

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072018\
 Data File : VU025532.D
 Acq On : 20 Jul 2018 10:52
 Operator : MD/SY
 Sample : VSTD20057
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 21 00:57:08 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	350553	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	335574	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	191281	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	402753	234.50	ug/L	0.00
7) Chloroethane-d5	1.67	69	320391	219.72	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.27	63	837246	223.11	ug/L	0.00
21) 2-Butanone-d5	4.17	46	629685	368.40	ug/L	0.00
24) Chloroform-d	4.65	84	886012	204.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	567245	194.45	ug/L	0.00
32) Benzene-d6	5.35	84	1693900	206.90	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	539710	200.62	ug/L	0.00
41) Toluene-d8	7.57	98	1669178	209.78	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	297328	211.81	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	513589	380.93	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	804457	202.70	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	761464	198.06	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	638522	211.955	ug/L	99
3) Chloromethane	1.33	50	462412	182.078	ug/L	98
5) Vinyl chloride	1.40	62	524045	201.756	ug/L	99
6) Bromomethane	1.61	94	227194	173.858	ug/L	95
8) Chloroethane	1.69	64	300345	192.868	ug/L	98
9) Trichlorofluoromethane	1.88	101	727212	191.204	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	421615	198.466	ug/L	99
12) 1,1-Dichloroethene	2.28	96	391496	203.704	ug/L	94
13) Acetone	2.32	43	571691	354.638	ug/L	100
14) Carbon disulfide	2.48	76	1264460	203.126	ug/L	100
15) Methyl Acetate	2.62	43	472863	170.554	ug/L	99
16) Methylene chloride	2.70	84	462646	186.803	ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	433295	192.985	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	1432077	183.285	ug/L	99
19) 1,1-Dichloroethane	3.45	63	810553	182.042	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	499011	183.478	ug/L	96
22) 2-Butanone	4.26	43	720973	344.461	ug/L	99
23) Bromochloromethane	4.55	128	261376	191.101	ug/L	99
25) Chloroform	4.68	83	857983	183.632	ug/L	99
27) 1,2-Dichloroethane	5.41	62	695266	179.208	ug/L	98
29) Cyclohexane	5.00	56	752974	193.260	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	787581	178.424	ug/L	99
31) Carbon tetrachloride	5.14	117	731703	187.786	ug/L	100
33) Benzene	5.39	78	1803482	182.635	ug/L	100
34) Trichloroethene	6.19	95	482318	184.329	ug/L	98
35) Methylcyclohexane	6.42	83	803915	196.230	ug/L	99
37) 1,2-Dichloropropane	6.44	63	492267	181.675	ug/L	99
38) Bromodichloromethane	6.76	83	668421	183.781	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	817756	194.529	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	1381205	355.995	ug/L	99

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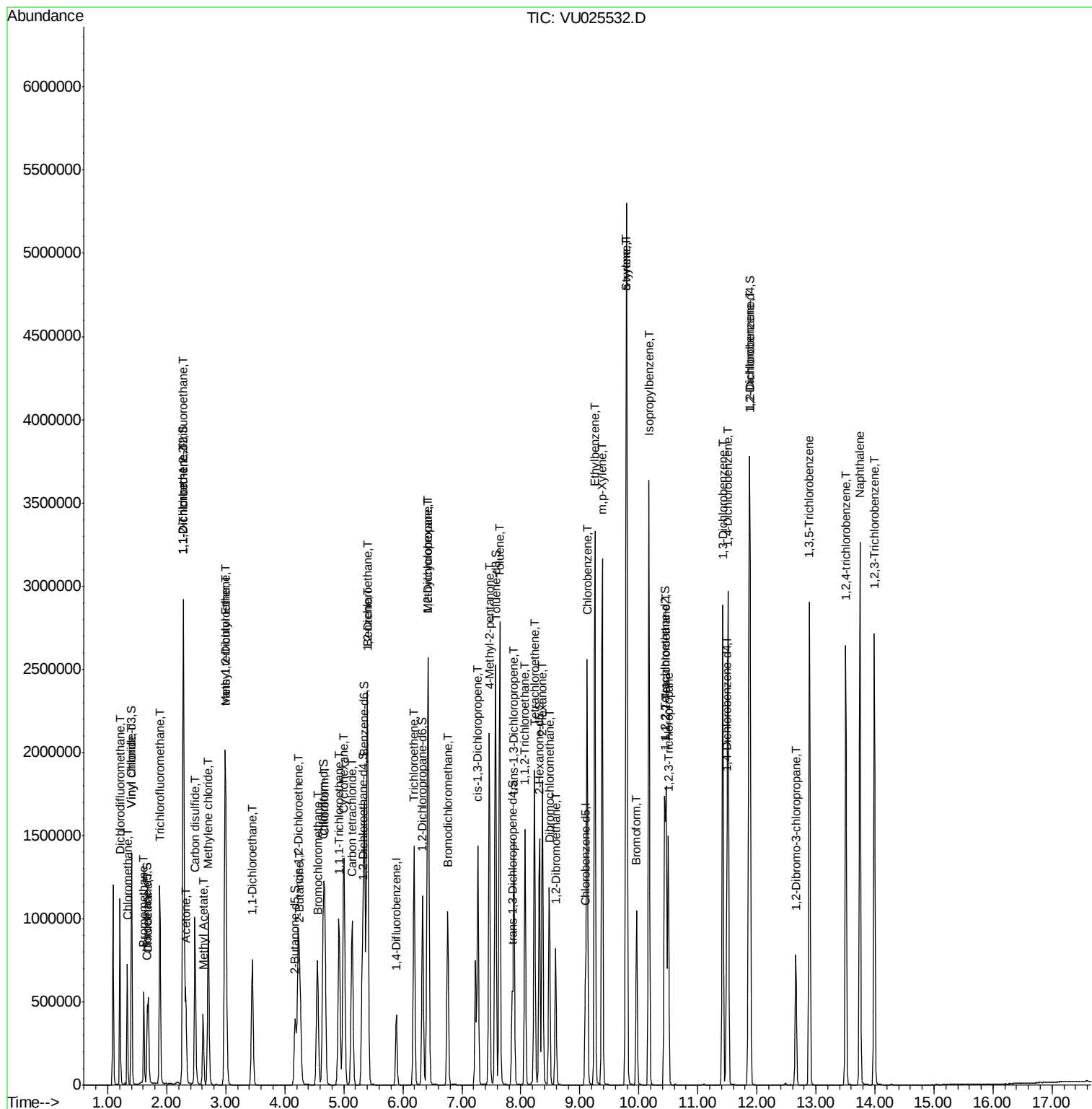
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	2009804	189.860	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	783815	194.775	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	474429	184.249	ug/L	99
46) Tetrachloroethene	8.23	164	429197	192.169	ug/L	100
48) 2-Hexanone	8.36	43	1125303	360.223	ug/L	99
49) Dibromochloromethane	8.48	129	598662	192.634	ug/L	98
50) 1,2-Dibromoethane	8.59	107	522553	184.685	ug/L	100
51) Chlorobenzene	9.12	112	1357817	191.455	ug/L	99
52) Ethylbenzene	9.25	91	2295202	194.120	ug/L	100
53) m,p-Xylene	9.38	106	897132	197.376	ug/L	99
54) o-xylene	9.78	106	888019	194.425	ug/L	97
55) Styrene	9.80	104	1532694	203.325	ug/L	100
56) Isopropylbenzene	10.17	105	2352597	198.173	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	806761	183.148	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	599558	169.257	ug/L	99
61) Bromoform	9.96	173	480620	183.511	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	1170629	185.435	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	1189751	185.874	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	1197497	180.129	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	188669	157.820	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	921592	187.293	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	825167	190.168	ug/L	98
69) Naphthalene	13.74	128	2515063	173.789	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	843152	182.490	ug/L	100

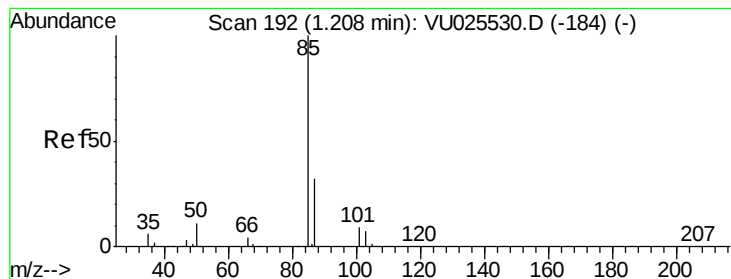
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 211.955 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

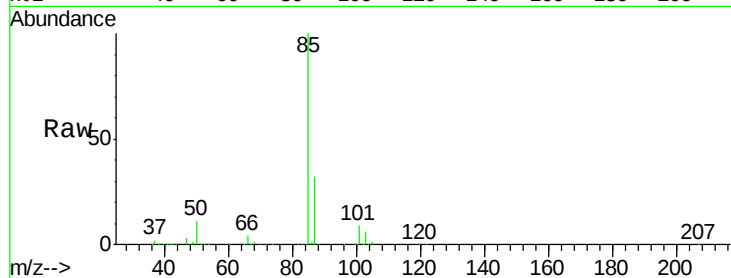
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 638522

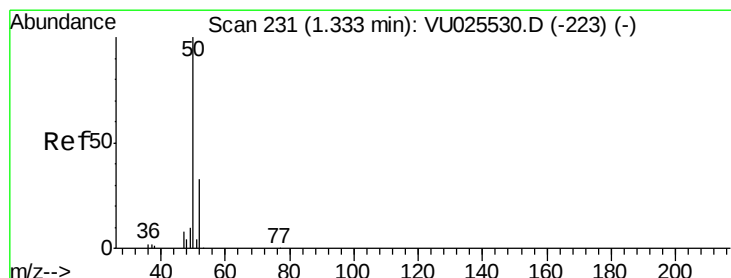
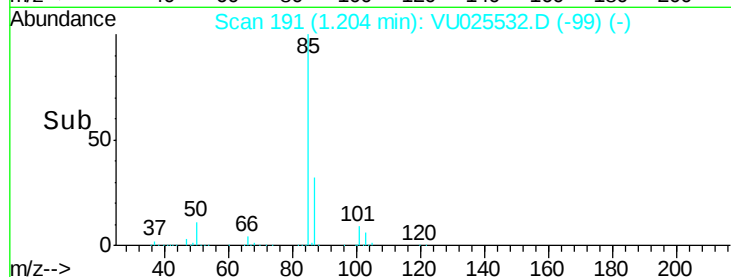
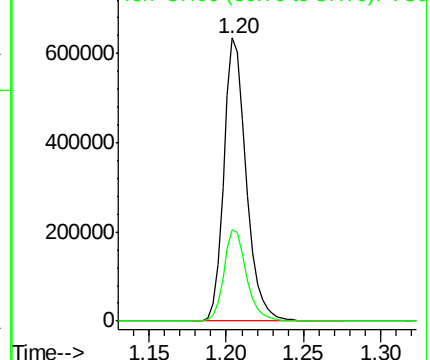
Ion Ratio Lower Upper

85 100

87 32.4 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: 182.078 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025532.D

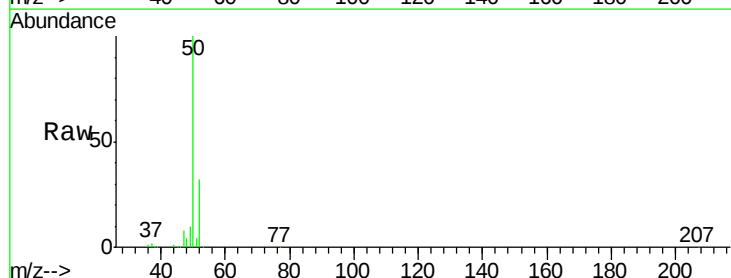
Acq: 20 Jul 2018 10:52

Tgt Ion: 50 Resp: 462412

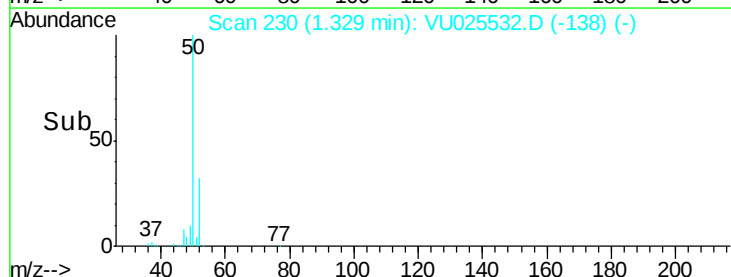
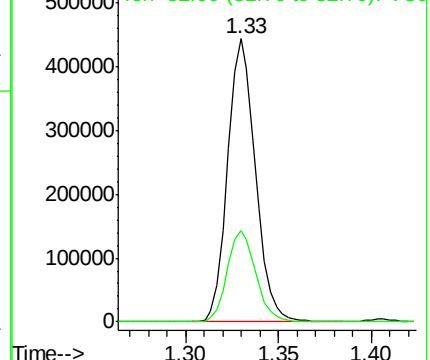
Ion Ratio Lower Upper

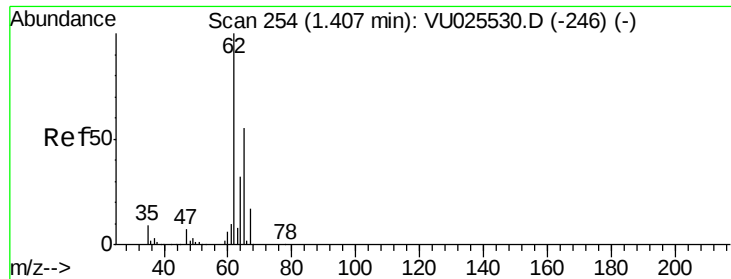
50 100

52 32.3 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: 201.756 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

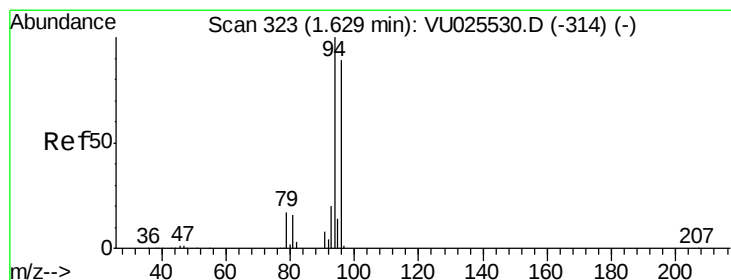
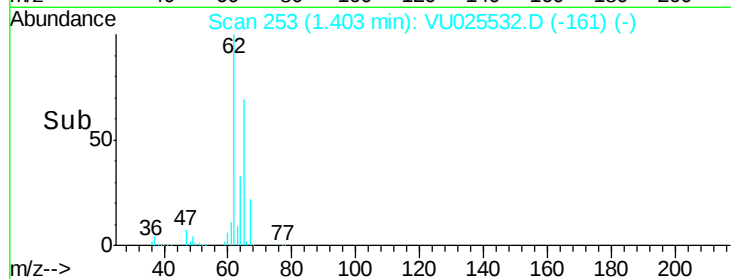
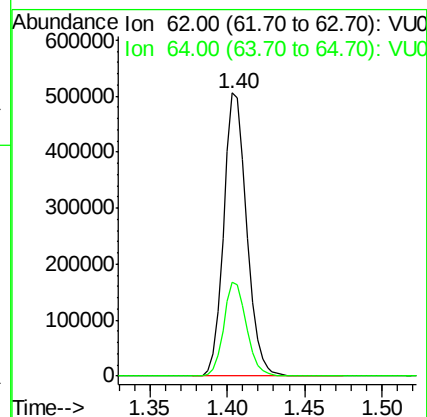
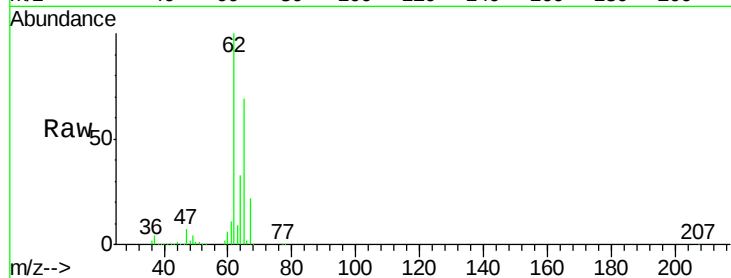
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 524045

Ion Ratio Lower Upper

62 100

64 33.0 22.7 42.1



#6

Bromomethane

Concen: 173.858 ug/L

RT: 1.61 min Scan# 317

Delta R.T. -0.02 min

Lab File: VU025532.D

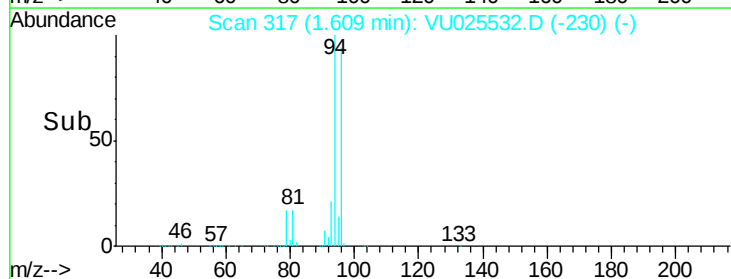
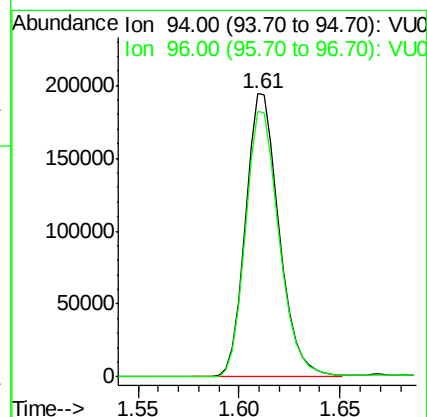
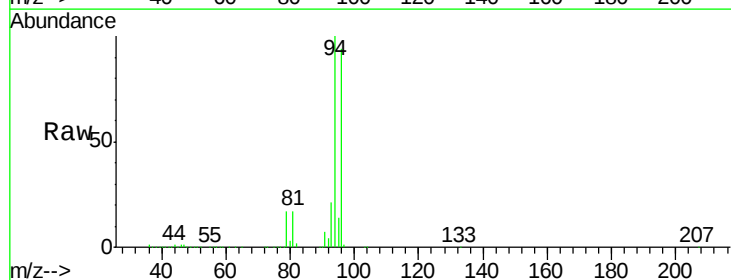
Acq: 20 Jul 2018 10:52

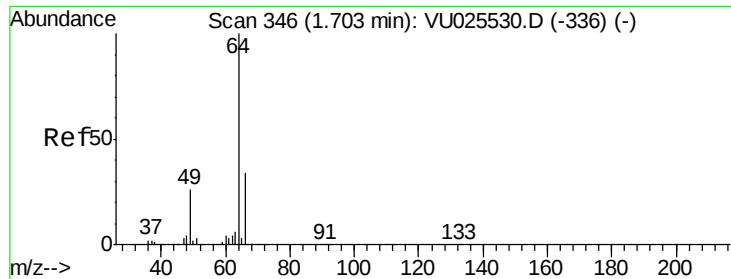
Tgt Ion: 94 Resp: 227194

Ion Ratio Lower Upper

94 100

96 94.0 62.4 115.8





#8

Chloroethane

Concen: 192.868 ug/L

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

Instrument :

