

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032720\
 Data File : VU037377.D
 Acq On : 27 Mar 2020 17:35
 Operator : JC/MD
 Sample : VSTD10032
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 28 00:50:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 00:42:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	309990	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	302251	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	163023	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	186628	77.79	ug/L	0.00
7) Chloroethane-d5	1.92	69	147082	76.04	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	388908	88.36	ug/L	0.00
21) 2-Butanone-d5	4.67	46	340431	179.30	ug/L	0.00
24) Chloroform-d	5.10	84	399793	86.67	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	255655	75.72	ug/L	0.00
32) Benzene-d6	5.76	84	774335	93.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	252350	92.65	ug/L	0.00
41) Toluene-d8	7.92	98	744033	93.54	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	141506	95.45	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	291174	206.49	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	384936	91.24	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	312345	92.37	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	254943	80.478	ug/L 100
3) Chloromethane	1.54	50	216248	83.467	ug/L 100
5) Vinyl chloride	1.62	62	213550	75.214	ug/L 100
6) Bromomethane	1.86	94	110486	101.377	ug/L 96
8) Chloroethane	1.94	64	117013	70.348	ug/L 99
9) Trichlorofluoromethane	2.15	101	285781	65.924	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	183647	90.708	ug/L 100
12) 1,1-Dichloroethene	2.60	96	183064	100.067	ug/L 96
13) Acetone	2.65	43	207431	115.152	ug/L 98
14) Carbon disulfide	2.82	76	614879	118.550	ug/L 100
15) Methyl Acetate	2.98	43	240544	84.900	ug/L 99
16) Methylene chloride	3.08	84	213573	93.531	ug/L 96
17) trans-1,2-Dichloroethene	3.38	96	196808	102.681	ug/L 97
18) Methyl tert-butyl Ether	3.40	73	658396	88.951	ug/L 99
19) 1,1-Dichloroethane	3.91	63	360066	83.955	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	218531	94.262	ug/L # 99
22) 2-Butanone	4.75	43	343331	150.695	ug/L 98
23) Bromochloromethane	5.01	128	114082	97.581	ug/L 95
25) Chloroform	5.13	83	375512	80.970	ug/L 98
27) 1,2-Dichloroethane	5.83	62	299332	72.439	ug/L 98
29) Cyclohexane	5.42	56	339748	95.082	ug/L 99
30) 1,1,1-Trichloroethane	5.35	97	346918	86.472	ug/L 99
31) Carbon tetrachloride	5.56	117	302754	85.409	ug/L 99
33) Benzene	5.81	78	815909	91.583	ug/L 100
34) Trichloroethene	6.57	95	217377	93.898	ug/L 99
35) Methylcyclohexane	6.79	83	341635	97.474	ug/L 99
37) 1,2-Dichloropropane	6.82	63	217212	85.775	ug/L 99
38) Bromodichloromethane	7.13	83	301057	85.035	ug/L 98
39) cis-1,3-Dichloropropene	7.63	75	371225	94.543	ug/L 100
40) 4-Methyl-2-pentanone	7.82	43	681301	165.272	ug/L # 100

