

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
 Data File : VU037188.D
 Acq On : 12 Mar 2020 14:11
 Operator : JC/MD
 Sample : VSTD20031
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 13 06:56:51 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	449637	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	454756	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	245100	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	707436	203.29	ug/L	0.00
7) Chloroethane-d5	1.92	69	559528	199.44	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.59	63	1292247	202.40	ug/L	0.00
21) 2-Butanone-d5	4.67	46	1195674	434.17	ug/L	0.00
24) Chloroform-d	5.10	84	1362609	203.66	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	972060	198.49	ug/L	0.00
32) Benzene-d6	5.76	84	2442285	195.10	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	807339	197.02	ug/L	0.00
41) Toluene-d8	7.92	98	2424304	202.58	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	471389	211.34	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	961170	453.04	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	1308243	206.11	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	986709	194.08	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	889987	193.688	ug/L	99
3) Chloromethane	1.54	50	740559	197.063	ug/L	99
5) Vinyl chloride	1.62	62	820581	199.255	ug/L	100
6) Bromomethane	1.85	94	393497	248.920	ug/L	96
8) Chloroethane	1.94	64	462481	191.688	ug/L	100
9) Trichlorofluoromethane	2.15	101	1200665	190.949	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	565670	192.624	ug/L	99
12) 1,1-Dichloroethene	2.60	96	514495	193.889	ug/L	98
13) Acetone	2.65	43	1023472	391.706	ug/L	99
14) Carbon disulfide	2.82	76	1460230	194.096	ug/L	100
15) Methyl Acetate	2.98	43	829092	201.745	ug/L	99
16) Methylene chloride	3.08	84	620962	187.482	ug/L	99
17) trans-1,2-Dichloroethene	3.38	96	553382	199.049	ug/L	96
18) Methyl tert-butyl Ether	3.40	73	2184016	203.426	ug/L	99
19) 1,1-Dichloroethane	3.91	63	1208159	194.212	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	660750	196.492	ug/L	97
22) 2-Butanone	4.75	43	1382637	418.387	ug/L	100
23) Bromochloromethane	5.02	128	322576	190.223	ug/L	97
25) Chloroform	5.13	83	1277056	189.844	ug/L	99
27) 1,2-Dichloroethane	5.83	62	1154065	192.546	ug/L	99
29) Cyclohexane	5.42	56	1074043	199.780	ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	1148180	190.217	ug/L	100
31) Carbon tetrachloride	5.56	117	1029582	193.048	ug/L	100
33) Benzene	5.81	78	2555231	190.631	ug/L	100
34) Trichloroethene	6.57	95	677147	194.409	ug/L	99
35) Methylcyclohexane	6.79	83	1060459	201.098	ug/L	99
37) 1,2-Dichloropropane	6.82	63	723643	189.928	ug/L	99
38) Bromodichloromethane	7.13	83	1019647	191.421	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	1227869	207.841	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	2605553	420.088	ug/L	100

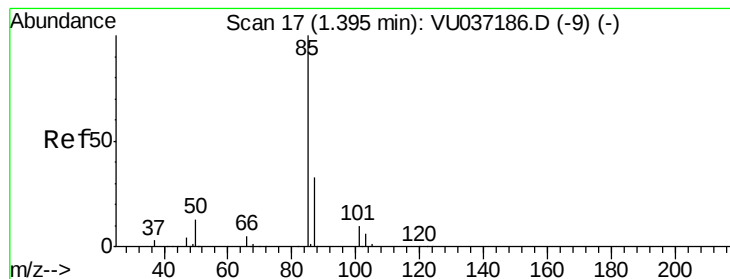
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
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 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 06:53:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	2859457	195.352	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	1161564	208.243	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	666485	192.113	ug/L	99
46) Tetrachloroethene	8.57	164	503179	194.451	ug/L	99
48) 2-Hexanone	8.71	43	2164325	442.805	ug/L	99
49) Dibromochloromethane	8.83	129	826593	202.524	ug/L	98
50) 1,2-Dibromoethane	8.95	107	742591	198.348	ug/L	99
51) Chlorobenzene	9.47	112	1820456	197.759	ug/L	98
52) Ethylbenzene	9.59	91	3431697	202.473	ug/L	100
53) m,p-Xylene	9.71	106	1234119	205.865	ug/L	100
54) o-xylene	10.12	106	1219116	205.838	ug/L	96
55) Styrene	10.13	104	2138164	212.880	ug/L	98
56) Isopropylbenzene	10.50	105	3430157	208.366	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	1284898	202.904	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	1068356	201.714	ug/L	99
61) Bromoform	10.31	173	663382	193.783	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	1529578	196.891	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	1529201	194.760	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	1508160	190.074	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	357807	204.540	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	1149396	203.017	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	1021034	230.955	ug/L	99
69) Naphthalene	14.11	128	1692616	252.456	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	1018282	219.489	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 193.688 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037188.D

Acq: 12 Mar 2020 14:11

Instrument :

MSVOA_U

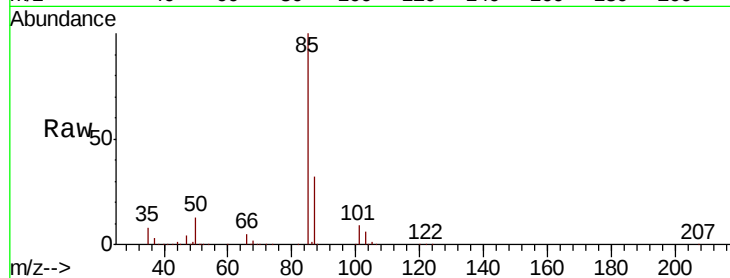
ClientSampled :

Tot Ion: 85 Resp: 889987

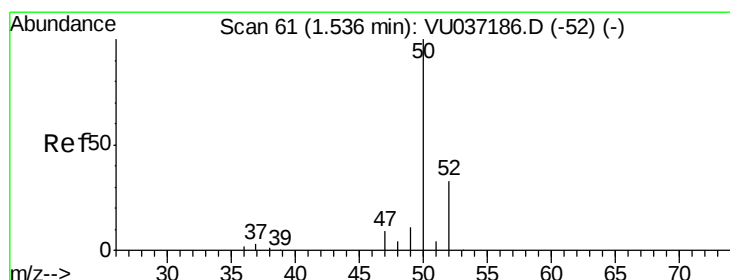
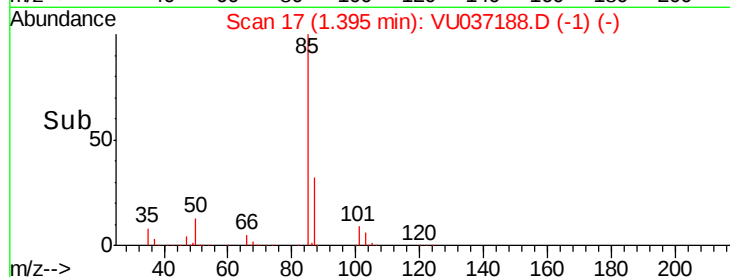
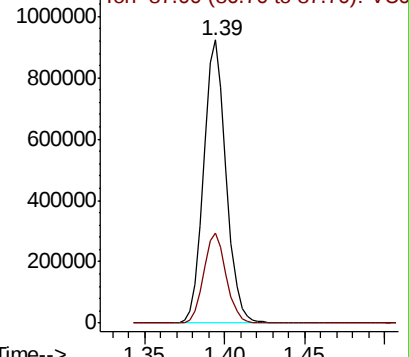
Ion Ratio Lower Upper

85 100

87 31.9 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU037188.D (-9) (-)



#3

Chloromethane

Concen: 197.063 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037188.D

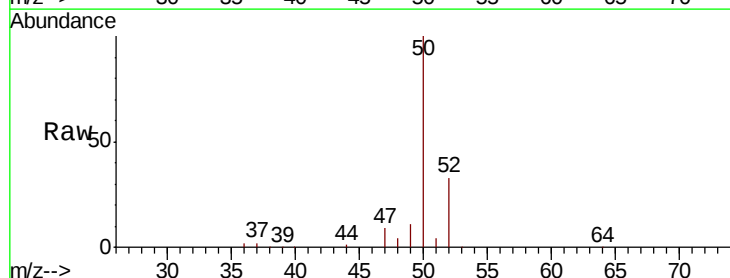
Acq: 12 Mar 2020 14:11

Tgt Ion: 50 Resp: 740559

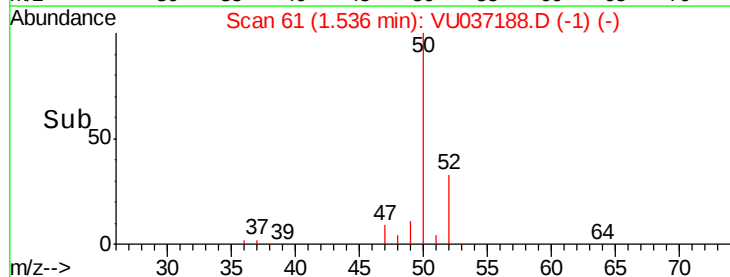
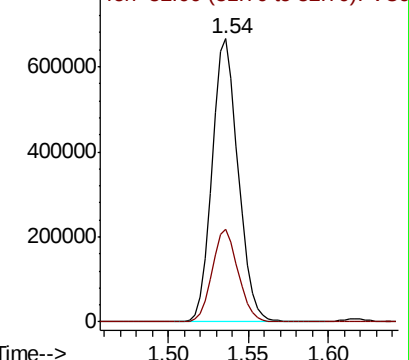
Ion Ratio Lower Upper

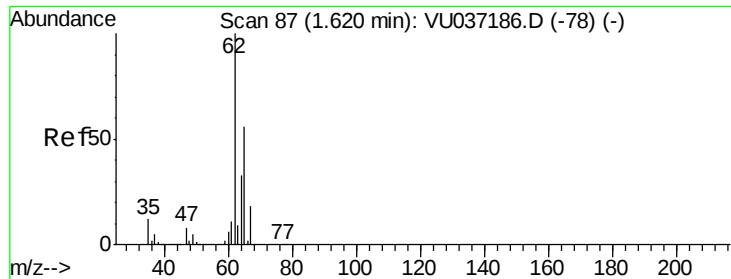
50 100

52 32.6 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU037188.D (-52) (-)





#5

Vinyl chloride

Concen: 199.255 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037188.D

Acq: 12 Mar 2020 14:11

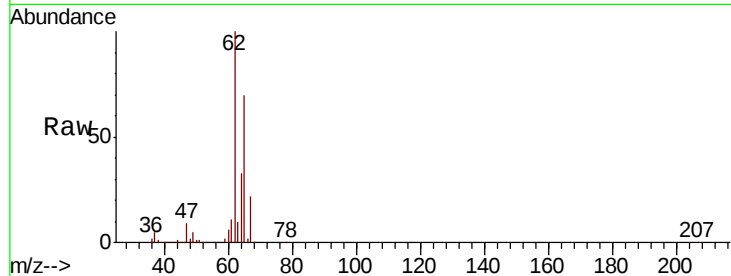
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 820581

Ion Ratio Lower Upper

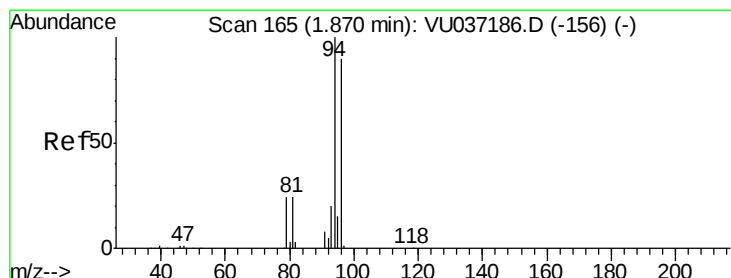
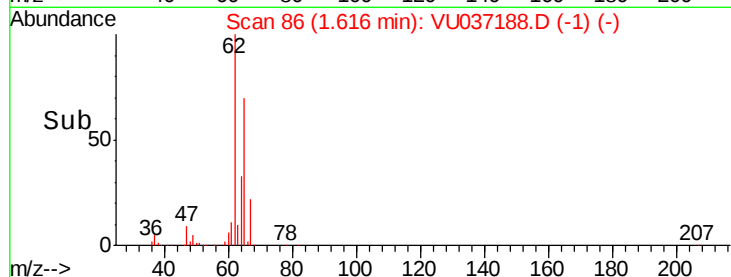
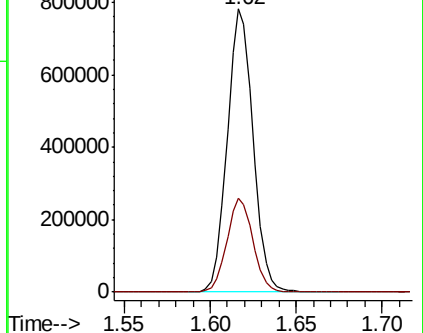
62 100

64 33.2 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU037188.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU037188.D (-78) (-)



#6

Bromomethane

Concen: 248.920 ug/L

RT: 1.85 min Scan# 160

Delta R.T. -0.02 min

Lab File: VU037188.D

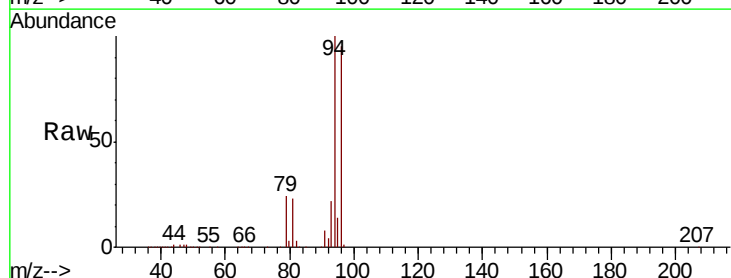
Acq: 12 Mar 2020 14:11

Tgt Ion: 94 Resp: 393497

Ion Ratio Lower Upper

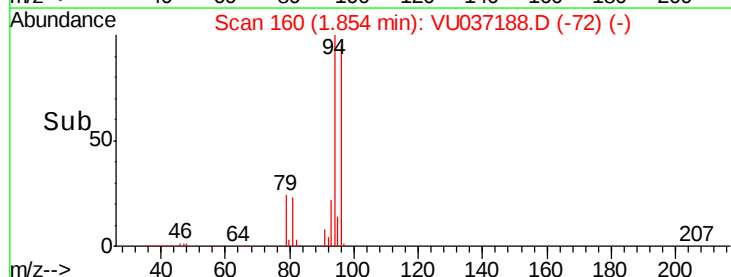
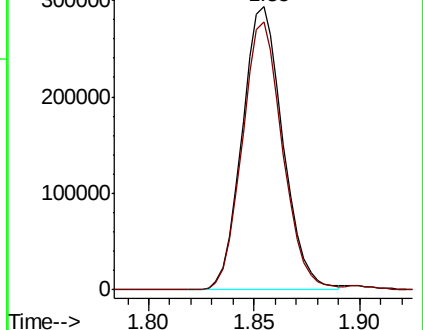
94 100

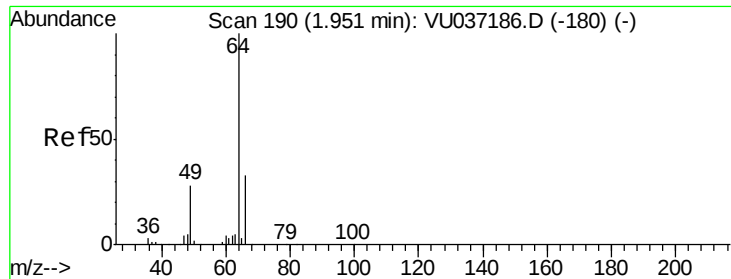
96 94.7 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU037188.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU037188.D (-156) (-)

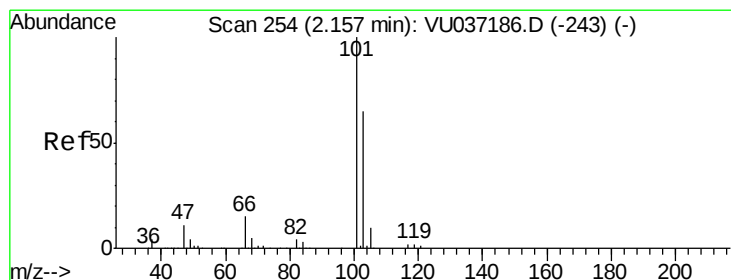
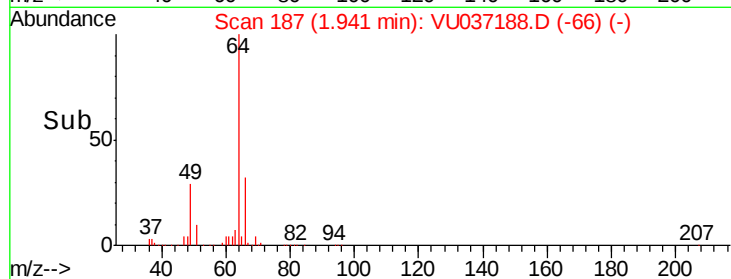
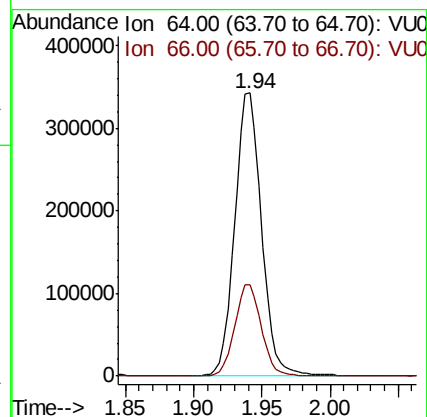
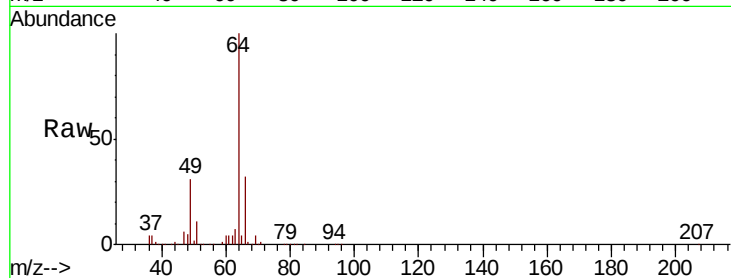




#8
Chloroethane
Concen: 191.688 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.01 min
Lab File: VU037188.D
Acq: 12 Mar 2020 14:11

