

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037658.D
 Acq On : 10 Apr 2020 07:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 10 08:40:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 10 08:38:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	517200	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	493807	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	239903	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	204916	45.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.64%
7) Chloroethane-d5	1.93	69	165775	45.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.74%
11) 1,1-Dichloroethene-d2	2.59	63	344854	46.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.60%
21) 2-Butanone-d5	4.66	46	364526	99.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.51%
24) Chloroform-d	5.10	84	325819	47.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.90%
26) 1,2-Dichloroethane-d4	5.74	65	226370	49.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.08%
32) Benzene-d6	5.76	84	680815	46.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.72%
36) 1,2-Dichloropropane-d6	6.72	67	229914	47.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.08%
41) Toluene-d8	7.92	98	618602	45.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.86%
43) trans-1,3-Dichloropropene-	8.20	79	115079	44.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.04%
47) 2-Hexanone-d5	8.65	63	271191	97.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.95%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	325679	47.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.36%
64) 1,2-Dichlorobenzene-d4	12.20	152	227823	45.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.26%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	200184	49.410	ug/L 98
3) Chloromethane	1.54	50	240422	50.740	ug/L 99
5) Vinyl chloride	1.62	62	247951	50.004	ug/L 100
6) Bromomethane	1.87	94	123414	47.290	ug/L 99
8) Chloroethane	1.95	64	146565	49.789	ug/L 99
9) Trichlorofluoromethane	2.16	101	267585	49.970	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	151708	46.532	ug/L 99
12) 1,1-Dichloroethene	2.60	96	156457	47.321	ug/L 92
13) Acetone	2.65	43	219364	101.393	ug/L 98
14) Carbon disulfide	2.82	76	526294	46.467	ug/L 99
15) Methyl Acetate	2.98	43	266972	51.891	ug/L 98
16) Methylene chloride	3.08	84	186300	49.322	ug/L 94
17) trans-1,2-Dichloroethene	3.39	96	169485	47.783	ug/L 96
18) Methyl tert-butyl Ether	3.40	73	618920	50.548	ug/L 99
19) 1,1-Dichloroethane	3.91	63	351405	50.534	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	191603	49.129	ug/L 99
22) 2-Butanone	4.75	43	384731	101.599	ug/L 99

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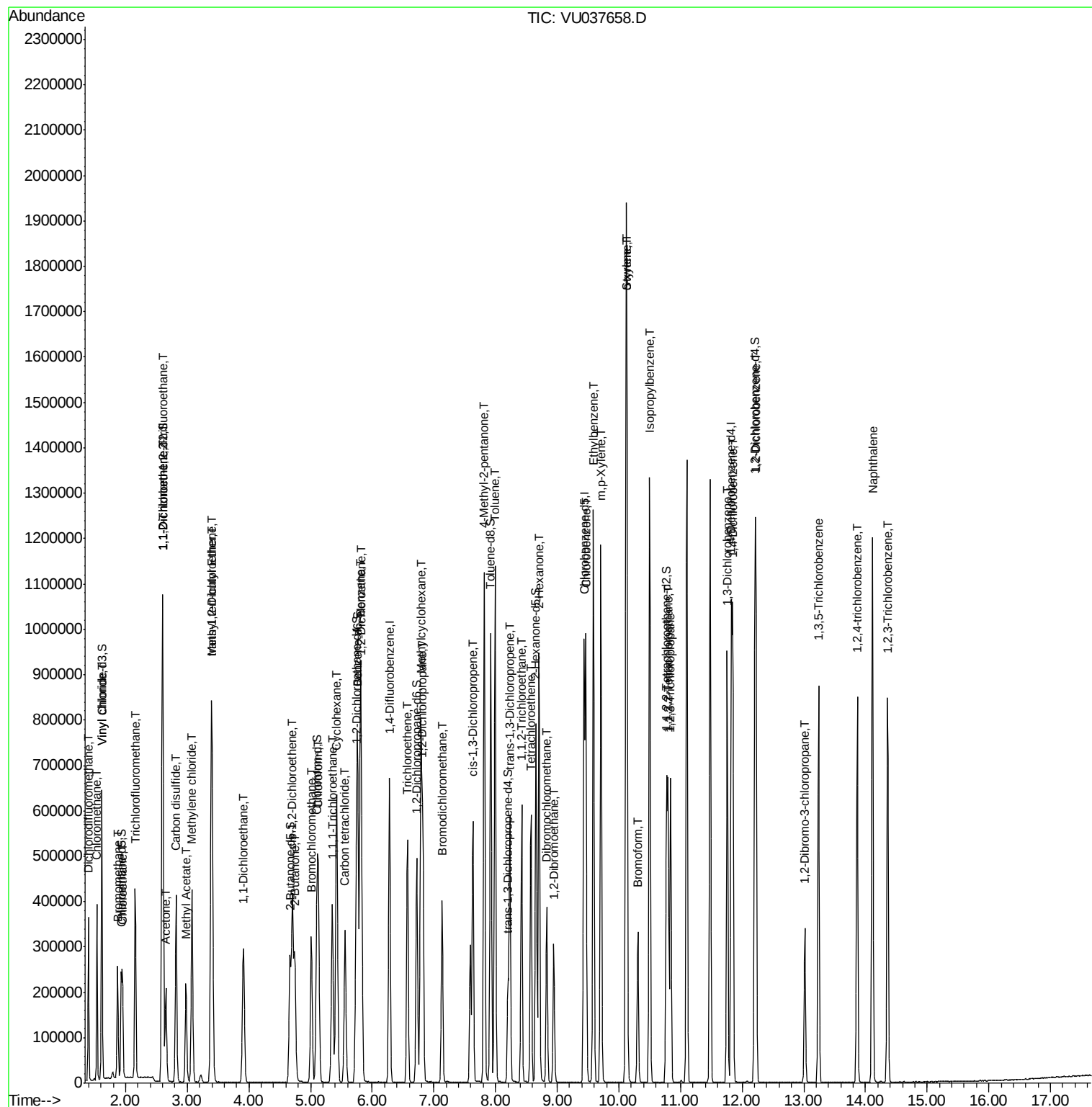
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	92824	48.836	ug/L	95
25) Chloroform	5.13	83	331484	50.662	ug/L	99
27) 1,2-Dichloroethane	5.83	62	278735	51.505	ug/L	98
29) Cyclohexane	5.42	56	337709	49.732	ug/L	97
30) 1,1,1-Trichloroethane	5.35	97	281225	50.244	ug/L	98
31) Carbon tetrachloride	5.56	117	223567	49.204	ug/L	99
33) Benzene	5.81	78	755245	50.257	ug/L	100
34) Trichloroethene	6.57	95	178846	48.345	ug/L	98
35) Methylcyclohexane	6.79	83	308984	47.073	ug/L	99
37) 1,2-Dichloropropane	6.82	63	209341	50.697	ug/L	99
38) Bromodichloromethane	7.13	83	256015	50.365	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	322449	47.709	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	744585	101.532	ug/L	99
42) Toluene	7.99	91	784397	49.137	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	310021	47.322	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	181646	49.302	ug/L	98
46) Tetrachloroethene	8.57	164	126889	46.101	ug/L	98
48) 2-Hexanone	8.71	43	592247	102.277	ug/L	98
49) Dibromochloromethane	8.83	129	189882	48.061	ug/L	99
50) 1,2-Dibromoethane	8.94	107	192679	48.335	ug/L	99
51) Chlorobenzene	9.47	112	473081	47.453	ug/L	98
52) Ethylbenzene	9.59	91	871835	48.711	ug/L	99
53) m,p-Xylene	9.71	106	327298	48.161	ug/L	97
54) o-xylene	10.12	106	325252	48.256	ug/L	100
55) Styrene	10.13	104	562134	48.102	ug/L	99
56) Isopropylbenzene	10.50	105	847503	48.291	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	319816	48.613	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	279772	49.874	ug/L	99
61) Bromoform	10.31	173	145691	47.919	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	363348	47.053	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	363545	46.923	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	363629	47.782	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	87772	49.788	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	255731	45.292	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	248930	45.710	ug/L	100
69) Naphthalene	14.11	128	916688	45.620	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	248325	45.765	ug/L	99

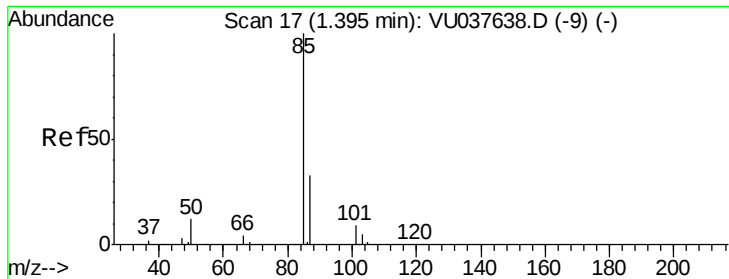
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.410 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037658.D

Acq: 10 Apr 2020 07:34

Instrument :

MSVOA_U

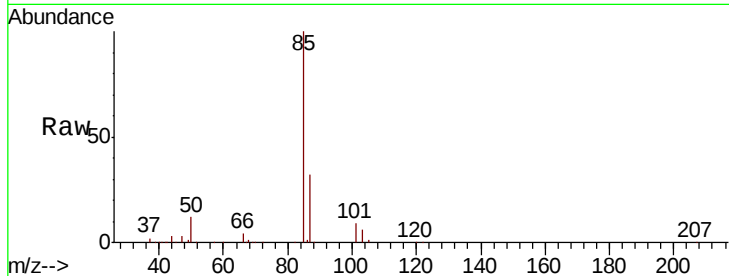
ClientSampleId :

Tot Ion: 85 Resp: 200184

Ion Ratio Lower Upper

85 100

87 32.7 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU037638.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037638.D (-9) (-)

1.39

200000

150000

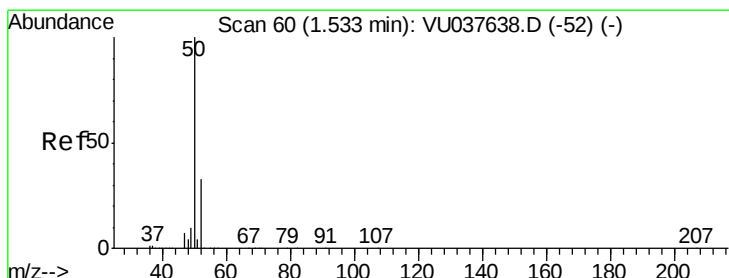
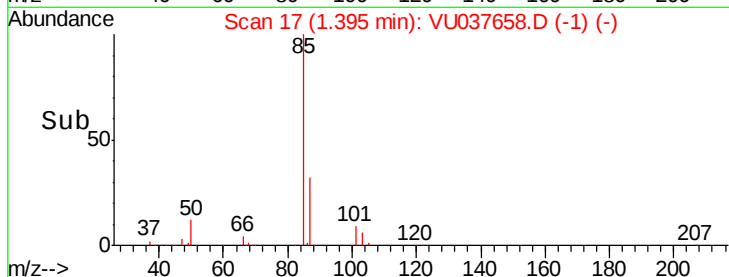
100000

50000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 50.740 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037658.D

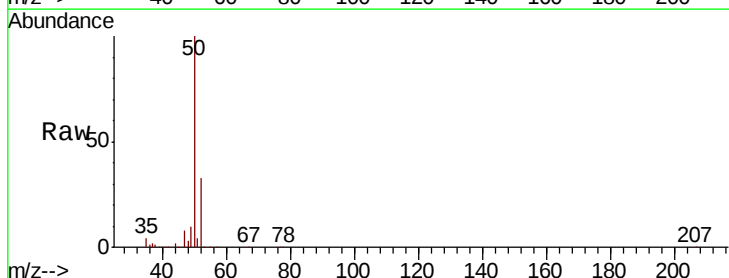
Acq: 10 Apr 2020 07:34

Tgt Ion: 50 Resp: 240422

Ion Ratio Lower Upper

50 100

52 32.6 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU037638.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037638.D (-52) (-)

1.54

250000

200000

150000

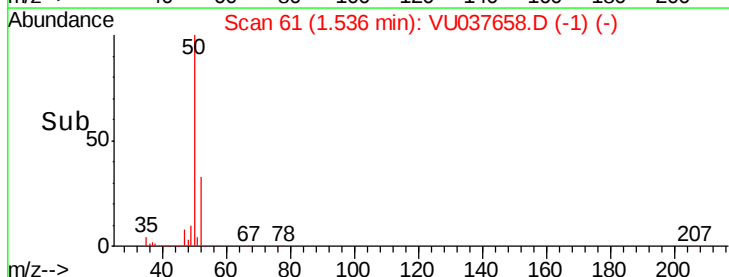
100000

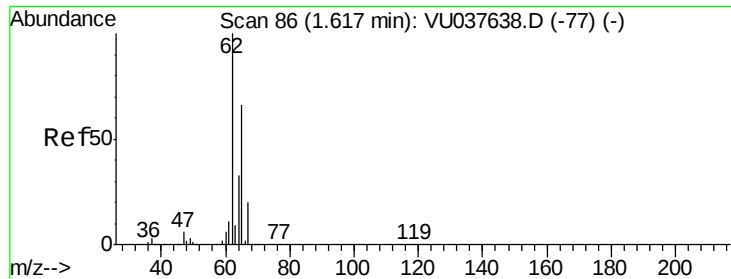
50000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 50.004 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037658.D

Acq: 10 Apr 2020 07:34

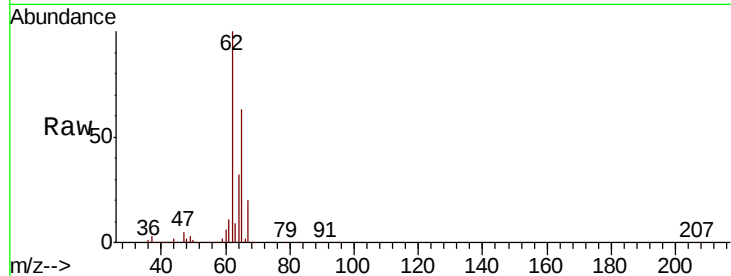
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 247951

Ion Ratio Lower Upper

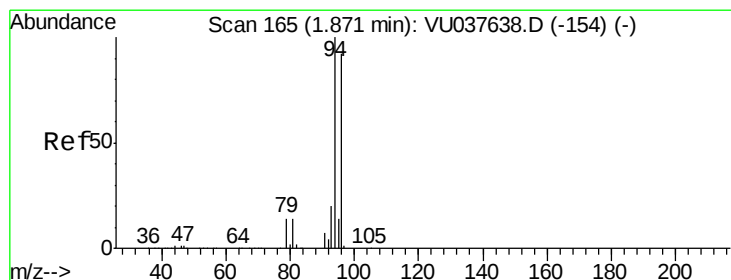
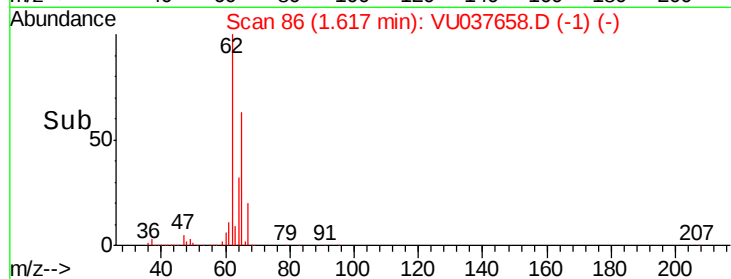
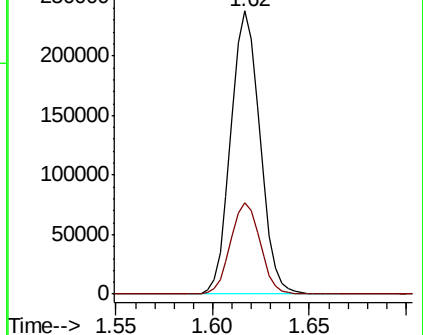
62 100

64 32.5 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU037638.D (-77) (-)

Ion 64.00 (63.70 to 64.70): VU037638.D (-77) (-)



#6

Bromomethane

Concen: 47.290 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU037658.D

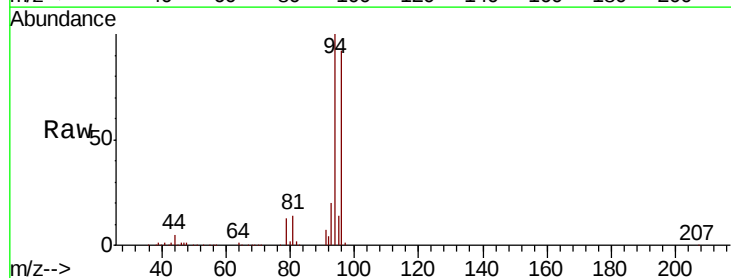
Acq: 10 Apr 2020 07:34

Tgt Ion: 94 Resp: 123414

Ion Ratio Lower Upper

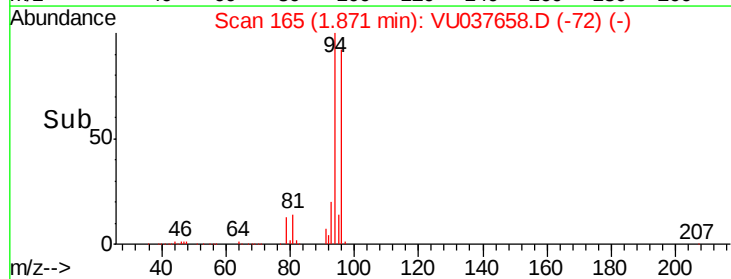
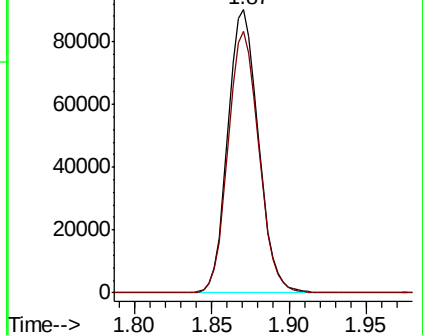
94 100

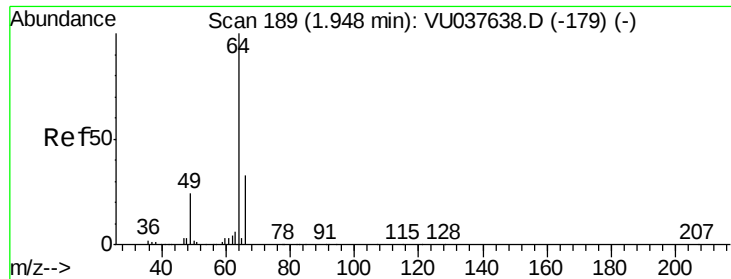
96 92.3 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VU037638.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU037638.D (-154) (-)

