

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
 Data File : VU037237.D
 Acq On : 13 Mar 2020 12:26
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 13 23:08:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 23:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	409205	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	413529	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	211314	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	131745	41.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.20%
7) Chloroethane-d5	1.93	69	115836	45.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.74%
11) 1,1-Dichloroethene-d2	2.59	63	260117	44.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.54%
21) 2-Butanone-d5	4.67	46	262156	104.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.60%
24) Chloroform-d	5.11	84	301028	49.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.88%
26) 1,2-Dichloroethane-d4	5.74	65	216034	48.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.94%
32) Benzene-d6	5.76	84	529047	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.96%
36) 1,2-Dichloropropane-d6	6.72	67	172686	46.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.68%
41) Toluene-d8	7.93	98	511674	47.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.04%
43) trans-1,3-Dichloropropene-	8.20	79	96634	47.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.28%
47) 2-Hexanone-d5	8.66	63	199586	103.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.45%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	276621	47.92	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.84%
64) 1,2-Dichlorobenzene-d4	12.21	152	213161	48.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.26%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	198326	47.426	ug/L 98
3) Chloromethane	1.54	50	175257	51.244	ug/L 99
5) Vinyl chloride	1.62	62	180855	48.255	ug/L 100
6) Bromomethane	1.87	94	80127	55.695	ug/L 99
8) Chloroethane	1.95	64	105737	48.156	ug/L 100
9) Trichlorofluoromethane	2.16	101	281679	49.223	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	132607	49.618	ug/L 99
12) 1,1-Dichloroethene	2.60	96	118813	49.199	ug/L 87
13) Acetone	2.66	43	191490	80.529	ug/L 100
14) Carbon disulfide	2.82	76	322729	47.136	ug/L 100
15) Methyl Acetate	2.98	43	185645	49.637	ug/L 98
16) Methylene chloride	3.08	84	147288	48.863	ug/L 94
17) trans-1,2-Dichloroethene	3.39	96	126964	50.181	ug/L 92
18) Methyl tert-butyl Ether	3.40	73	487378	49.881	ug/L 100
19) 1,1-Dichloroethane	3.91	63	277863	49.080	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	152603	49.865	ug/L 94
22) 2-Butanone	4.75	43	285589	94.958	ug/L 100

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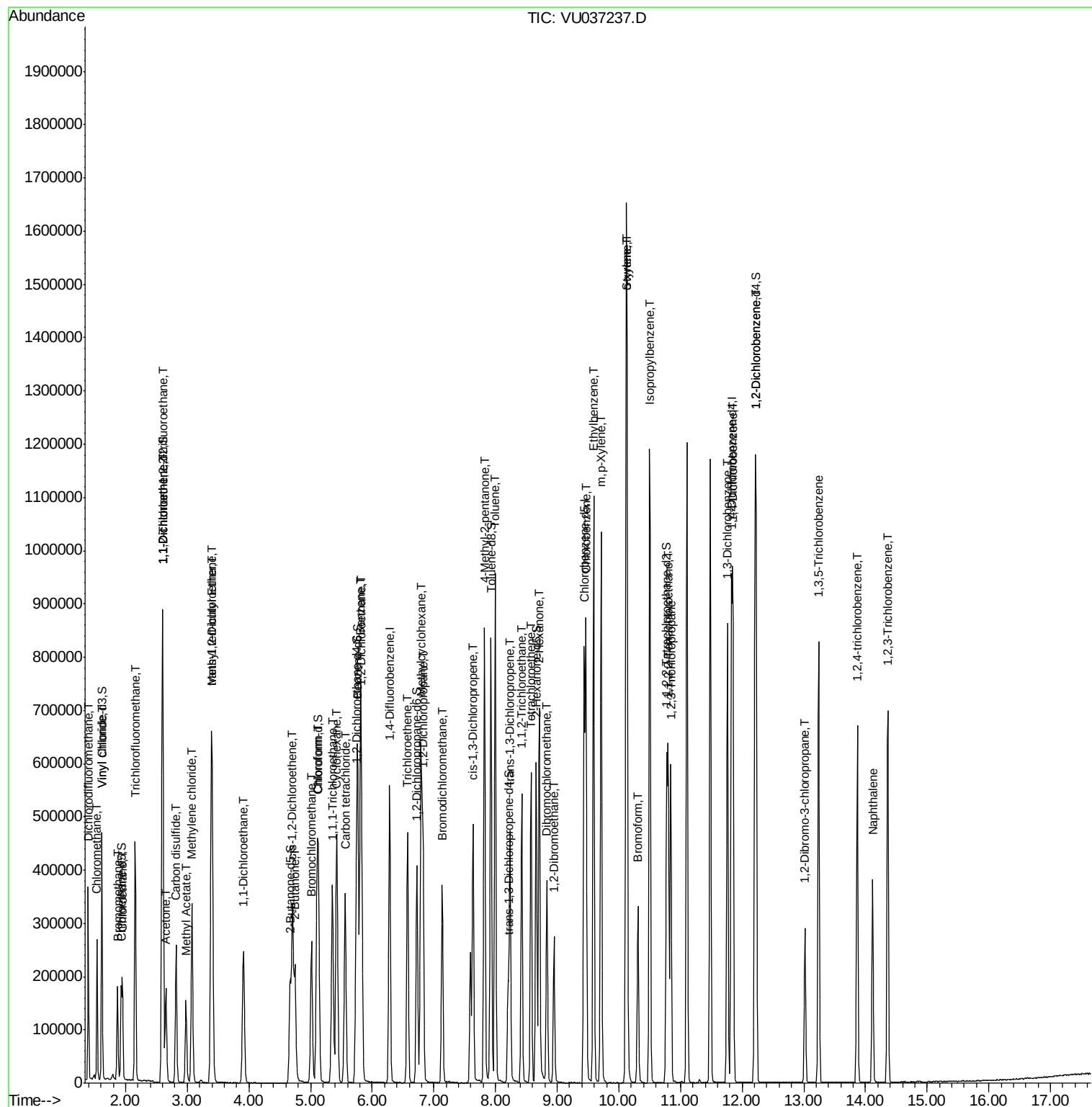
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	76203	49.377	ug/L	96
25) Chloroform	5.13	83	298133	48.699	ug/L	98
27) 1,2-Dichloroethane	5.83	62	262610	48.143	ug/L	100
29) Cyclohexane	5.43	56	228011	46.640	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	265279	48.330	ug/L	99
31) Carbon tetrachloride	5.56	117	235990	48.660	ug/L	100
33) Benzene	5.81	78	585125	48.005	ug/L	100
34) Trichloroethene	6.57	95	152755	48.228	ug/L	98
35) Methylcyclohexane	6.79	83	228744	47.702	ug/L	98
37) 1,2-Dichloropropane	6.82	63	164359	47.438	ug/L	100
38) Bromodichloromethane	7.13	83	228210	47.114	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	254820	47.434	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	550454	97.598	ug/L	98
42) Toluene	8.00	91	648091	48.690	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	248415	48.975	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	152581	48.366	ug/L	98
46) Tetrachloroethene	8.57	164	118197	50.230	ug/L	98
48) 2-Hexanone	8.71	43	431163	97.007	ug/L	98
49) Dibromochloromethane	8.83	129	183894	49.548	ug/L	99
50) 1,2-Dibromoethane	8.95	107	166876	49.017	ug/L	96
51) Chlorobenzene	9.47	112	403283	48.177	ug/L	100
52) Ethylbenzene	9.59	91	733952	47.621	ug/L	98
53) m,p-Xylene	9.71	106	269752	49.484	ug/L	97
54) o-xylene	10.12	106	265222	49.245	ug/L	94
55) Styrene	10.13	104	457476	50.088	ug/L	97
56) Isopropylbenzene	10.50	105	722961	48.295	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	278091	48.293	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	233154	48.410	ug/L	97
61) Bromoform	10.31	173	140554	47.622	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	324185	48.402	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	329463	48.669	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	334183	48.851	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	74003	49.068	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	236032	48.356	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	191254	50.178	ug/L	98
69) Naphthalene	14.11	128	280240	48.481	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	197036	49.261	ug/L	99

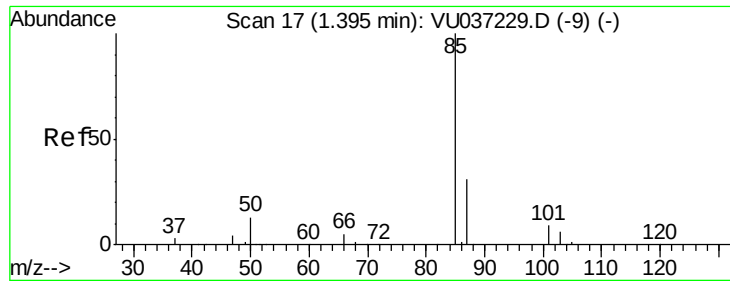
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.426 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

Instrument :

MSVOA_U

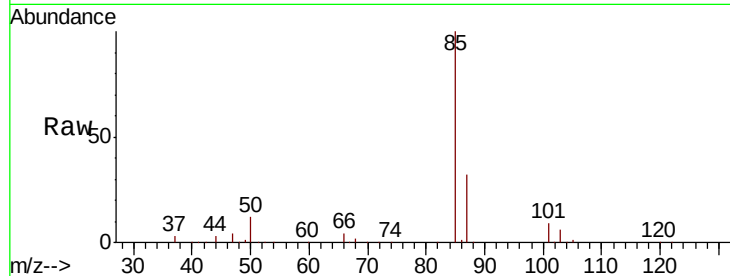
ClientSampled :

Tot Ion: 85 Resp: 198326

Ion Ratio Lower Upper

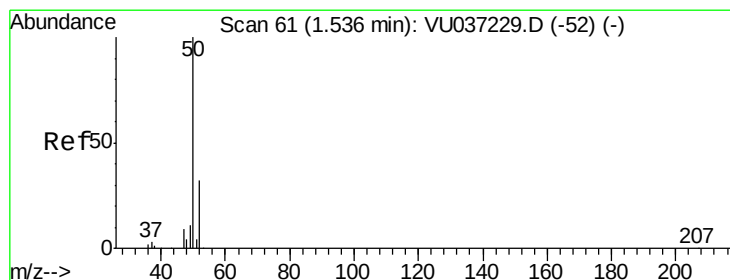
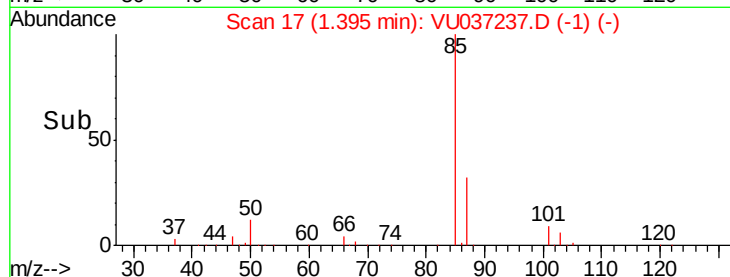
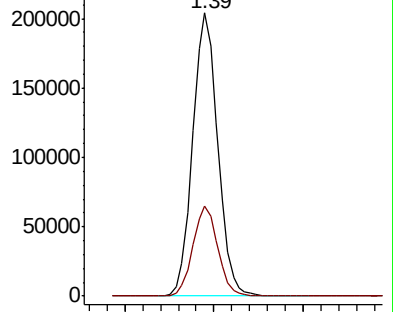
85 100

87 31.5 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU037229.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037229.D (-9) (-)



#3

Chloromethane

Concen: 51.244 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037237.D

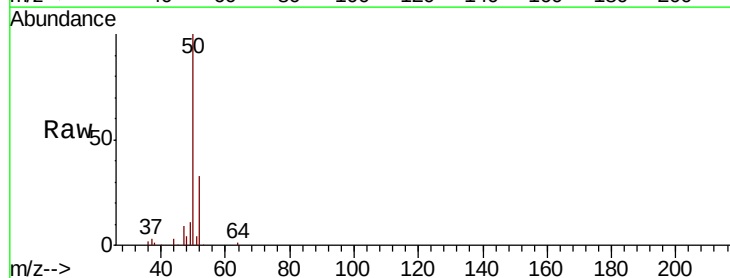
Acq: 13 Mar 2020 12:26

Tgt Ion: 50 Resp: 175257

Ion Ratio Lower Upper

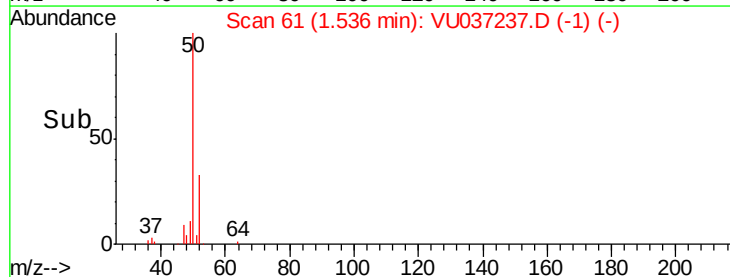
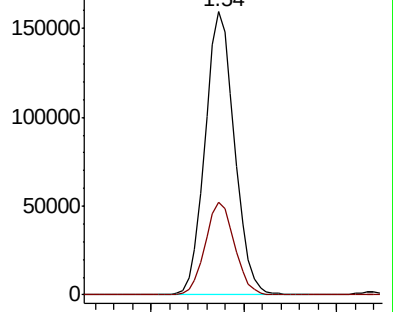
50 100

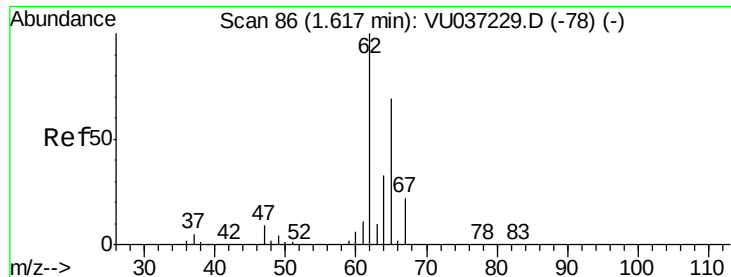
52 32.5 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU037229.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037229.D (-52) (-)





#5

Vinyl chloride

Concen: 48.255 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

Instrument :

MSVOA_U

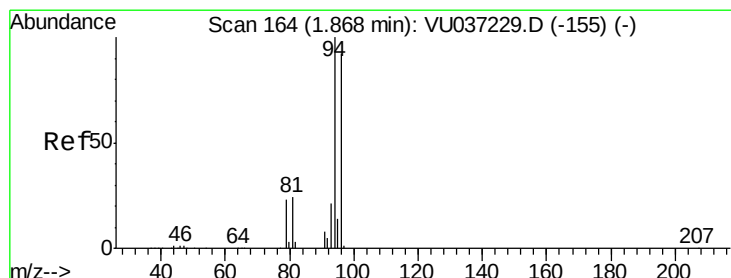
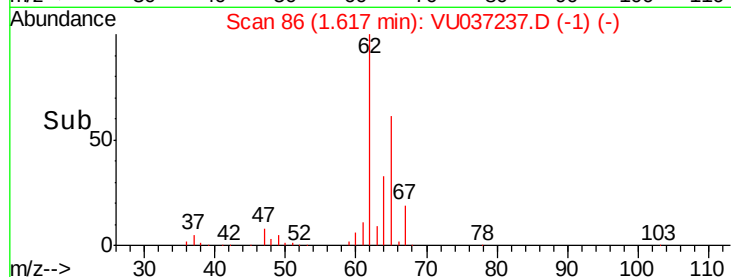
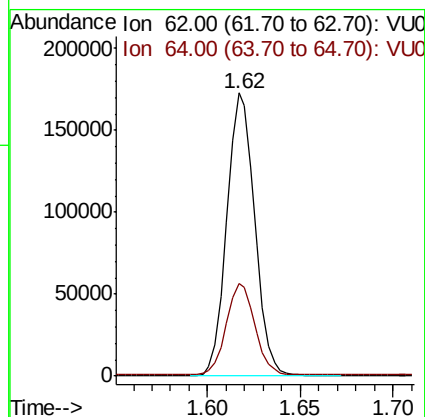
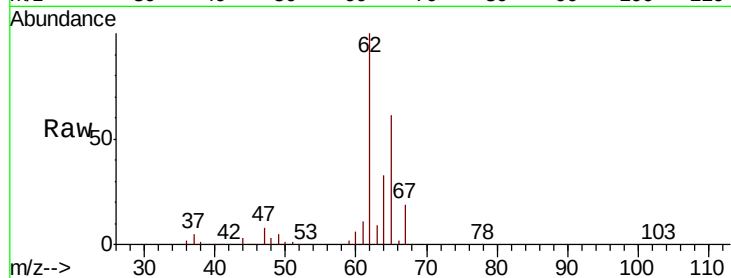
ClientSampleId :

Tot Ion: 62 Resp: 180855

Ion Ratio Lower Upper

62 100

64 32.8 23.1 42.9



#6

Bromomethane

Concen: 55.695 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU037237.D

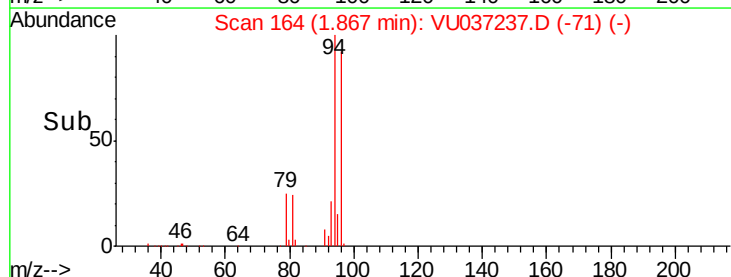
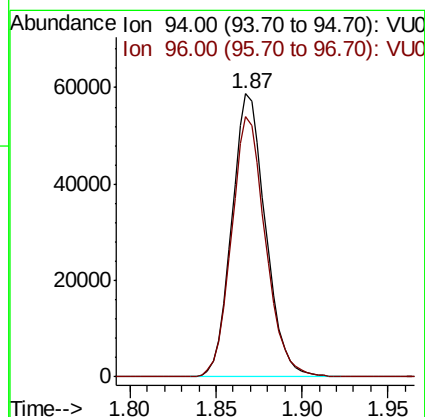
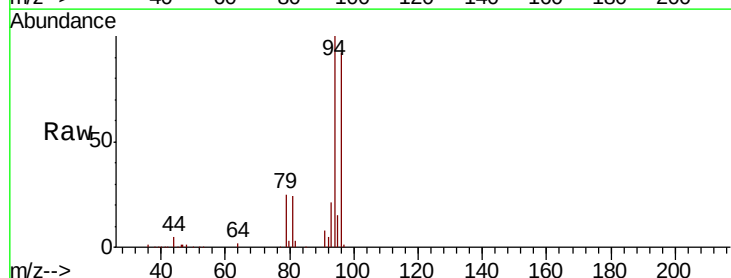
Acq: 13 Mar 2020 12:26

