

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
 Data File : VU037187.D
 Acq On : 12 Mar 2020 13:48
 Operator : JC/MD
 Sample : VSTD10036
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 13 06:56:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 06:53:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	428855	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	426241	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	223625	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	345705	104.16	ug/L	0.00
7) Chloroethane-d5	1.93	69	276121	103.19	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	623524	102.39	ug/L	0.00
21) 2-Butanone-d5	4.66	46	560903	213.54	ug/L	0.00
24) Chloroform-d	5.10	84	671674	105.25	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	478790	102.50	ug/L	0.00
32) Benzene-d6	5.76	84	1196319	101.96	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	391150	101.84	ug/L	0.00
41) Toluene-d8	7.93	98	1176038	104.85	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	226467	108.32	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	432967	217.73	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	611047	102.71	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	468353	100.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	434989	99.254	ug/L 98
3) Chloromethane	1.54	50	361474	100.850	ug/L 99
5) Vinyl chloride	1.62	62	398173	101.370	ug/L 98
6) Bromomethane	1.86	94	171125	113.497	ug/L 99
8) Chloroethane	1.95	64	226692	98.512	ug/L 99
9) Trichlorofluoromethane	2.16	101	594187	99.077	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	279322	99.725	ug/L 99
12) 1,1-Dichloroethene	2.60	96	252219	99.656	ug/L 94
13) Acetone	2.65	43	512024	205.459	ug/L 99
14) Carbon disulfide	2.82	76	708428	98.729	ug/L 99
15) Methyl Acetate	2.98	43	398544	101.678	ug/L 99
16) Methylene chloride	3.08	84	306952	97.167	ug/L 97
17) trans-1,2-Dichloroethene	3.39	96	266363	100.452	ug/L 97
18) Methyl tert-butyl Ether	3.40	73	1051607	102.696	ug/L 99
19) 1,1-Dichloroethane	3.91	63	590523	99.527	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	323403	100.833	ug/L 99
22) 2-Butanone	4.75	43	663326	210.450	ug/L 100
23) Bromochloromethane	5.02	128	161737	99.998	ug/L 98
25) Chloroform	5.13	83	626181	97.597	ug/L 99
27) 1,2-Dichloroethane	5.83	62	573618	100.341	ug/L 100
29) Cyclohexane	5.42	56	516386	102.477	ug/L 100
30) 1,1,1-Trichloroethane	5.36	97	562048	99.343	ug/L 100
31) Carbon tetrachloride	5.56	117	503319	100.686	ug/L 100
33) Benzene	5.81	78	1254744	99.871	ug/L 100
34) Trichloroethene	6.57	95	328380	100.585	ug/L 99
35) Methylcyclohexane	6.79	83	509882	103.159	ug/L 100
37) 1,2-Dichloropropane	6.82	63	350039	98.018	ug/L 100
38) Bromodichloromethane	7.13	83	494427	99.029	ug/L 99
39) cis-1,3-Dichloropropene	7.64	75	567099	102.415	ug/L 99
40) 4-Methyl-2-pentanone	7.82	43	1213934	208.814	ug/L 100

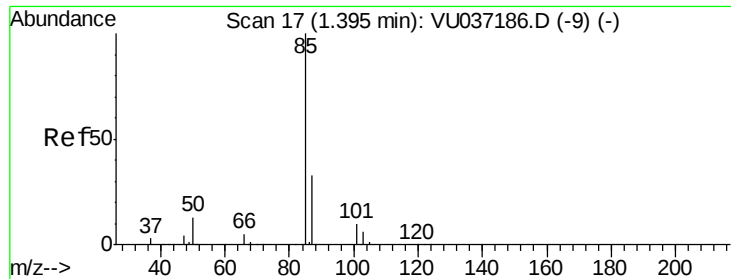
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
 Data File : VU037187.D
 Acq On : 12 Mar 2020 13:48
 Operator : JC/MD
 Sample : VSTD10036
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 13 06:56:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 06:53:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	1398527	101.936	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	552069	105.595	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	320665	98.615	ug/L	99
46) Tetrachloroethene	8.57	164	244906	100.974	ug/L	99
48) 2-Hexanone	8.71	43	994872	217.160	ug/L	100
49) Dibromochloromethane	8.84	129	390710	102.132	ug/L	98
50) 1,2-Dibromoethane	8.95	107	355531	101.316	ug/L	99
51) Chlorobenzene	9.47	112	872316	101.100	ug/L	98
52) Ethylbenzene	9.59	91	1642114	103.368	ug/L	99
53) m,p-Xylene	9.71	106	582189	103.613	ug/L	98
54) o-xylene	10.12	106	579635	104.414	ug/L	95
55) Styrene	10.13	104	1007624	107.032	ug/L	96
56) Isopropylbenzene	10.50	105	1610402	104.369	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	603738	101.717	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	501355	100.993	ug/L	99
61) Bromoform	10.31	173	311227	99.644	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	708273	99.926	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	709536	99.045	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	710963	98.207	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	160934	100.832	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	527151	102.052	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	450428	111.670	ug/L	99
69) Naphthalene	14.11	128	740323	121.024	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	467811	110.519	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 99.254 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

Instrument :

MSVOA_U

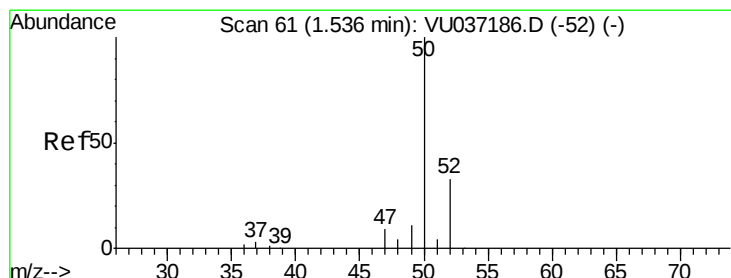
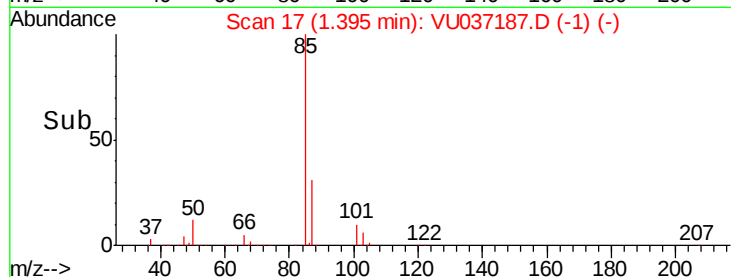
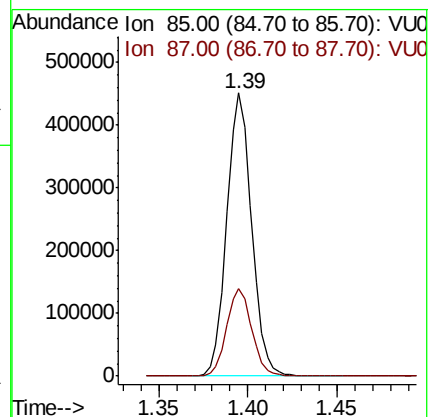
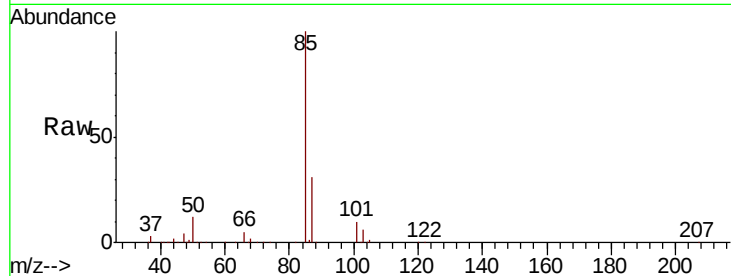
ClientSampled :

Tot Ion: 85 Resp: 434989

Ion Ratio Lower Upper

85 100

87 31.3 26.1 39.1



#3

Chloromethane

Concen: 100.850 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037187.D

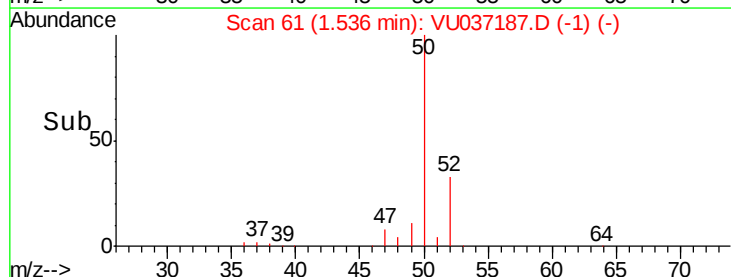
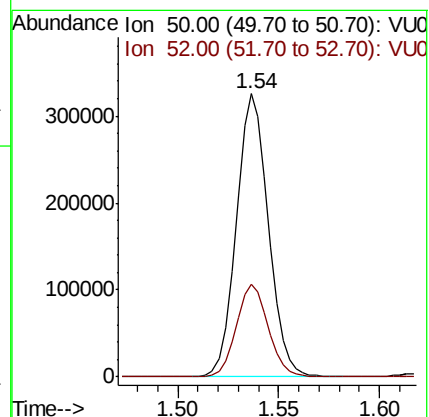
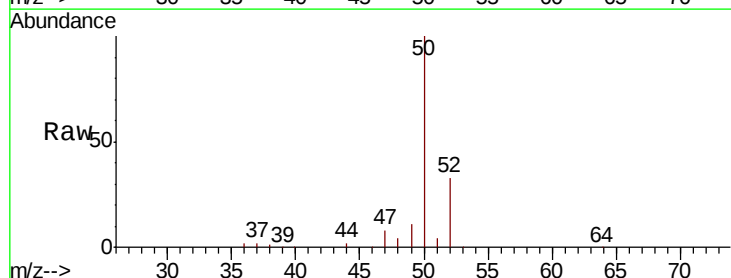
Acq: 12 Mar 2020 13:48

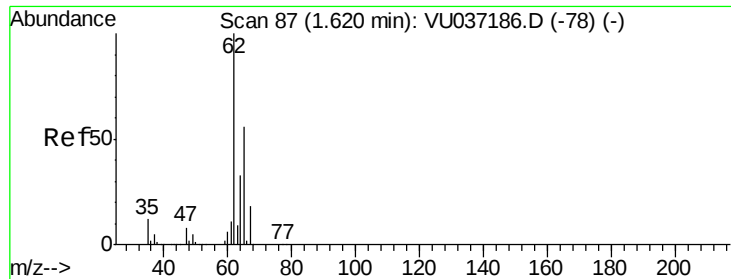
Tgt Ion: 50 Resp: 361474

Ion Ratio Lower Upper

50 100

52 32.8 23.2 43.0





#5

Vinyl chloride

Concen: 101.370 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

Instrument :

MSVOA_U

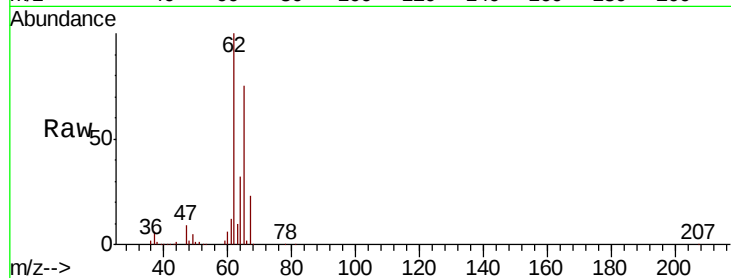
ClientSampleId :

Tot Ion: 62 Resp: 398173

Ion Ratio Lower Upper

62 100

64 32.1 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU037186.D

Ion 64.00 (63.70 to 64.70): VU037186.D

1.62

400000

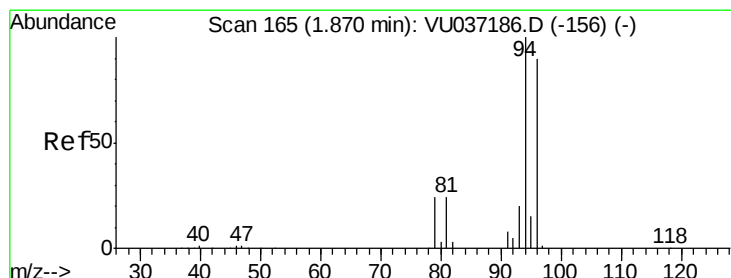
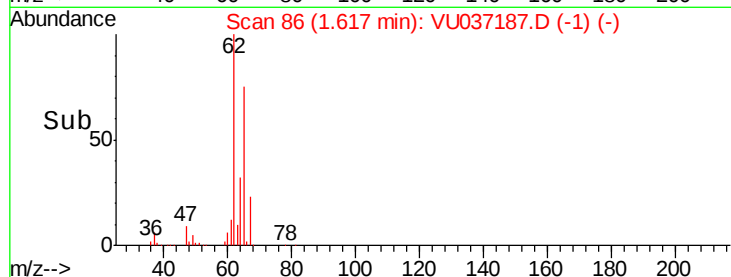
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 113.497 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.01 min

Lab File: VU037187.D

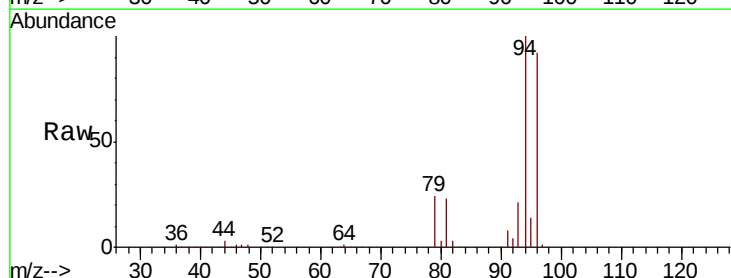
Acq: 12 Mar 2020 13:48

Tgt Ion: 94 Resp: 171125

Ion Ratio Lower Upper

94 100

96 91.8 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU037186.D

Ion 96.00 (95.70 to 96.70): VU037186.D

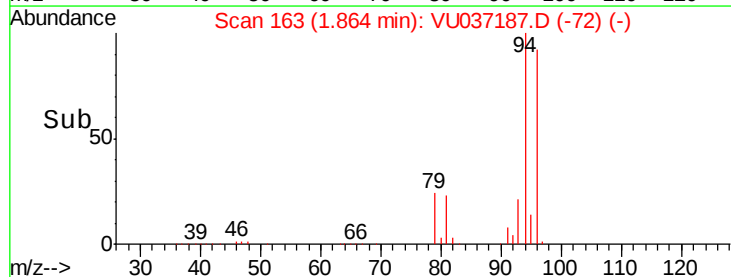
1.86

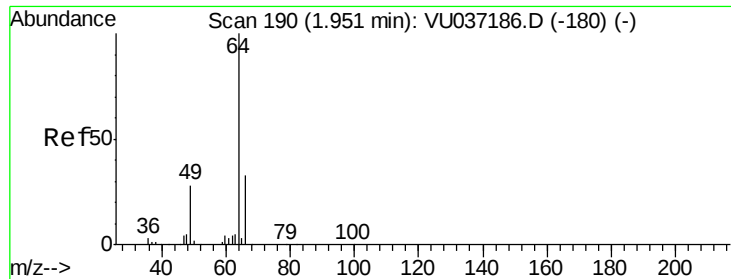
100000

50000

0

Time-->

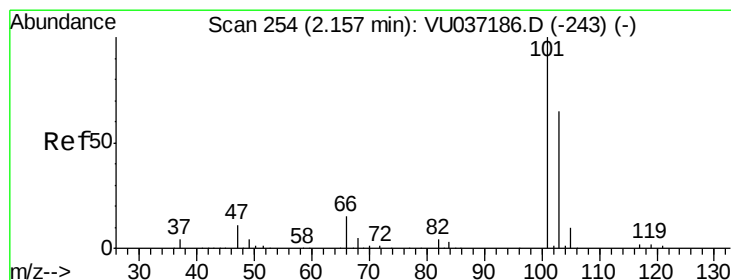
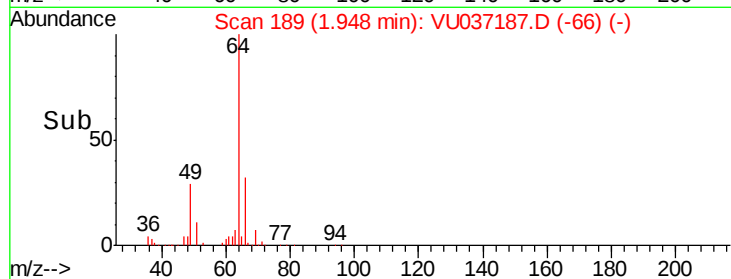
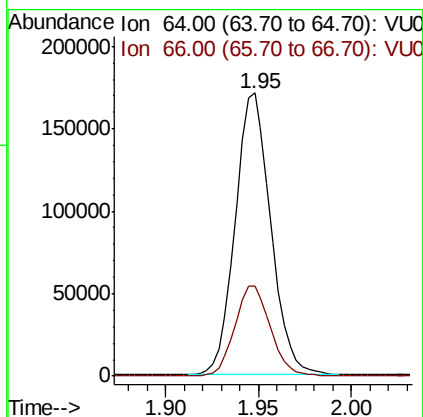
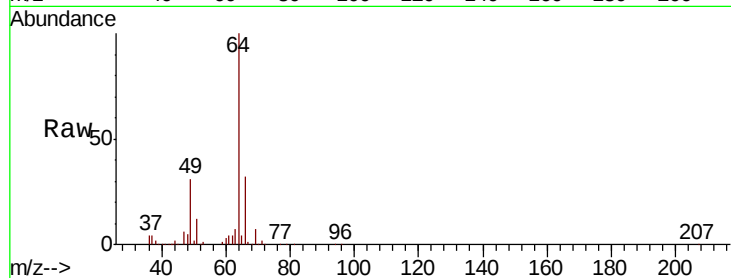




#8
Chloroethane
Concen: 98.512 ug/L
RT: 1.95 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU037187.D
Acq: 12 Mar 2020 13:48