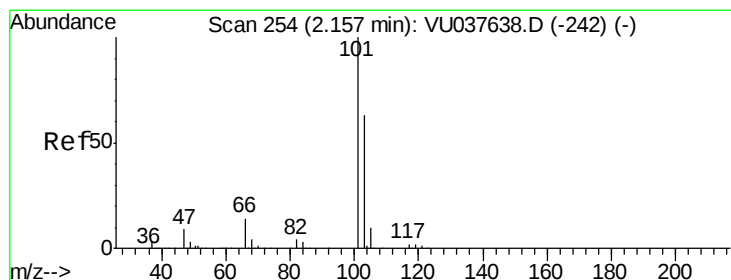
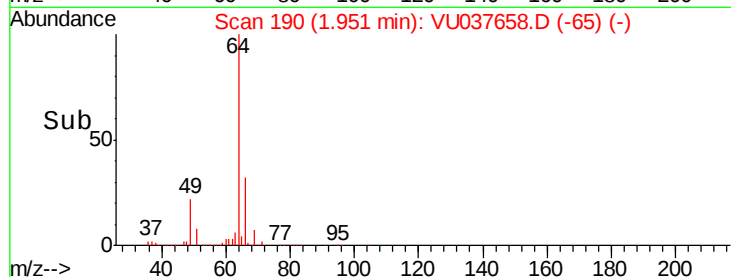
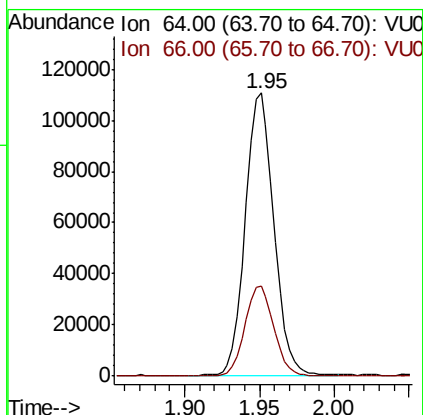
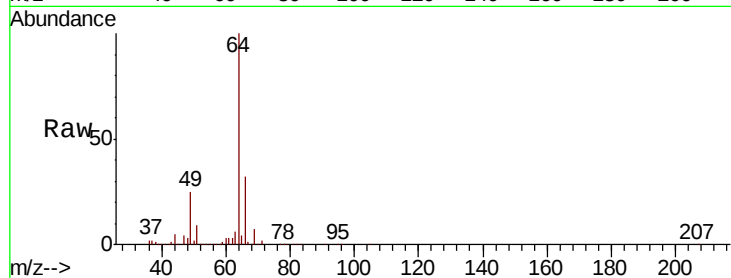




#8
Chloroethane
Concen: 49.789 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU037658.D
Acq: 10 Apr 2020 07:34

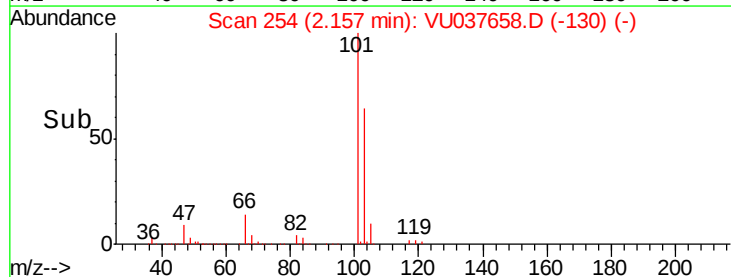
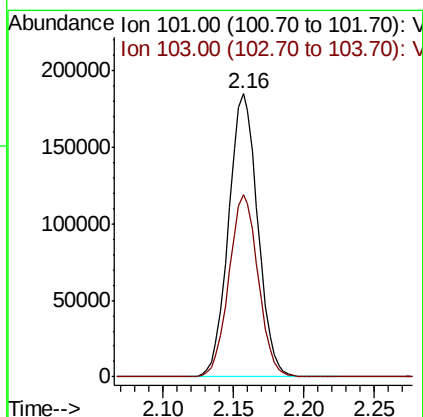
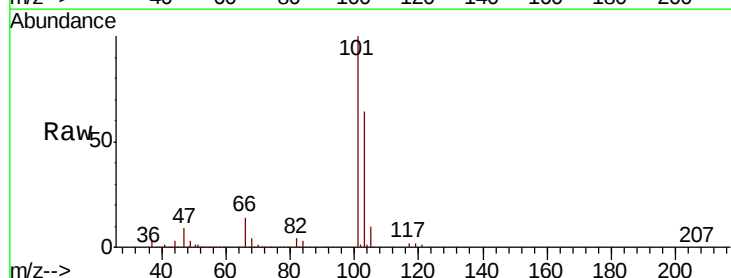
Instrument :
MSVOA_U
ClientSampleId :

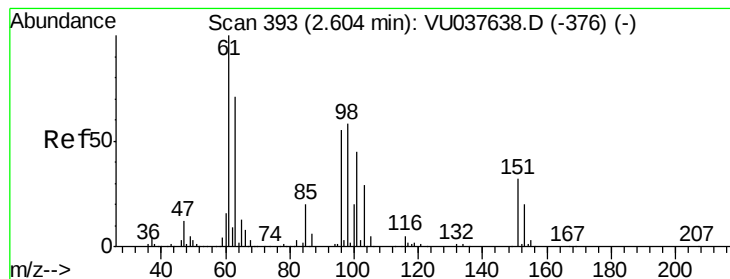
Tot Ion: 64 Resp: 146565
Ion Ratio Lower Upper
64 100
66 31.7 22.6 42.0



#9
Trichlorofluoromethane
Concen: 49.970 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037658.D
Acq: 10 Apr 2020 07:34

Tgt Ion:101 Resp: 267585
Ion Ratio Lower Upper
101 100
103 64.4 52.2 78.2





#10

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

Concen: 46.532 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037658.D

Acq: 10 Apr 2020 07:34

Instrument :

MSVOA_U

ClientSampled :

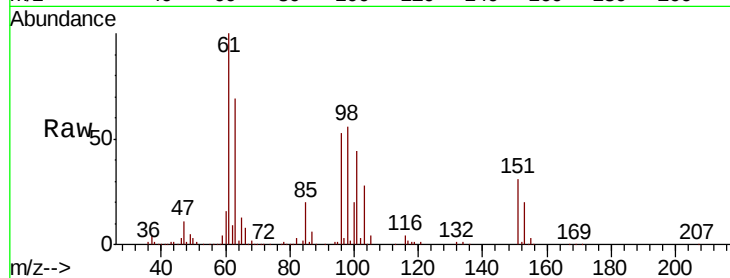
Tot Ion:101 Resp: 151708

Ion Ratio Lower Upper

101 100

85 44.3 34.5 51.7

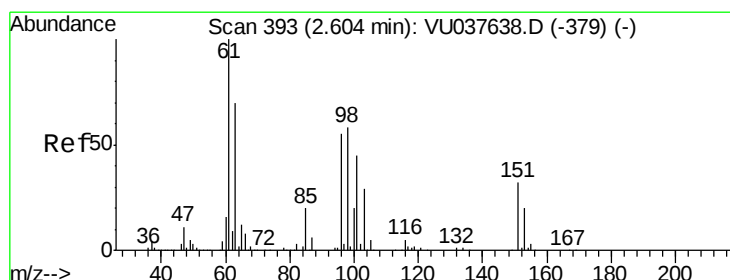
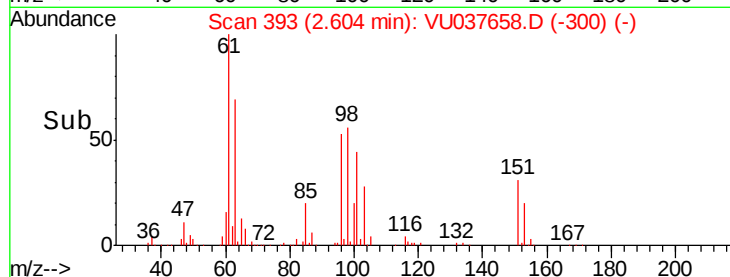
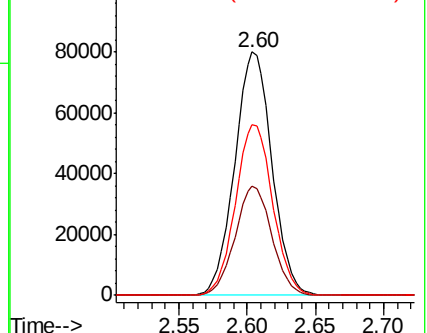
151 70.0 56.8 85.2



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: 47.321 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037658.D

Acq: 10 Apr 2020 07:34

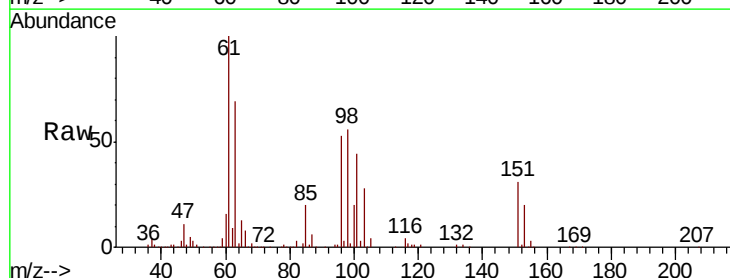
Tgt Ion: 96 Resp: 156457

Ion Ratio Lower Upper

96 100

61 189.4 123.6 229.6

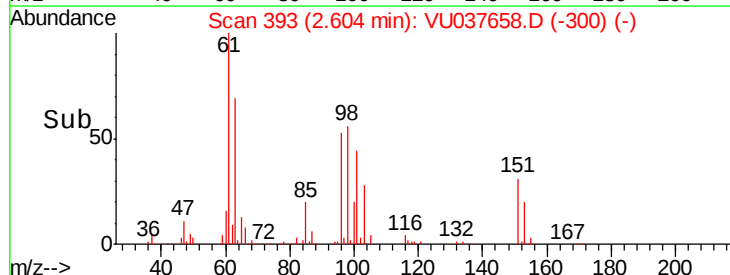
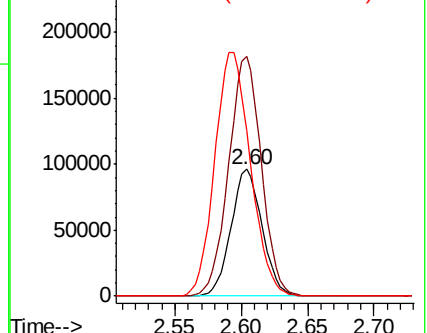
63 130.7 85.7 159.1

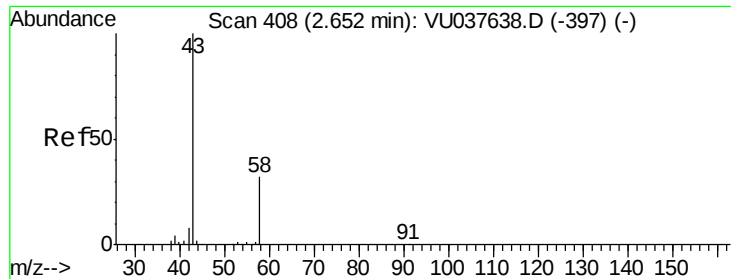


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 101.393 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU037658.D

Acq: 10 Apr 2020 07:34

Instrument :

MSVOA_U

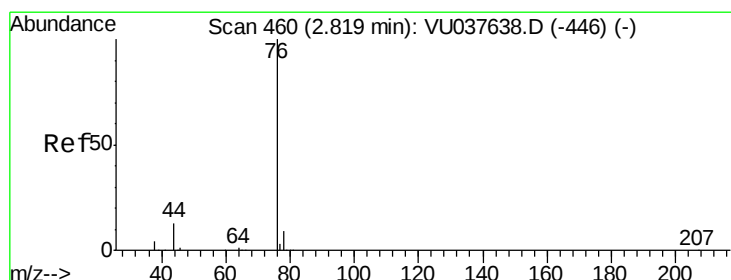
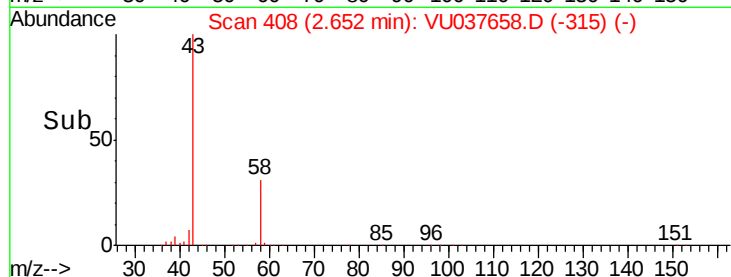
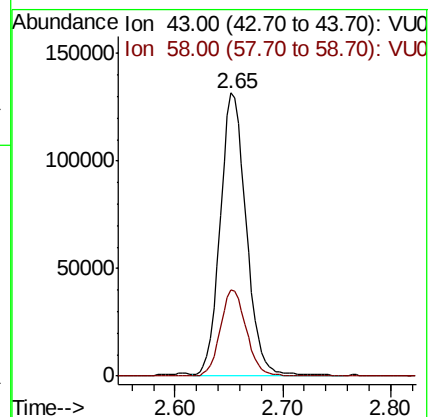
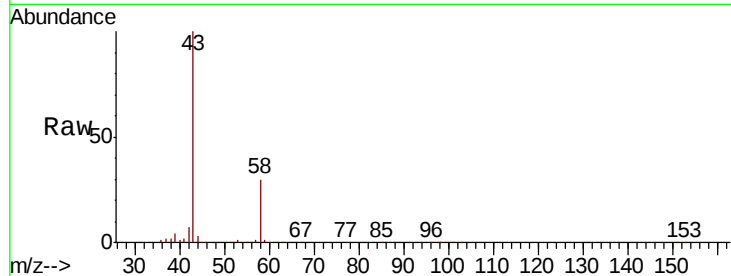
ClientSampled :

Tot Ion: 43 Resp: 219364

Ion Ratio Lower Upper

43 100

58 30.6 0.0 63.2



#14

Carbon disulfide

Concen: 46.467 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

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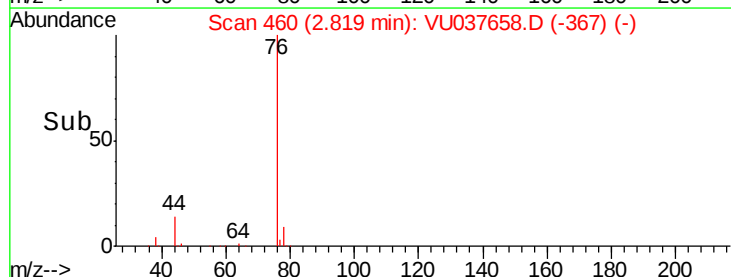
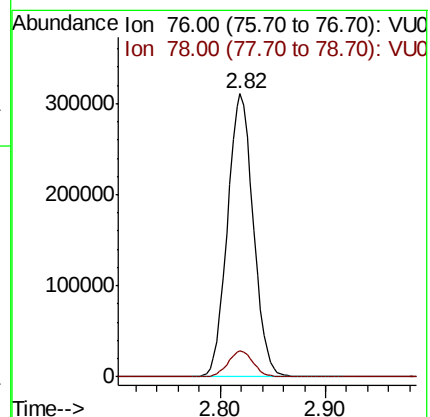
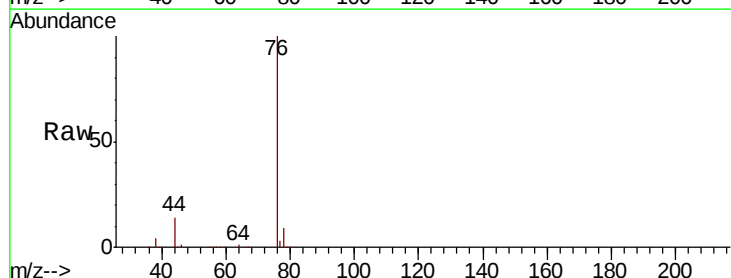
Acq: 10 Apr 2020 07:34

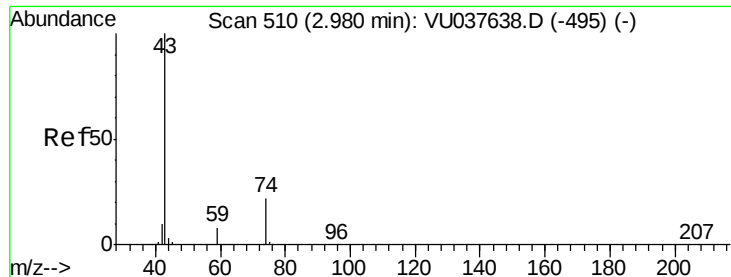
Tgt Ion: 76 Resp: 526294

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6

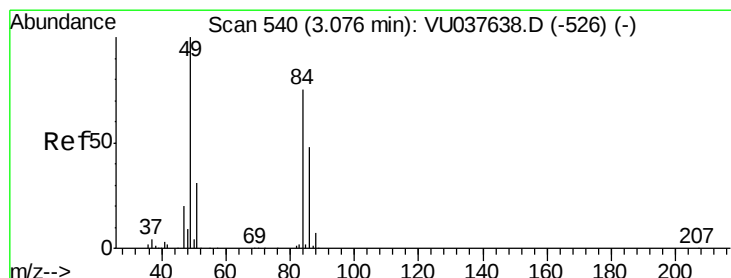
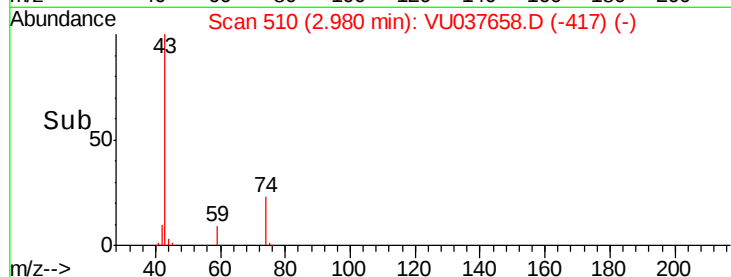
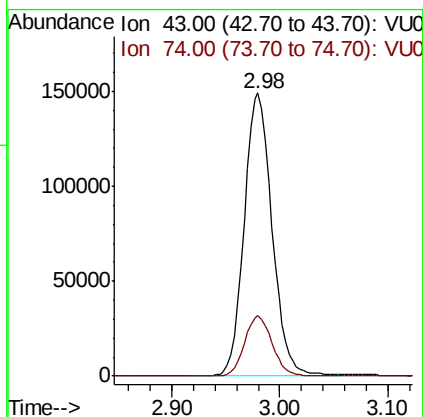
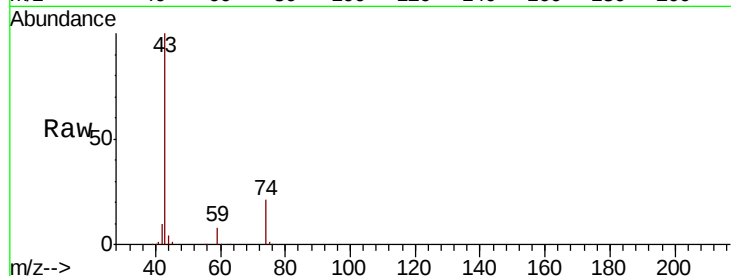




#15
Methvl Acetate
Concen: 51.891 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU037658.D
Acq: 10 Apr 2020 07:34