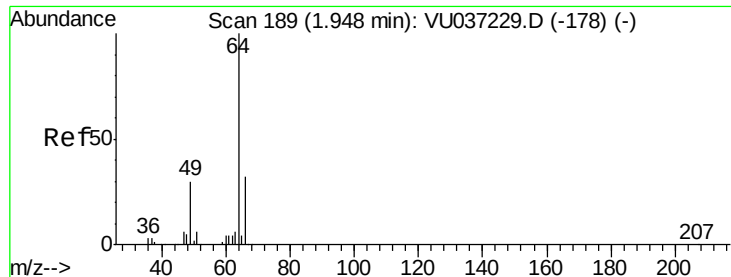
Tgt Ion: 94 Resp: 80127

Ion Ratio Lower Upper

94 100

96 92.0 63.5 117.9

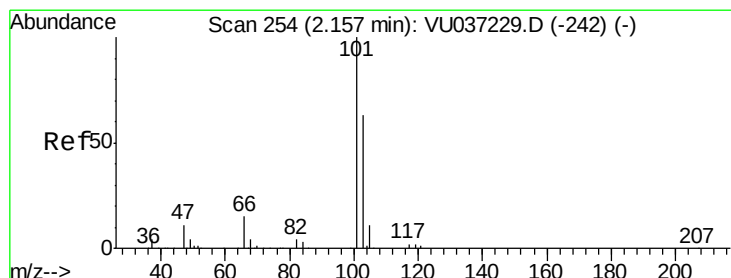
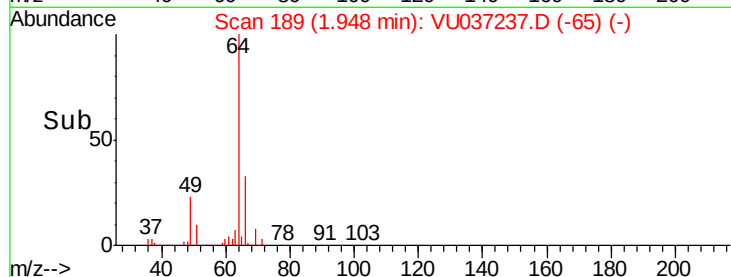
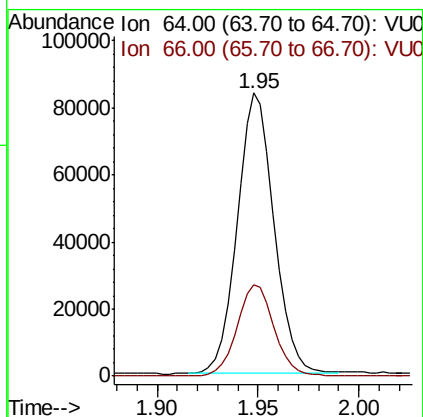
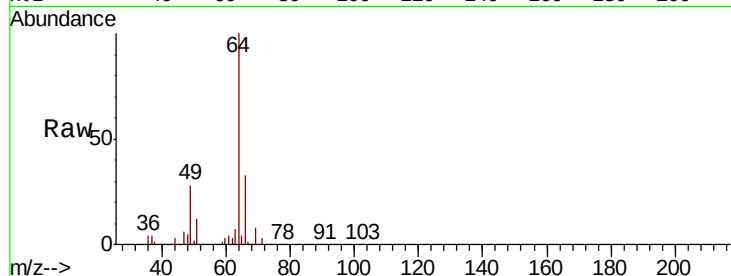




#8
Chloroethane
Concen: 48.156 ug/L
RT: 1.95 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU037237.D
Acq: 13 Mar 2020 12:26

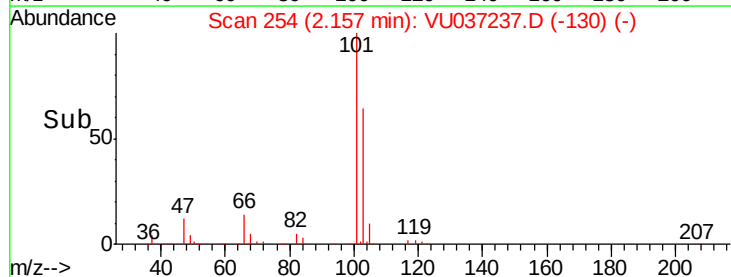
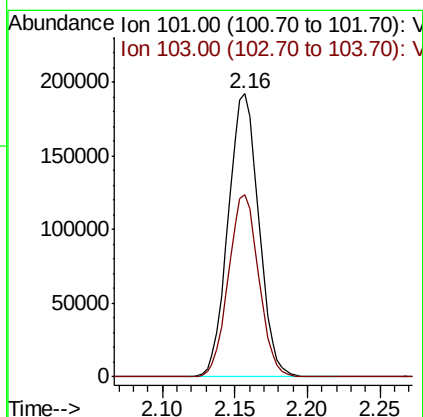
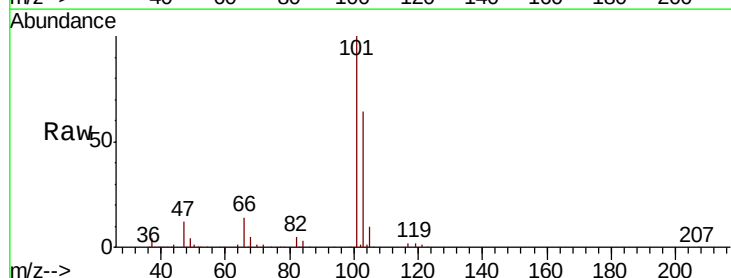
Instrument :
MSVOA_U
ClientSampleId :

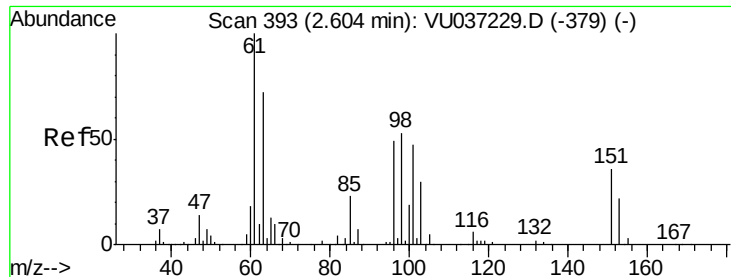
Tot Ion: 64 Resp: 105737
Ion Ratio Lower Upper
64 100
66 32.5 22.6 42.0



#9
Trichlorofluoromethane
Concen: 49.223 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037237.D
Acq: 13 Mar 2020 12:26

Tgt Ion: 101 Resp: 281679
Ion Ratio Lower Upper
101 100
103 63.7 51.1 76.7





#10

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

Concen: 49.618 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

Instrument :

MSVOA_U

ClientSampleId :

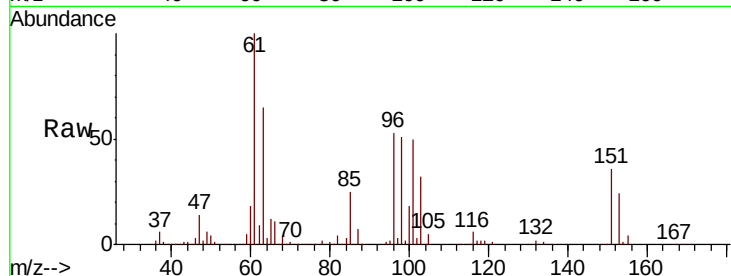
Tot Ion:101 Resp: 132607

Ion Ratio Lower Upper

101 100

85 48.2 37.8 56.6

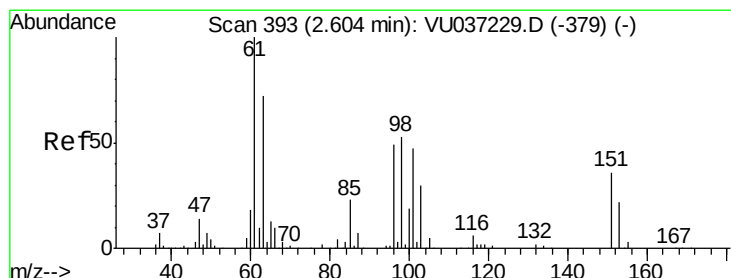
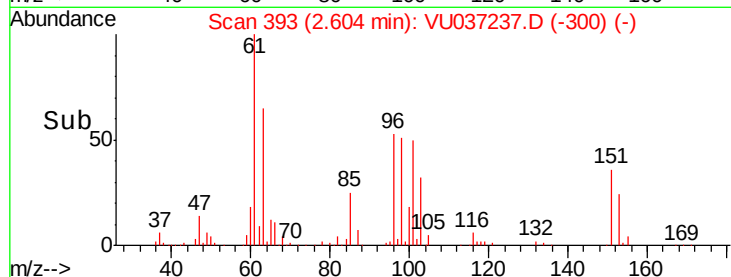
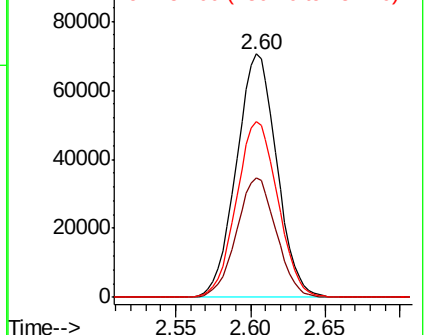
151 74.2 58.5 87.7



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: 49.199 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

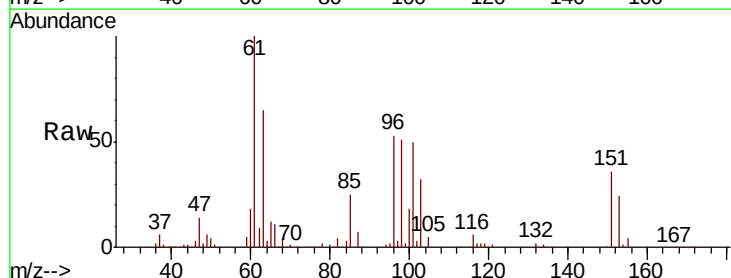
Tgt Ion: 96 Resp: 118813

Ion Ratio Lower Upper

96 100

61 188.7 138.8 257.8

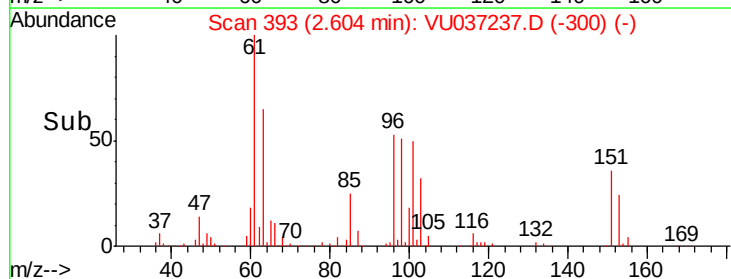
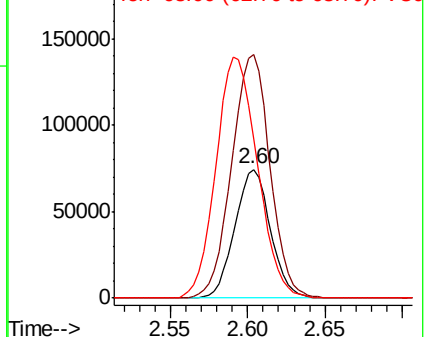
63 123.2 106.4 197.6

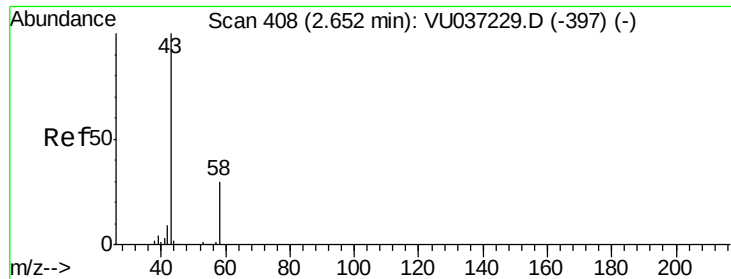


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 80.529 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

Instrument :

MSVOA_U

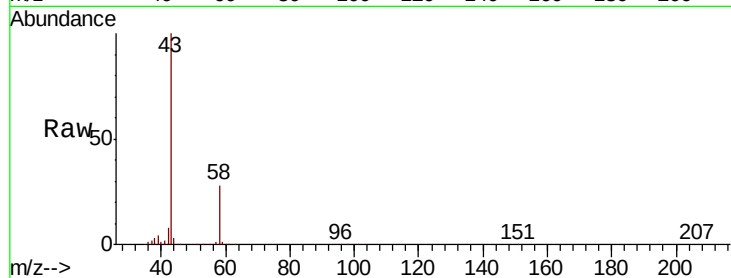
ClientSampleId :

Tot Ion: 43 Resp: 191490

Ion Ratio Lower Upper

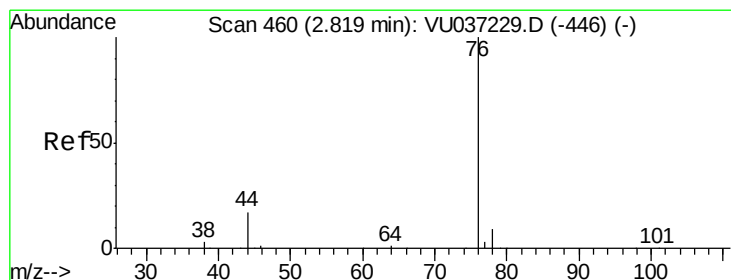
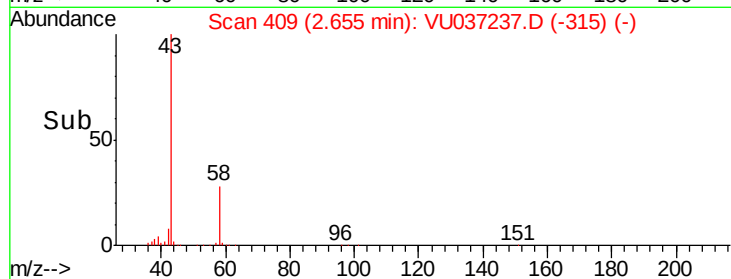
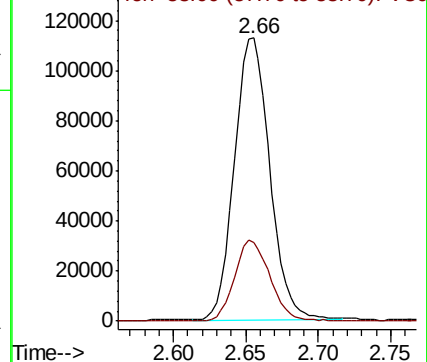
43 100

58 28.6 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VU037229.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU037229.D (-397) (-)



#14

Carbon disulfide

Concen: 47.136 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037237.D

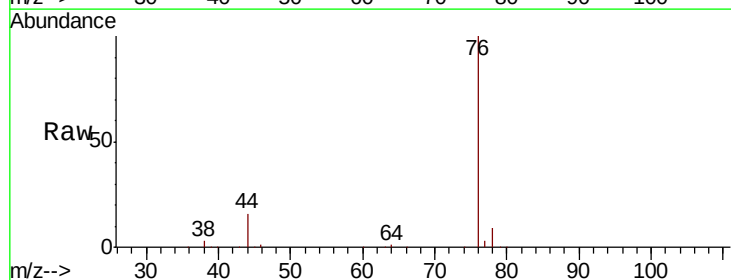
Acq: 13 Mar 2020 12:26

Tgt Ion: 76 Resp: 322729

Ion Ratio Lower Upper

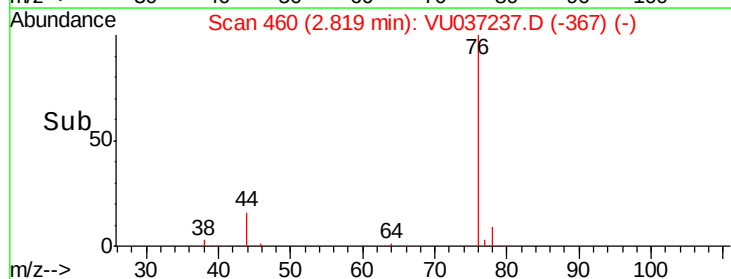
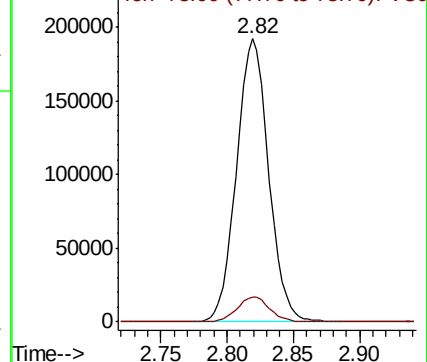
76 100

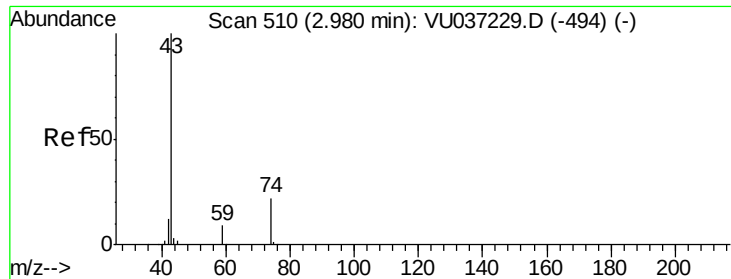
78 8.9 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VU037229.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037229.D (-446) (-)

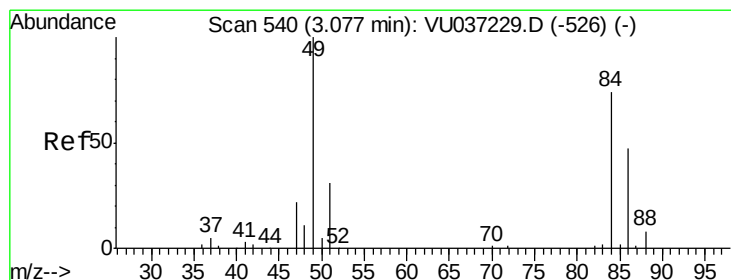
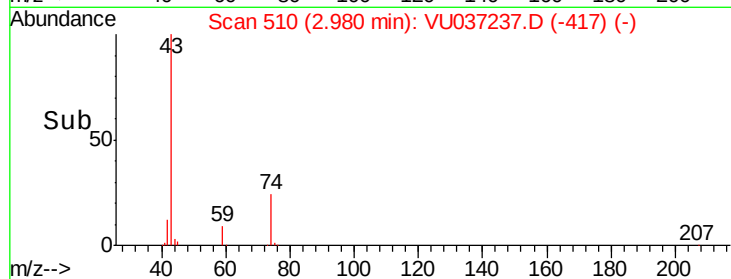
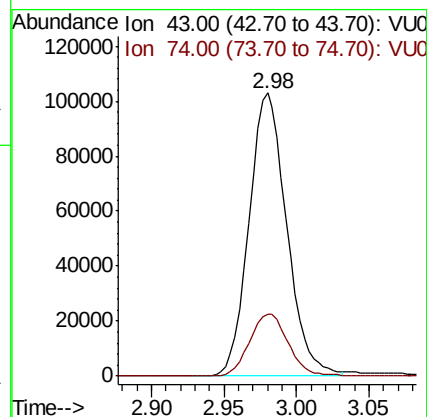
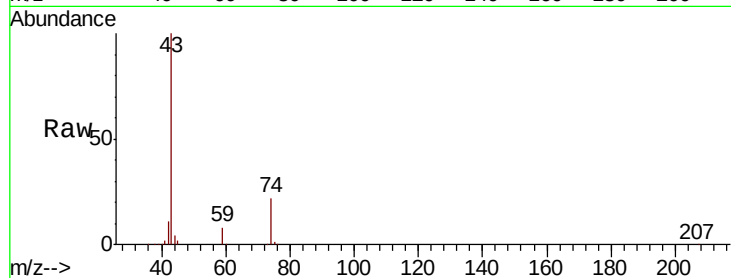