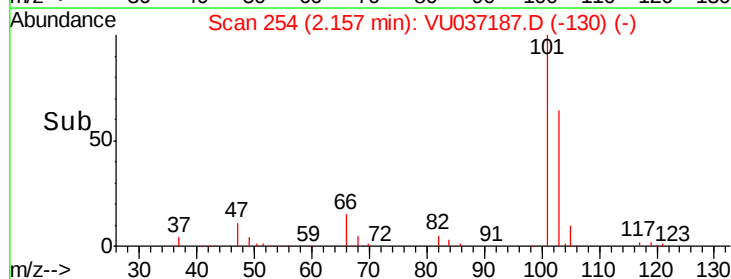
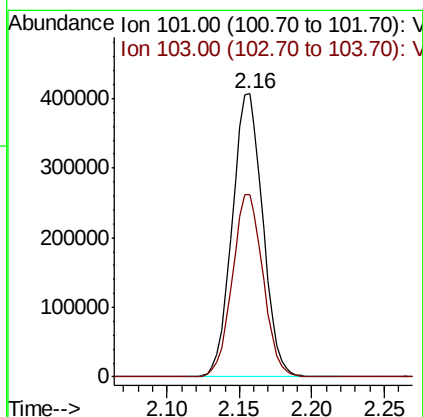
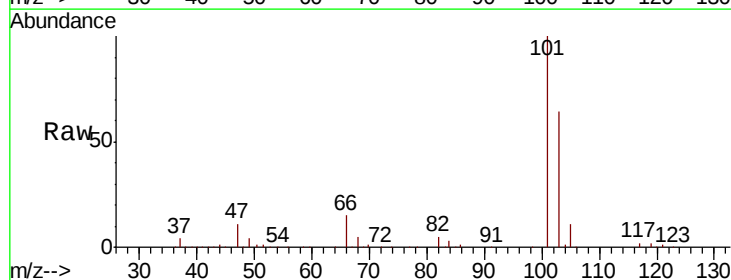
Instrument :
MSVOA_U
ClientSampleId :

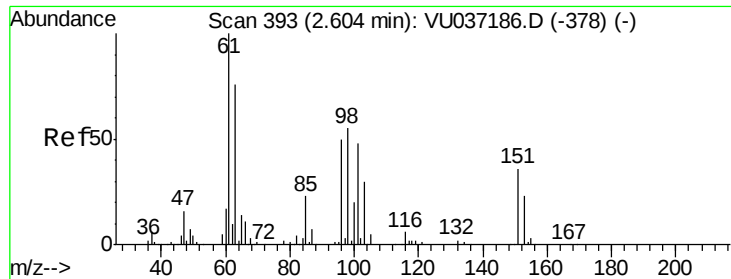
Tot Ion: 64 Resp: 226692
Ion Ratio Lower Upper
64 100
66 31.9 22.6 42.0



#9
Trichlorofluoromethane
Concen: 99.077 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU037187.D
Acq: 12 Mar 2020 13:48

Tgt Ion:101 Resp: 594187
Ion Ratio Lower Upper
101 100
103 64.8 51.1 76.7





#10

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

Concen: 99.725 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

Instrument :

MSVOA_U

ClientSampled :

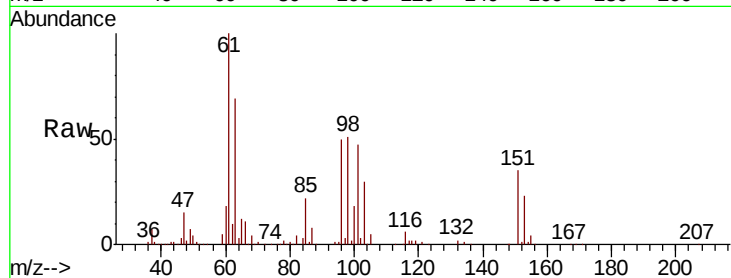
Tot Ion:101 Resp: 279322

Ion Ratio Lower Upper

101 100

85 48.0 37.8 56.6

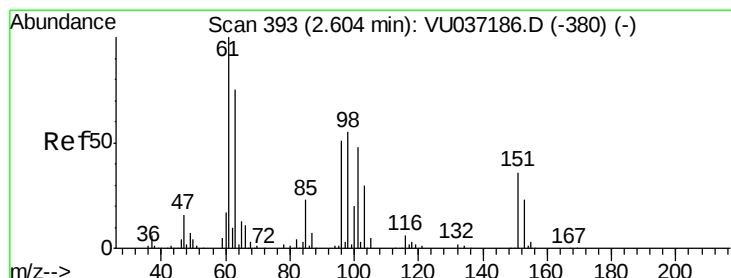
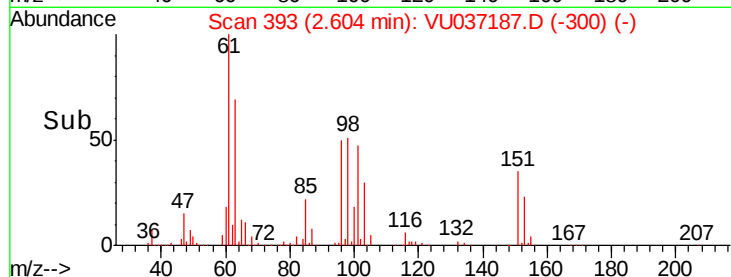
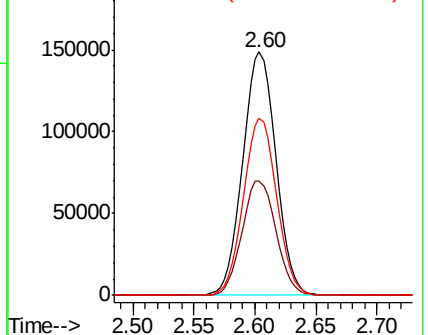
151 72.8 58.5 87.7



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: 99.656 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

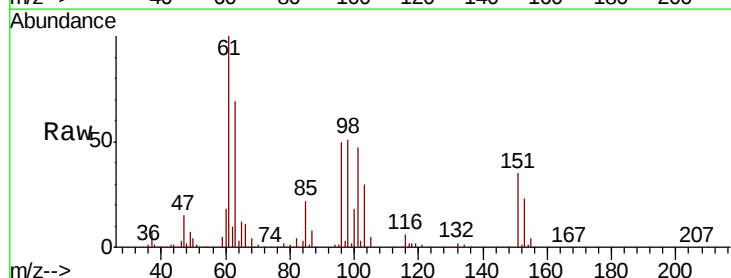
Tgt Ion: 96 Resp: 252219

Ion Ratio Lower Upper

96 100

61 200.7 138.8 257.8

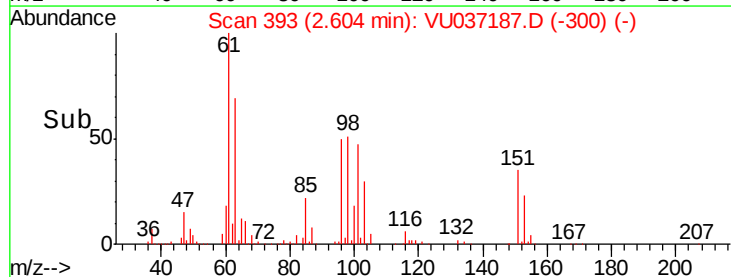
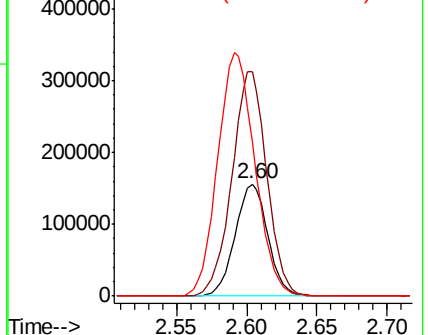
63 137.7 106.4 197.6

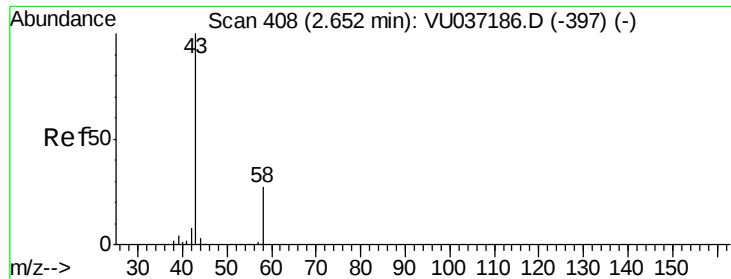


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

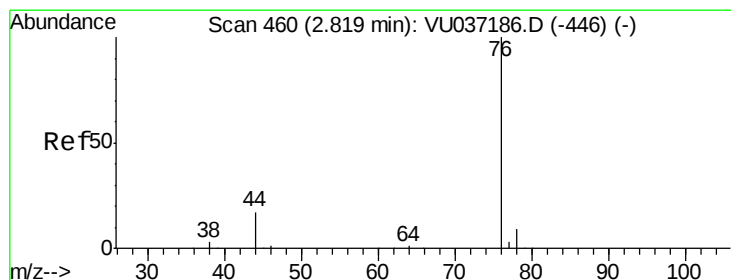
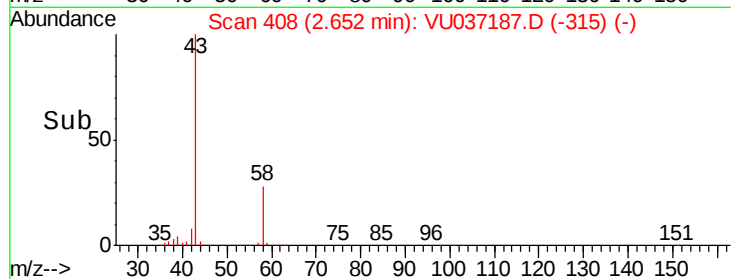
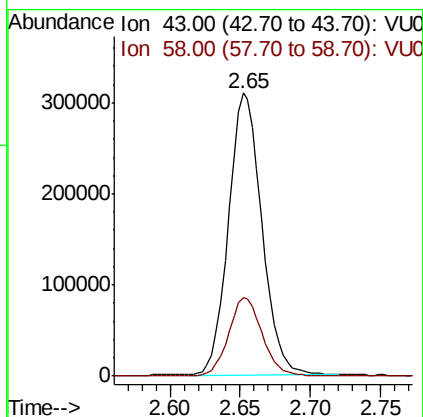
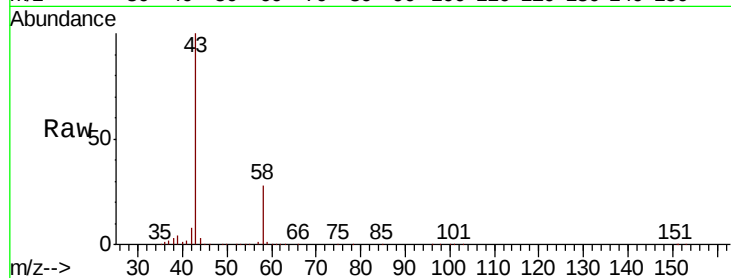




#13
Acetone
Concen: 205.459 ug/L
RT: 2.65 min Scan# 408
Delta R.T. 0.00 min
Lab File: VU037187.D
Acq: 12 Mar 2020 13:48

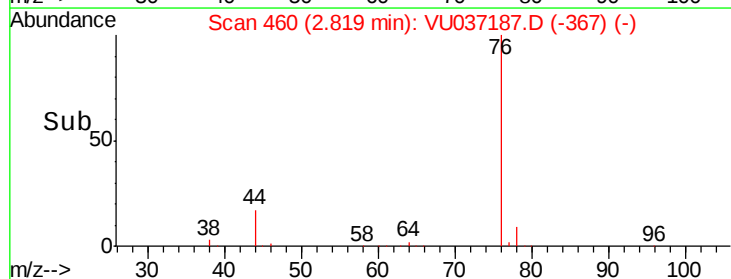
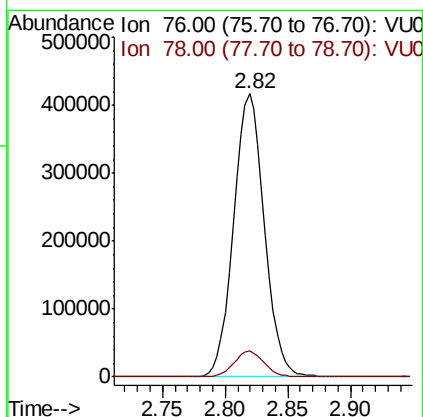
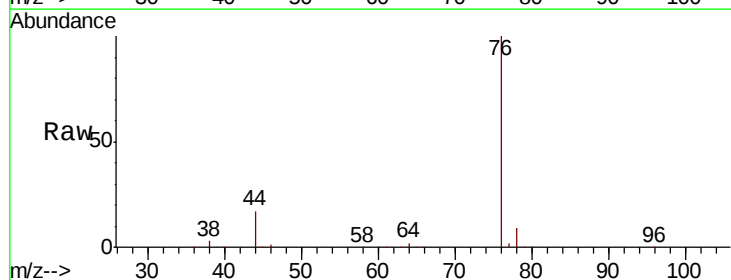
Instrument :
MSVOA_U
ClientSampleId :

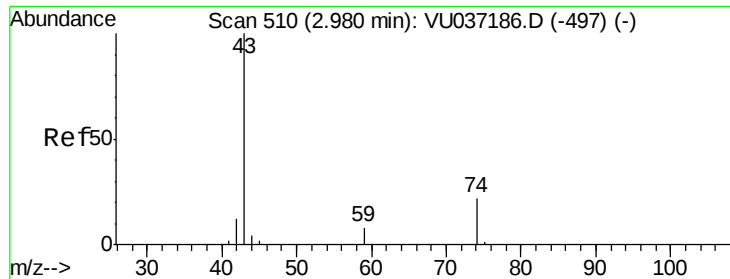
Tot Ion: 43 Resp: 512024
Ion Ratio Lower Upper
43 100
58 27.8 0.0 57.2



#14
Carbon disulfide
Concen: 98.729 ug/L
RT: 2.82 min Scan# 460
Delta R.T. 0.00 min
Lab File: VU037187.D
Acq: 12 Mar 2020 13:48

Tgt Ion: 76 Resp: 708428
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6

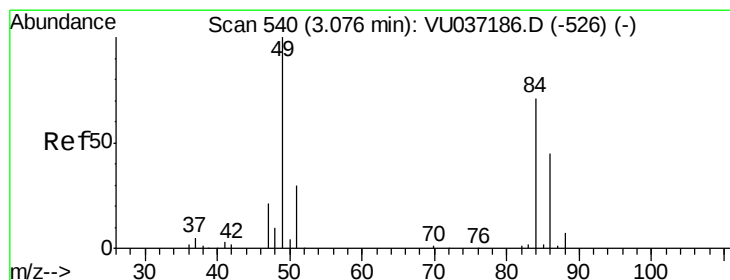
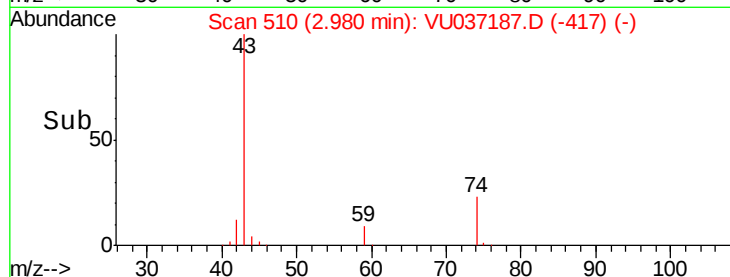
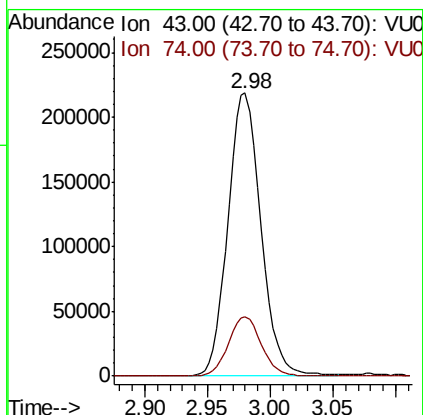
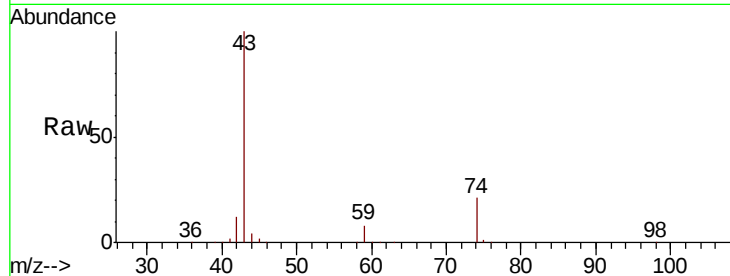




#15
Methvl Acetate
Concen: 101.678 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU037187.D
Acq: 12 Mar 2020 13:48

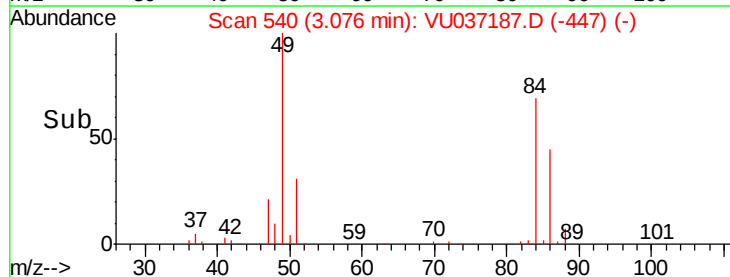
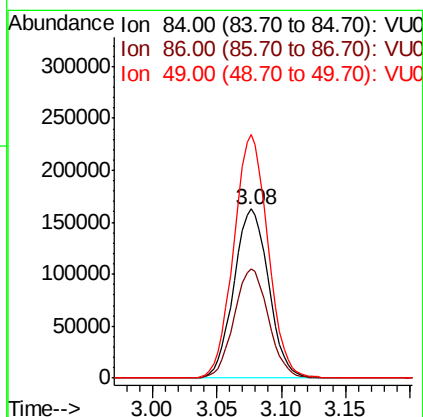
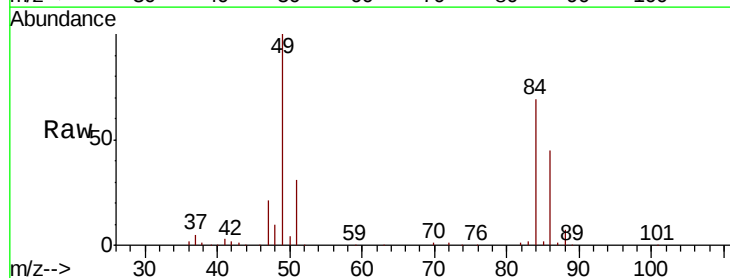
Instrument :
MSVOA_U
ClientSampleId :

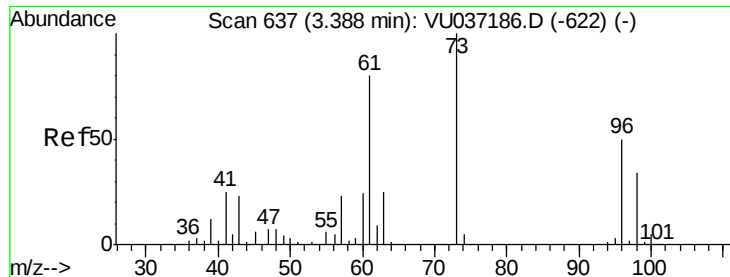
Tot Ion: 43 Resp: 398544
Ion Ratio Lower Upper
43 100
74 21.1 17.4 26.0



#16
Methylene chloride
Concen: 97.167 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037187.D
Acq: 12 Mar 2020 13:48