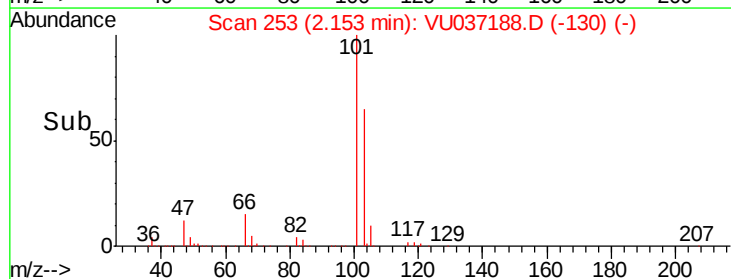
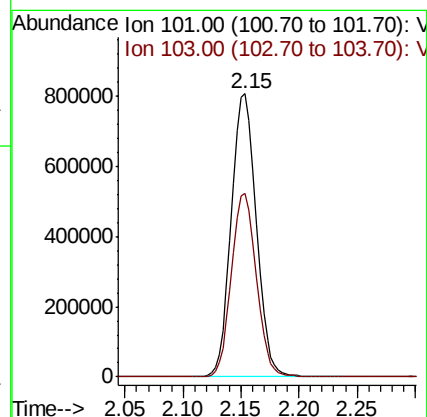
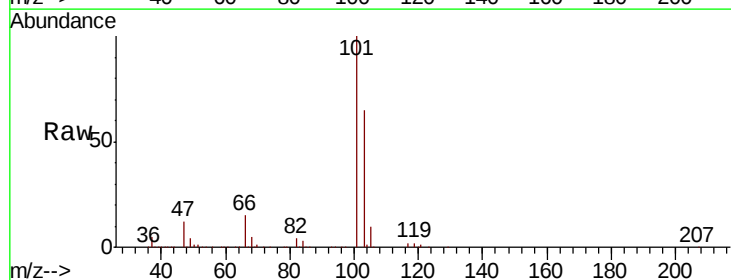
Instrument :
MSVOA_U
ClientSampleId :

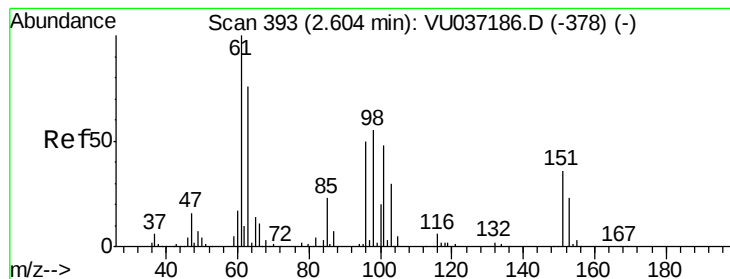
Tot Ion: 64 Resp: 462481
Ion Ratio Lower Upper
64 100
66 32.2 22.6 42.0



#9
Trichlorofluoromethane
Concen: 190.949 ug/L
RT: 2.15 min Scan# 253
Delta R.T. -0.00 min
Lab File: VU037188.D
Acq: 12 Mar 2020 14:11

Tgt Ion:101 Resp: 1200665
Ion Ratio Lower Upper
101 100
103 64.7 51.1 76.7





#10

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

Concen: 192.624 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037188.D

Acq: 12 Mar 2020 14:11

Instrument :

MSVOA_U

ClientSampleId :

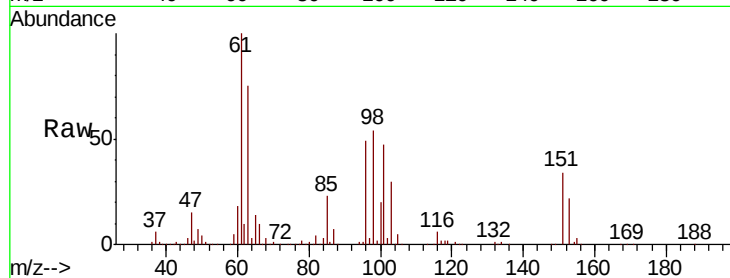
Tot Ion:101 Resp: 565670

Ion Ratio Lower Upper

101 100

85 48.7 37.8 56.6

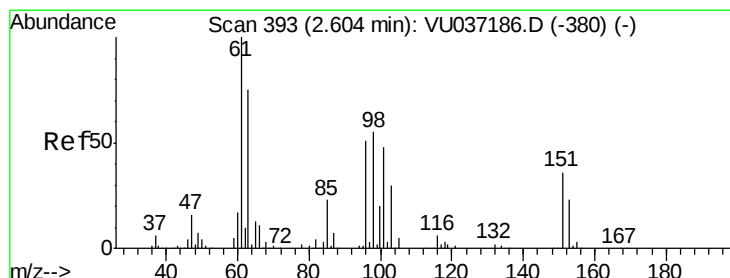
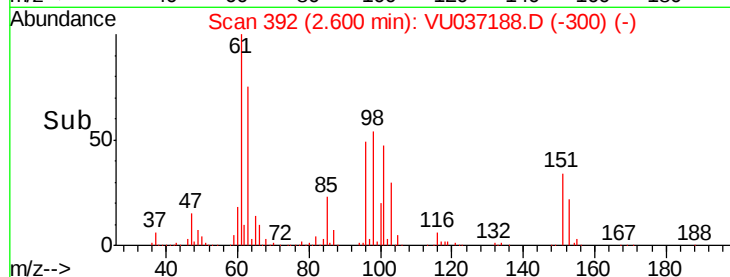
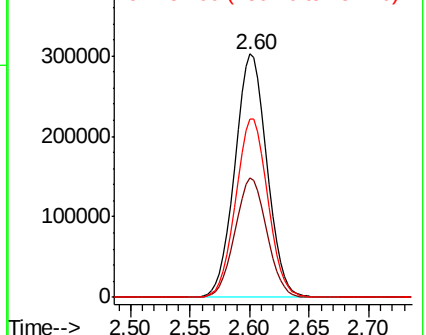
151 73.5 58.5 87.7



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: 193.889 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037188.D

Acq: 12 Mar 2020 14:11

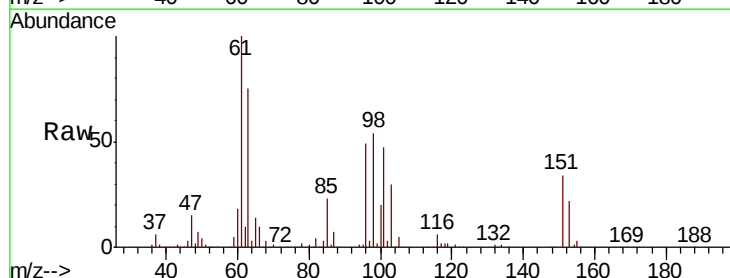
Tgt Ion: 96 Resp: 514495

Ion Ratio Lower Upper

96 100

61 204.1 138.8 257.8

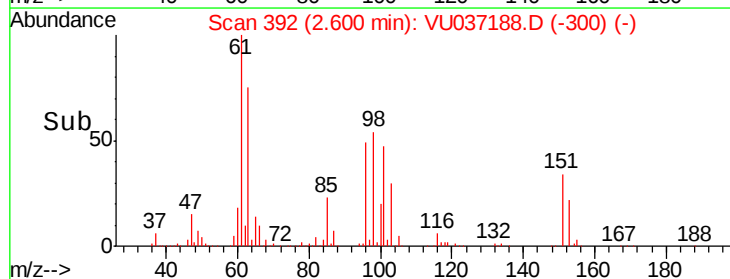
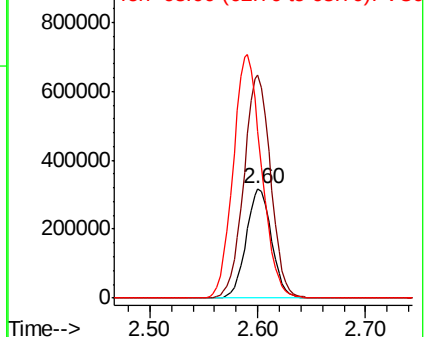
63 152.4 106.4 197.6

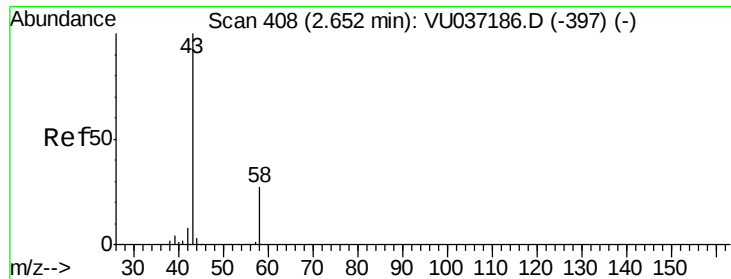


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

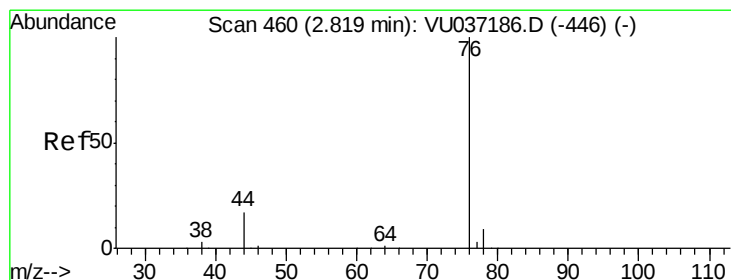
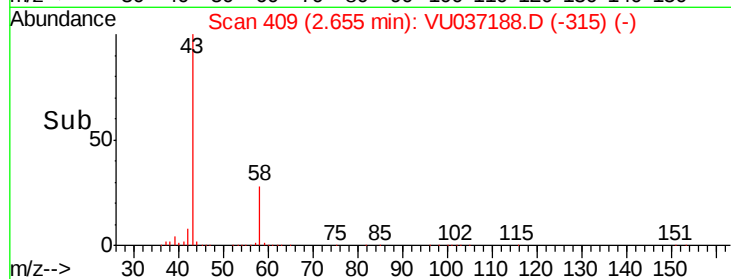
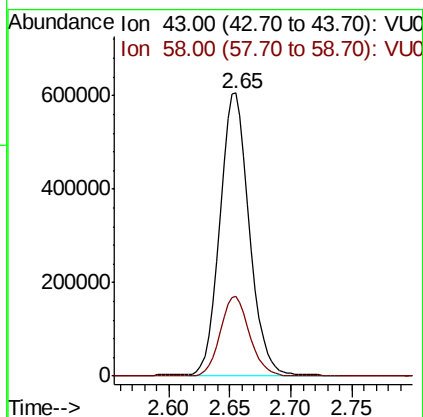
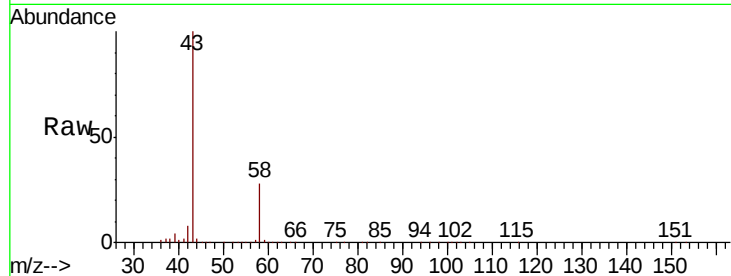




#13
Acetone
Concen: 391.706 ug/L
RT: 2.65 min Scan# 409
Delta R.T. 0.00 min
Lab File: VU037188.D
Acq: 12 Mar 2020 14:11

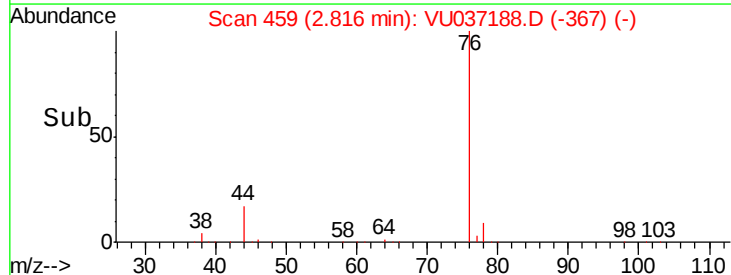
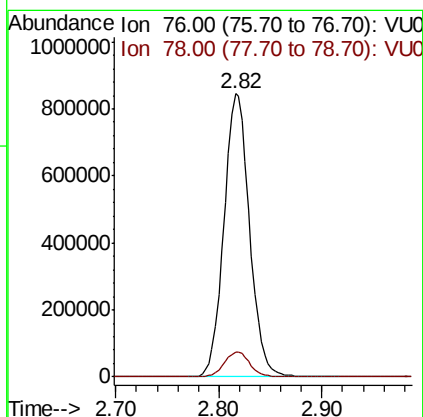
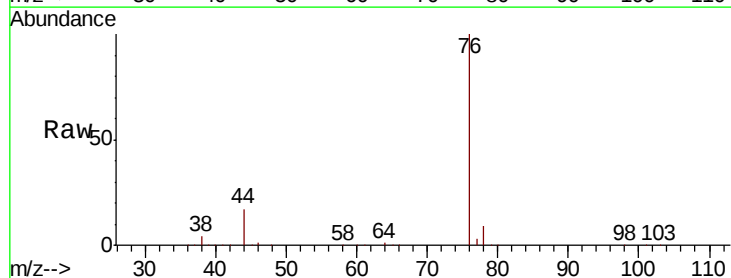
Instrument :
MSVOA_U
ClientSampleId :

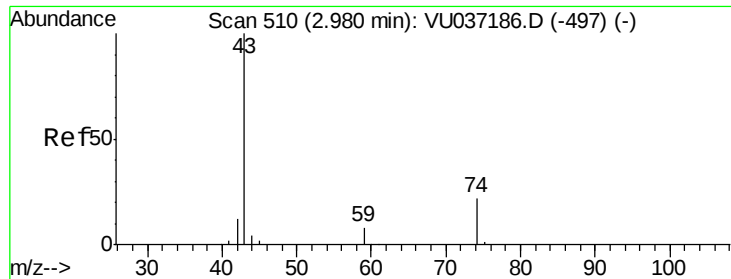
Tot Ion: 43 Resp: 1023472
Ion Ratio Lower Upper
43 100
58 28.3 0.0 57.2



#14
Carbon disulfide
Concen: 194.096 ug/L
RT: 2.82 min Scan# 459
Delta R.T. -0.00 min
Lab File: VU037188.D
Acq: 12 Mar 2020 14:11

Tgt Ion: 76 Resp: 1460230
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6

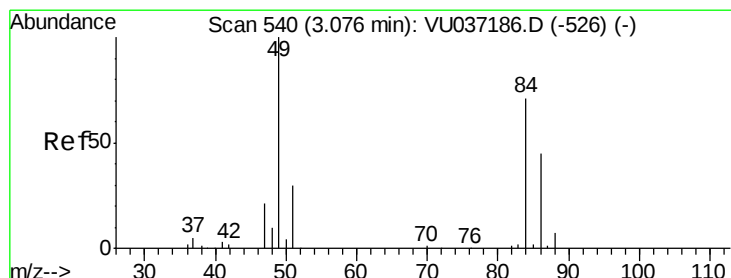
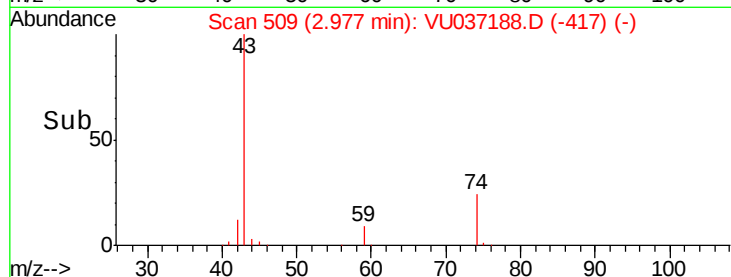
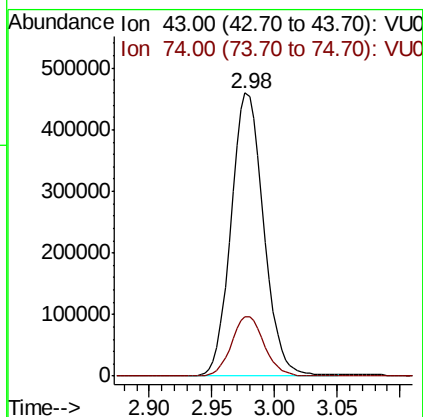
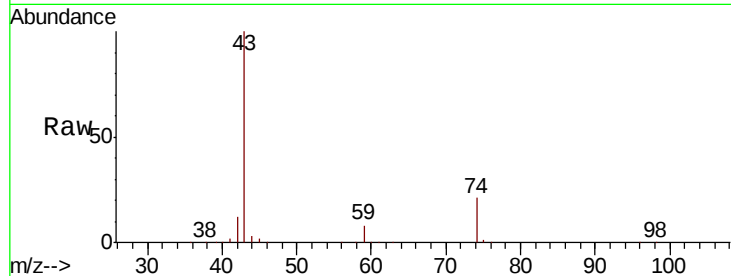




#15
Methvl Acetate
Concen: 201.745 ug/L
RT: 2.98 min Scan# 509
Delta R.T. -0.00 min
Lab File: VU037188.D
Acq: 12 Mar 2020 14:11

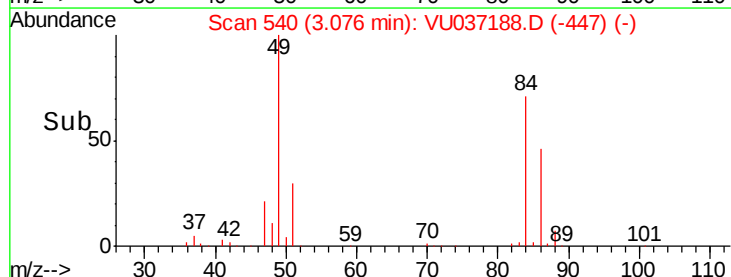
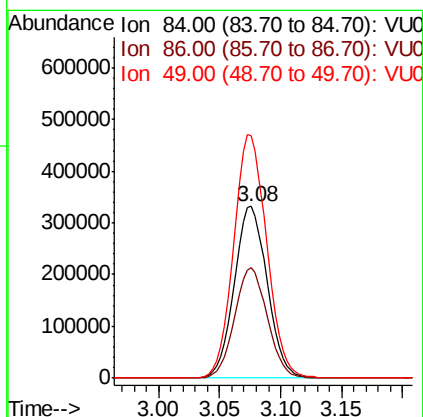
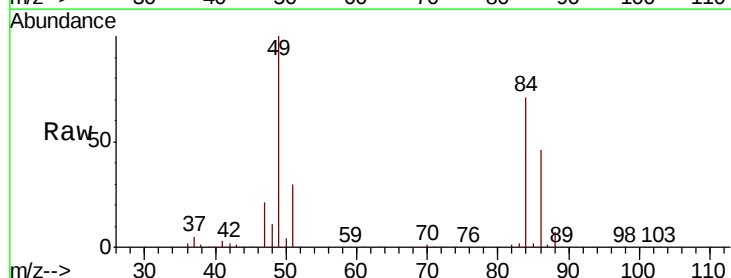
Instrument :
MSVOA_U
ClientSampled :

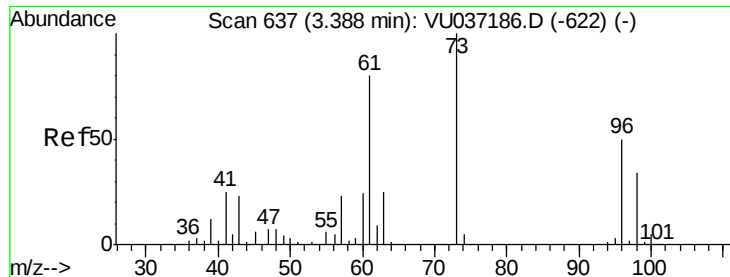
Tot Ion: 43 Resp: 829092
Ion Ratio Lower Upper
43 100
74 21.2 17.4 26.0