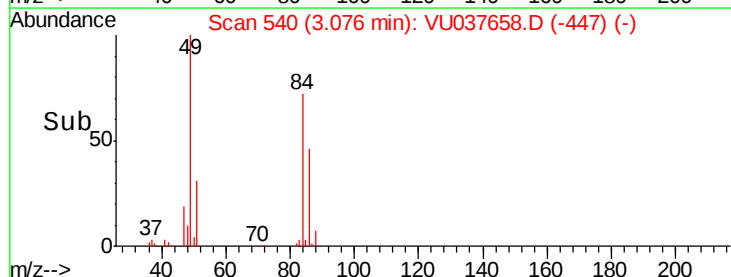
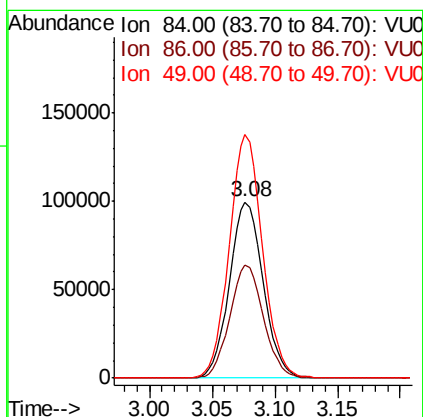
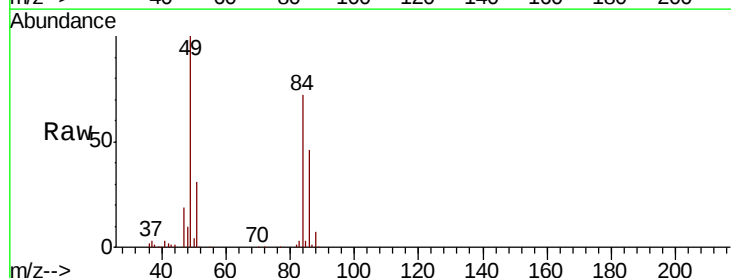
Instrument :
MSVOA_U
ClientSampleId :

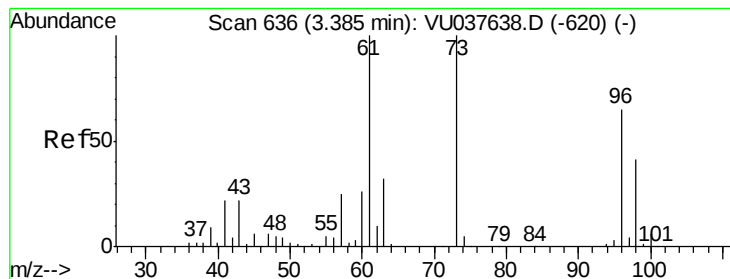
Tot Ion: 43 Resp: 266972
Ion Ratio Lower Upper
43 100
74 21.2 17.9 26.9



#16
Methylene chloride
Concen: 49.322 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037658.D
Acq: 10 Apr 2020 07:34

Tgt Ion: 84 Resp: 186300
Ion Ratio Lower Upper
84 100
86 64.2 44.1 81.9
49 138.4 90.3 167.7





#17

trans-1,2-Dichloroethene

Concen: 47.783 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU037658.D

Acq: 10 Apr 2020 07:34

Instrument :
MSVOA_U
ClientSampled :

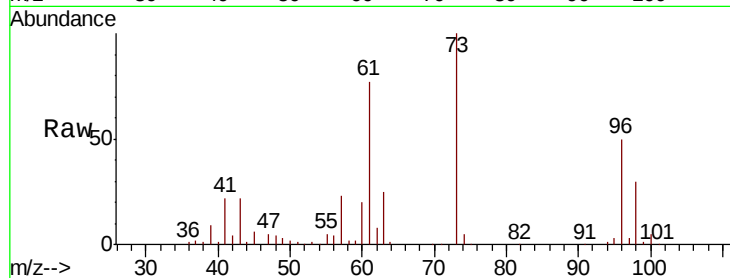
Tot Ion: 96 Resp: 169485

Ion Ratio Lower Upper

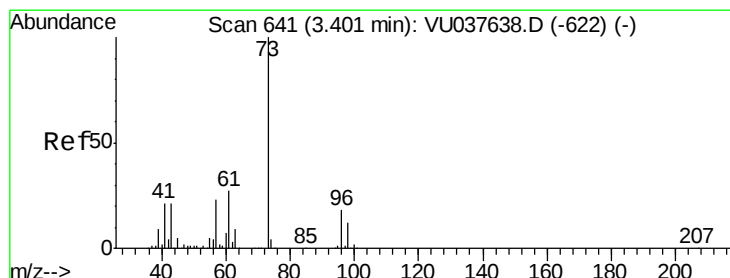
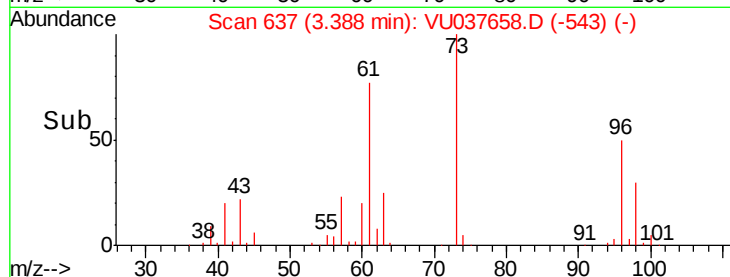
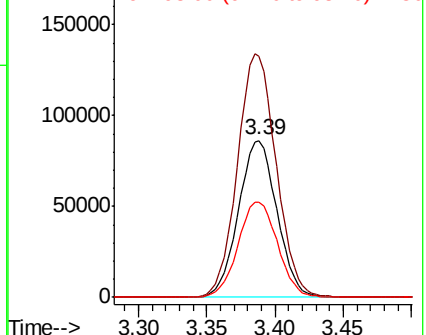
96 100

61 153.4 103.2 191.6

98 60.7 43.1 80.1



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: 50.548 ug/L

RT: 3.40 min Scan# 641

Delta R.T. -0.00 min

Lab File: VU037658.D

Acq: 10 Apr 2020 07:34

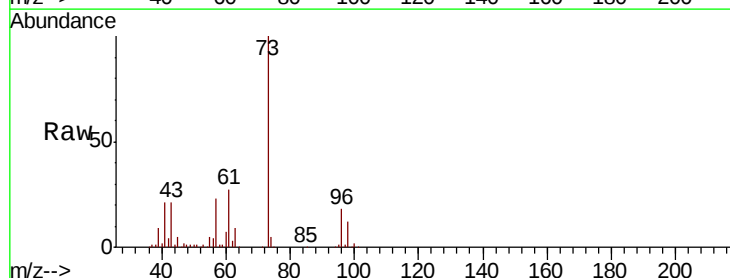
Tgt Ion: 73 Resp: 618920

Ion Ratio Lower Upper

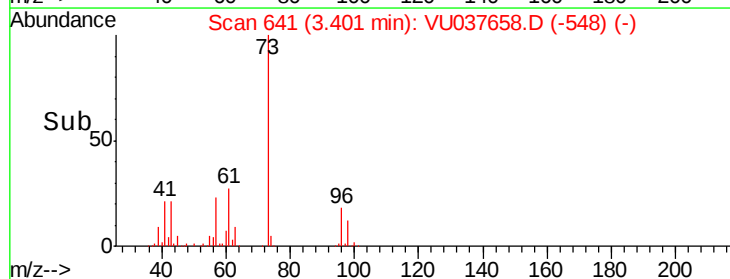
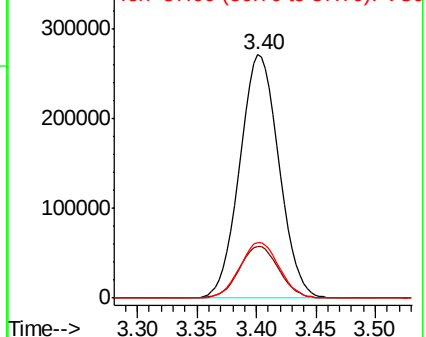
73 100

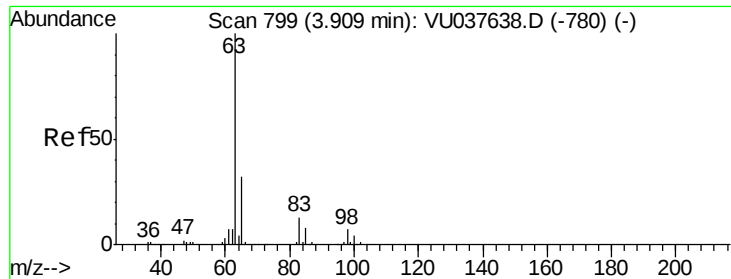
43 21.2 16.3 24.5

57 23.1 18.3 27.5



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

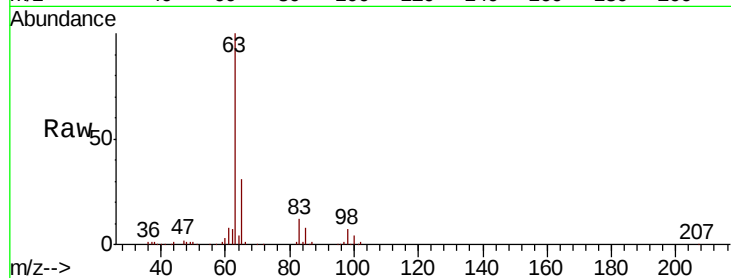




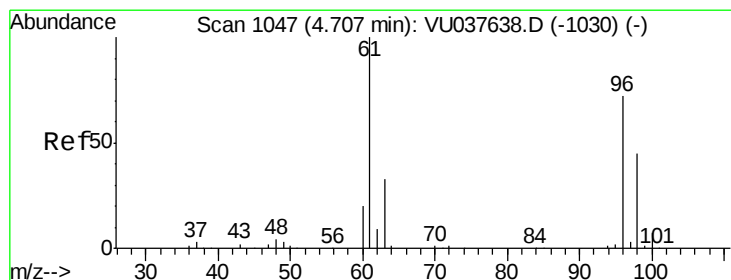
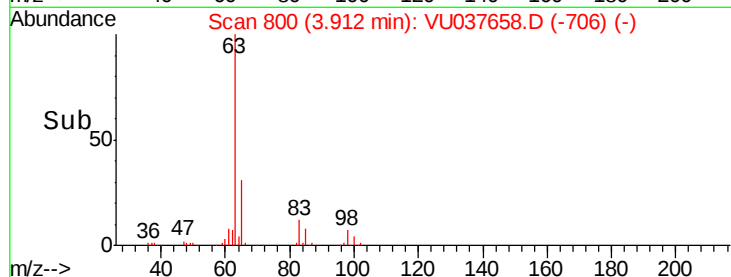
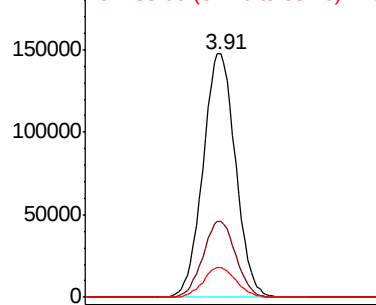
#19
 1,1-Dichloroethane
 Concen: 50.534 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037658.D
 Acq: 10 Apr 2020 07:34

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 351405
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.9 40.7
 83 12.1 9.0 16.6

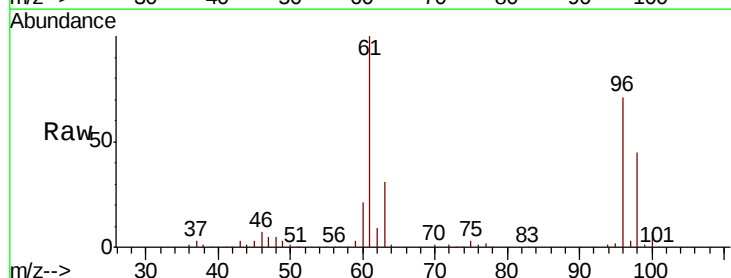


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

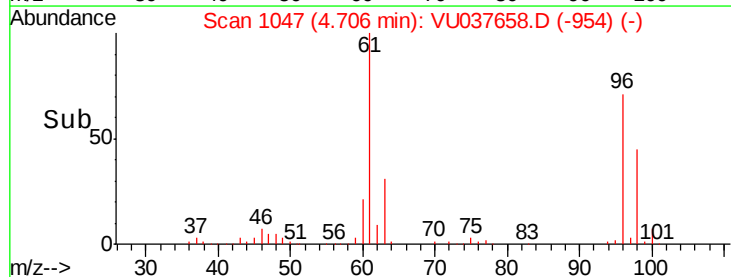
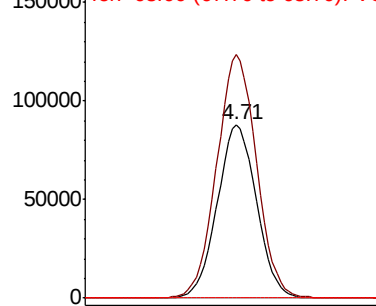


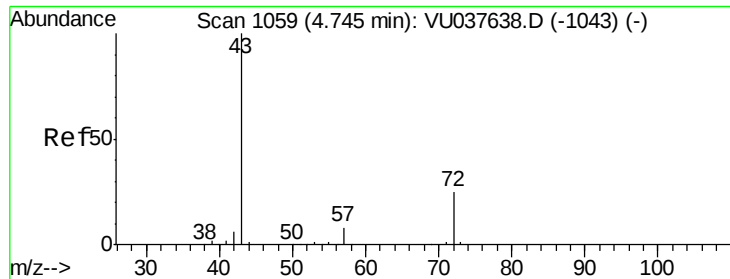
#20
 cis-1,2-Dichloroethene
 Concen: 49.129 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037658.D
 Acq: 10 Apr 2020 07:34

Tgt Ion: 96 Resp: 191603
 Ion Ratio Lower Upper
 96 100
 61 140.1 97.5 181.1
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 101.599 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VU037658.D

Acq: 10 Apr 2020 07:34

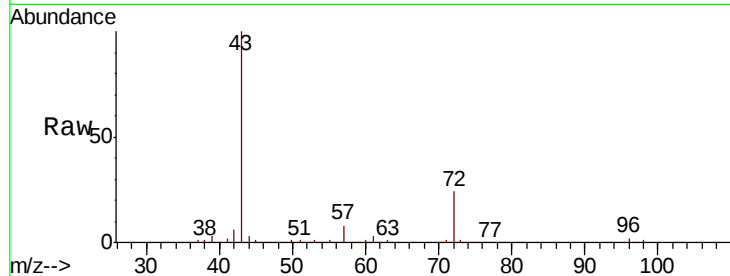
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 384731

Ion Ratio Lower Upper

43 100

72 25.0 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VU037658.D (-1043) (-)

Ion 72.00 (71.70 to 72.70): VU037658.D (-1043) (-)

4.75

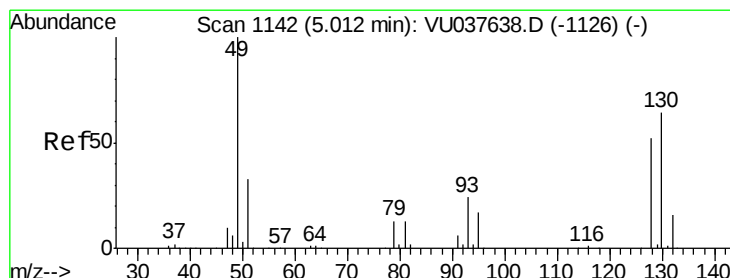
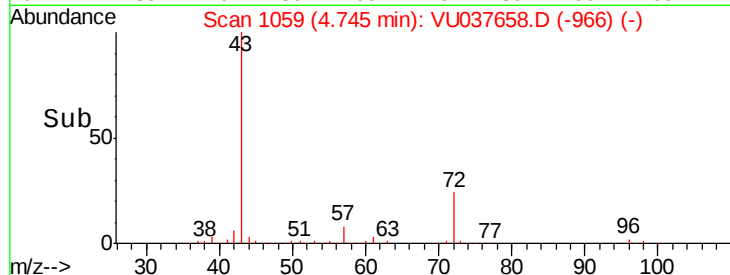
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 48.836 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU037658.D

Acq: 10 Apr 2020 07:34

Tgt Ion:128 Resp: 92824

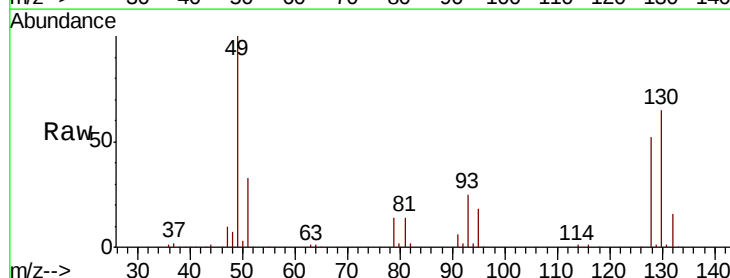
Ion Ratio Lower Upper

128 100

49 193.4 128.7 238.9

130 125.7 89.9 167.0

51 63.8 46.4 69.6



Abundance Ion 128.00 (127.70 to 128.70): VU037658.D (-1142) (-)

Ion 49.00 (48.70 to 49.70): VU037658.D (-1142) (-)

Ion 130.00 (129.70 to 130.70): VU037658.D (-1142) (-)

Ion 51.00 (50.70 to 51.70): VU037658.D (-1142) (-)

5.01

120000

100000

80000

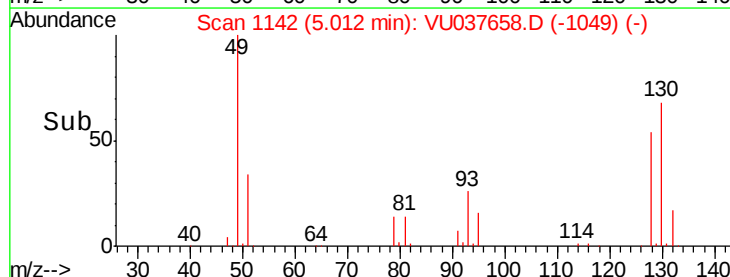
60000

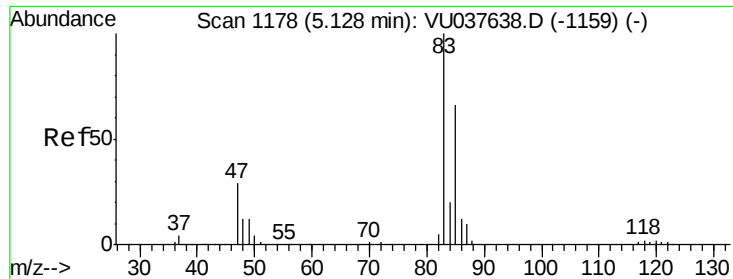
40000

20000

0

Time-->

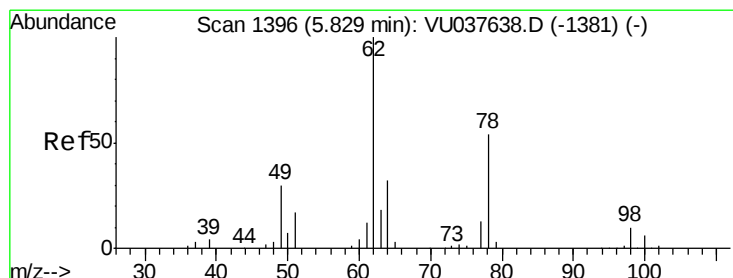
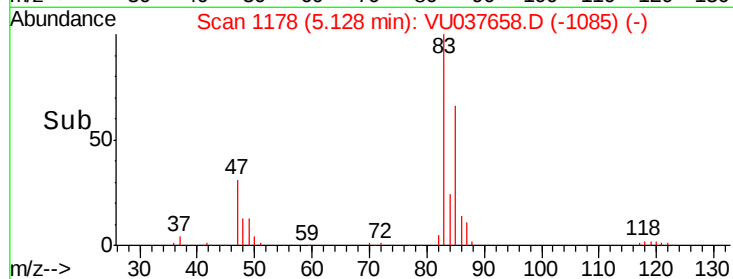
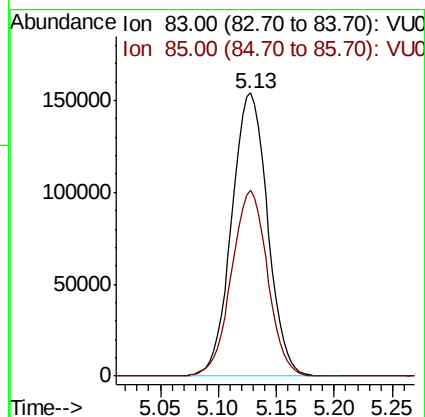
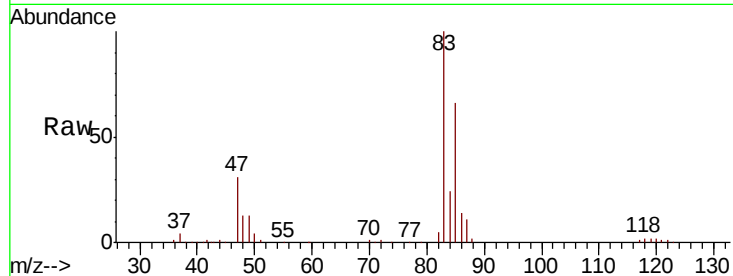