Tgt Ion: 84 Resp: 306952
Ion Ratio Lower Upper
84 100
86 65.1 44.0 81.6
49 144.3 98.6 183.2



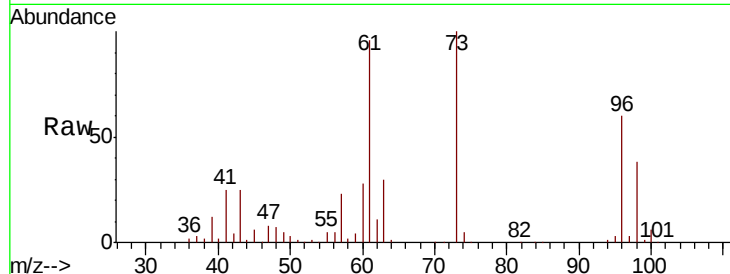


#17

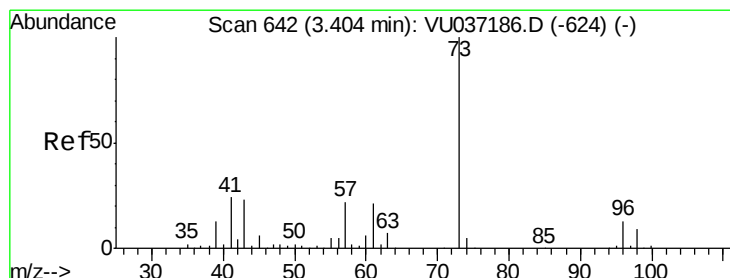
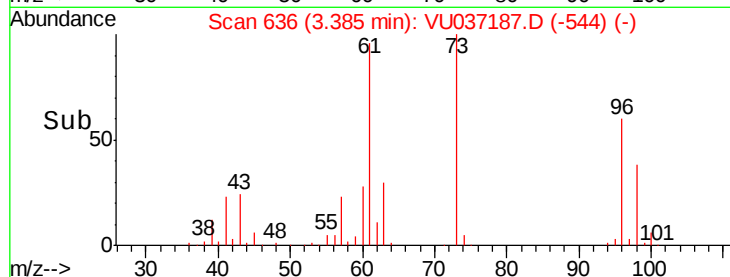
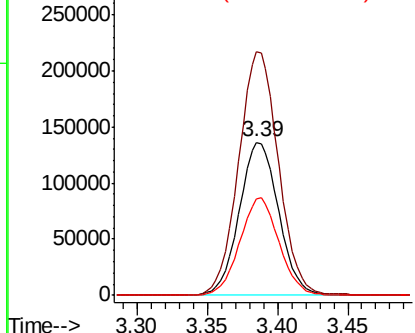
trans-1,2-Dichloroethene
Concen: 100.452 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU037187.D
Acq: 12 Mar 2020 13:48

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 266363
Ion Ratio Lower Upper
96 100
61 159.2 112.3 208.5
98 63.1 48.0 89.2



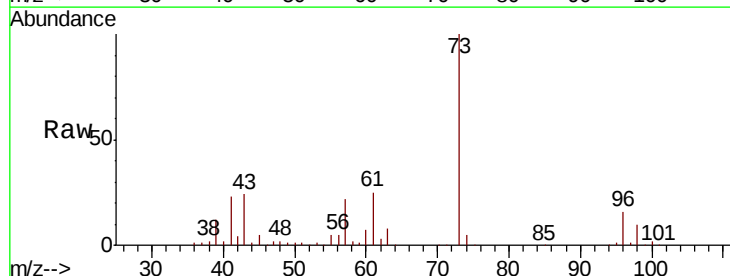
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



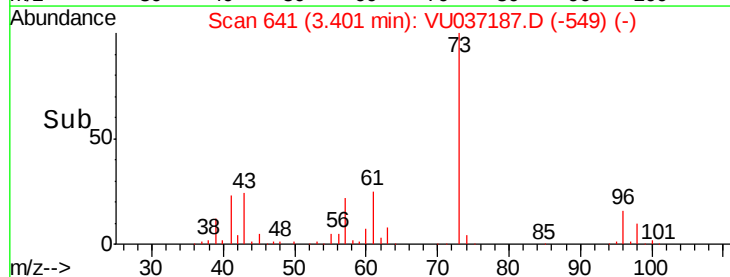
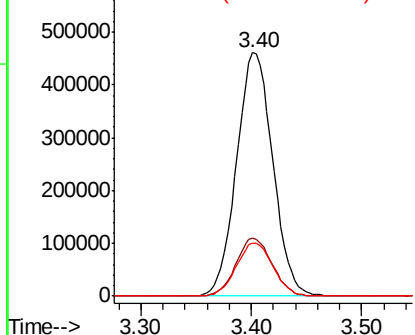
#18

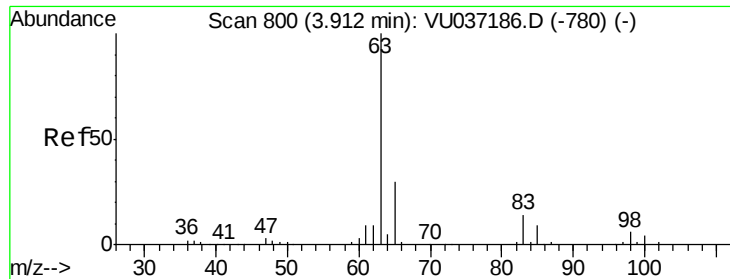
Methyl tert-butyl Ether
Concen: 102.696 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU037187.D
Acq: 12 Mar 2020 13:48

Tgt Ion: 73 Resp: 1051607
Ion Ratio Lower Upper
73 100
43 23.7 18.5 27.7
57 22.2 17.7 26.5



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: 99.527 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

Instrument :

MSVOA_U

ClientSampleId :

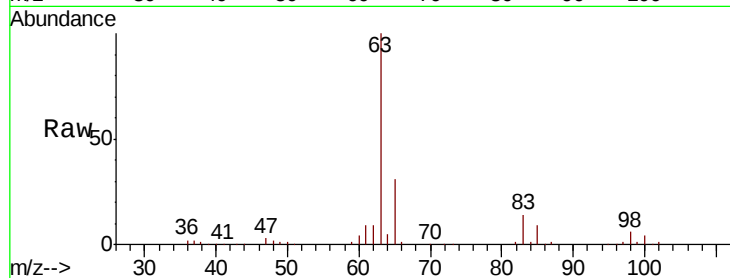
Tot Ion: 63 Resp: 590523

Ion Ratio Lower Upper

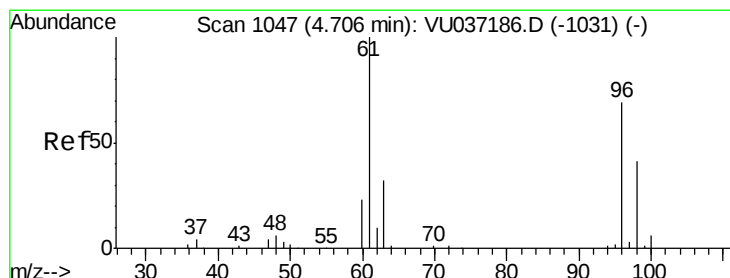
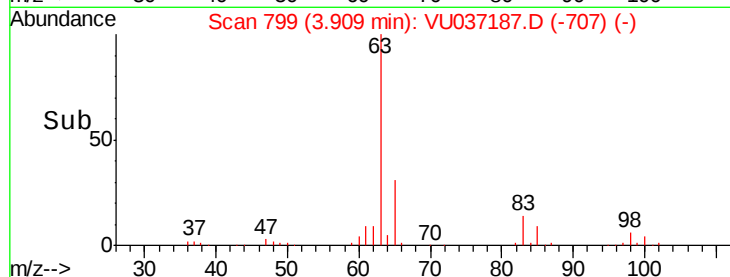
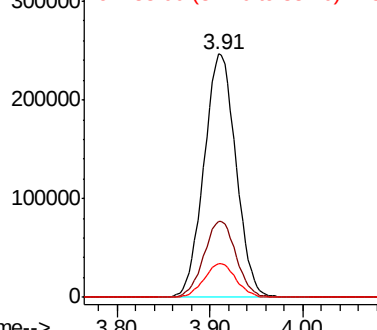
63 100

65 31.2 20.8 38.6

83 14.0 9.9 18.3



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: 100.833 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

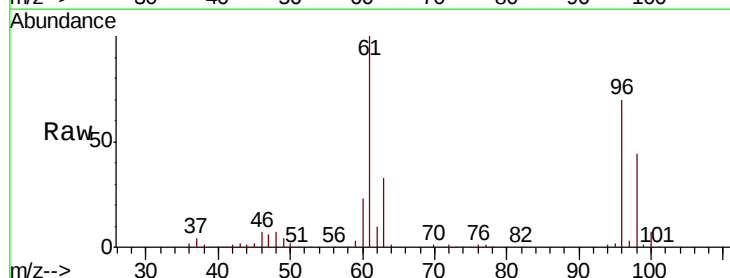
Tgt Ion: 96 Resp: 323403

Ion Ratio Lower Upper

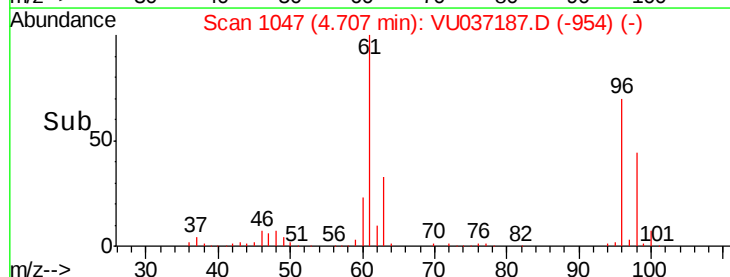
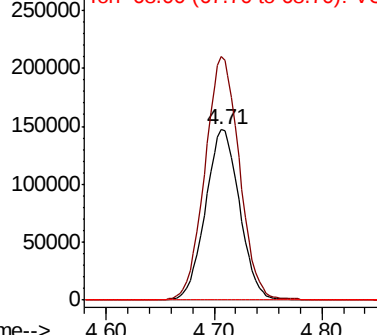
96 100

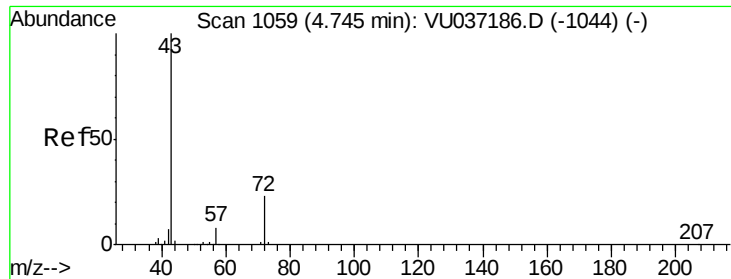
61 142.7 101.2 187.8

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: 210.450 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

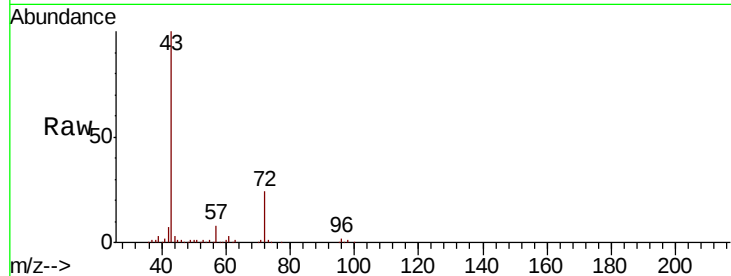
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 663326

Ion Ratio Lower Upper

43 100

72 24.5 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VU037187.D (-1044) (-)

Ion 72.00 (71.70 to 72.70): VU037187.D (-1044) (-)

4.75

300000

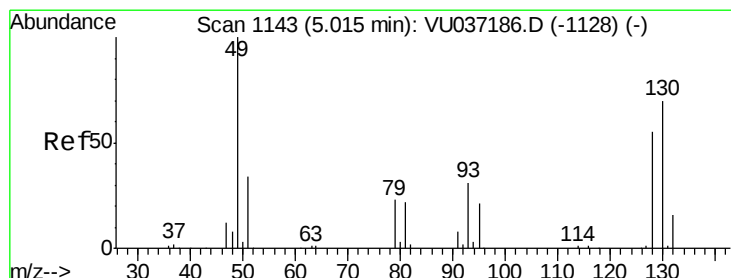
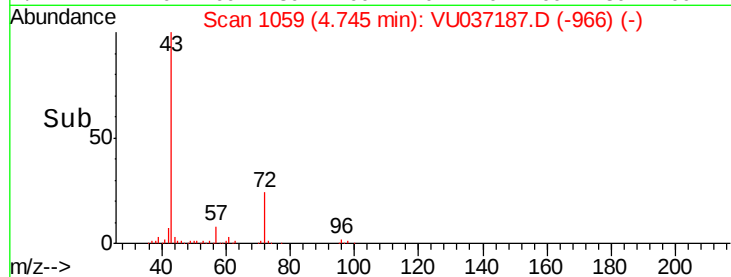
200000

100000

0

4.70 4.80

Time-->



#23

Bromochloromethane

Concen: 99.998 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

Tgt Ion: 128 Resp: 161737

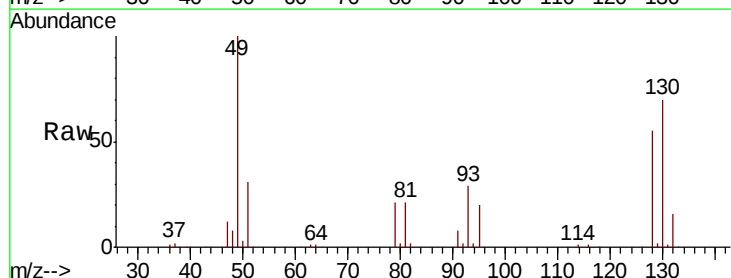
Ion Ratio Lower Upper

128 100

49 182.7 128.4 238.5

130 128.8 90.6 168.2

51 56.9 50.0 75.0



Abundance Ion 128.00 (127.70 to 128.70): VU037187.D (-1128) (-)

Ion 49.00 (48.70 to 49.70): VU037187.D (-1128) (-)

Ion 130.00 (129.70 to 130.70): VU037187.D (-1128) (-)

Ion 51.00 (50.70 to 51.70): VU037187.D (-1128) (-)

200000

150000

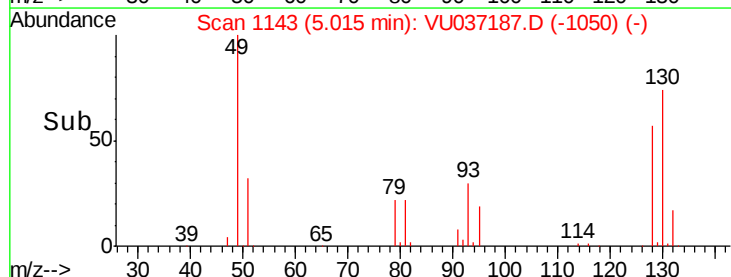
100000

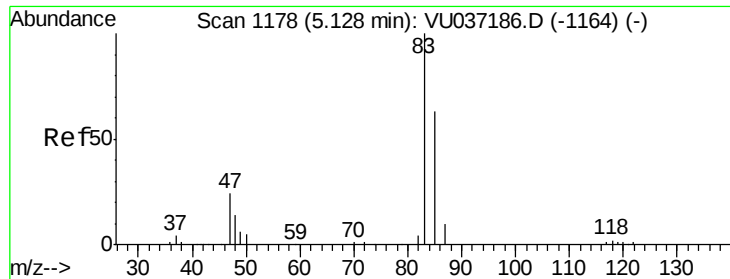
50000

0

4.90 5.00 5.10

Time-->

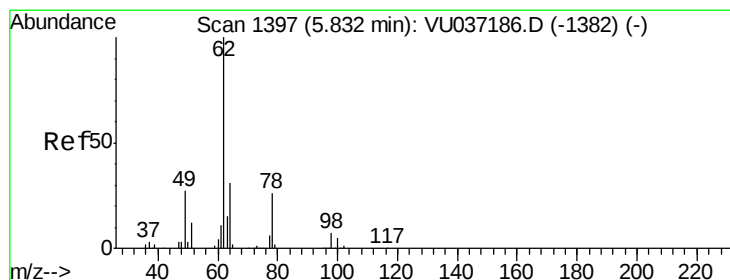
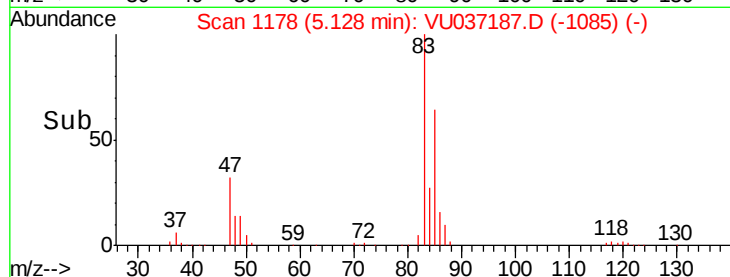
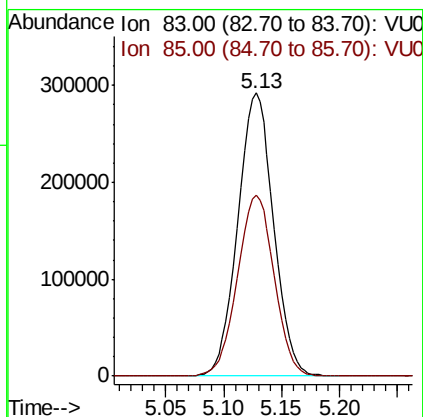
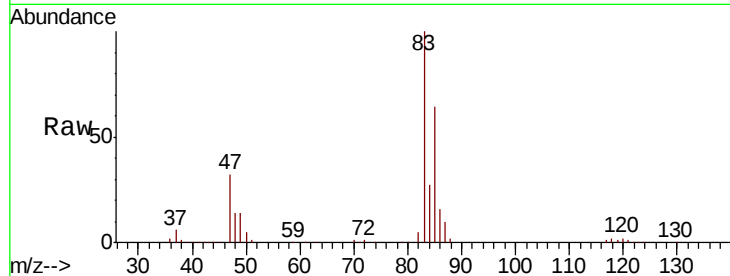




#25
Chloroform
Concen: 97.597 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037187.D
Acq: 12 Mar 2020 13:48