MSVOA_U

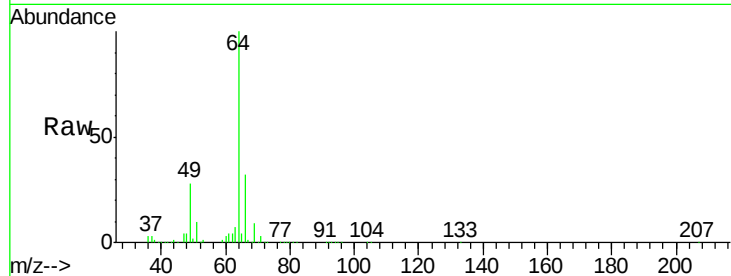
ClientSampleId :

Tot Ion: 64 Resp: 300345

Ion Ratio Lower Upper

64 100

66 32.4 23.5 43.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1.69

250000

200000

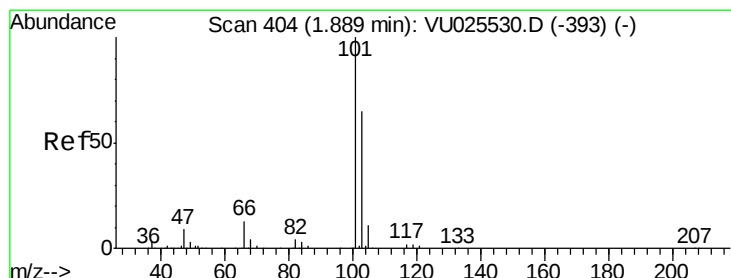
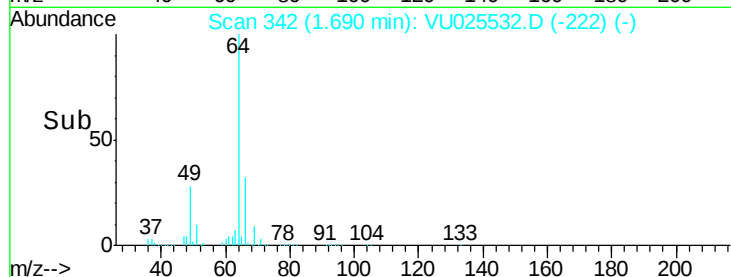
150000

100000

50000

0

Time--> 1.60 1.65 1.70 1.75



#9

Trichlorofluoromethane

Concen: 191.204 ug/L

RT: 1.88 min Scan# 402

Delta R.T. -0.01 min

Lab File: VU025532.D

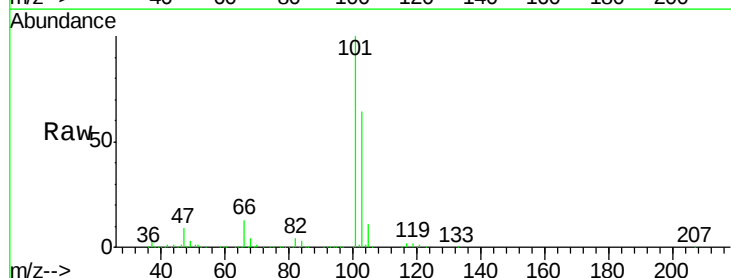
Acq: 20 Jul 2018 10:52

Tgt Ion:101 Resp: 727212

Ion Ratio Lower Upper

101 100

103 64.6 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.88

600000

500000

400000

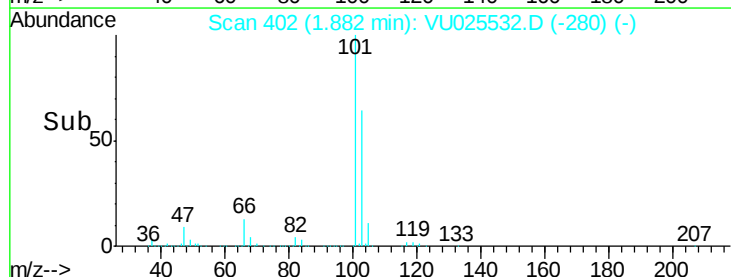
300000

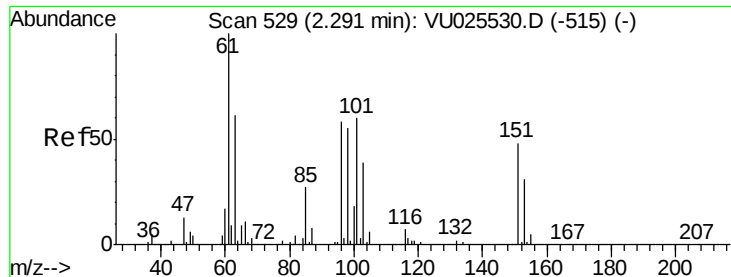
200000

100000

0

Time--> 1.80 1.85 1.90 1.95





#10

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

Concen: 198.466 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.01 min

Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampled :

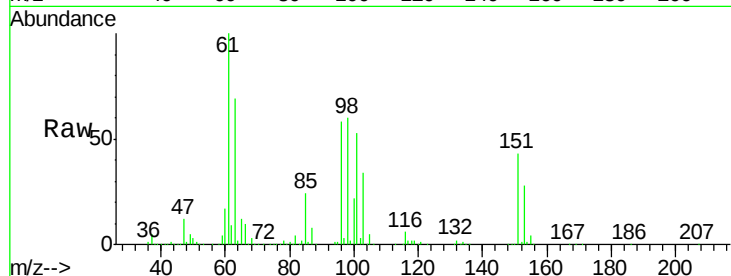
Tot Ion:101 Resp: 421615

Ion Ratio Lower Upper

101 100

85 43.9 35.5 53.3

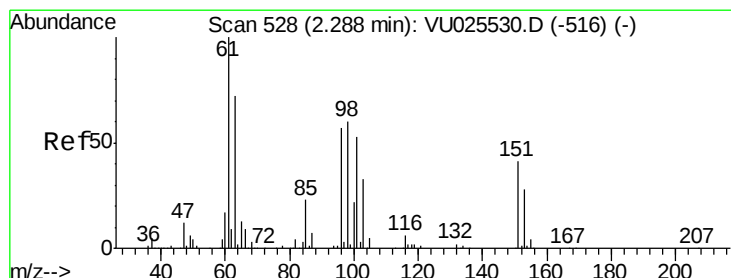
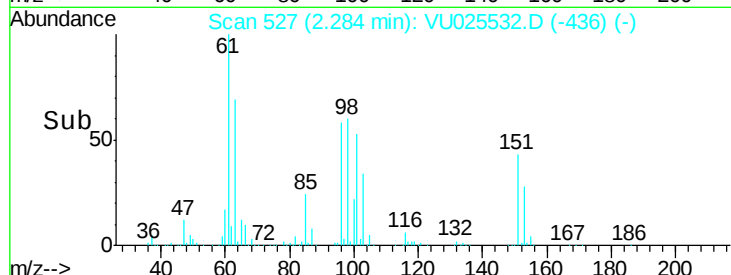
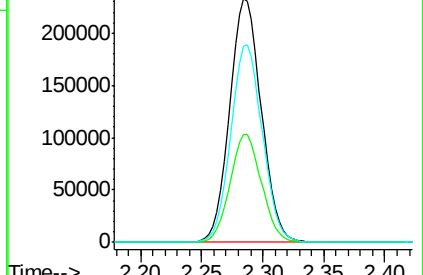
151 80.9 63.5 95.3



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: 203.704 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

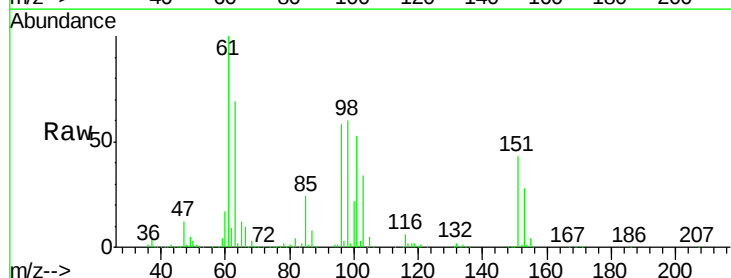
Tgt Ion: 96 Resp: 391496

Ion Ratio Lower Upper

96 100

61 171.1 122.5 227.5

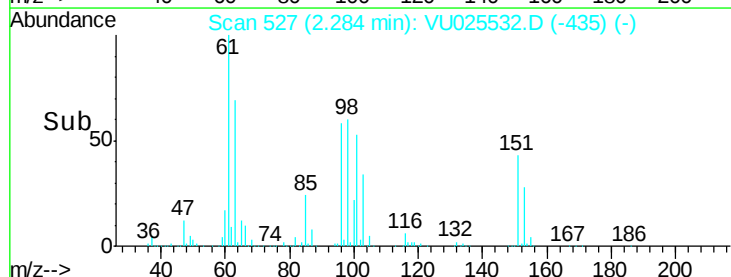
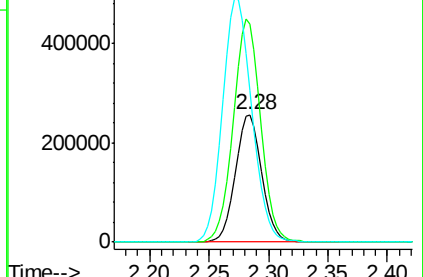
63 118.5 90.9 168.9

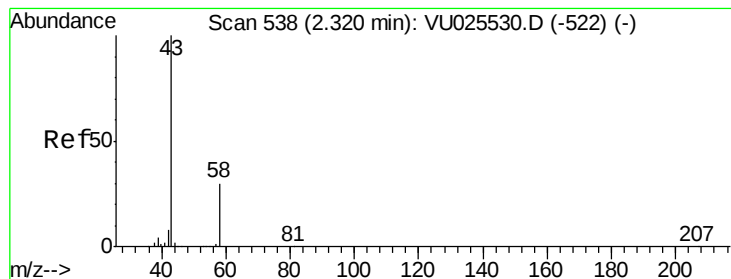


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 354.638 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

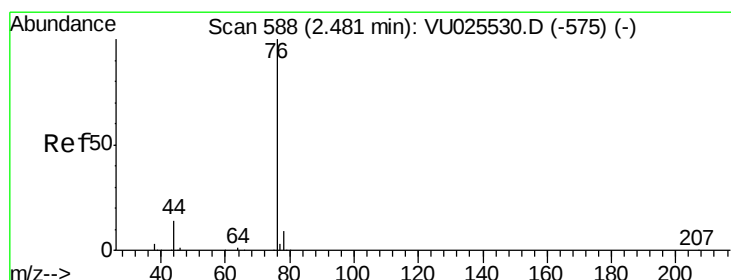
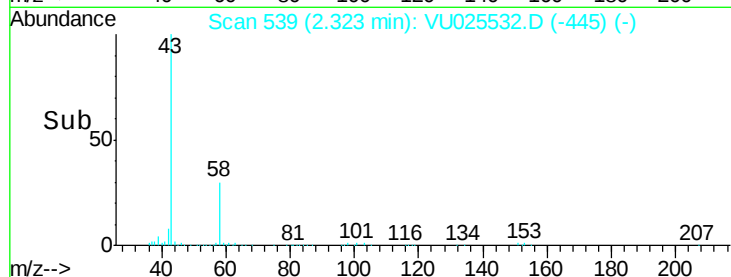
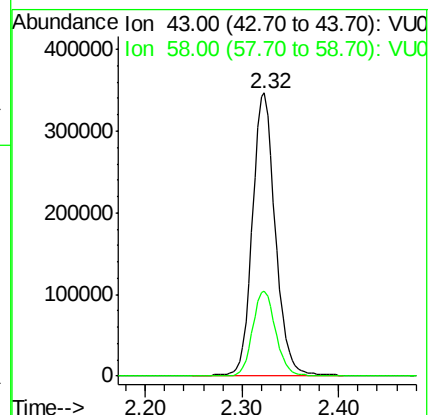
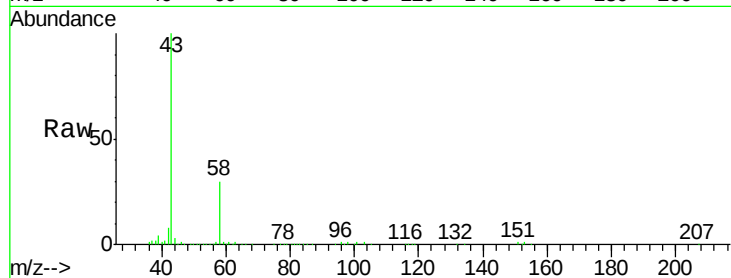
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 571691

Ion Ratio Lower Upper

43 100

58 30.4 0.0 61.2



#14

Carbon disulfide

Concen: 203.126 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025532.D

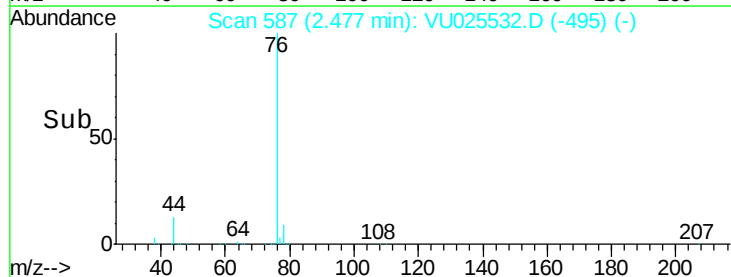
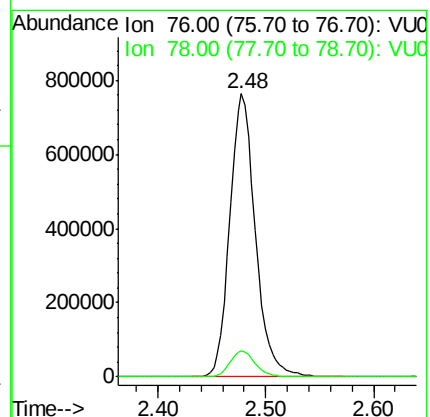
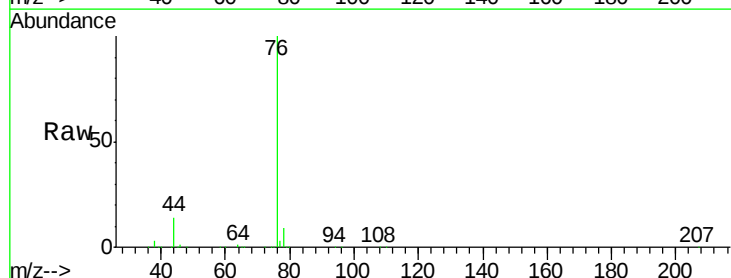
Acq: 20 Jul 2018 10:52

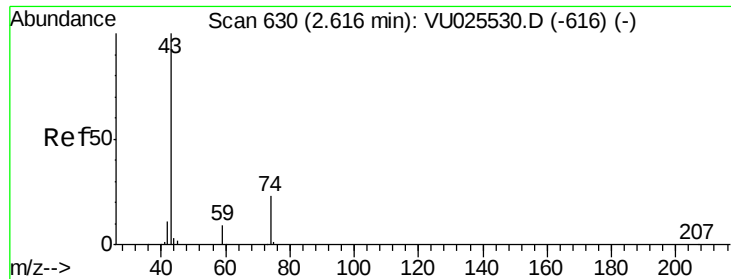
Tgt Ion: 76 Resp: 1264460

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

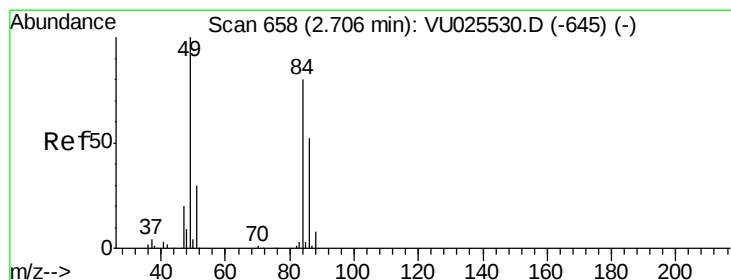
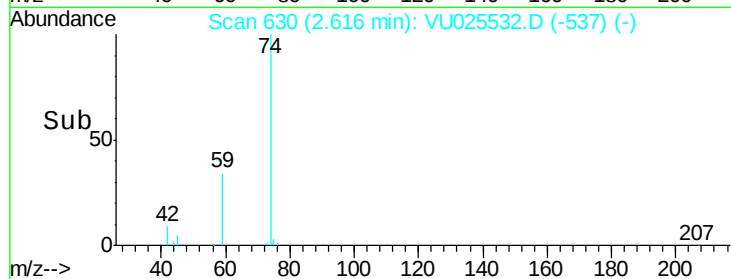
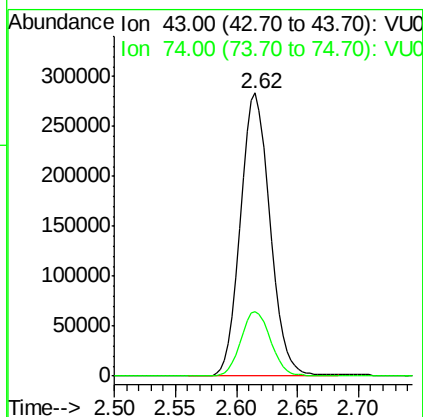
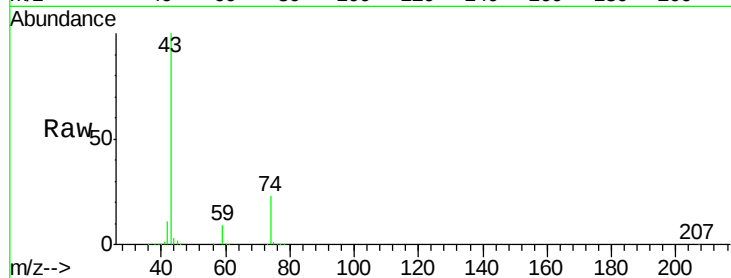




#15
Methvl Acetate
Concen: 170.554 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025532.D
Acq: 20 Jul 2018 10:52

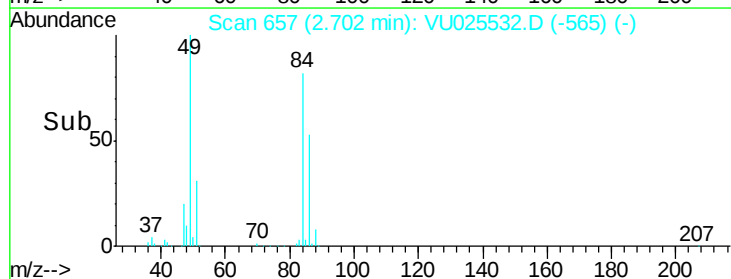
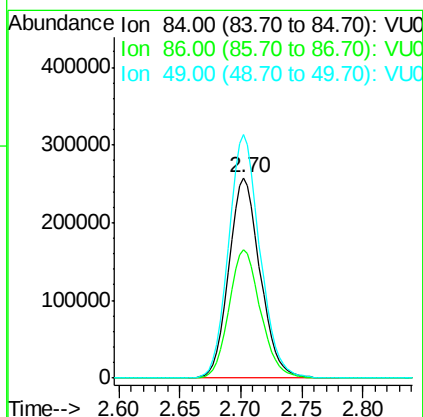
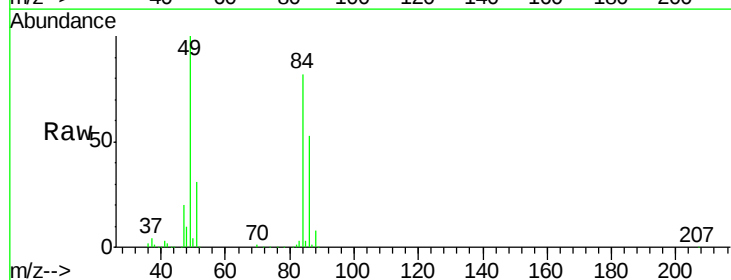
Instrument :
MSVOA_U
ClientSampleId :