#25
Chloroform
Concen: 50.662 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037658.D
Acq: 10 Apr 2020 07:34

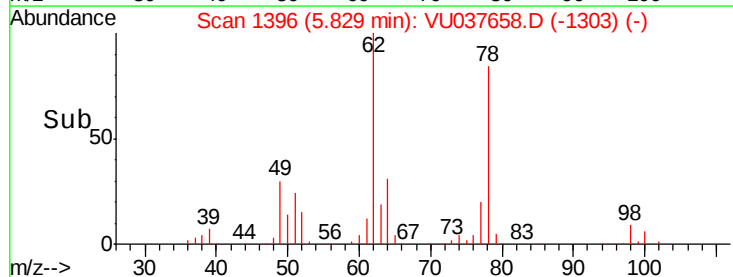
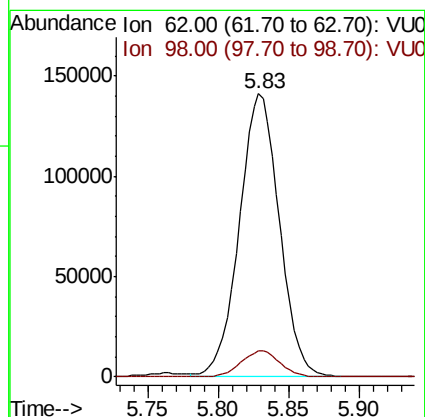
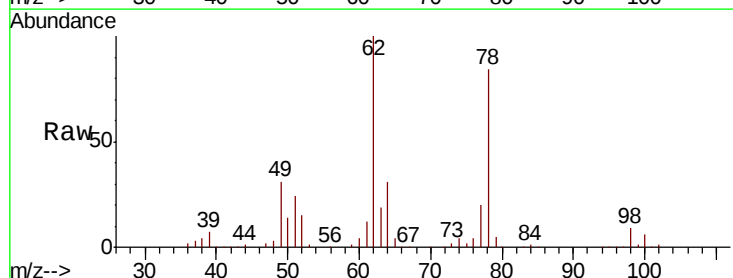
Instrument :
MSVOA_U
ClientSampleId :

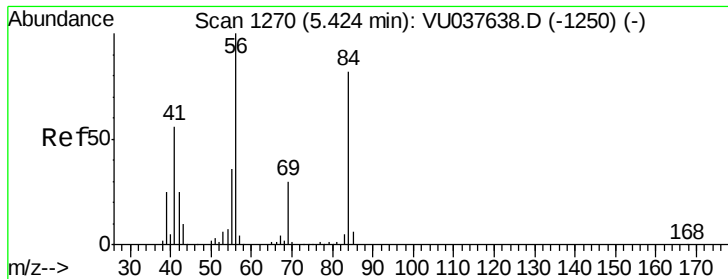
Tot Ion: 83 Resp: 331484
Ion Ratio Lower Upper
83 100
85 65.6 45.5 84.5



#27
1,2-Dichloroethane
Concen: 51.505 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037658.D
Acq: 10 Apr 2020 07:34

Tgt Ion: 62 Resp: 278735
Ion Ratio Lower Upper
62 100
98 9.0 7.8 11.6

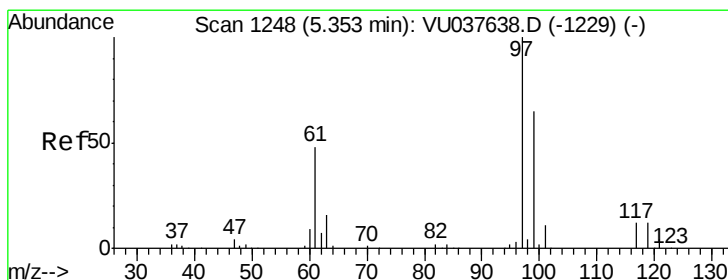
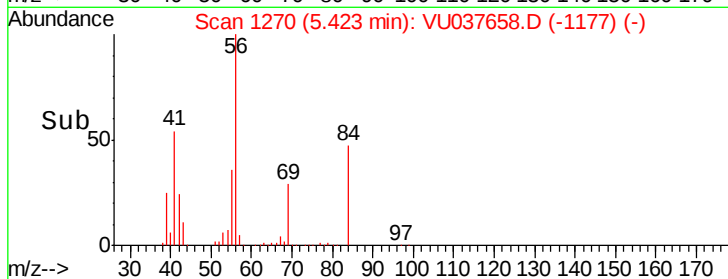
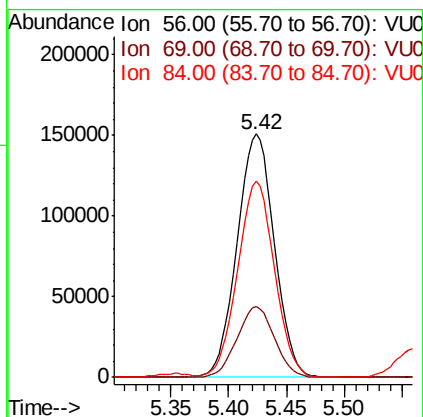
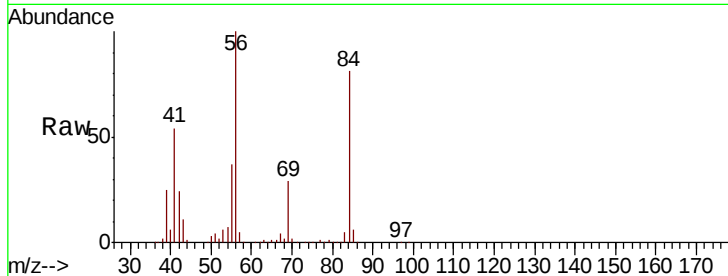




#29
Cyclohexane
Concen: 49.732 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU037658.D
Acq: 10 Apr 2020 07:34

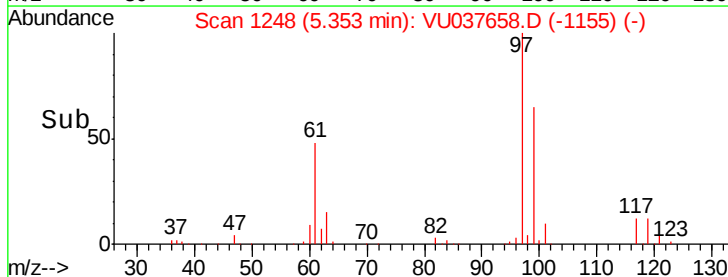
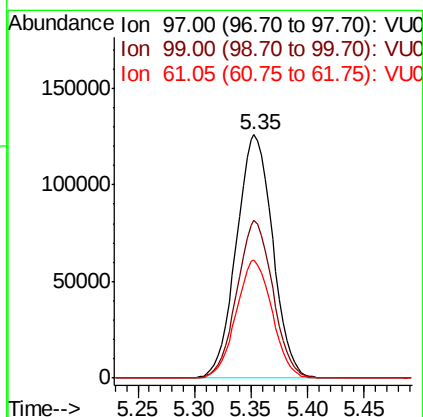
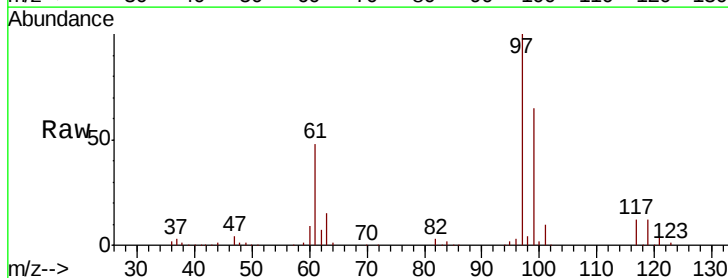
Instrument :
MSVOA_U
ClientSampled :

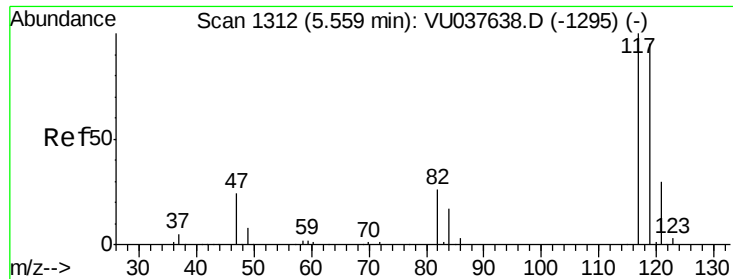
Tot Ion: 56 Resp: 337709
Ion Ratio Lower Upper
56 100
69 29.1 24.0 36.0
84 79.6 66.3 99.5



#30
1,1,1-Trichloroethane
Concen: 50.244 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037658.D
Acq: 10 Apr 2020 07:34

Tgt Ion: 97 Resp: 281225
Ion Ratio Lower Upper
97 100
99 64.2 51.9 77.9
61 48.0 37.1 55.7

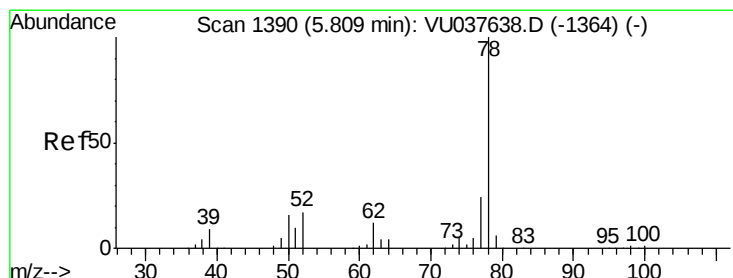
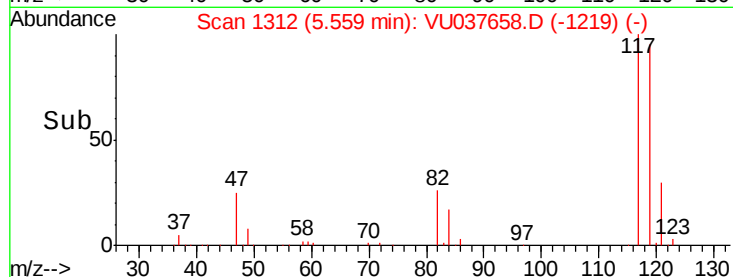
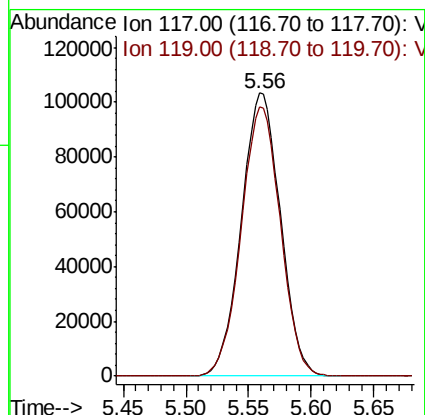
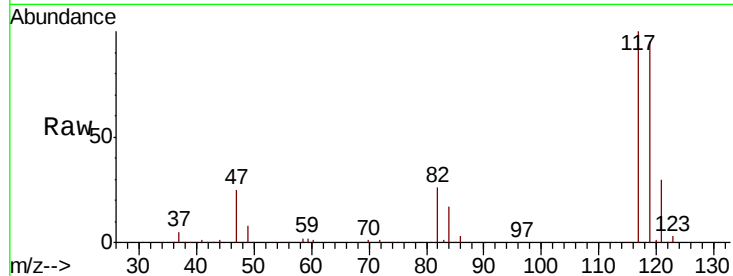




#31
Carbon tetrachloride
Concen: 49.204 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU037658.D
Acq: 10 Apr 2020 07:34

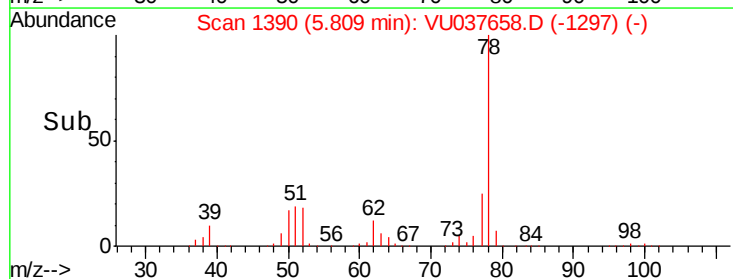
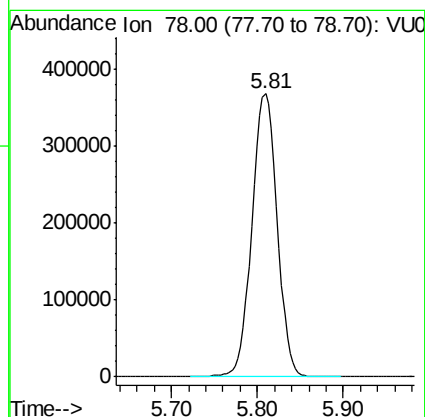
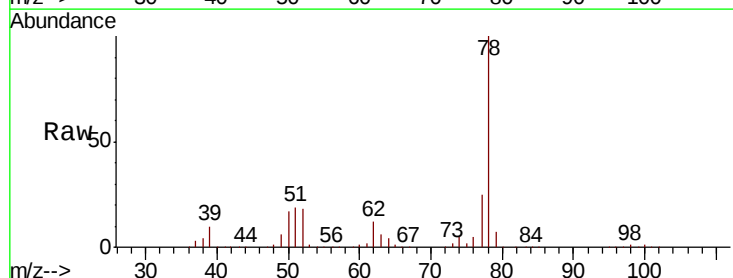
Instrument :
MSVOA_U
ClientSampled :

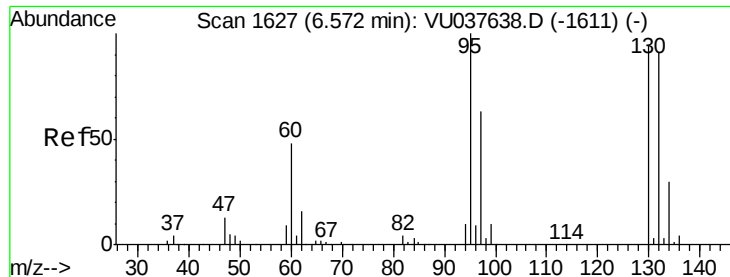
Tot Ion:117 Resp: 223567
Ion Ratio Lower Upper
117 100
119 95.7 77.0 115.4



#33
Benzene
Concen: 50.257 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU037658.D
Acq: 10 Apr 2020 07:34

Tgt Ion: 78 Resp: 755245

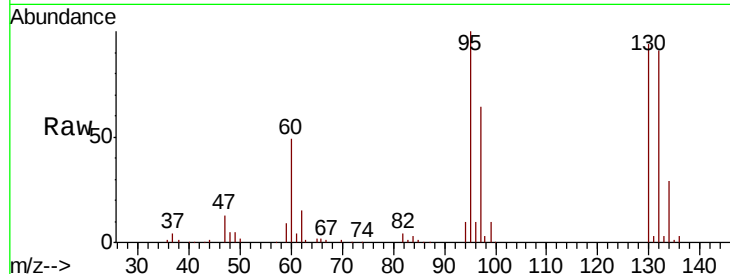




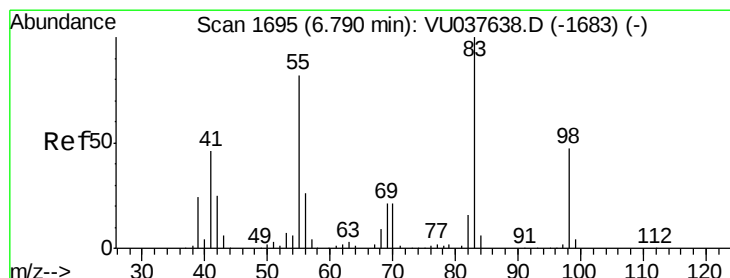
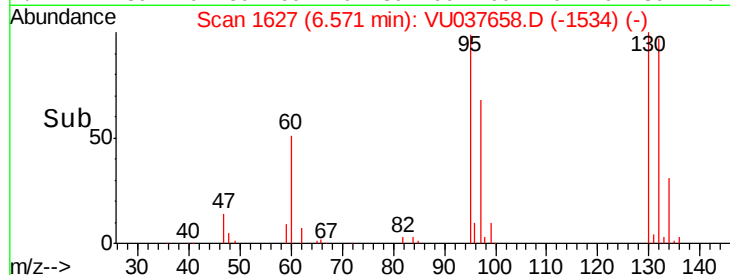
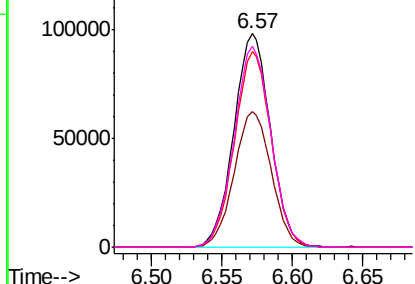
#34
 Trichloroethene
 Concen: 48.345 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037658.D
 Acq: 10 Apr 2020 07:34

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 178846
 Ion Ratio Lower Upper
 95 100
 97 63.8 43.8 81.4
 132 91.4 64.8 120.4
 130 94.0 68.2 126.6

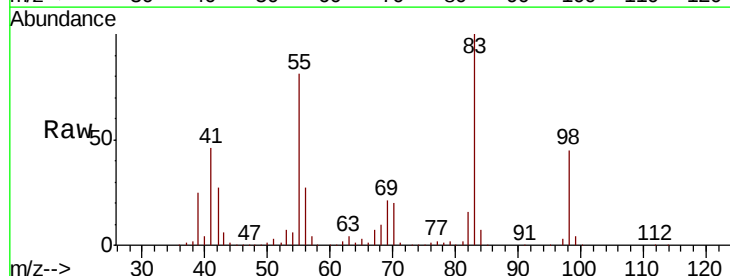


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

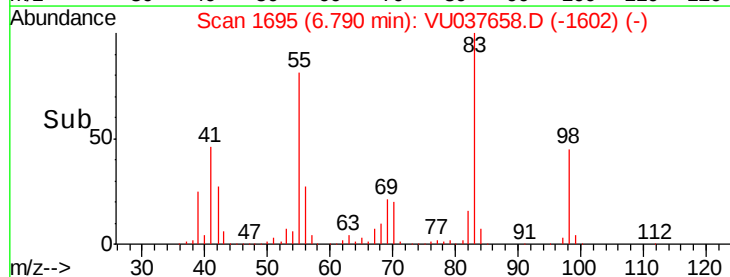
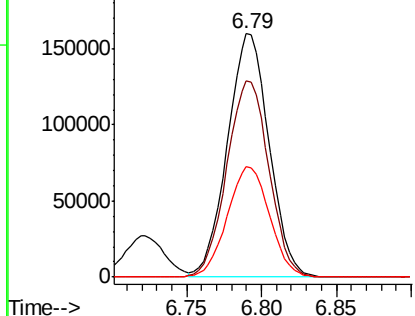


