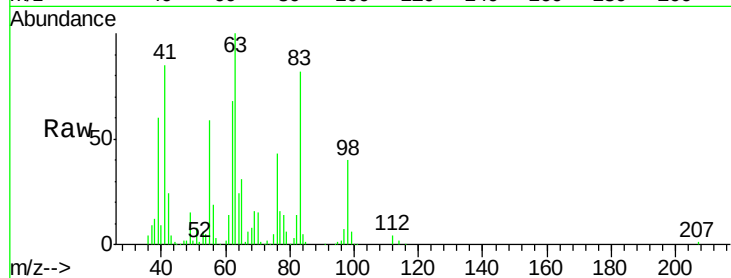




#37
 1,2-Dichloropropane
 Concen: 47.923 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025530.D
 Acq: 20 Jul 2018 10:05

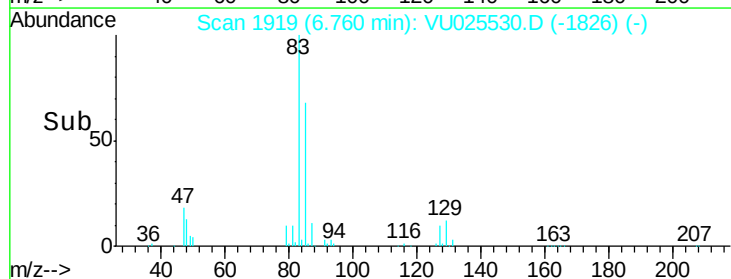
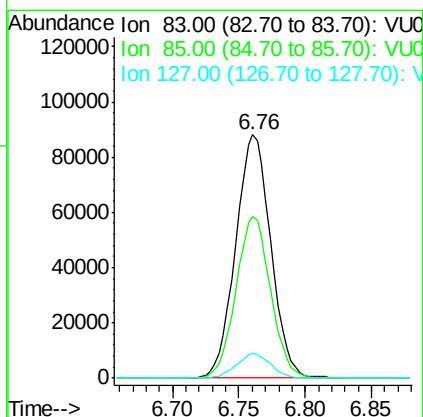
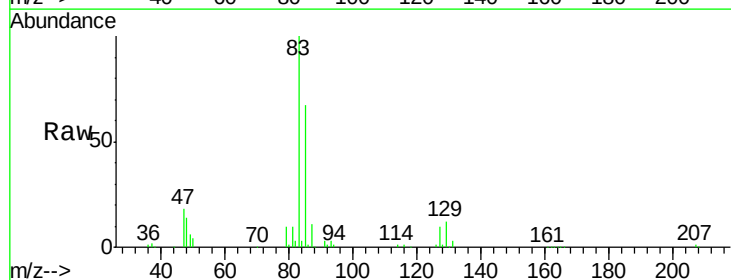
Instrument :
 MSVOA_U
 ClientSampleId :

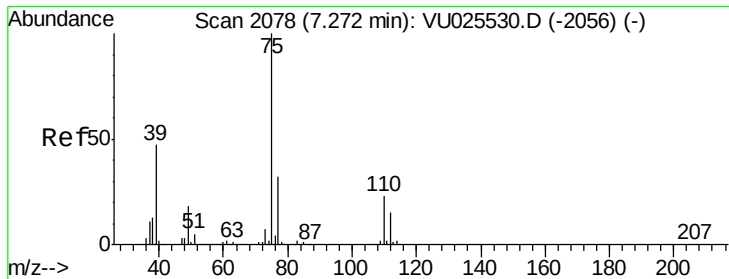
Tot Ion: 63 Resp: 124405
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.3 4.9



#38
 Bromodichloromethane
 Concen: 46.534 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025530.D
 Acq: 20 Jul 2018 10:05

Tgt Ion: 83 Resp: 162145
 Ion Ratio Lower Upper
 83 100
 85 66.7 46.7 86.7
 127 10.0 8.0 12.0

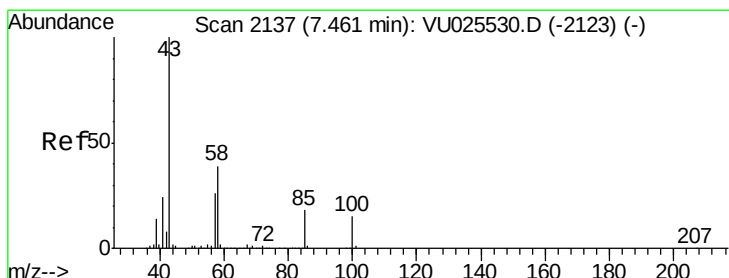
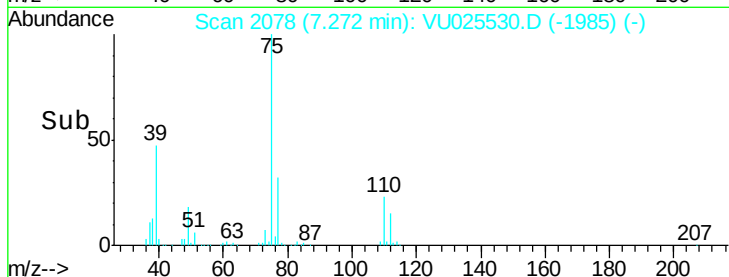
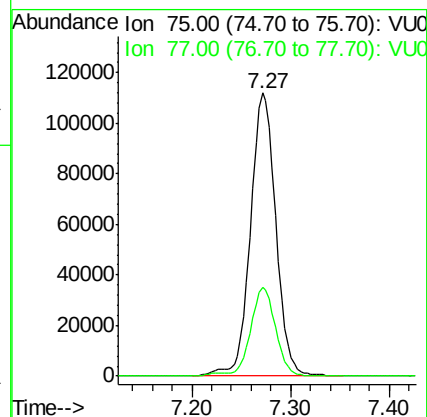
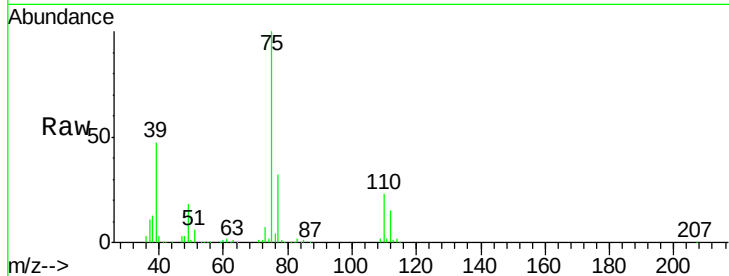




#39
 cis-1,3-Dichloropropene
 Concen: 49.438 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025530.D
 Acq: 20 Jul 2018 10:05

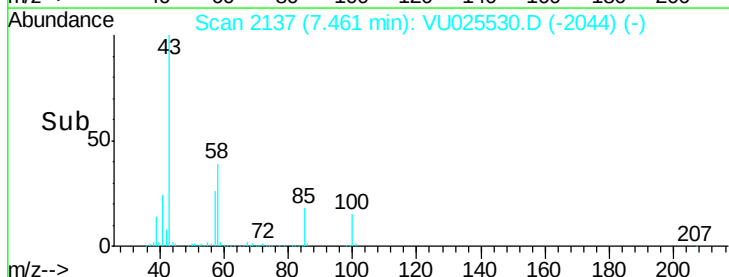
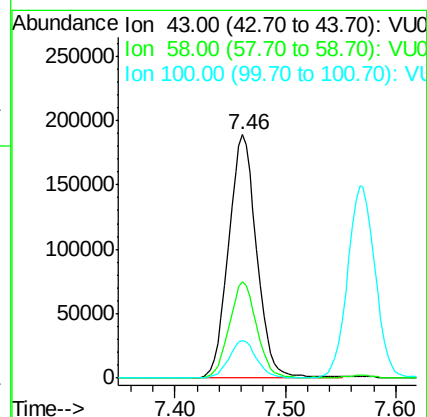
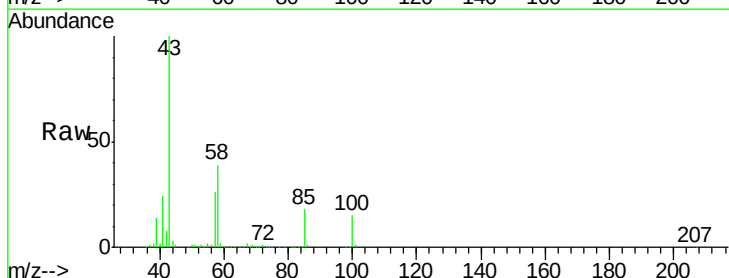
Instrument :
 MSVOA_U
 ClientSampleId :

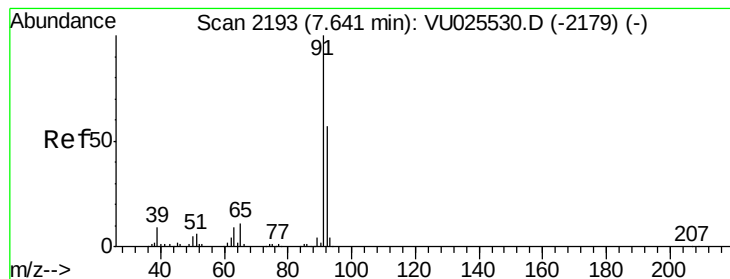
Tot Ion: 75 Resp: 199104
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 89.845 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU025530.D
 Acq: 20 Jul 2018 10:05