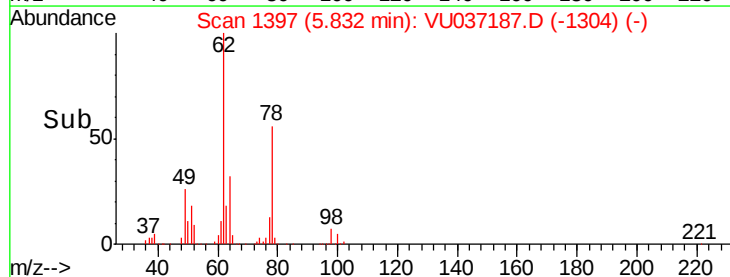
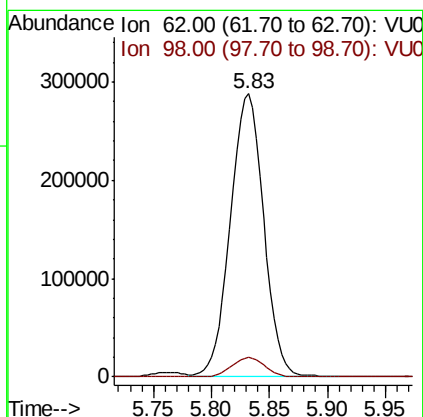
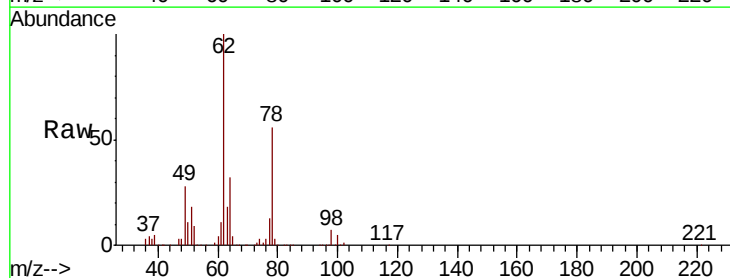
Instrument :
MSVOA_U
ClientSampled :

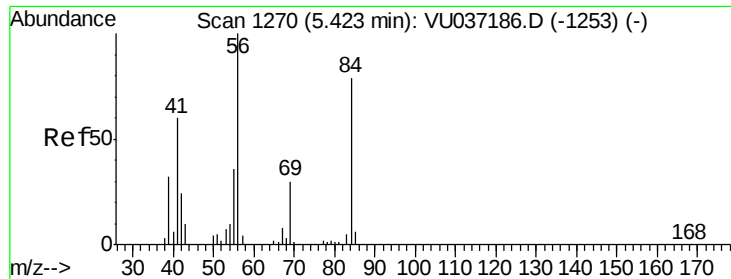
Tot Ion: 83 Resp: 626181
Ion Ratio Lower Upper
83 100
85 63.8 45.0 83.6



#27
1,2-Dichloroethane
Concen: 100.341 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037187.D
Acq: 12 Mar 2020 13:48

Tgt Ion: 62 Resp: 573618
Ion Ratio Lower Upper
62 100
98 6.8 5.6 8.4

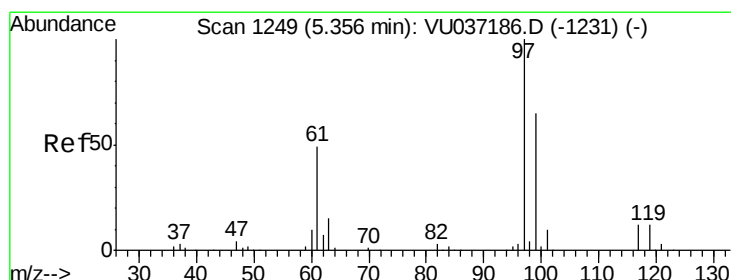
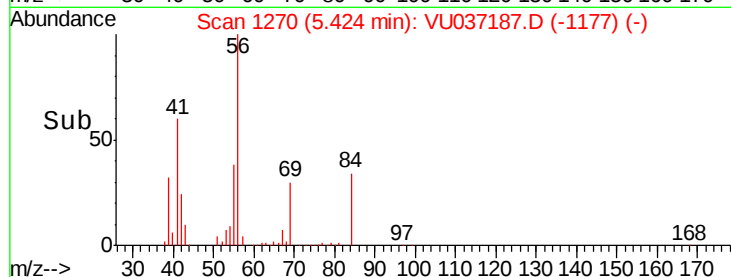
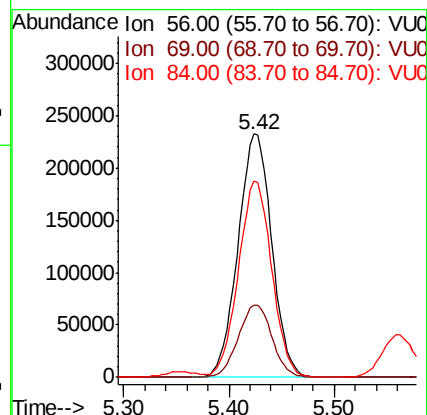
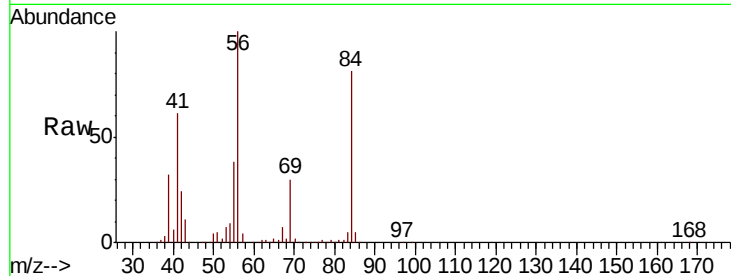




#29
Cyclohexane
Concen: 102.477 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037187.D
Acq: 12 Mar 2020 13:48

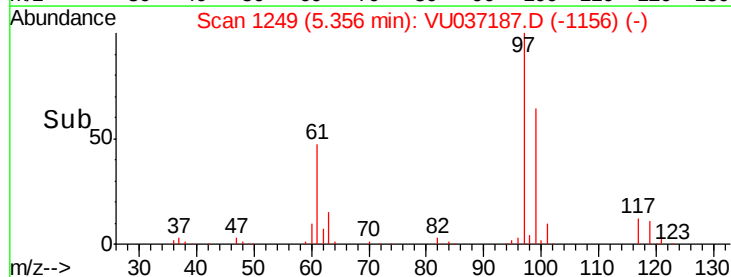
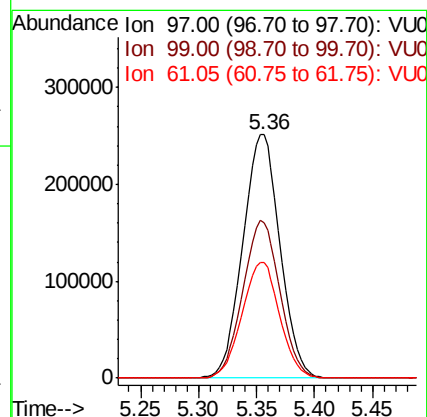
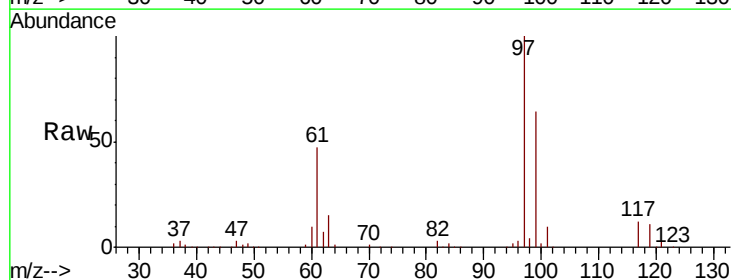
Instrument :
MSVOA_U
ClientSampled :

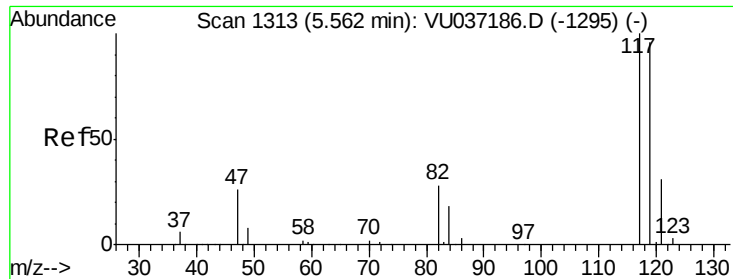
Tot Ion: 56 Resp: 516386
Ion Ratio Lower Upper
56 100
69 29.7 23.9 35.9
84 79.6 64.0 96.0



#30
1,1,1-Trichloroethane
Concen: 99.343 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU037187.D
Acq: 12 Mar 2020 13:48

Tgt Ion: 97 Resp: 562048
Ion Ratio Lower Upper
97 100
99 64.5 51.4 77.0
61 48.3 39.0 58.4

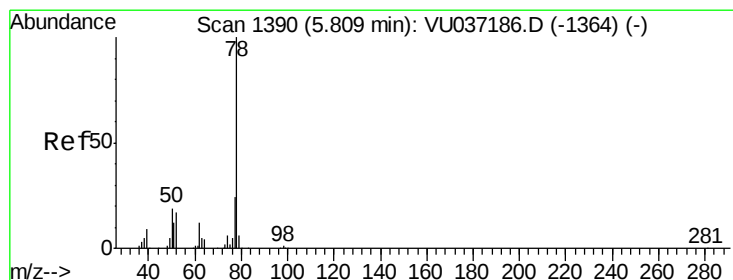
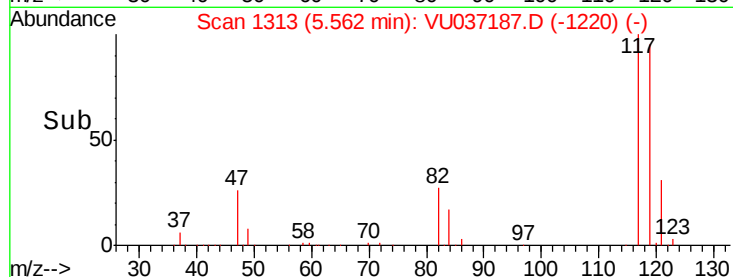
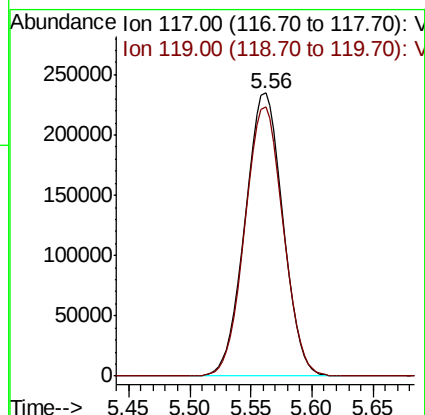
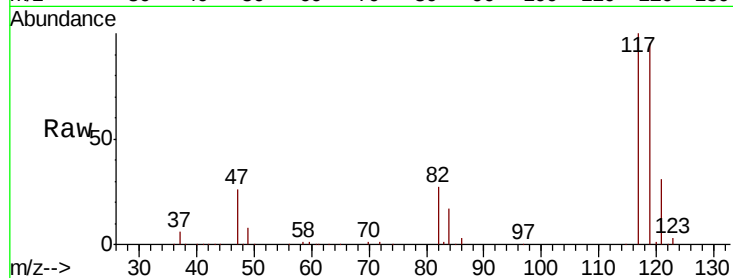




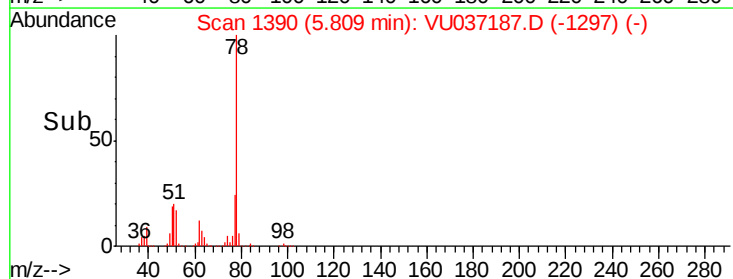
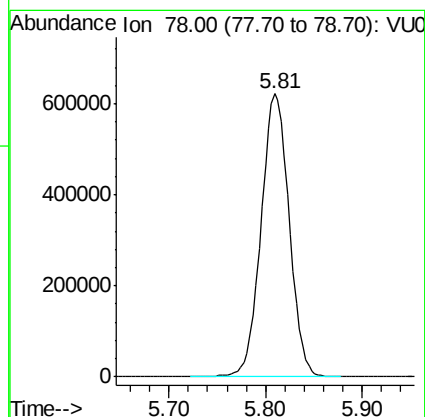
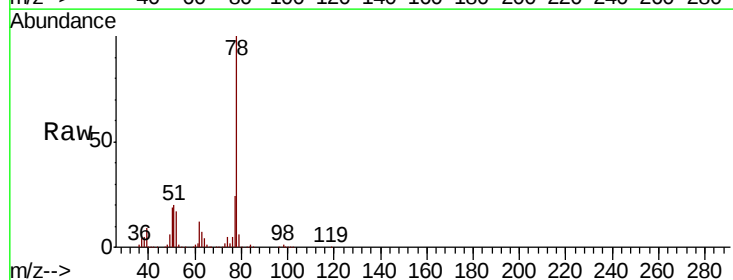
#31
Carbon tetrachloride
Concen: 100.686 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU037187.D
Acq: 12 Mar 2020 13:48

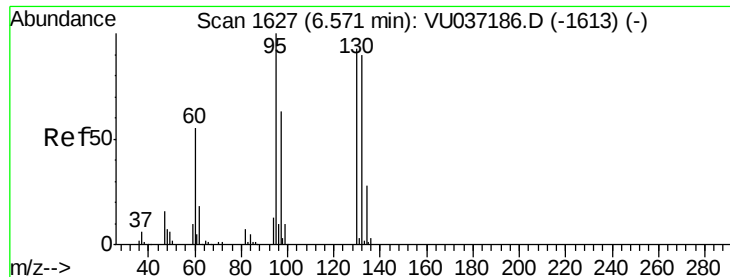
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 503319
Ion Ratio Lower Upper
117 100
119 96.4 76.8 115.2



#33
Benzene
Concen: 99.871 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU037187.D
Acq: 12 Mar 2020 13:48
Tgt Ion: 78 Resp: 1254744

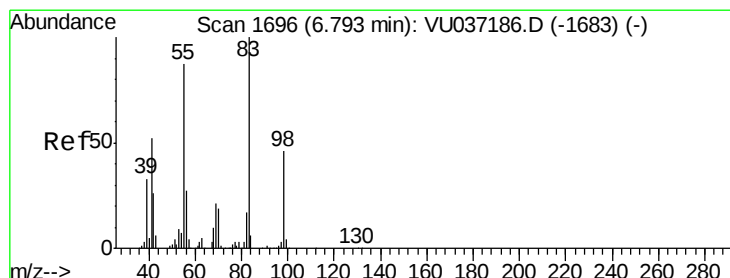
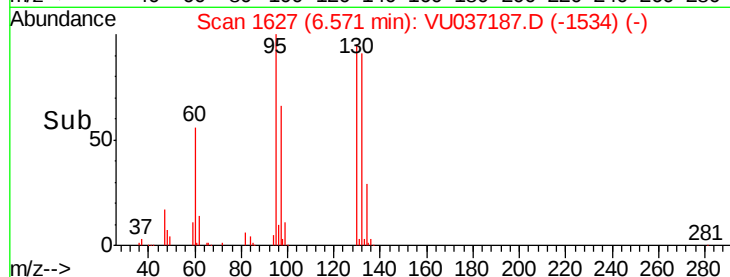
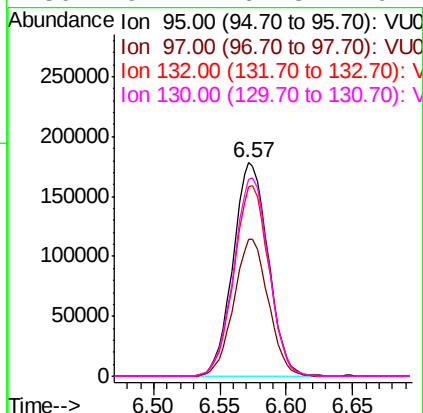
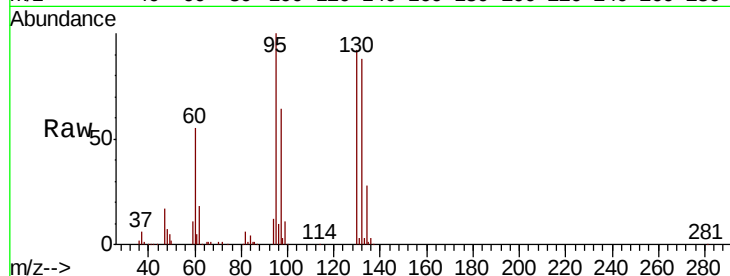




#34
 Trichloroethene
 Concen: 100.585 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037187.D
 Acq: 12 Mar 2020 13:48

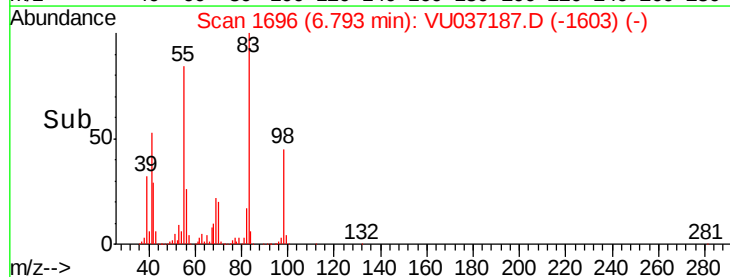
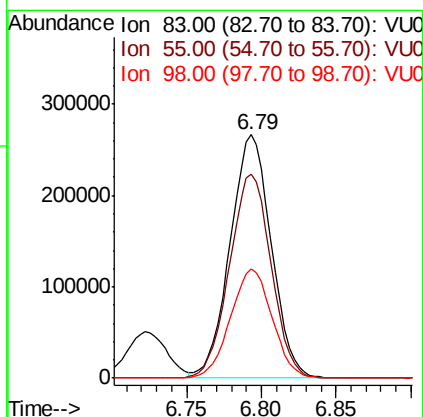
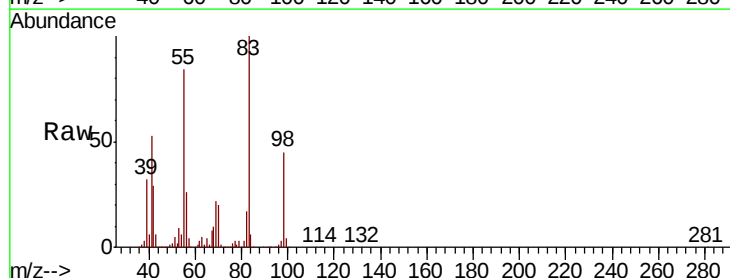
Instrument :
 MSVOA_U
 ClientSampleId :