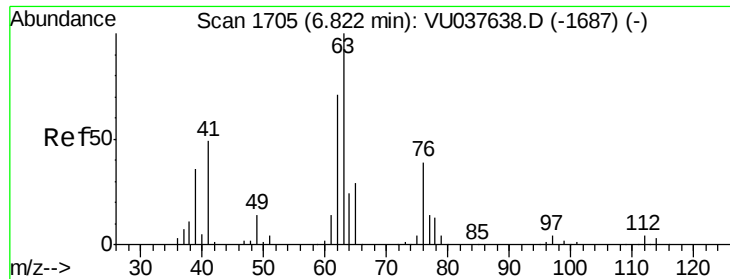
#35
 Methylcyclohexane
 Concen: 47.073 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU037658.D
 Acq: 10 Apr 2020 07:34

Tgt Ion: 83 Resp: 308984
 Ion Ratio Lower Upper
 83 100
 55 81.7 64.6 96.8
 98 46.2 38.0 57.0



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

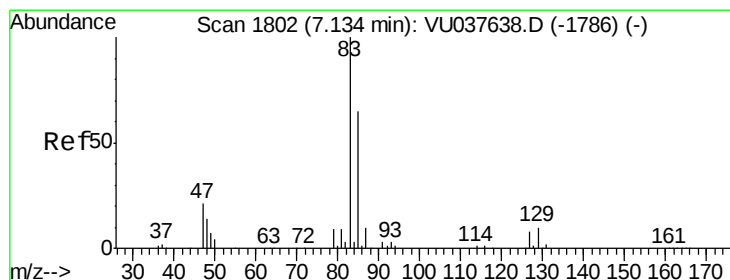
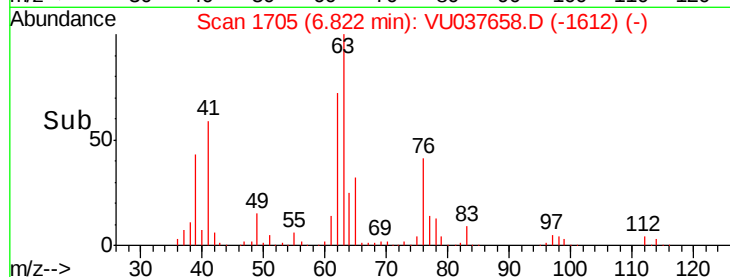
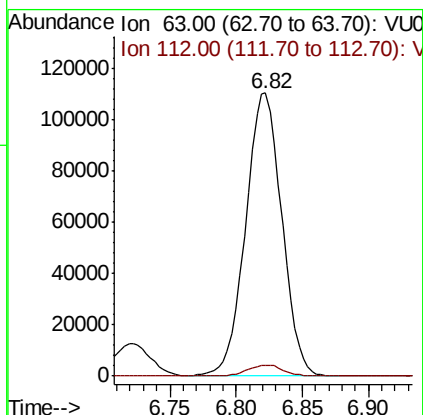
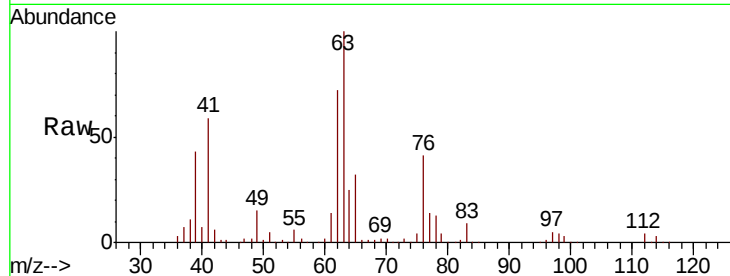




#37
 1,2-Dichloropropane
 Concen: 50.697 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037658.D
 Acq: 10 Apr 2020 07:34

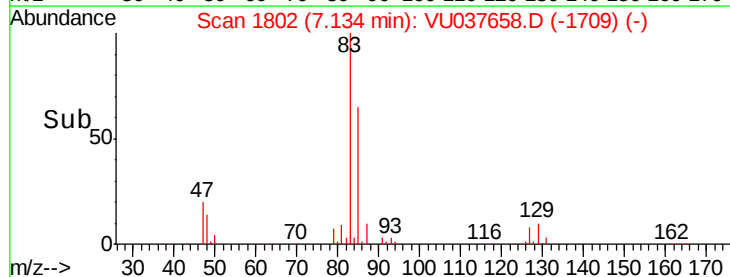
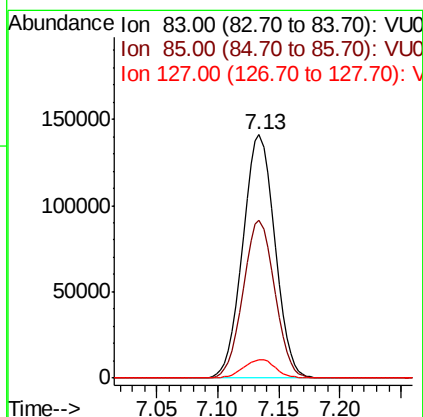
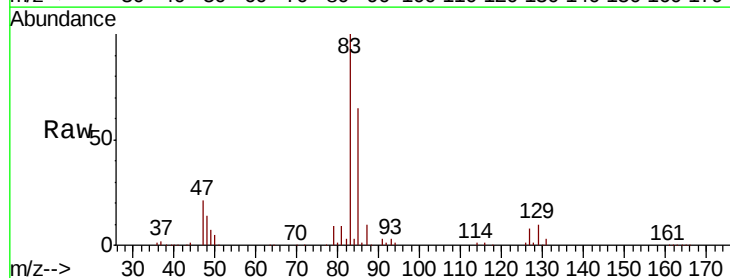
Instrument :
 MSVOA_U
 ClientSampled :

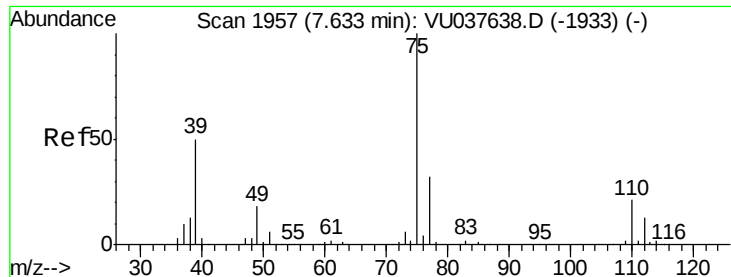
Tot Ion: 63 Resp: 209341
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.4 5.0



#38
 Bromodichloromethane
 Concen: 50.365 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU037658.D
 Acq: 10 Apr 2020 07:34

Tgt Ion: 83 Resp: 256015
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.1 83.7
 127 7.7 6.6 9.8

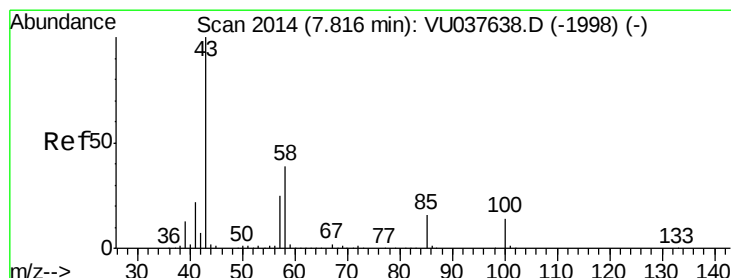
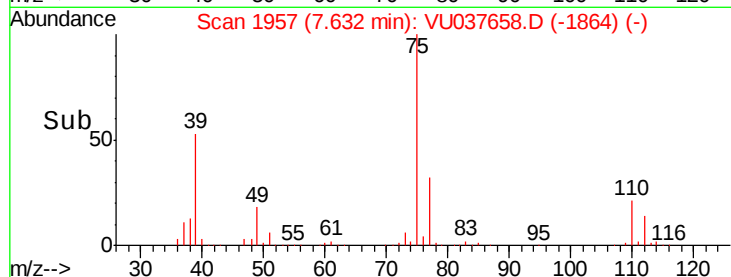
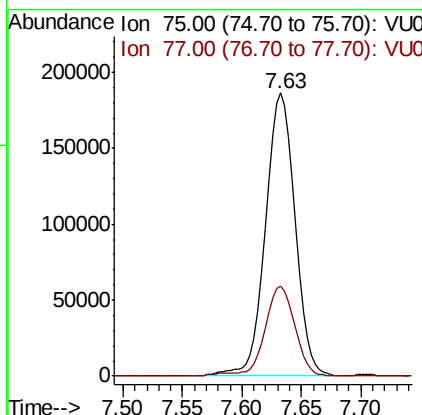
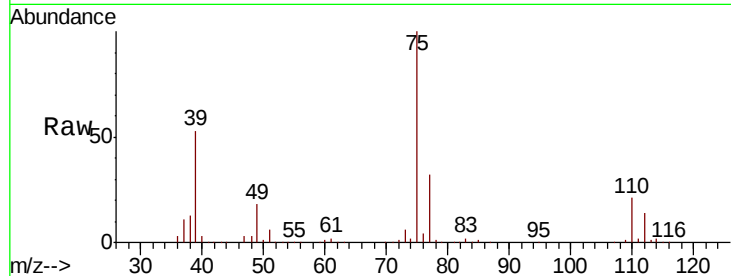




#39
 cis-1,3-Dichloropropene
 Concen: 47.709 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU037658.D
 Acq: 10 Apr 2020 07:34

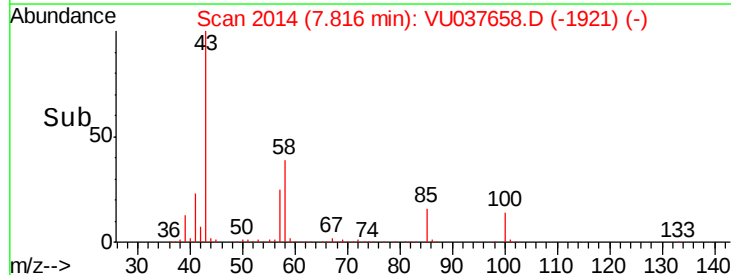
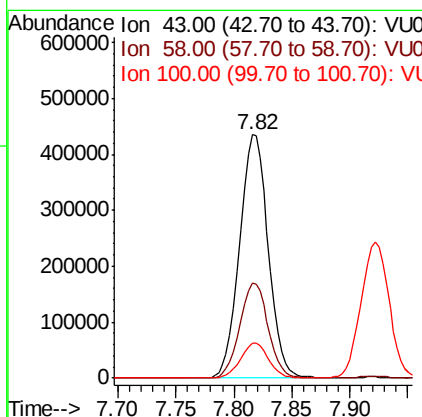
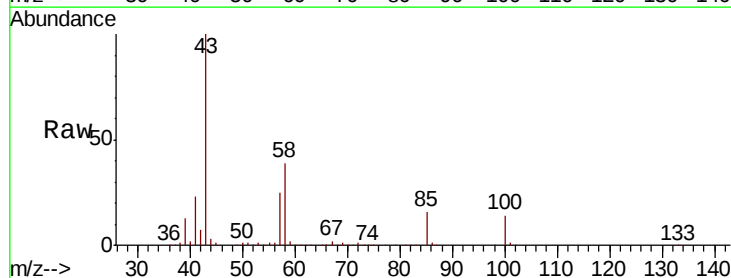
Instrument :
 MSVOA_U
 ClientSampleId :

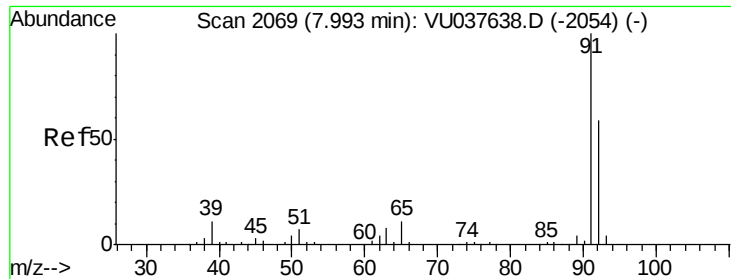
Tot Ion: 75 Resp: 322449
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 101.532 ug/L
 RT: 7.82 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VU037658.D
 Acq: 10 Apr 2020 07:34

Tgt Ion: 43 Resp: 744585
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.5 47.3
 100 14.1 12.0 18.0





#42

Toluene

Concen: 49.137 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037658.D

Acq: 10 Apr 2020 07:34

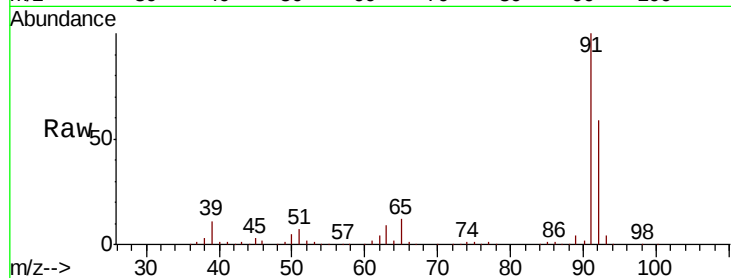
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 784397

Ion Ratio Lower Upper

91 100

92 59.2 41.8 77.6



Abundance Ion 91.00 (90.70 to 91.70): VU037638.D (-2054) (-)

Ion 92.00 (91.70 to 92.70): VU037638.D (-2054) (-)

7.99

500000

400000

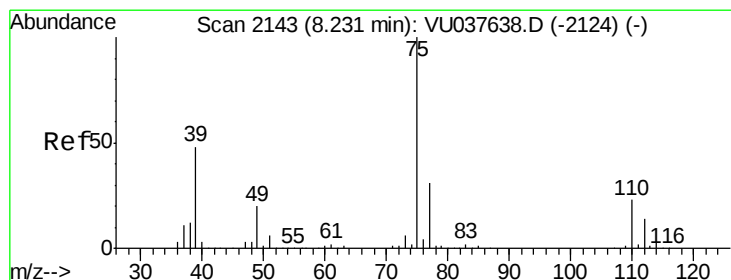
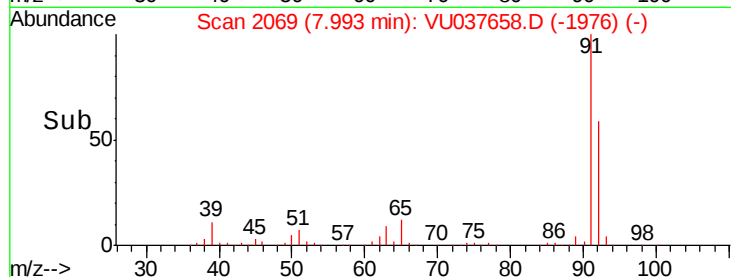
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 47.322 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037658.D

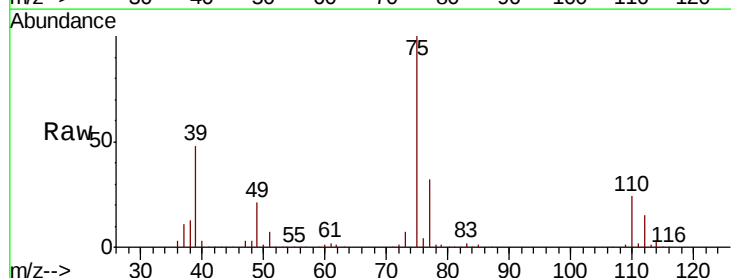
Acq: 10 Apr 2020 07:34

Tgt Ion: 75 Resp: 310021

Ion Ratio Lower Upper

75 100

77 31.7 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU037638.D (-2124) (-)

Ion 77.00 (76.70 to 77.70): VU037638.D (-2124) (-)

8.23

200000

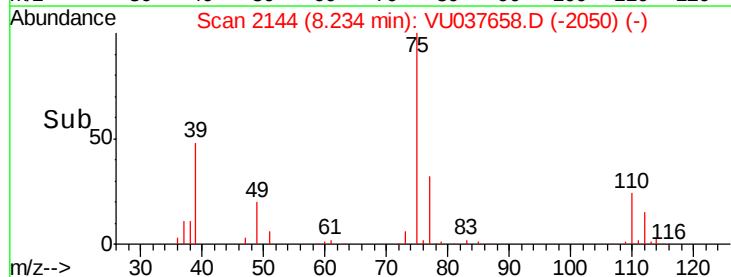
150000

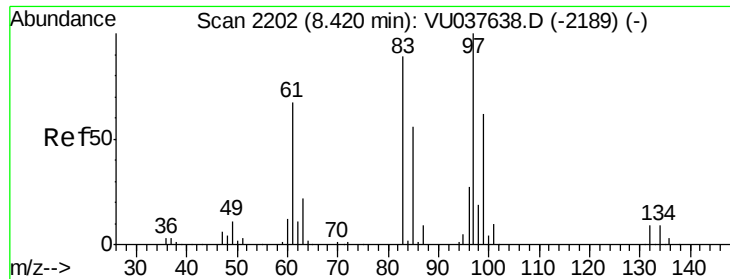
100000

50000

0

Time-->

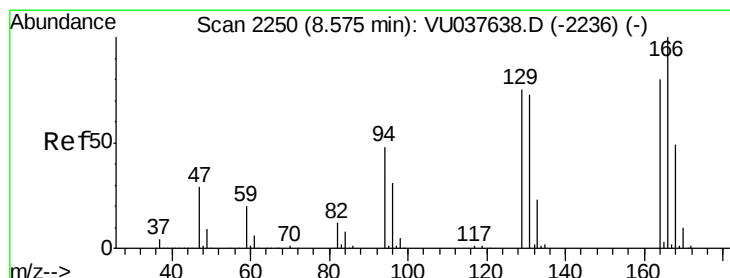
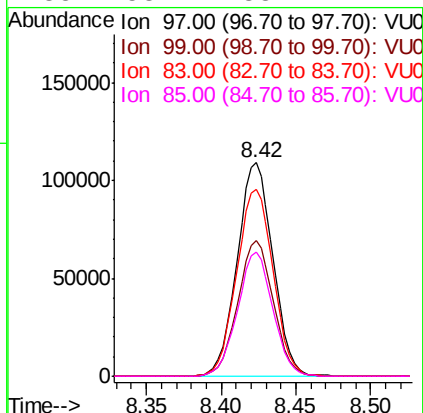
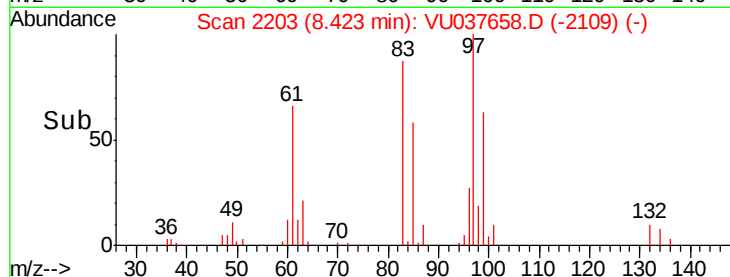
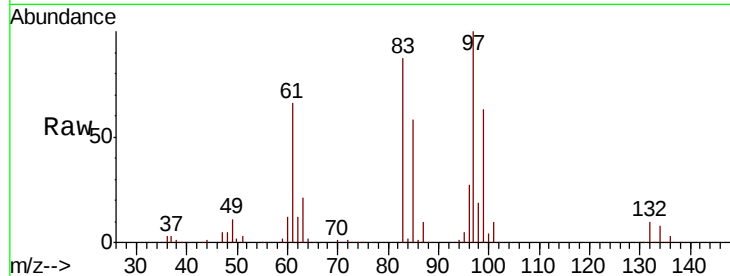