Tgt Ion: 43 Resp: 333960
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.8 46.2
 100 15.1 12.1 18.1





#42

Toluene

Concen: 48.927 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025530.D

Acq: 20 Jul 2018 10:05

Instrument :

MSVOA_U

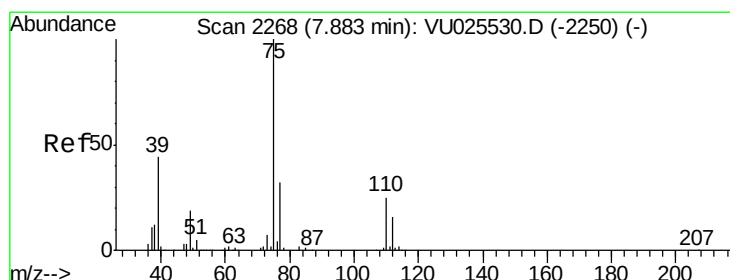
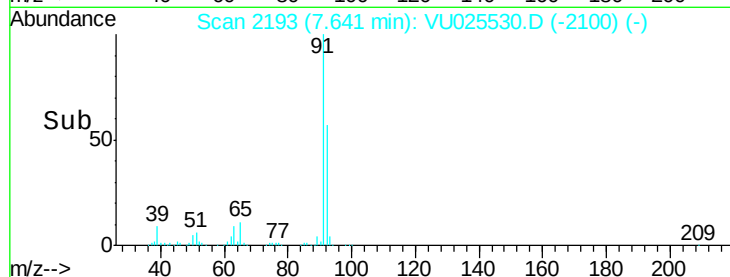
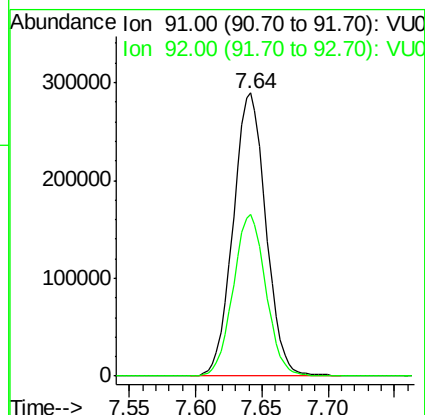
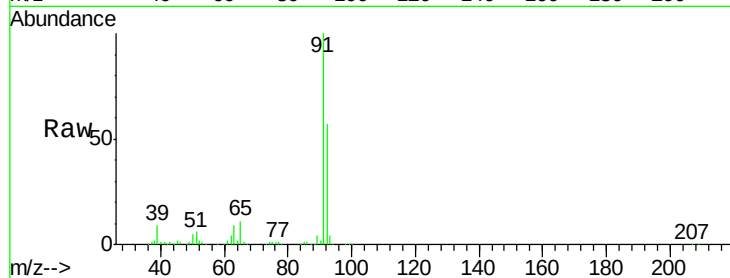
ClientSampleId :

Tot Ion: 91 Resp: 496192

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 47.399 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025530.D

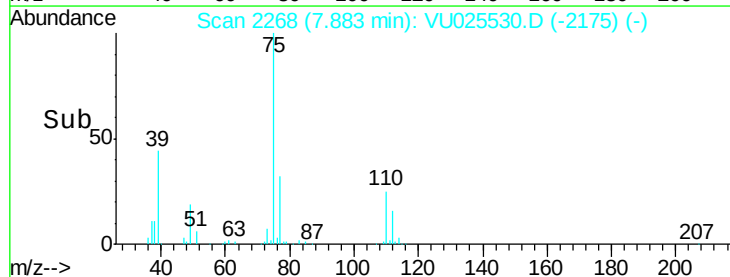
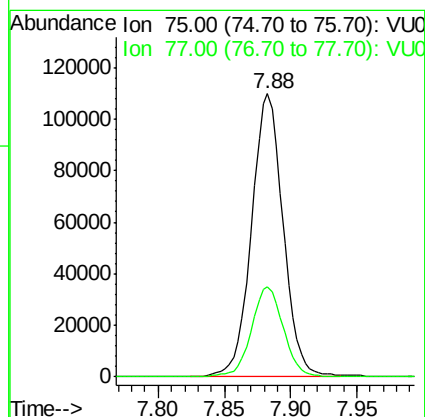
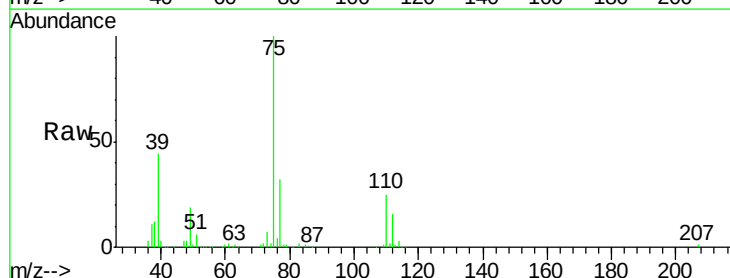
Acq: 20 Jul 2018 10:05

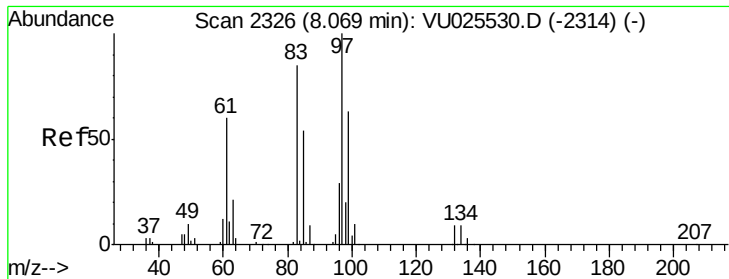
Tgt Ion: 75 Resp: 182738

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2

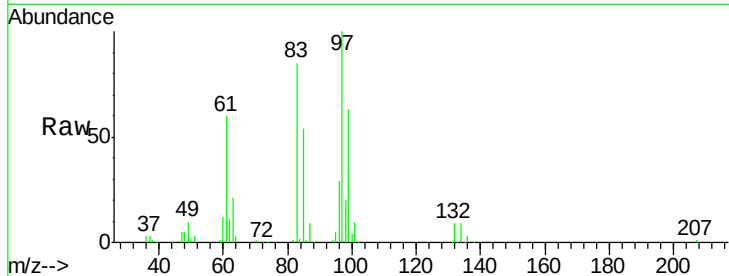




#45
 1,1,2-Trichloroethane
 Concen: 47.831 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025530.D
 Acq: 20 Jul 2018 10:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	117994
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.3	82.3
83	85.5	59.8	111.1
85	54.2	37.9	70.5



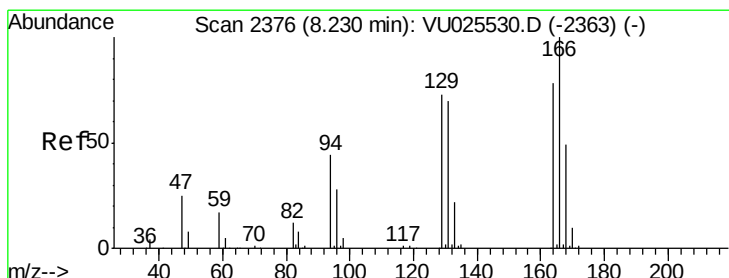
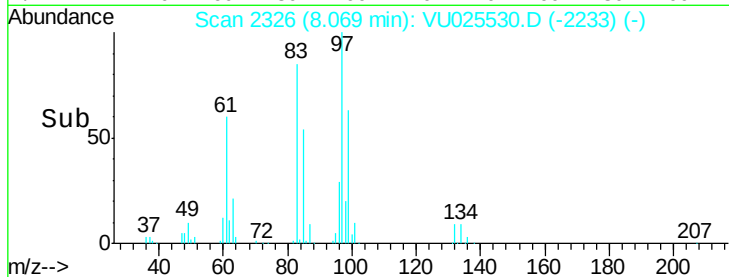
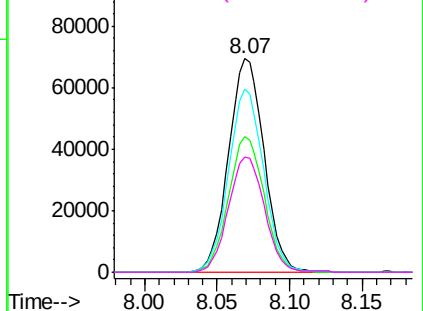
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

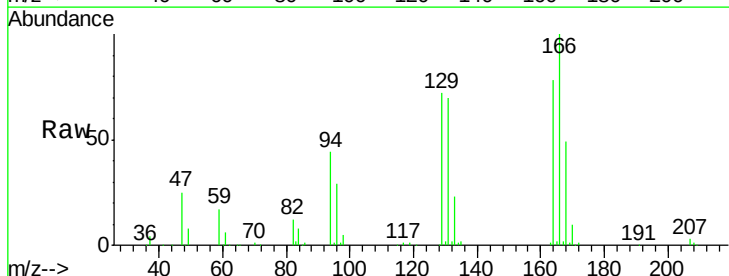
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 49.279 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU025530.D
 Acq: 20 Jul 2018 10:05