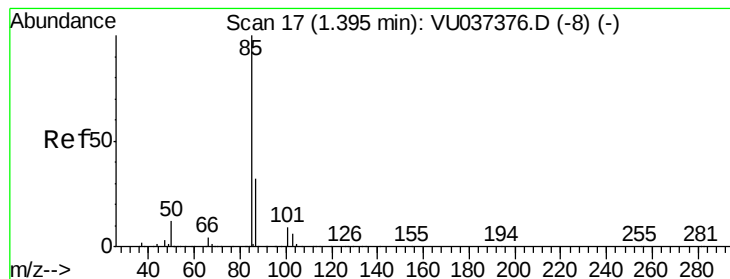
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032720\
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 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 00:42:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	894393	91.933	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	359366	96.934	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	211794	91.852	ug/L	98
46) Tetrachloroethene	8.57	164	178779	103.948	ug/L	95
48) 2-Hexanone	8.71	43	534920	164.661	ug/L	99
49) Dibromochloromethane	8.83	129	261307	96.327	ug/L	99
50) 1,2-Dibromoethane	8.95	107	243822	97.985	ug/L	99
51) Chlorobenzene	9.47	112	579300	94.683	ug/L	99
52) Ethylbenzene	9.59	91	1011970	89.833	ug/L	98
53) m,p-Xylene	9.71	106	391821	98.339	ug/L	97
54) o-xylene	10.12	106	382265	97.108	ug/L	97
55) Styrene	10.13	104	663671	99.416	ug/L	98
56) Isopropylbenzene	10.50	105	1011764	92.471	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	368699	87.600	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	304106	86.389	ug/L	100
61) Bromoform	10.31	173	229915	100.975	ug/L #	98
62) 1,3-Dichlorobenzene	11.76	146	490758	94.977	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	484457	92.765	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	483709	91.654	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	111178	95.553	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	391068	103.851	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	380998	129.570	ug/L	99
69) Naphthalene	14.11	128	1246063	279.423	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	380371	123.267	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 80.478 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

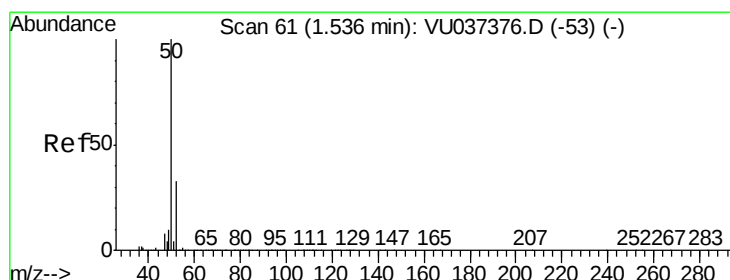
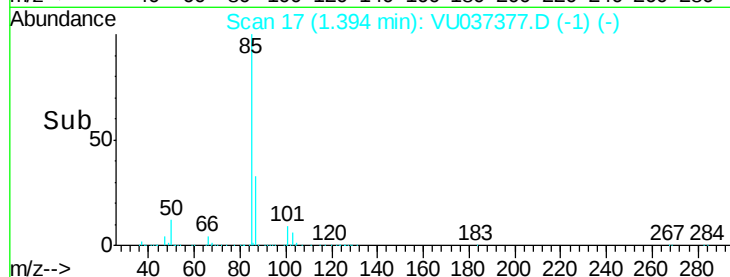
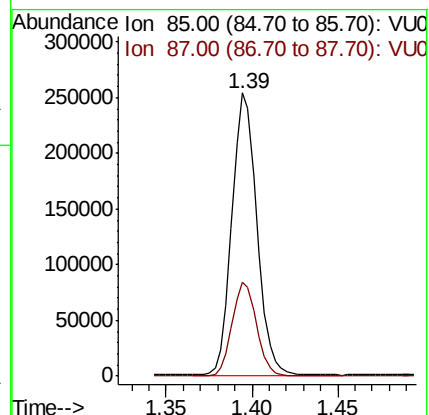
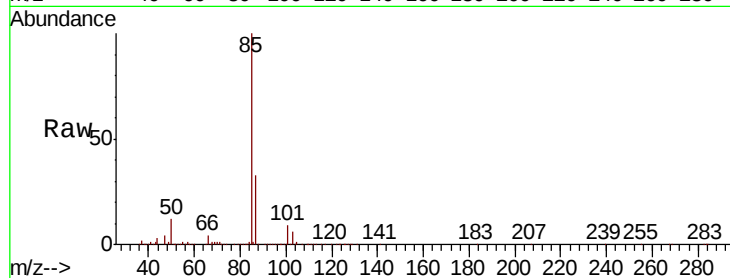
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 254943