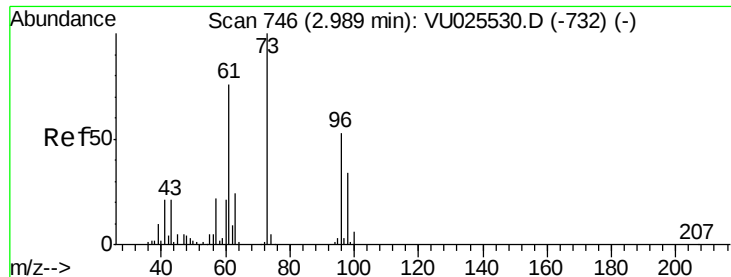
Tot Ion: 43 Resp: 472863
Ion Ratio Lower Upper
43 100
74 23.2 18.3 27.5



#16
Methylene chloride
Concen: 186.803 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025532.D
Acq: 20 Jul 2018 10:52

Tgt Ion: 84 Resp: 462646
Ion Ratio Lower Upper
84 100
86 64.2 45.6 84.6
49 121.4 87.0 161.6





#17

trans-1,2-Dichloroethene

Concen: 192.985 ug/L

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampleId :

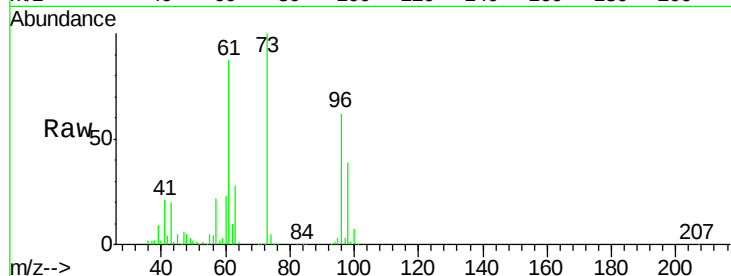
Tot Ion: 96 Resp: 433295

Ion Ratio Lower Upper

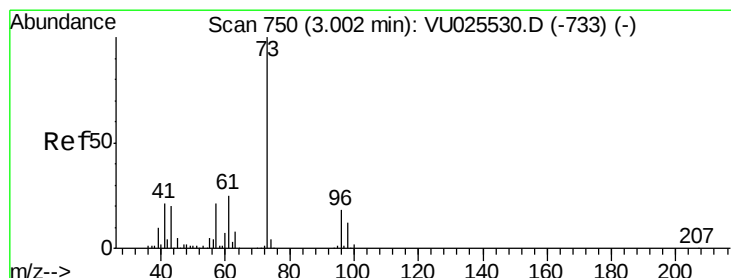
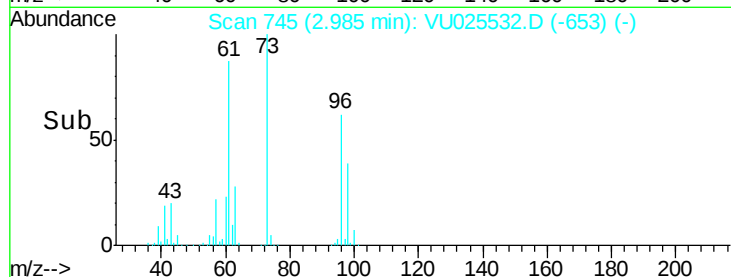
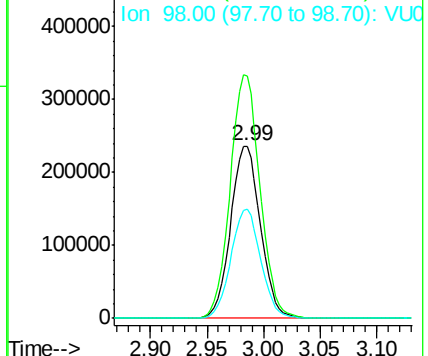
96 100

61 140.8 100.0 185.8

98 63.4 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: 183.285 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

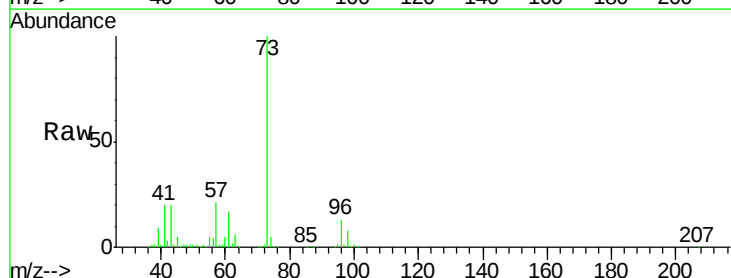
Tgt Ion: 73 Resp: 1432077

Ion Ratio Lower Upper

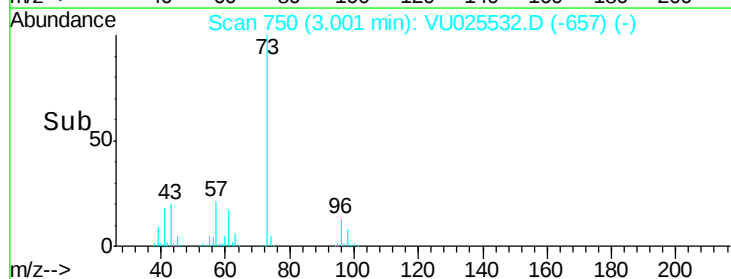
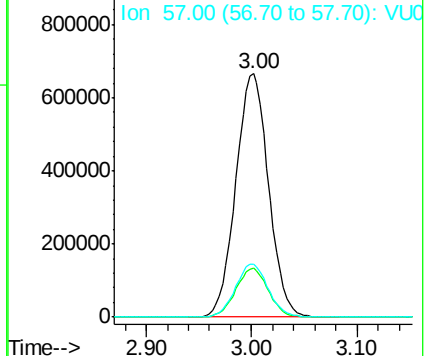
73 100

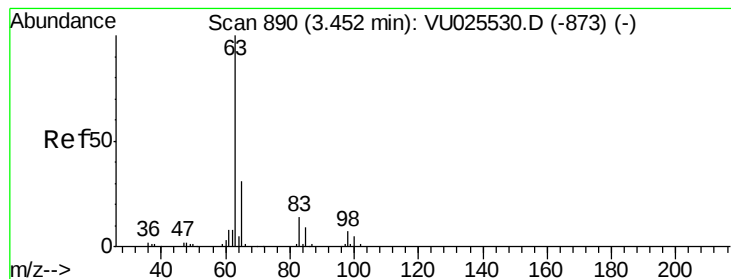
43 20.0 16.2 24.2

57 21.7 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: 182.042 ug/L

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampleId :

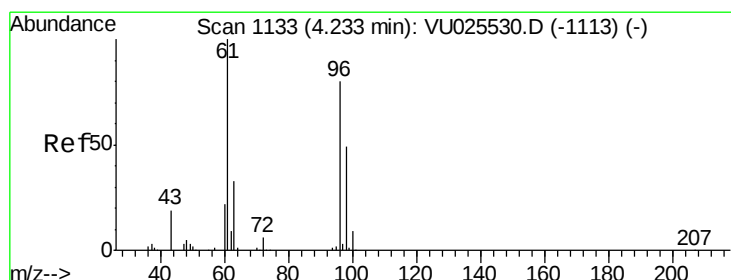
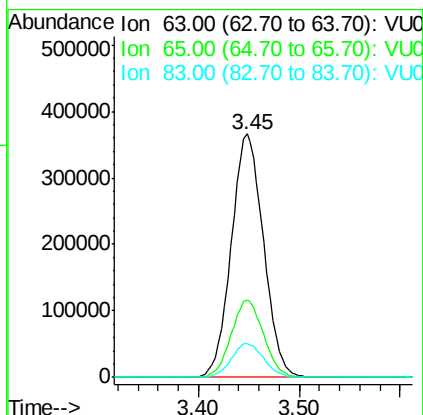
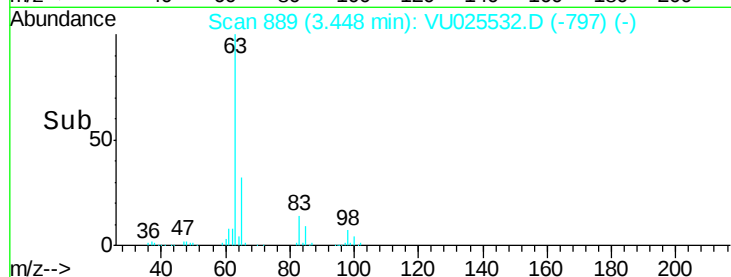
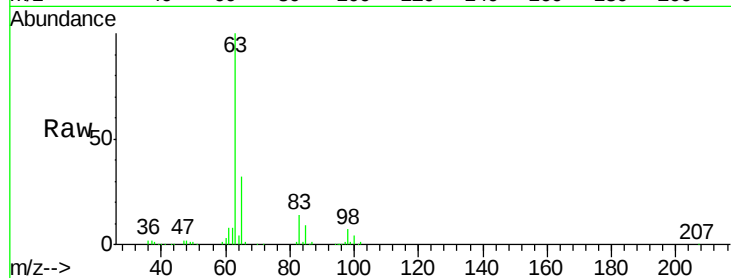
Tot Ion: 63 Resp: 810553

Ion Ratio Lower Upper

63 100

65 31.9 22.0 41.0

83 13.9 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 183.478 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

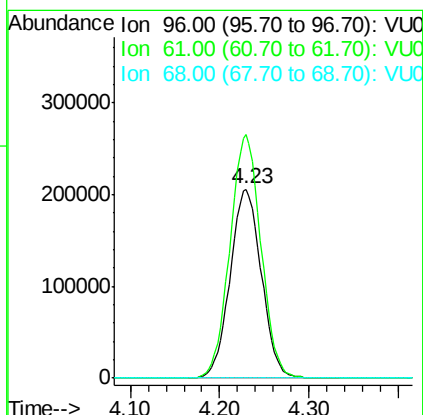
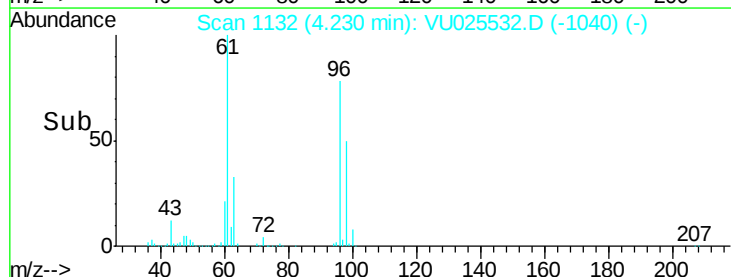
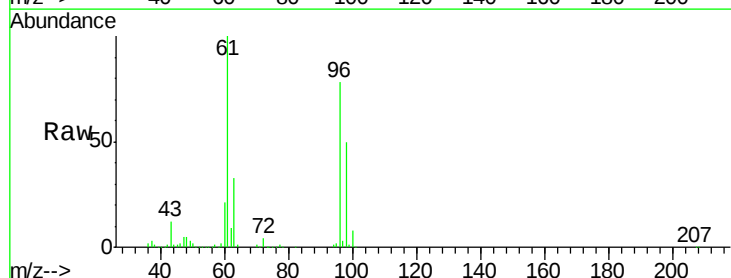
Tgt Ion: 96 Resp: 499011

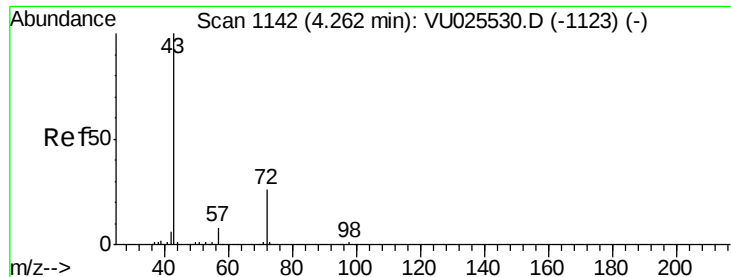
Ion Ratio Lower Upper

96 100

61 129.0 87.4 162.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 344.461 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

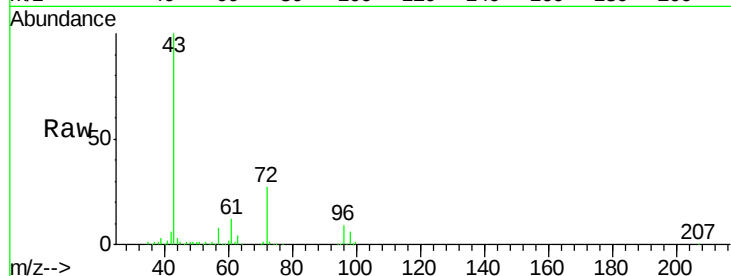
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 720973

Ion Ratio Lower Upper

43 100

72 27.5 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VU025532.D (-1149) (-)

Ion 72.00 (71.70 to 72.70): VU025532.D (-1149) (-)

4.26

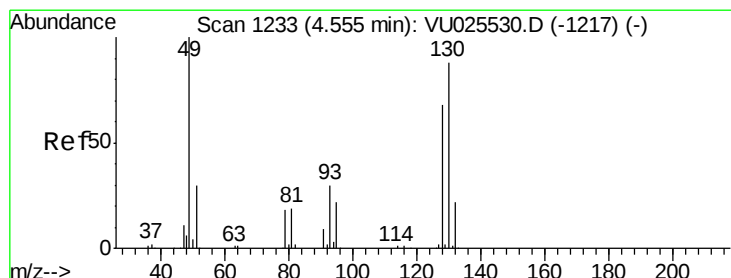
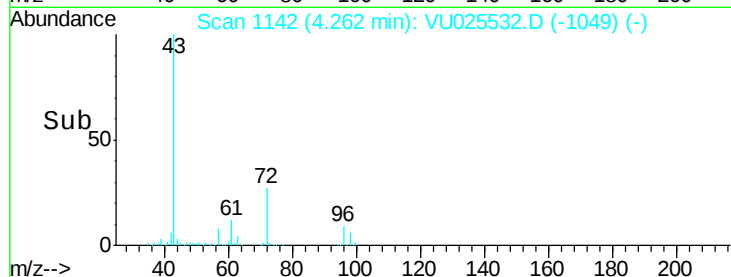
300000

200000

100000

0

Time-->



#23

Bromochloromethane

Concen: 191.101 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

Tgt Ion:128 Resp: 261376

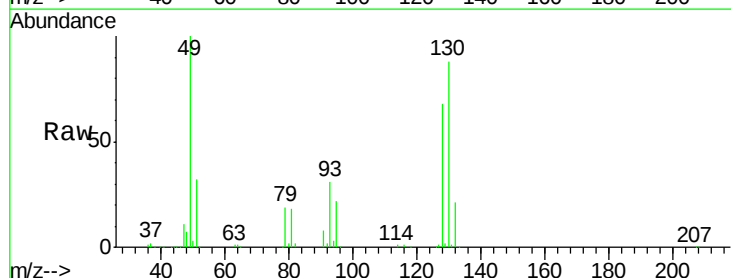
Ion Ratio Lower Upper

128 100

49 146.7 103.3 191.8

130 128.3 90.4 167.8

51 46.2 35.5 53.3



Abundance Ion 128.00 (127.70 to 128.70): VU025532.D (-1140) (-)

Ion 49.00 (48.70 to 49.70): VU025532.D (-1140) (-)

Ion 130.00 (129.70 to 130.70): VU025532.D (-1140) (-)

Ion 51.00 (50.70 to 51.70): VU025532.D (-1140) (-)

4.55

250000

200000

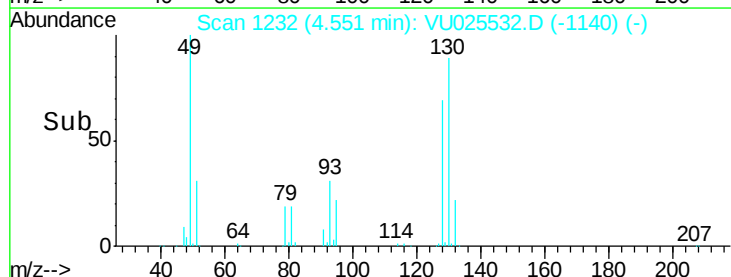
150000

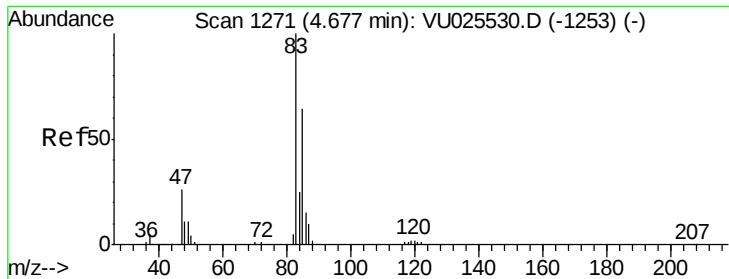
100000

50000

0

Time-->

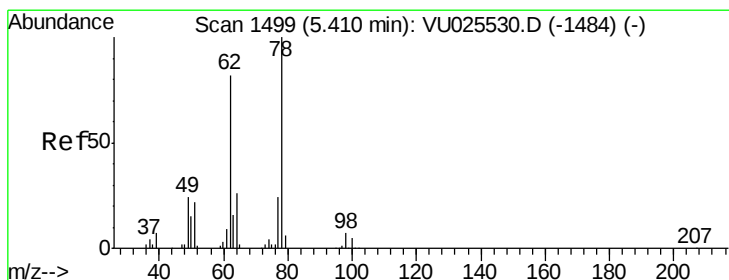
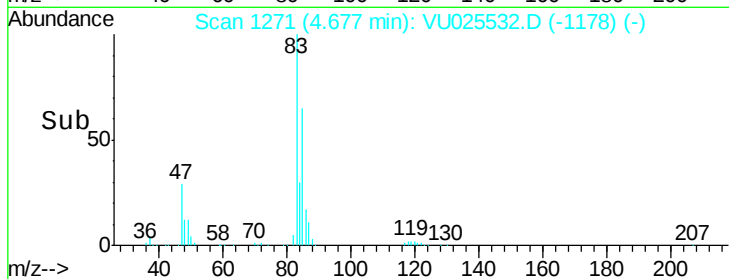
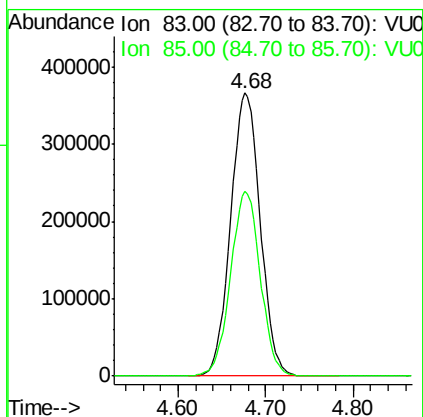
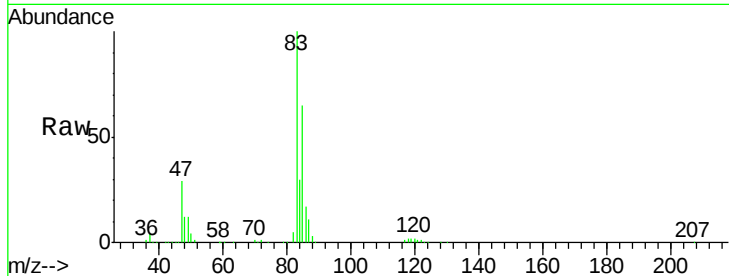