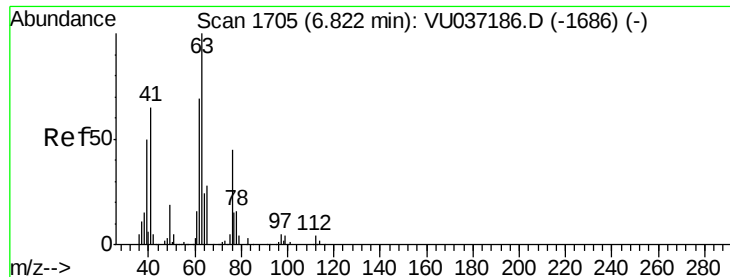
Tot Ion: 95 Resp: 328380
 Ion Ratio Lower Upper
 95 100
 97 64.0 43.8 81.4
 132 88.5 62.6 116.3
 130 92.2 64.8 120.4



#35
 Methylcyclohexane
 Concen: 103.159 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037187.D
 Acq: 12 Mar 2020 13:48

Tgt Ion: 83 Resp: 509882
 Ion Ratio Lower Upper
 83 100
 55 84.9 68.2 102.2
 98 45.3 36.4 54.6





#37

1,2-Dichloropropane

Concen: 98.018 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

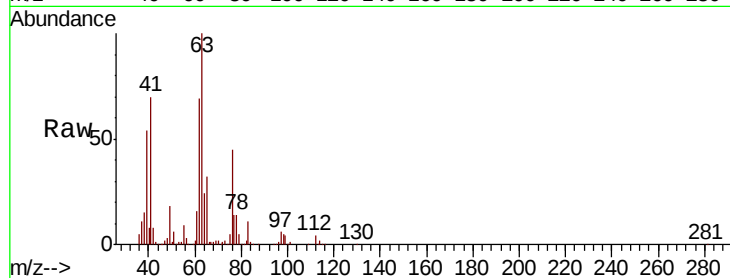
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 350039

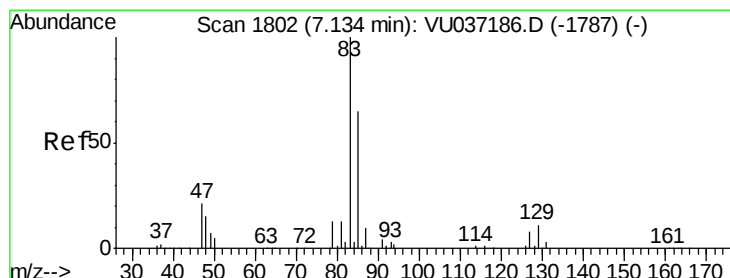
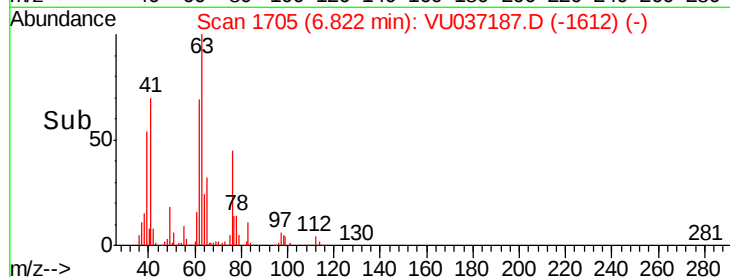
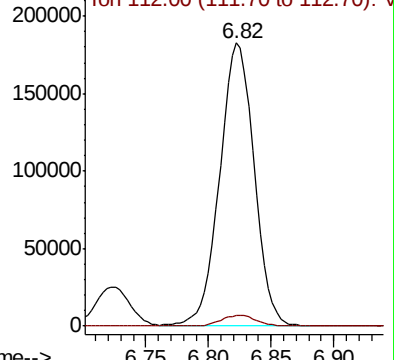
Ion Ratio Lower Upper

63 100

112 3.8 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU037187.D (-1612) (-)



#38

Bromodichloromethane

Concen: 99.029 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

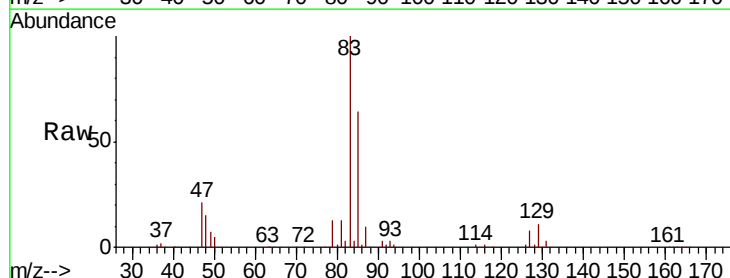
Tgt Ion: 83 Resp: 494427

Ion Ratio Lower Upper

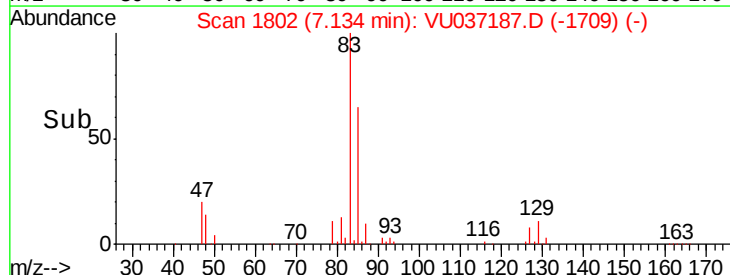
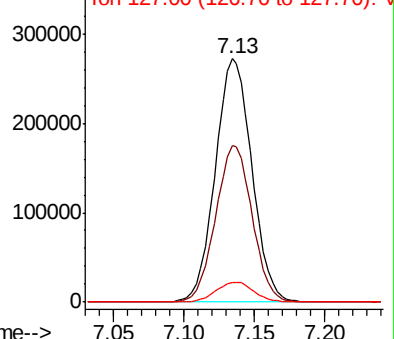
83 100

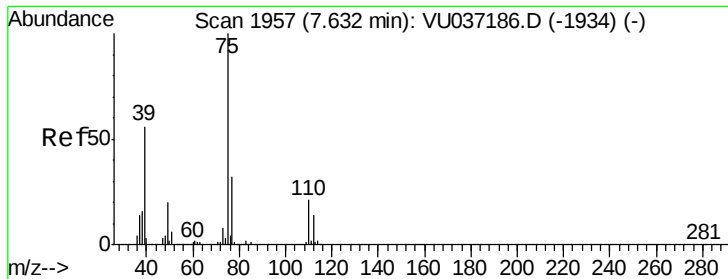
85 64.1 45.7 84.9

127 8.2 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VU037187.D (-1709) (-)



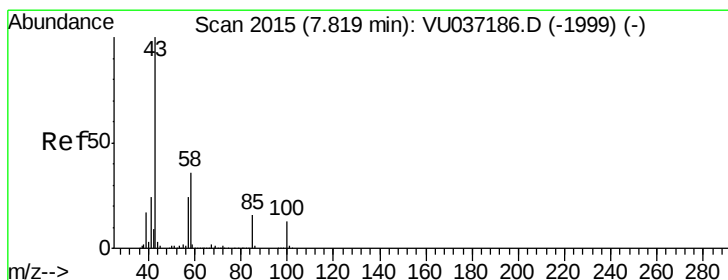
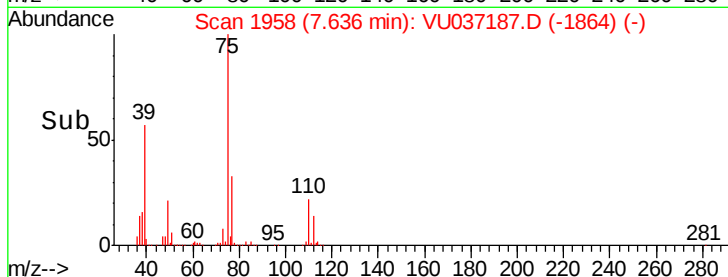
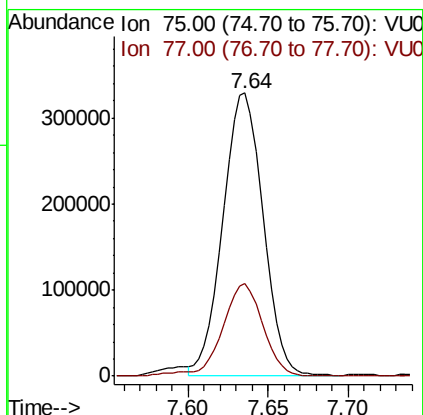
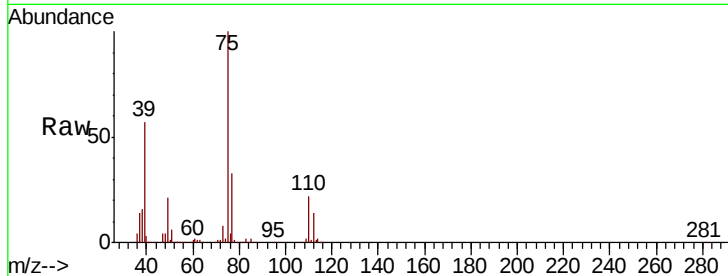


#39

cis-1,3-Dichloropropene
Concen: 102.415 ug/L
RT: 7.64 min Scan# 1958
Delta R.T. 0.00 min
Lab File: VU037187.D
Acq: 12 Mar 2020 13:48

Instrument :
MSVOA_U
ClientSampled :

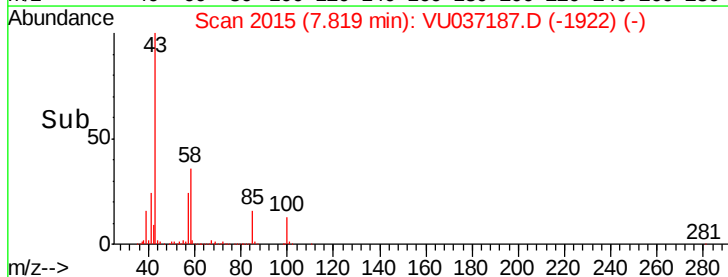
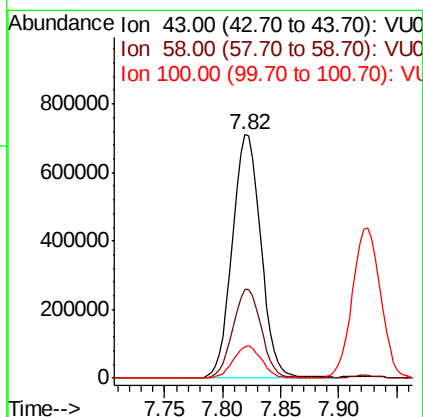
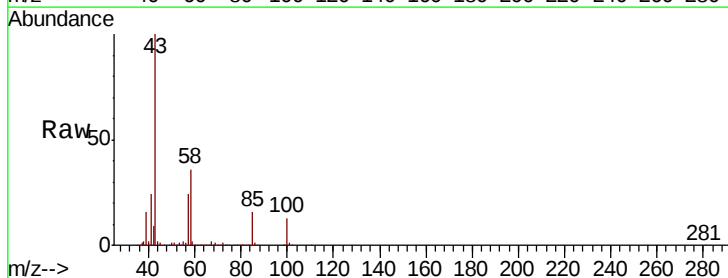
Tot Ion: 75 Resp: 567099
Ion Ratio Lower Upper
75 100
77 32.7 22.5 41.9

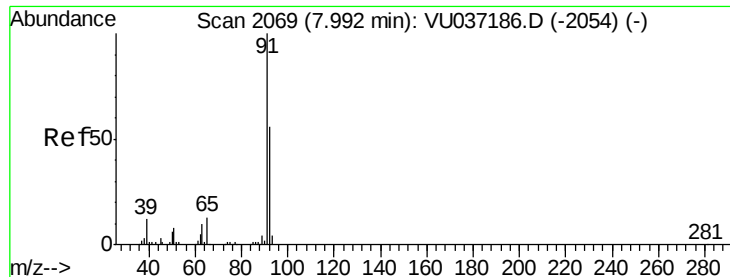


#40

4-Methyl-2-pentanone
Concen: 208.814 ug/L
RT: 7.82 min Scan# 2015
Delta R.T. 0.00 min
Lab File: VU037187.D
Acq: 12 Mar 2020 13:48

Tgt Ion: 43 Resp: 1213934
Ion Ratio Lower Upper
43 100
58 36.5 29.3 43.9
100 13.0 10.3 15.5





#42

Toluene

Concen: 101.936 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

Instrument :

MSVOA_U

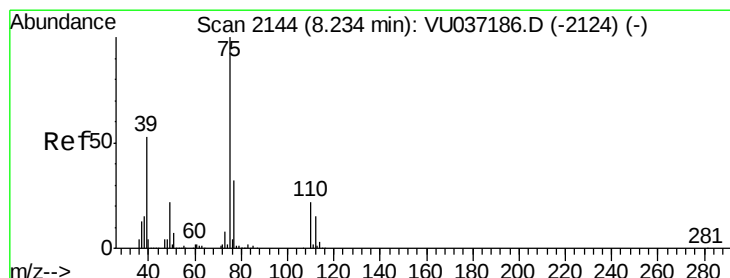
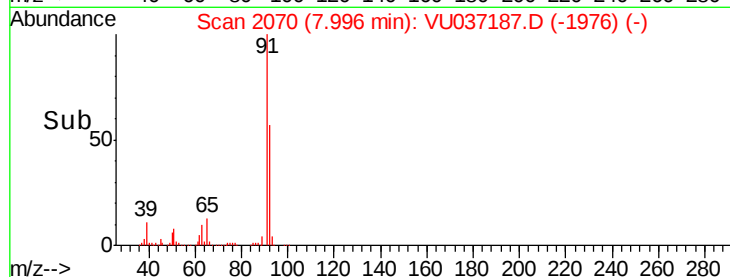
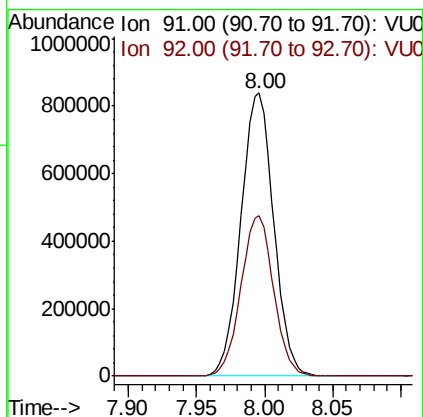
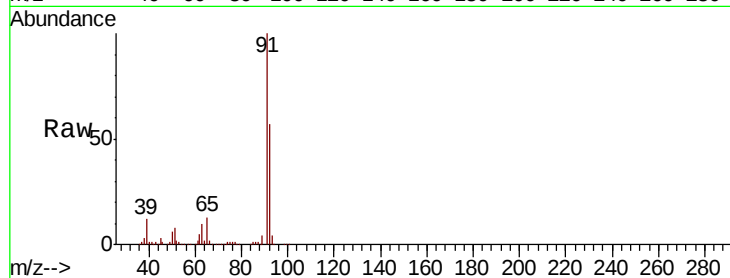
ClientSampleId :

Tot Ion: 91 Resp: 1398527

Ion Ratio Lower Upper

91 100

92 56.7 39.1 72.5



#44

trans-1,3-Dichloropropene

Concen: 105.595 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037187.D

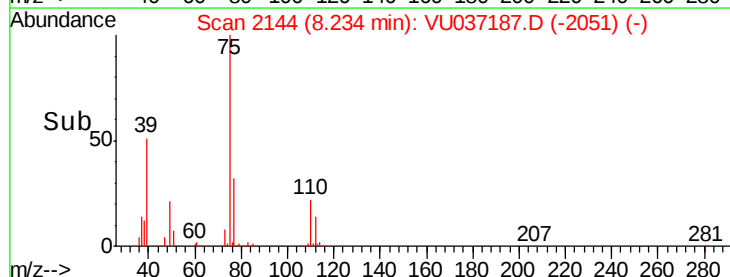
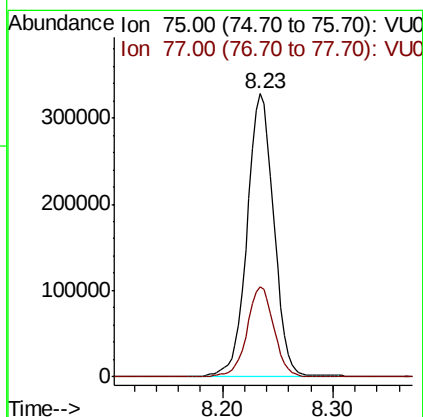
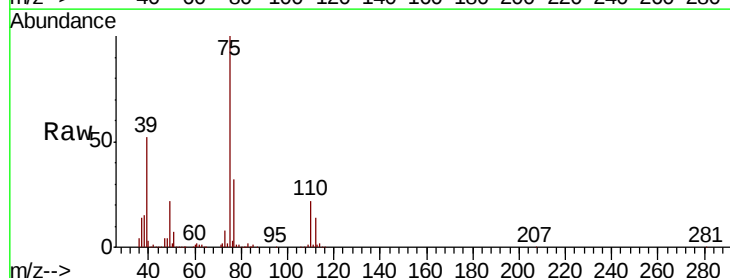
Acq: 12 Mar 2020 13:48

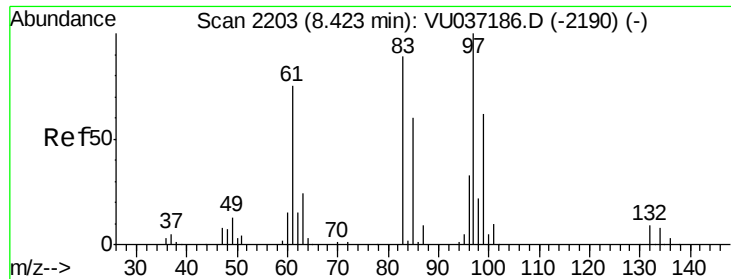
Tgt Ion: 75 Resp: 552069

Ion Ratio Lower Upper

75 100

77 31.9 22.1 41.1

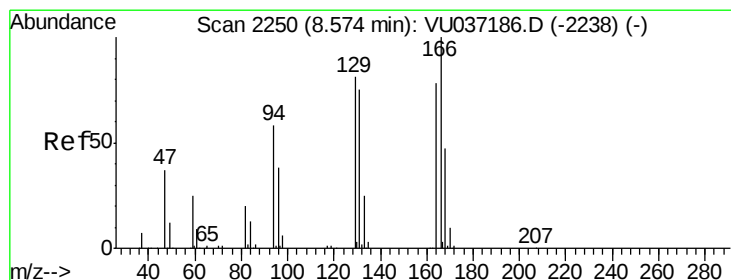
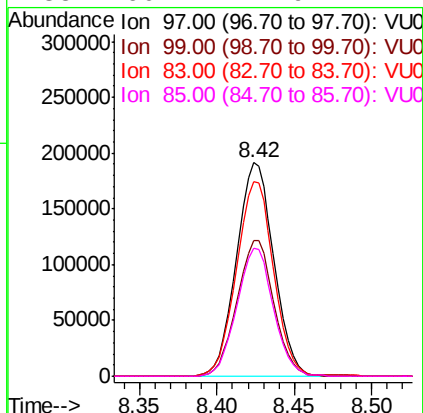
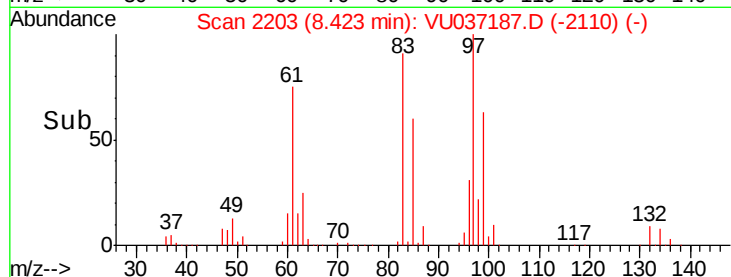
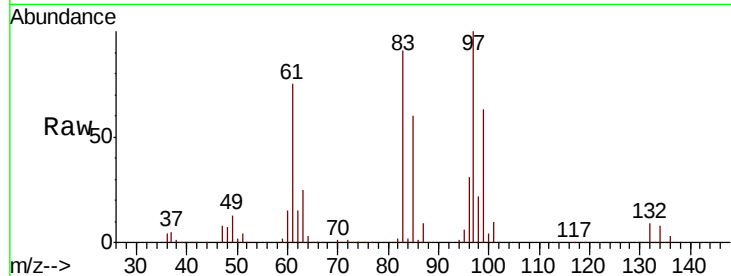