#15
Methvl Acetate
Concen: 49.637 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU037237.D
Acq: 13 Mar 2020 12:26

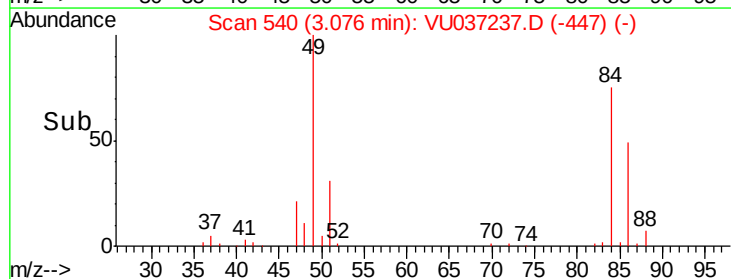
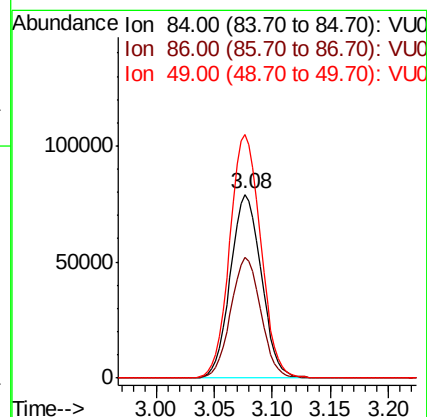
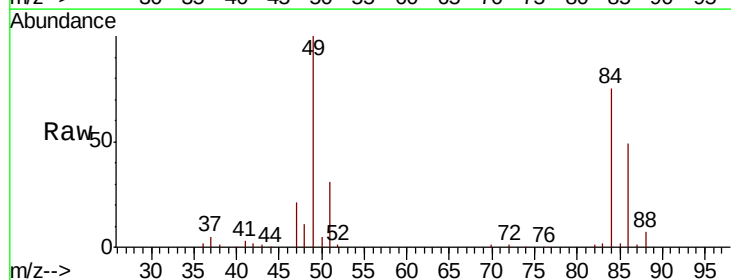
Instrument :
MSVOA_U
ClientSampleId :

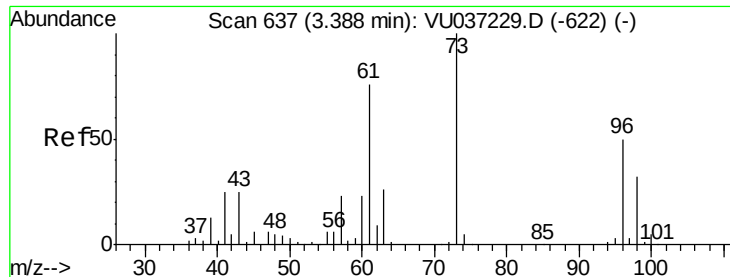
Tot Ion: 43 Resp: 185645
Ion Ratio Lower Upper
43 100
74 22.7 17.4 26.0



#16
Methylene chloride
Concen: 48.863 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037237.D
Acq: 13 Mar 2020 12:26

Tgt Ion: 84 Resp: 147288
Ion Ratio Lower Upper
84 100
86 65.5 44.0 81.6
49 132.5 98.6 183.2

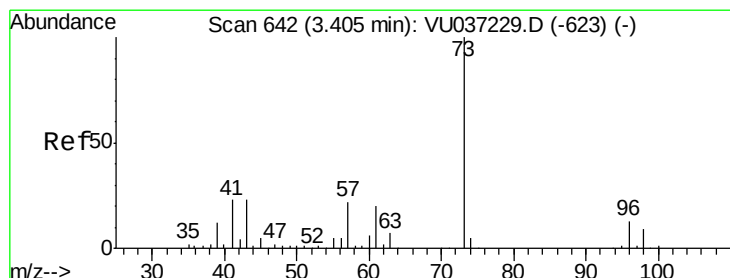
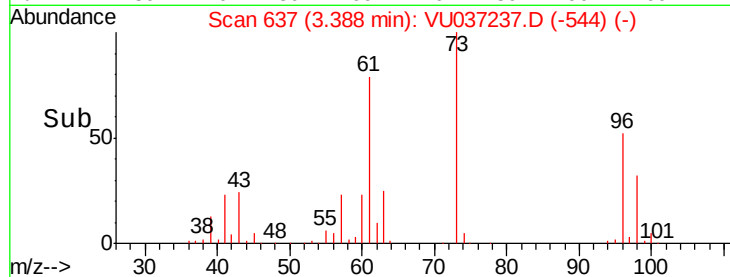
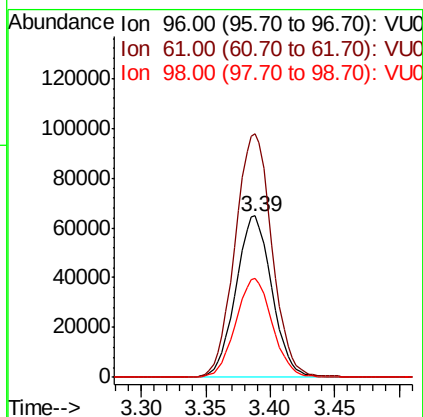
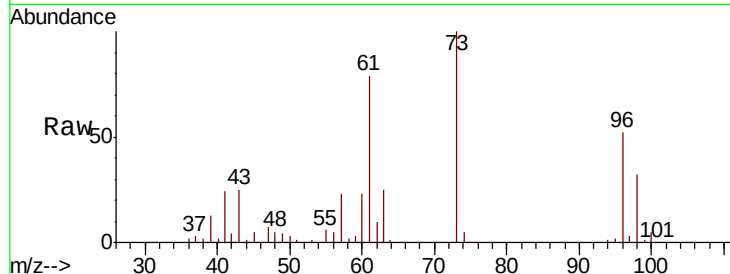




#17
trans-1,2-Dichloroethene
Concen: 50.181 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU037237.D
Acq: 13 Mar 2020 12:26

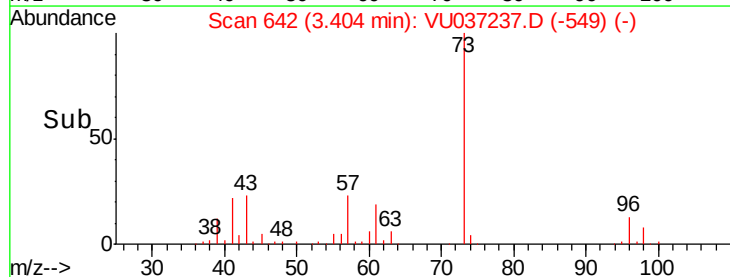
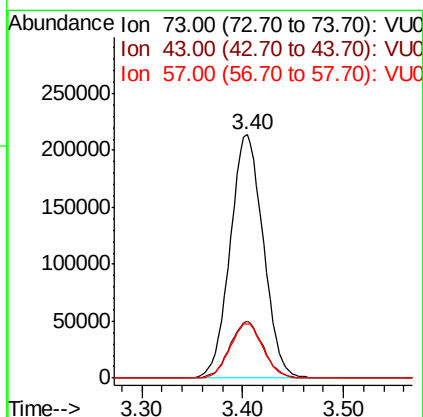
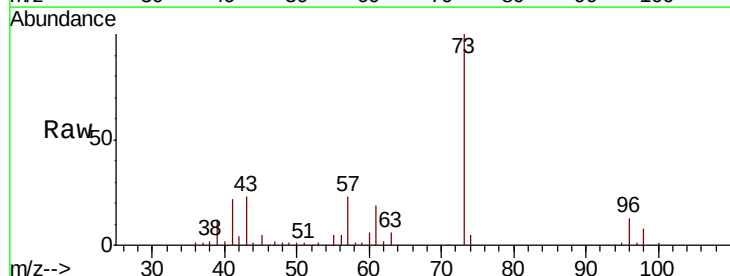
Instrument :
MSVOA_U
ClientSampleId :

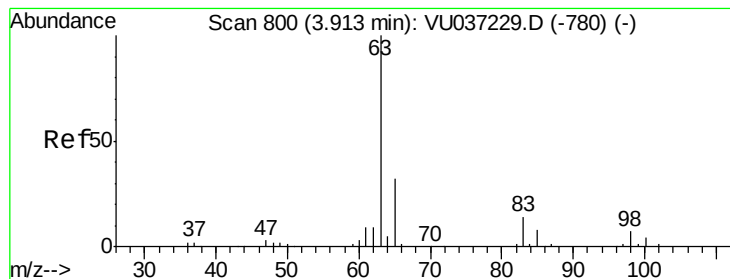
Tot Ion: 96 Resp: 126964
Ion Ratio Lower Upper
96 100
61 151.1 112.3 208.5
98 61.3 48.0 89.2



#18
Methyl tert-butyl Ether
Concen: 49.881 ug/L
RT: 3.40 min Scan# 642
Delta R.T. -0.00 min
Lab File: VU037237.D
Acq: 13 Mar 2020 12:26

Tgt Ion: 73 Resp: 487378
Ion Ratio Lower Upper
73 100
43 23.2 18.5 27.7
57 22.3 17.7 26.5





#19

1,1-Dichloroethane

Concen: 49.080 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

Instrument :

MSVOA_U

ClientSampleId :

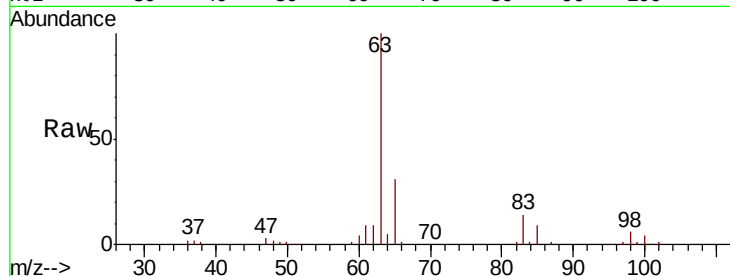
Tot Ion: 63 Resp: 277863

Ion Ratio Lower Upper

63 100

65 30.8 20.8 38.6

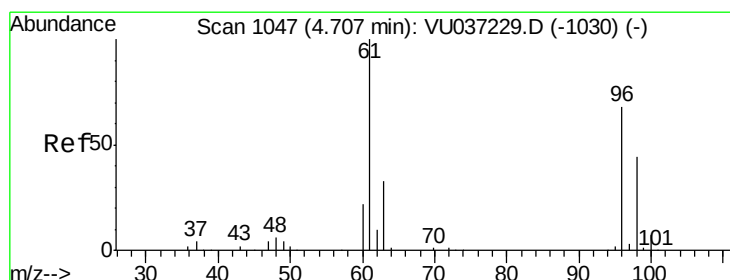
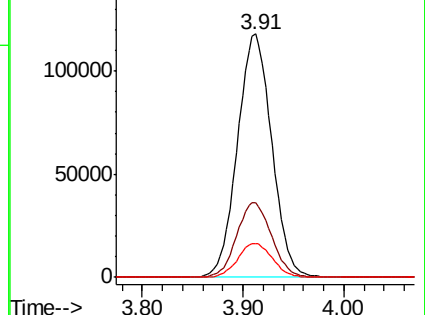
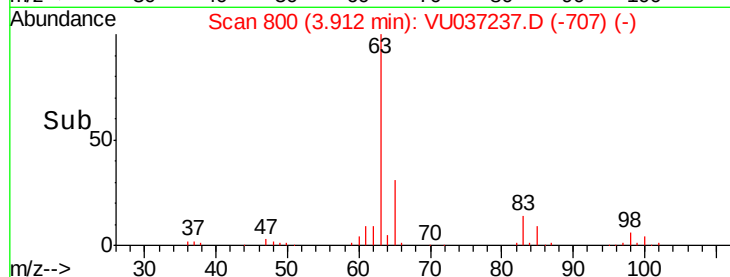
83 13.9 9.9 18.3



Abundance Ion 63.00 (62.70 to 63.70): VU037237.D (-707) (-)

Ion 65.00 (64.70 to 65.70): VU037237.D (-707) (-)

Ion 83.00 (82.70 to 83.70): VU037237.D (-707) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.865 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

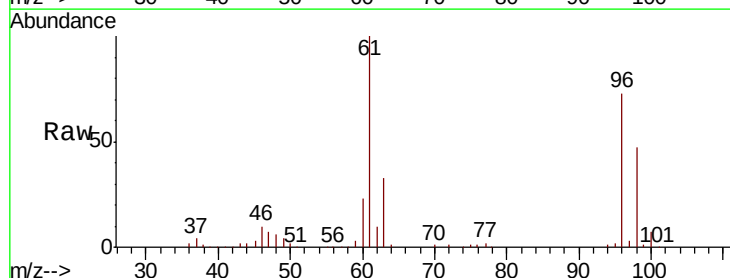
Tgt Ion: 96 Resp: 152603

Ion Ratio Lower Upper

96 100

61 137.5 101.2 187.8

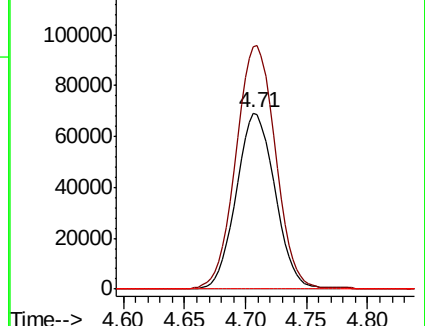
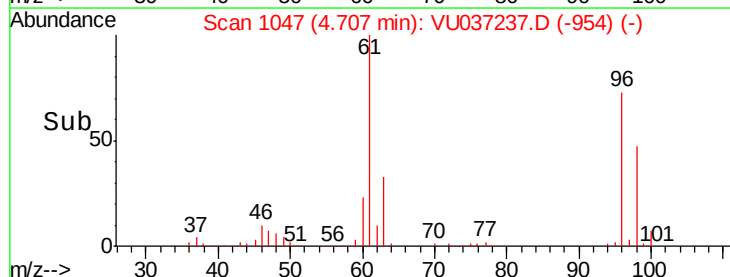
68 0.0 0.0 0.0

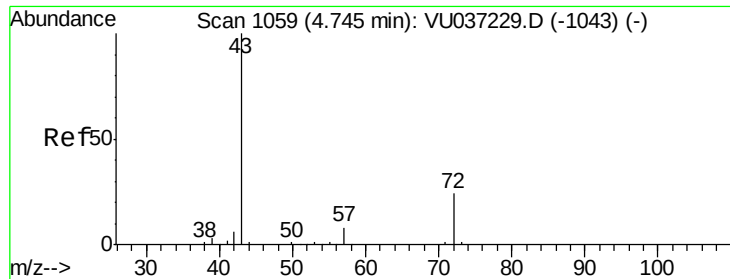


Abundance Ion 96.00 (95.70 to 96.70): VU037237.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU037237.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU037237.D (-954) (-)





#22

2-Butanone

Concen: 94.958 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

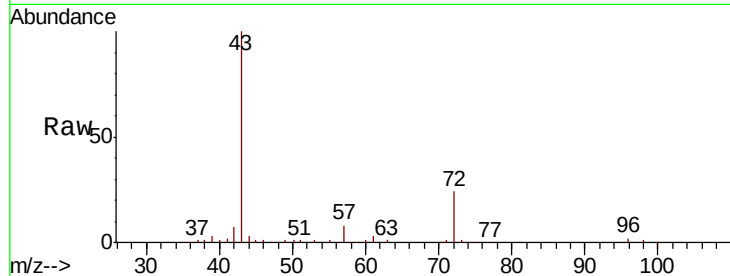
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 285589

Ion Ratio Lower Upper

43 100

72 24.8 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VU037237.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU037237.D (-966) (-)

150000

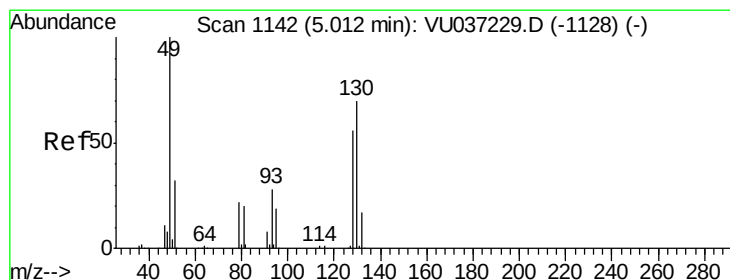
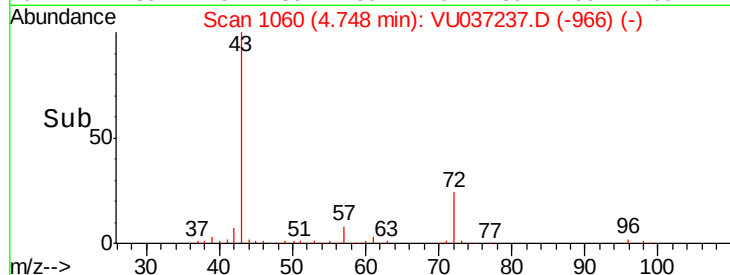
100000

50000

0

4.70 4.75 4.80

Time-->



#23

Bromochloromethane

Concen: 49.377 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

Tgt Ion: 128 Resp: 76203

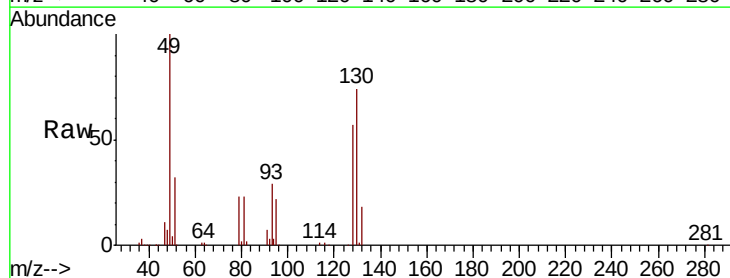
Ion Ratio Lower Upper

128 100

49 176.3 128.4 238.5

130 131.3 90.6 168.2

51 56.9 50.0 75.0



Abundance Ion 128.00 (127.70 to 128.70): VU037237.D (-1049) (-)

Ion 49.00 (48.70 to 49.70): VU037237.D (-1049) (-)

Ion 130.00 (129.70 to 130.70): VU037237.D (-1049) (-)

Ion 51.00 (50.70 to 51.70): VU037237.D (-1049) (-)