Tgt Ion:	164	Resp:	105444
Ion	Ratio	Lower	Upper
164	100		
129	93.0	65.1	120.9
131	89.7	62.8	116.6
166	128.2	89.7	166.7



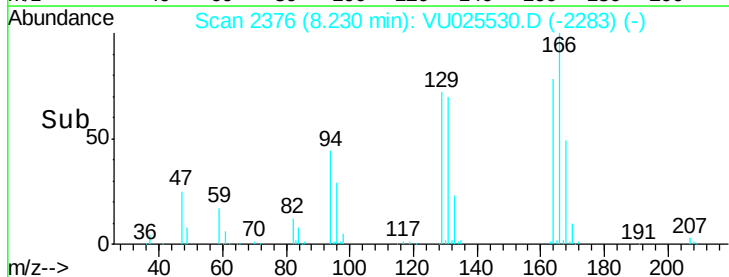
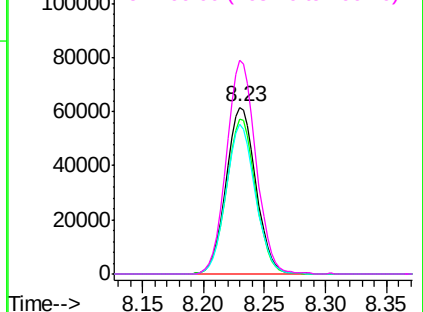
Abundance

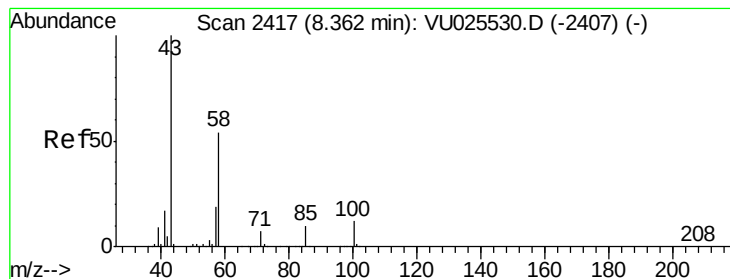
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 92.810 ug/L

RT: 8.36 min Scan# 2417

Delta R.T. 0.00 min

Lab File: VU025530.D

Acq: 20 Jul 2018 10:05

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 43 Resp: 277766

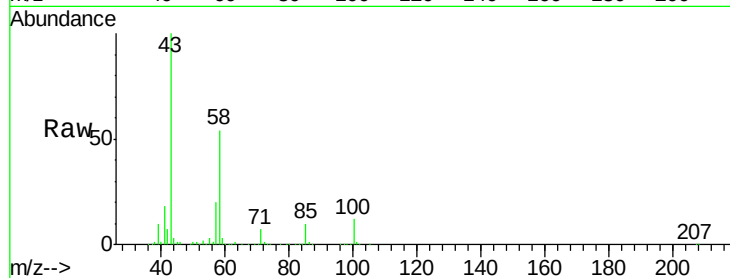
Ion Ratio Lower Upper

43 100

58 53.6 42.9 64.3

57 19.3 15.4 23.2

100 12.0 9.6 14.4

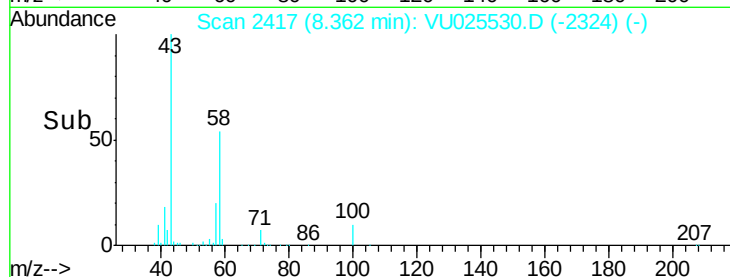


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

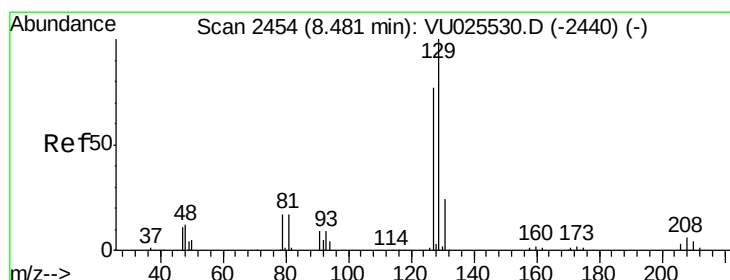
Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



Time-->

8.36



#49

Dibromochloromethane

Concen: 47.800 ug/L

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025530.D

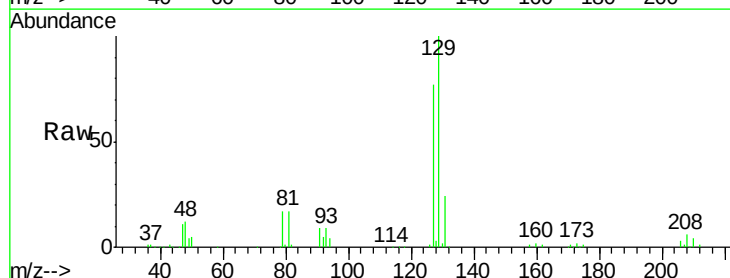
Acq: 20 Jul 2018 10:05

Tgt Ion: 129 Resp: 142319

Ion Ratio Lower Upper

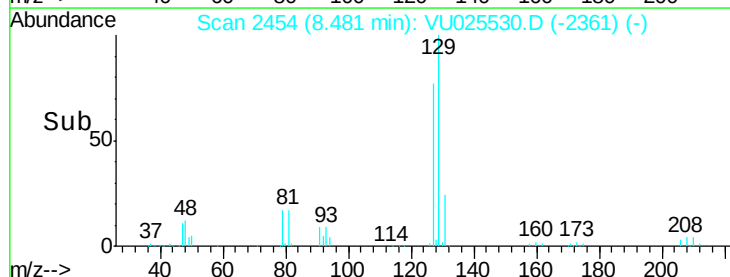
129 100

127 76.9 53.8 100.0



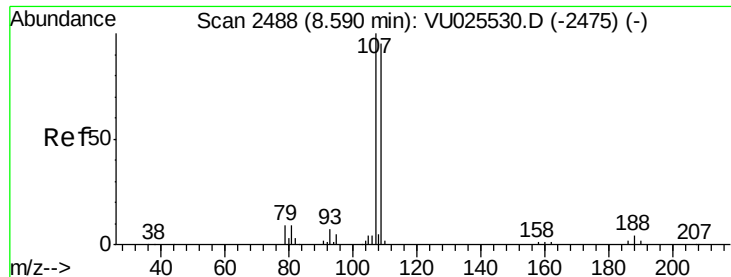
Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->

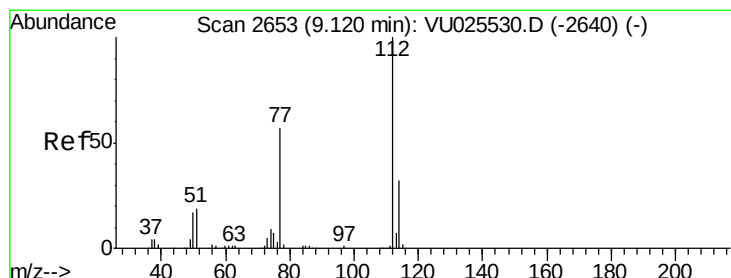
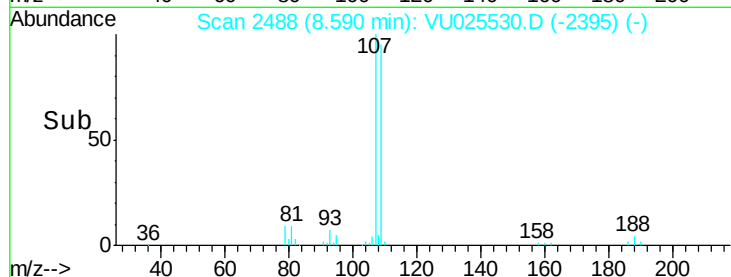
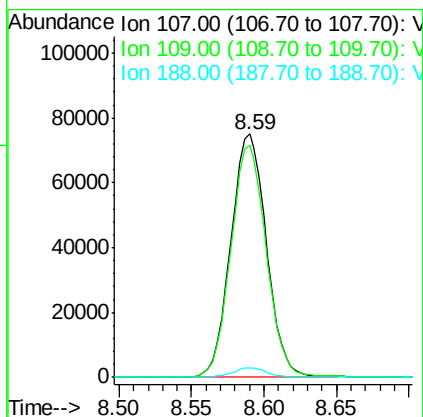
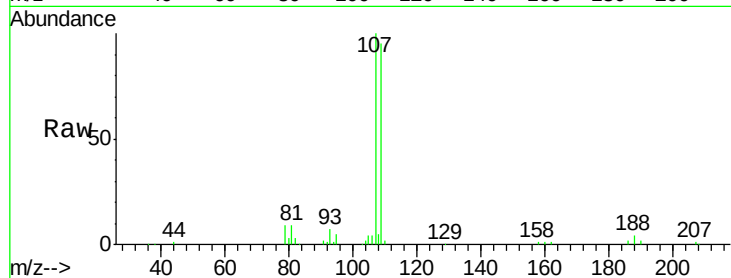
8.48