#45
1,1,2-Trichloroethane
Concen: 49.302 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VU037658.D
Acq: 10 Apr 2020 07:34

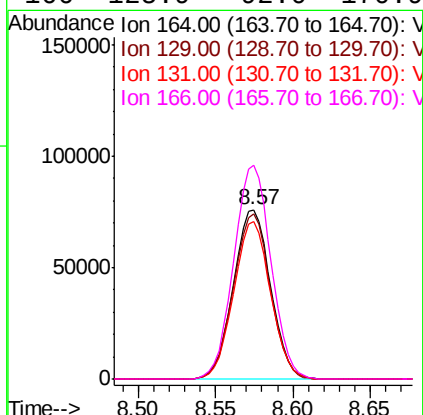
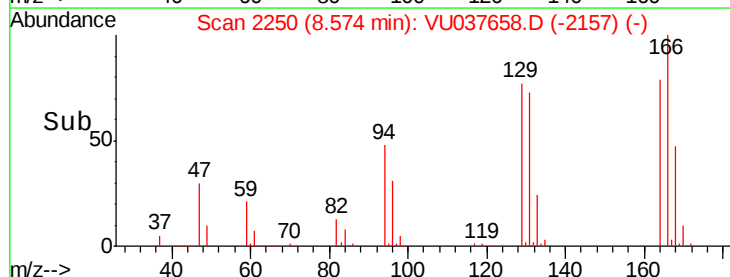
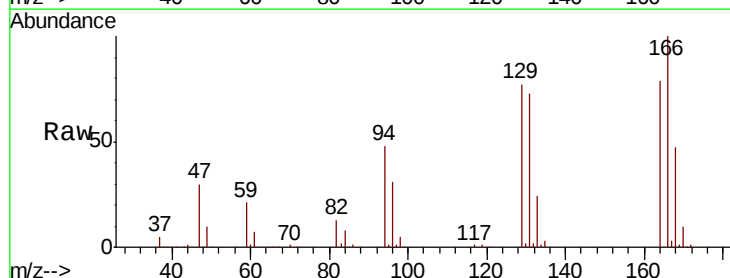
Instrument :
MSVOA_U
ClientSampleId :

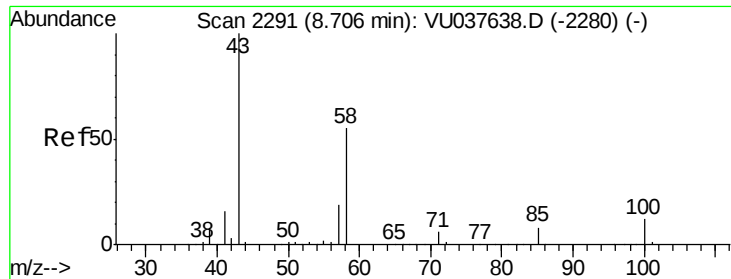
Tot Ion:	97	Resp:	181646
Ion	Ratio	Lower	Upper
97	100		
99	63.3	43.6	81.0
83	87.4	61.2	113.8
85	58.1	38.4	71.4



#46
Tetrachloroethene
Concen: 46.101 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU037658.D
Acq: 10 Apr 2020 07:34

Tgt Ion:	164	Resp:	126889
Ion	Ratio	Lower	Upper
164	100		
129	97.2	68.0	126.2
131	92.5	65.8	122.2
166	125.9	92.0	170.9

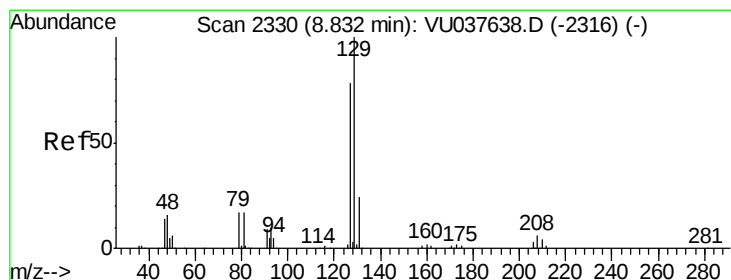
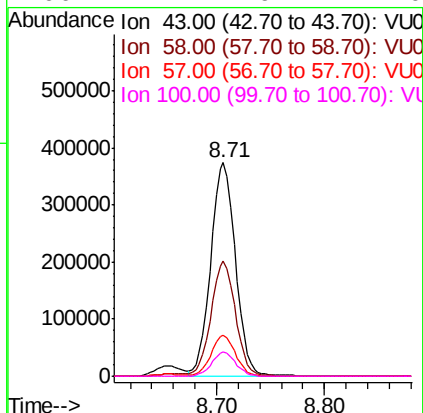
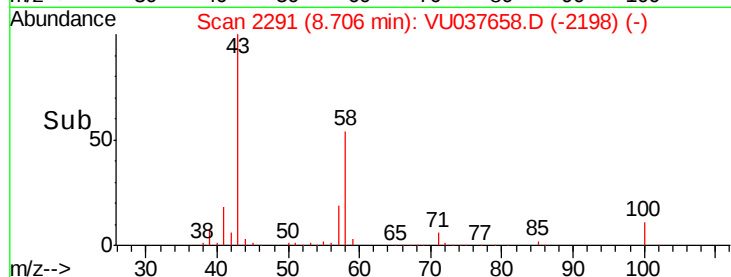
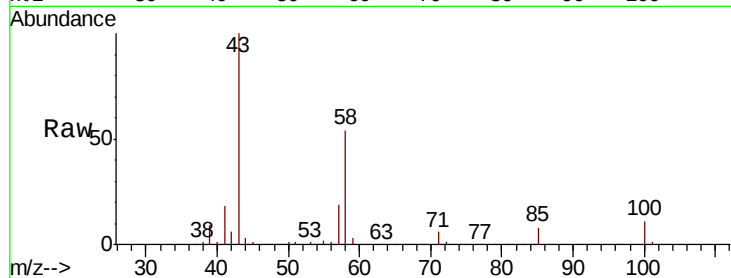




#48
2-Hexanone
Concen: 102.277 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU037658.D
Acq: 10 Apr 2020 07:34

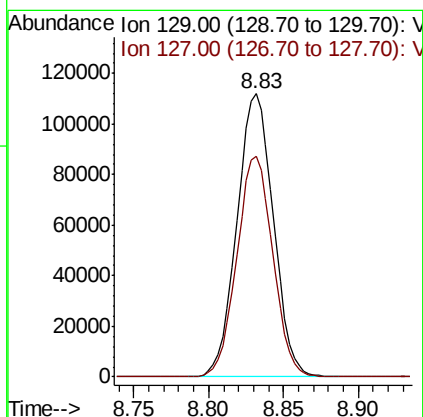
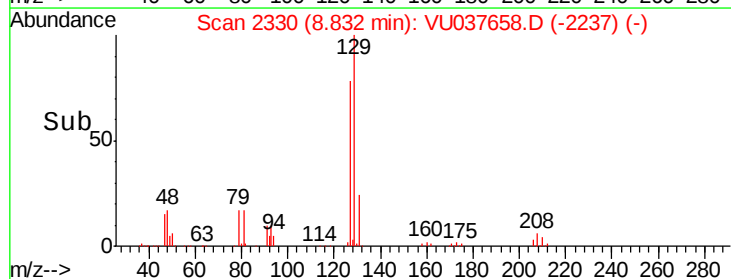
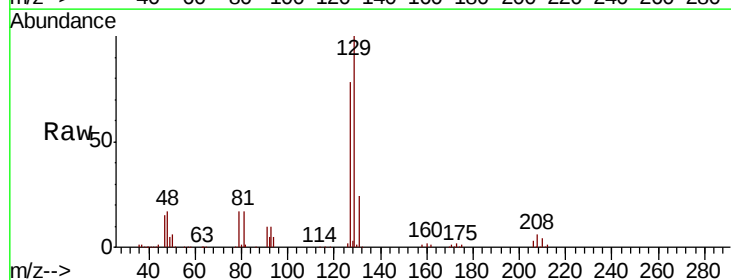
Instrument :
MSVOA_U
ClientSampled :

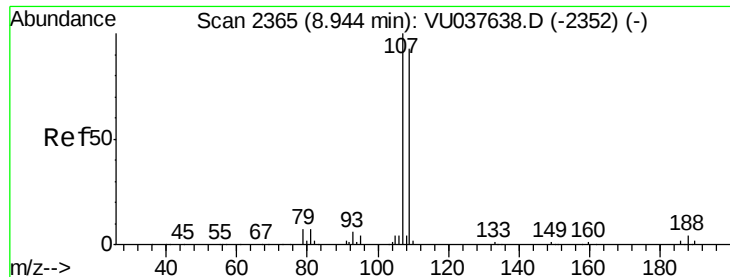
Tot Ion: 43 Resp: 592247
Ion Ratio Lower Upper
43 100
58 53.5 44.0 66.0
57 18.8 15.2 22.8
100 11.1 9.4 14.0



#49
Dibromochloromethane
Concen: 48.061 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037658.D
Acq: 10 Apr 2020 07:34

Tgt Ion: 129 Resp: 189882
Ion Ratio Lower Upper
129 100
127 77.8 55.2 102.6

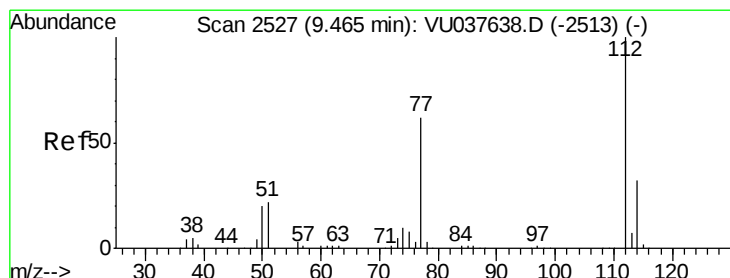
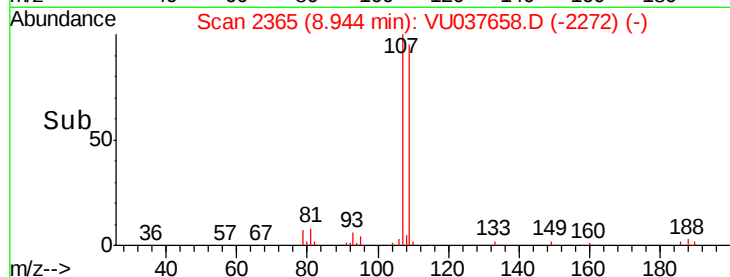
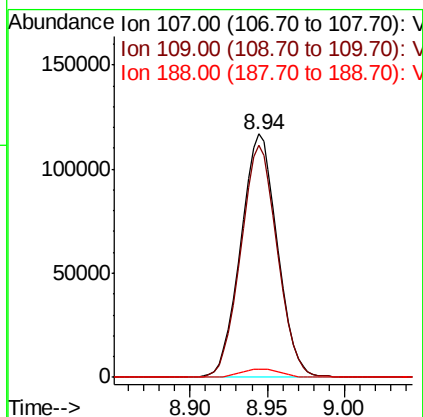
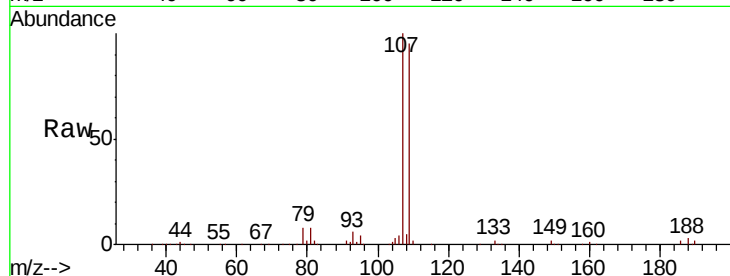




#50
 1,2-Dibromoethane
 Concen: 48.335 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU037658.D
 Acq: 10 Apr 2020 07:34

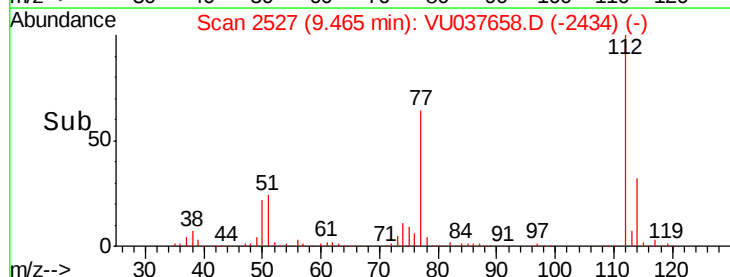
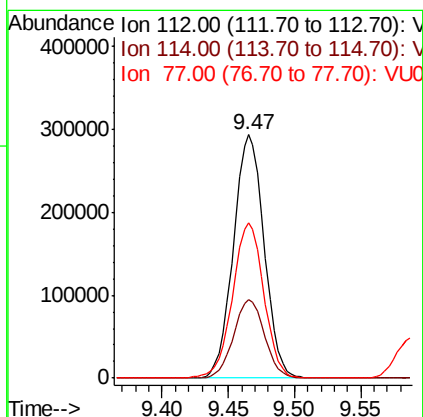
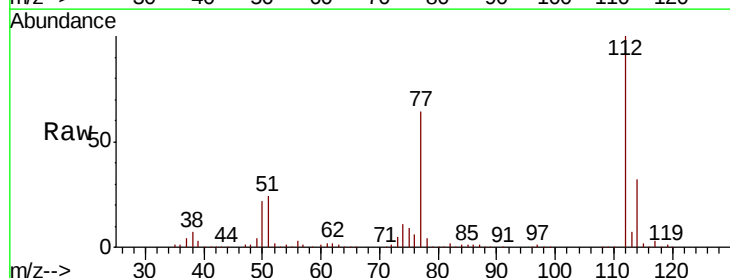
Instrument :
 MSVOA_U
 ClientSampleId :

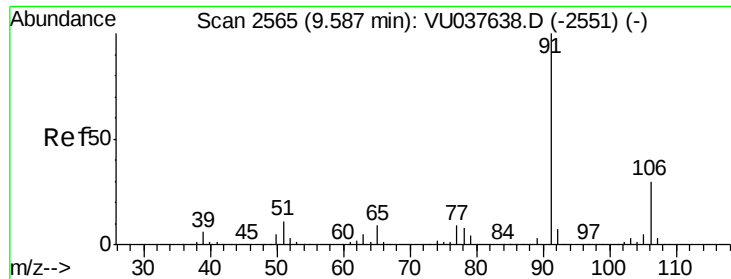
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	67.3	125.1
188	3.4	2.9	4.3



#51
 Chlorobenzene
 Concen: 47.453 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU037658.D
 Acq: 10 Apr 2020 07:34

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.4	41.6
77	63.9	49.2	73.8

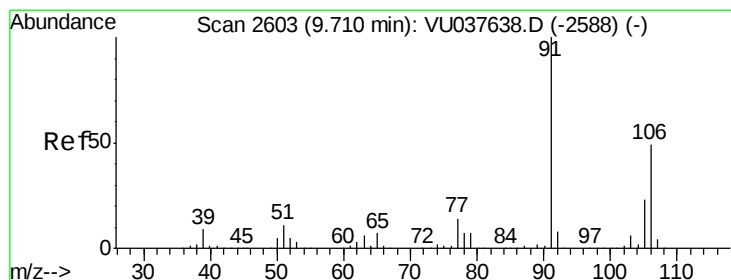
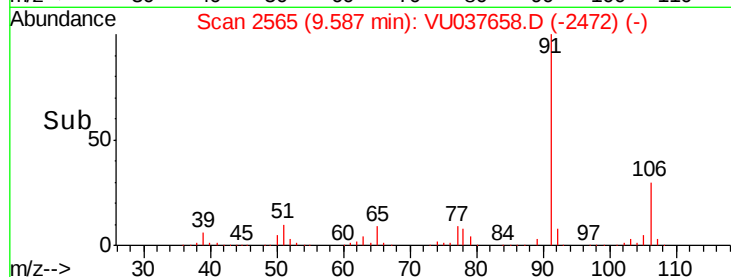
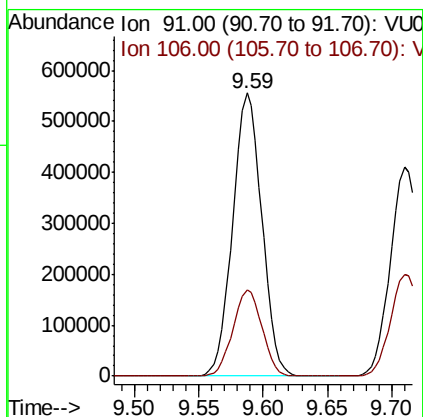
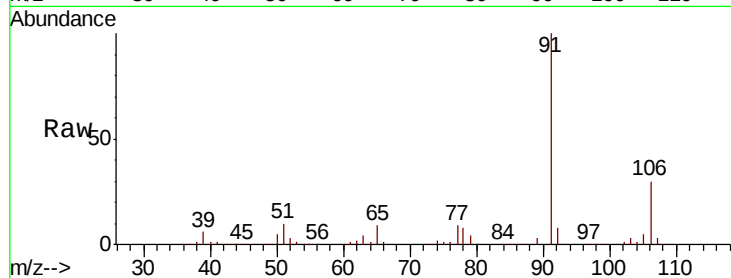




#52
Ethylbenzene
Concen: 48.711 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU037658.D
Acq: 10 Apr 2020 07:34

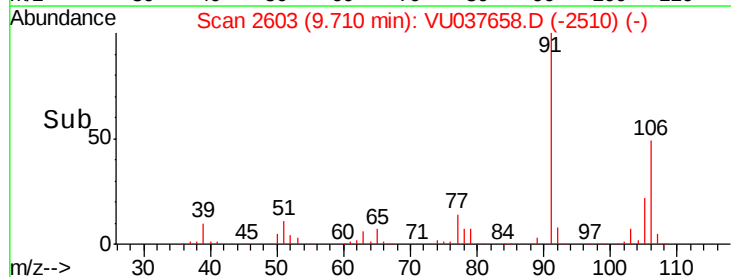
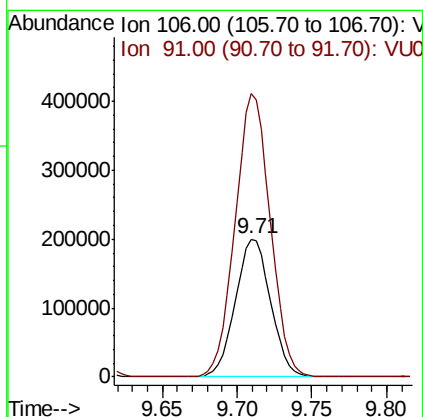
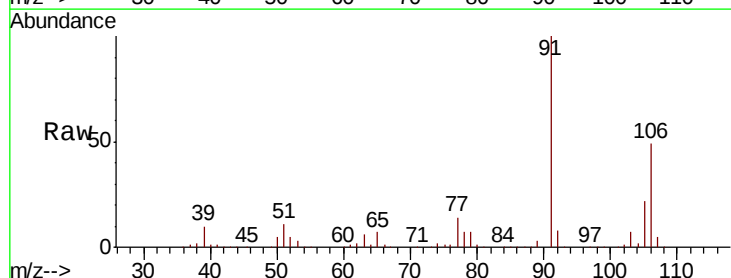
Instrument :
MSVOA_U
ClientSampleId :