#45
 1,1,2-Trichloroethane
 Concen: 98.615 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU037187.D
 Acq: 12 Mar 2020 13:48

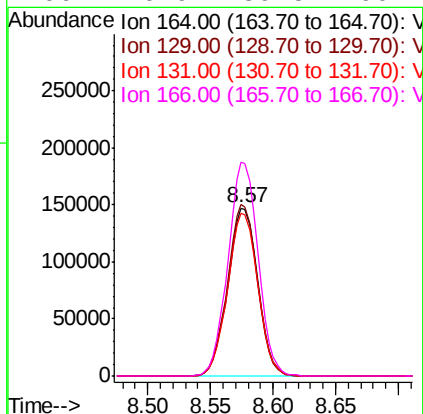
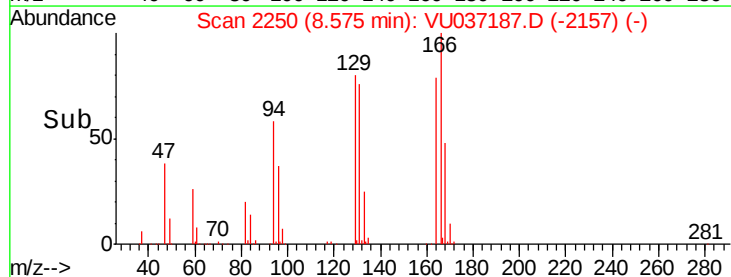
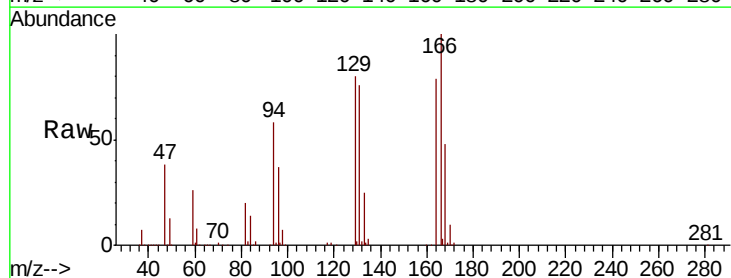
Instrument :
 MSVOA_U
 ClientSampled :

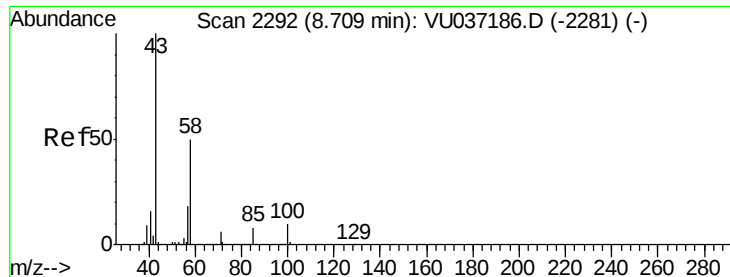
Tot Ion:	97	Resp:	320665
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.5	80.9
83	91.1	62.4	116.0
85	60.1	41.9	77.7



#46
 Tetrachloroethene
 Concen: 100.974 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU037187.D
 Acq: 12 Mar 2020 13:48

Tgt Ion:	164	Resp:	244906
Ion	Ratio	Lower	Upper
164	100		
129	101.6	72.4	134.5
131	96.7	67.1	124.7
166	126.9	89.5	166.1

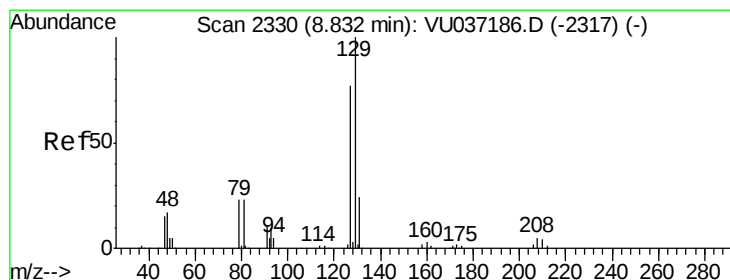
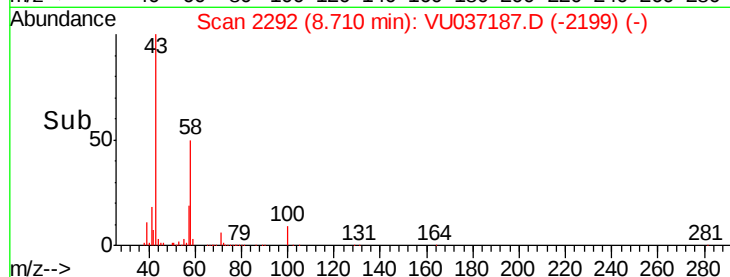
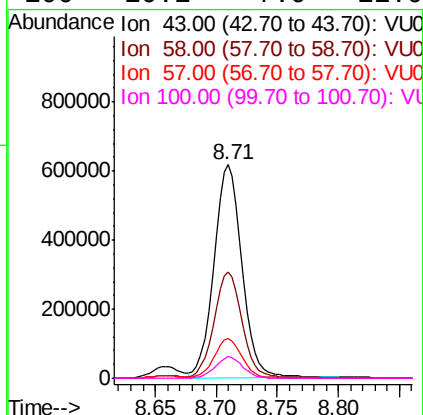
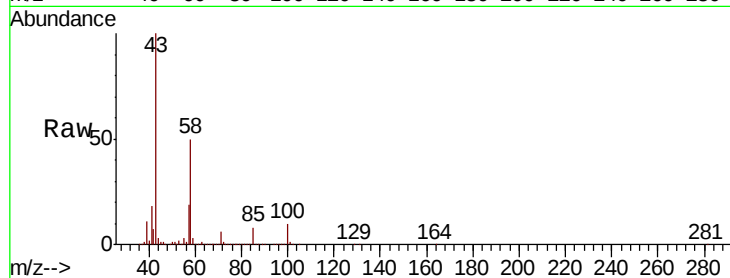




#48
2-Hexanone
Concen: 217.160 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037187.D
Acq: 12 Mar 2020 13:48

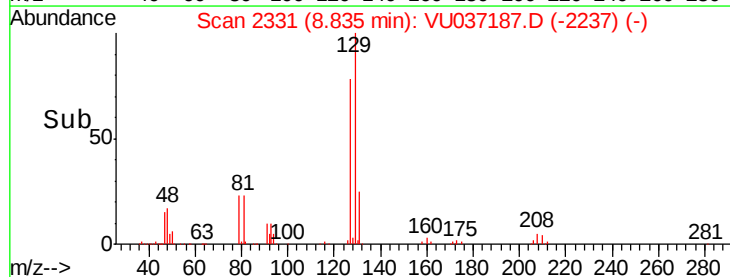
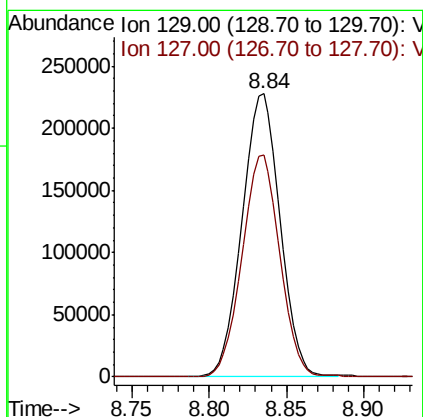
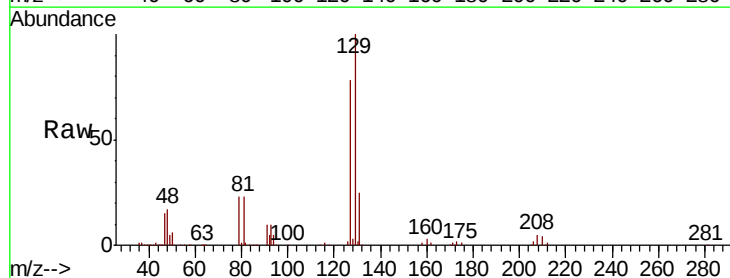
Instrument :
MSVOA_U
ClientSampleId :

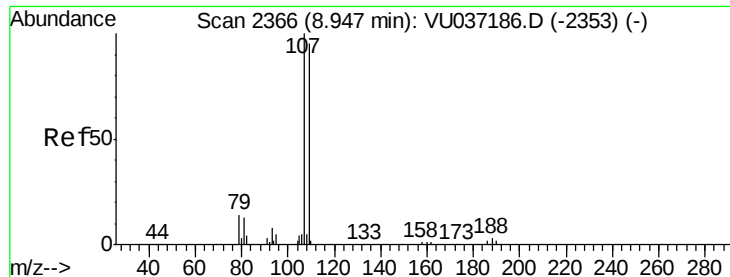
Tot Ion:	43	Resp:	994872
Ion	Ratio	Lower	Upper
43	100		
58	49.6	39.8	59.6
57	18.3	14.5	21.7
100	10.1	7.9	11.9



#49
Dibromochloromethane
Concen: 102.132 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037187.D
Acq: 12 Mar 2020 13:48

Tgt Ion:	129	Resp:	390710
Ion	Ratio	Lower	Upper
129	100		
127	78.2	53.8	100.0

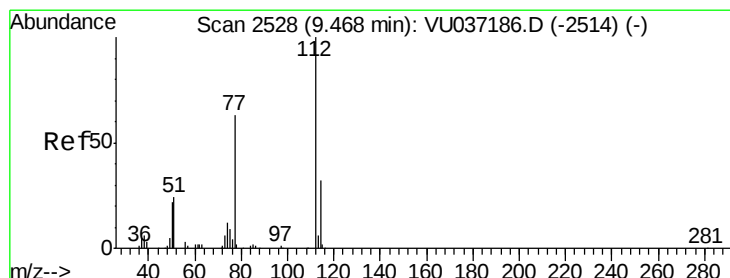
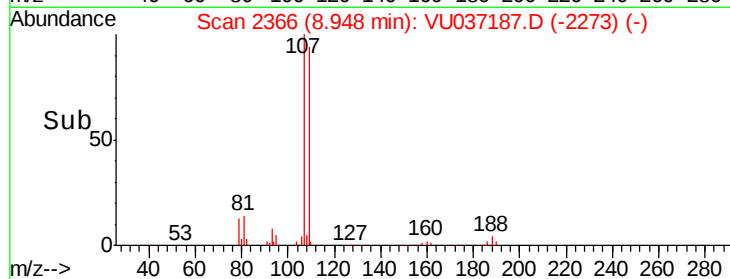
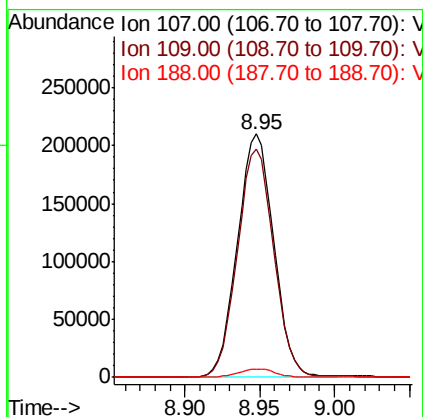
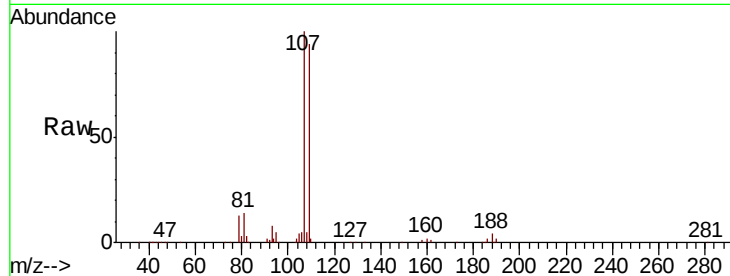




#50
 1,2-Dibromoethane
 Concen: 101.316 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037187.D
 Acq: 12 Mar 2020 13:48

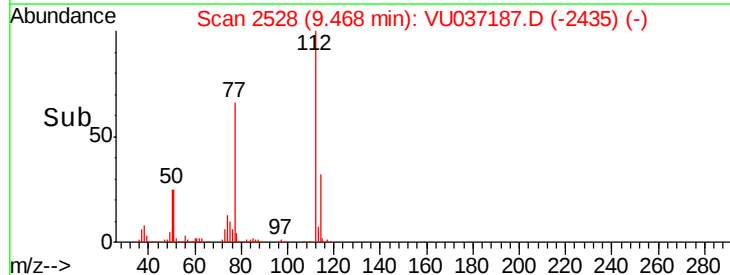
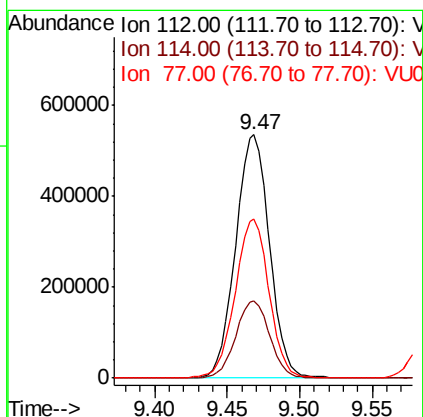
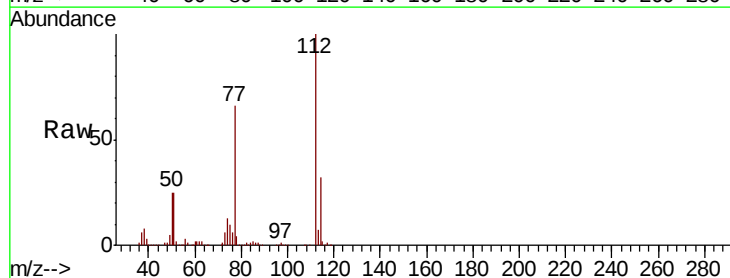
Instrument :
 MSVOA_U
 ClientSampled :

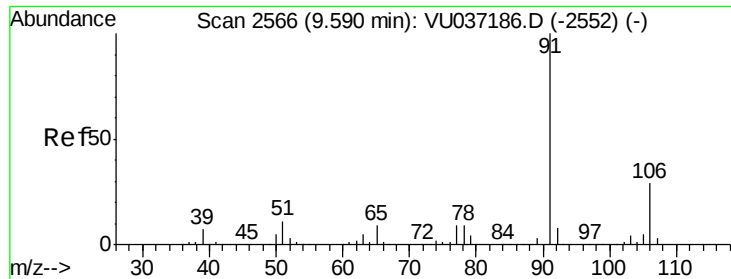
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	66.5	123.5
188	3.5	2.6	4.0



#51
 Chlorobenzene
 Concen: 101.100 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037187.D
 Acq: 12 Mar 2020 13:48

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.6	42.0
77	65.6	51.0	76.4





#52

Ethylbenzene

Concen: 103.368 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

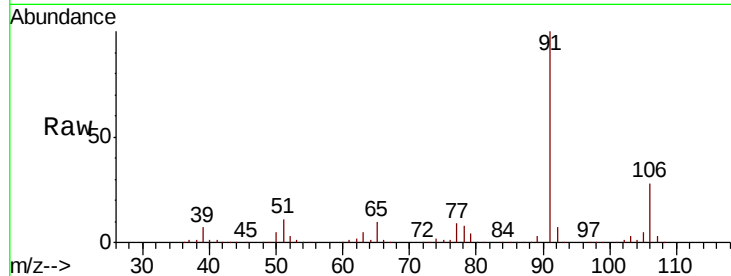
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 1642114

Ion Ratio Lower Upper

91 100

106 28.4 20.2 37.6



Abundance Ion 91.00 (90.70 to 91.70): VU037186.D (-2552) (-)

Ion 106.00 (105.70 to 106.70): VU037186.D (-2552) (-)

1200000

1000000

800000

600000

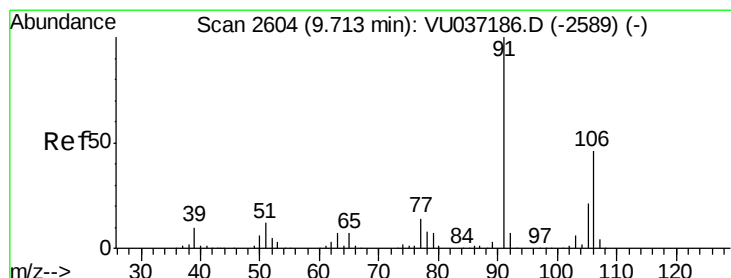
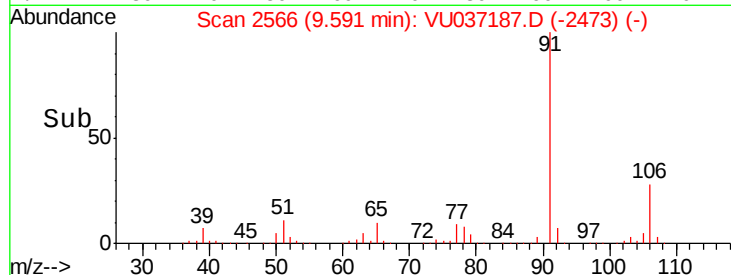
400000

200000

0

9.50 9.55 9.60 9.65 9.70

Time-->



#53

m,p-Xylene

Concen: 103.613 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037187.D

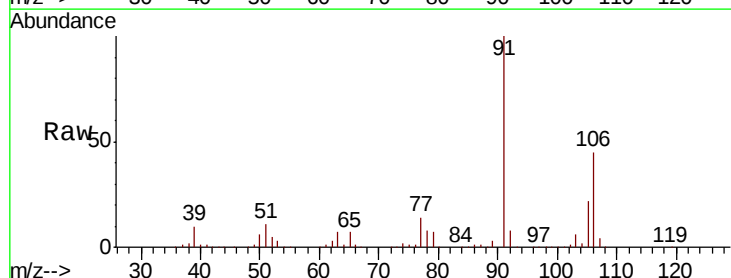
Acq: 12 Mar 2020 13:48

Tgt Ion: 106 Resp: 582189

Ion Ratio Lower Upper

106 100

91 223.4 154.0 286.0



Abundance Ion 106.00 (105.70 to 106.70): VU037186.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VU037186.D (-2589) (-)