#16
Methylene chloride
Concen: 187.482 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037188.D
Acq: 12 Mar 2020 14:11

Tgt Ion: 84 Resp: 620962
Ion Ratio Lower Upper
84 100
86 64.6 44.0 81.6
49 141.4 98.6 183.2





#17

trans-1,2-Dichloroethene

Concen: 199.049 ug/L

RT: 3.38 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU037188.D

Acq: 12 Mar 2020 14:11

Instrument :
MSVOA_U
ClientSampleId :

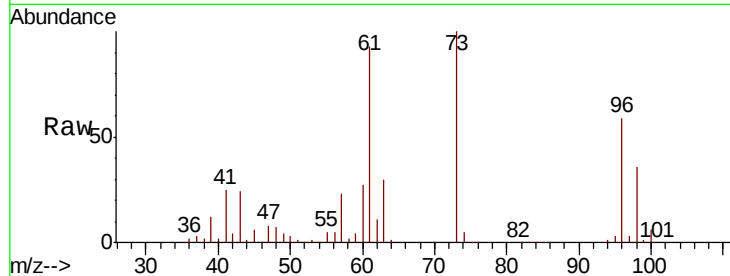
Tot Ion: 96 Resp: 553382

Ion Ratio Lower Upper

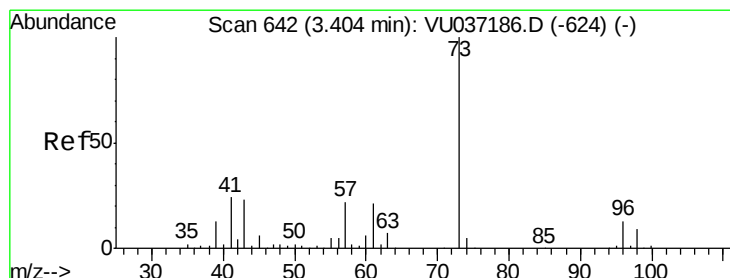
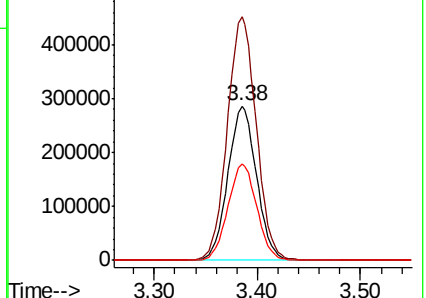
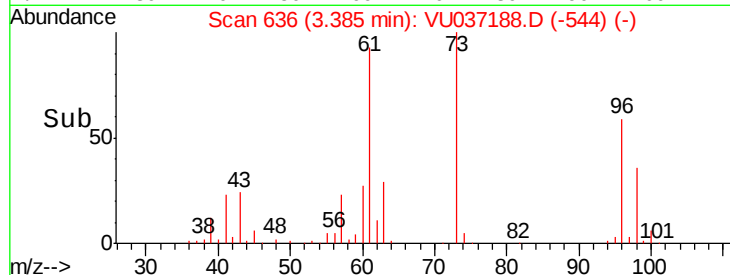
96 100

61 158.0 112.3 208.5

98 62.3 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: 203.426 ug/L

RT: 3.40 min Scan# 641

Delta R.T. -0.00 min

Lab File: VU037188.D

Acq: 12 Mar 2020 14:11

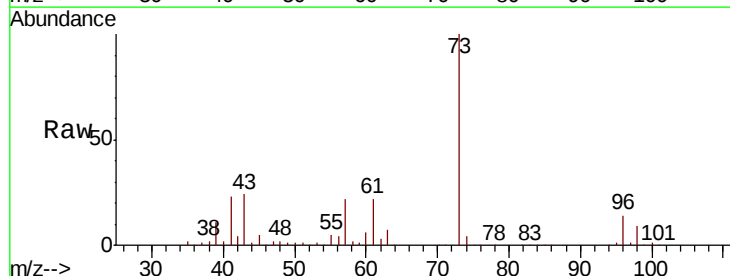
Tgt Ion: 73 Resp: 2184016

Ion Ratio Lower Upper

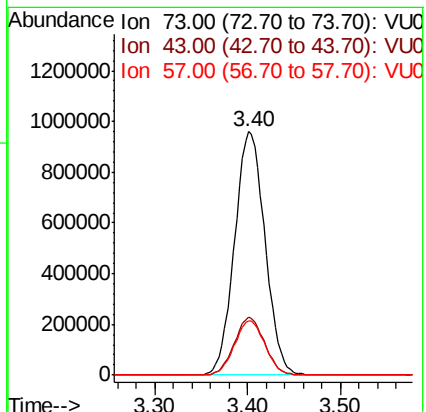
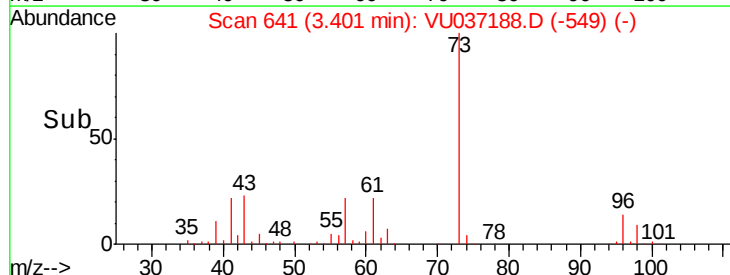
73 100

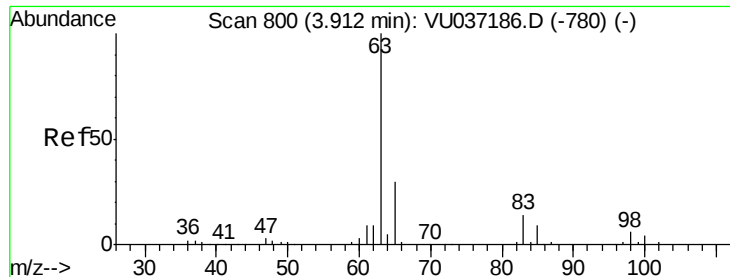
43 23.6 18.5 27.7

57 22.4 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: 194.212 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037188.D

Acq: 12 Mar 2020 14:11

Instrument :

MSVOA_U

ClientSampleId :

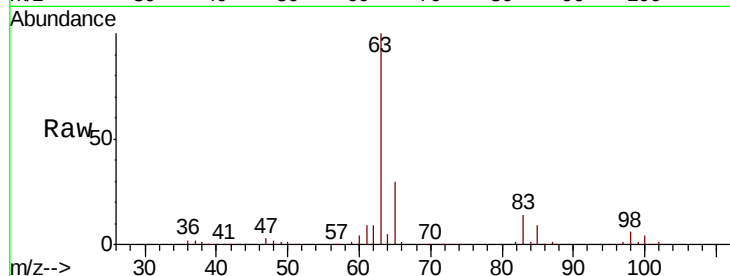
Tot Ion: 63 Resp: 1208159

Ion Ratio Lower Upper

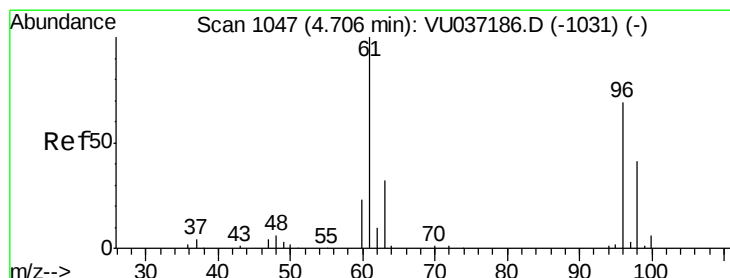
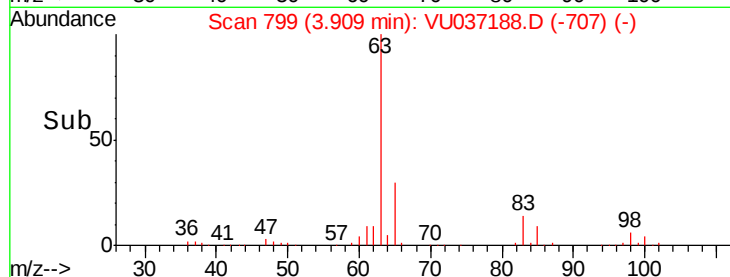
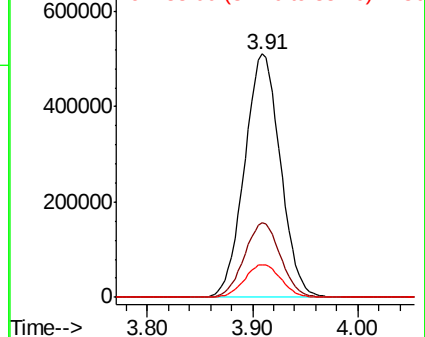
63 100

65 30.4 20.8 38.6

83 13.5 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: 196.492 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037188.D

Acq: 12 Mar 2020 14:11

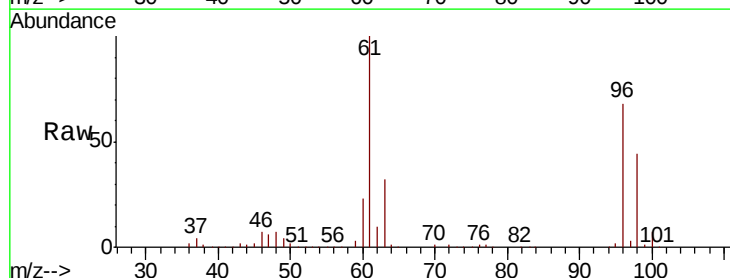
Tgt Ion: 96 Resp: 660750

Ion Ratio Lower Upper

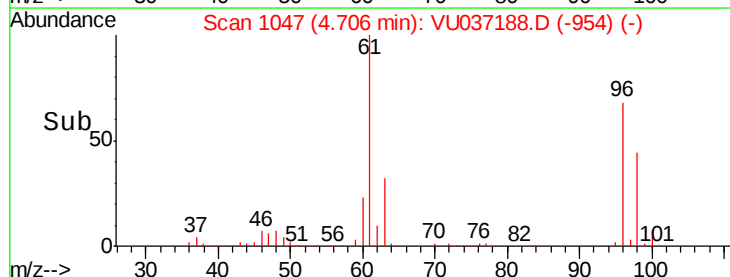
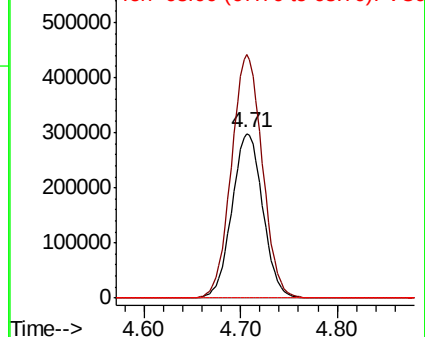
96 100

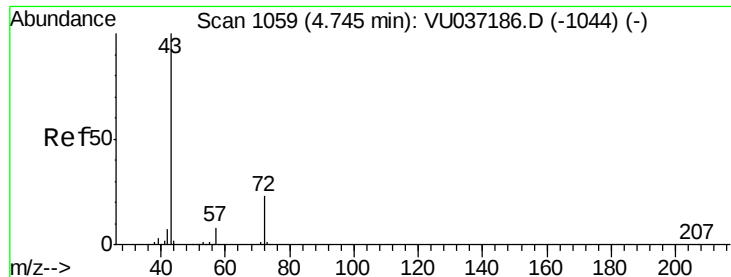
61 147.8 101.2 187.8

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: 418.387 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU037188.D

Acq: 12 Mar 2020 14:11

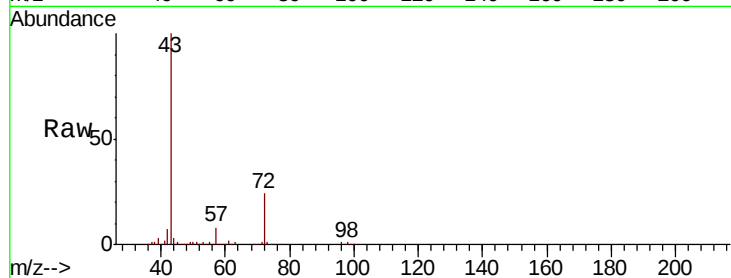
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1382637

Ion Ratio Lower Upper

43 100

72 24.4 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VU037188.D (-1044) (-)

Ion 72.00 (71.70 to 72.70): VU037188.D (-1044) (-)

4.75

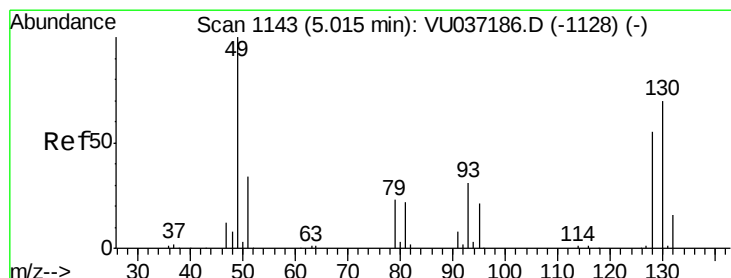
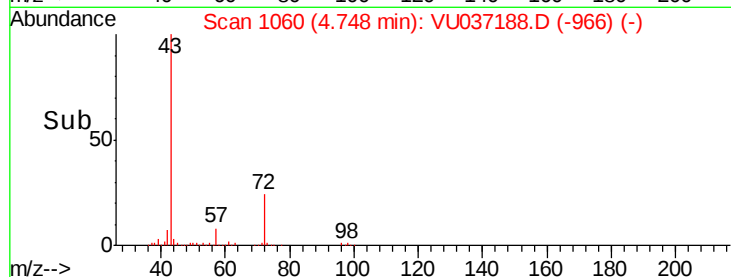
600000

400000

200000

0

Time-->



#23

Bromochloromethane

Concen: 190.223 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037188.D

Acq: 12 Mar 2020 14:11

Tgt Ion:128 Resp: 322576

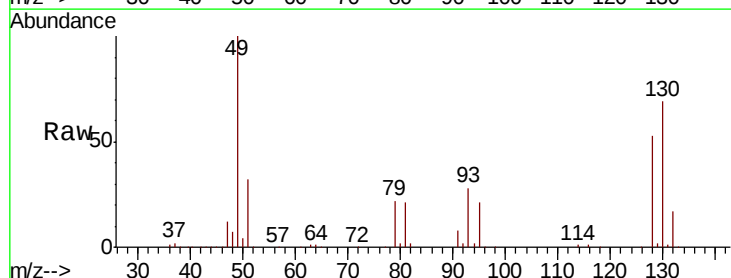
Ion Ratio Lower Upper

128 100

49 188.4 128.4 238.5

130 130.4 90.6 168.2

51 59.4 50.0 75.0



Abundance Ion 128.00 (127.70 to 128.70): VU037188.D (-1128) (-)

Ion 49.00 (48.70 to 49.70): VU037188.D (-1128) (-)

Ion 130.00 (129.70 to 130.70): VU037188.D (-1128) (-)

Ion 51.00 (50.70 to 51.70): VU037188.D (-1128) (-)

400000

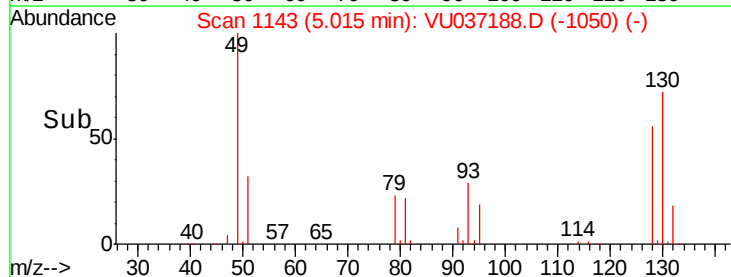
300000

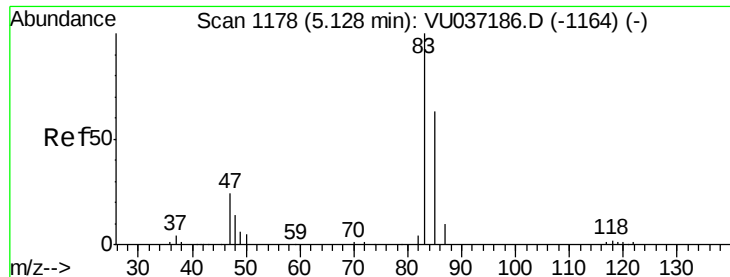
200000

100000

0

Time-->

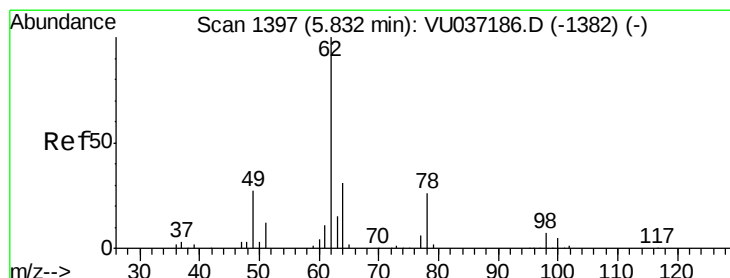
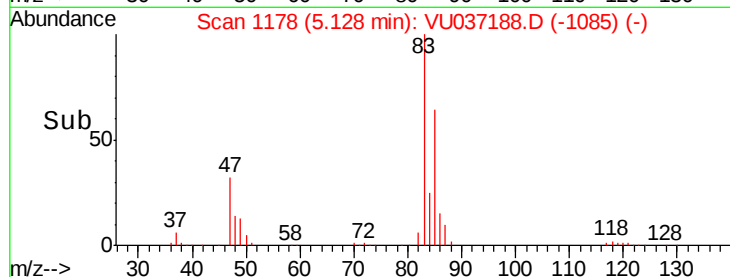
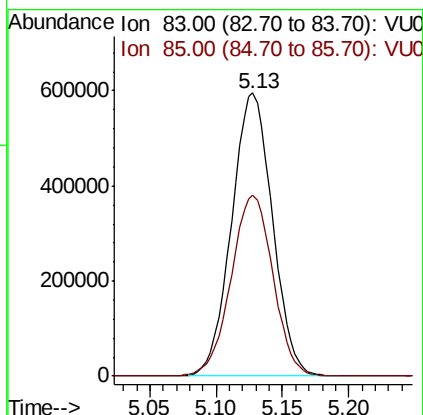
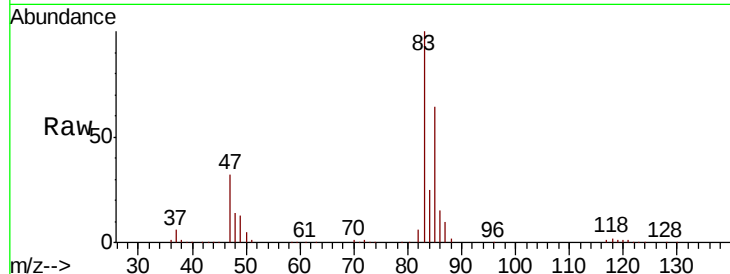




#25
Chloroform
Concen: 189.844 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037188.D
Acq: 12 Mar 2020 14:11