80000

60000

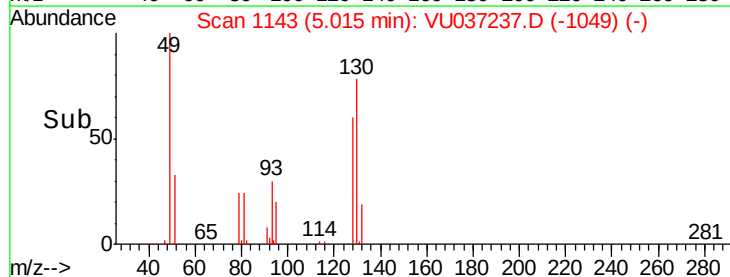
40000

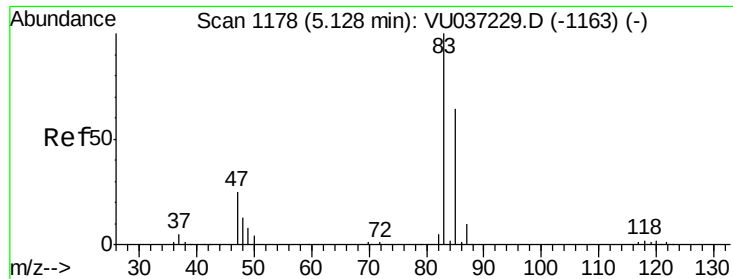
20000

0

4.95 5.00 5.02 5.05 5.10

Time-->

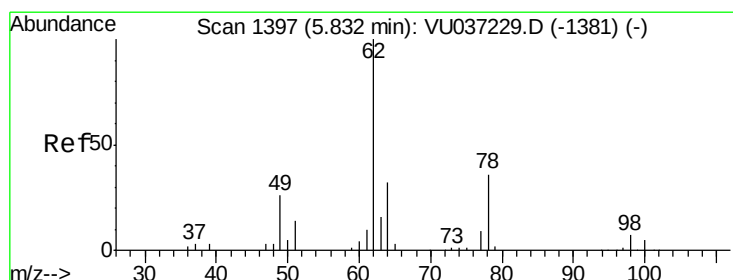
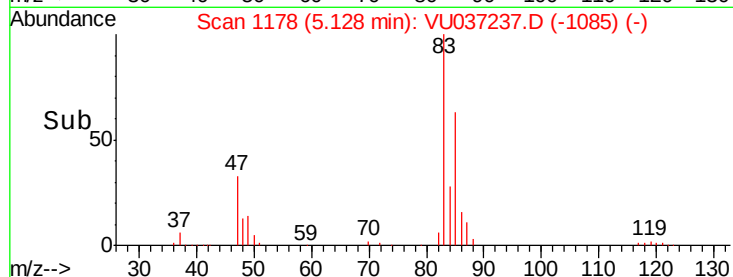
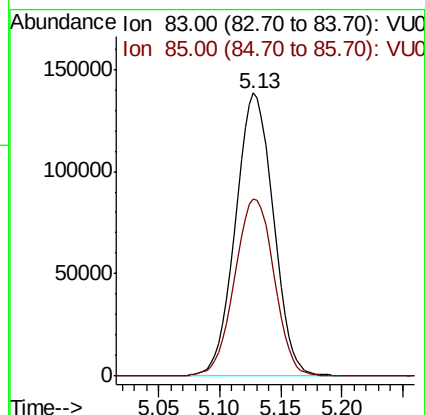
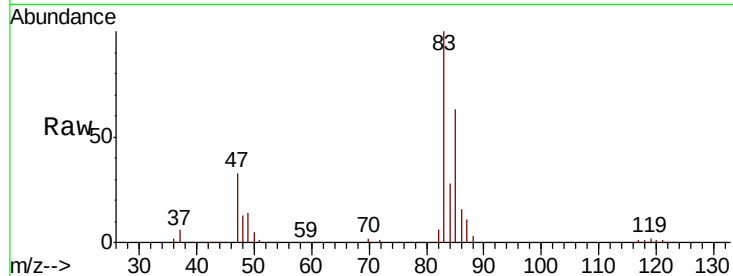




#25
Chloroform
Concen: 48.699 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037237.D
Acq: 13 Mar 2020 12:26

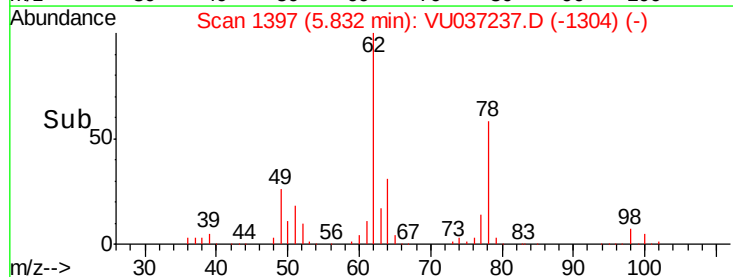
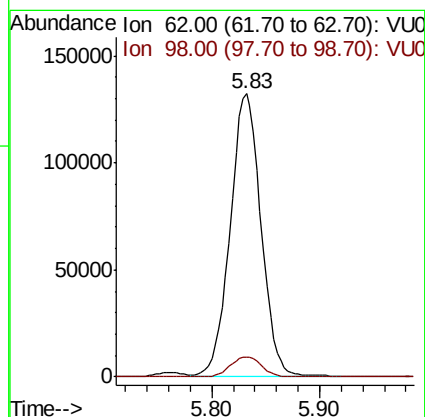
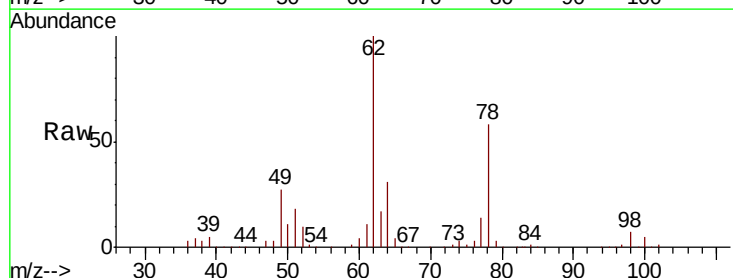
Instrument :
MSVOA_U
ClientSampled :

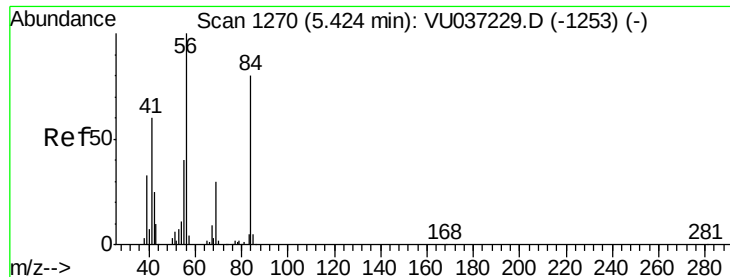
Tot Ion: 83 Resp: 298133
Ion Ratio Lower Upper
83 100
85 62.6 45.0 83.6



#27
1,2-Dichloroethane
Concen: 48.143 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU037237.D
Acq: 13 Mar 2020 12:26

Tgt Ion: 62 Resp: 262610
Ion Ratio Lower Upper
62 100
98 7.1 5.6 8.4





#29

Cyclohexane

Concen: 46.640 ug/L

RT: 5.43 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

Instrument :

MSVOA_U

ClientSampled :

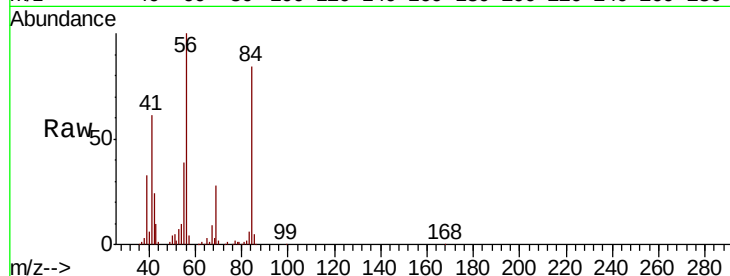
Tot Ion: 56 Resp: 228011

Ion Ratio Lower Upper

56 100

69 28.9 23.9 35.9

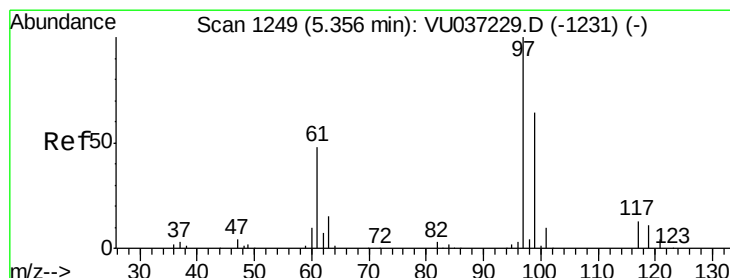
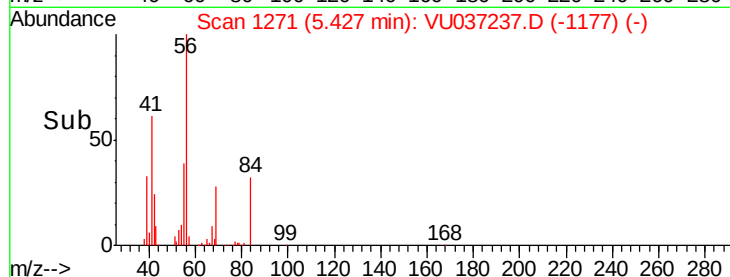
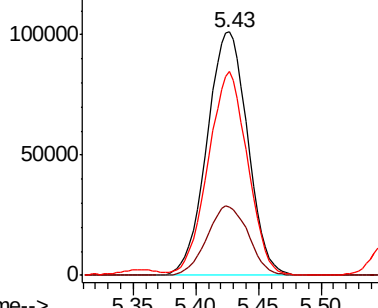
84 81.7 64.0 96.0



Abundance Ion 56.00 (55.70 to 56.70): VU037229.D (-1253) (-)

Ion 69.00 (68.70 to 69.70): VU037229.D (-1253) (-)

Ion 84.00 (83.70 to 84.70): VU037229.D (-1253) (-)



#30

1,1,1-Trichloroethane

Concen: 48.330 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

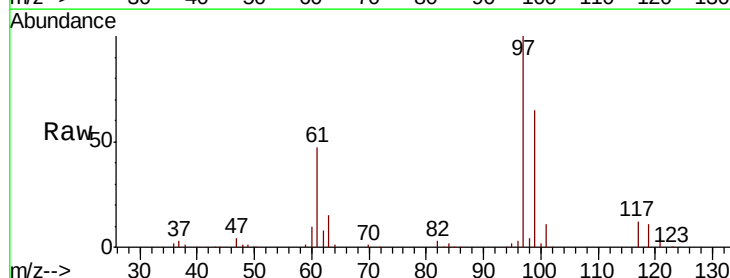
Tgt Ion: 97 Resp: 265279

Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.0

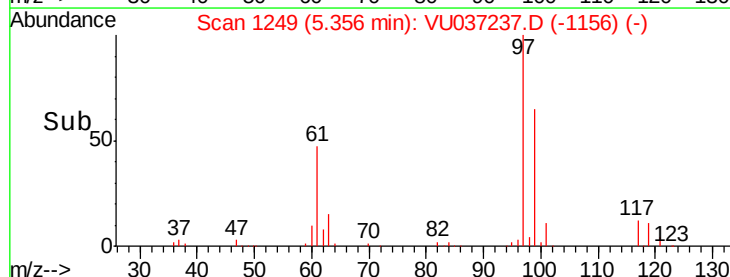
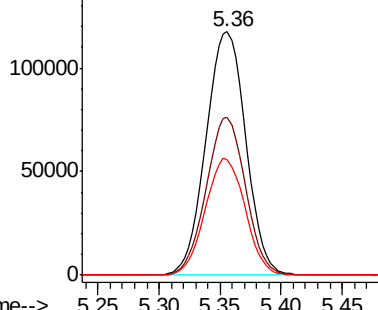
61 47.9 39.0 58.4

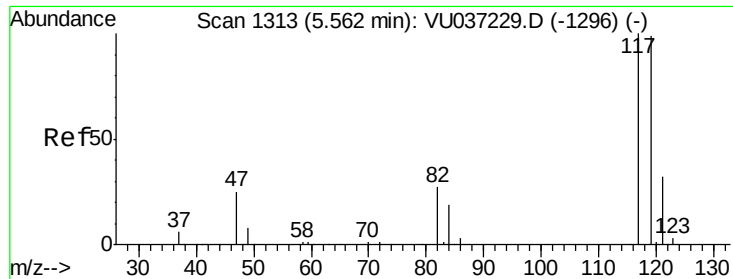


Abundance Ion 97.00 (96.70 to 97.70): VU037229.D (-1231) (-)

Ion 99.00 (98.70 to 99.70): VU037229.D (-1231) (-)

Ion 61.05 (60.75 to 61.75): VU037229.D (-1231) (-)





#31

Carbon tetrachloride

Concen: 48.660 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

Instrument :

MSVOA_U

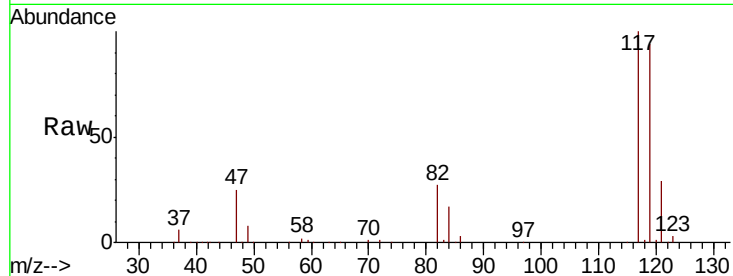
ClientSampled :

Tot Ion:117 Resp: 235990

Ion Ratio Lower Upper

117 100

119 96.0 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.56

120000

100000

80000

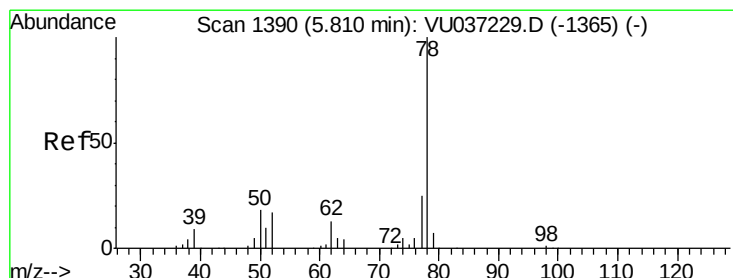
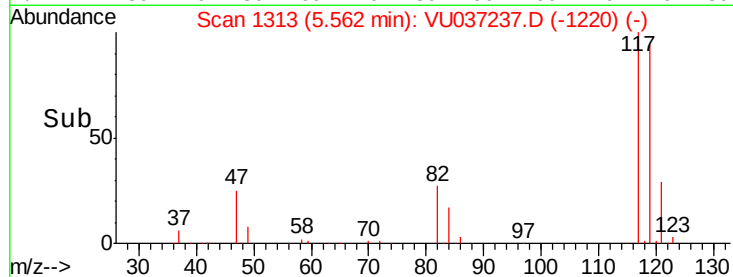
60000

40000

20000

0

Time--> 5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 48.005 ug/L

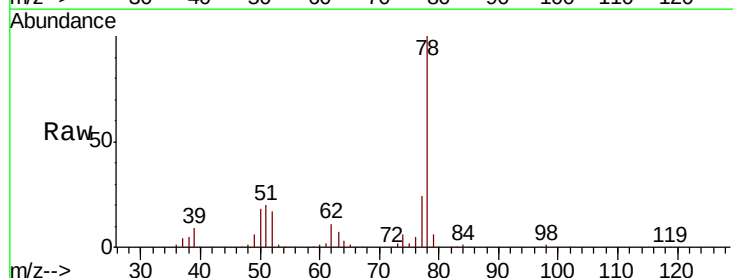
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

Tgt Ion: 78 Resp: 585125



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.81

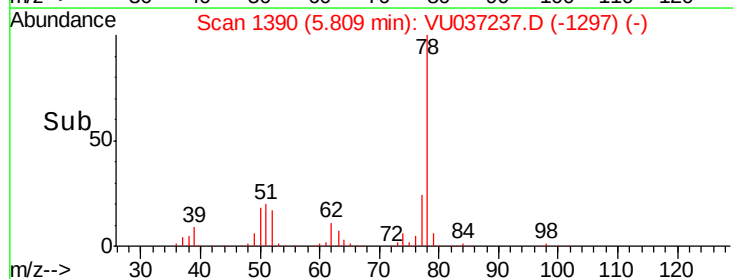
300000

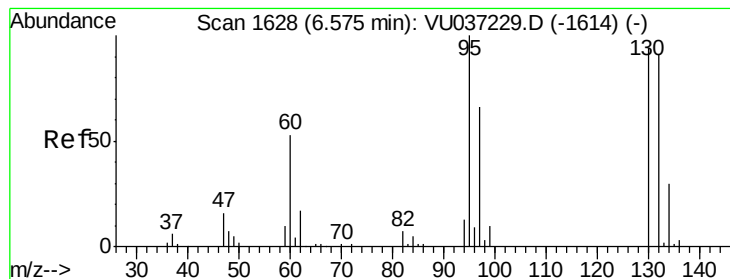
200000

100000

0

Time--> 5.70 5.80 5.90





#34

Trichloroethene

Concen: 48.228 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 152755

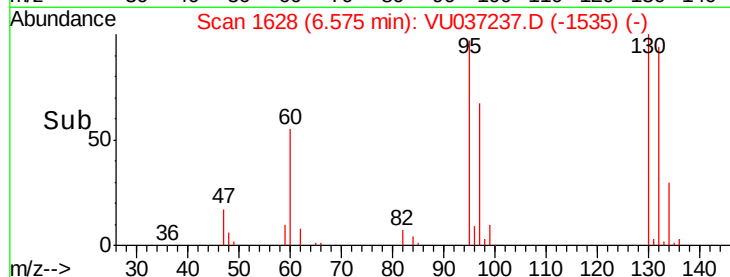
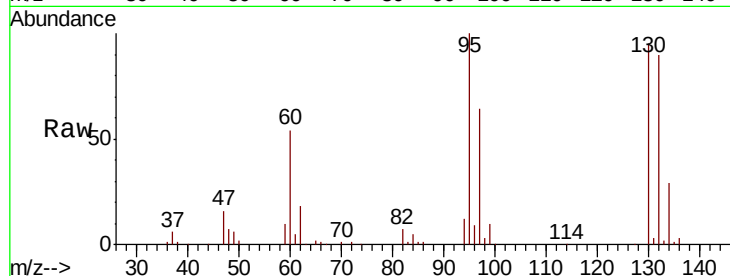
Ion Ratio Lower Upper

95 100

97 63.5 43.8 81.4

132 89.9 62.6 116.3

130 95.3 64.8 120.4



Abundance Ion 95.00 (94.70 to 95.70): VU037229.D (-1614) (-)

Ion 97.00 (96.70 to 97.70): VU037229.D (-1614) (-)

Ion 132.00 (131.70 to 132.70): VU037229.D (-1614) (-)

Ion 130.00 (129.70 to 130.70): VU037229.D (-1614) (-)