800000

600000

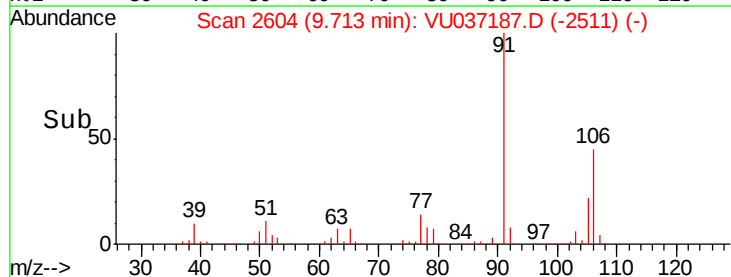
400000

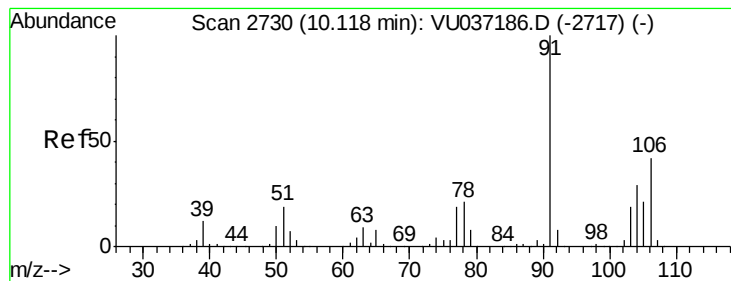
200000

0

9.65 9.70 9.75 9.80

Time-->





#54

o-xylene

Concen: 104.414 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

Instrument :

MSVOA_U

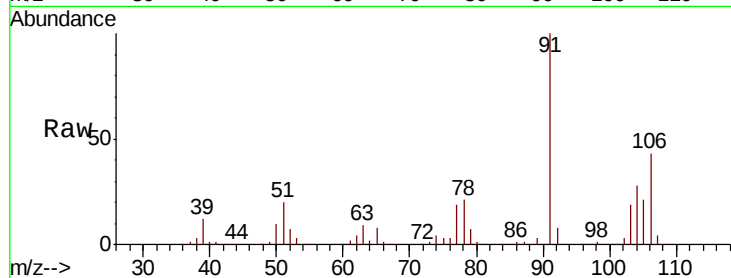
ClientSampled :

Tot Ion:106 Resp: 579635

Ion Ratio Lower Upper

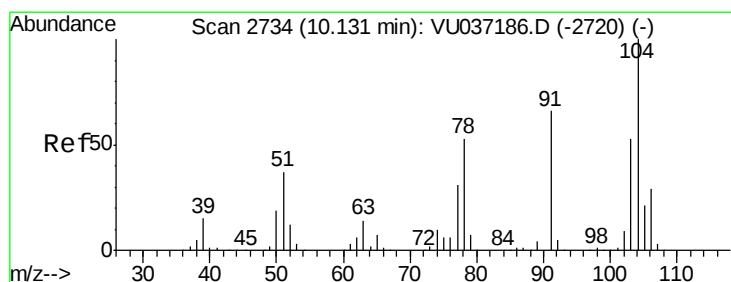
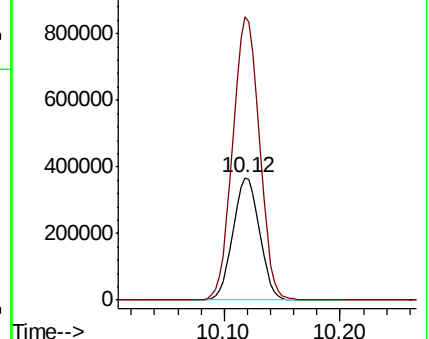
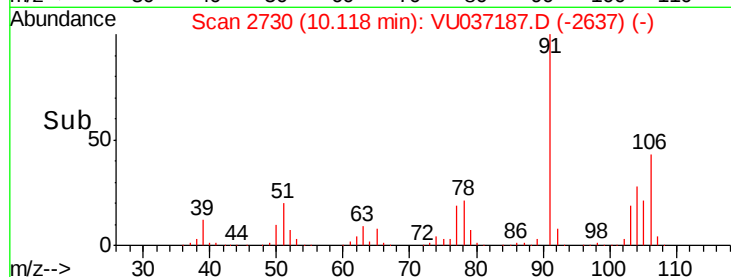
106 100

91 231.0 167.6 311.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 107.032 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU037187.D

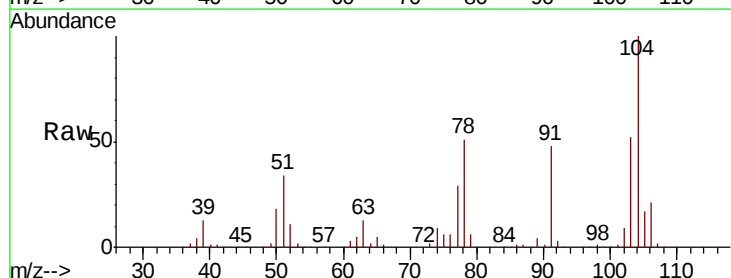
Acq: 12 Mar 2020 13:48

Tgt Ion:104 Resp: 1007624

Ion Ratio Lower Upper

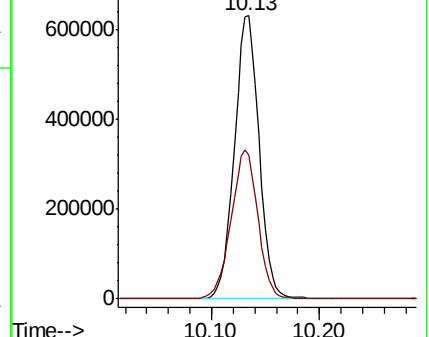
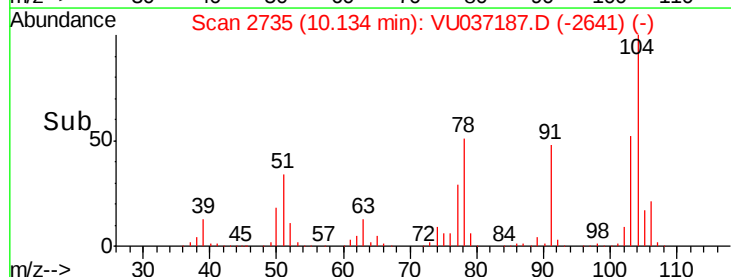
104 100

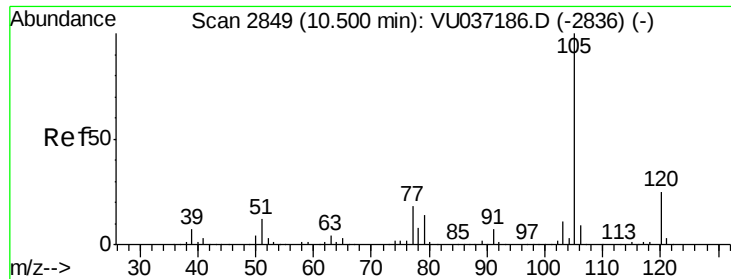
78 50.8 37.4 69.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 104.369 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

Instrument :

MSVOA_U

ClientSampled :

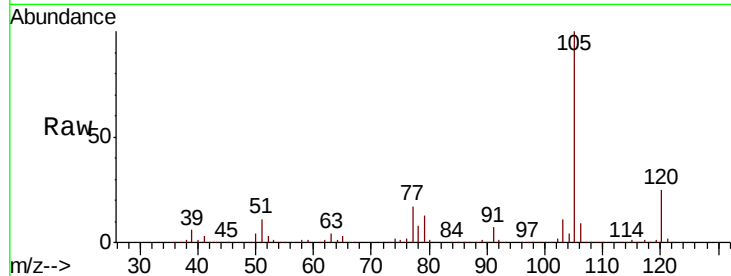
Tot Ion:105 Resp: 1610402

Ion Ratio Lower Upper

105 100

120 25.0 19.9 29.9

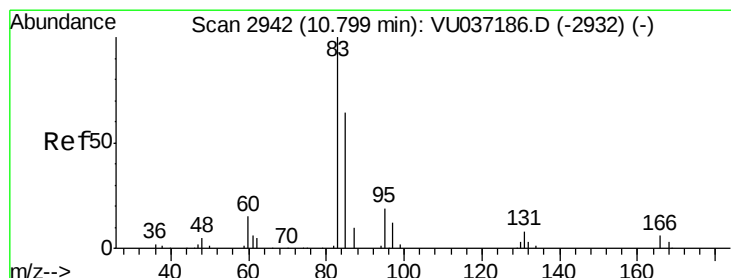
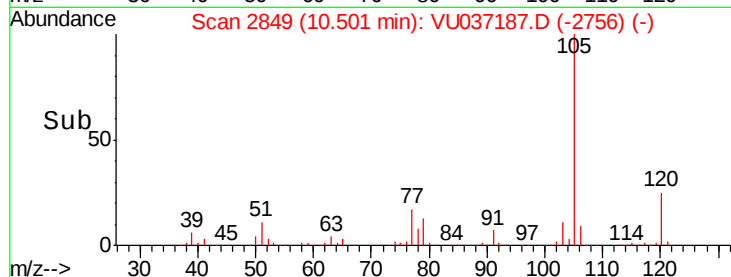
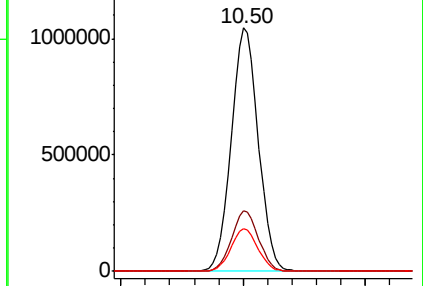
77 17.5 14.1 21.1



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: 101.717 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

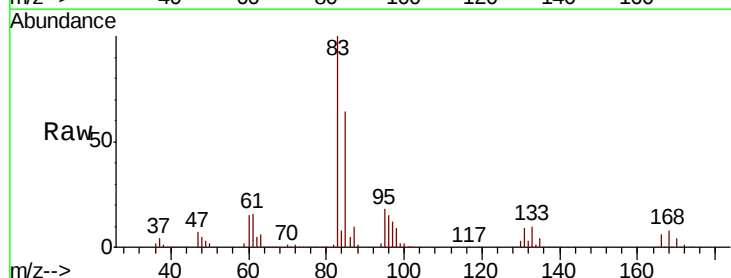
Tgt Ion: 83 Resp: 603738

Ion Ratio Lower Upper

83 100

85 64.3 45.8 85.2

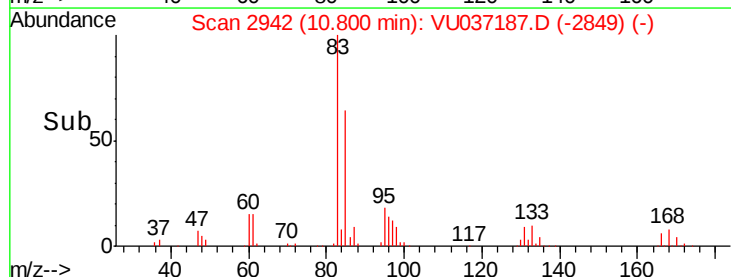
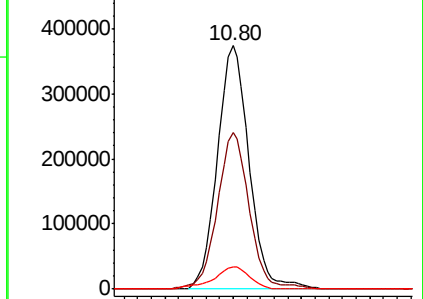
131 9.3 7.7 11.5

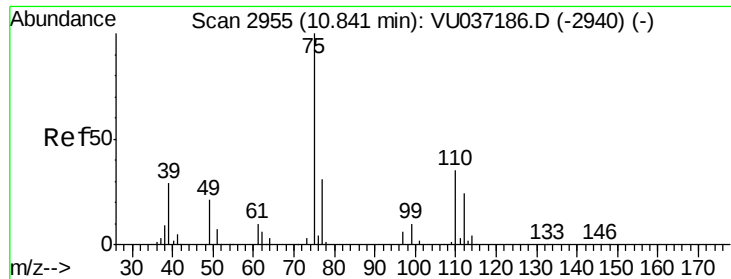


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 100.993 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

Instrument :

MSVOA_U

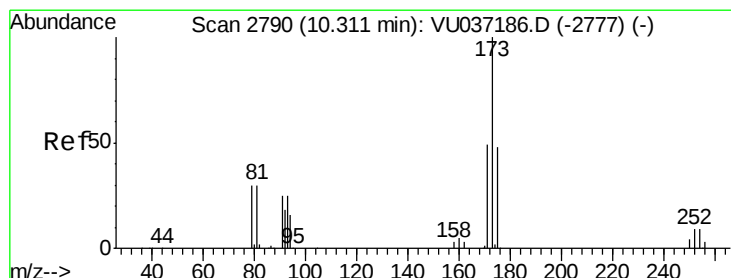
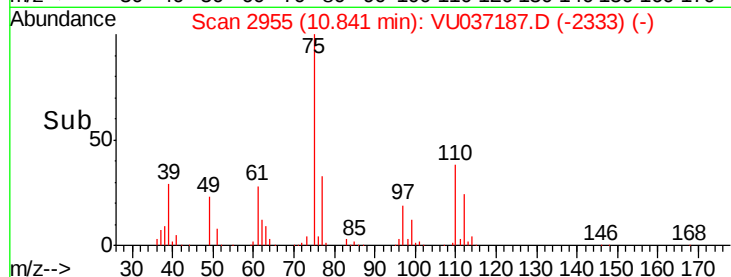
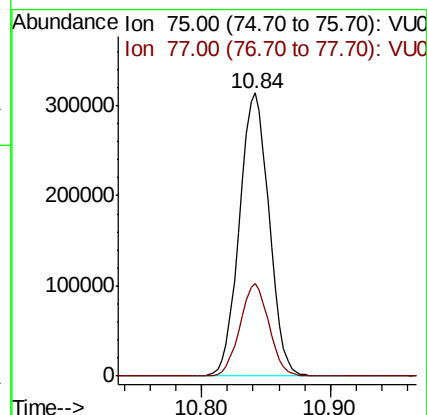
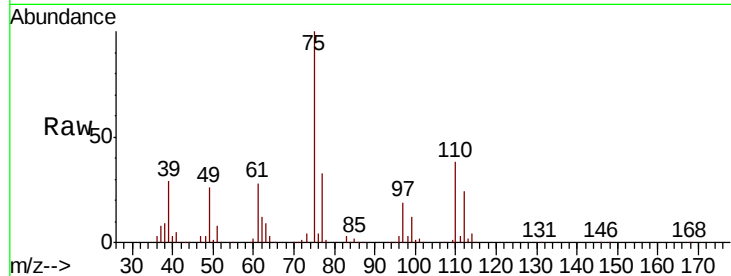
ClientSampleId :

Tot Ion: 75 Resp: 501355

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.6



#61

Bromoform

Concen: 99.644 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

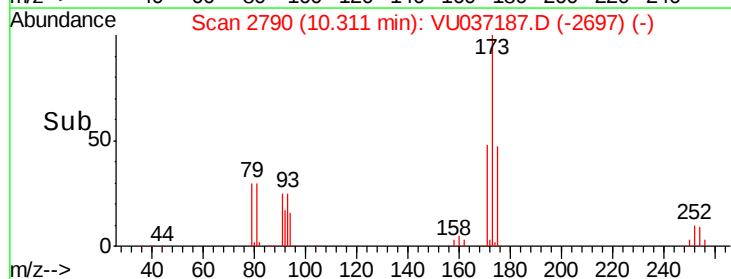
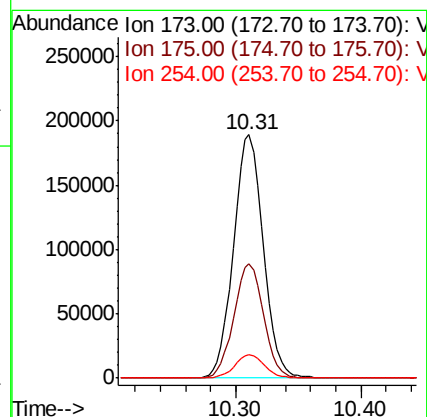
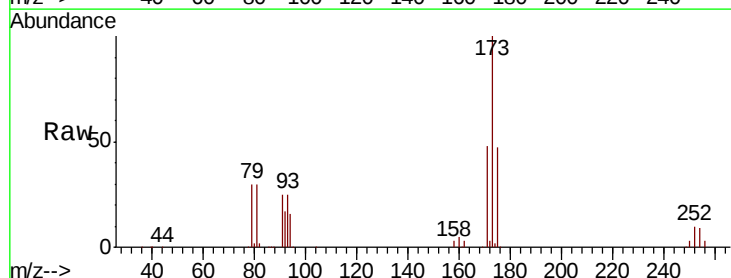
Tgt Ion: 173 Resp: 311227

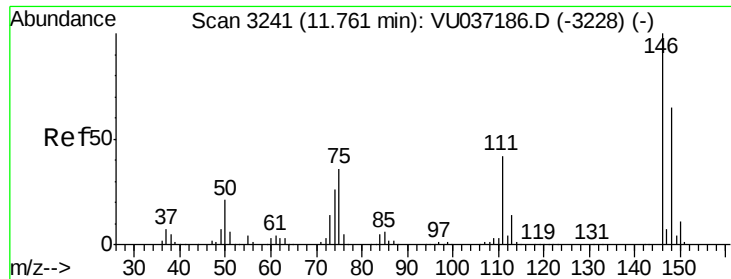
Ion Ratio Lower Upper

173 100

175 47.0 38.3 57.5

254 9.6 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 99.926 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

Instrument :

MSVOA_U

ClientSampleId :