#50
 1,2-Dibromoethane
 Concen: 47.180 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025530.D
 Acq: 20 Jul 2018 10:05

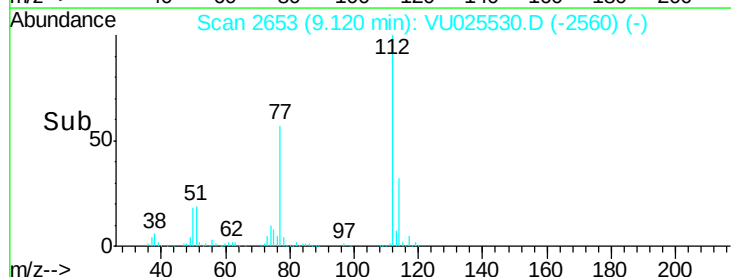
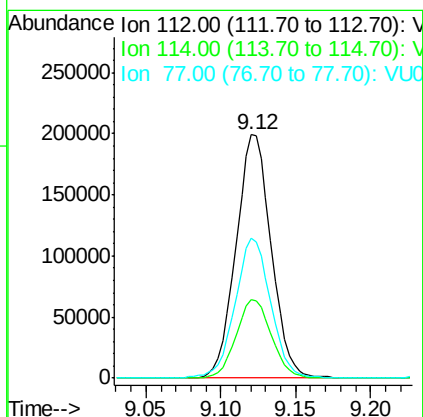
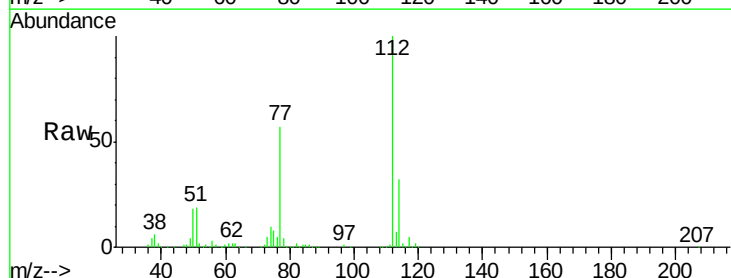
Instrument :
 MSVOA_U
 ClientSampleId :

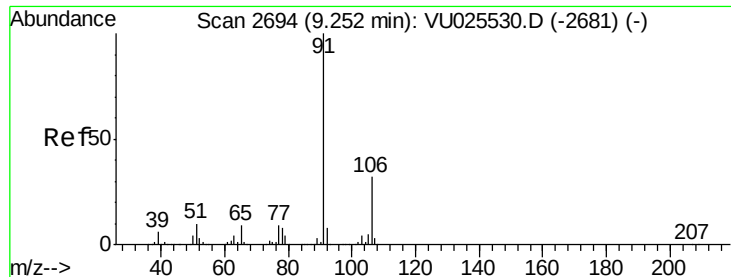
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	66.6	123.8
188	4.0	3.2	4.8



#51
 Chlorobenzene
 Concen: 48.074 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU025530.D
 Acq: 20 Jul 2018 10:05

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.5	41.9
77	57.3	45.8	68.8





#52

Ethylbenzene

Concen: 48.383 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025530.D

Acq: 20 Jul 2018 10:05

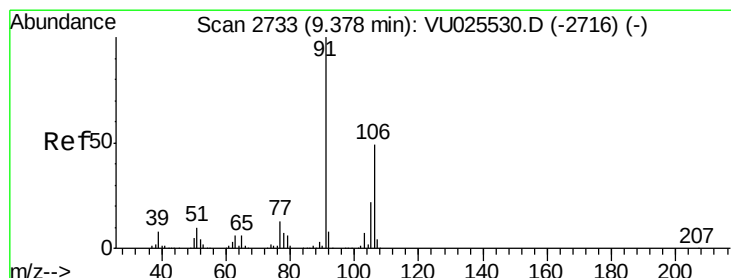
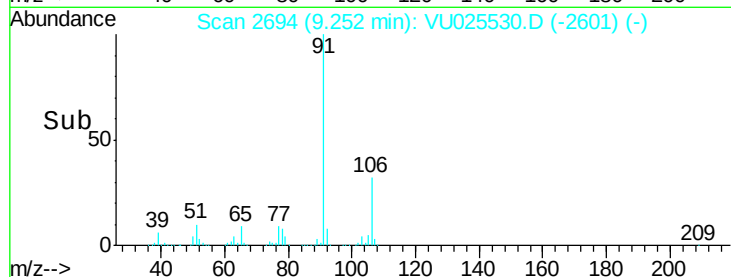
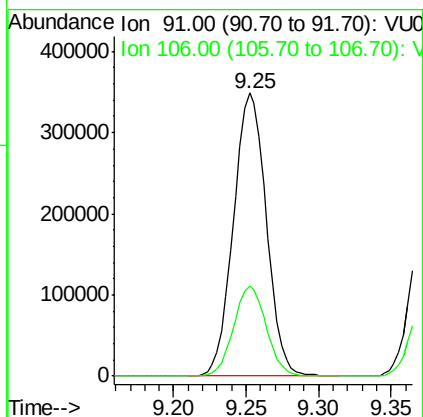
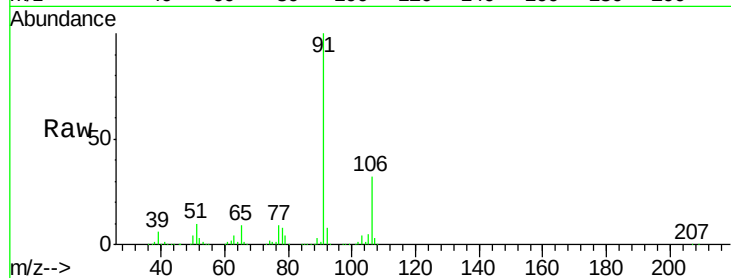
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 548056

Ion Ratio Lower Upper

91 100

106 31.9 22.3 41.5



#53

m,p-Xylene

Concen: 48.642 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025530.D

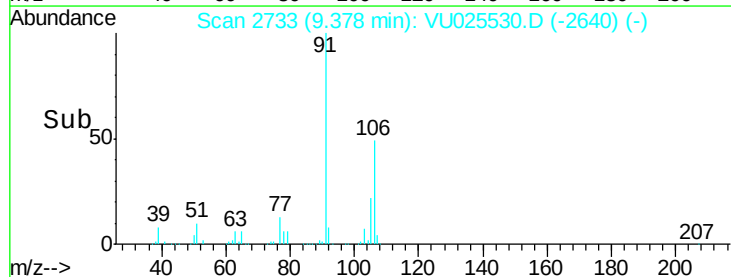
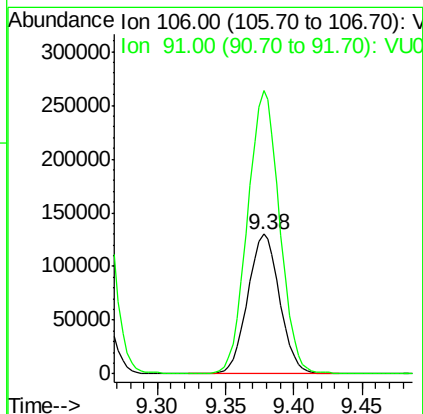
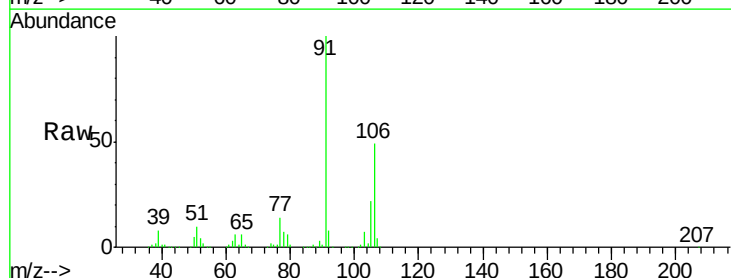
Acq: 20 Jul 2018 10:05