#25
Chloroform
Concen: 183.632 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025532.D
Acq: 20 Jul 2018 10:52

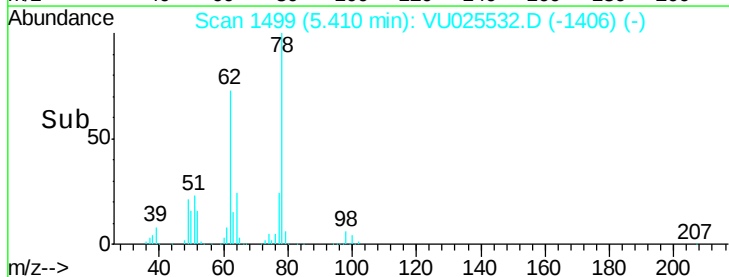
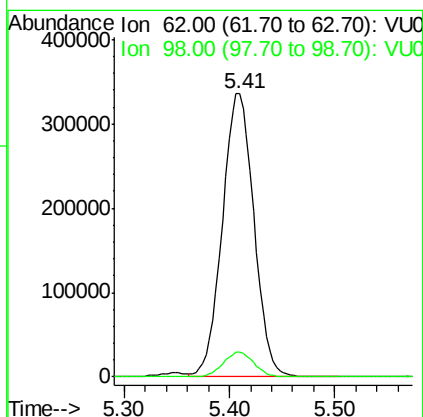
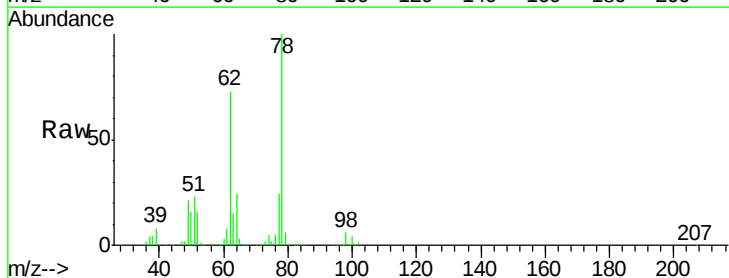
Instrument :
MSVOA_U
ClientSampleId :

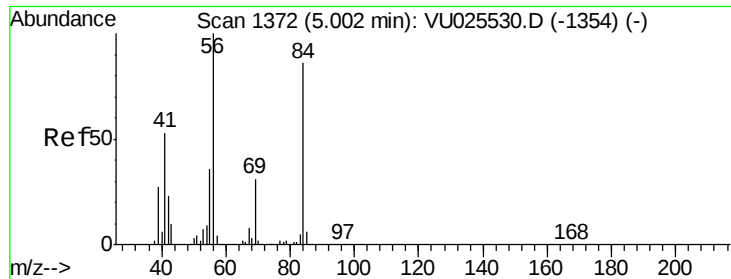
Tot Ion: 83 Resp: 857983
Ion Ratio Lower Upper
83 100
85 65.3 45.0 83.6



#27
1,2-Dichloroethane
Concen: 179.208 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU025532.D
Acq: 20 Jul 2018 10:52

Tgt Ion: 62 Resp: 695266
Ion Ratio Lower Upper
62 100
98 8.8 6.5 9.7

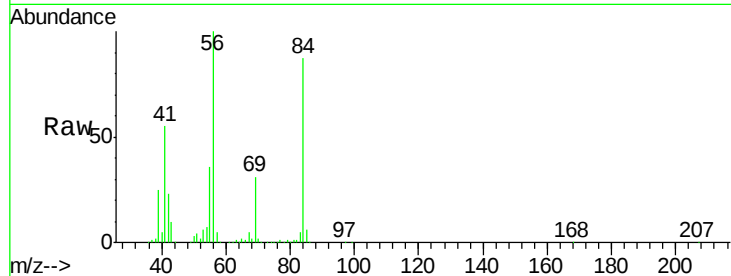




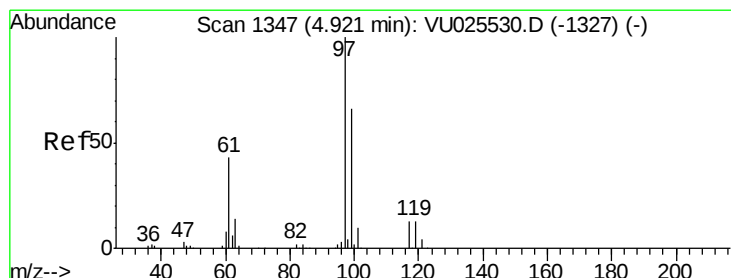
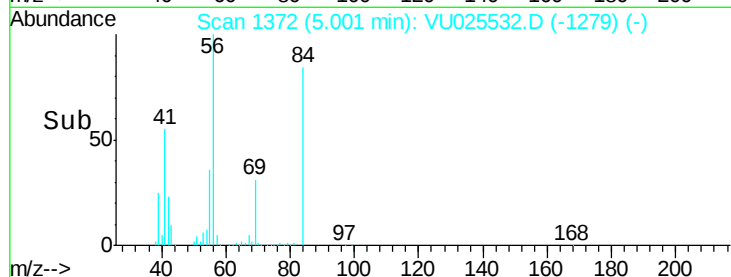
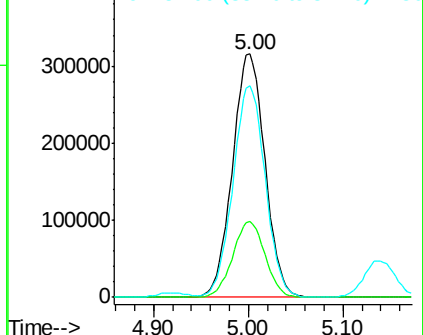
#29
Cyclohexane
Concen: 193.260 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU025532.D
Acq: 20 Jul 2018 10:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 752974
Ion Ratio Lower Upper
56 100
69 31.1 24.8 37.2
84 86.9 70.6 106.0

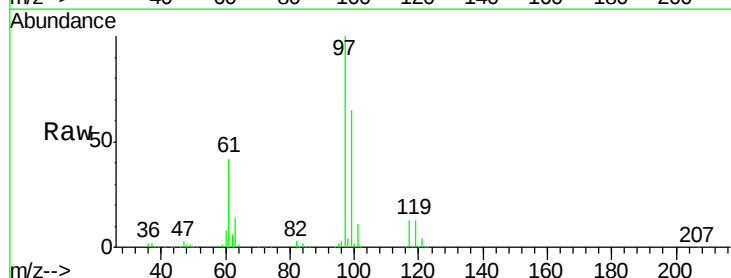


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

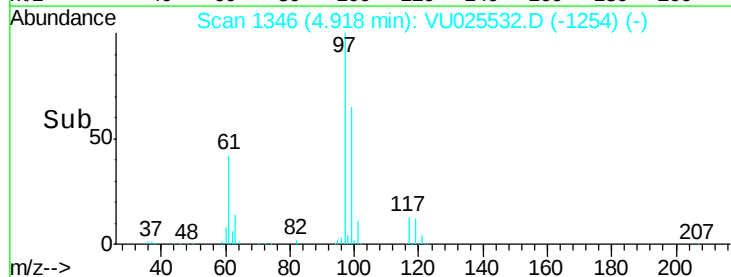
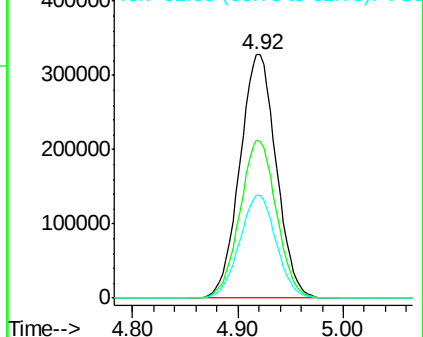


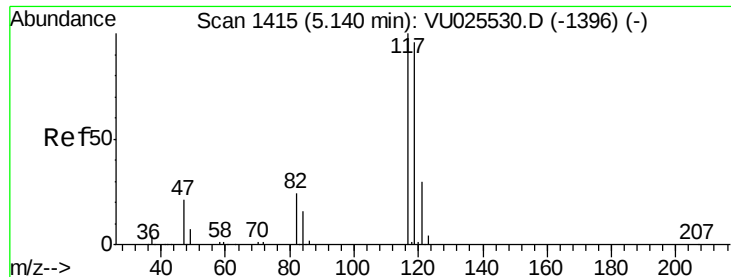
#30
1,1,1-Trichloroethane
Concen: 178.424 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025532.D
Acq: 20 Jul 2018 10:52

Tgt Ion: 97 Resp: 787581
Ion Ratio Lower Upper
97 100
99 64.8 52.4 78.6
61 42.4 34.6 52.0



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 187.786 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

Instrument :

MSVOA_U

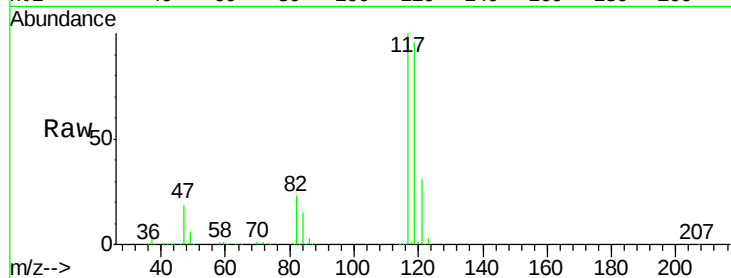
ClientSampleId :

Tot Ion:117 Resp: 731703

Ion Ratio Lower Upper

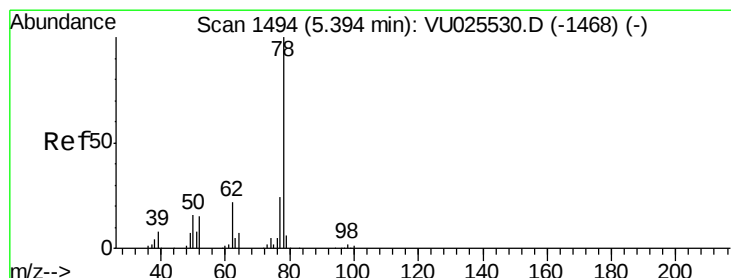
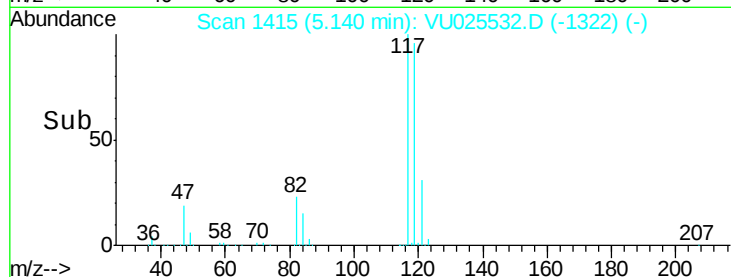
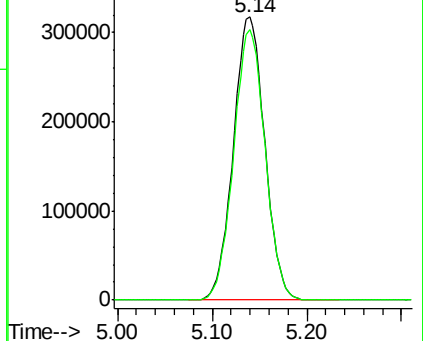
117 100

119 95.8 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: 182.635 ug/L

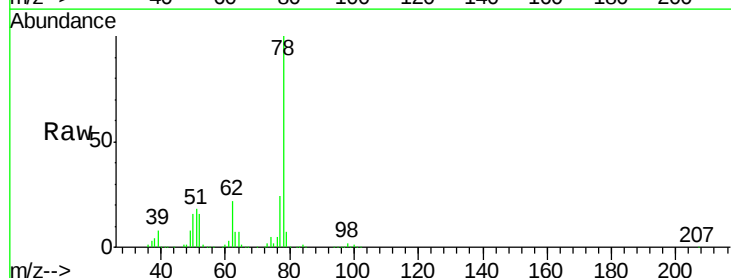
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

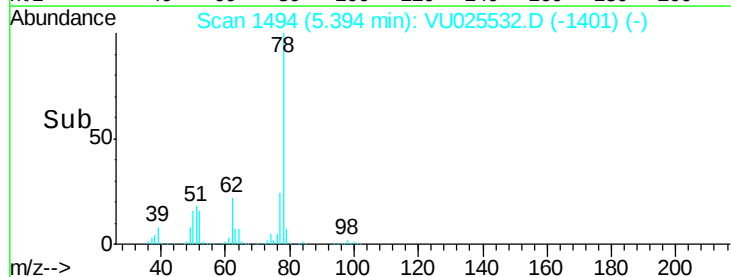
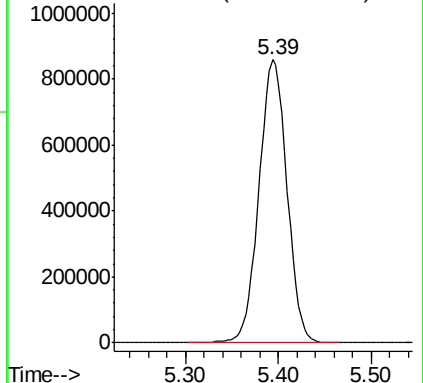
Lab File: VU025532.D

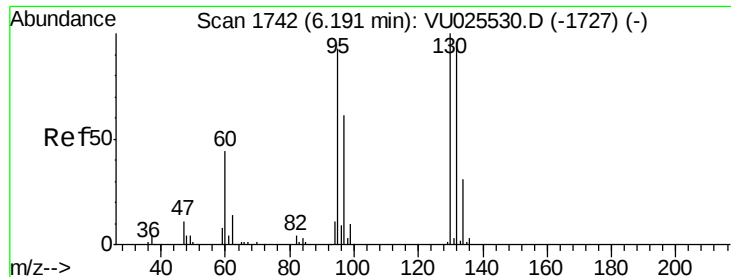
Acq: 20 Jul 2018 10:52

Tgt Ion: 78 Resp: 1803482



Abundance Ion 78.00 (77.70 to 78.70): VU0

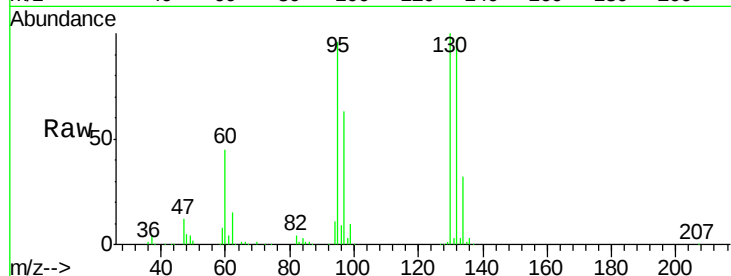




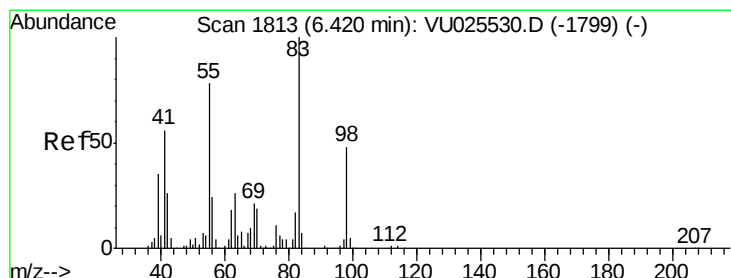
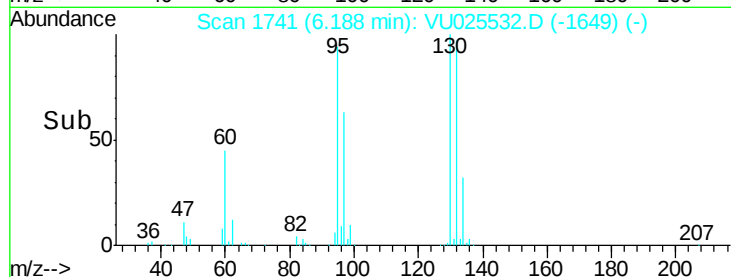
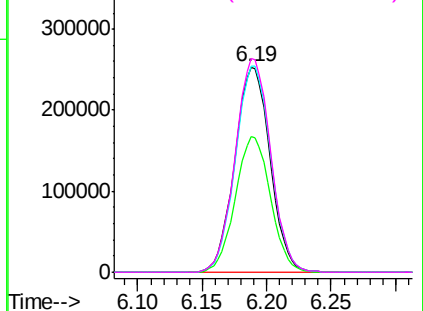
#34
 Trichloroethene
 Concen: 184.329 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU025532.D
 Acq: 20 Jul 2018 10:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	482318
Ion	Ratio	Lower	Upper
95	100		
97	66.1	45.9	85.3
132	100.7	72.2	134.2
130	104.1	74.9	139.1

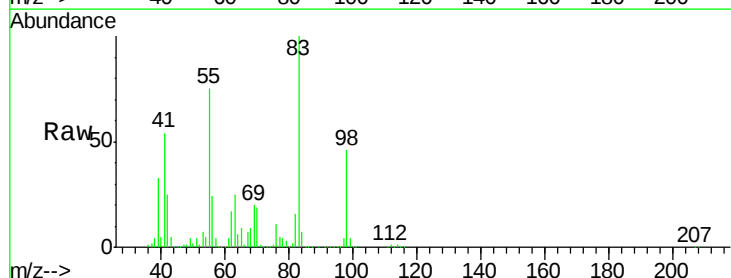


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

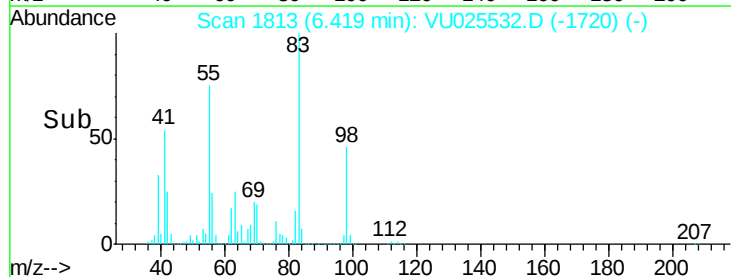
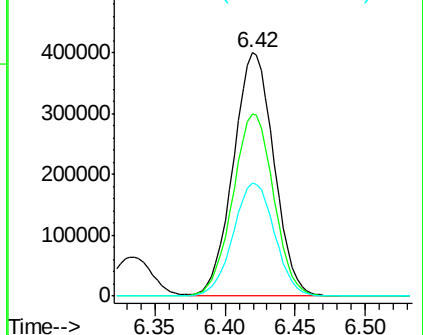