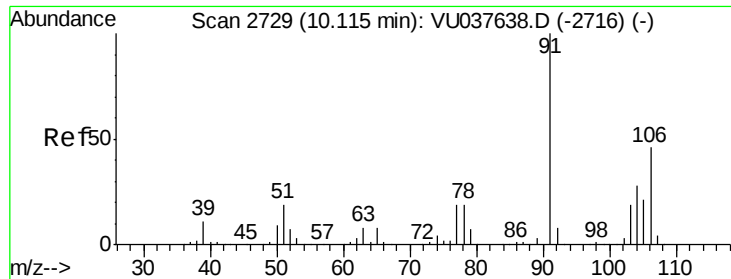
Tot Ion: 91 Resp: 871835
Ion Ratio Lower Upper
91 100
106 30.5 21.6 40.0



#53
m,p-Xylene
Concen: 48.161 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VU037658.D
Acq: 10 Apr 2020 07:34

Tgt Ion: 106 Resp: 327298
Ion Ratio Lower Upper
106 100
91 205.3 140.8 261.6





#54

o-xylene

Concen: 48.256 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU037658.D

Acq: 10 Apr 2020 07:34

Instrument :

MSVOA_U

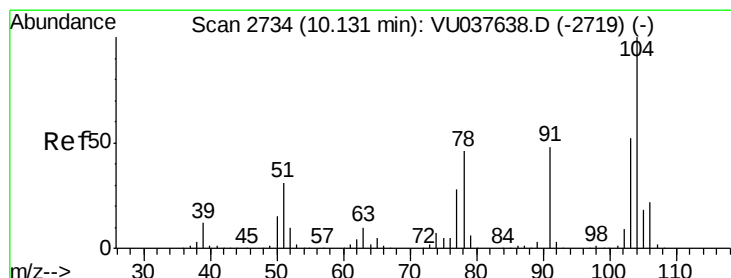
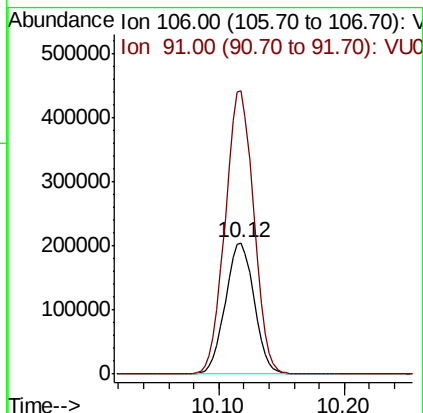
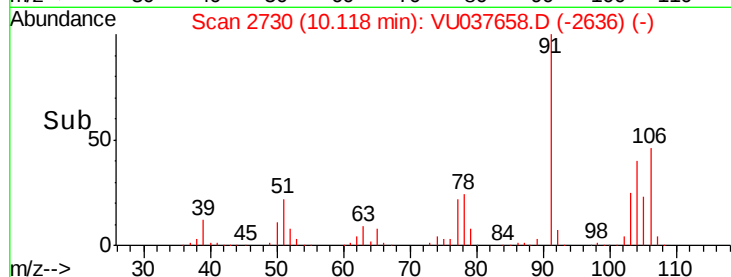
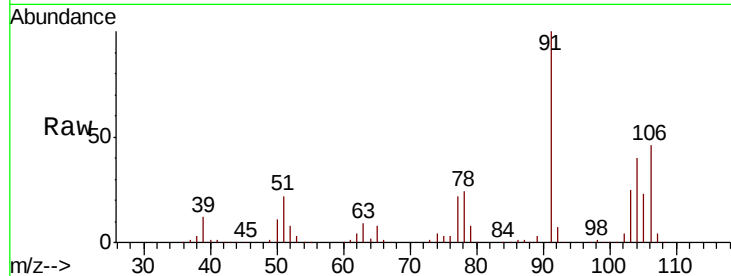
ClientSampled :

Tot Ion:106 Resp: 325252

Ion Ratio Lower Upper

106 100

91 215.8 151.1 280.5



#55

Styrene

Concen: 48.102 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU037658.D

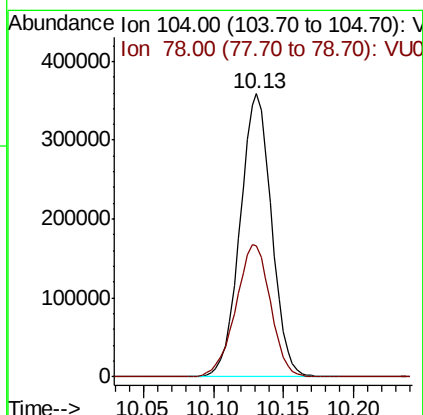
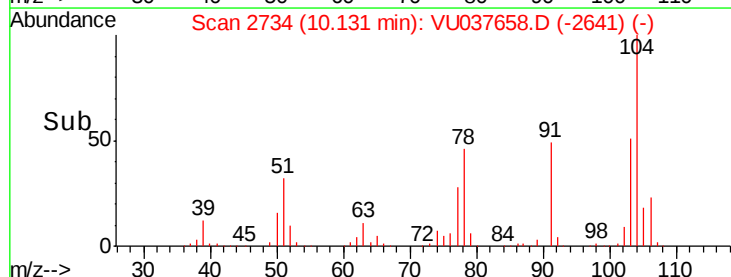
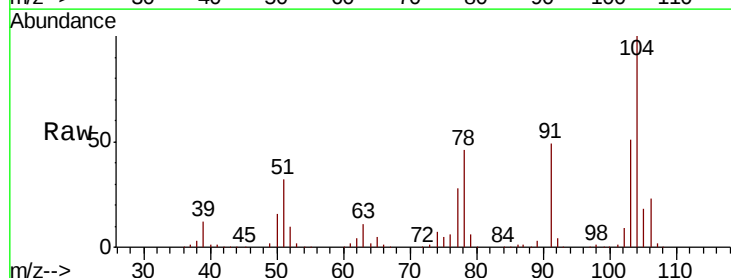
Acq: 10 Apr 2020 07:34

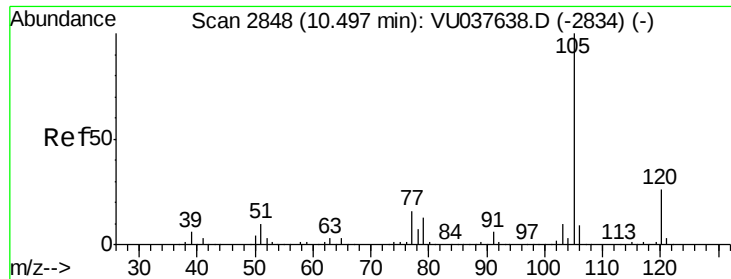
Tgt Ion:104 Resp: 562134

Ion Ratio Lower Upper

104 100

78 46.2 32.0 59.4





#56

Isopropylbenzene

Concen: 48.291 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037658.D

Acq: 10 Apr 2020 07:34

Instrument :

MSVOA_U

ClientSampleId :

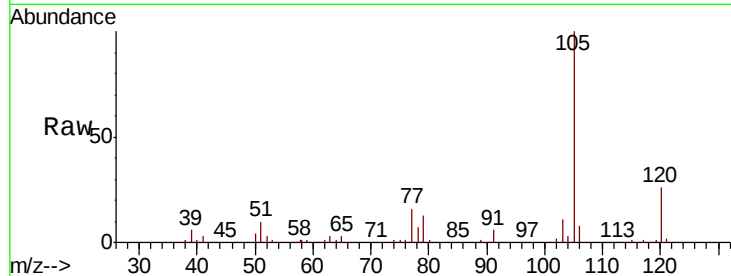
Tot Ion:105 Resp: 847503

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

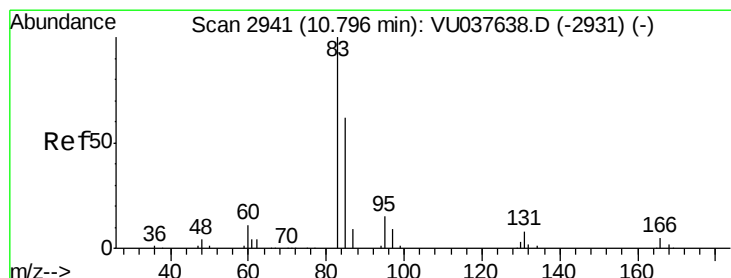
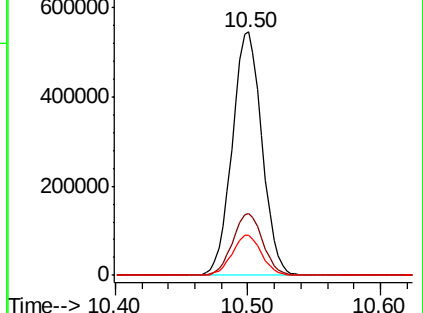
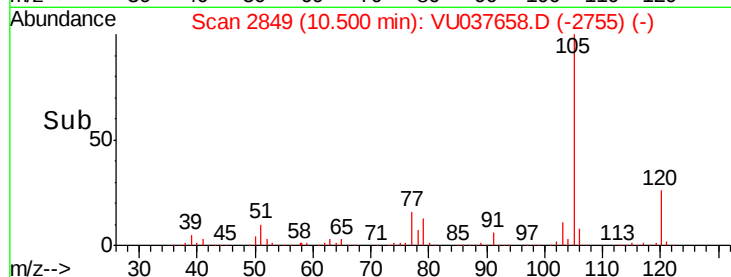
77 16.3 12.7 19.1



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: 48.613 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU037658.D

Acq: 10 Apr 2020 07:34

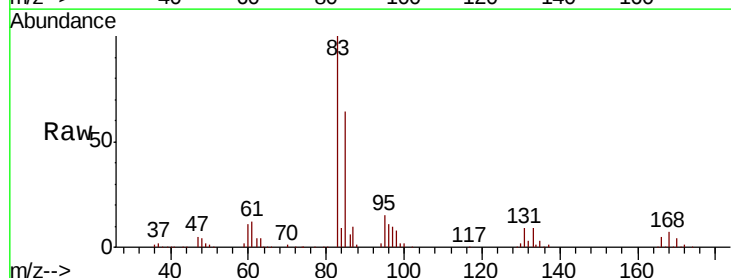
Tgt Ion: 83 Resp: 319816

Ion Ratio Lower Upper

83 100

85 64.3 44.2 82.2

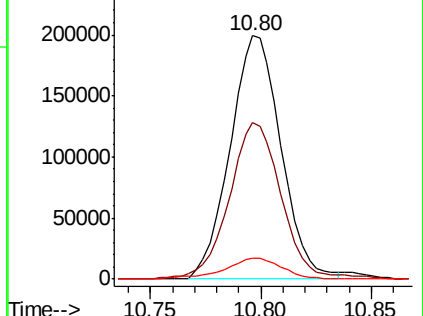
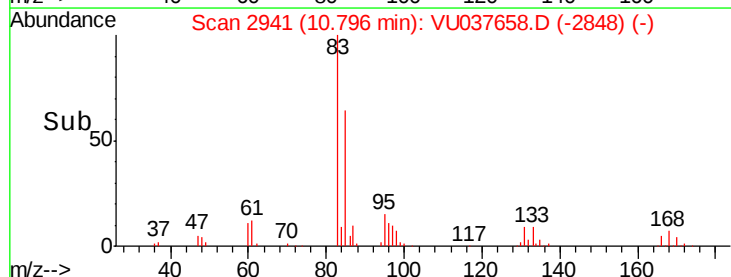
131 8.7 7.6 11.4

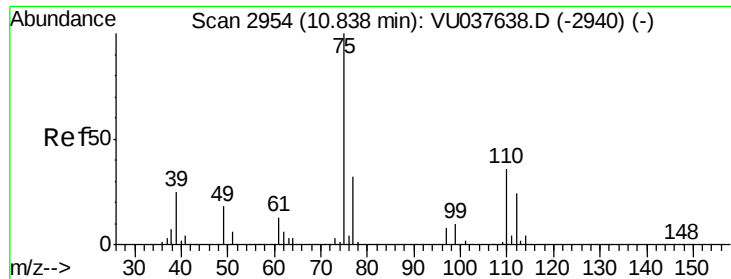


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.874 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU037658.D

Acq: 10 Apr 2020 07:34

Instrument :

MSVOA_U

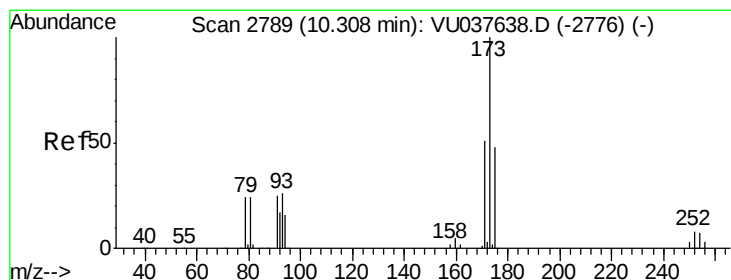
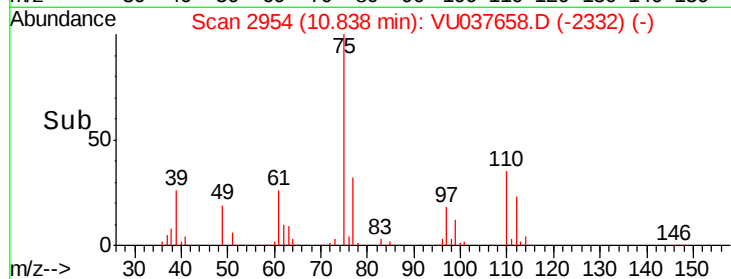
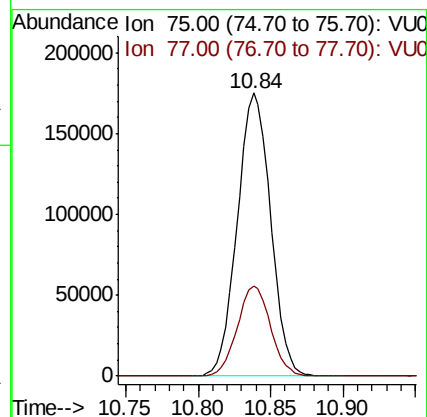
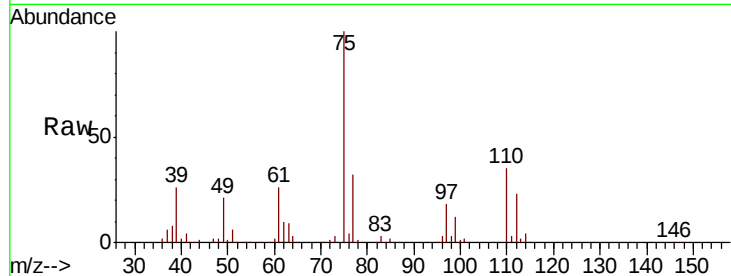
ClientSampleId :

Tot Ion: 75 Resp: 279772

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4



#61

Bromoform

Concen: 47.919 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU037658.D

Acq: 10 Apr 2020 07:34

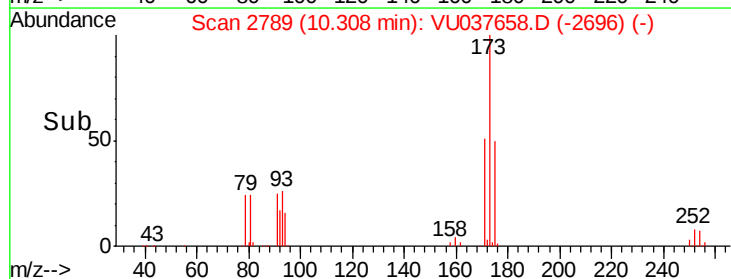
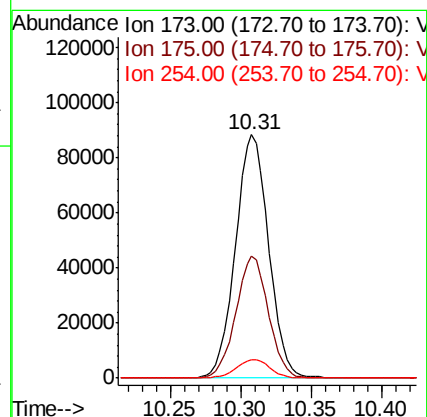
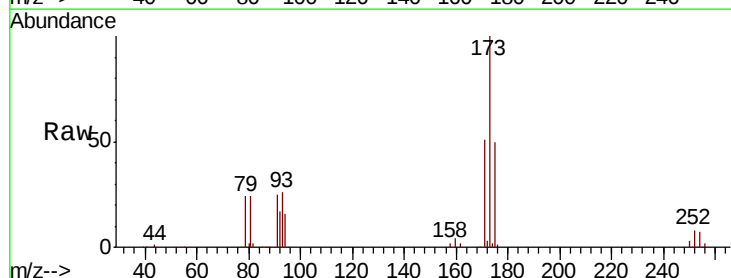
Tgt Ion:173 Resp: 145691

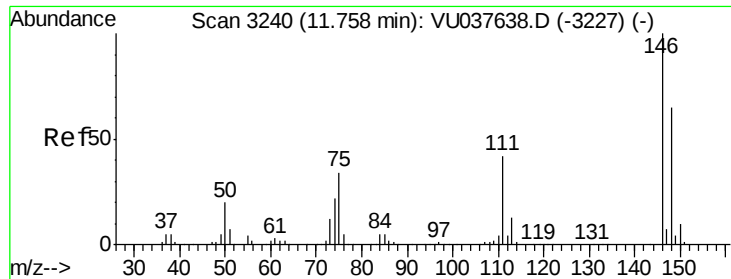
Ion Ratio Lower Upper

173 100

175 49.1 38.7 58.1

254 7.6 7.0 10.6

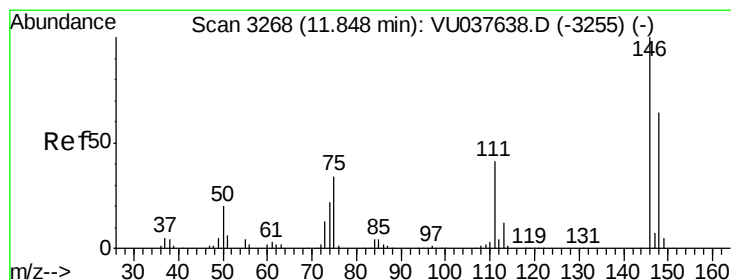
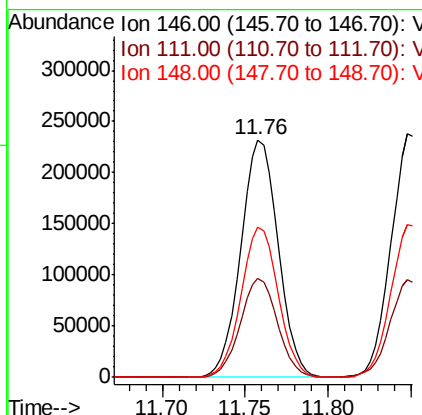
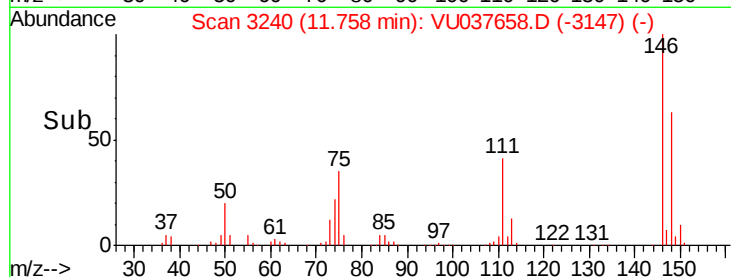
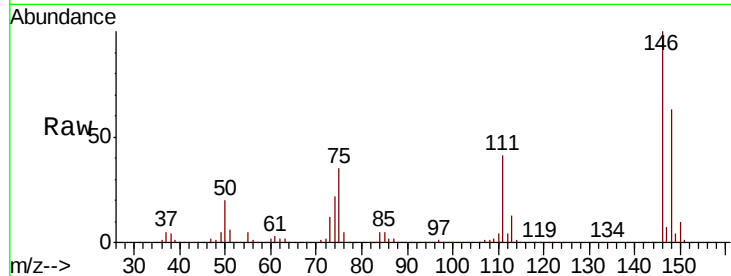