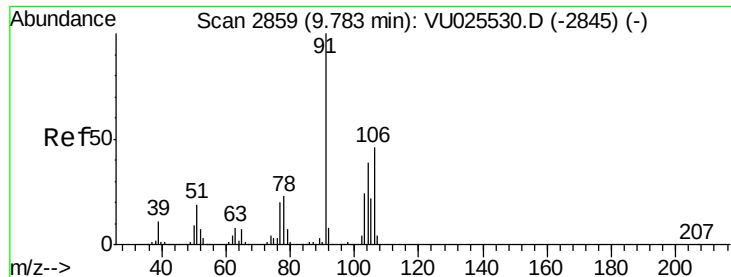
Tgt Ion: 106 Resp: 211814

Ion Ratio Lower Upper

106 100

91 202.5 141.7 263.3

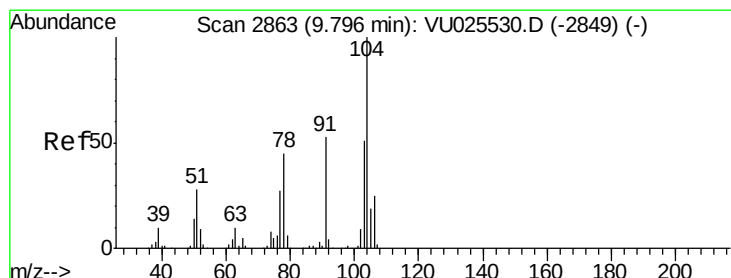
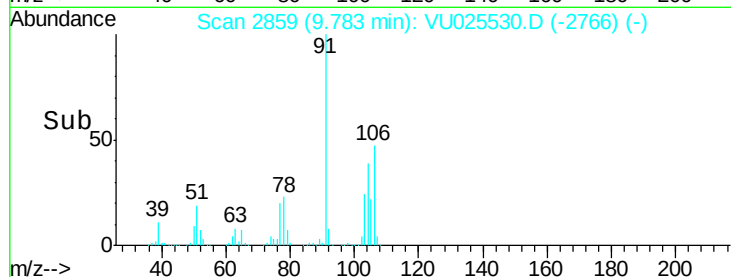
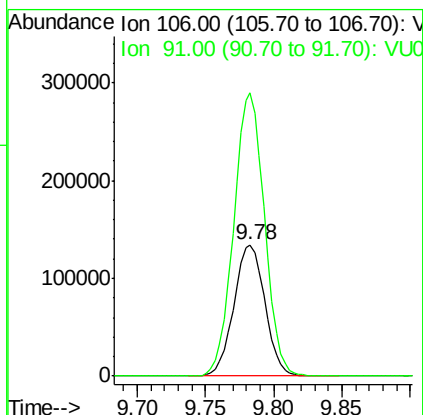
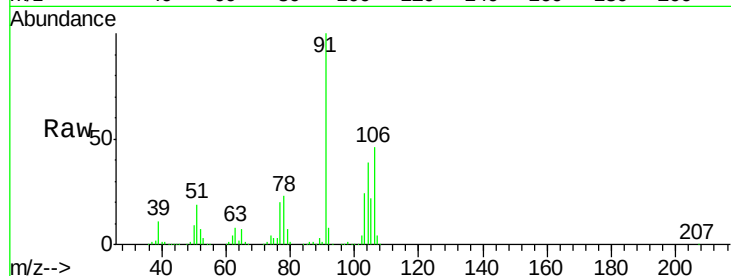




#54
o-xylene
Concen: 48.553 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025530.D
Acq: 20 Jul 2018 10:05

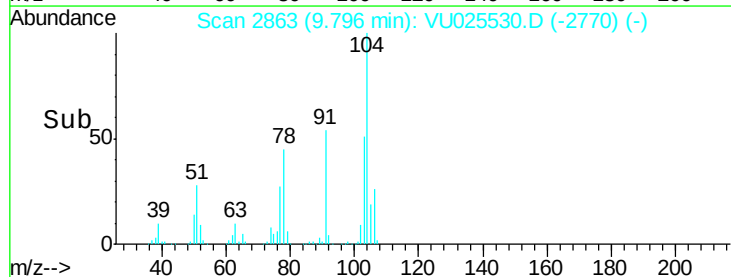
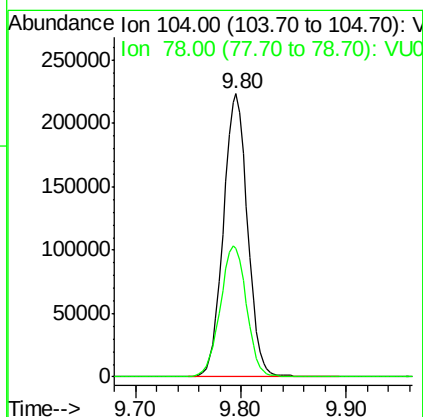
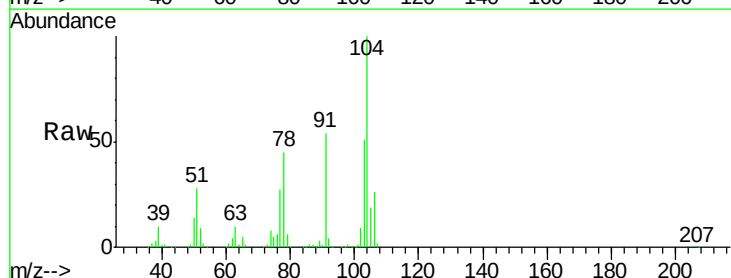
Instrument :
MSVOA_U
ClientSampled :

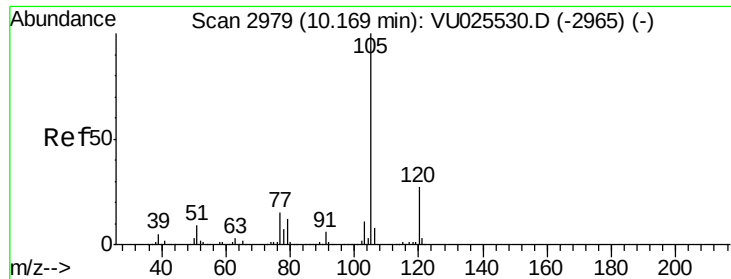
Tot Ion:106 Resp: 212455
Ion Ratio Lower Upper
106 100
91 215.1 150.6 279.6



#55
Styrene
Concen: 49.005 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025530.D
Acq: 20 Jul 2018 10:05

Tgt Ion:104 Resp: 353906
Ion Ratio Lower Upper
104 100
78 45.4 31.8 59.0





#56

Isopropylbenzene

Concen: 48.681 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025530.D

Acq: 20 Jul 2018 10:05

Instrument :

MSVOA_U

ClientSampled :

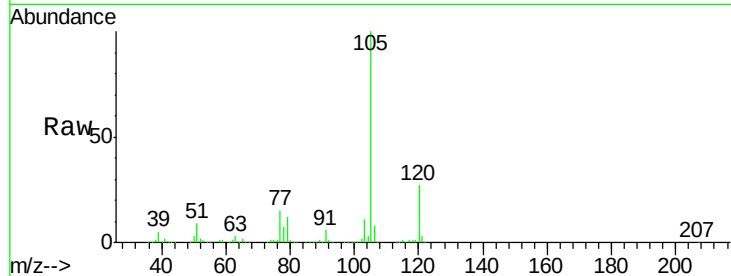
Tot Ion:105 Resp: 553666

Ion Ratio Lower Upper

105 100

120 27.1 21.7 32.5

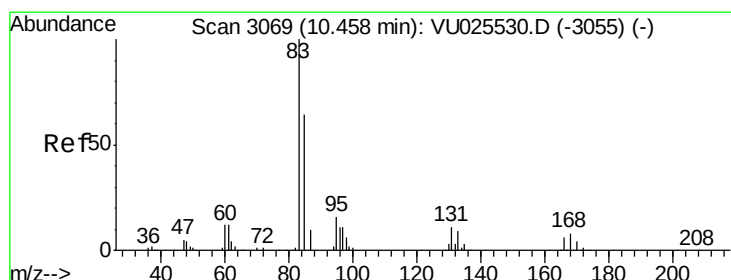
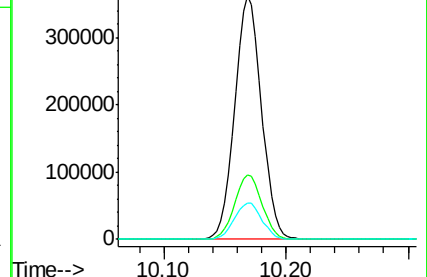
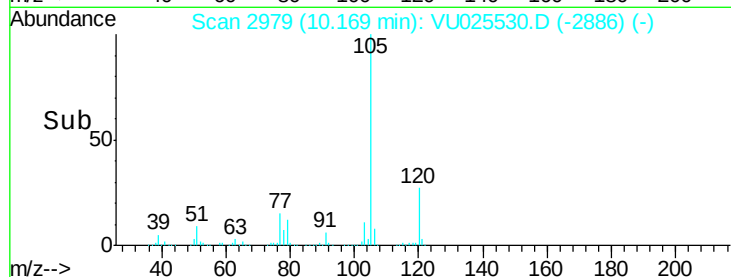
77 15.5 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 45.599 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU025530.D

Acq: 20 Jul 2018 10:05

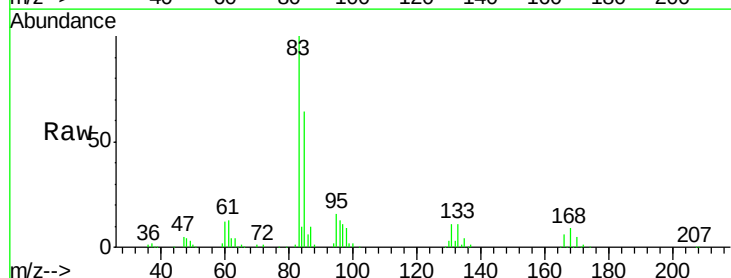
Tgt Ion: 83 Resp: 192434

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

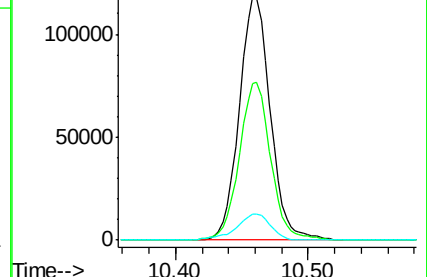
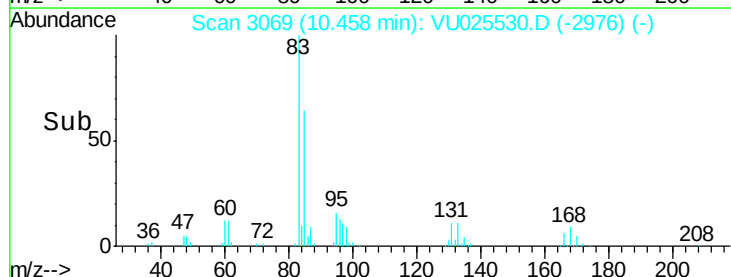
131 10.9 8.7 13.1