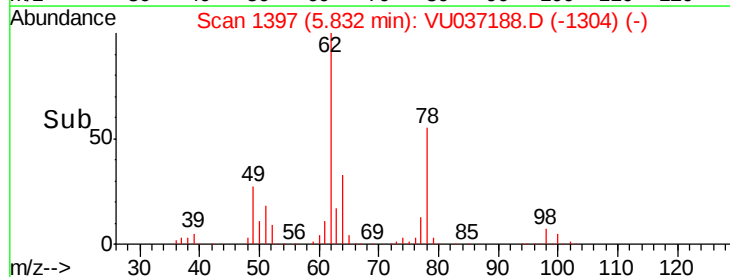
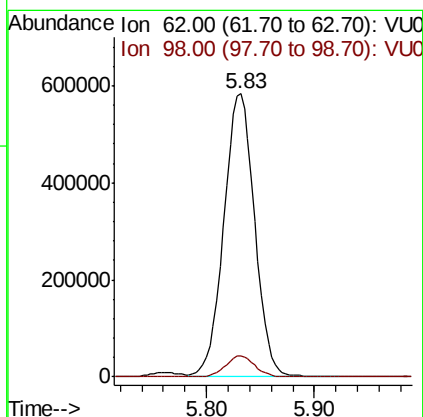
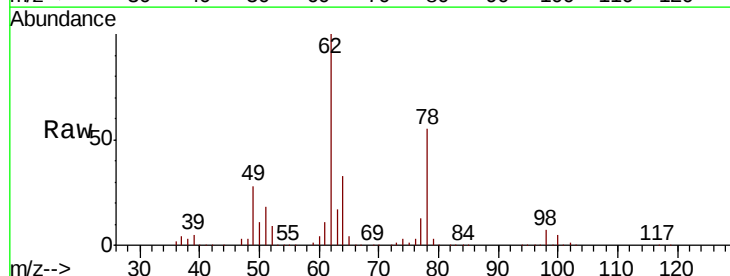
Instrument :
MSVOA_U
ClientSampleId :

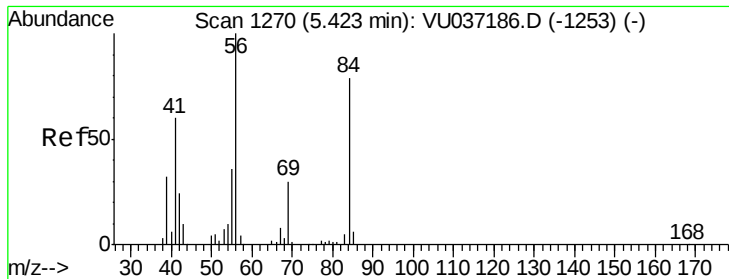
Tot Ion: 83 Resp: 1277056
Ion Ratio Lower Upper
83 100
85 63.8 45.0 83.6



#27
1,2-Dichloroethane
Concen: 192.546 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037188.D
Acq: 12 Mar 2020 14:11

Tgt Ion: 62 Resp: 1154065
Ion Ratio Lower Upper
62 100
98 7.4 5.6 8.4

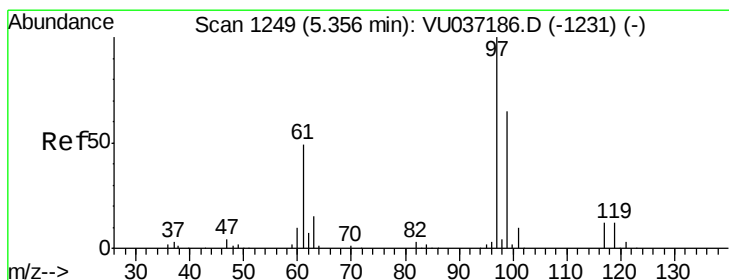
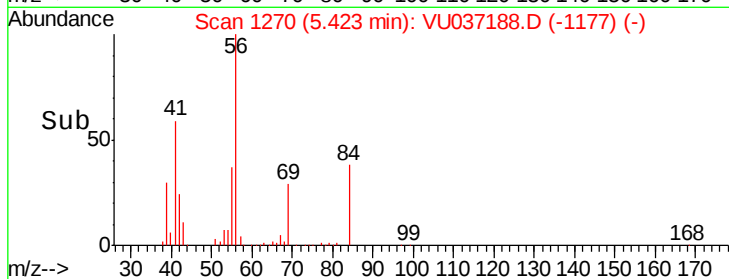
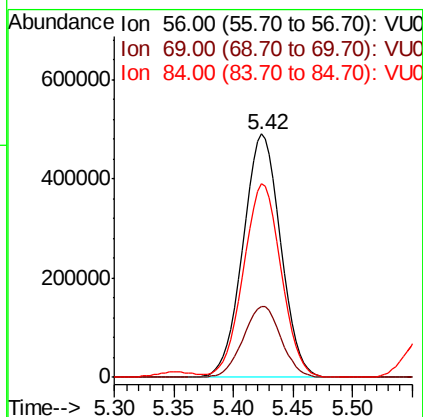
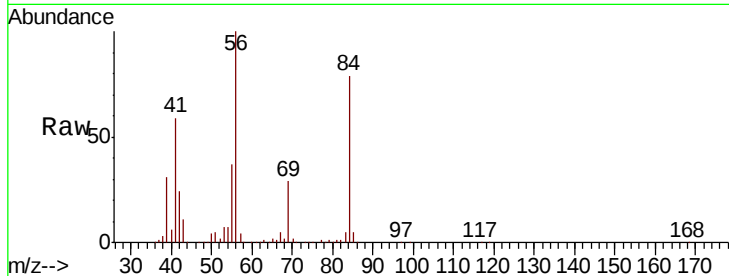




#29
Cyclohexane
Concen: 199.780 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037188.D
Acq: 12 Mar 2020 14:11

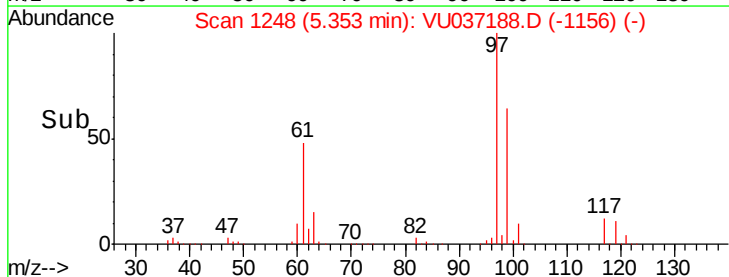
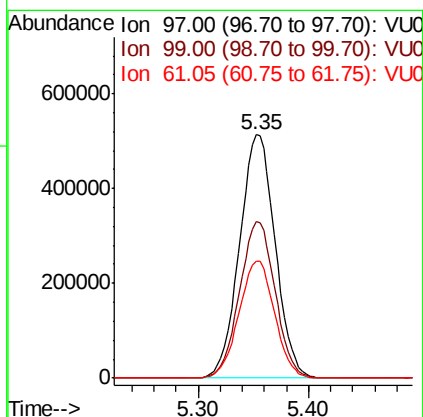
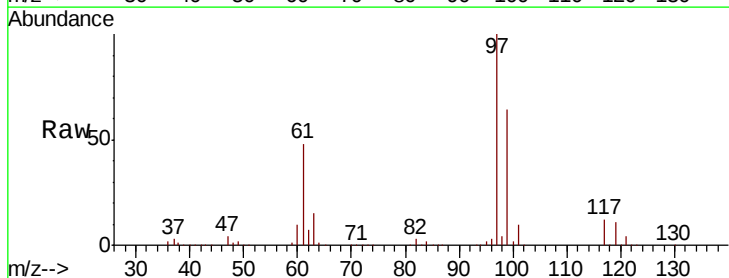
Instrument :
MSVOA_U
ClientSampleId :

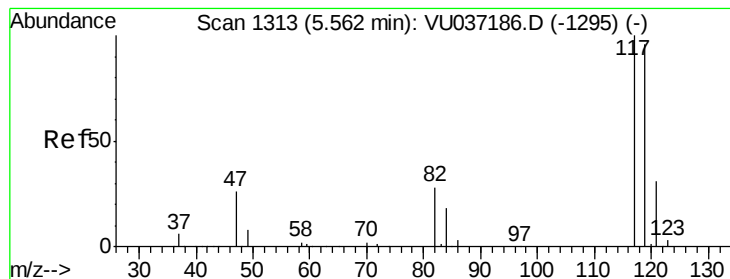
Tot Ion: 56 Resp: 1074043
Ion Ratio Lower Upper
56 100
69 29.3 23.9 35.9
84 80.0 64.0 96.0



#30
1,1,1-Trichloroethane
Concen: 190.217 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037188.D
Acq: 12 Mar 2020 14:11

Tgt Ion: 97 Resp: 1148180
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 48.2 39.0 58.4





#31

Carbon tetrachloride

Concen: 193.048 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037188.D

Acq: 12 Mar 2020 14:11

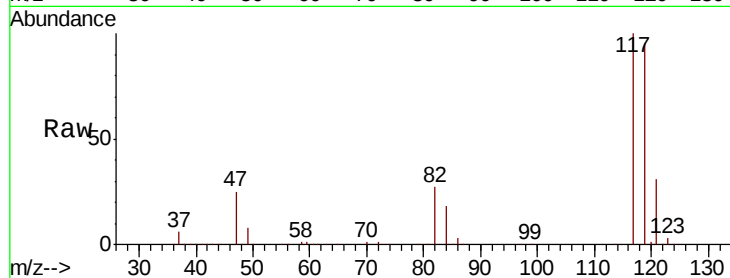
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 1029582

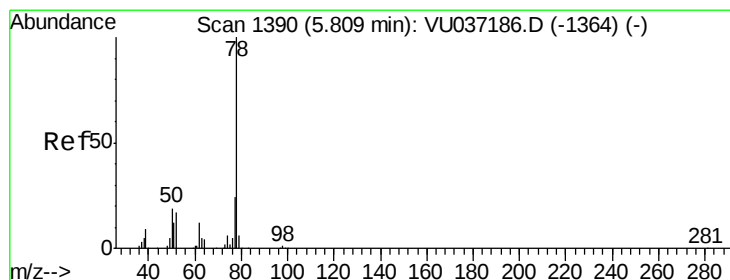
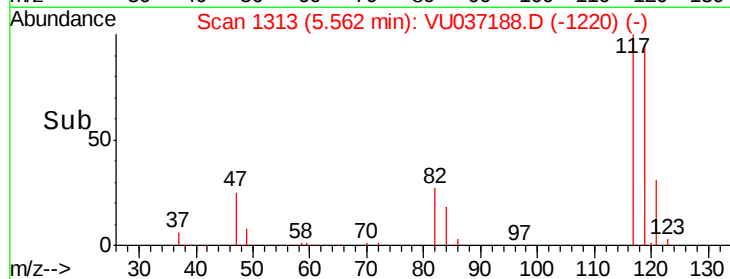
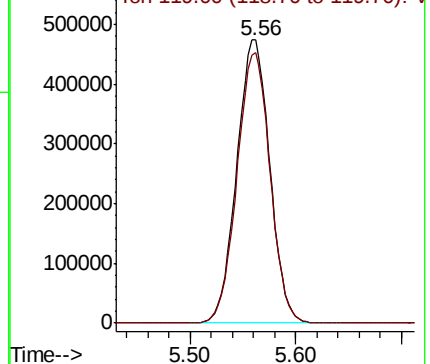
Ion Ratio Lower Upper

117 100

119 95.7 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 190.631 ug/L

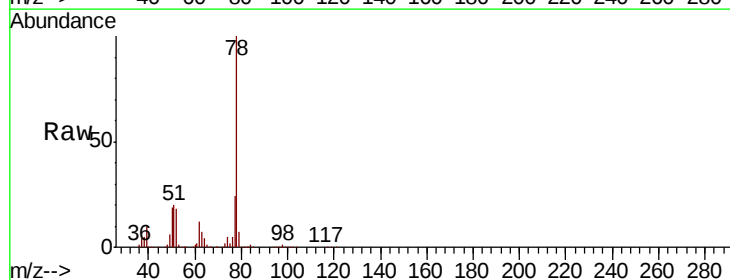
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

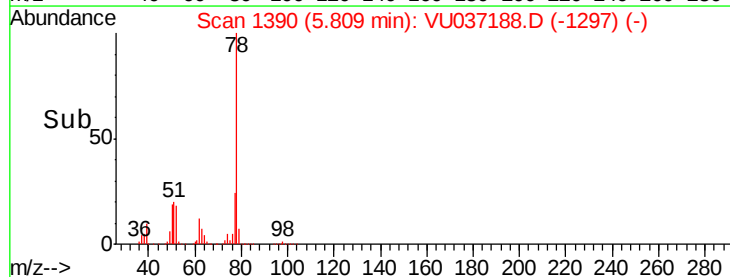
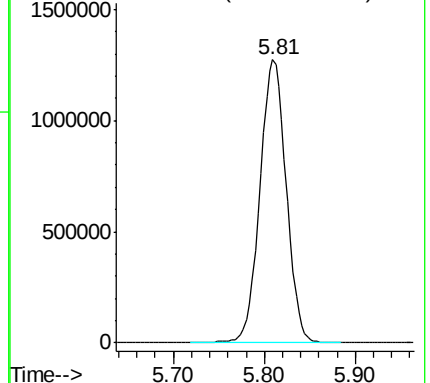
Lab File: VU037188.D

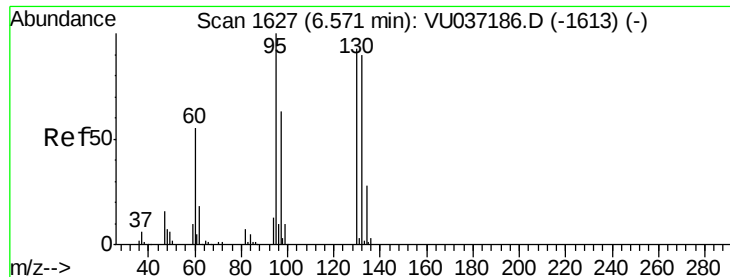
Acq: 12 Mar 2020 14:11

Tgt Ion: 78 Resp: 2555231



Abundance Ion 78.00 (77.70 to 78.70): VU0

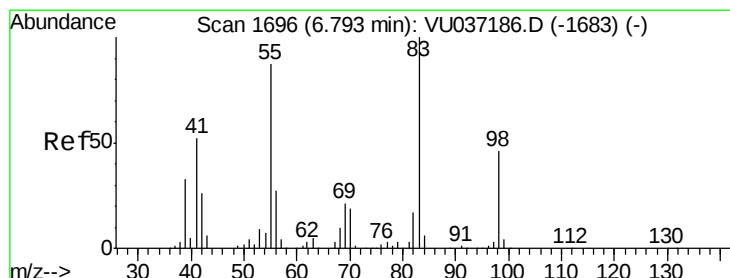
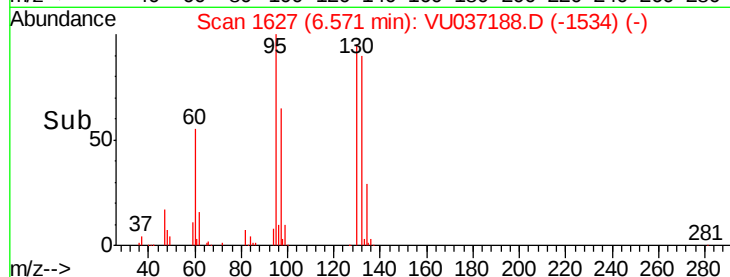
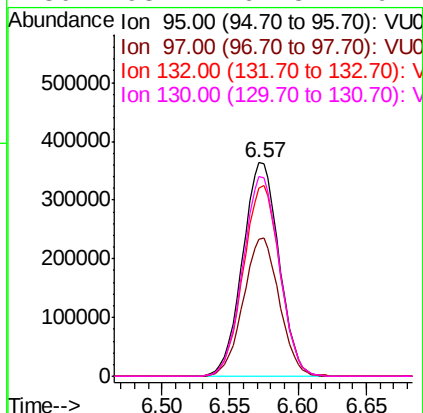
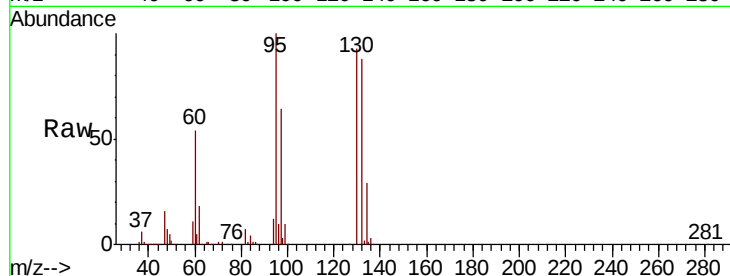




#34
 Trichloroethene
 Concen: 194.409 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037188.D
 Acq: 12 Mar 2020 14:11

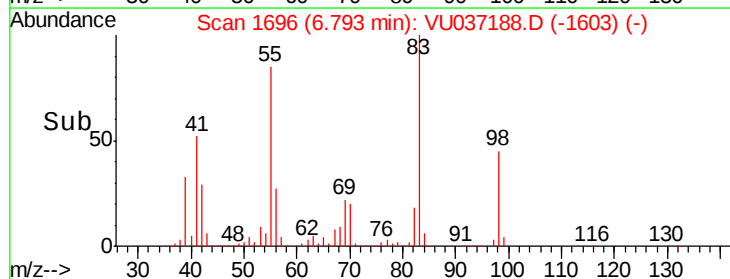
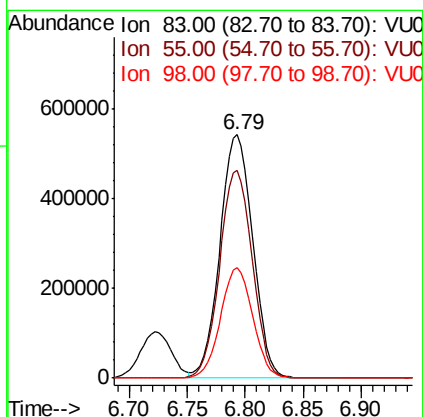
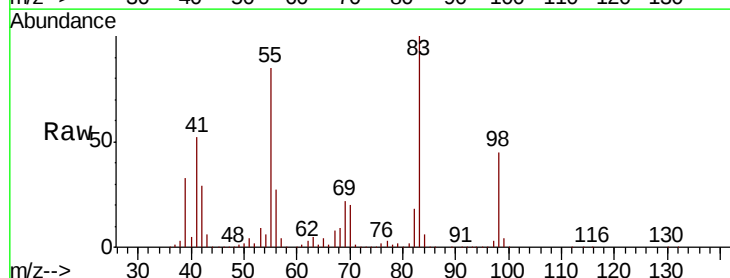
Instrument :
 MSVOA_U
 ClientSampleId :