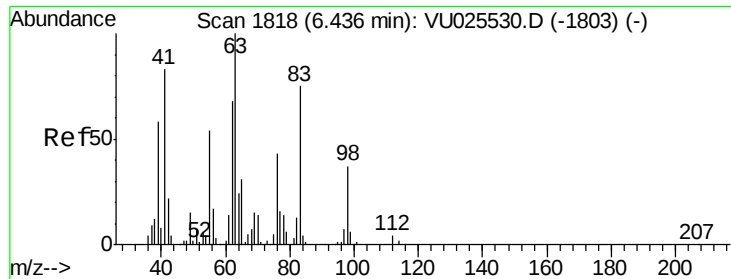
#35
 Methylcyclohexane
 Concen: 196.230 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU025532.D
 Acq: 20 Jul 2018 10:52

Tgt Ion:	83	Resp:	803915
Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.1	91.7
98	47.4	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

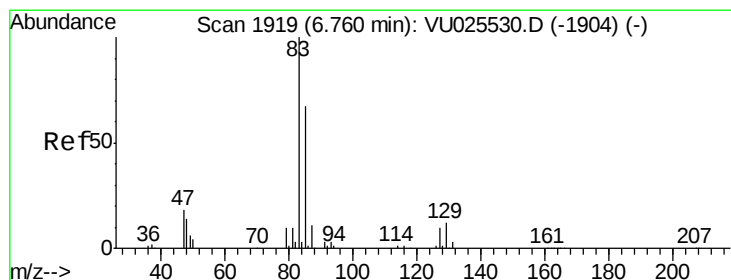
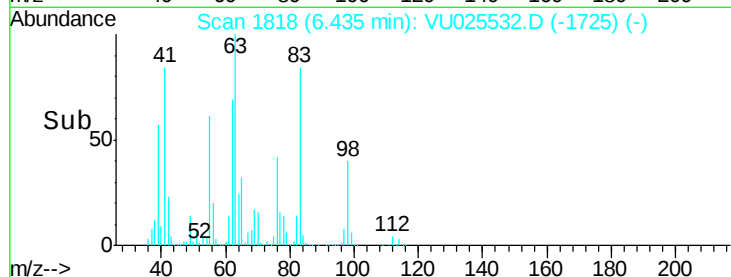
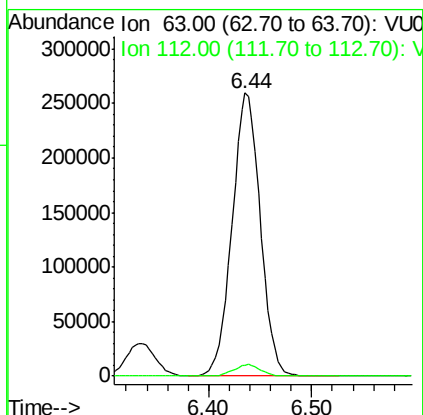
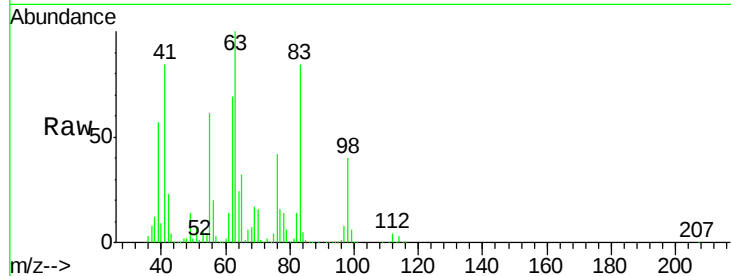




#37
 1,2-Dichloropropane
 Concen: 181.675 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025532.D
 Acq: 20 Jul 2018 10:52

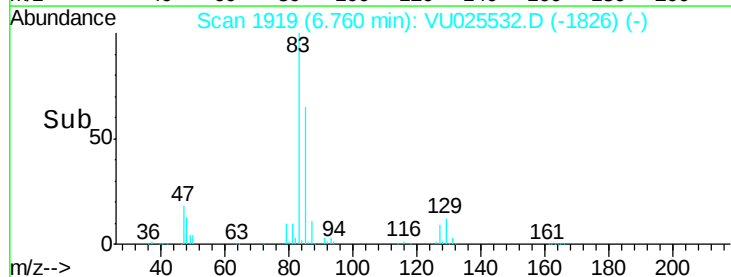
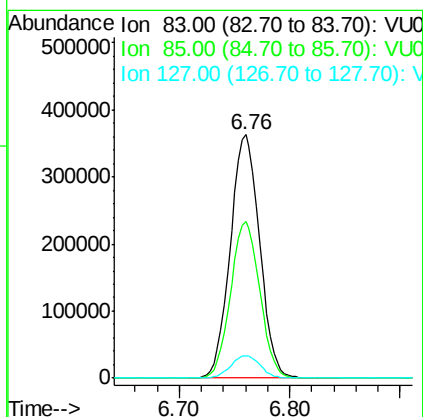
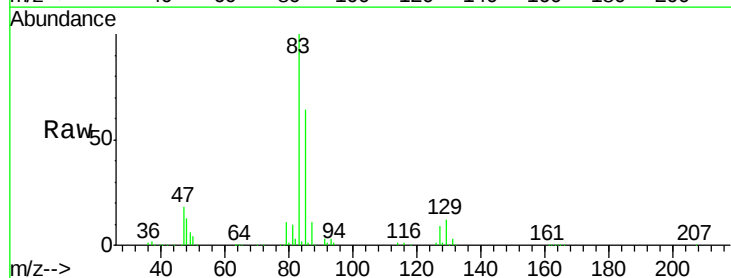
Instrument :
 MSVOA_U
 ClientSampleId :

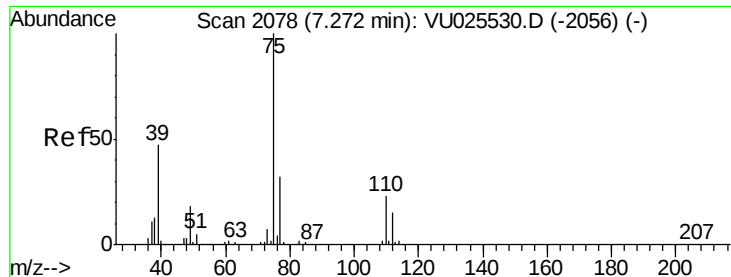
Tot Ion: 63 Resp: 492267
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.3 4.9



#38
 Bromodichloromethane
 Concen: 183.781 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU025532.D
 Acq: 20 Jul 2018 10:52

Tgt Ion: 83 Resp: 668421
 Ion Ratio Lower Upper
 83 100
 85 64.4 46.7 86.7
 127 9.3 8.0 12.0



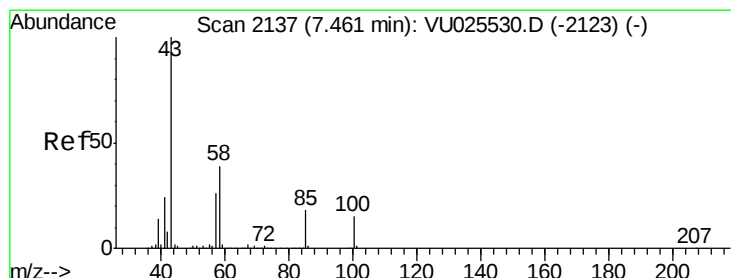
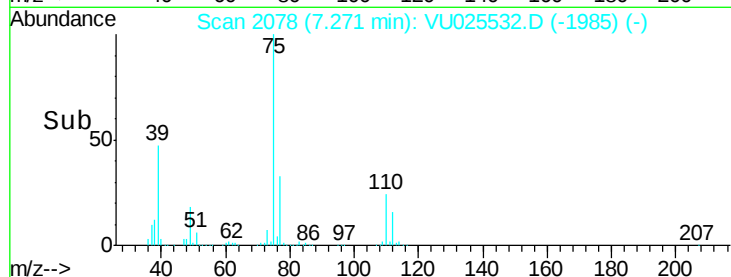
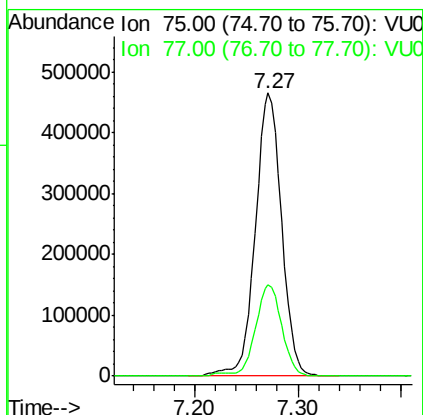
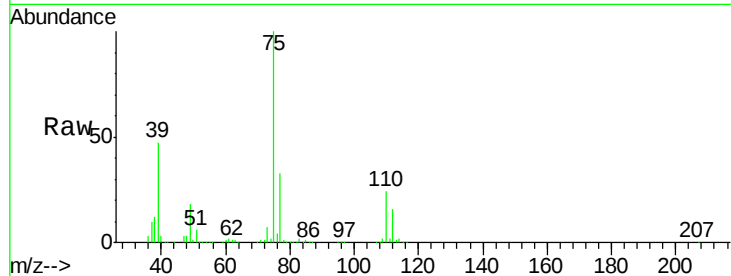


#39

cis-1,3-Dichloropropene
 Concen: 194.529 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU025532.D
 Acq: 20 Jul 2018 10:52

Instrument :
 MSVOA_U
 ClientSampled :

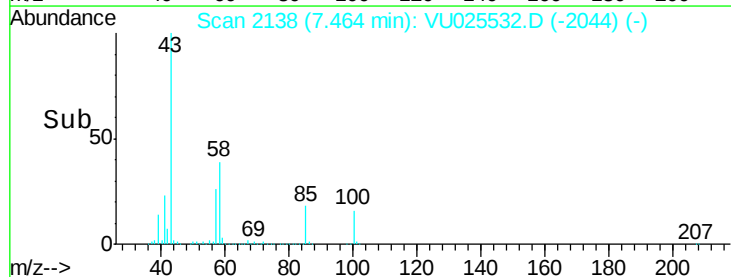
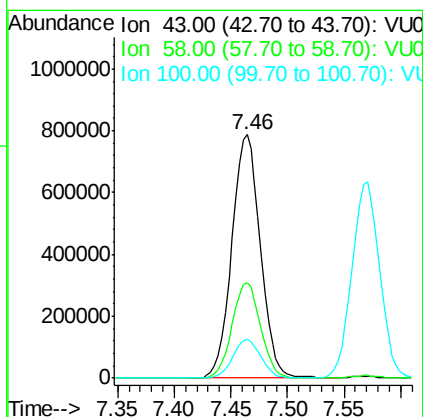
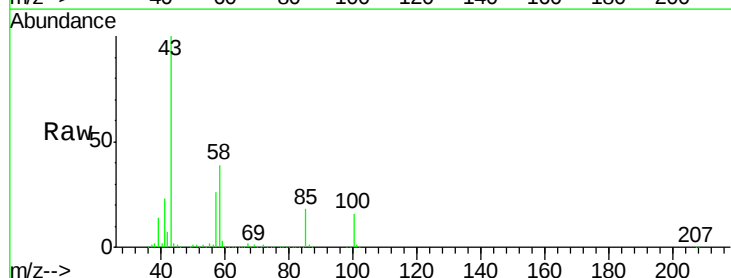
Tot Ion: 75 Resp: 817756
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.0 41.0

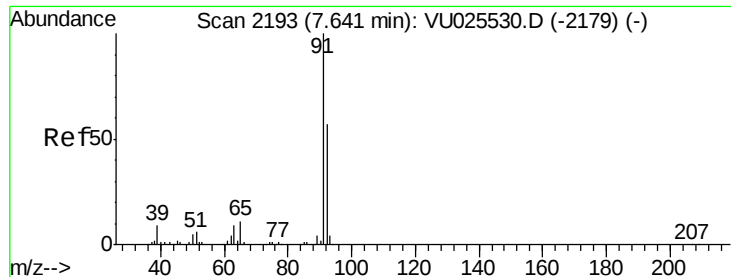


#40

4-Methyl-2-pentanone
 Concen: 355.995 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025532.D
 Acq: 20 Jul 2018 10:52

Tgt Ion: 43 Resp: 1381205
 Ion Ratio Lower Upper
 43 100
 58 39.2 30.8 46.2
 100 15.6 12.1 18.1





#42

Toluene

Concen: 189.860 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

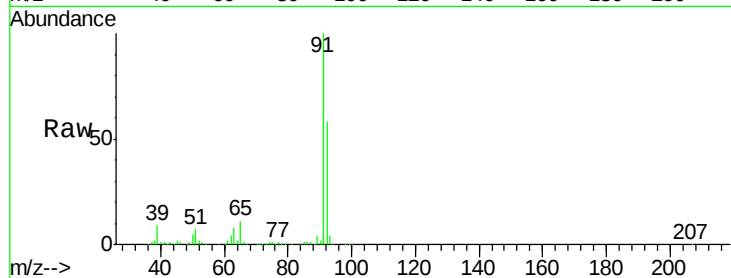
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 2009804

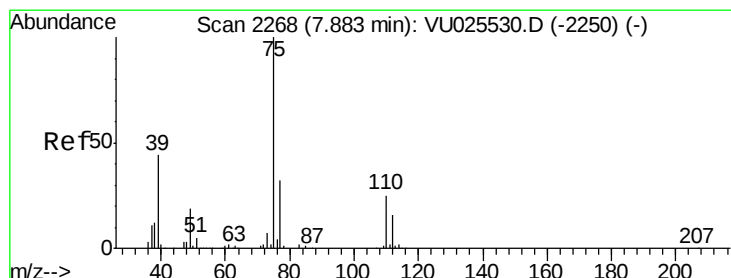
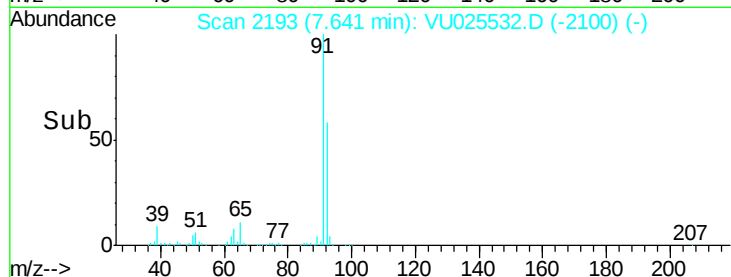
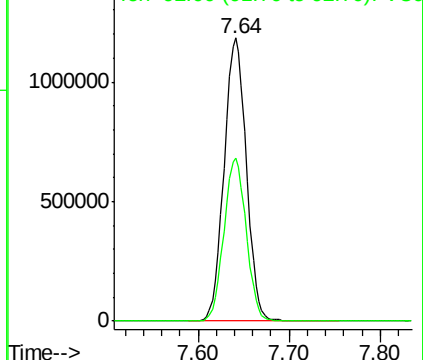
Ion Ratio Lower Upper

91 100

92 57.7 40.0 74.2



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 194.775 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025532.D

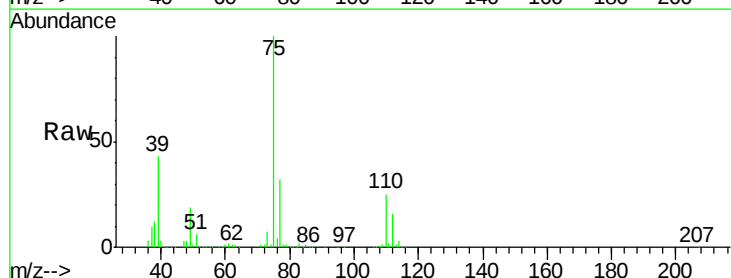
Acq: 20 Jul 2018 10:52

Tgt Ion: 75 Resp: 783815

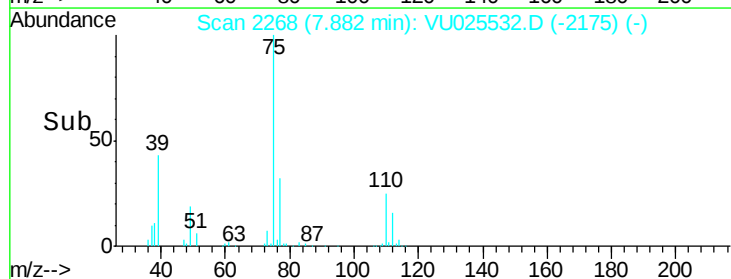
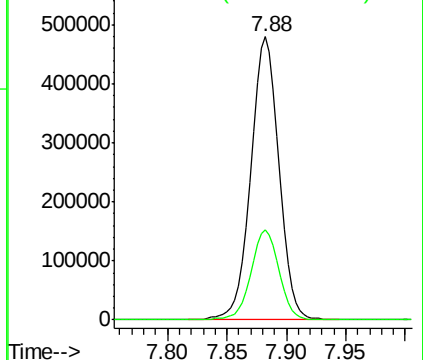
Ion Ratio Lower Upper

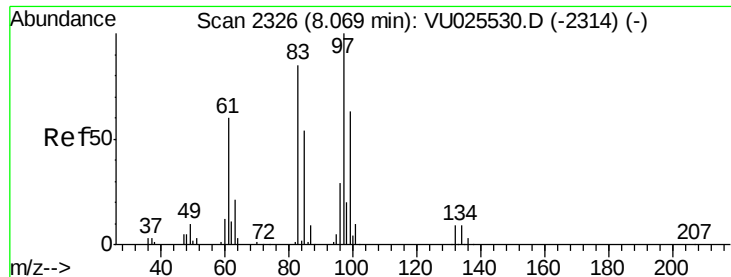
75 100

77 31.8 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

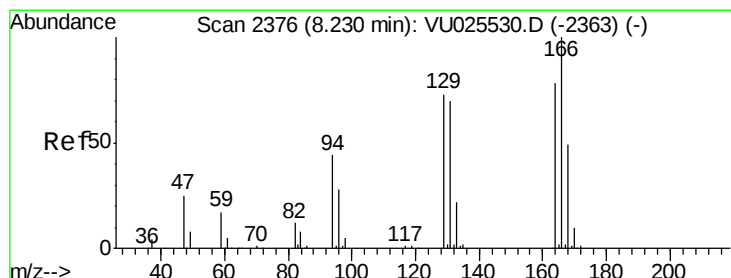
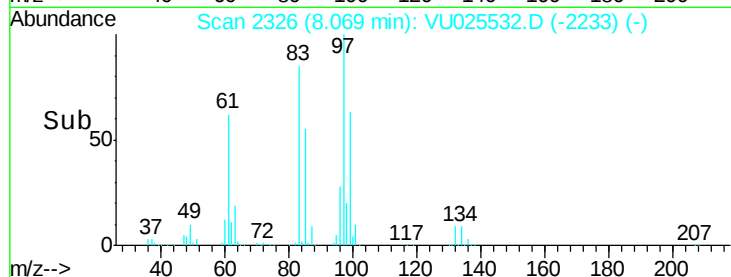
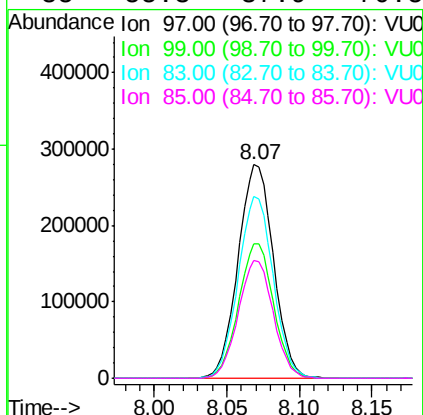
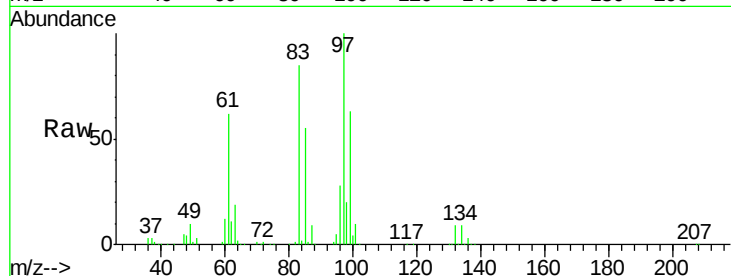