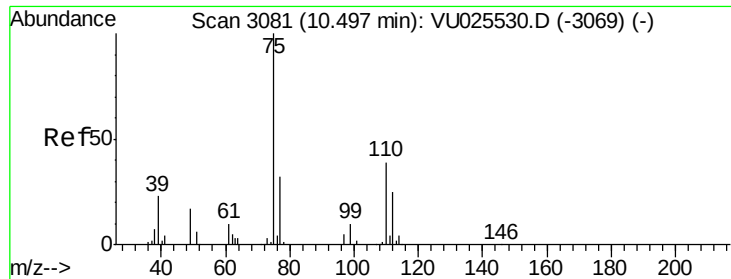


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

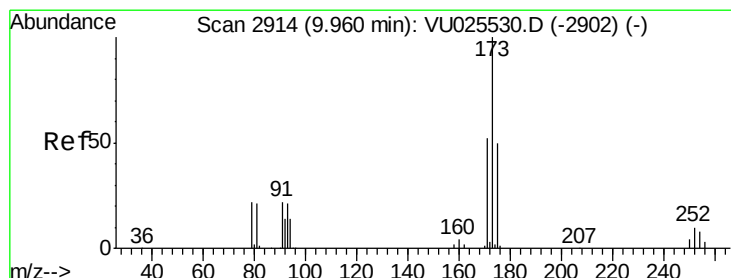
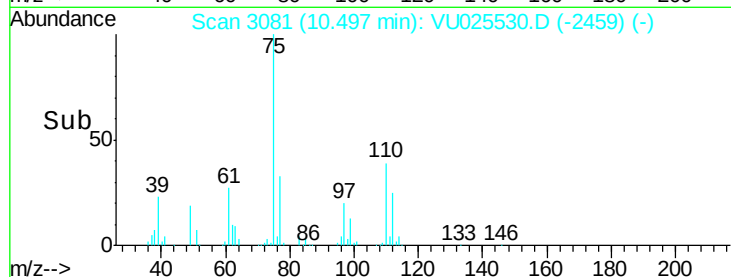
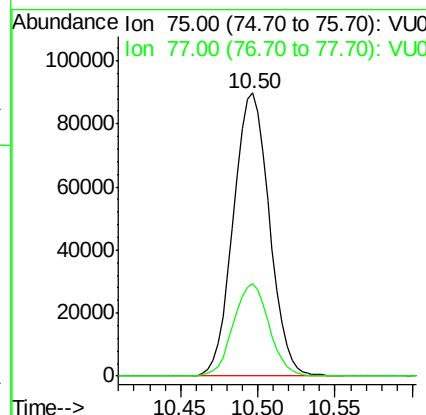
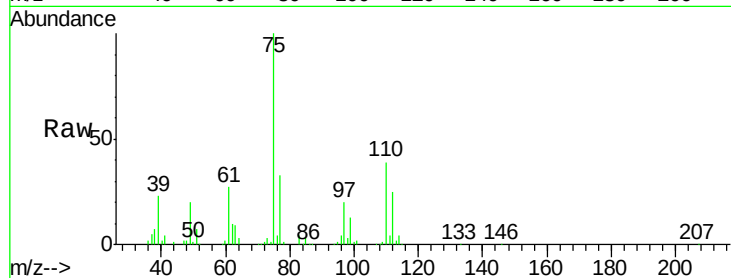




#59
 1,2,3-Trichloropropane
 Concen: 42.719 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025530.D
 Acq: 20 Jul 2018 10:05

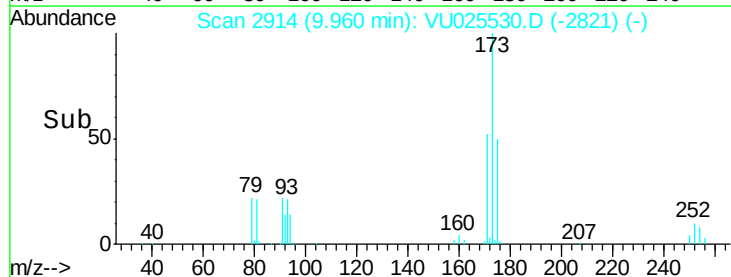
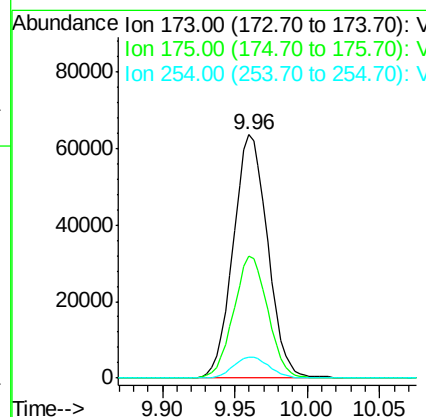
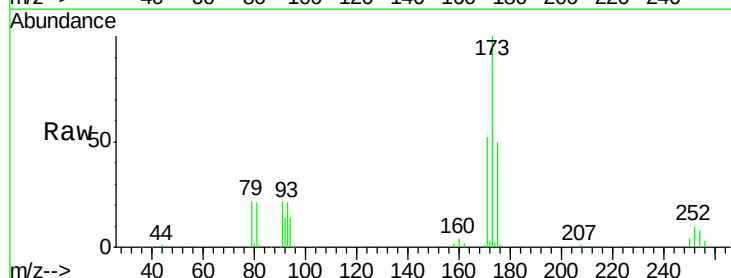
Instrument :
 MSVOA_U
 ClientSampled :

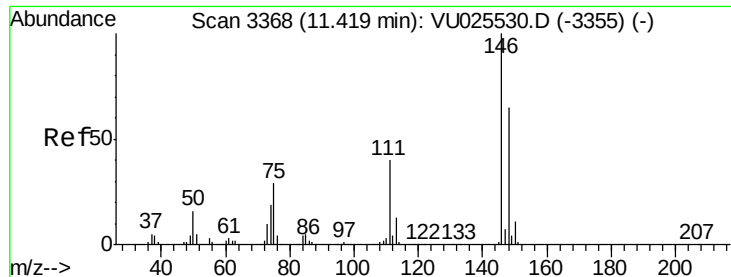
Tot Ion: 75 Resp: 144975
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.8



#61
 Bromoform
 Concen: 45.793 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU025530.D
 Acq: 20 Jul 2018 10:05

Tgt Ion: 173 Resp: 104730
 Ion Ratio Lower Upper
 173 100
 175 49.8 39.8 59.8
 254 9.1 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 46.963 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025530.D

Acq: 20 Jul 2018 10:05

Instrument :

MSVOA_U

ClientSampleId :

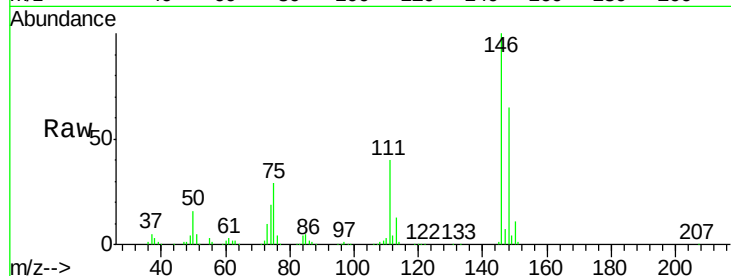
Tot Ion:146 Resp: 258886

Ion Ratio Lower Upper

146 100

111 39.6 27.7 51.5

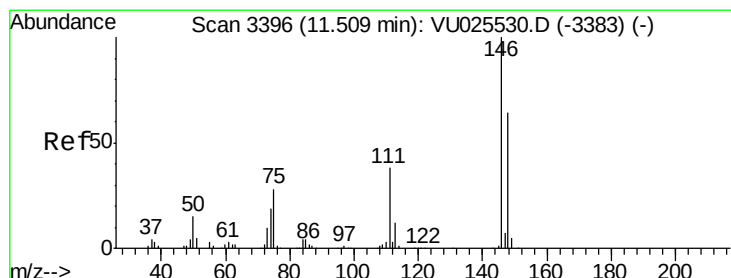
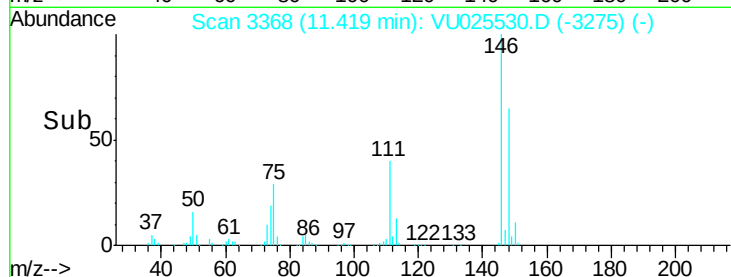
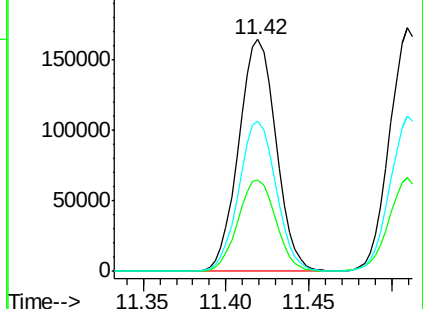
148 65.0 45.5 84.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 47.419 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025530.D