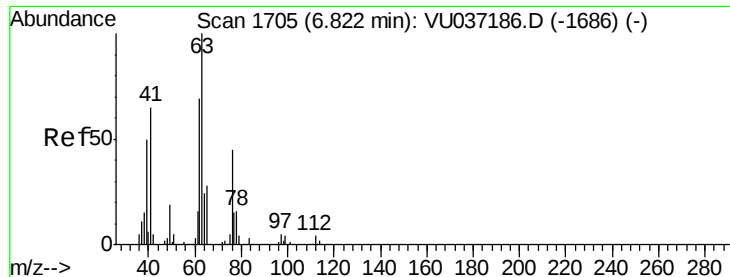
Tot Ion: 95 Resp: 677147
 Ion Ratio Lower Upper
 95 100
 97 64.3 43.8 81.4
 132 88.3 62.6 116.3
 130 93.4 64.8 120.4



#35
 Methylcyclohexane
 Concen: 201.098 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037188.D
 Acq: 12 Mar 2020 14:11

Tgt Ion: 83 Resp: 1060459
 Ion Ratio Lower Upper
 83 100
 55 85.0 68.2 102.2
 98 44.5 36.4 54.6





#37

1,2-Dichloropropane

Concen: 189.928 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037188.D

Acq: 12 Mar 2020 14:11

Instrument :

MSVOA_U

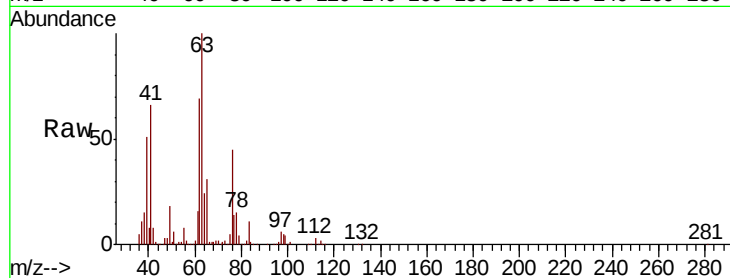
ClientSampleId :

Tot Ion: 63 Resp: 723643

Ion Ratio Lower Upper

63 100

112 3.5 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU037188.D (-1686) (-)

Ion 112.00 (111.70 to 112.70): VU037188.D (-1686) (-)

6.82

400000

300000

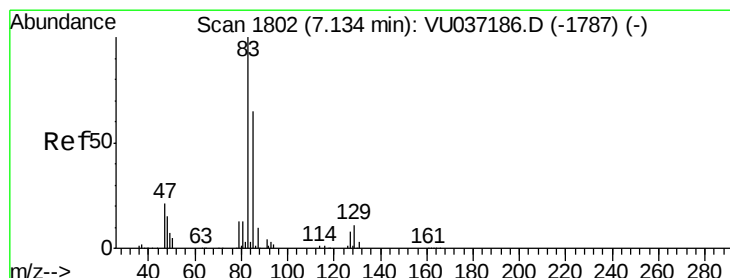
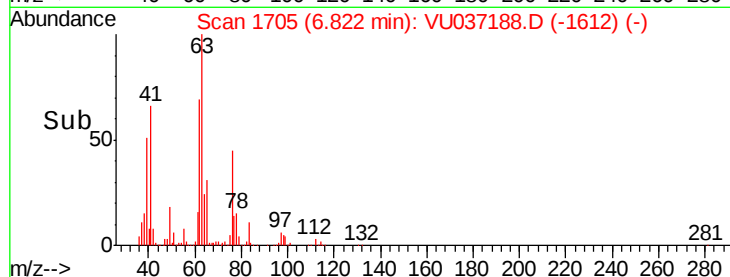
200000

100000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 191.421 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU037188.D

Acq: 12 Mar 2020 14:11

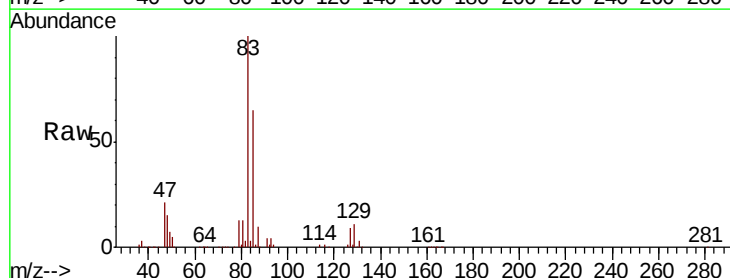
Tgt Ion: 83 Resp: 1019647

Ion Ratio Lower Upper

83 100

85 65.1 45.7 84.9

127 8.5 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VU037188.D (-1787) (-)

Ion 85.00 (84.70 to 85.70): VU037188.D (-1787) (-)

Ion 127.00 (126.70 to 127.70): VU037188.D (-1787) (-)

7.13

600000

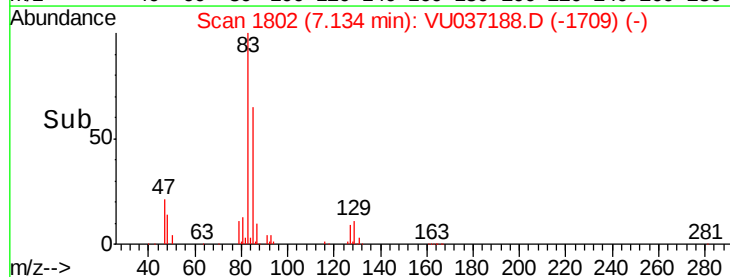
400000

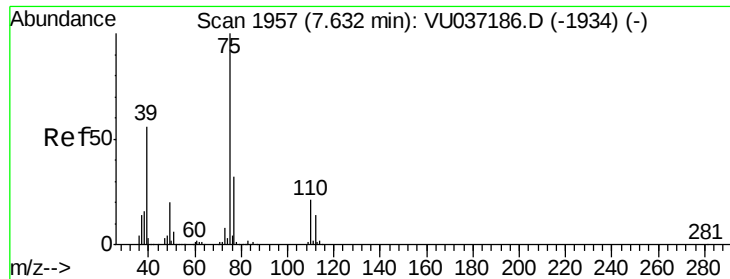
200000

0

7.05 7.10 7.15 7.20

Time-->



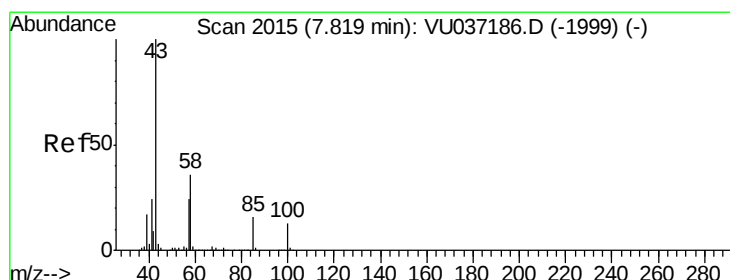
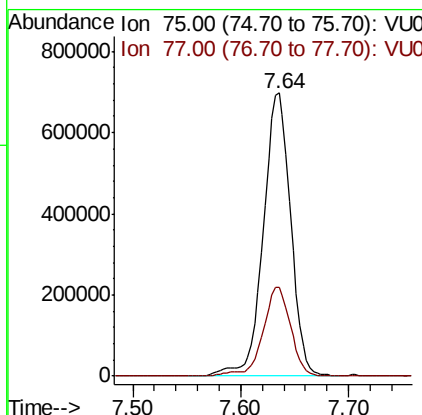
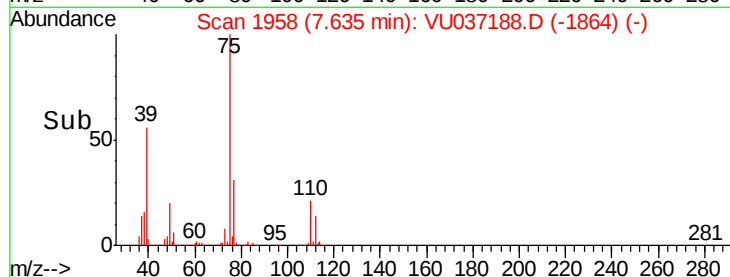
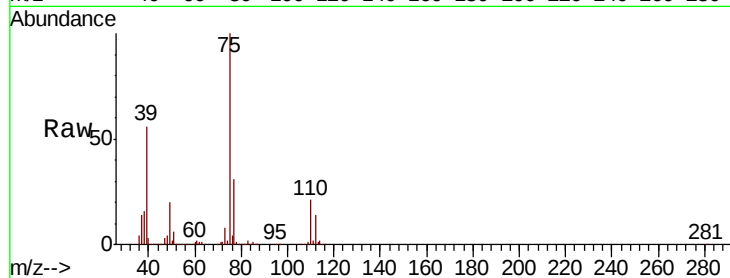


#39

cis-1,3-Dichloropropene
 Concen: 207.841 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037188.D
 Acq: 12 Mar 2020 14:11

Instrument :
 MSVOA_U
 ClientSampleId :

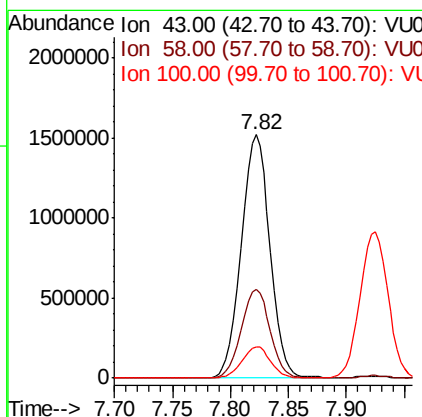
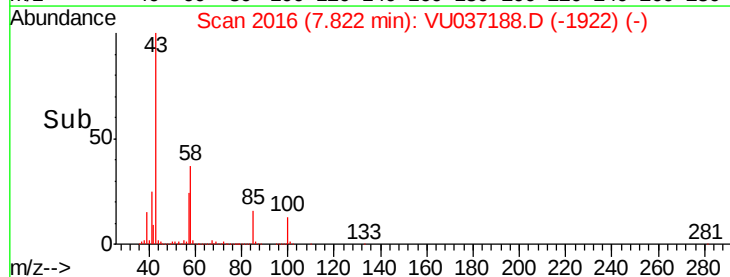
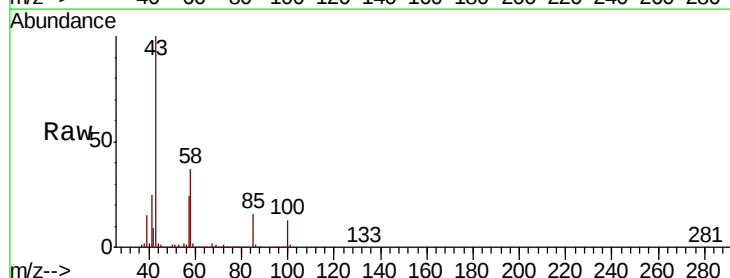
Tot Ion: 75 Resp: 1227869
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.5 41.9

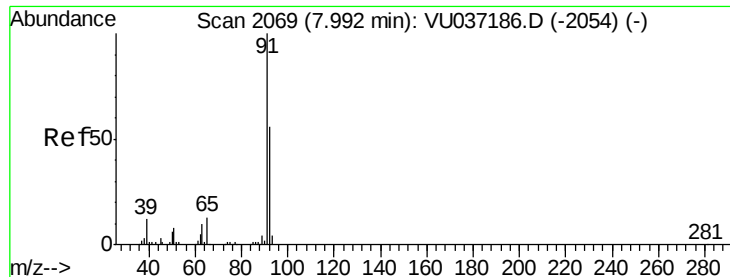


#40

4-Methyl-2-pentanone
 Concen: 420.088 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VU037188.D
 Acq: 12 Mar 2020 14:11

Tgt Ion: 43 Resp: 2605553
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.3 43.9
 100 12.9 10.3 15.5





#42

Toluene

Concen: 195.352 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037188.D

Acq: 12 Mar 2020 14:11

Instrument :

MSVOA_U

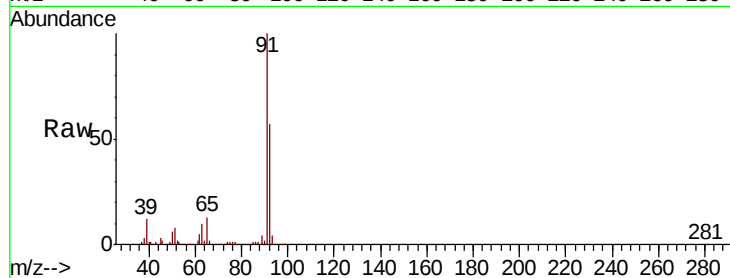
ClientSampleId :

Tot Ion: 91 Resp: 2859457

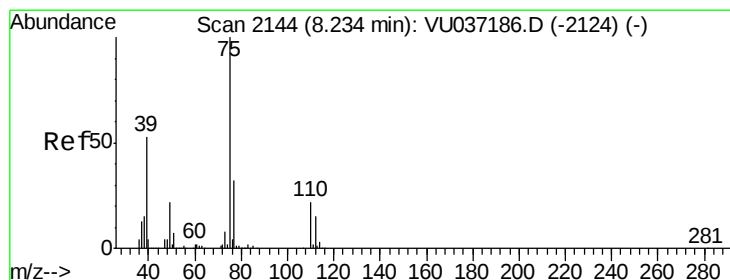
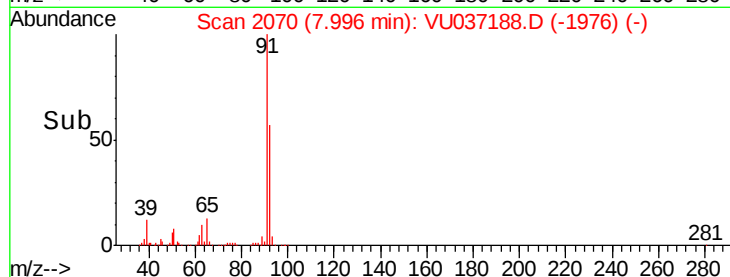
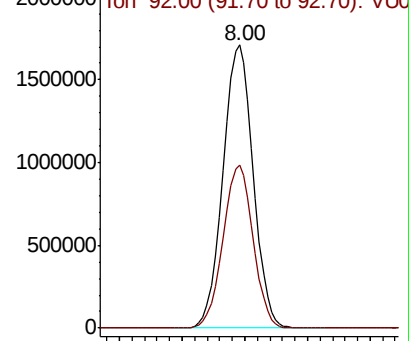
Ion Ratio Lower Upper

91 100

92 57.4 39.1 72.5



Abundance Ion 91.00 (90.70 to 91.70): VU037188.D (-2054) (-)



#44

trans-1,3-Dichloropropene

Concen: 208.243 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037188.D

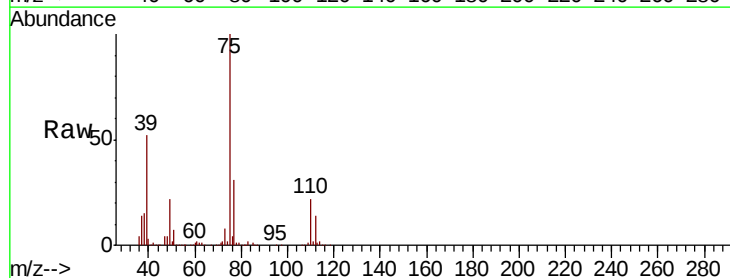
Acq: 12 Mar 2020 14:11

Tgt Ion: 75 Resp: 1161564

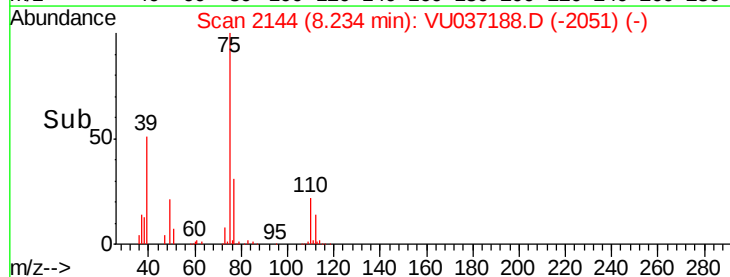
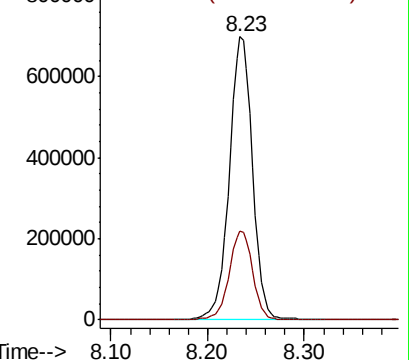
Ion Ratio Lower Upper

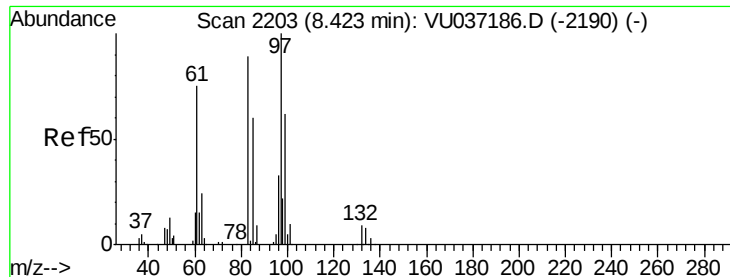
75 100

77 31.3 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU037188.D (-2054) (-)

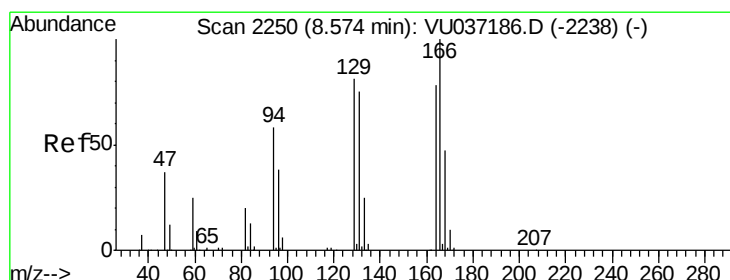
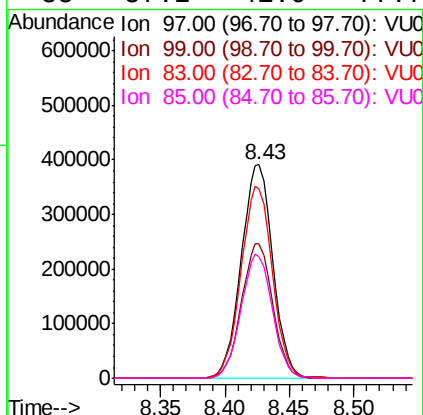
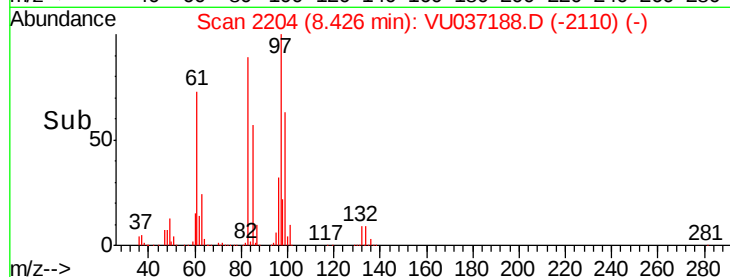
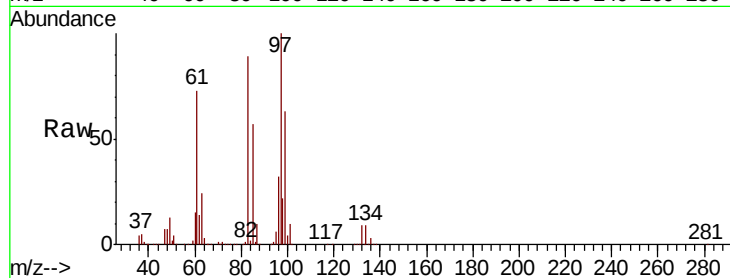