#45
 1,1,2-Trichloroethane
 Concen: 184.249 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025532.D
 Acq: 20 Jul 2018 10:52

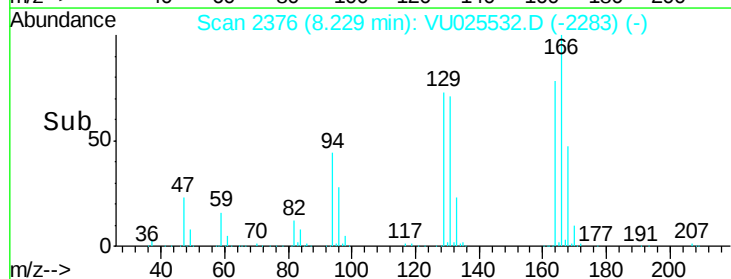
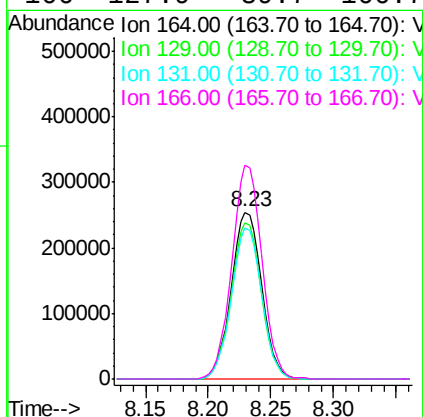
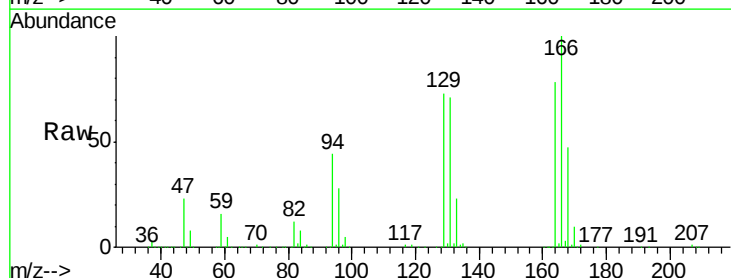
Instrument :
 MSVOA_U
 ClientSampleId :

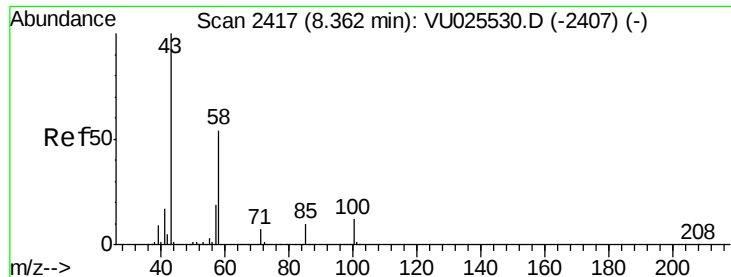
Tot Ion:	97	Resp:	474429
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.3	82.3
83	85.0	59.8	111.1
85	55.3	37.9	70.5



#46
 Tetrachloroethene
 Concen: 192.169 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU025532.D
 Acq: 20 Jul 2018 10:52

Tgt Ion:	164	Resp:	429197
Ion	Ratio	Lower	Upper
164	100		
129	93.5	65.1	120.9
131	90.3	62.8	116.6
166	127.9	89.7	166.7

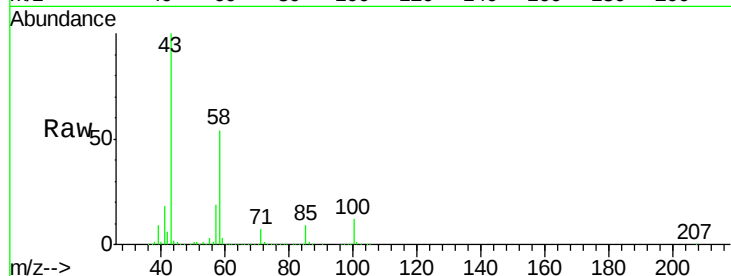




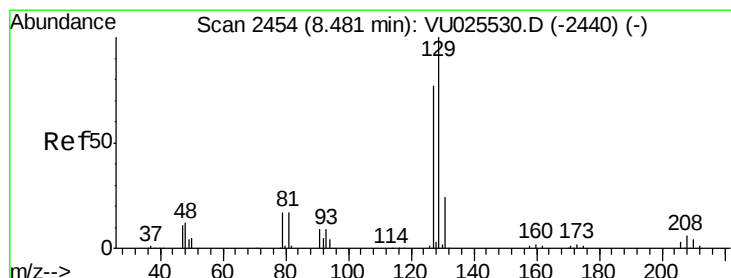
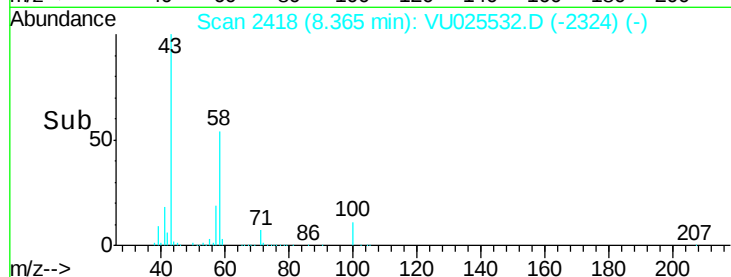
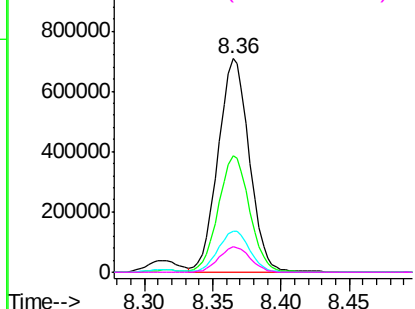
#48
2-Hexanone
Concen: 360.223 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025532.D
Acq: 20 Jul 2018 10:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1125303
Ion Ratio Lower Upper
43 100
58 54.8 42.9 64.3
57 19.5 15.4 23.2
100 12.0 9.6 14.4

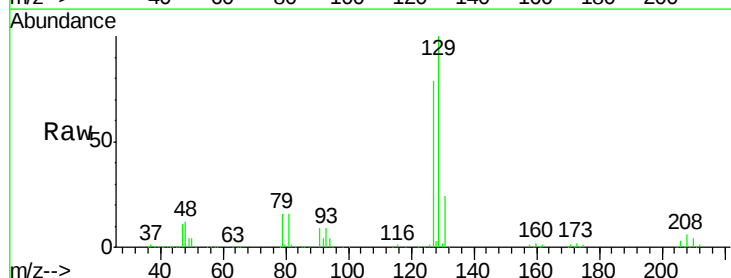


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

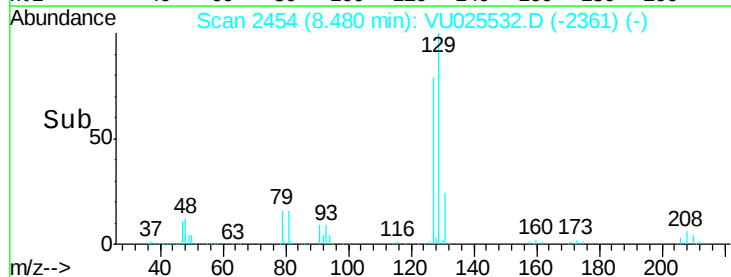
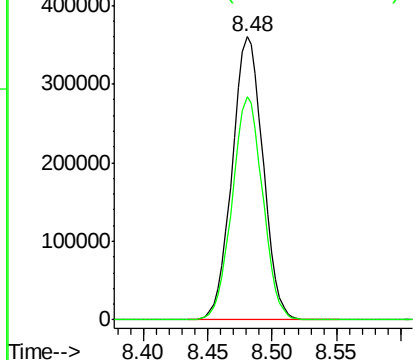


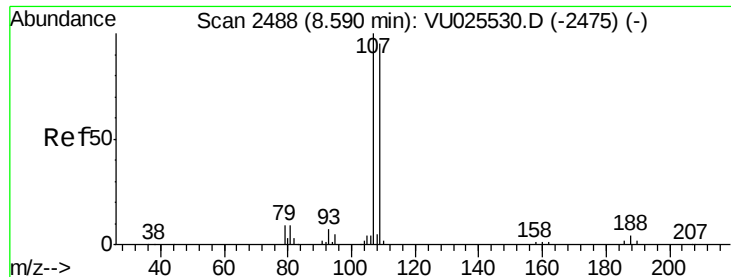
#49
Dibromochloromethane
Concen: 192.634 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025532.D
Acq: 20 Jul 2018 10:52

Tgt Ion:129 Resp: 598662
Ion Ratio Lower Upper
129 100
127 78.7 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 184.685 ug/L

RT: 8.59 min Scan# 2488

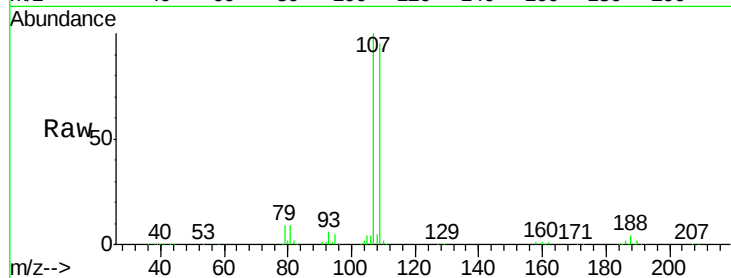
Delta R.T. -0.00 min

Lab File: VU025532.D

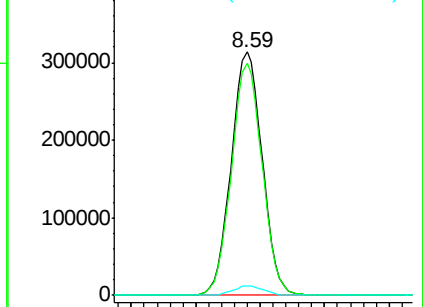
Acq: 20 Jul 2018 10:52

Instrument :
MSVOA_U
ClientSampleId :

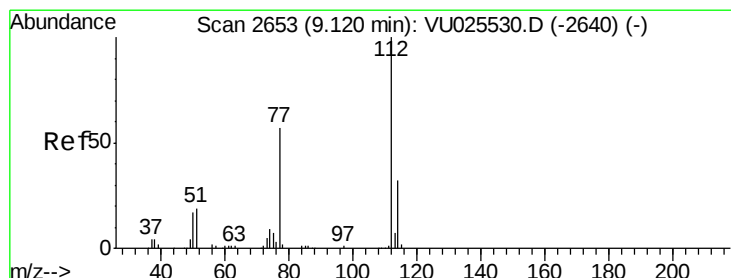
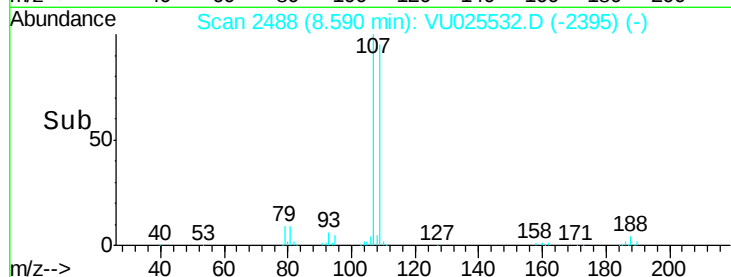
Tot Ion:107	Resp:	522553
Ion Ratio	Lower	Upper
107	100	
109	95.4	66.6 123.8
188	3.9	3.2 4.8



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



Time-->



#51

Chlorobenzene

Concen: 191.455 ug/L

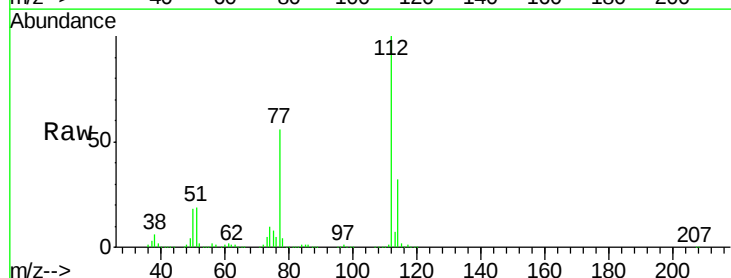
RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

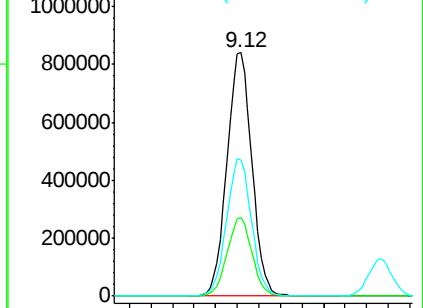
Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

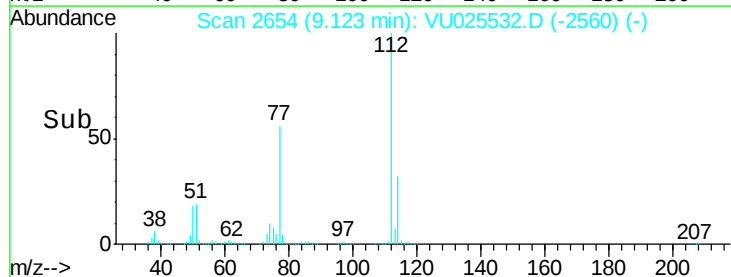
Tgt Ion:112	Resp:	1357817
Ion Ratio	Lower	Upper
112	100	
114	32.1	22.5 41.9
77	56.1	45.8 68.8

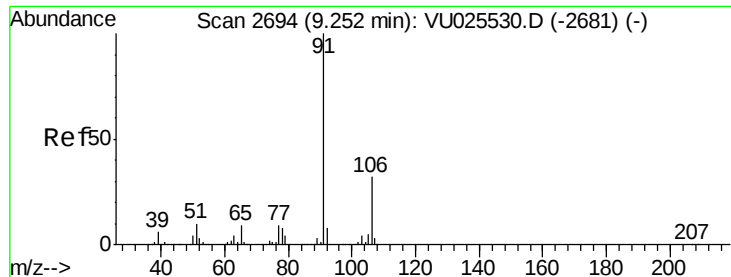


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V



Time-->





#52

Ethylbenzene

Concen: 194.120 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

Instrument :

MSVOA_U

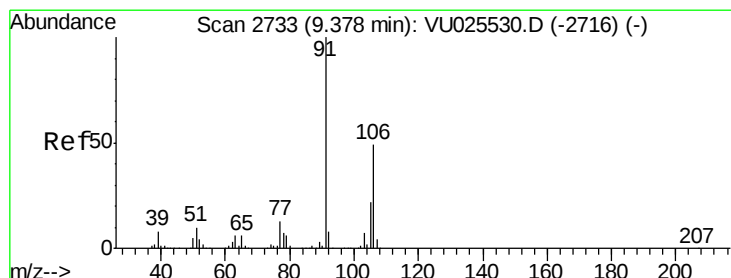
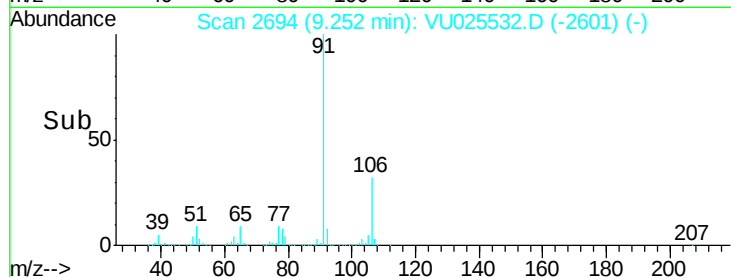
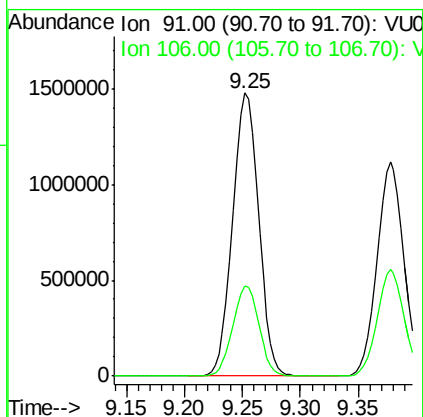
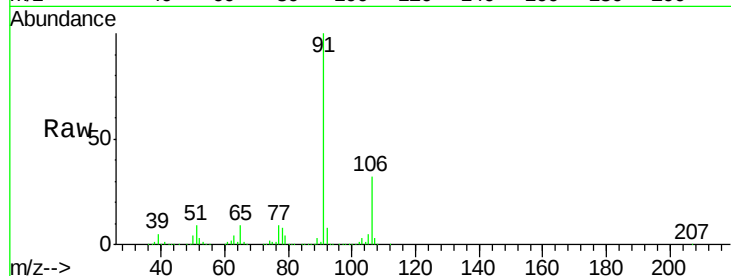
ClientSampleId :

Tot Ion: 91 Resp: 2295202

Ion Ratio Lower Upper

91 100

106 31.8 22.3 41.5



#53

m,p-Xylene

Concen: 197.376 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025532.D

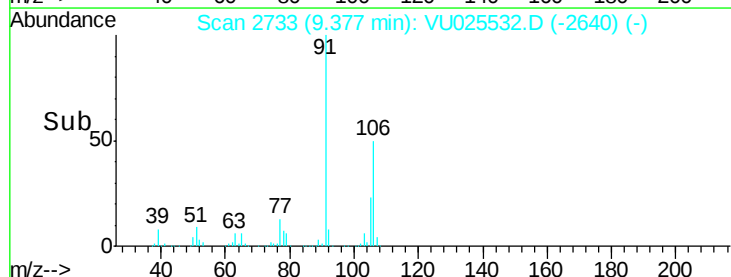
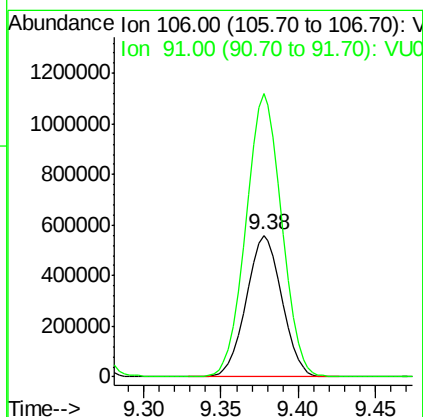
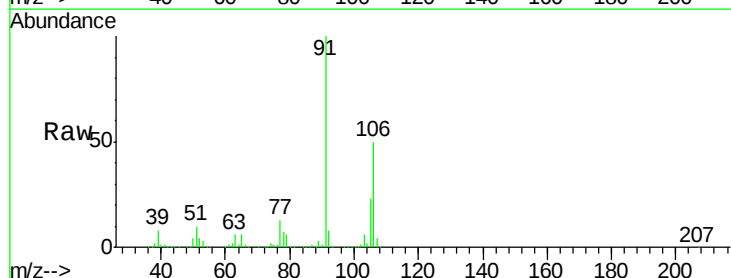
Acq: 20 Jul 2018 10:52