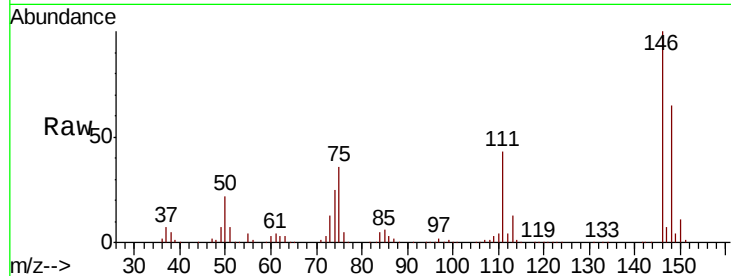
Tot Ion:146 Resp: 708273

Ion Ratio Lower Upper

146 100

111 43.2 29.2 54.2

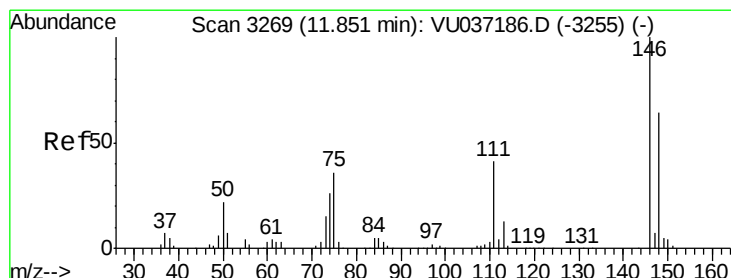
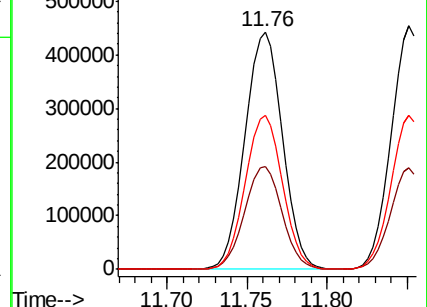
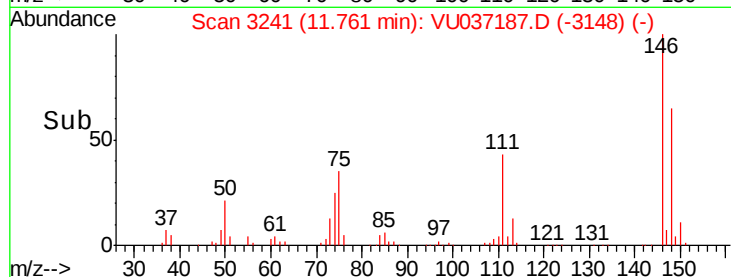
148 64.9 45.8 85.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 99.045 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

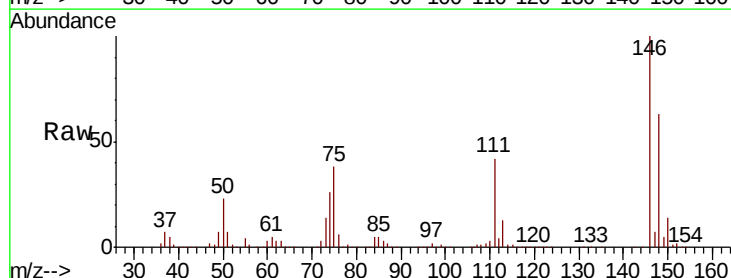
Tgt Ion:146 Resp: 709536

Ion Ratio Lower Upper

146 100

111 41.7 28.5 52.9

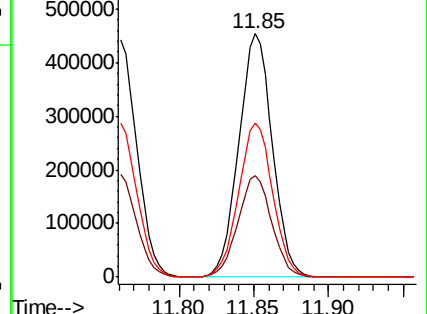
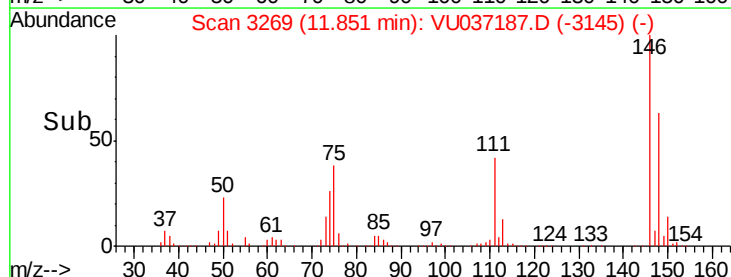
148 63.3 44.8 83.2

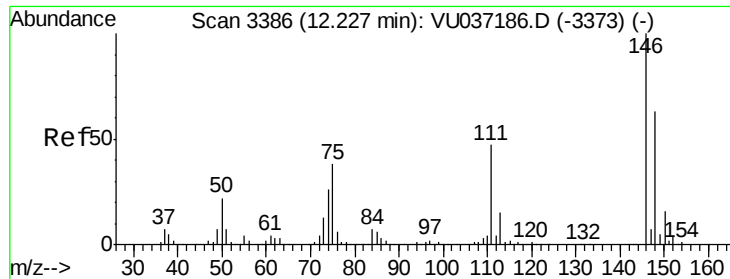


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 98.207 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

Instrument :

MSVOA_U

ClientSampled :

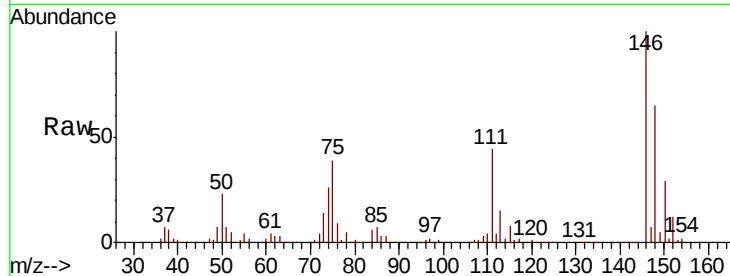
Tot Ion:146 Resp: 710963

Ion Ratio Lower Upper

146 100

111 44.3 37.4 56.2

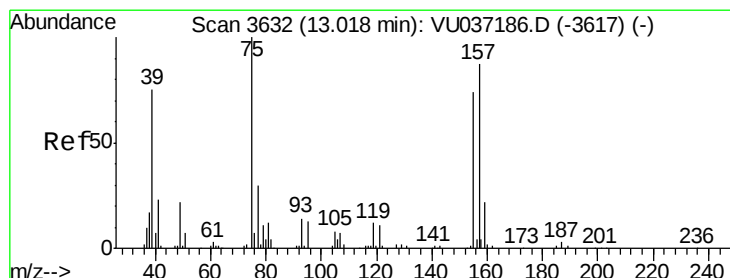
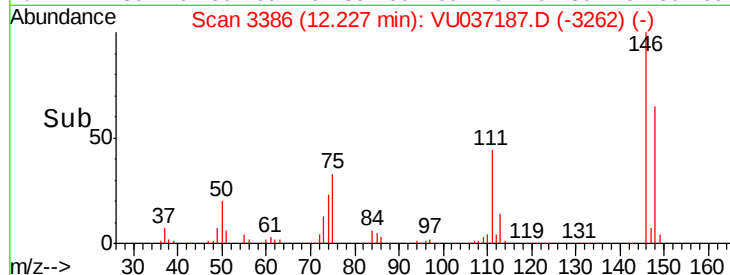
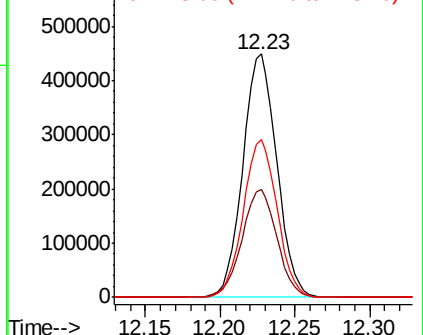
148 65.0 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 100.832 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

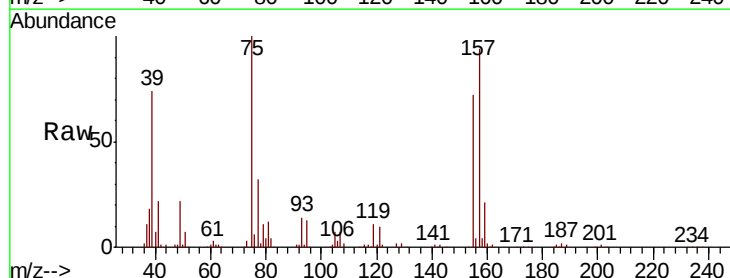
Tgt Ion: 75 Resp: 160934

Ion Ratio Lower Upper

75 100

155 71.7 59.0 88.4

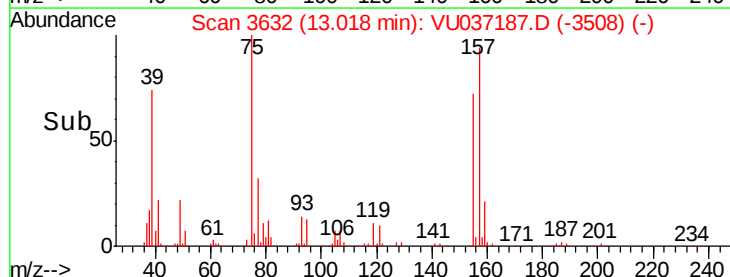
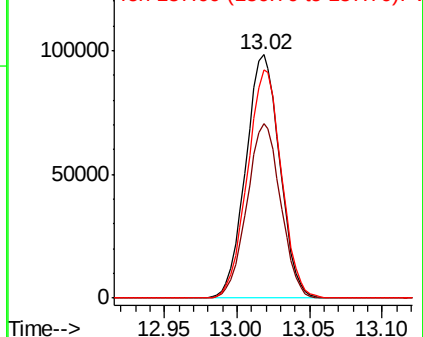
157 93.8 69.9 104.9

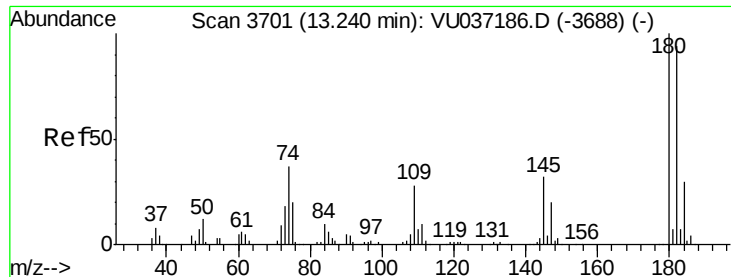


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

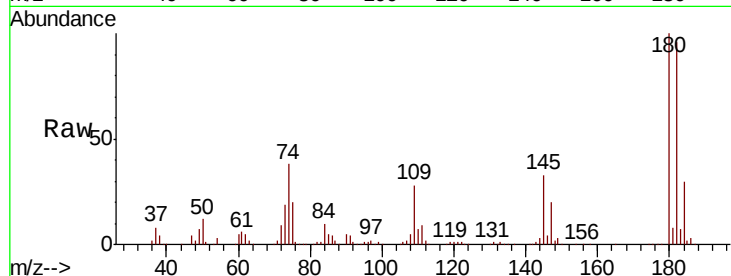




#67
 1,3,5-Trichlorobenzene
 Concen: 102.052 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037187.D
 Acq: 12 Mar 2020 13:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.8	113.8
184	30.1	24.5	36.7
145	32.2	25.9	38.9



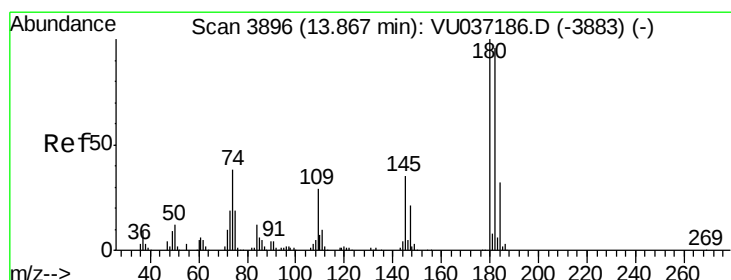
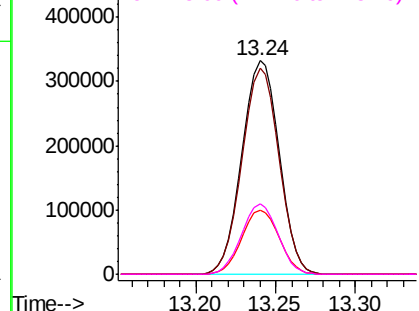
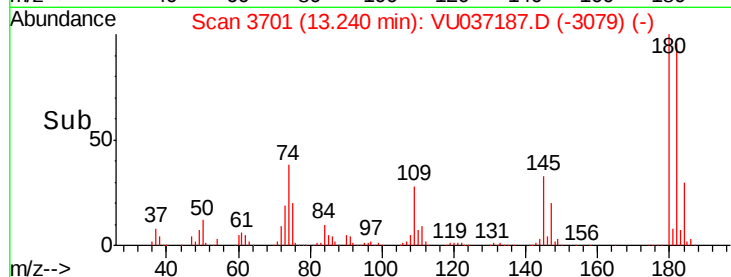
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

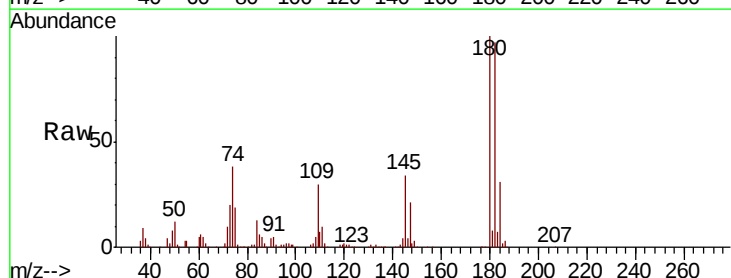
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 111.670 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037187.D
 Acq: 12 Mar 2020 13:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.9	113.9
145	33.0	26.7	40.1

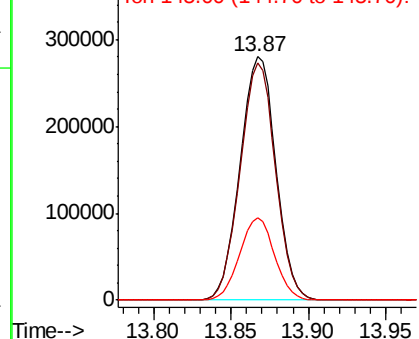
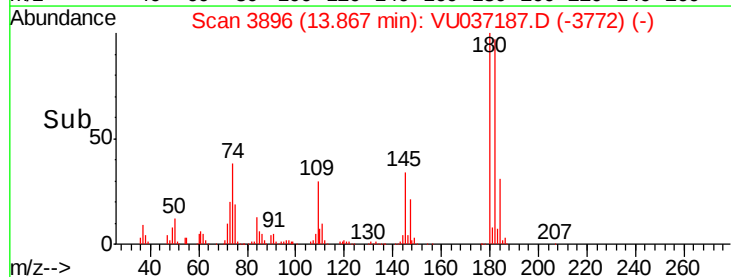


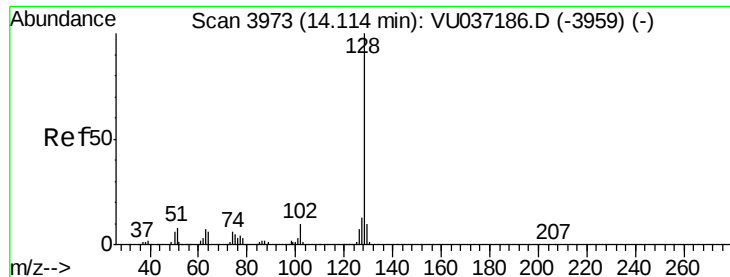
Abundance

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: 121.024 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

Instrument :

MSVOA_U

ClientSampleId :

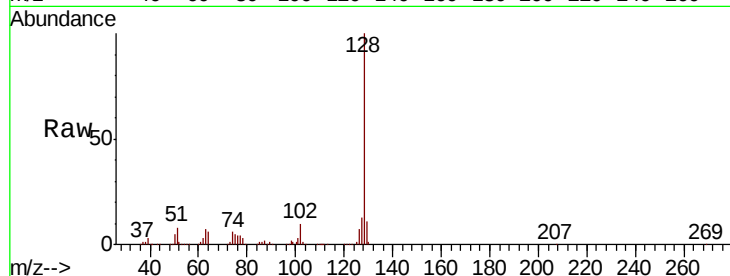
Tot Ion:128 Resp: 740323

Ion Ratio Lower Upper

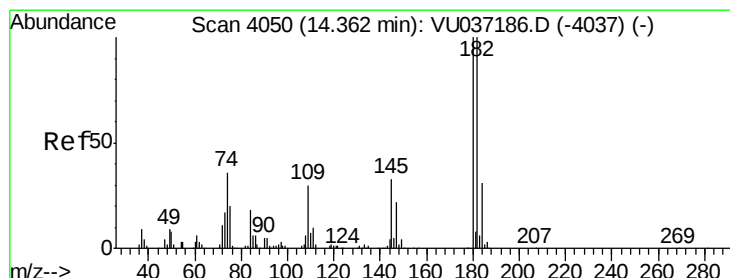
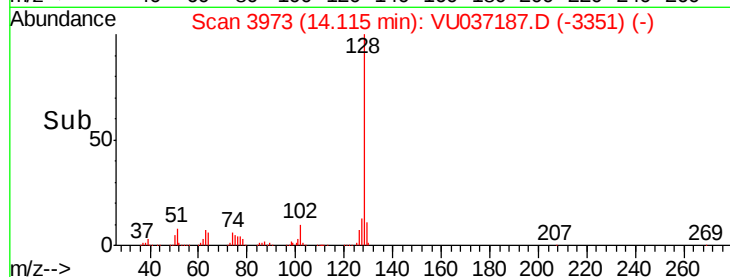
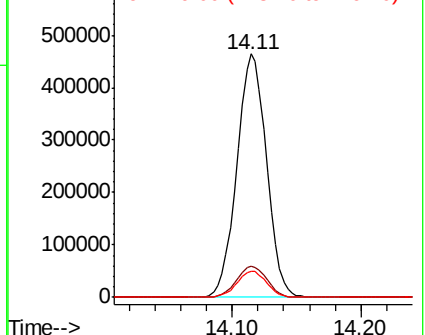
128 100

127 13.1 10.2 15.4

129 10.7 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: 110.519 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU037187.D

Acq: 12 Mar 2020 13:48

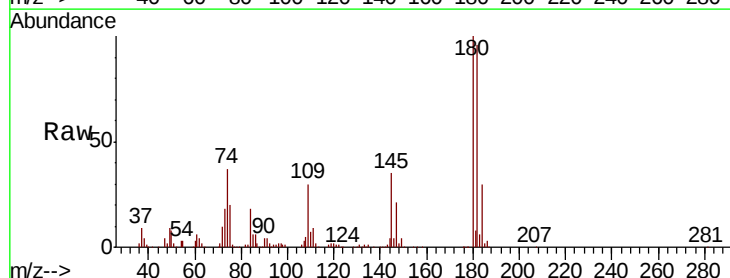
Tgt Ion:180 Resp: 467811

Ion Ratio Lower Upper

180 100

182 94.5 77.8 116.6

145 34.4 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