Ion Ratio Lower Upper

85 100

87 32.9 26.1 39.1



#3

Chloromethane

Concen: 83.467 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037377.D

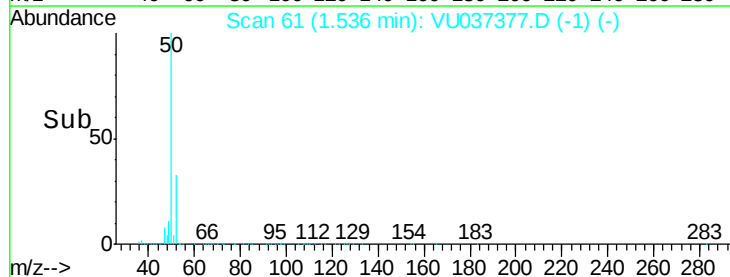
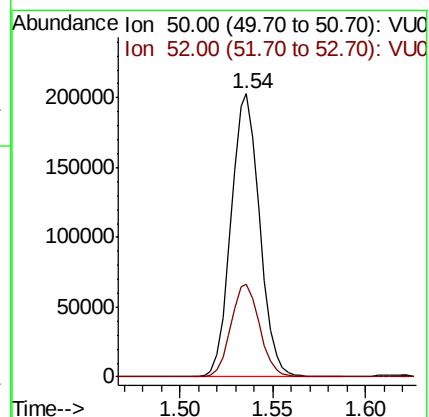
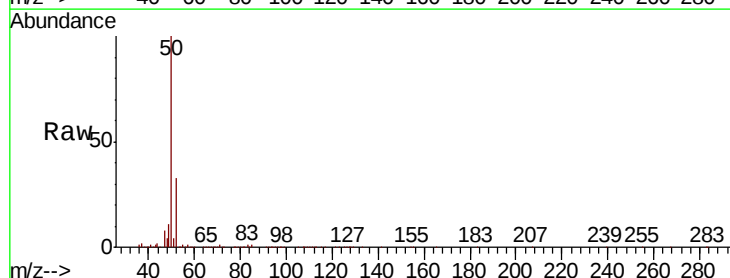
Acq: 27 Mar 2020 17:35

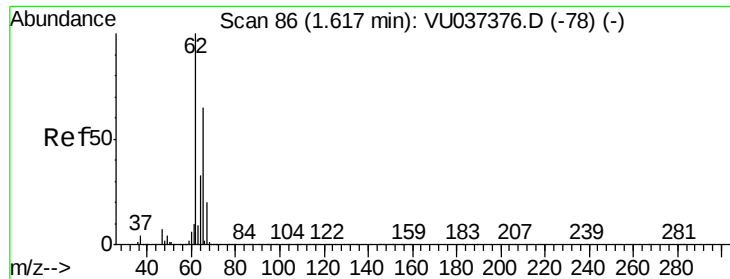
Tgt Ion: 50 Resp: 216248

Ion Ratio Lower Upper

50 100

52 32.9 23.2 43.2





#5

Vinyl chloride

Concen: 75.214 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

Instrument :