Time-->

6.57

80000

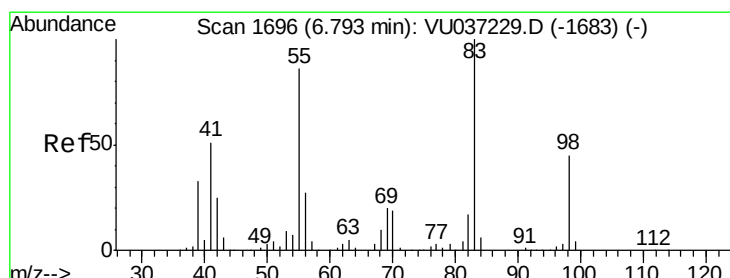
60000

40000

20000

0

6.50 6.55 6.60 6.65



#35

Methylcyclohexane

Concen: 47.702 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

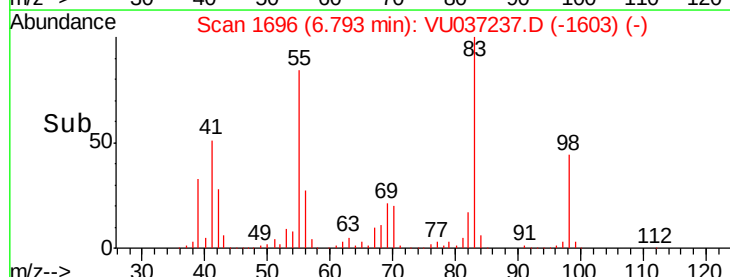
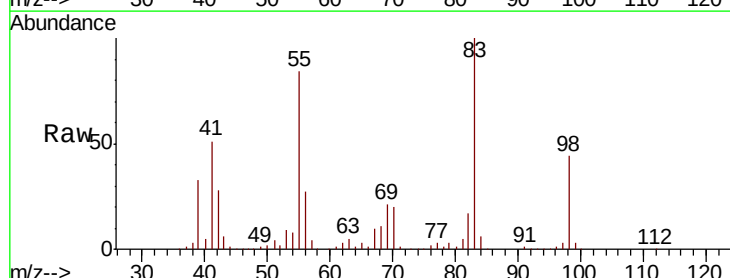
Tgt Ion: 83 Resp: 228744

Ion Ratio Lower Upper

83 100

55 82.2 68.2 102.2

98 45.8 36.4 54.6



Abundance Ion 83.00 (82.70 to 83.70): VU037229.D (-1683) (-)

Ion 55.00 (54.70 to 55.70): VU037229.D (-1683) (-)

Ion 98.00 (97.70 to 98.70): VU037229.D (-1683) (-)

Time-->

6.79

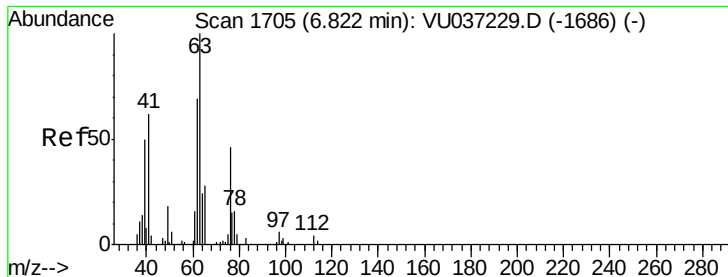
150000

100000

50000

0

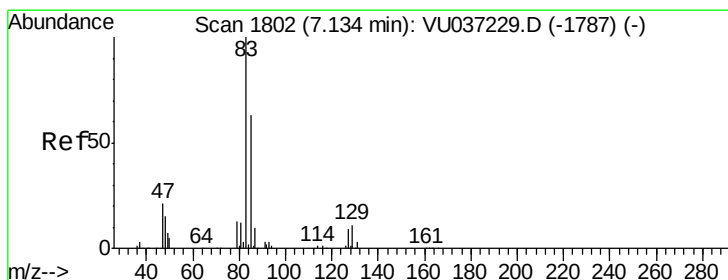
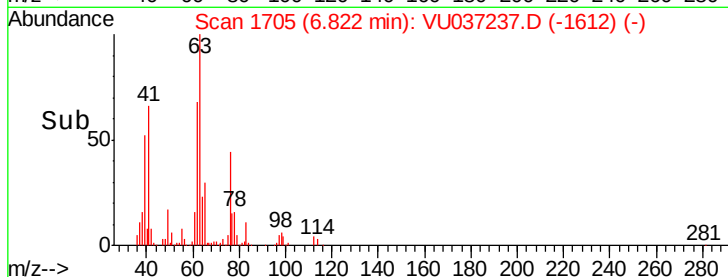
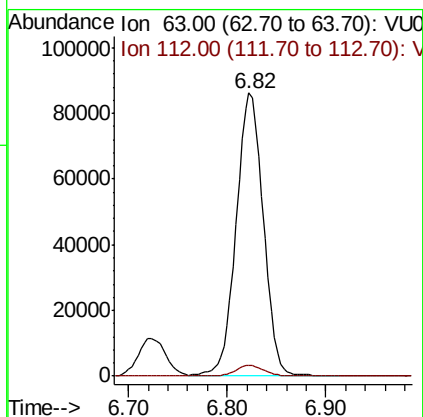
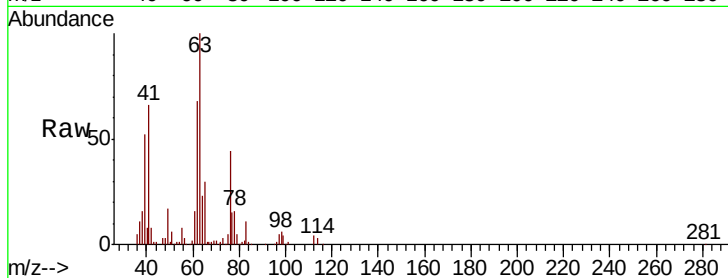
6.75 6.80 6.85



#37
 1,2-Dichloropropane
 Concen: 47.438 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037237.D
 Acq: 13 Mar 2020 12:26

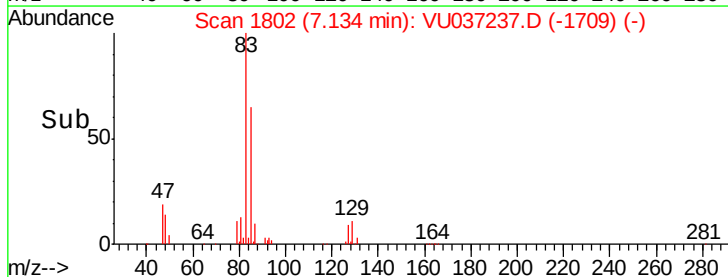
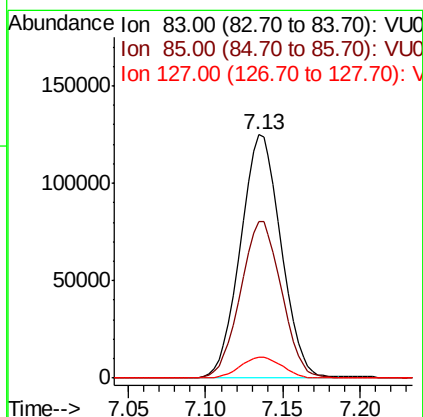
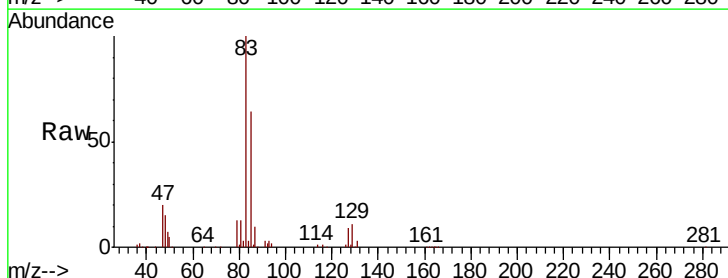
Instrument :
 MSVOA_U
 ClientSampleId :

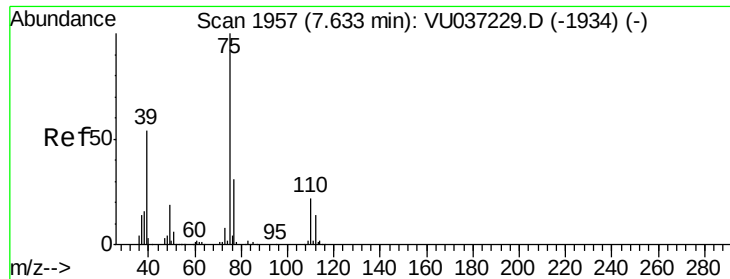
Tot Ion: 63 Resp: 164359
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.1 4.7



#38
 Bromodichloromethane
 Concen: 47.114 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU037237.D
 Acq: 13 Mar 2020 12:26

Tgt Ion: 83 Resp: 228210
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.7 84.9
 127 8.8 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 47.434 ug/L

RT: 7.64 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

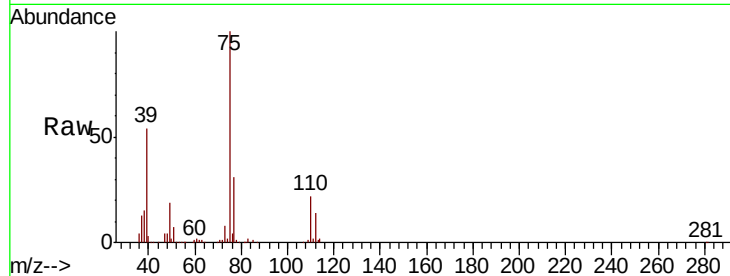
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 254820

Ion Ratio Lower Upper

75 100

77 31.1 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VU037229.D (-1934) (-)

Ion 77.00 (76.70 to 77.70): VU037229.D (-1934) (-)

7.64

150000

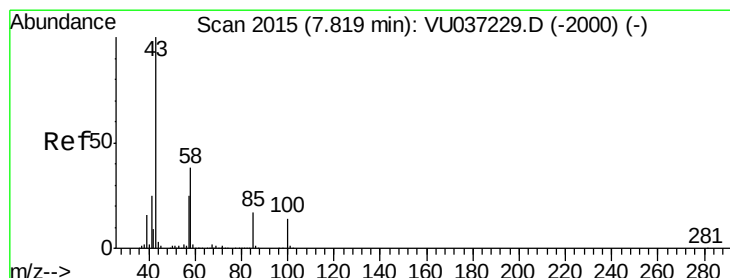
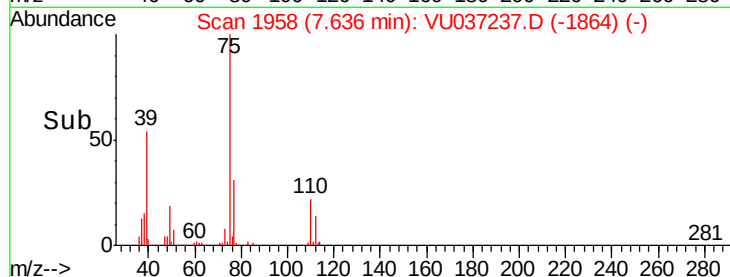
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#40

4-Methyl-2-pentanone

Concen: 97.598 ug/L

RT: 7.82 min Scan# 2015

Delta R.T. -0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

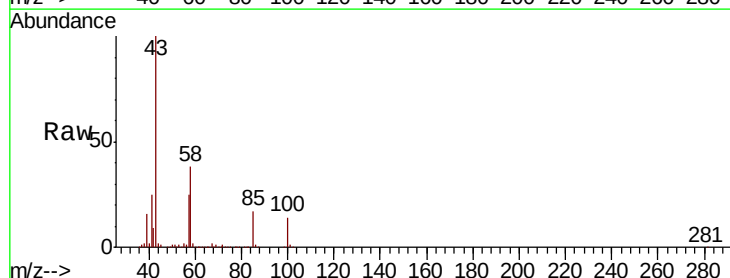
Tgt Ion: 43 Resp: 550454

Ion Ratio Lower Upper

43 100

58 37.7 29.3 43.9

100 13.6 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VU037229.D (-2000) (-)

Ion 58.00 (57.70 to 58.70): VU037229.D (-2000) (-)

Ion 100.00 (99.70 to 100.70): VU037229.D (-2000) (-)

7.82

400000

300000

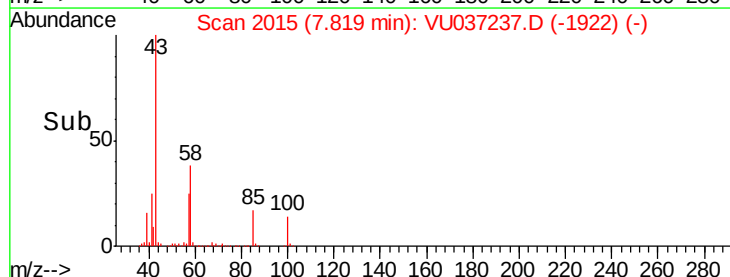
200000

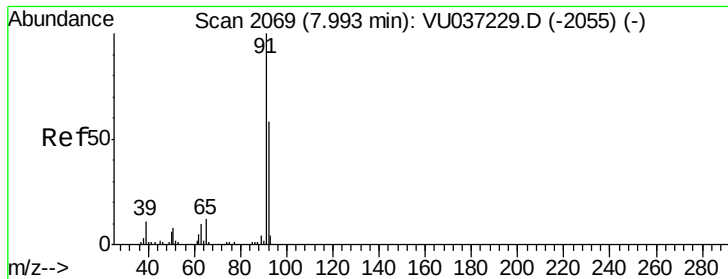
100000

0

7.75 7.80 7.85 7.90

Time-->





#42

Toluene

Concen: 48.690 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

Instrument :

MSVOA_U

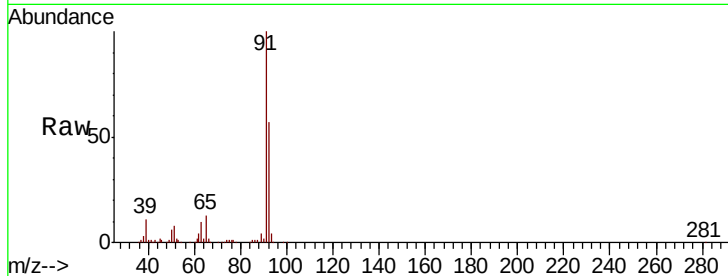
ClientSampleId :

Tot Ion: 91 Resp: 648091

Ion Ratio Lower Upper

91 100

92 56.9 39.1 72.5



Abundance Ion 91.00 (90.70 to 91.70): VU037237.D (-1976) (-)

Ion 92.00 (91.70 to 92.70): VU037237.D (-1976) (-)

8.00

400000

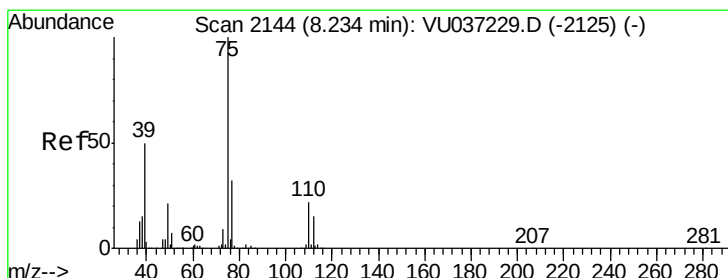
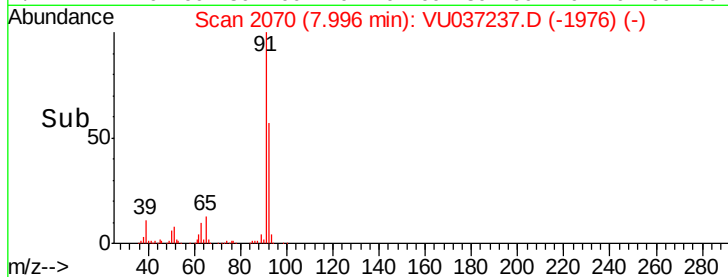
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.975 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037237.D

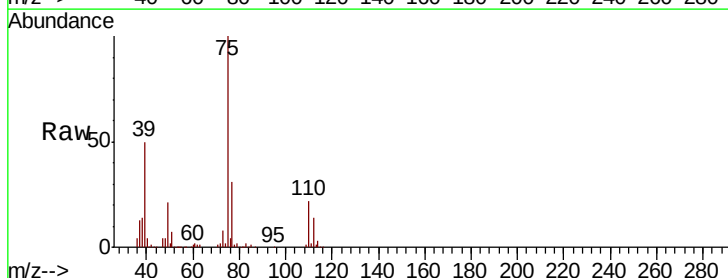
Acq: 13 Mar 2020 12:26

Tgt Ion: 75 Resp: 248415

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU037237.D (-2051) (-)

Ion 77.00 (76.70 to 77.70): VU037237.D (-2051) (-)

8.23

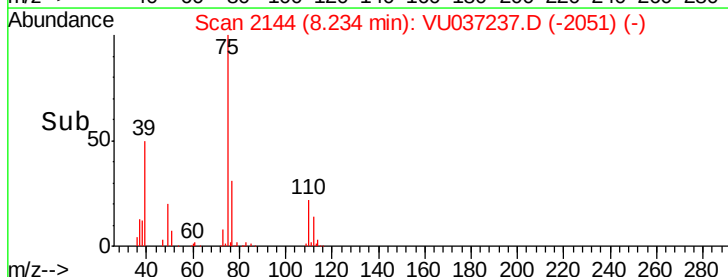
150000

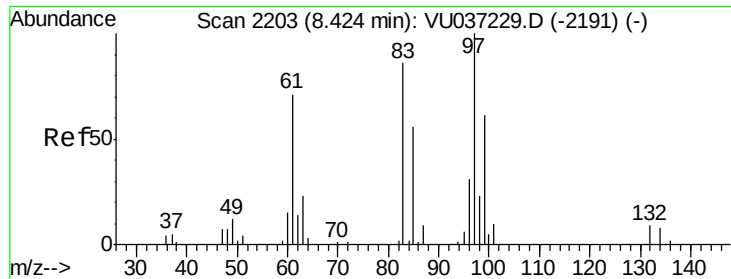
100000

50000

0

Time-->

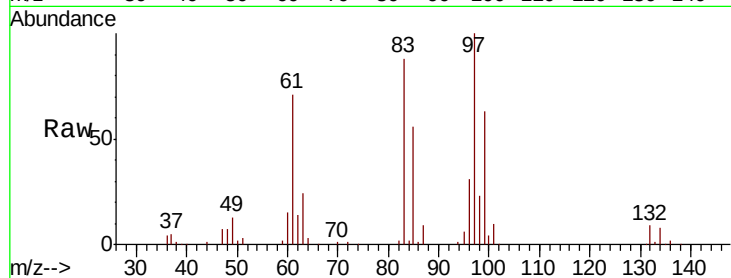




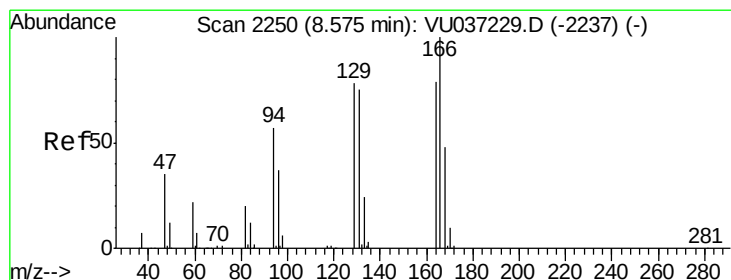
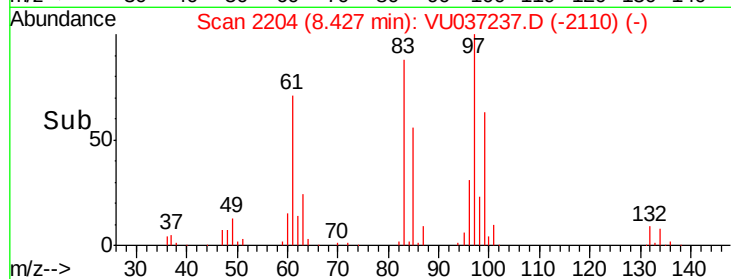
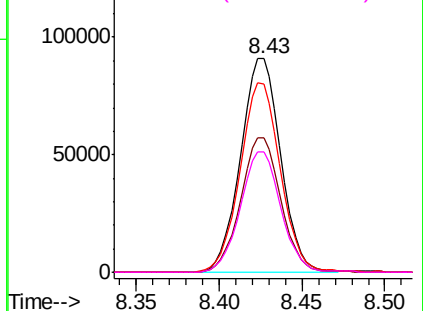
#45
1,1,2-Trichloroethane
Concen: 48.366 ug/L
RT: 8.43 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VU037237.D
Acq: 13 Mar 2020 12:26