#45
 1,1,2-Trichloroethane
 Concen: 192.113 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU037188.D
 Acq: 12 Mar 2020 14:11

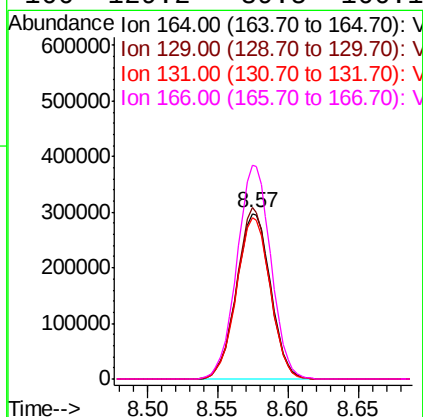
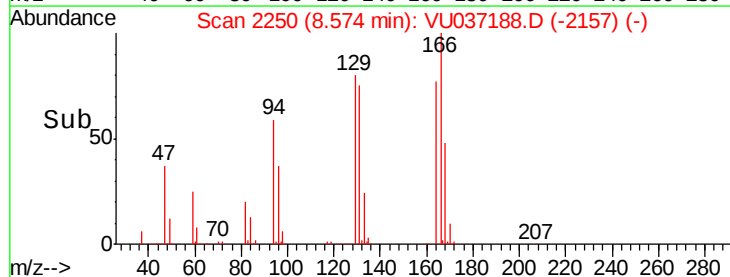
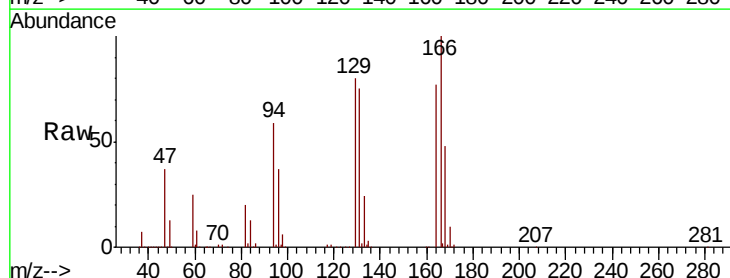
Instrument :
 MSVOA_U
 ClientSampleId :

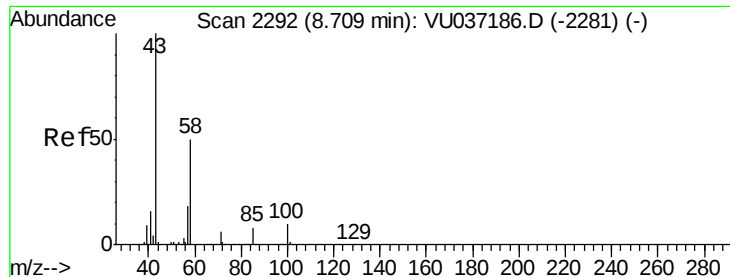
Tot Ion:	97	Resp:	666485
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.5	80.9
83	88.9	62.4	116.0
85	57.2	41.9	77.7



#46
 Tetrachloroethene
 Concen: 194.451 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU037188.D
 Acq: 12 Mar 2020 14:11

Tgt Ion:	164	Resp:	503179
Ion	Ratio	Lower	Upper
164	100		
129	103.9	72.4	134.5
131	97.3	67.1	124.7
166	129.2	89.5	166.1

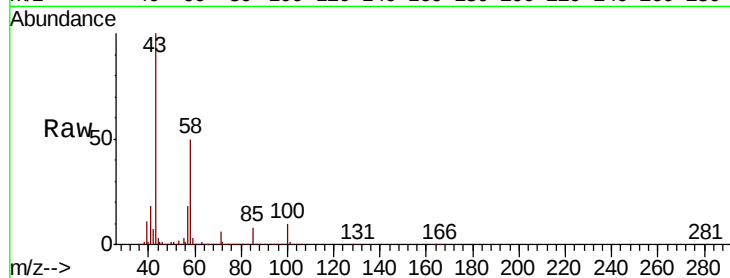




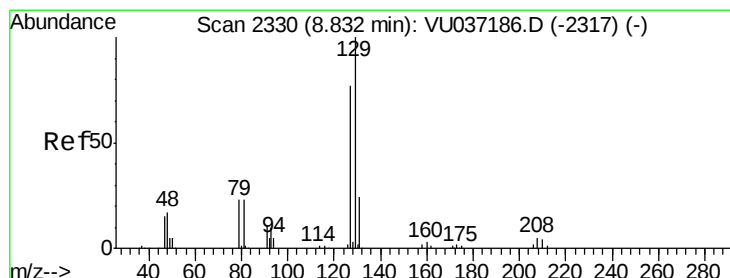
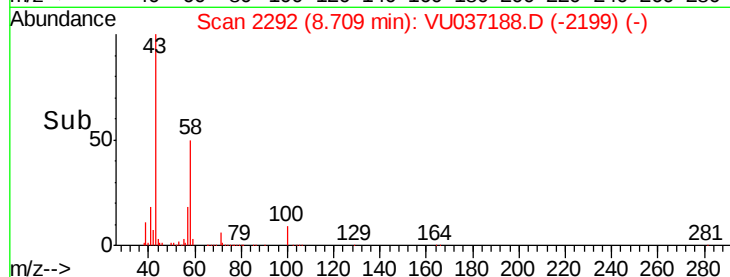
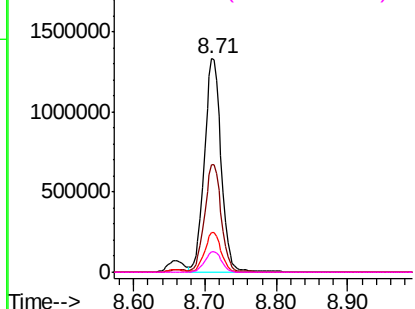
#48
2-Hexanone
Concen: 442.805 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037188.D
Acq: 12 Mar 2020 14:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 2164325
Ion Ratio Lower Upper
43 100
58 50.6 39.8 59.6
57 18.2 14.5 21.7
100 9.8 7.9 11.9

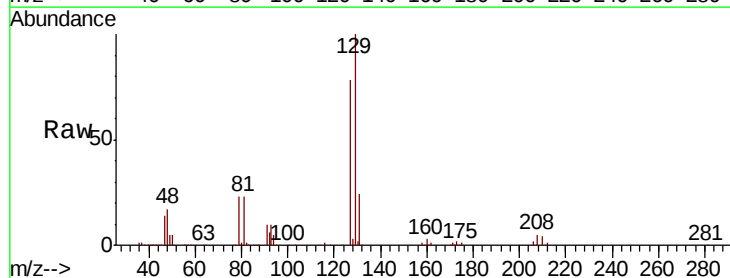


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

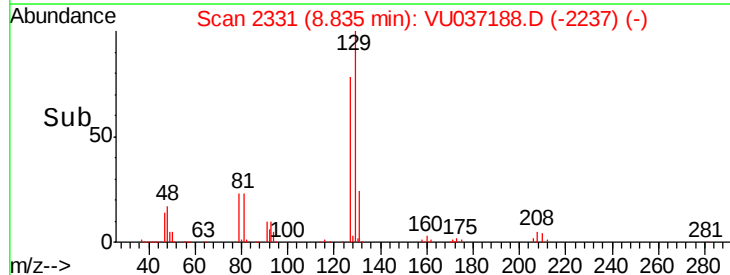
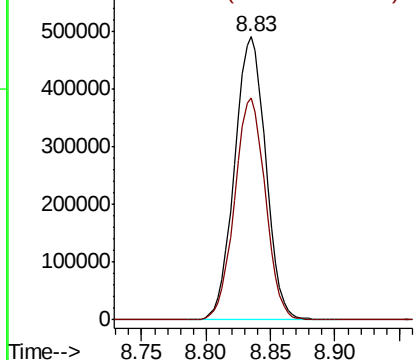


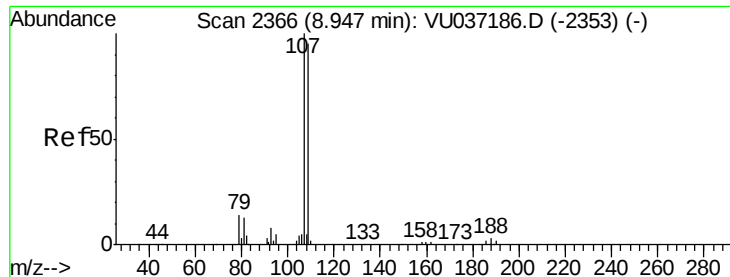
#49
Dibromochloromethane
Concen: 202.524 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037188.D
Acq: 12 Mar 2020 14:11

Tgt Ion: 129 Resp: 826593
Ion Ratio Lower Upper
129 100
127 78.4 53.8 100.0



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

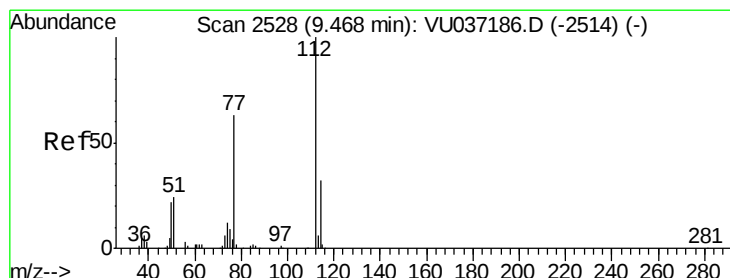
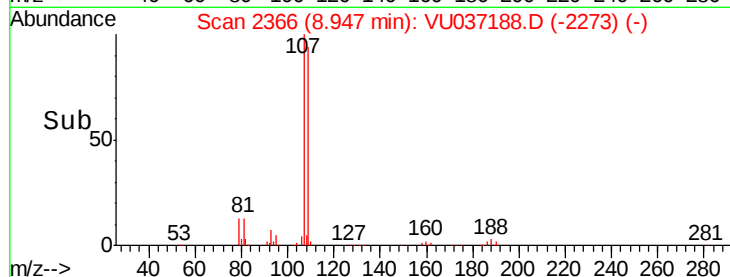
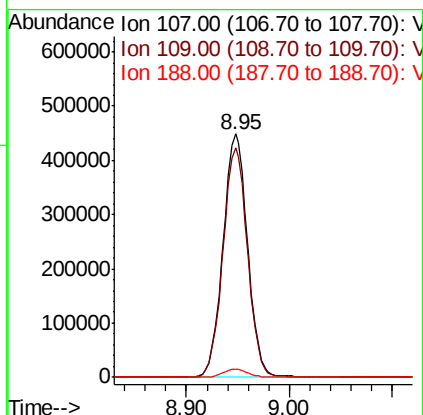
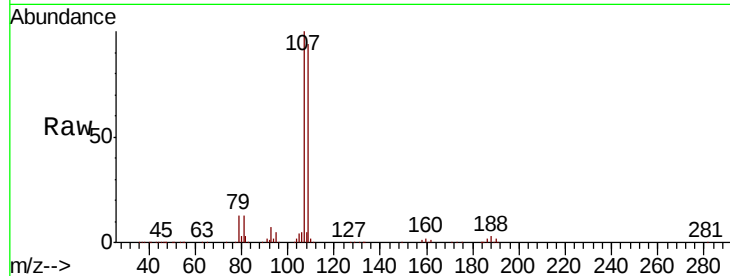




#50
 1,2-Dibromoethane
 Concen: 198.348 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037188.D
 Acq: 12 Mar 2020 14:11

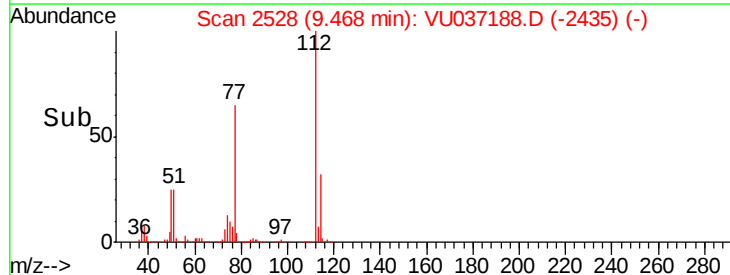
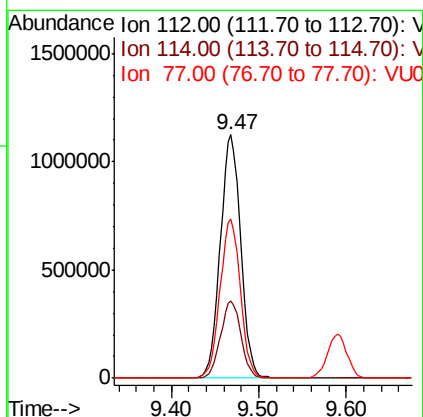
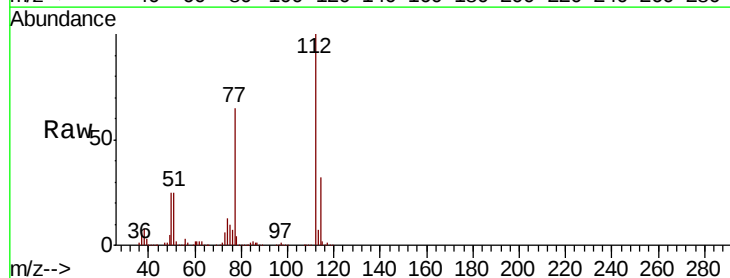
Instrument :
 MSVOA_U
 ClientSampleId :

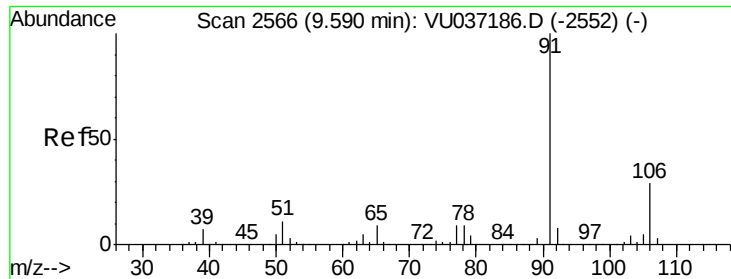
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	66.5	123.5
188	3.4	2.6	4.0



#51
 Chlorobenzene
 Concen: 197.759 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037188.D
 Acq: 12 Mar 2020 14:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.6	42.0
77	65.5	51.0	76.4

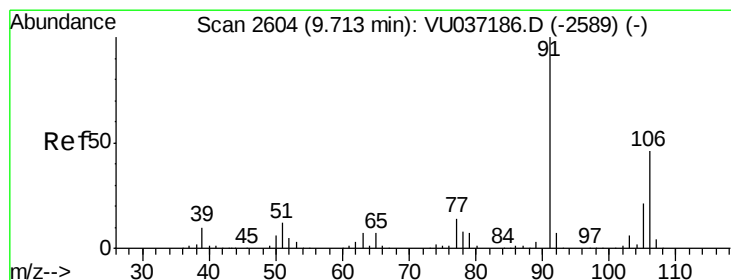
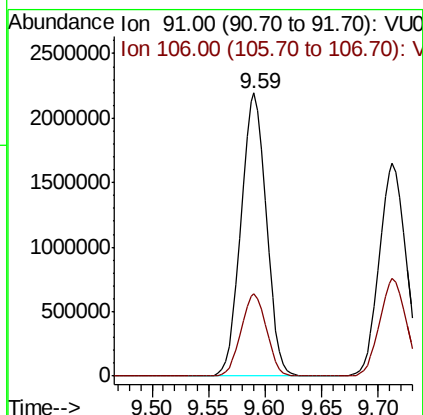
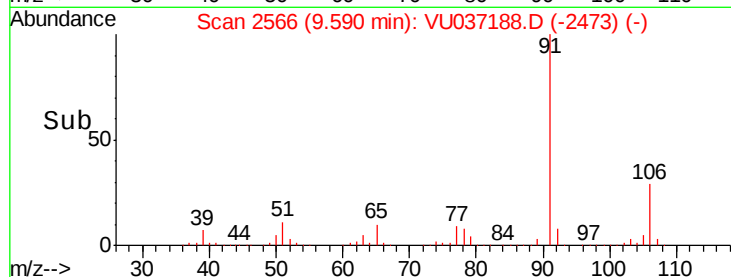
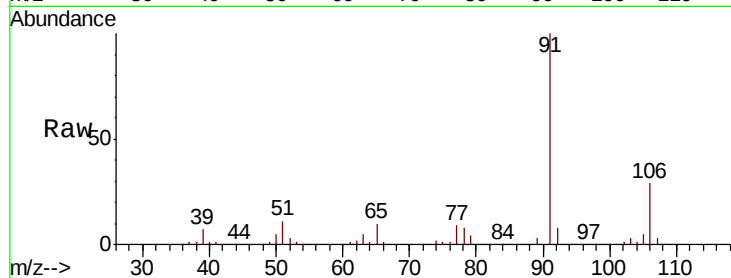




#52
Ethylbenzene
Concen: 202.473 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU037188.D
Acq: 12 Mar 2020 14:11

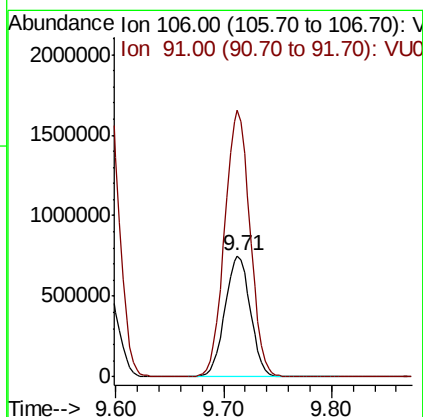
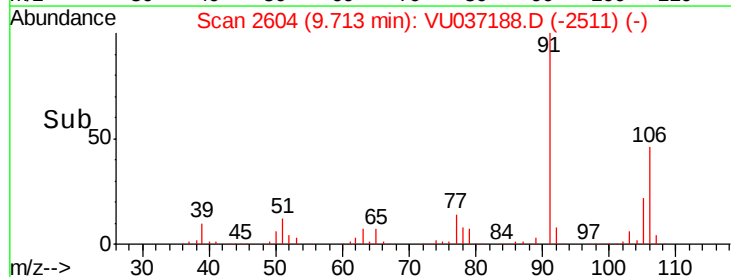
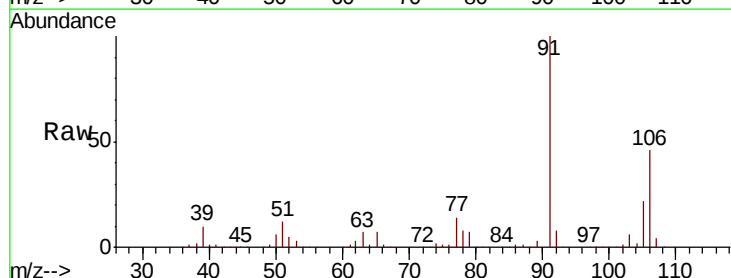
Instrument :
MSVOA_U
ClientSampled :