MSVOA_U

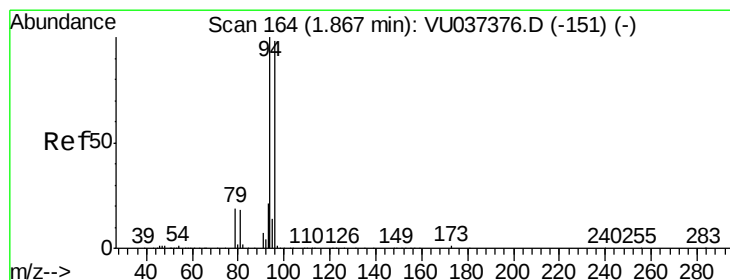
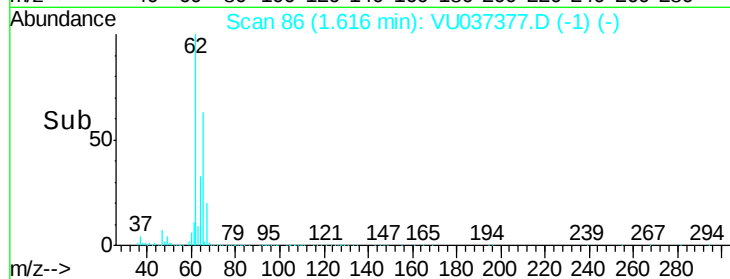
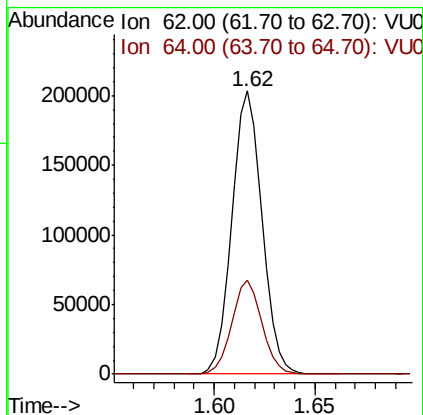
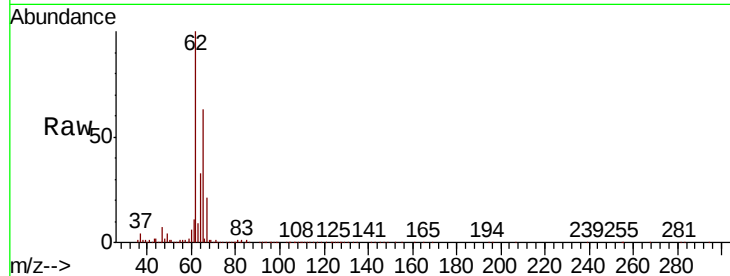
ClientSampleId :

Tot Ion: 62 Resp: 213550

Ion Ratio Lower Upper

62 100

64 33.0 23.0 42.8



#6

Bromomethane

Concen: 101.377 ug/L

RT: 1.86 min Scan# 162

Delta R.T. -0.01 min

Lab File: VU037377.D

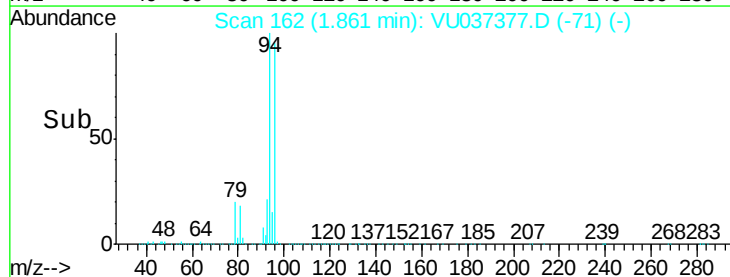
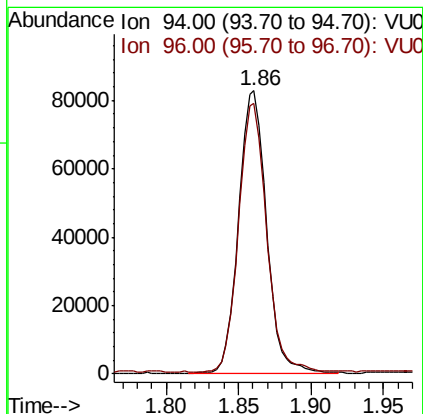
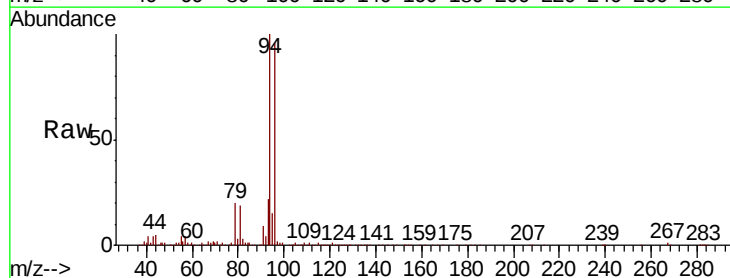
Acq: 27 Mar 2020 17:35