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	97	Resp:	152581
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.5	80.9
83	88.0	62.4	116.0
85	56.3	41.9	77.7

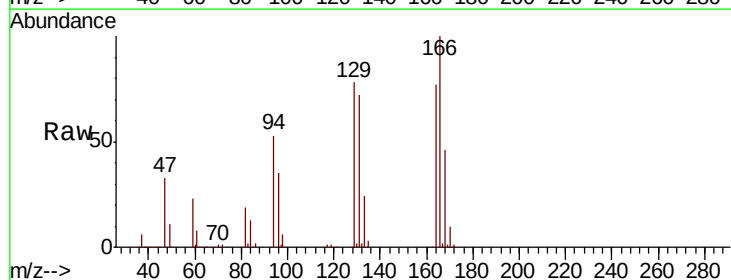


Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

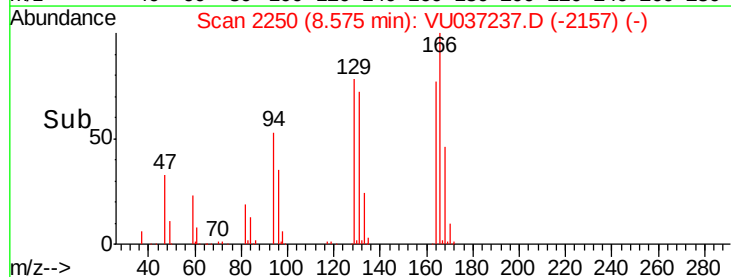
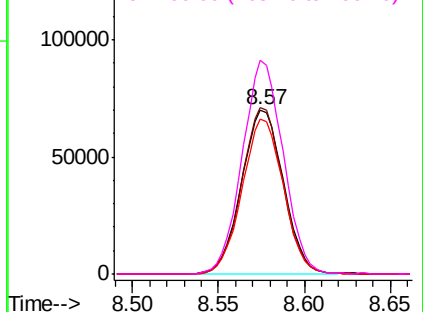


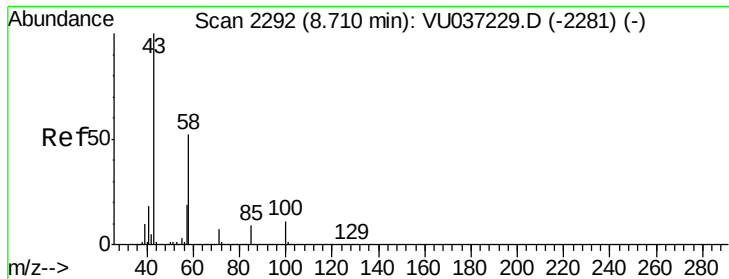
#46
Tetrachloroethene
Concen: 50.230 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU037237.D
Acq: 13 Mar 2020 12:26

Tgt Ion:	164	Resp:	118197
Ion	Ratio	Lower	Upper
164	100		
129	101.1	72.4	134.5
131	94.1	67.1	124.7
166	130.0	89.5	166.1



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

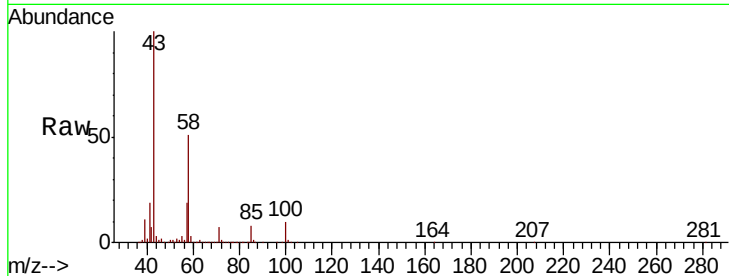




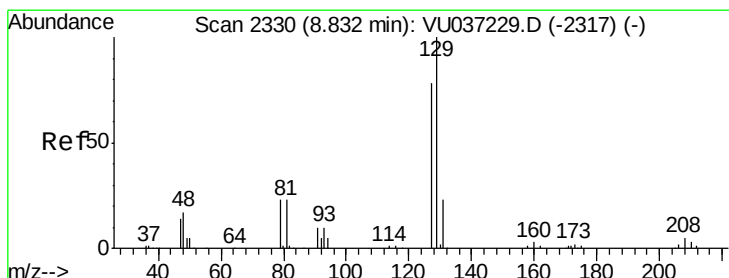
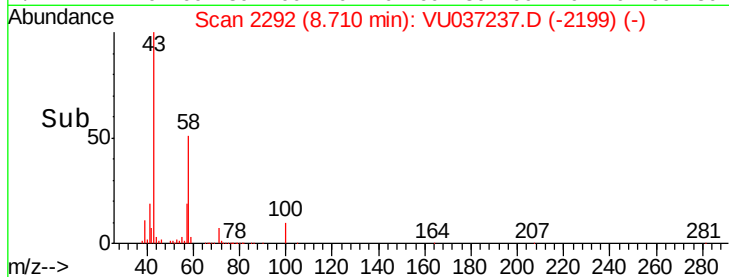
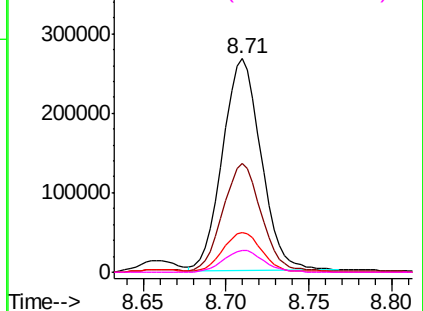
#48
2-Hexanone
Concen: 97.007 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU037237.D
Acq: 13 Mar 2020 12:26

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 431163
Ion Ratio Lower Upper
43 100
58 51.6 39.8 59.6
57 18.1 14.5 21.7
100 10.8 7.9 11.9

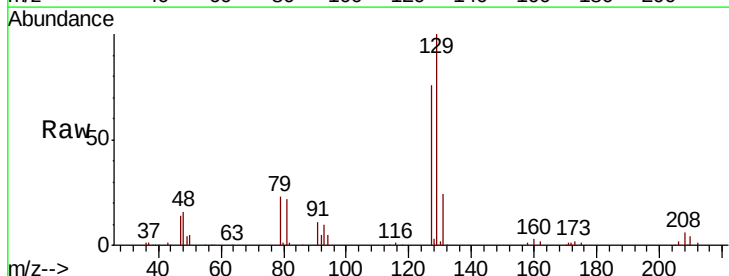


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

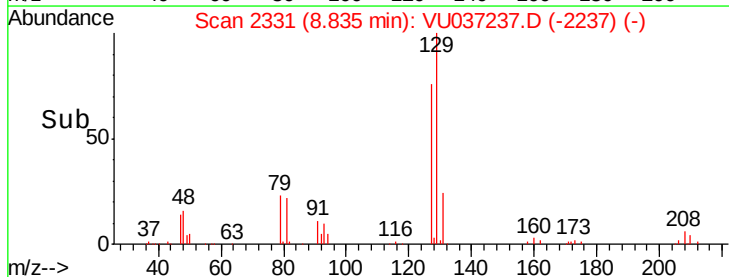
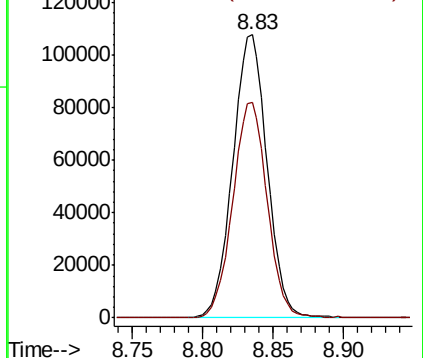


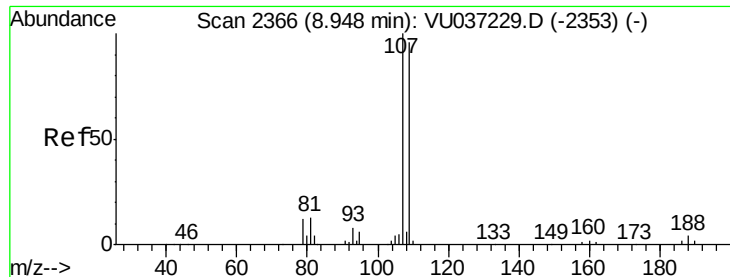
#49
Dibromochloromethane
Concen: 49.548 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037237.D
Acq: 13 Mar 2020 12:26

Tgt Ion: 129 Resp: 183894
Ion Ratio Lower Upper
129 100
127 76.0 53.8 100.0



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

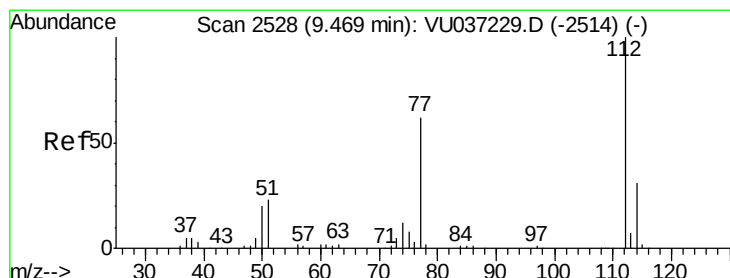
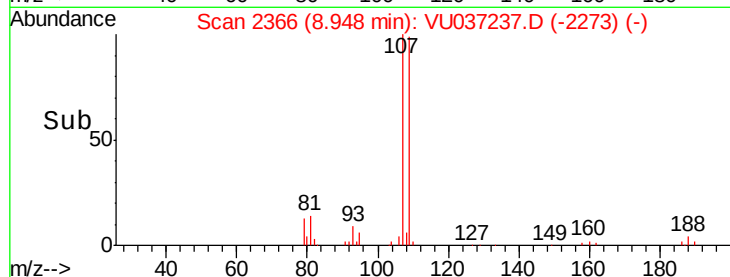
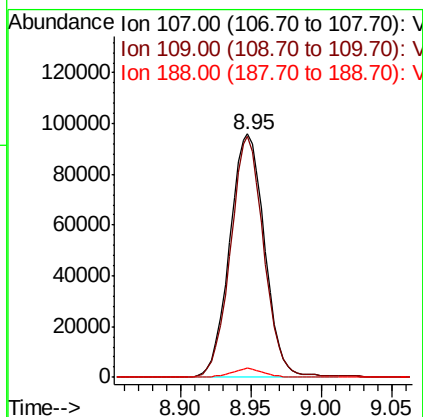
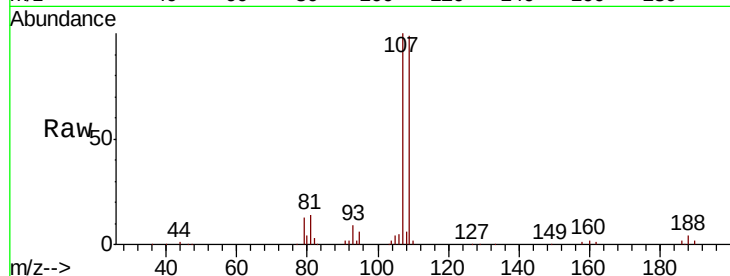




#50
1,2-Dibromoethane
Concen: 49.017 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VU037237.D
Acq: 13 Mar 2020 12:26

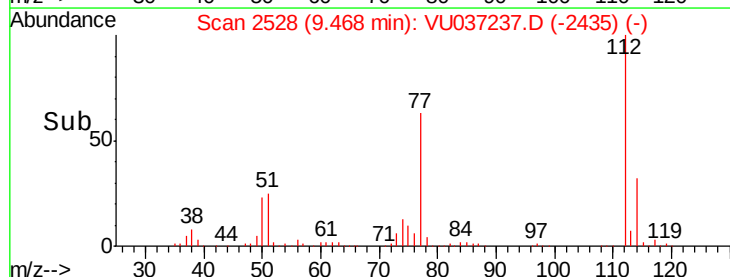
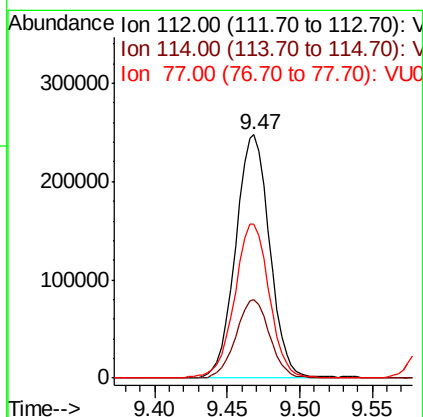
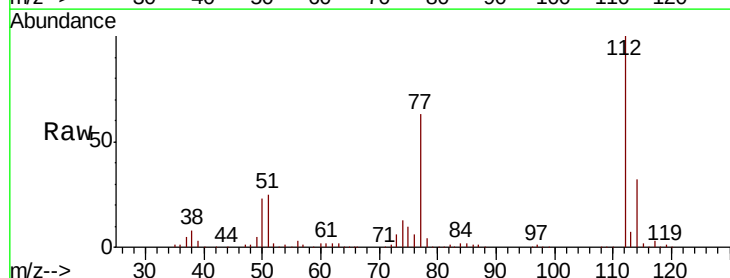
Instrument :
MSVOA_U
ClientSampleId :

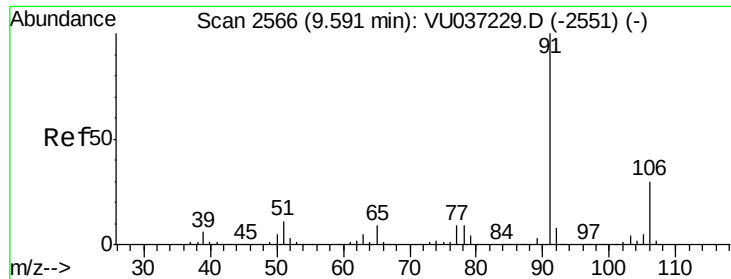
Tot Ion	Ratio	Lower	Upper
107	100		
109	98.8	66.5	123.5
188	3.7	2.6	4.0



#51
Chlorobenzene
Concen: 48.177 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU037237.D
Acq: 13 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.6	42.0
77	63.4	51.0	76.4





#52

Ethylbenzene

Concen: 47.621 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

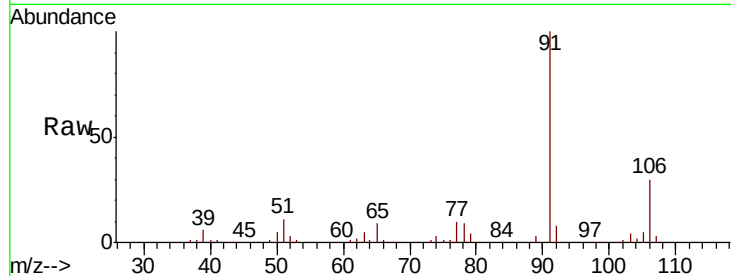
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 733952

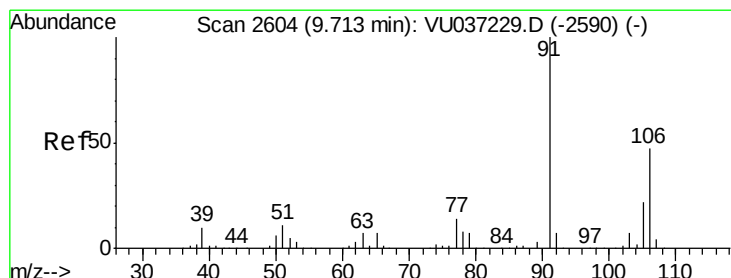
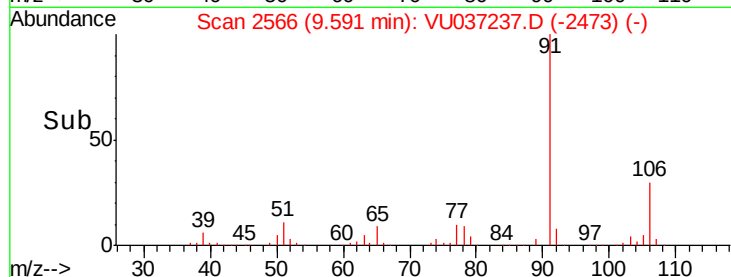
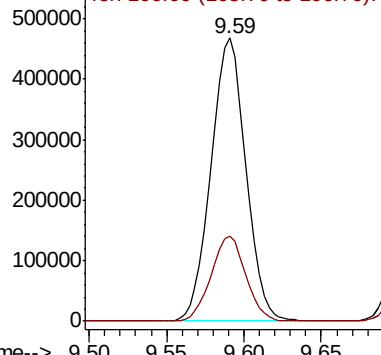
Ion Ratio Lower Upper

91 100

106 30.0 20.2 37.6



Abundance Ion 91.00 (90.70 to 91.70): VU037229.D (-2551) (-)