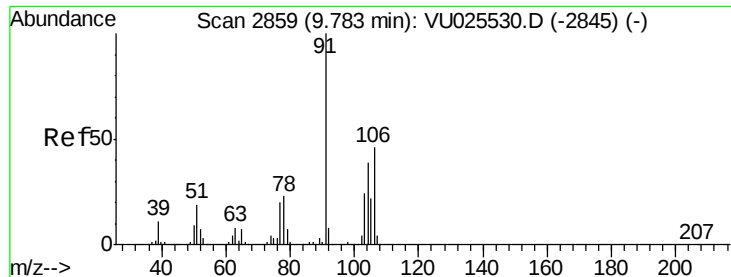
Tgt Ion:106 Resp: 897132

Ion Ratio Lower Upper

106 100

91 200.3 141.7 263.3

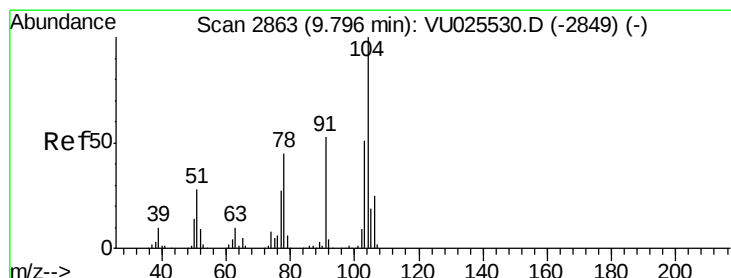
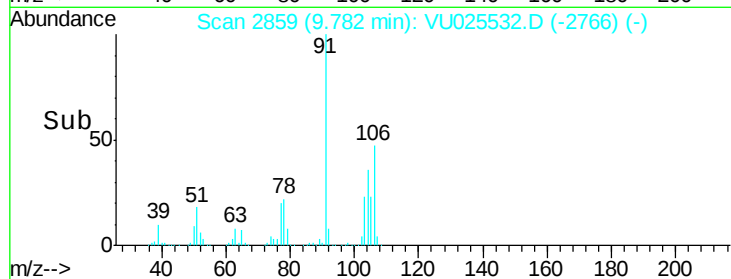
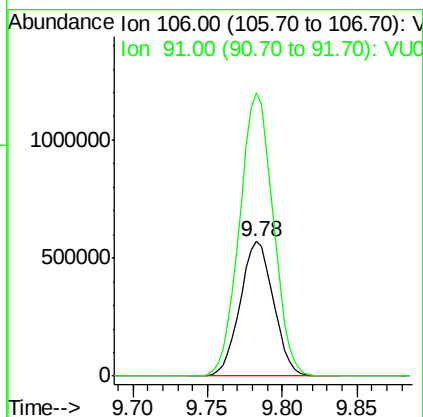
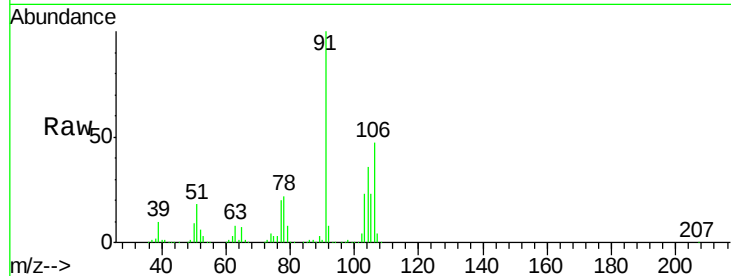




#54
o-xylene
Concen: 194.425 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025532.D
Acq: 20 Jul 2018 10:52

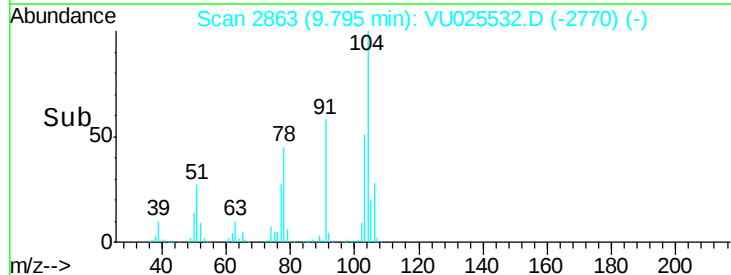
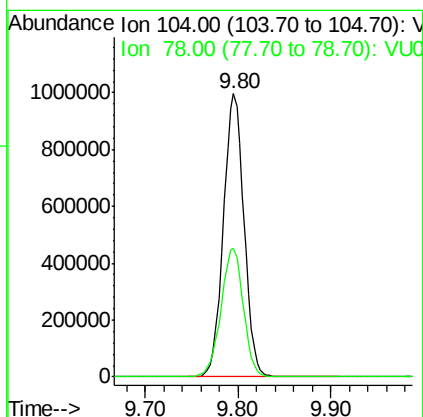
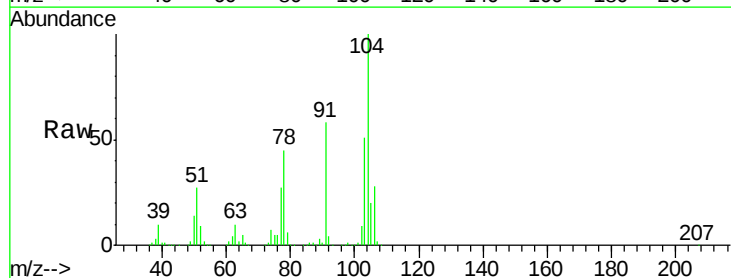
Instrument :
MSVOA_U
ClientSampleId :

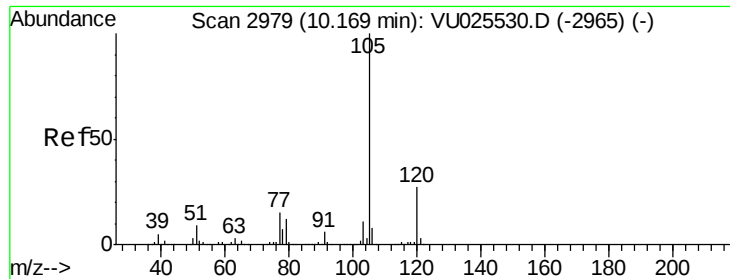
Tot Ion:106 Resp: 888019
Ion Ratio Lower Upper
106 100
91 210.8 150.6 279.6



#55
Styrene
Concen: 203.325 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025532.D
Acq: 20 Jul 2018 10:52

Tgt Ion:104 Resp: 1532694
Ion Ratio Lower Upper
104 100
78 45.4 31.8 59.0





#56

Isopropylbenzene

Concen: 198.173 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampleId :

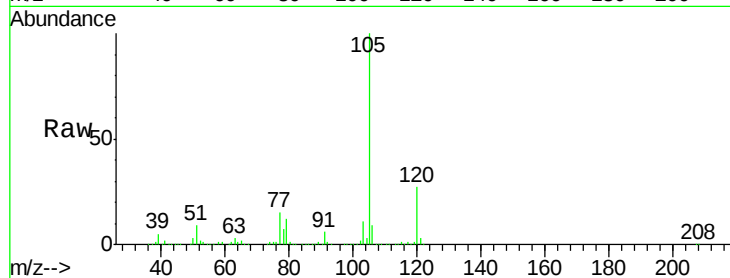
Tot Ion:105 Resp: 2352597

Ion Ratio Lower Upper

105 100

120 27.1 21.7 32.5

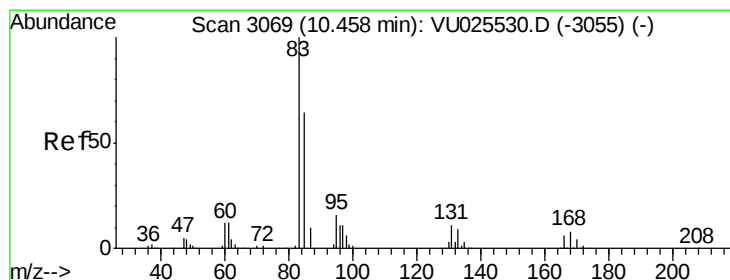
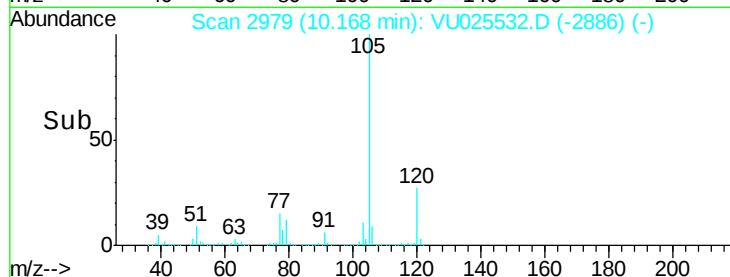
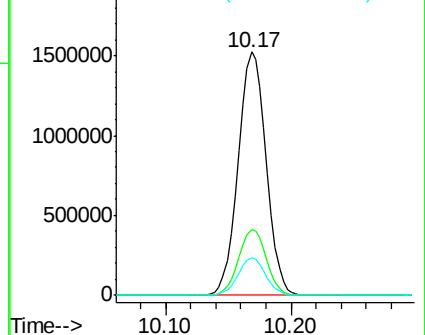
77 15.2 12.4 18.6



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: 183.148 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

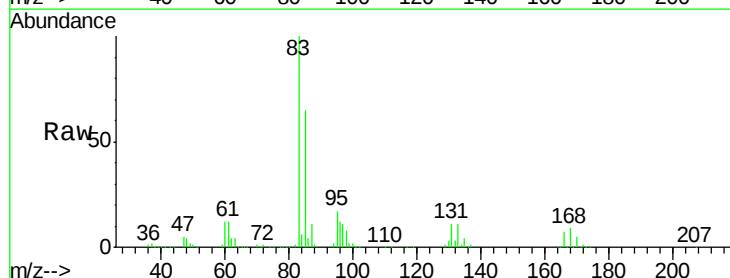
Tgt Ion: 83 Resp: 806761

Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.7

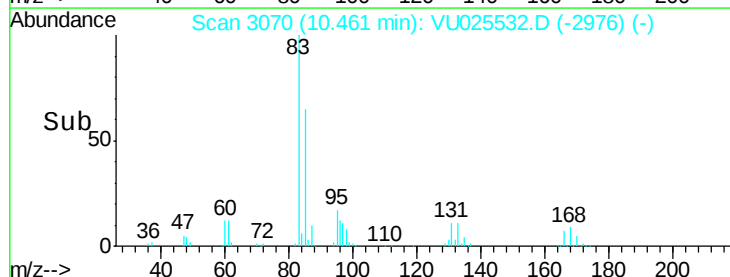
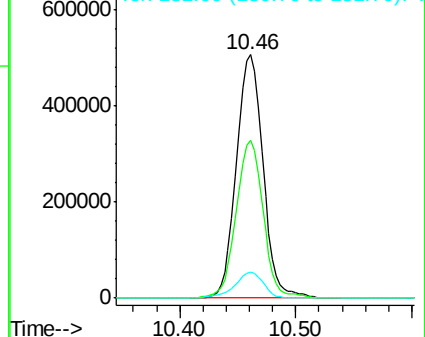
131 10.9 8.7 13.1

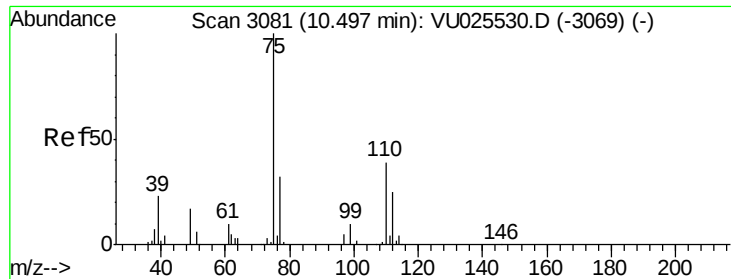


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

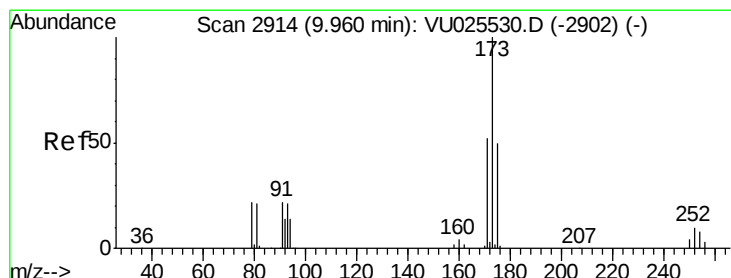
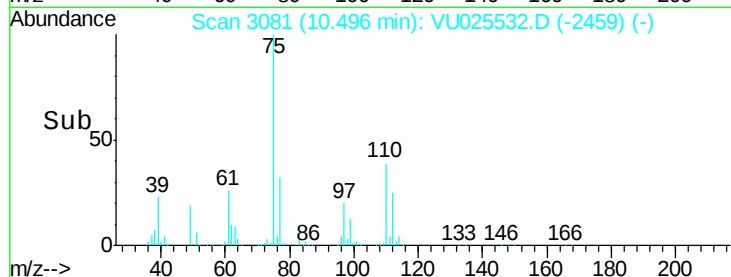
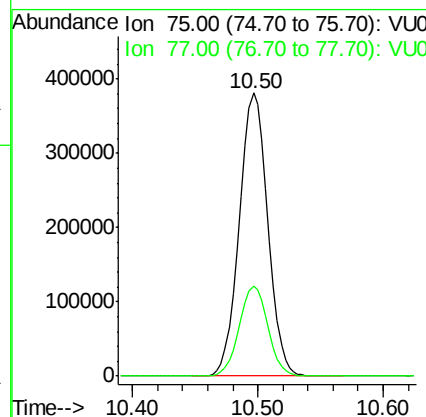
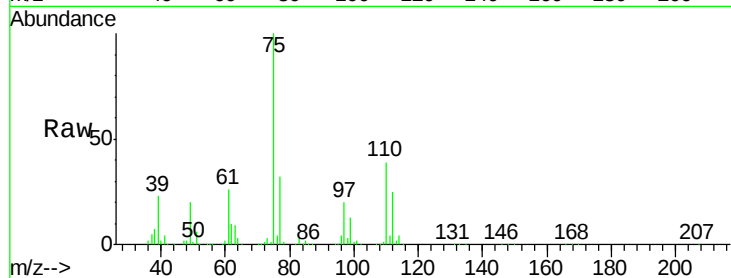




#59
 1,2,3-Trichloropropane
 Concen: 169.257 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU025532.D
 Acq: 20 Jul 2018 10:52

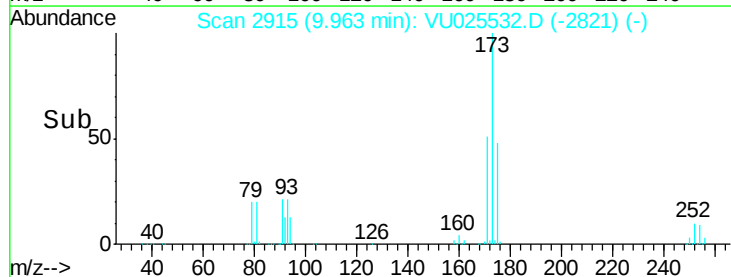
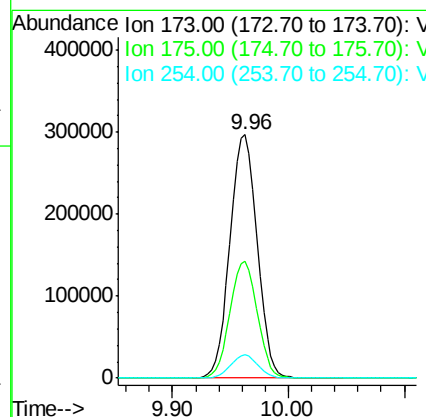
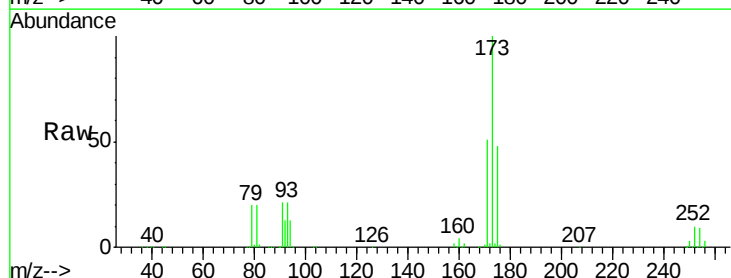
Instrument :
 MSVOA_U
 ClientSampleId :

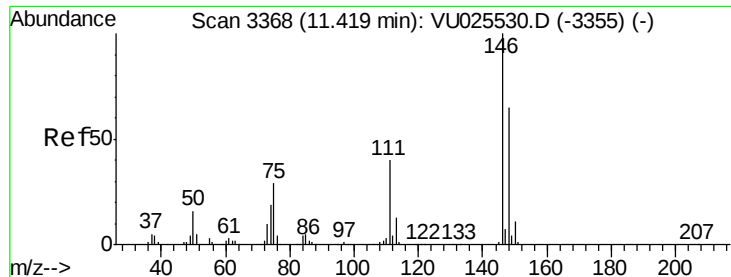
Tot Ion: 75 Resp: 599558
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.8 38.8



#61
 Bromoform
 Concen: 183.511 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU025532.D
 Acq: 20 Jul 2018 10:52

Tgt Ion:173 Resp: 480620
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.8 59.8
 254 9.5 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 185.435 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampled :