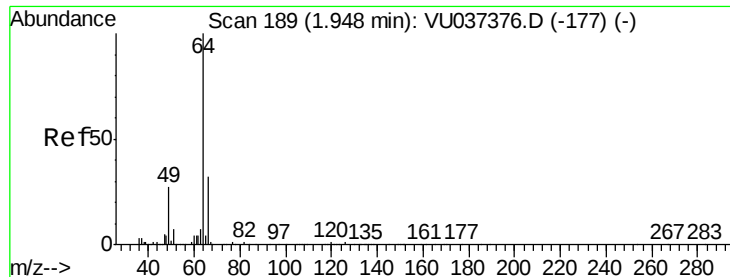
Tgt Ion: 94 Resp: 110486

Ion Ratio Lower Upper

94 100

96 95.7 69.9 129.7

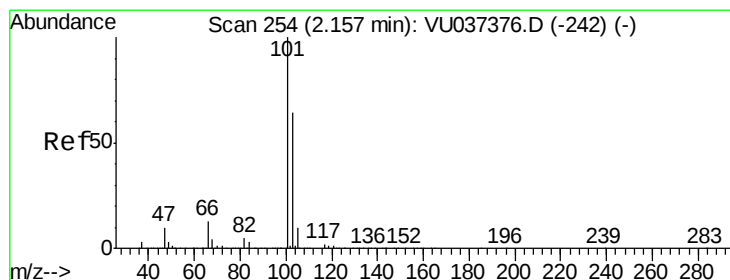
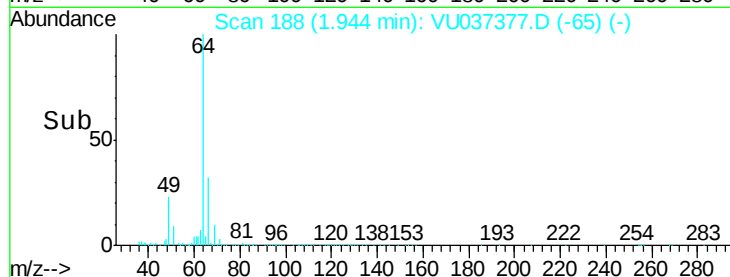
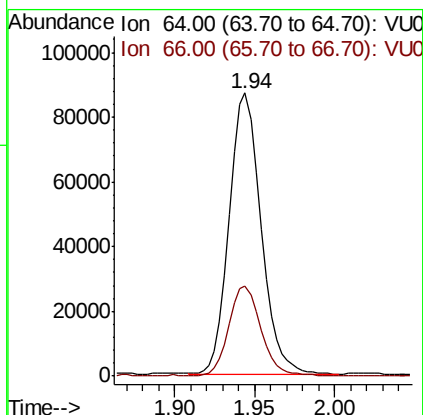
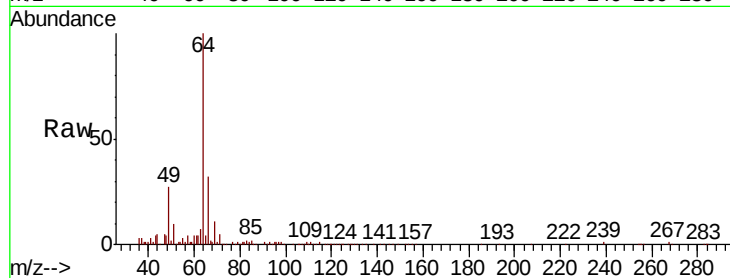




#8
Chloroethane
Concen: 70.348 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU037377.D
Acq: 27 Mar 2020 17:35