#53

m,p-Xylene

Concen: 49.484 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037237.D

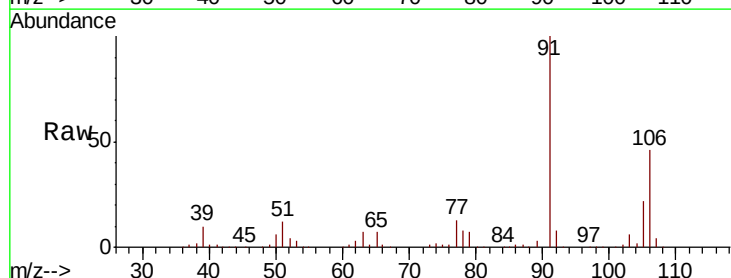
Acq: 13 Mar 2020 12:26

Tgt Ion: 106 Resp: 269752

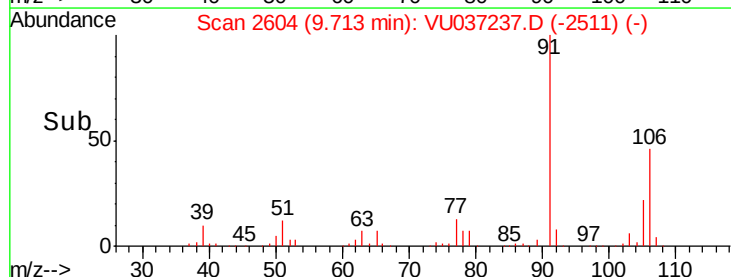
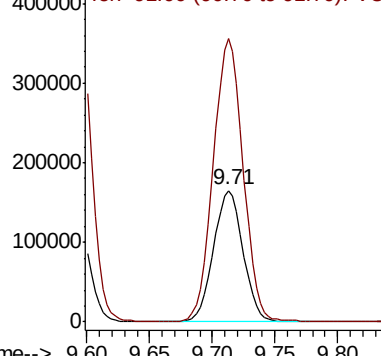
Ion Ratio Lower Upper

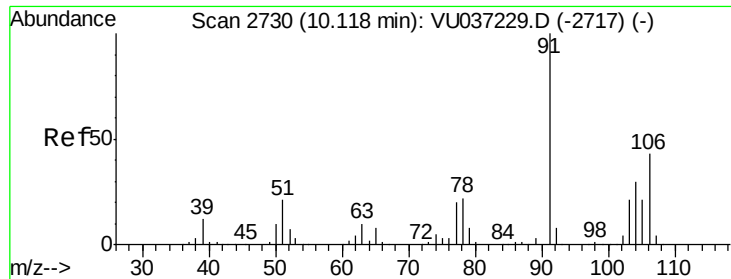
106 100

91 215.9 154.0 286.0



Abundance Ion 106.00 (105.70 to 106.70): VU037229.D (-2590) (-)

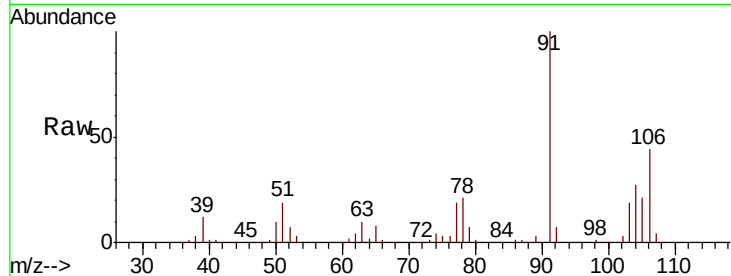




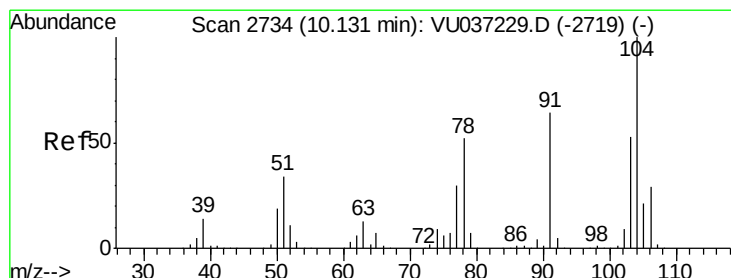
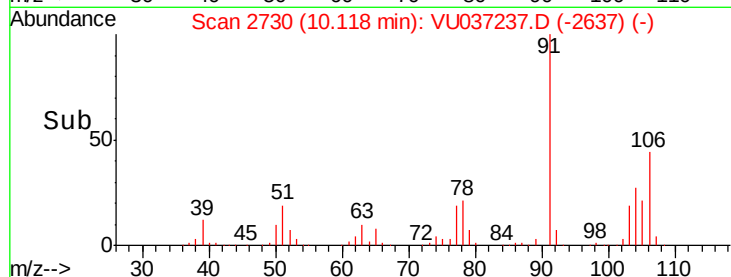
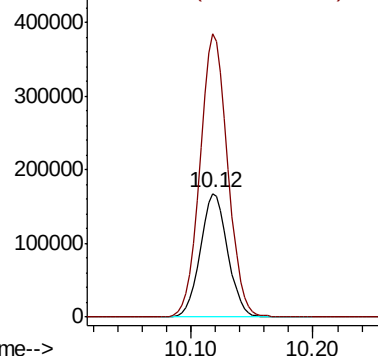
#54
o-xylene
Concen: 49.245 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037237.D
Acq: 13 Mar 2020 12:26

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 265222
Ion Ratio Lower Upper
106 100
91 228.4 167.6 311.2

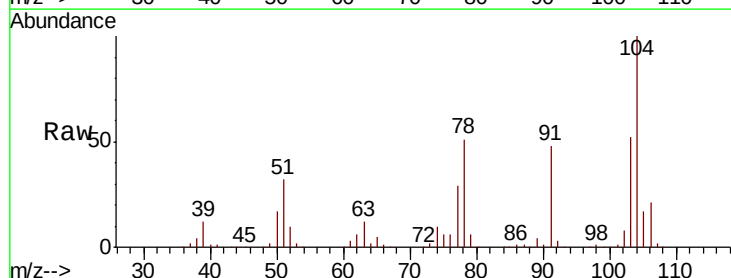


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

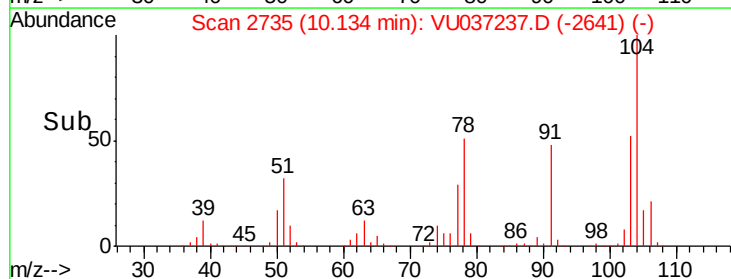
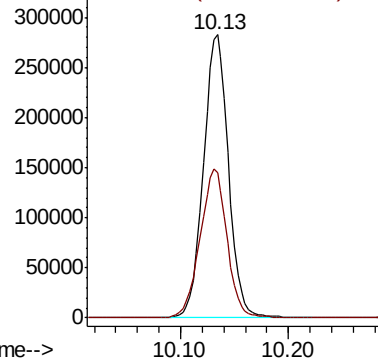


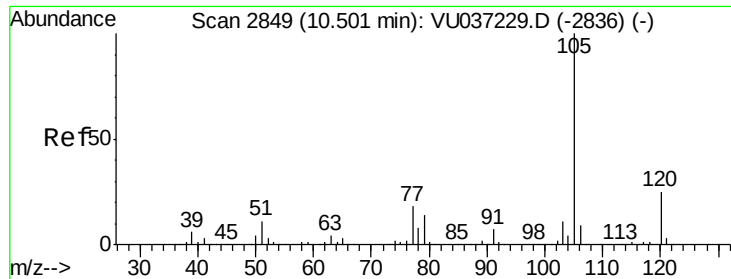
#55
Styrene
Concen: 50.088 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037237.D
Acq: 13 Mar 2020 12:26

Tgt Ion:104 Resp: 457476
Ion Ratio Lower Upper
104 100
78 51.4 37.4 69.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 48.295 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

Instrument :

MSVOA_U

ClientSampleId :

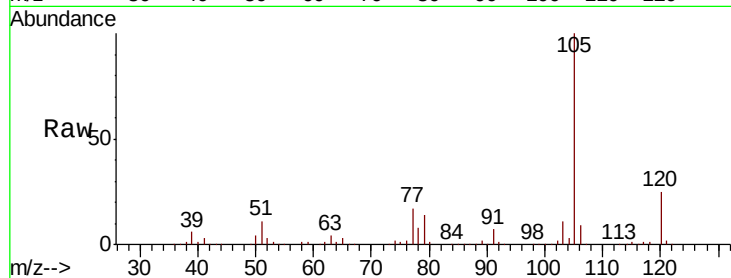
Tot Ion:105 Resp: 722961

Ion Ratio Lower Upper

105 100

120 25.0 19.9 29.9

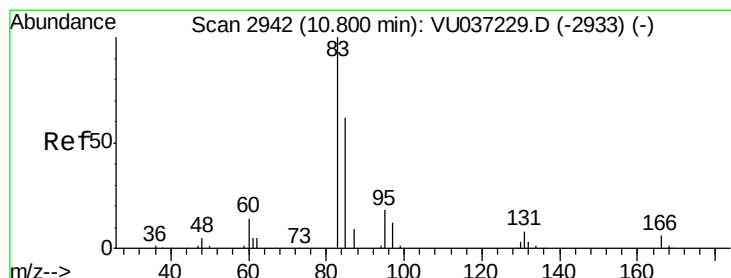
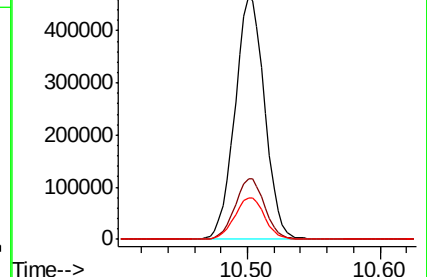
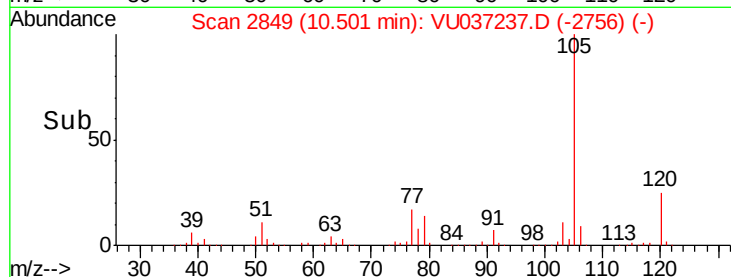
77 17.5 14.1 21.1



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: 48.293 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

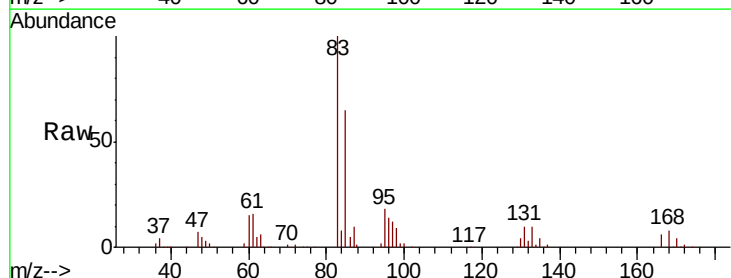
Tgt Ion: 83 Resp: 278091

Ion Ratio Lower Upper

83 100

85 65.3 45.8 85.2

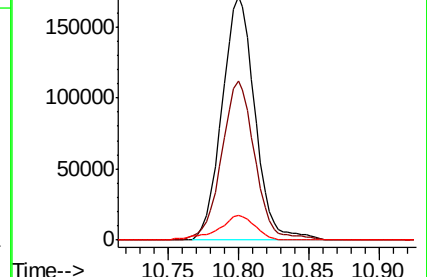
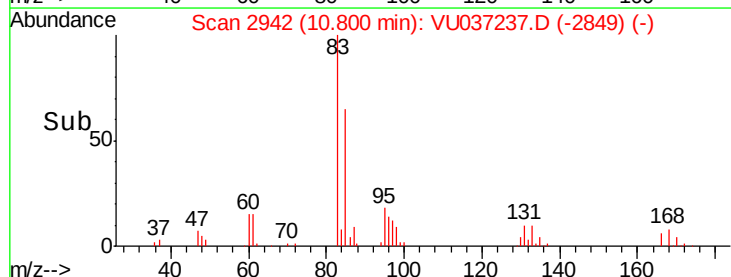
131 10.2 7.7 11.5

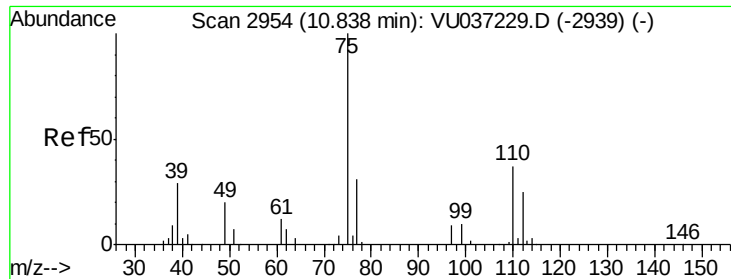


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.410 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

Instrument :

MSVOA_U

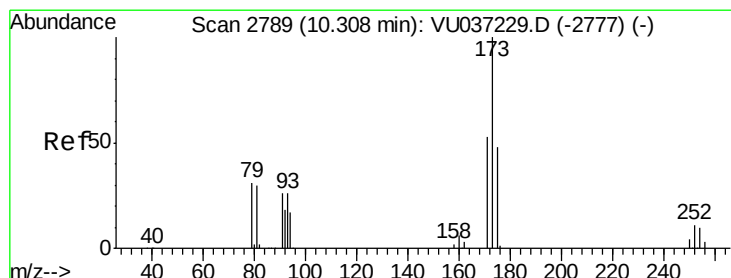
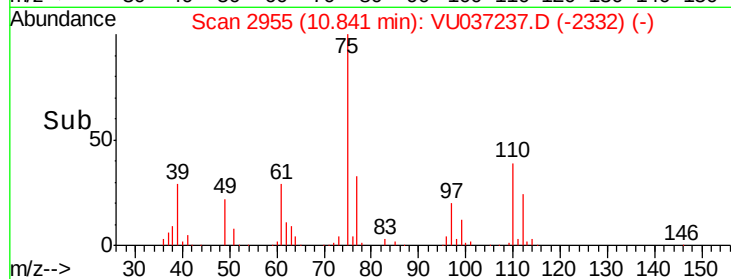
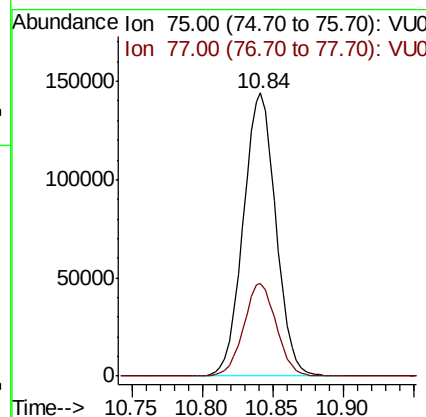
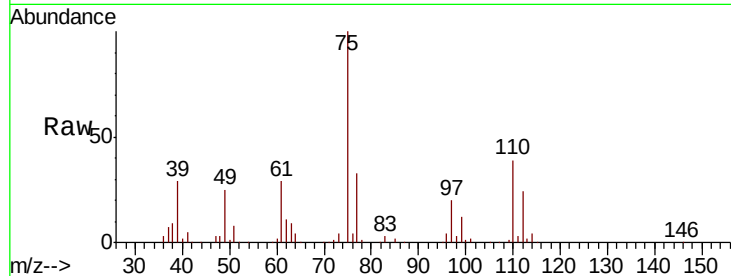
ClientSampleId :

Tot Ion: 75 Resp: 233154

Ion Ratio Lower Upper

75 100

77 32.8 25.0 37.6



#61

Bromoform

Concen: 47.622 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

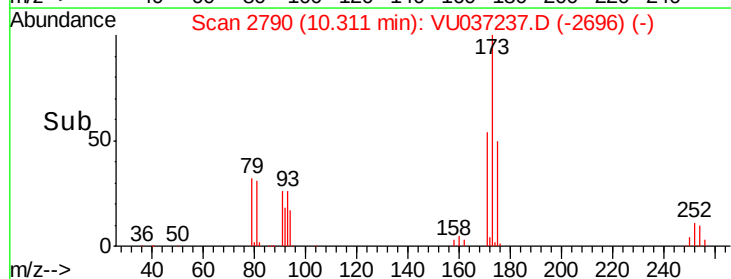
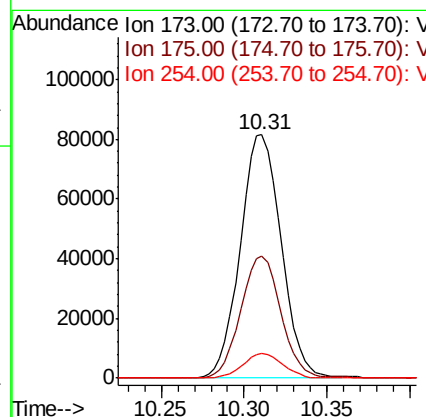
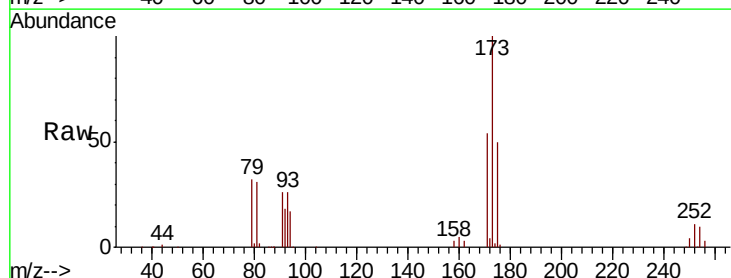
Tgt Ion: 173 Resp: 140554

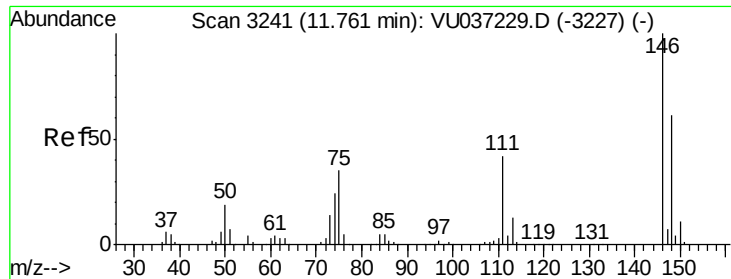
Ion Ratio Lower Upper

173 100

175 48.9 38.3 57.5

254 9.8 7.6 11.4

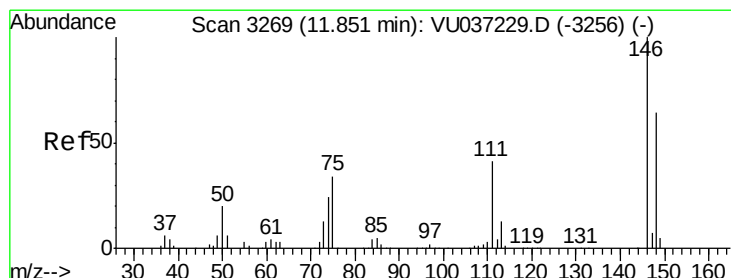
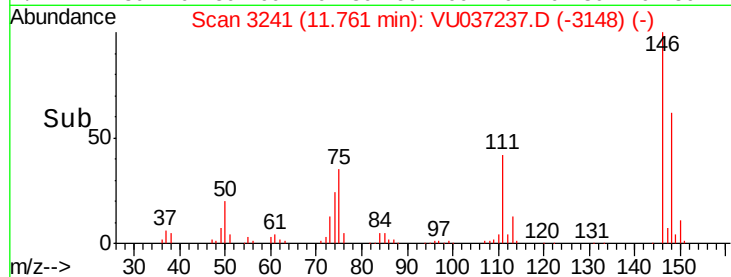
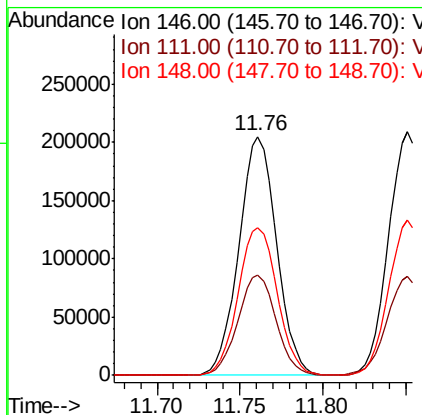
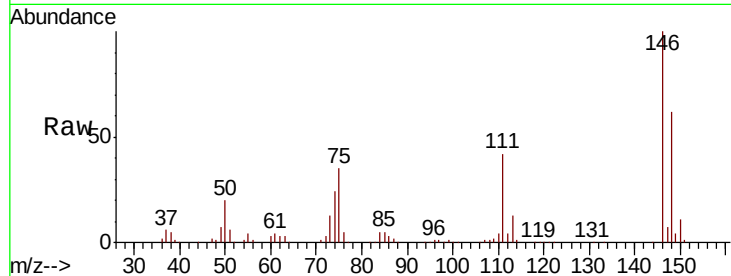