Acq: 20 Jul 2018 10:05

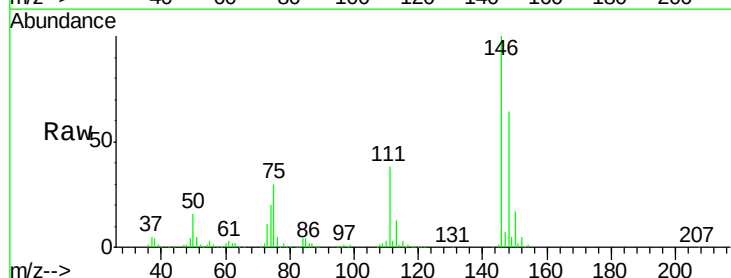
Tgt Ion:146 Resp: 265045

Ion Ratio Lower Upper

146 100

111 38.4 26.9 49.9

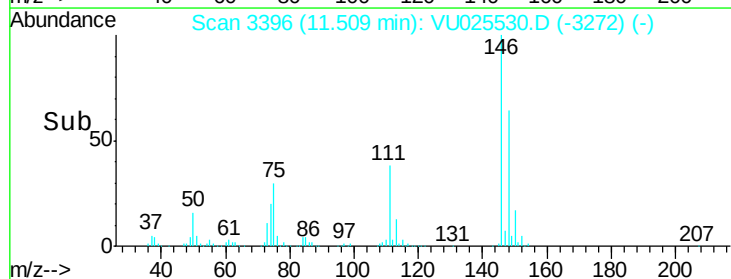
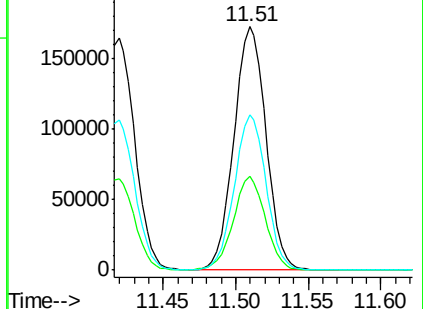
148 63.7 44.6 82.8

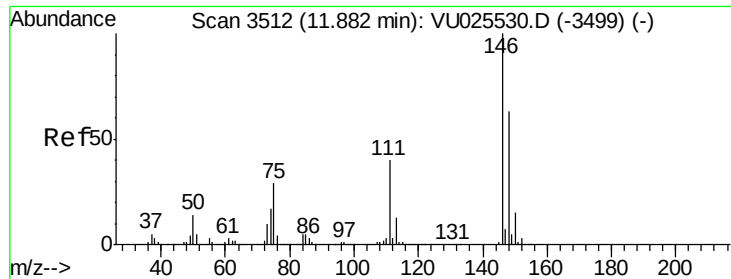


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

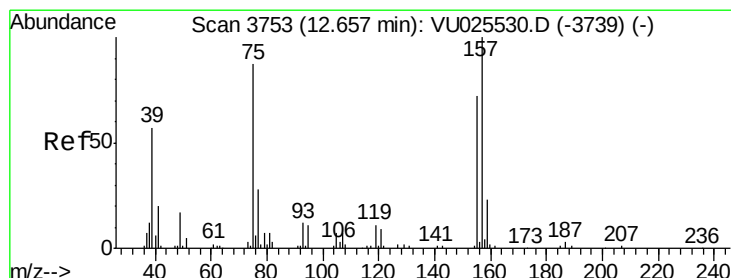
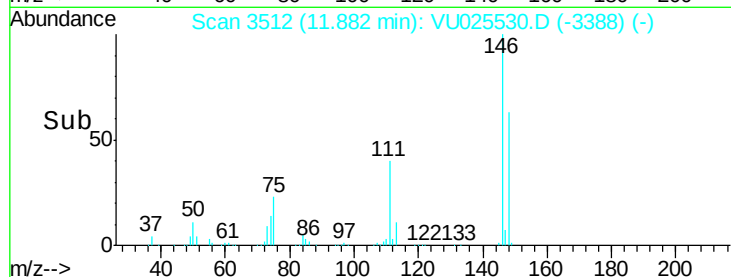
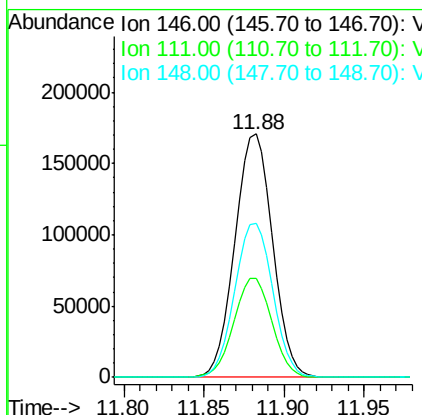
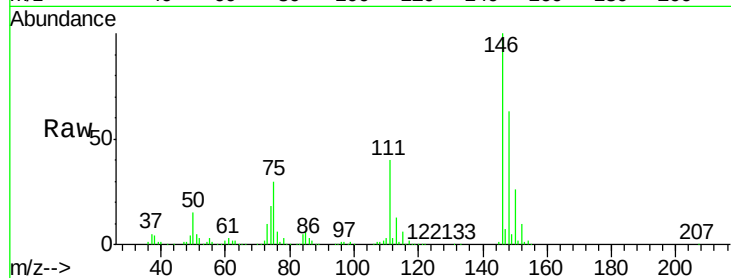




#65
 1,2-Dichlorobenzene
 Concen: 47.237 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025530.D
 Acq: 20 Jul 2018 10:05

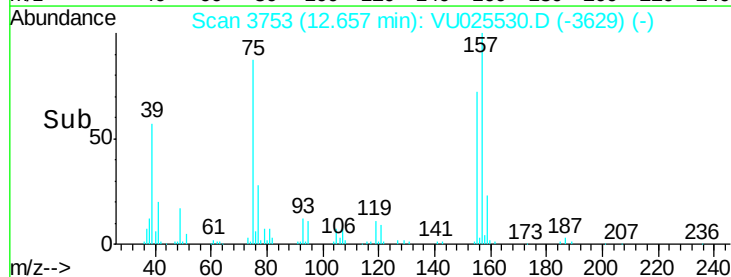
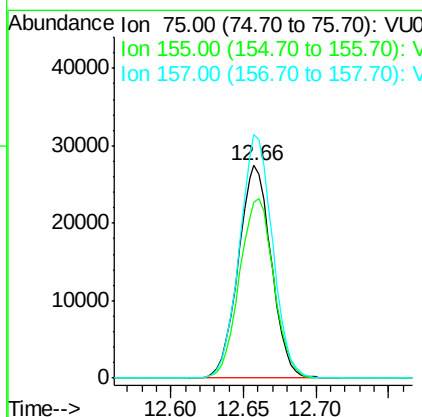
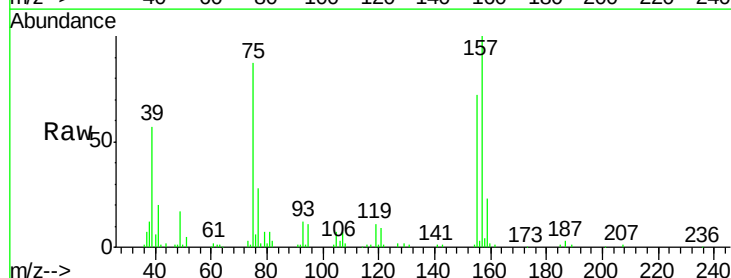
Instrument :
 MSVOA_U
 ClientSampleId :

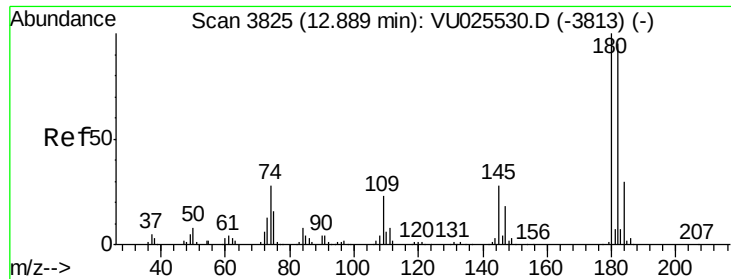
Tot Ion:146 Resp: 274223
 Ion Ratio Lower Upper
 146 100
 111 40.5 32.4 48.6
 148 63.4 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 41.548 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025530.D
 Acq: 20 Jul 2018 10:05

Tgt Ion: 75 Resp: 43373
 Ion Ratio Lower Upper
 75 100
 155 82.9 66.3 99.5
 157 114.4 91.5 137.3