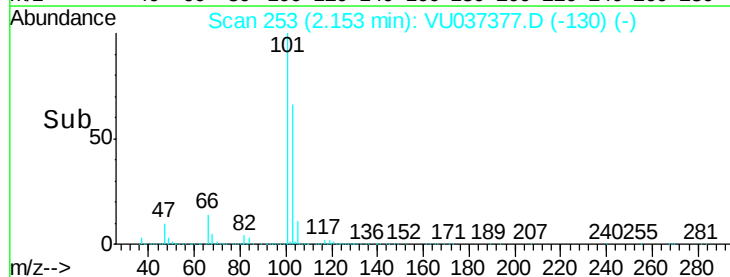
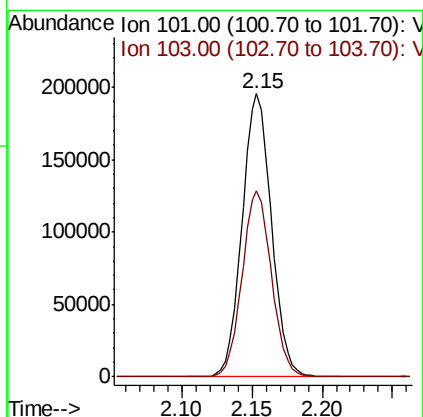
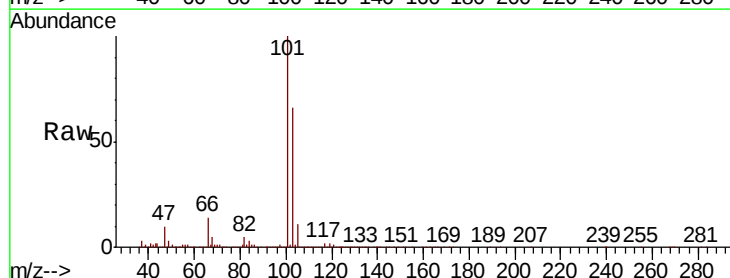
Instrument :
MSVOA_U
ClientSampleId :

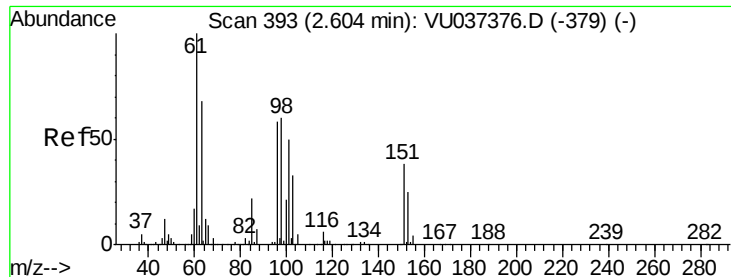
Tot Ion: 64 Resp: 117013
Ion Ratio Lower Upper
64 100
66 31.8 22.8 42.4



#9
Trichlorofluoromethane
Concen: 65.924 ug/L
RT: 2.15 min Scan# 253
Delta R.T. -0.00 min
Lab File: VU037377.D
Acq: 27 Mar 2020 17:35

Tgt Ion: 101 Resp: 285781
Ion Ratio Lower Upper
101 100
103 65.7 51.8 77.8





#10

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

Concen: 90.708 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

Instrument :

MSVOA_U

ClientSampleId :