#62
 1,3-Dichlorobenzene
 Concen: 47.053 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU037658.D
 Acq: 10 Apr 2020 07:34

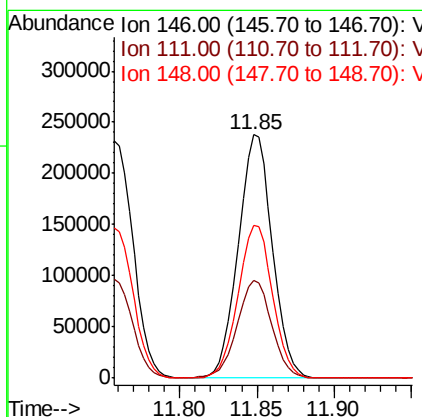
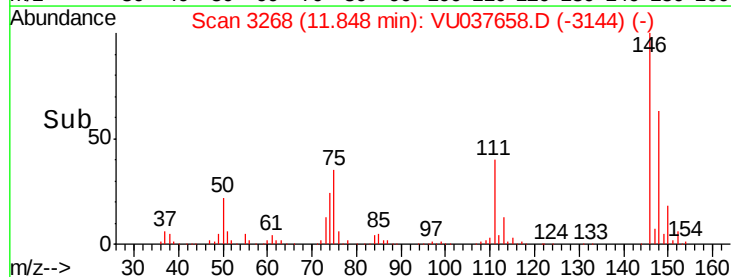
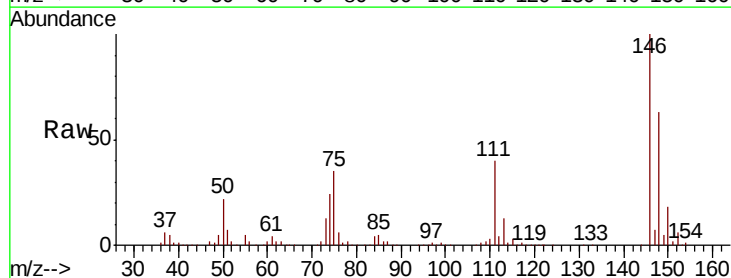
Instrument :
 MSVOA_U
 ClientSampleId :

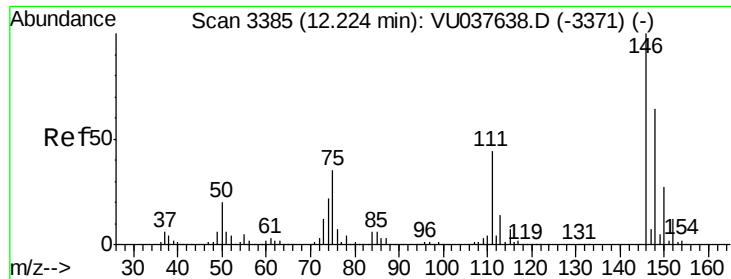
Tot Ion:146 Resp: 363348
 Ion Ratio Lower Upper
 146 100
 111 41.5 28.6 53.0
 148 63.1 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 46.923 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU037658.D
 Acq: 10 Apr 2020 07:34

Tgt Ion:146 Resp: 363545
 Ion Ratio Lower Upper
 146 100
 111 40.2 27.2 50.6
 148 62.6 44.9 83.3

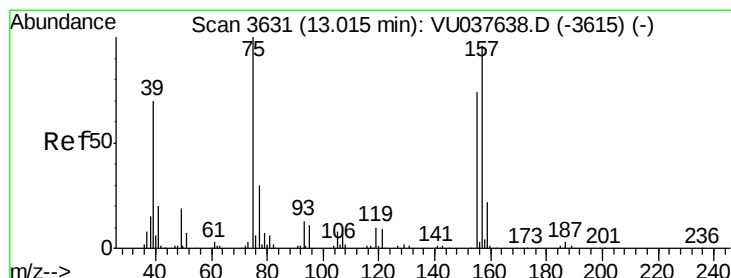
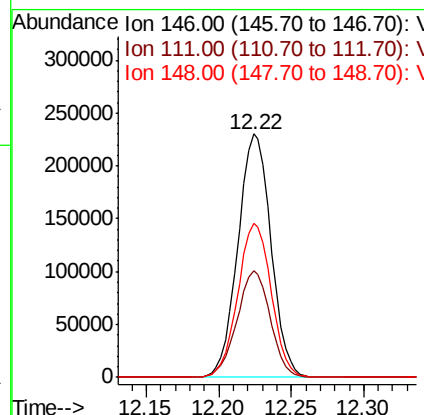
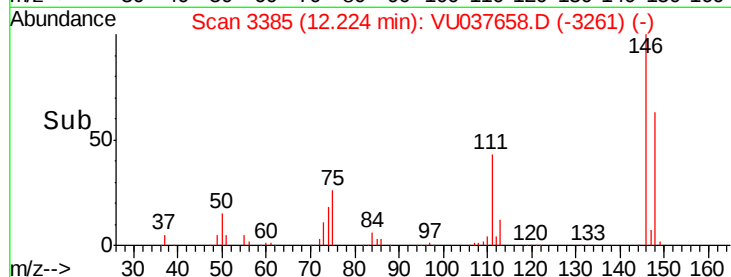
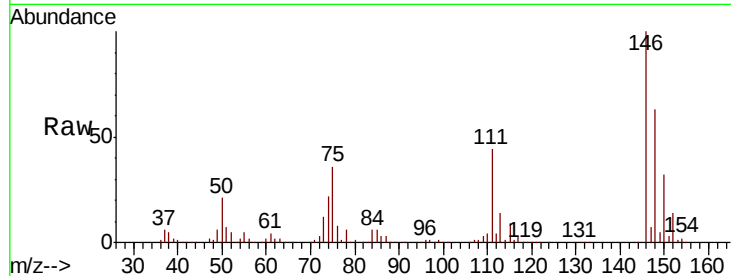




#65
 1,2-Dichlorobenzene
 Concen: 47.782 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU037658.D
 Acq: 10 Apr 2020 07:34

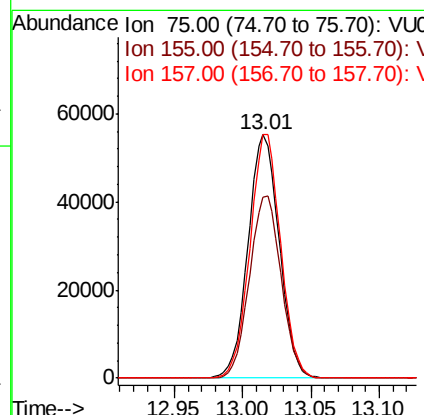
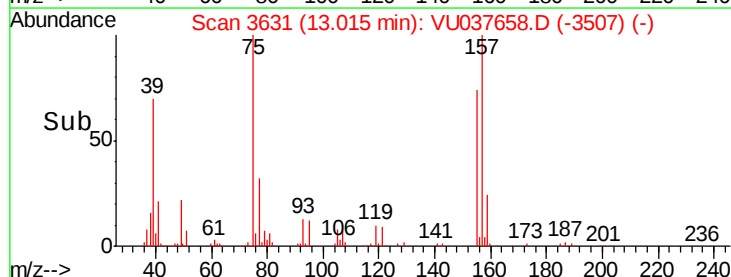
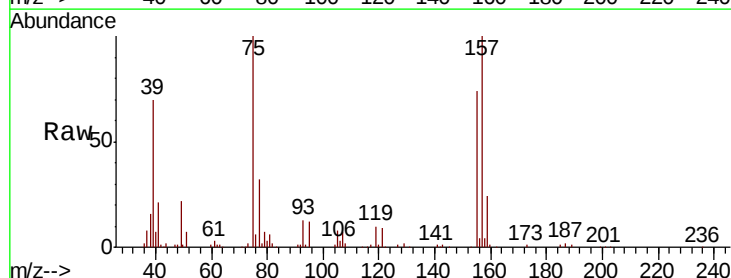
Instrument :
 MSVOA_U
 ClientSampleId :

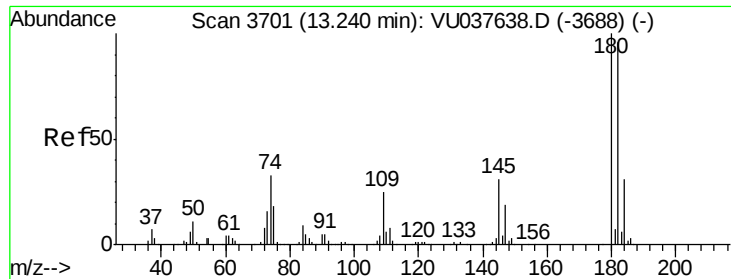
Tot Ion:146 Resp: 363629
 Ion Ratio Lower Upper
 146 100
 111 43.8 34.2 51.4
 148 63.3 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.788 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU037658.D
 Acq: 10 Apr 2020 07:34

Tgt Ion: 75 Resp: 87772
 Ion Ratio Lower Upper
 75 100
 155 74.4 60.9 91.3
 157 99.8 78.8 118.2

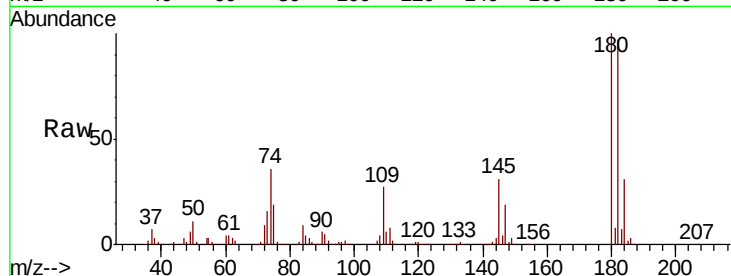




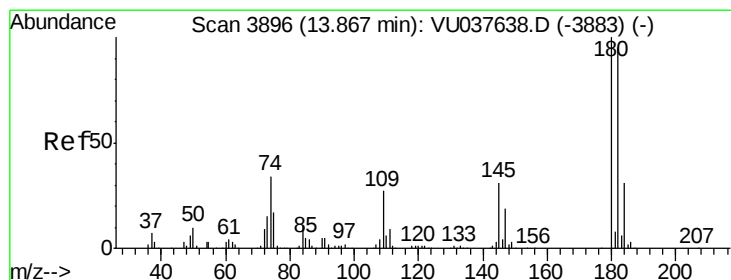
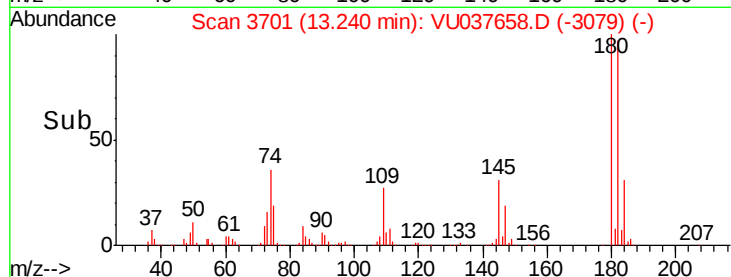
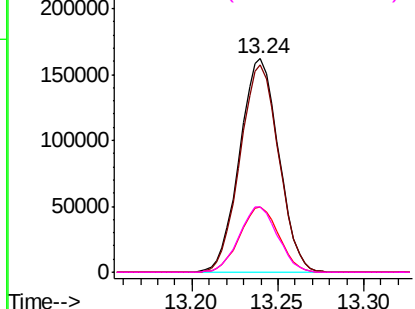
#67
 1,3,5-Trichlorobenzene
 Concen: 45.292 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU037658.D
 Acq: 10 Apr 2020 07:34

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	255731
Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.2	114.4
184	30.6	24.7	37.1
145	30.2	23.8	35.6

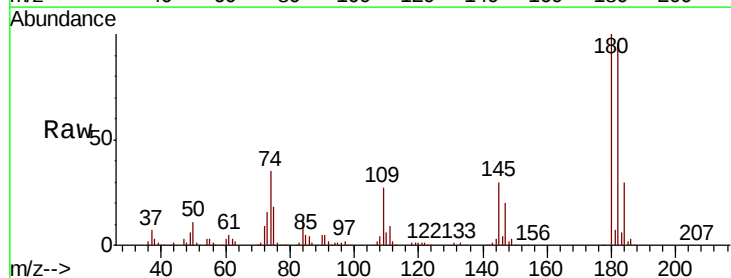


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

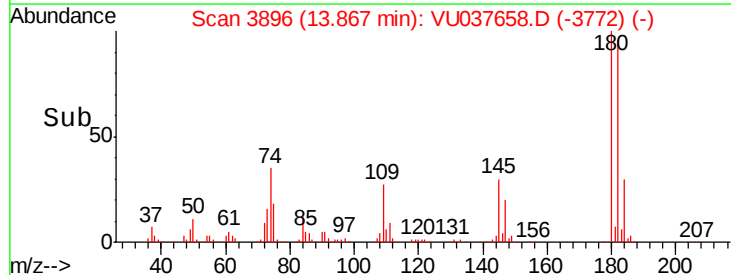
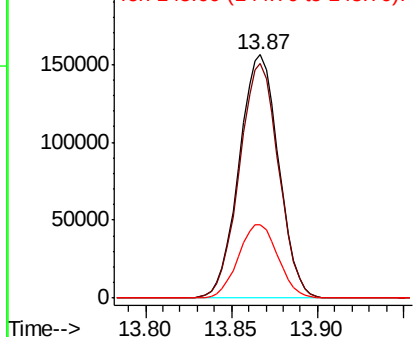


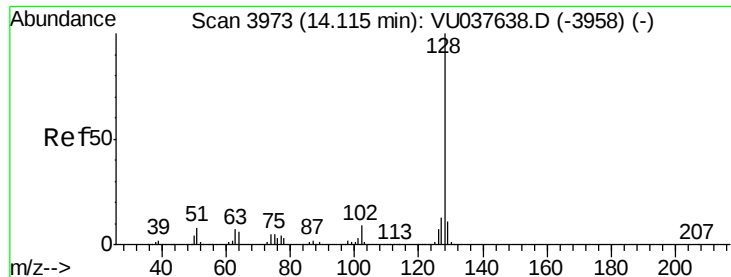
#68
 1,2,4-trichlorobenzene
 Concen: 45.710 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU037658.D
 Acq: 10 Apr 2020 07:34

Tgt Ion:	180	Resp:	248930
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.5	114.7
145	30.5	23.8	35.6



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





#69

Naphthalene

Concen: 45.620 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU037658.D

Acq: 10 Apr 2020 07:34

Instrument :

MSVOA_U

ClientSampleId :

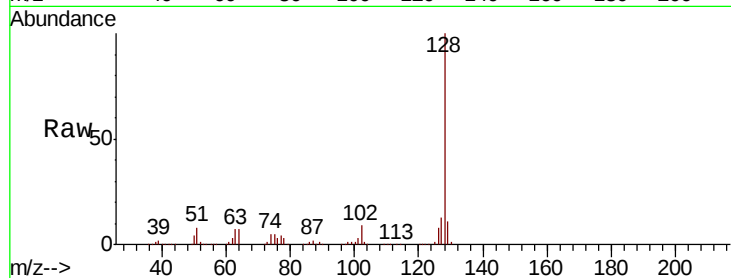
Tot Ion:128 Resp: 916688

Ion Ratio Lower Upper

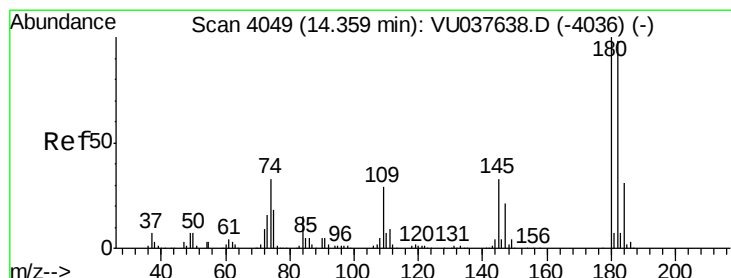
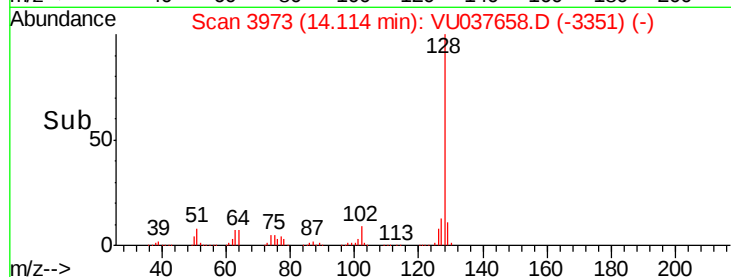
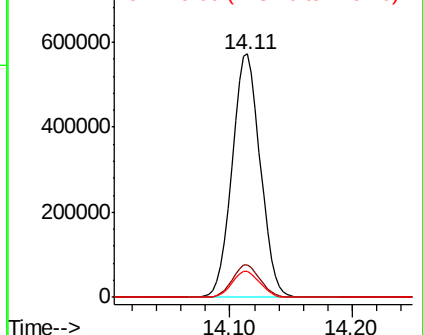
128 100

127 13.2 10.5 15.7

129 10.7 8.6 13.0



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: 45.765 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU037658.D

Acq: 10 Apr 2020 07:34

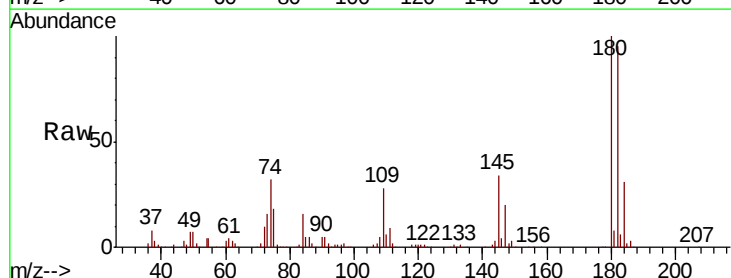
Tgt Ion:180 Resp: 248325

Ion Ratio Lower Upper

180 100

182 93.9 75.6 113.4

145 33.3 25.8 38.8



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