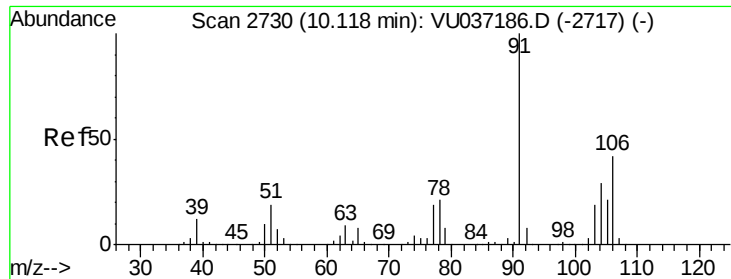
Tot Ion: 91 Resp: 3431697
Ion Ratio Lower Upper
91 100
106 29.0 20.2 37.6



#53
m,p-Xylene
Concen: 205.865 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU037188.D
Acq: 12 Mar 2020 14:11

Tgt Ion: 106 Resp: 1234119
Ion Ratio Lower Upper
106 100
91 219.4 154.0 286.0

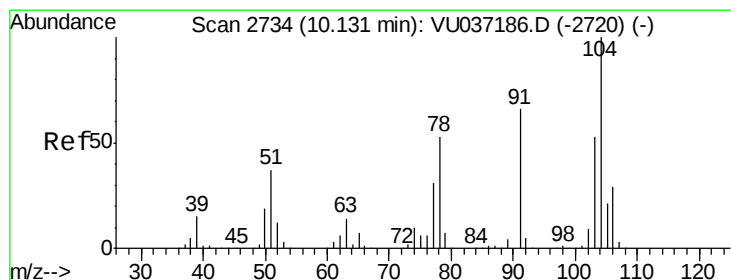
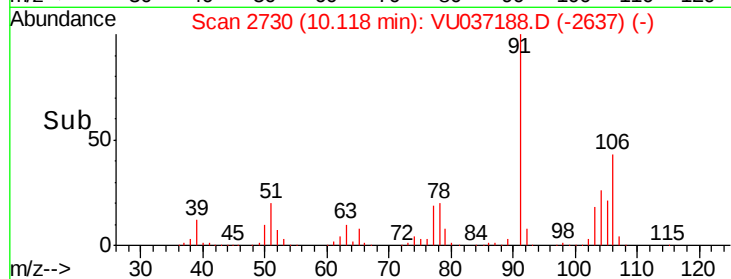
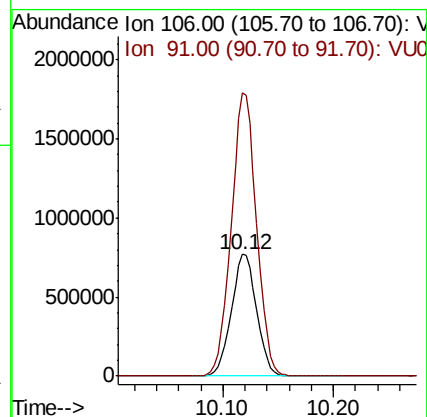
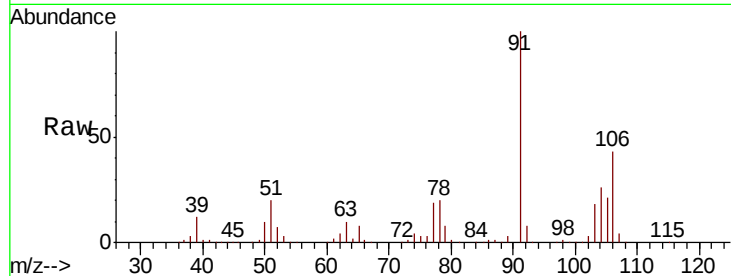




#54
o-xylene
Concen: 205.838 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU037188.D
Acq: 12 Mar 2020 14:11

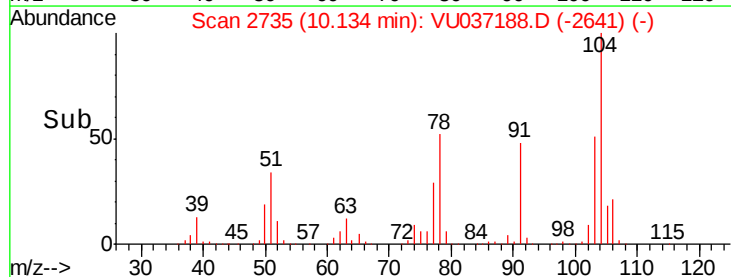
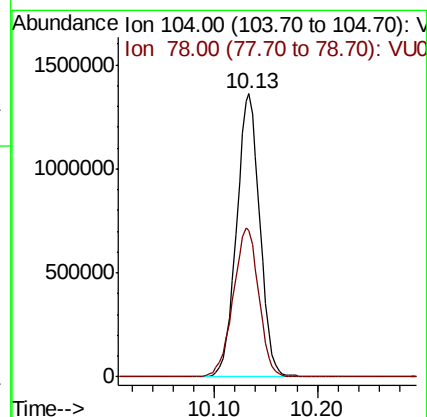
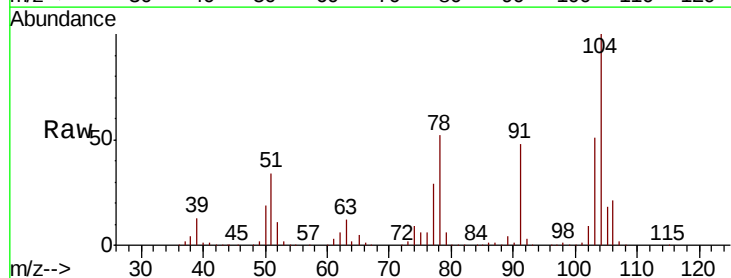
Instrument :
MSVOA_U
ClientSampled :

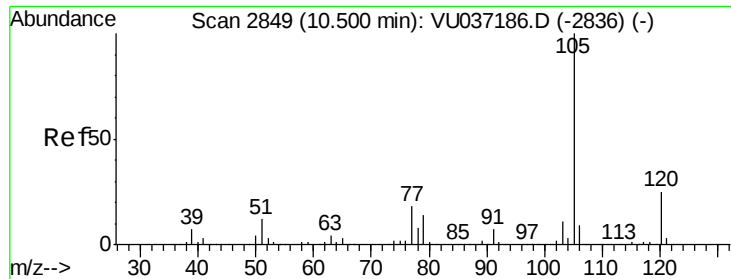
Tot Ion:106 Resp: 1219116
Ion Ratio Lower Upper
106 100
91 232.2 167.6 311.2



#55
Styrene
Concen: 212.880 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037188.D
Acq: 12 Mar 2020 14:11

Tgt Ion:104 Resp: 2138164
Ion Ratio Lower Upper
104 100
78 51.8 37.4 69.4





#56

Isopropylbenzene

Concen: 208.366 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037188.D

Acq: 12 Mar 2020 14:11

Instrument :

MSVOA_U

ClientSampled :

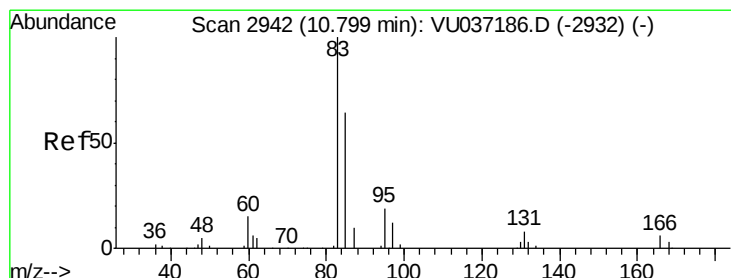
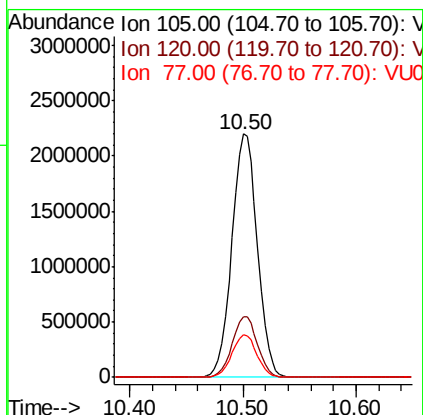
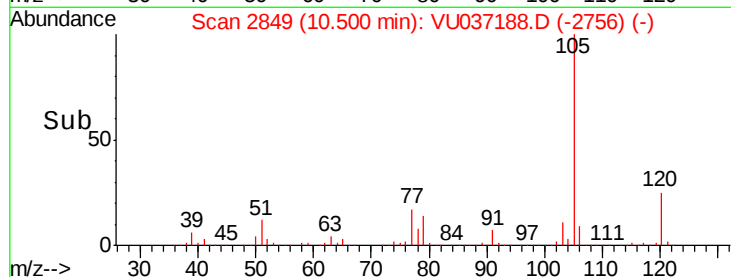
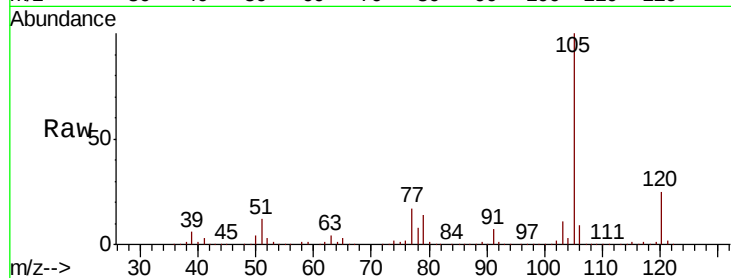
Tot Ion:105 Resp: 3430157

Ion Ratio Lower Upper

105 100

120 24.9 19.9 29.9

77 17.3 14.1 21.1



#58

1,1,2,2-Tetrachloroethane

Concen: 202.904 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037188.D

Acq: 12 Mar 2020 14:11

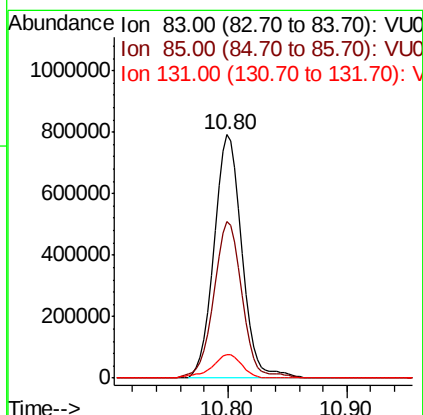
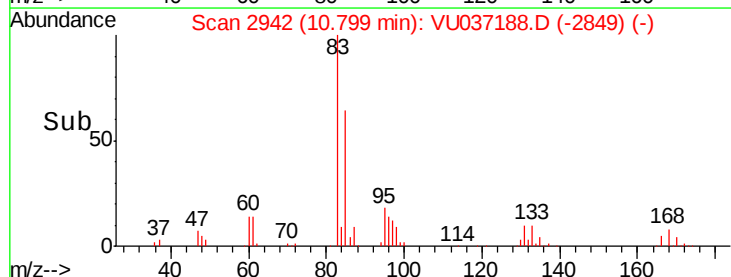
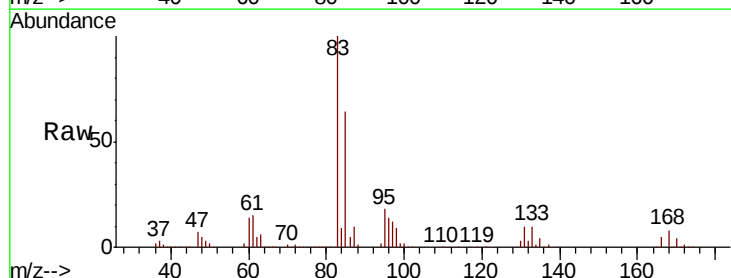
Tgt Ion: 83 Resp: 1284898

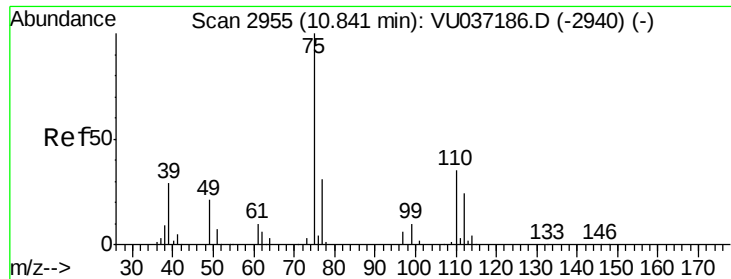
Ion Ratio Lower Upper

83 100

85 64.2 45.8 85.2

131 9.7 7.7 11.5





#59

1,2,3-Trichloropropane

Concen: 201.714 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037188.D

Acq: 12 Mar 2020 14:11

Instrument :

MSVOA_U

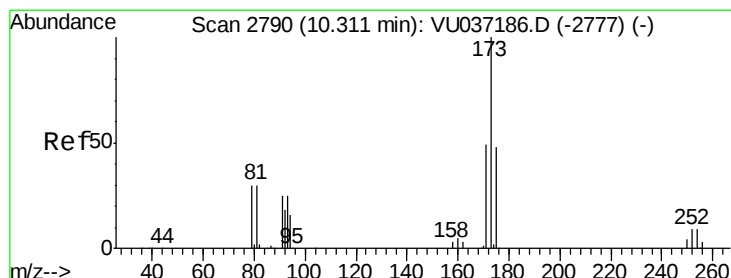
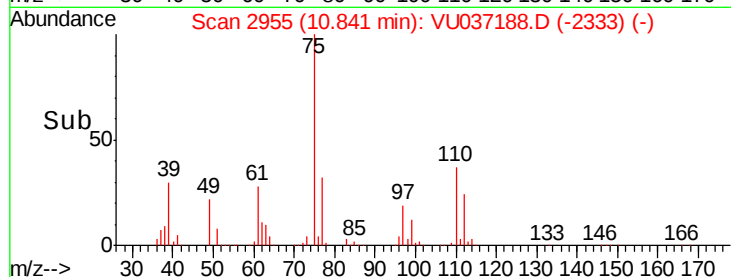
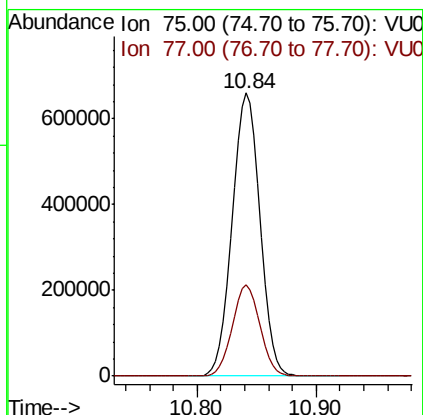
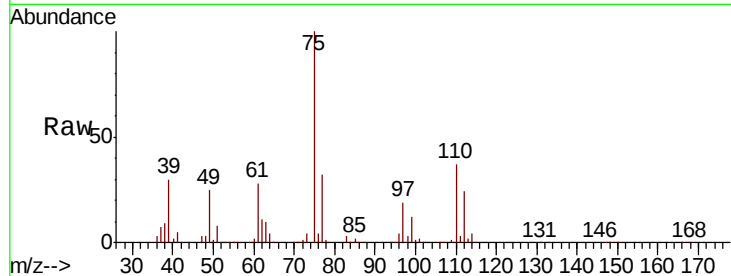
ClientSampleId :

Tot Ion: 75 Resp: 1068356

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.6



#61

Bromoform

Concen: 193.783 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037188.D

Acq: 12 Mar 2020 14:11

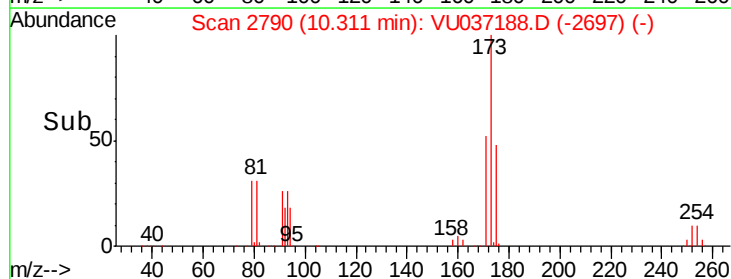
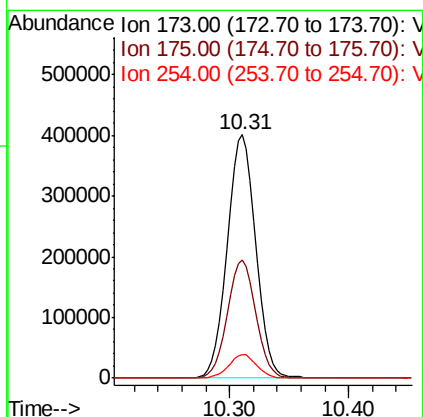
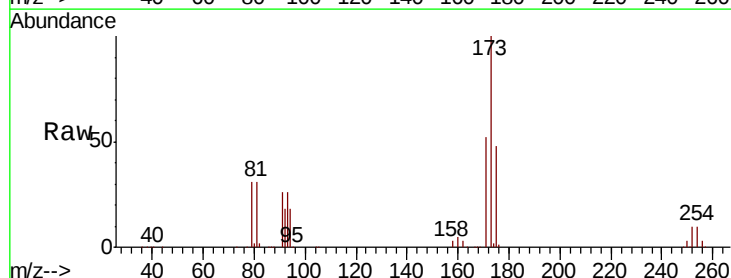
Tgt Ion:173 Resp: 663382

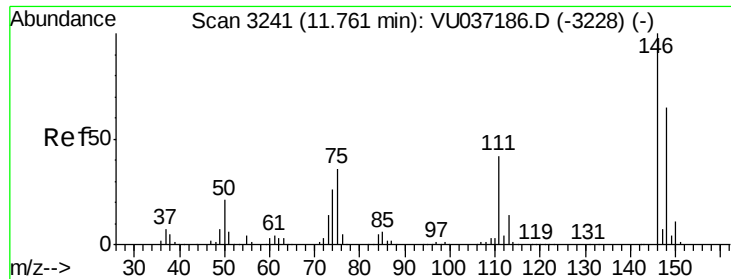
Ion Ratio Lower Upper

173 100

175 48.5 38.3 57.5

254 9.6 7.6 11.4

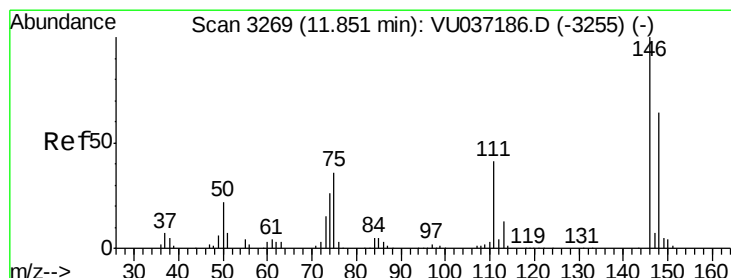
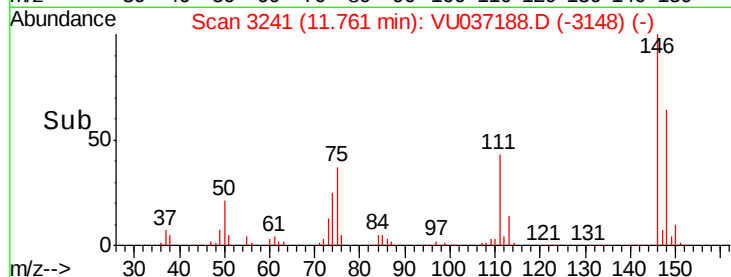
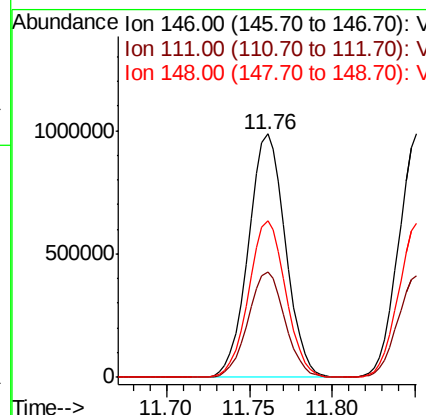
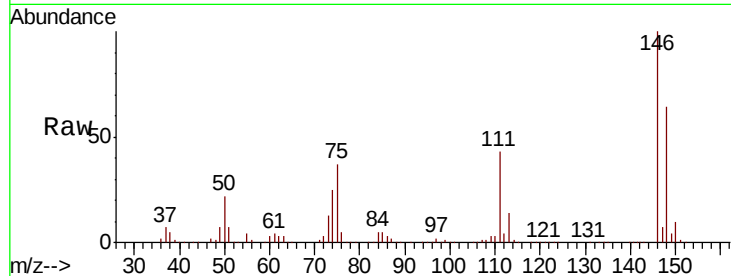