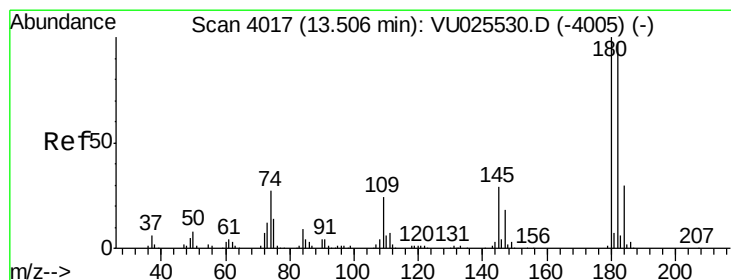
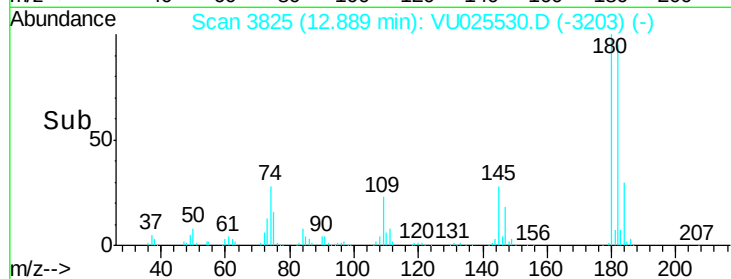
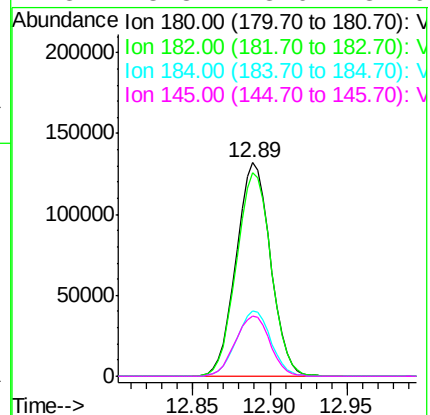
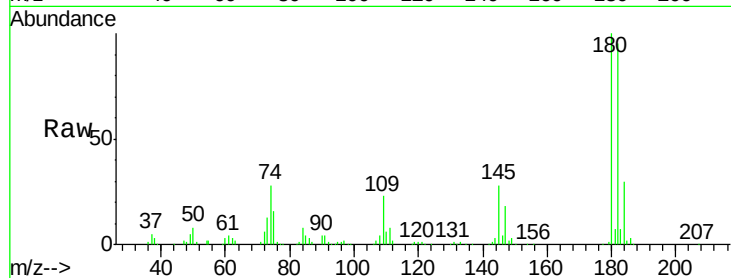




#67
 1,3,5-Trichlorobenzene
 Concen: 47.193 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU025530.D
 Acq: 20 Jul 2018 10:05

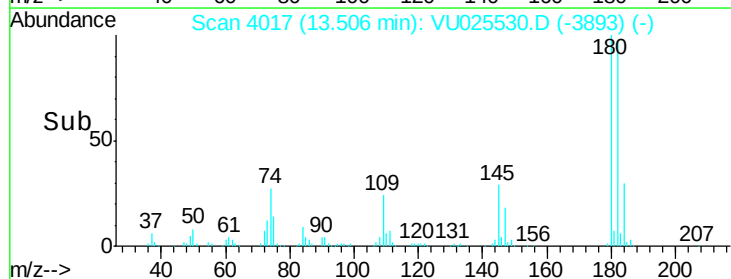
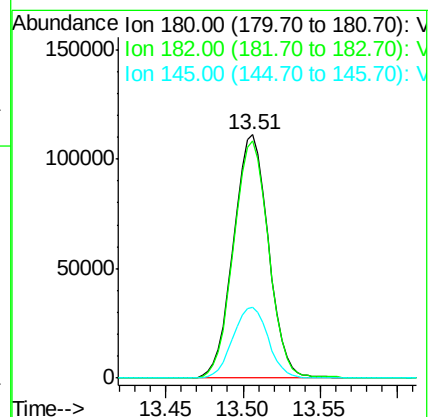
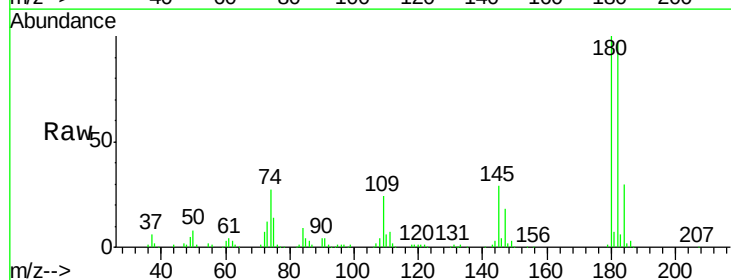
Instrument :
 MSVOA_U
 ClientSampleId :

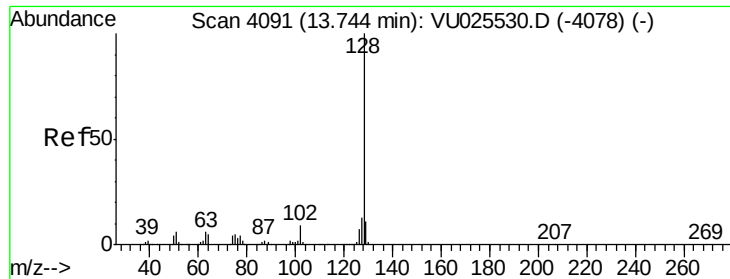
Tot Ion:180 Resp: 202777
 Ion Ratio Lower Upper
 180 100
 182 96.6 77.3 115.9
 184 30.7 24.6 36.8
 145 28.8 23.0 34.6



#68
 1,2,4-trichlorobenzene
 Concen: 46.004 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025530.D
 Acq: 20 Jul 2018 10:05

Tgt Ion:180 Resp: 174314
 Ion Ratio Lower Upper
 180 100
 182 97.6 78.1 117.1
 145 29.3 23.4 35.2





#69

Naphthalene

Concen: 42.719 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025530.D

Acq: 20 Jul 2018 10:05

Instrument :

MSVOA_U

ClientSampleId :

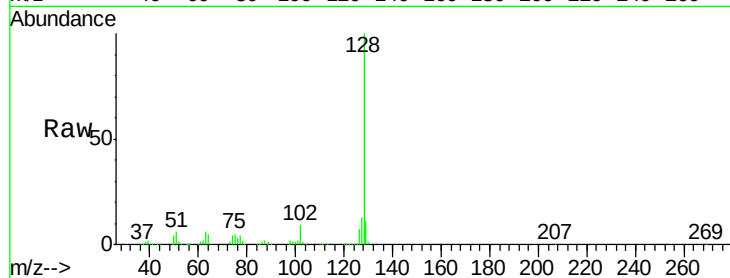
Tot Ion:128 Resp: 539857

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

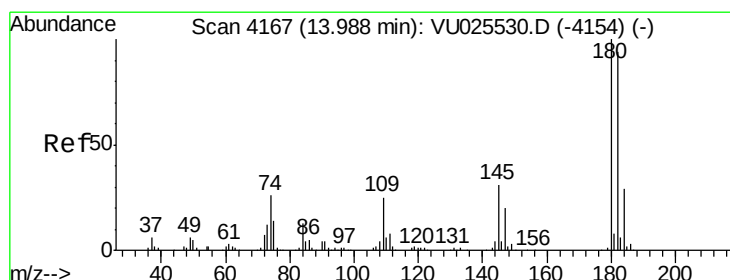
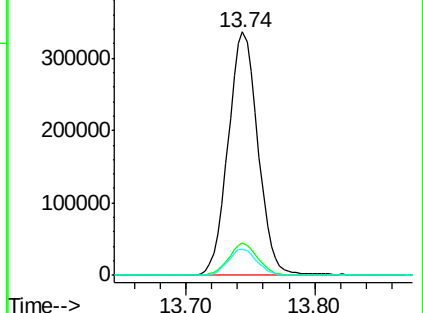
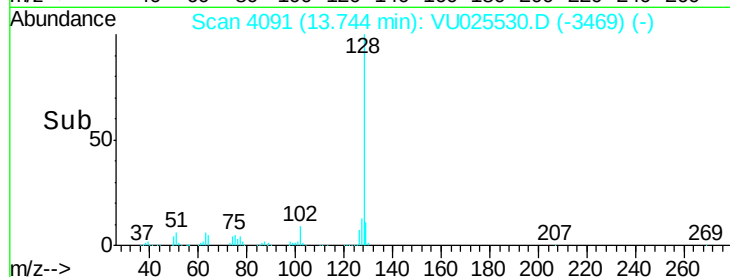
129 10.5 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 45.487 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU025530.D

Acq: 20 Jul 2018 10:05

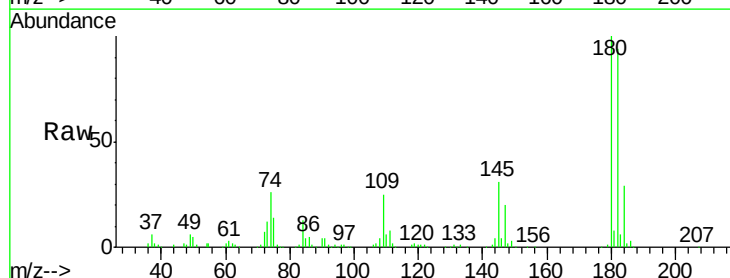
Tgt Ion:180 Resp: 183518

Ion Ratio Lower Upper

180 100

182 95.7 76.6 114.8

145 31.8 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