#62
 1,3-Dichlorobenzene
 Concen: 48.402 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU037237.D
 Acq: 13 Mar 2020 12:26

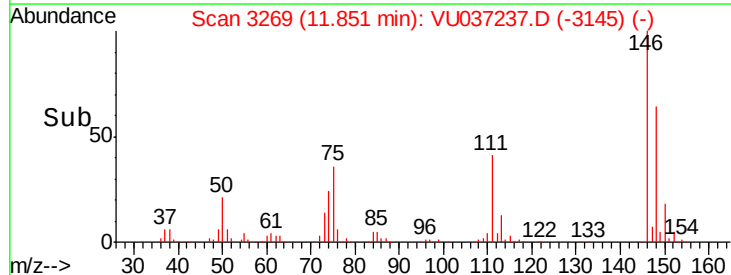
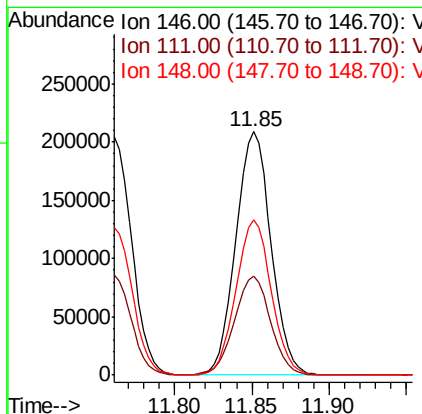
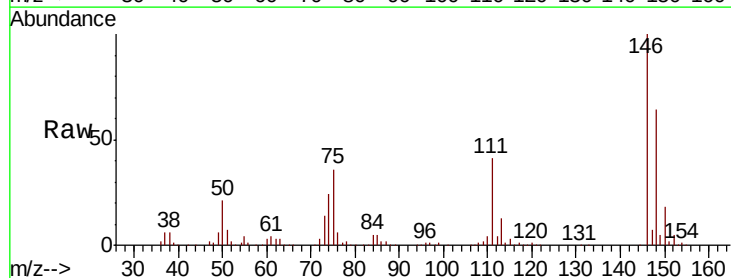
Instrument :
 MSVOA_U
 ClientSampled :

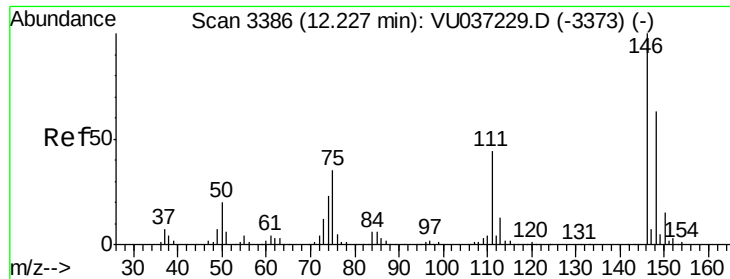
Tot Ion:146 Resp: 324185
 Ion Ratio Lower Upper
 146 100
 111 42.2 29.2 54.2
 148 61.9 45.8 85.0



#63
 1,4-Dichlorobenzene
 Concen: 48.669 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037237.D
 Acq: 13 Mar 2020 12:26

Tgt Ion:146 Resp: 329463
 Ion Ratio Lower Upper
 146 100
 111 40.5 28.5 52.9
 148 63.6 44.8 83.2

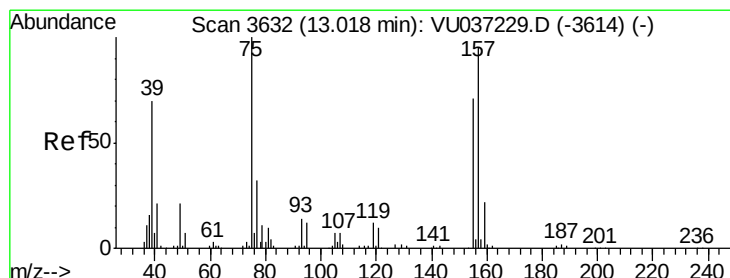
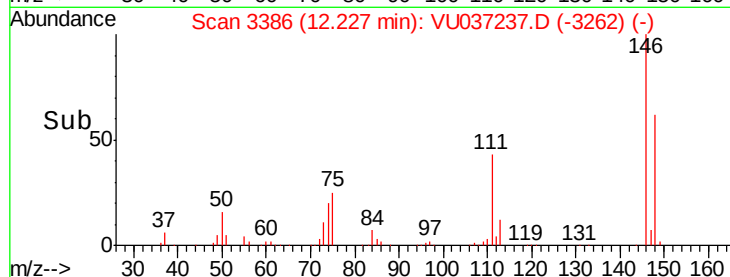
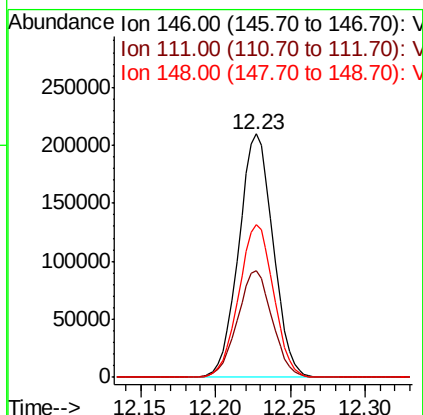
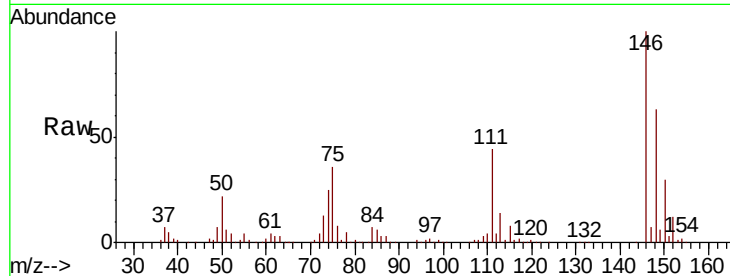




#65
 1,2-Dichlorobenzene
 Concen: 48.851 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU037237.D
 Acq: 13 Mar 2020 12:26

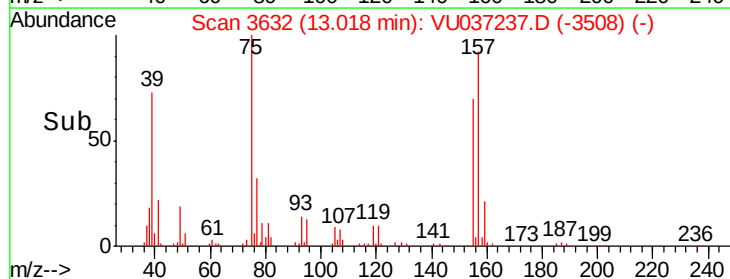
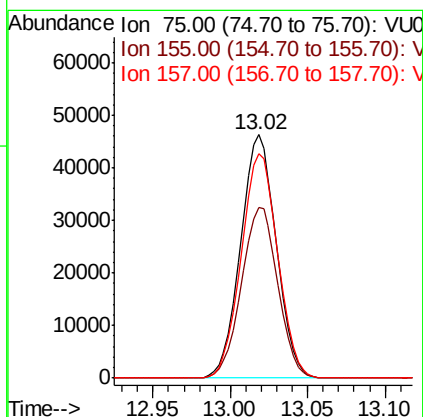
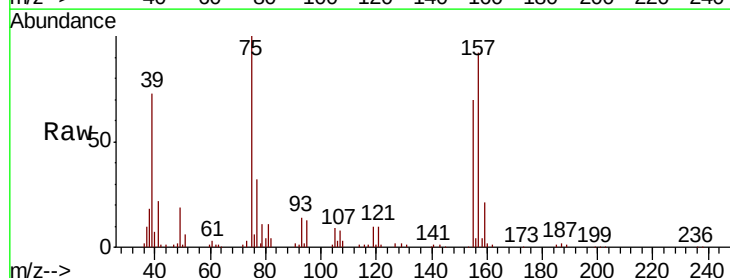
Instrument :
 MSVOA_U
 ClientSampleId :

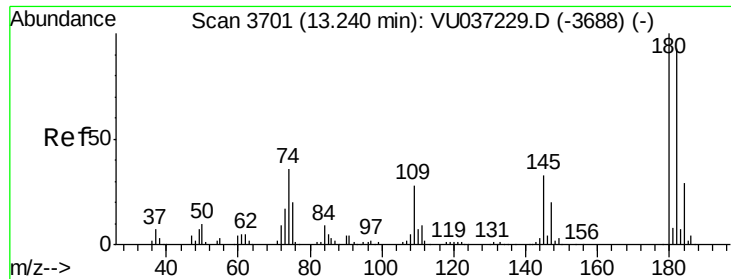
Tot Ion:146 Resp: 334183
 Ion Ratio Lower Upper
 146 100
 111 44.0 37.4 56.2
 148 62.9 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.068 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU037237.D
 Acq: 13 Mar 2020 12:26

Tgt Ion: 75 Resp: 74003
 Ion Ratio Lower Upper
 75 100
 155 70.1 59.0 88.4
 157 92.3 69.9 104.9

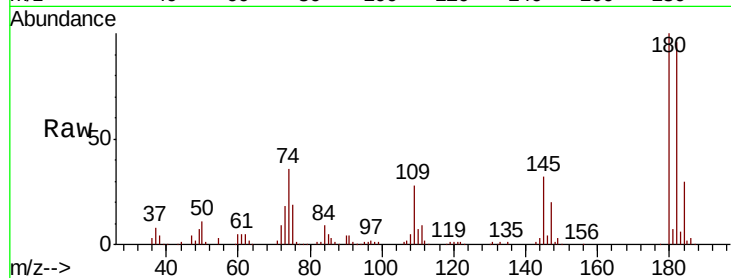




#67
 1,3,5-Trichlorobenzene
 Concen: 48.356 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU037237.D
 Acq: 13 Mar 2020 12:26

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.8	113.8
184	30.5	24.5	36.7
145	31.2	25.9	38.9



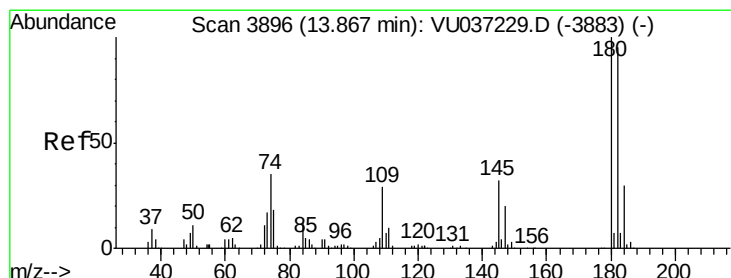
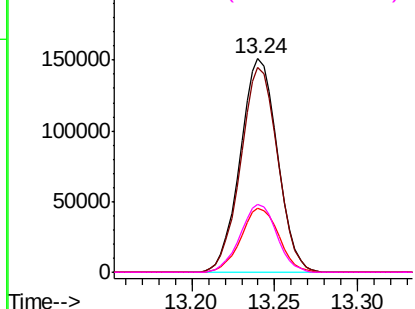
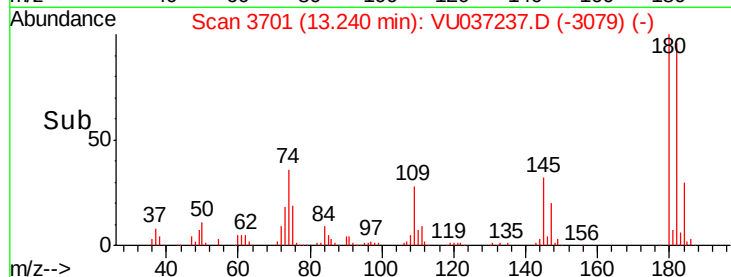
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

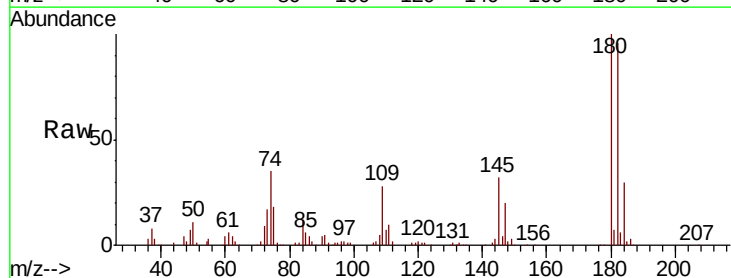
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.178 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU037237.D
 Acq: 13 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.9	113.9
145	31.9	26.7	40.1

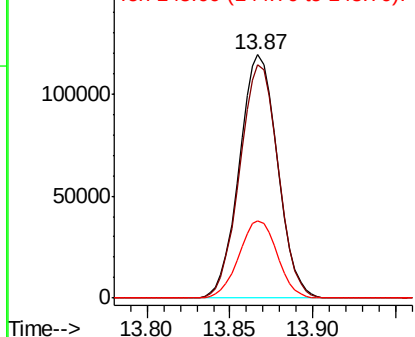
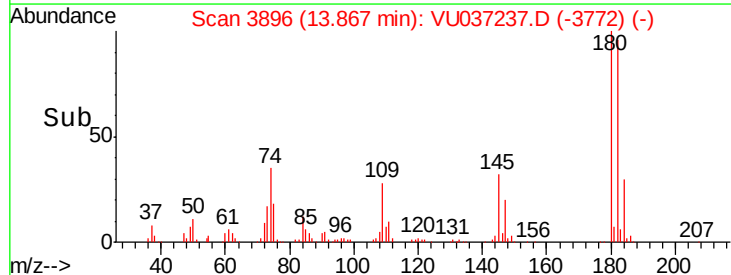


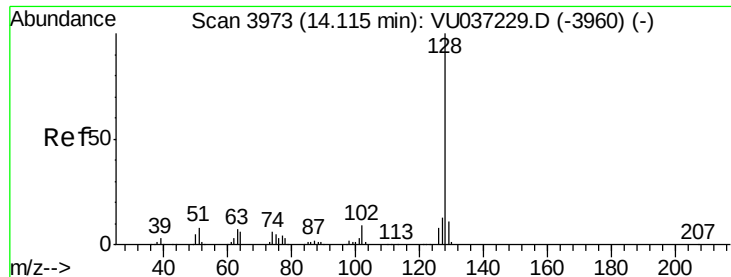
Abundance

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: 48.481 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

Instrument :

MSVOA_U

ClientSampleId :

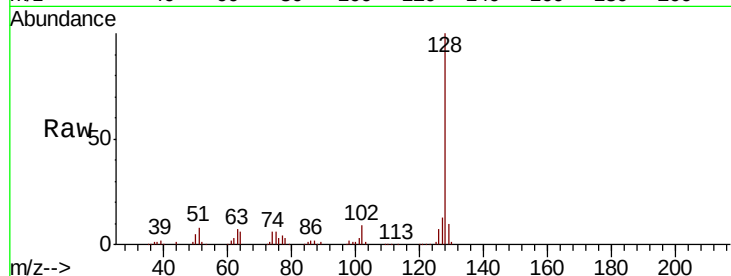
Tot Ion:128 Resp: 280240

Ion Ratio Lower Upper

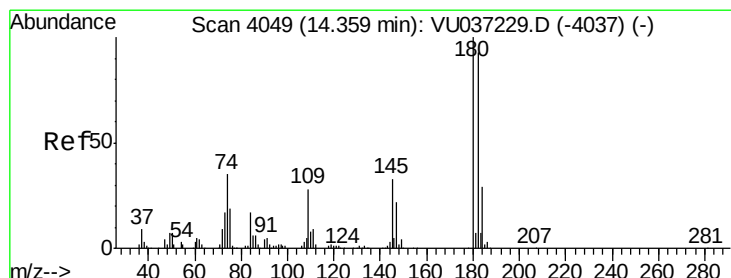
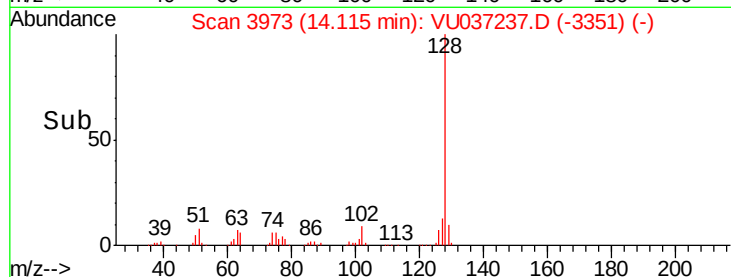
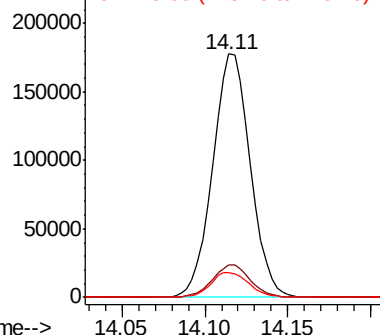
128 100

127 13.3 10.2 15.4

129 10.4 8.5 12.7



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: 49.261 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037237.D

Acq: 13 Mar 2020 12:26

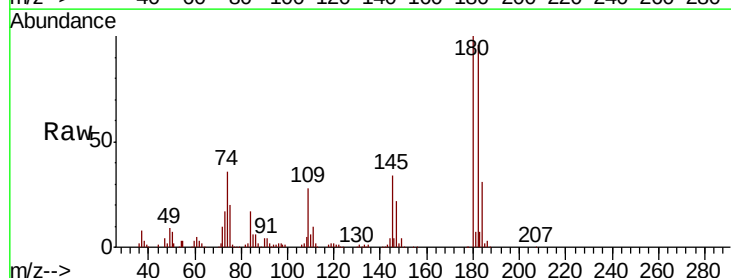
Tgt Ion:180 Resp: 197036

Ion Ratio Lower Upper

180 100

182 96.2 77.8 116.6

145 35.2 27.4 41.0



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