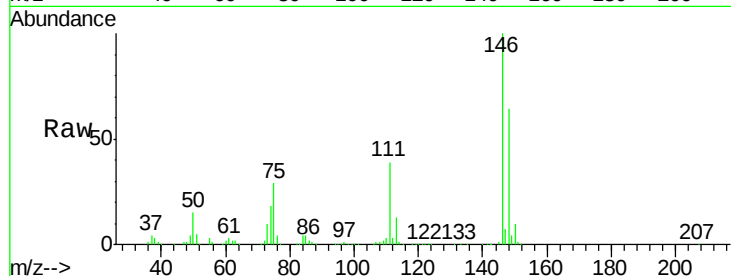
Tot Ion:146 Resp: 1170629

Ion	Ratio	Lower	Upper
146	100		
111	39.4	27.7	51.5
148	64.0	45.5	84.5

146 100

111 39.4 27.7 51.5

148 64.0 45.5 84.5

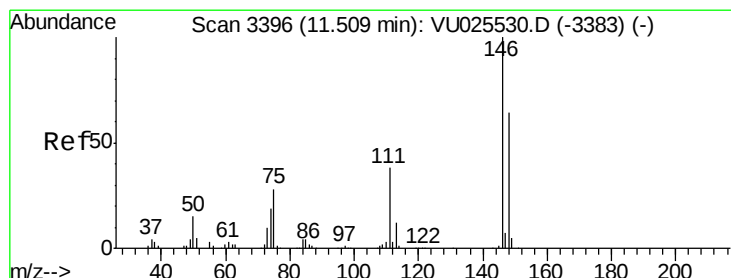
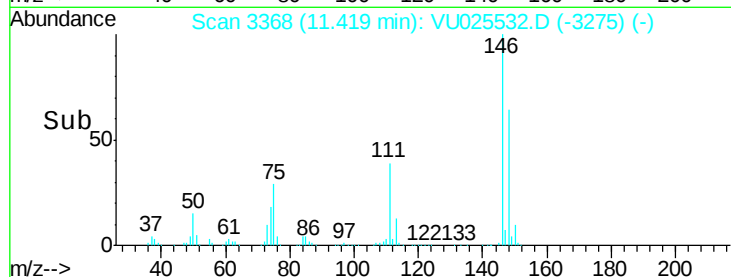
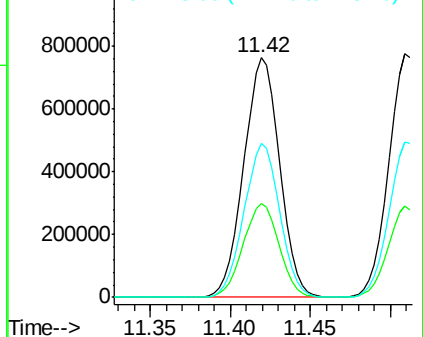


Abundance

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: 185.874 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

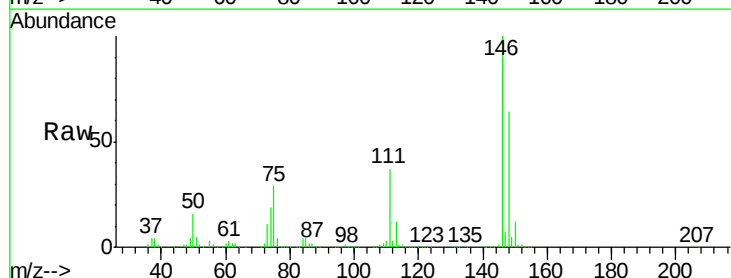
Tgt Ion:146 Resp: 1189751

Ion	Ratio	Lower	Upper
146	100		
111	37.4	26.9	49.9
148	63.7	44.6	82.8

146 100

111 37.4 26.9 49.9

148 63.7 44.6 82.8

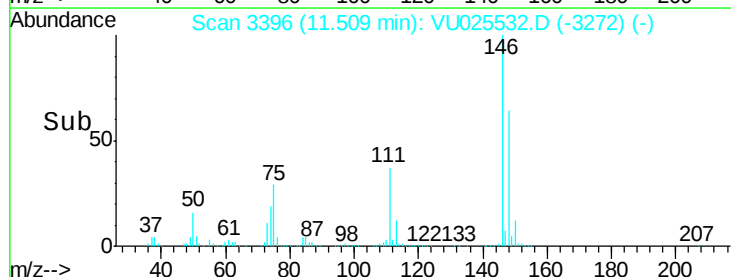
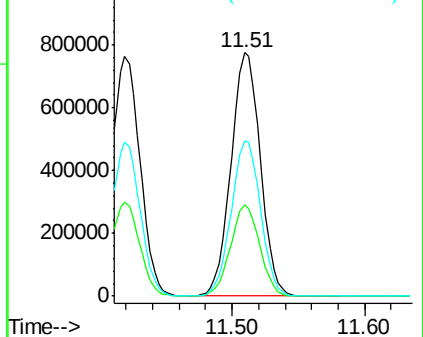


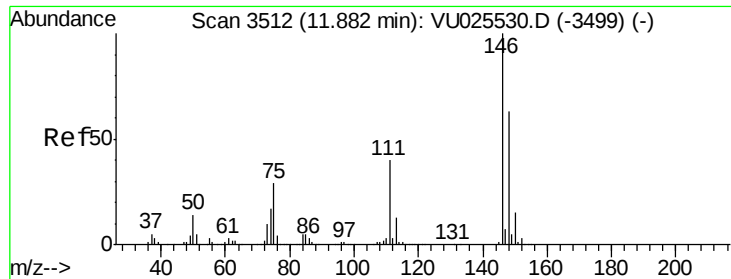
Abundance

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



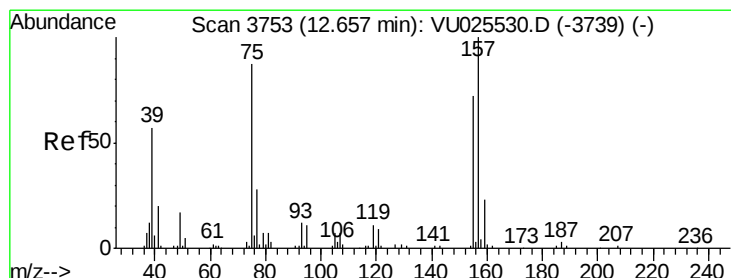
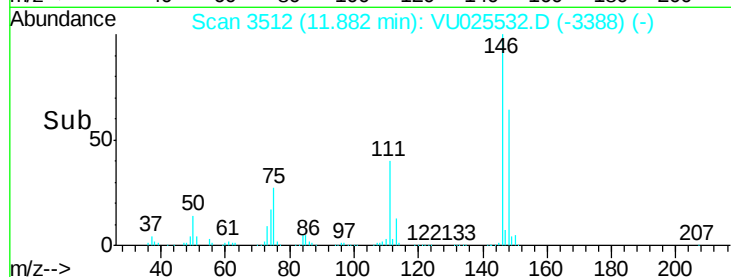
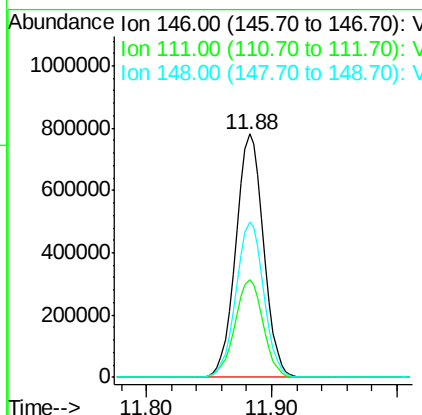
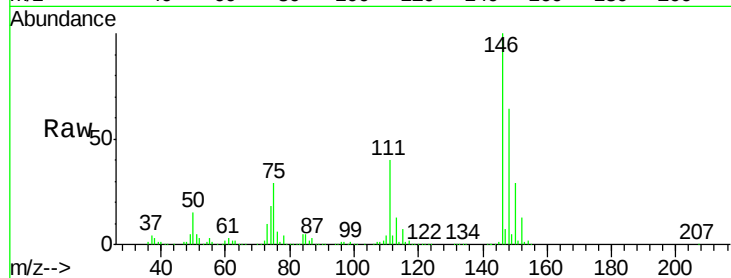


#65
 1,2-Dichlorobenzene
 Concen: 180.129 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025532.D
 Acq: 20 Jul 2018 10:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 1197497

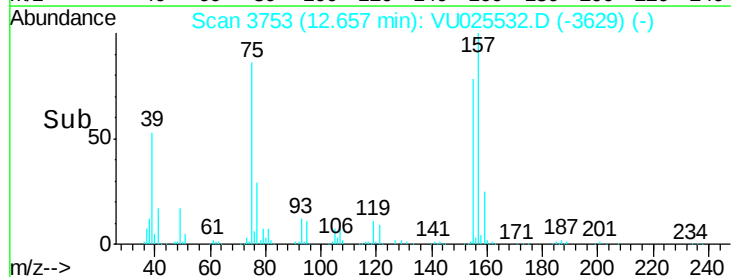
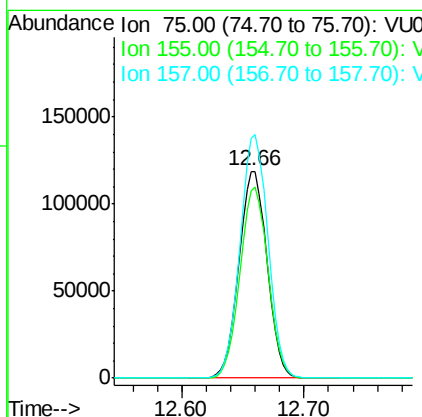
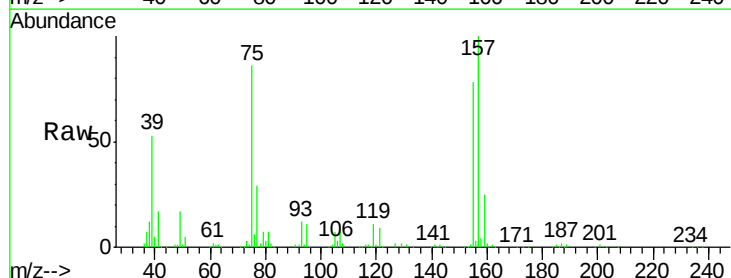
Ion	Ratio	Lower	Upper
146	100		
111	40.0	32.4	48.6
148	63.8	50.7	76.1

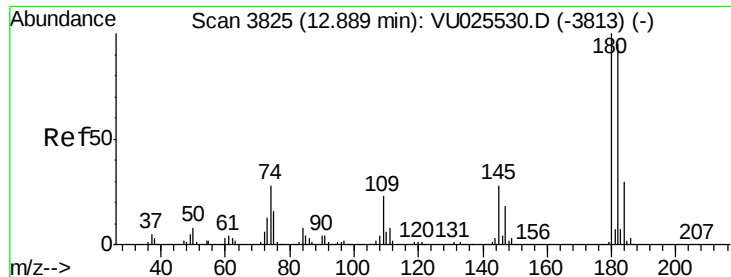


#66
 1,2-Dibromo-3-chloropropane
 Concen: 157.820 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU025532.D
 Acq: 20 Jul 2018 10:52

Tgt Ion: 75 Resp: 188669

Ion	Ratio	Lower	Upper
75	100		
155	90.4	66.3	99.5
157	116.1	91.5	137.3

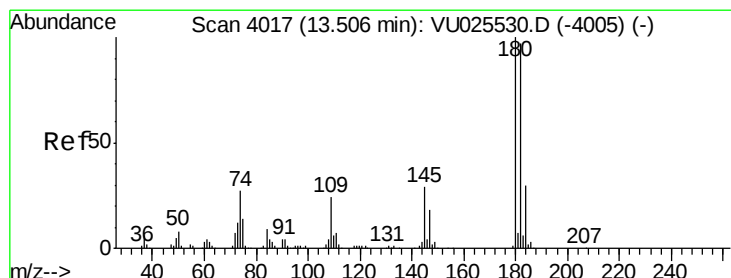
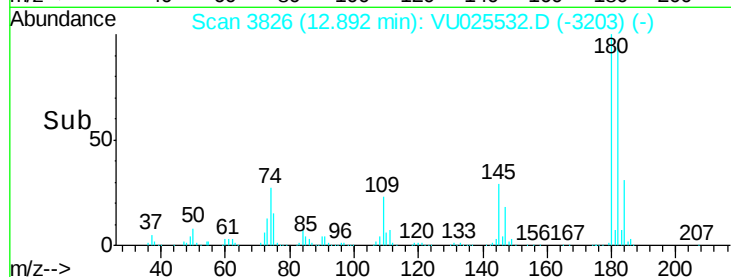
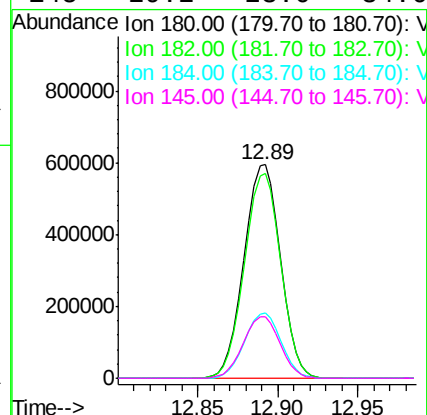
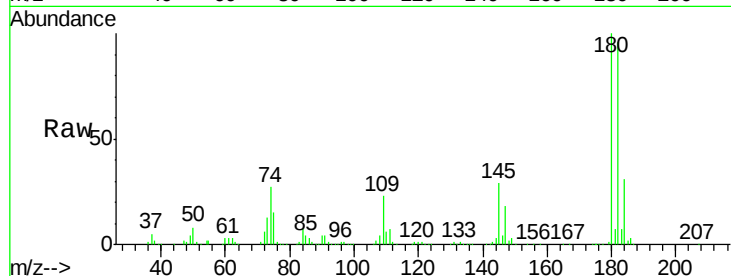




#67
 1,3,5-Trichlorobenzene
 Concen: 187.293 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU025532.D
 Acq: 20 Jul 2018 10:52

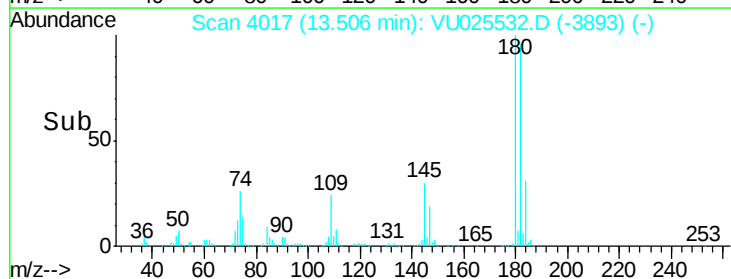
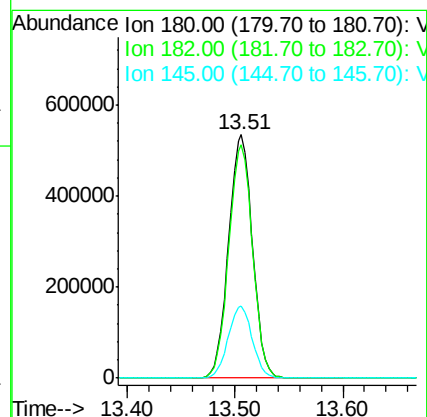
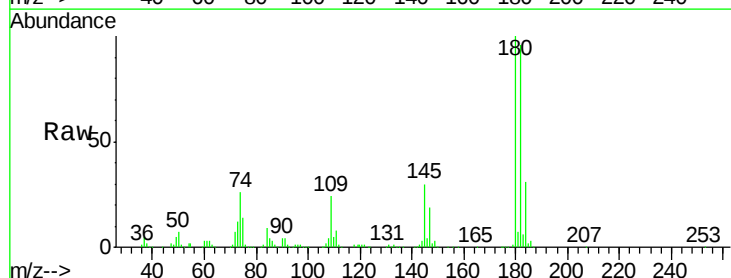
Instrument :
 MSVOA_U
 ClientSampleId :

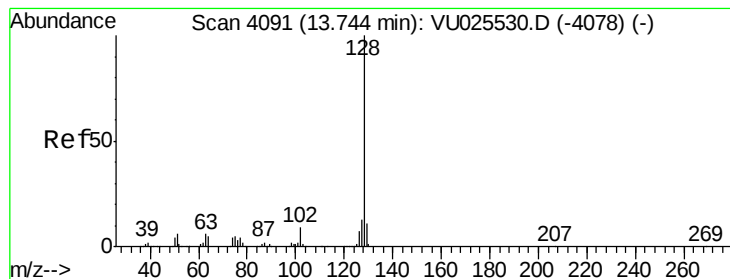
Tot Ion:	180	Resp:	921592
Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.3	115.9
184	30.7	24.6	36.8
145	29.2	23.0	34.6



#68
 1,2,4-trichlorobenzene
 Concen: 190.168 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025532.D
 Acq: 20 Jul 2018 10:52

Tgt Ion:	180	Resp:	825167
Ion	Ratio	Lower	Upper
180	100		
182	95.6	78.1	117.1
145	29.8	23.4	35.2





#69

Naphthalene

Concen: 173.789 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampleId :

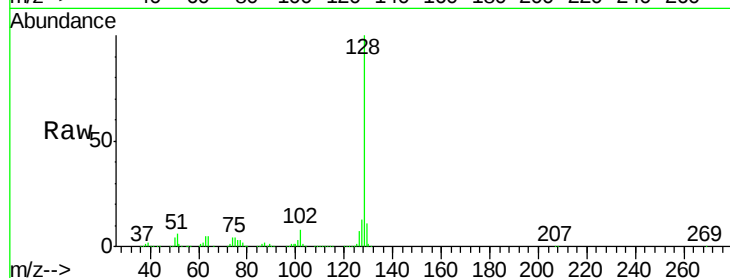
Tot Ion:128 Resp: 2515063

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

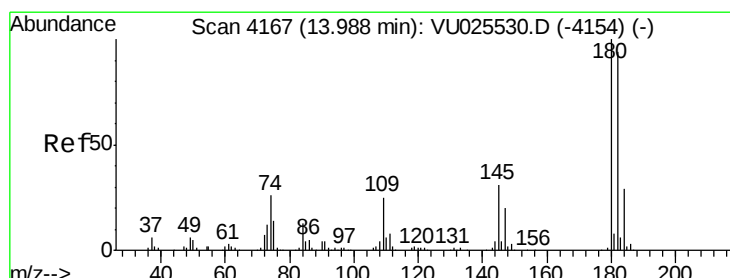
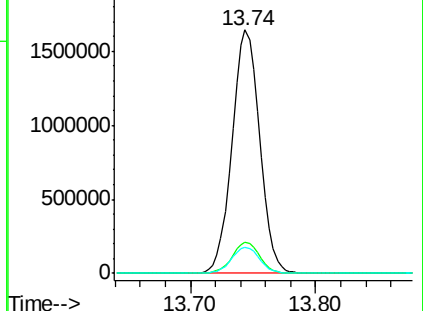
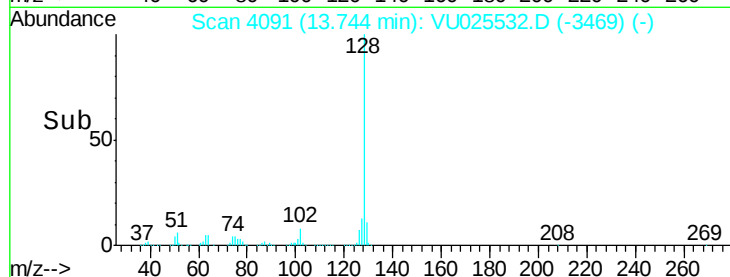
129 10.9 8.4 12.6



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: 182.490 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025532.D

Acq: 20 Jul 2018 10:52

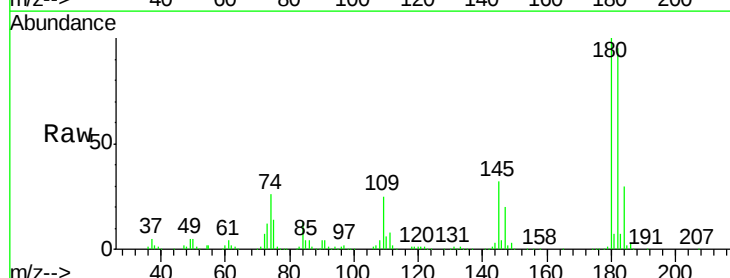
Tgt Ion:180 Resp: 843152

Ion Ratio Lower Upper

180 100

182 95.4 76.6 114.8

145 31.5 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