#62
 1,3-Dichlorobenzene
 Concen: 196.891 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037188.D
 Acq: 12 Mar 2020 14:11

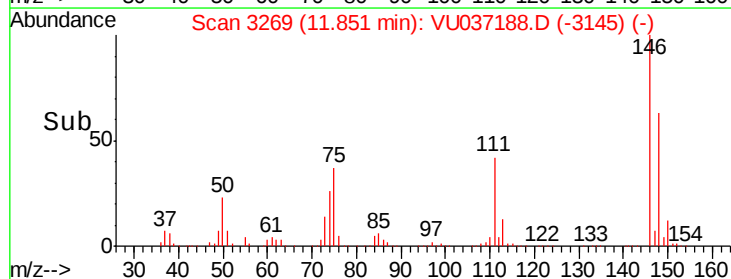
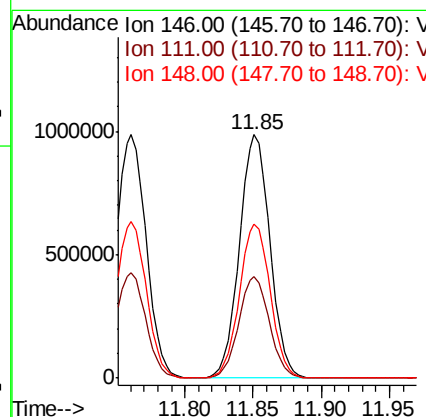
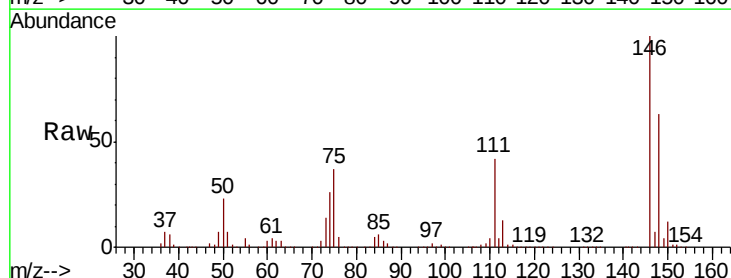
Instrument :
 MSVOA_U
 ClientSampleId :

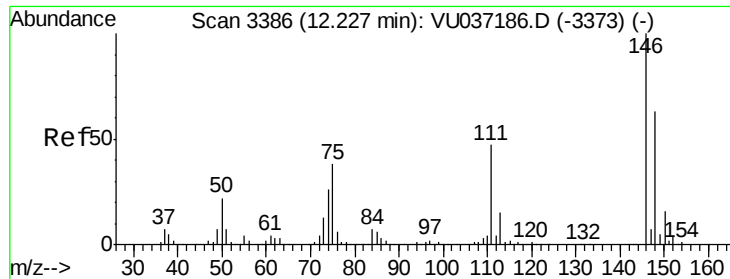
Tot Ion:146 Resp: 1529578
 Ion Ratio Lower Upper
 146 100
 111 43.4 29.2 54.2
 148 64.2 45.8 85.0



#63
 1,4-Dichlorobenzene
 Concen: 194.760 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037188.D
 Acq: 12 Mar 2020 14:11

Tgt Ion:146 Resp: 1529201
 Ion Ratio Lower Upper
 146 100
 111 41.7 28.5 52.9
 148 63.5 44.8 83.2

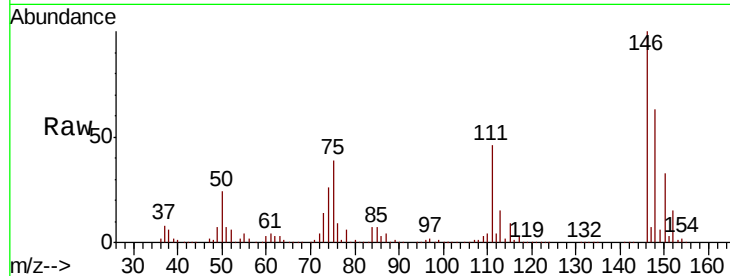




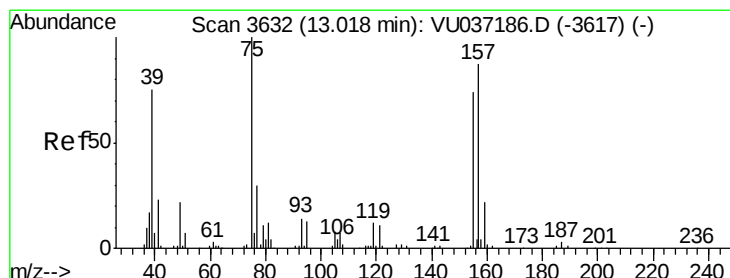
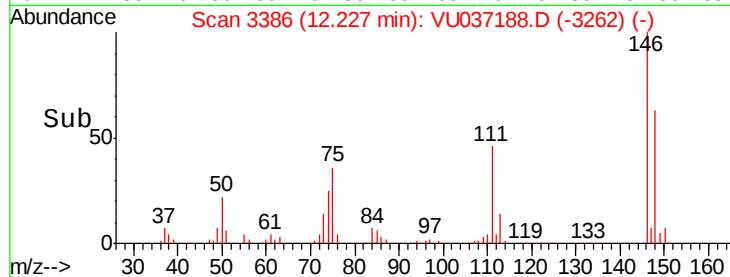
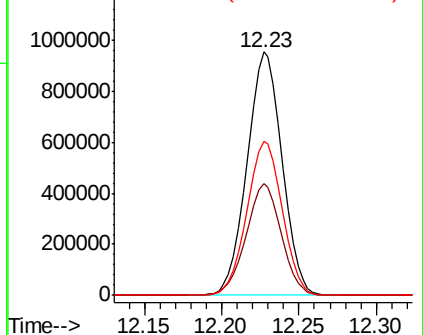
#65
 1,2-Dichlorobenzene
 Concen: 190.074 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037188.D
 Acq: 12 Mar 2020 14:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 1508160
 Ion Ratio Lower Upper
 146 100
 111 46.0 37.4 56.2
 148 63.3 50.8 76.2

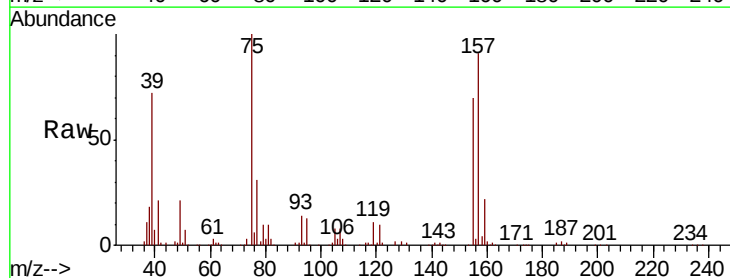


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

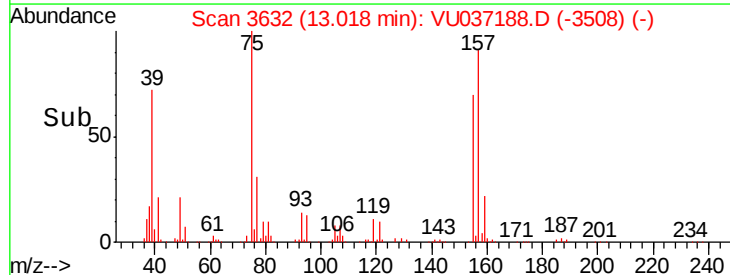
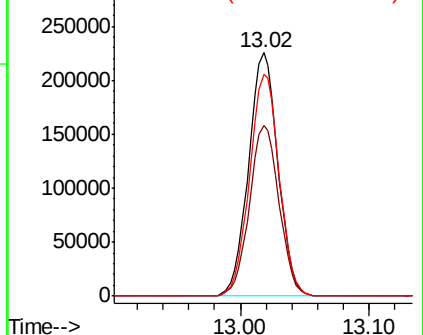


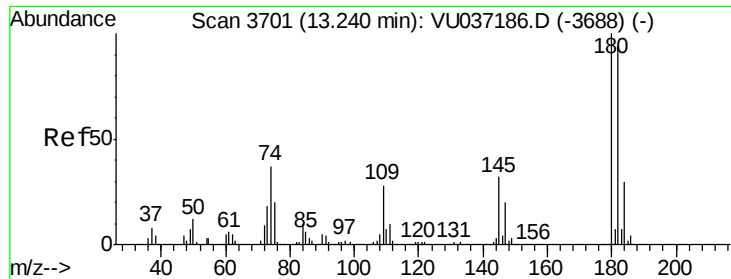
#66
 1,2-Dibromo-3-chloropropane
 Concen: 204.540 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU037188.D
 Acq: 12 Mar 2020 14:11

Tgt Ion: 75 Resp: 357807
 Ion Ratio Lower Upper
 75 100
 155 70.0 59.0 88.4
 157 91.1 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

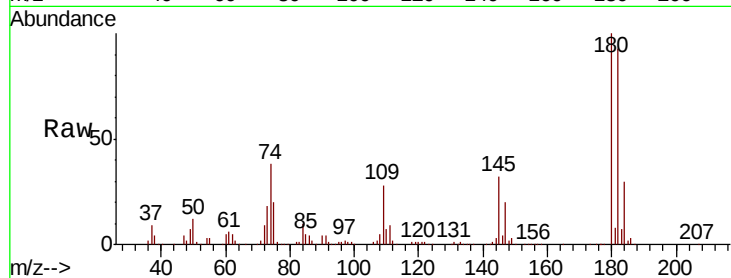




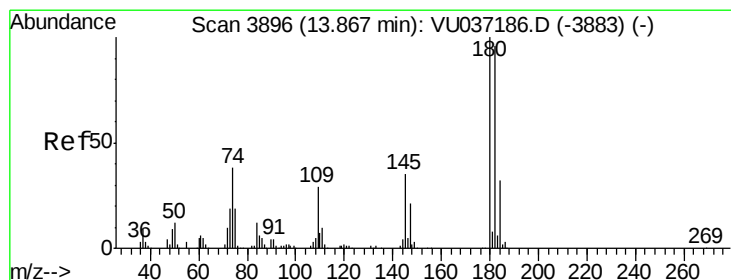
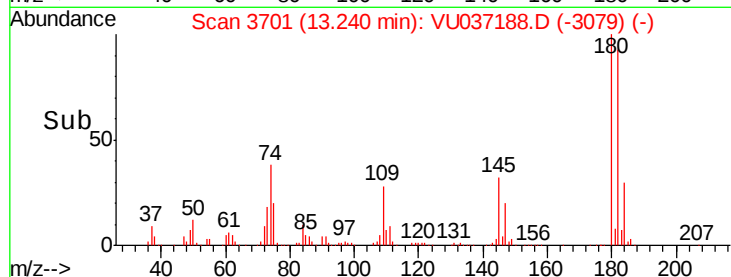
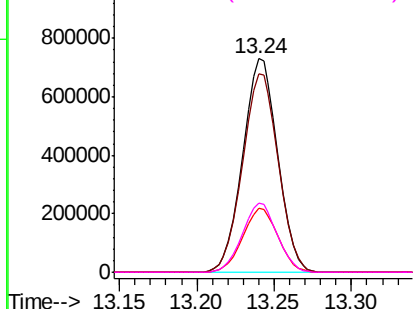
#67
 1,3,5-Trichlorobenzene
 Concen: 203.017 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037188.D
 Acq: 12 Mar 2020 14:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 1149396
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.8 113.8
 184 30.1 24.5 36.7
 145 32.2 25.9 38.9

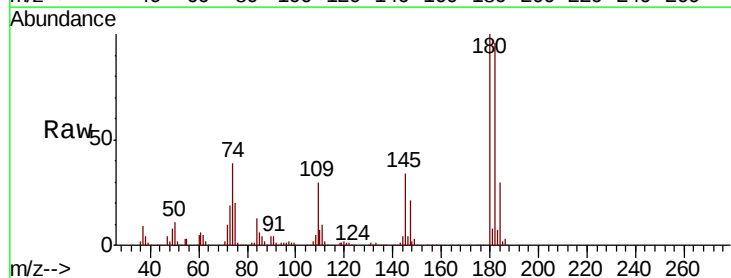


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

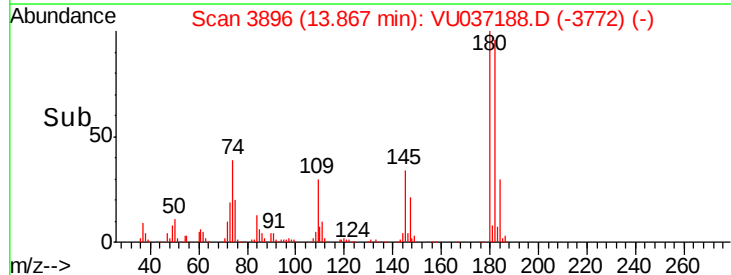
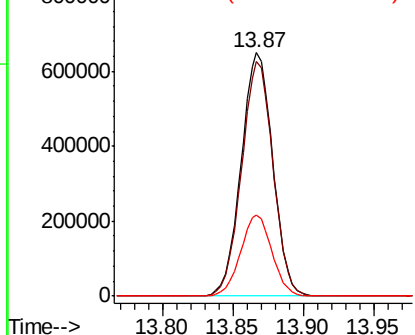


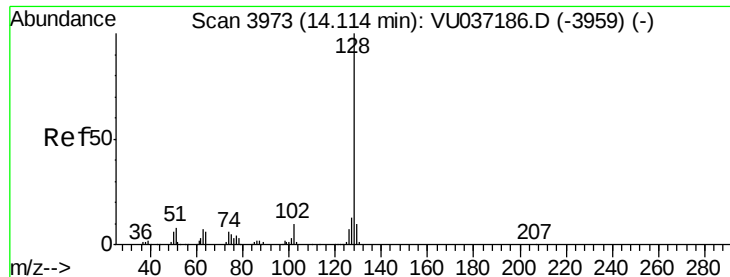
#68
 1,2,4-trichlorobenzene
 Concen: 230.955 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037188.D
 Acq: 12 Mar 2020 14:11

Tgt Ion:180 Resp: 1021034
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.9 113.9
 145 32.8 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: 252.456 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037188.D

Acq: 12 Mar 2020 14:11

Instrument :

MSVOA_U

ClientSampled :

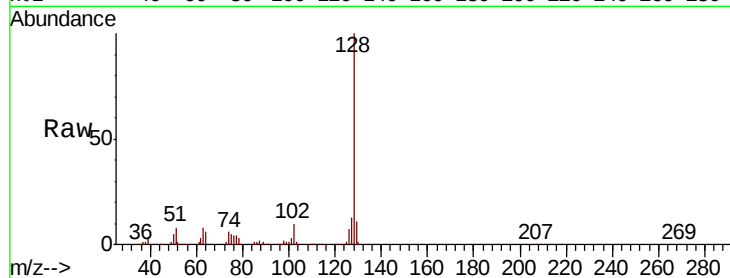
Tot Ion:128 Resp: 1692616

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

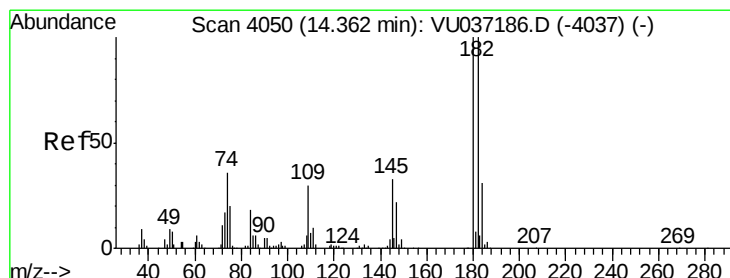
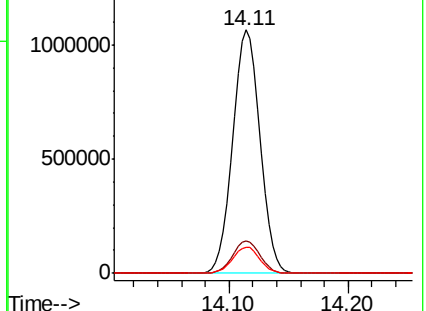
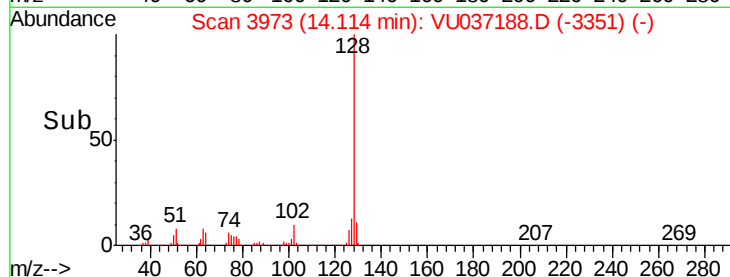
129 10.7 8.5 12.7



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: 219.489 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037188.D

Acq: 12 Mar 2020 14:11

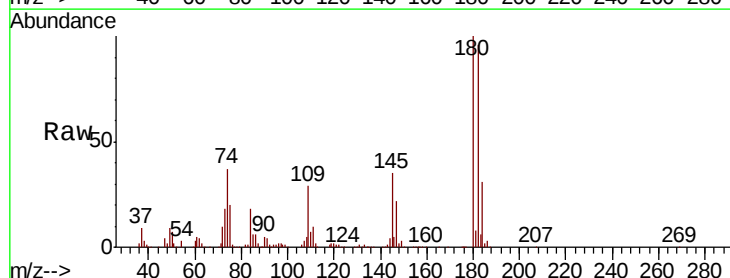
Tgt Ion:180 Resp: 1018282

Ion Ratio Lower Upper

180 100

182 96.0 77.8 116.6

145 34.8 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