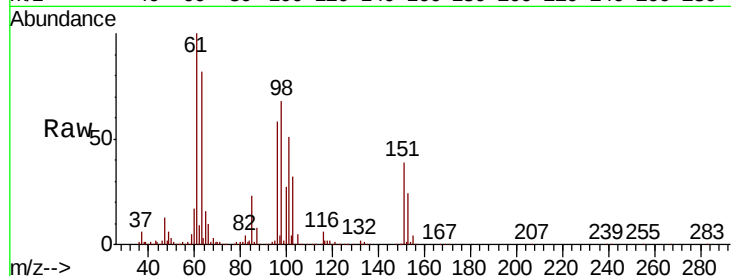
Tot Ion:101 Resp: 183647

Ion Ratio Lower Upper

101 100

85 44.3 35.6 53.4

151 75.7 60.2 90.4



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

120000

100000

80000

60000

40000

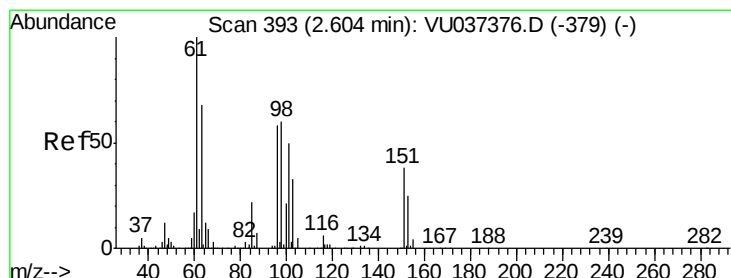
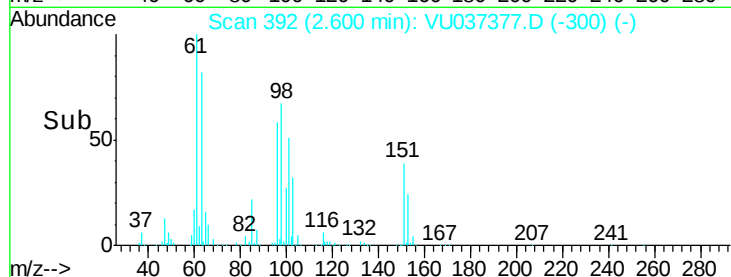
20000

0

2.60

2.50 2.55 2.60 2.65 2.70

Time-->



#12

1,1-Dichloroethene

Concen: 100.067 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

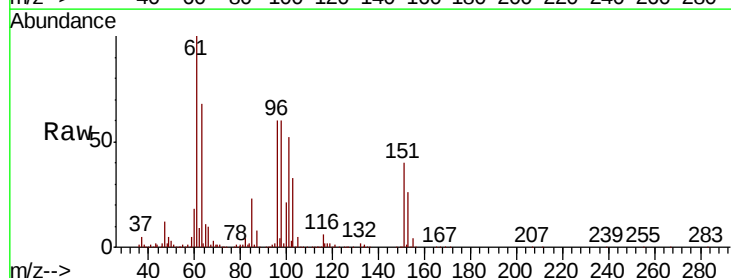
Tgt Ion: 96 Resp: 183064

Ion Ratio Lower Upper

96 100

61 167.5 120.0 222.8

63 113.1 83.3 154.7



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

250000

200000

150000

100000

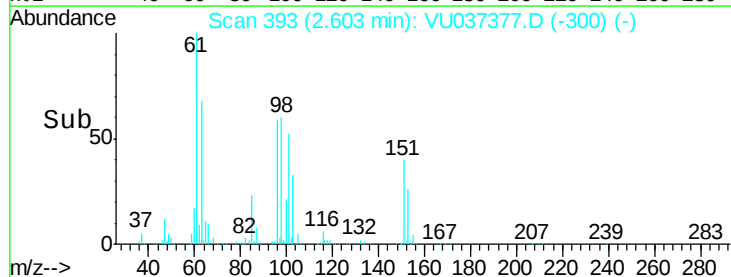
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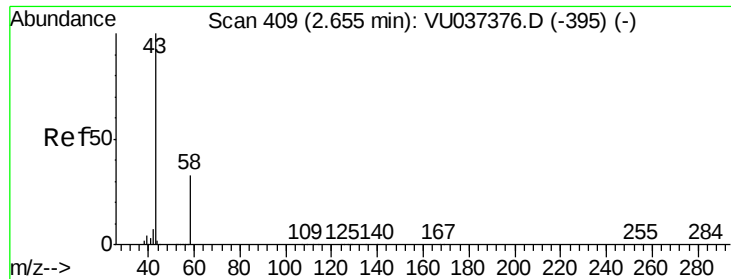
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2.60

2.55 2.60 2.65

Time-->

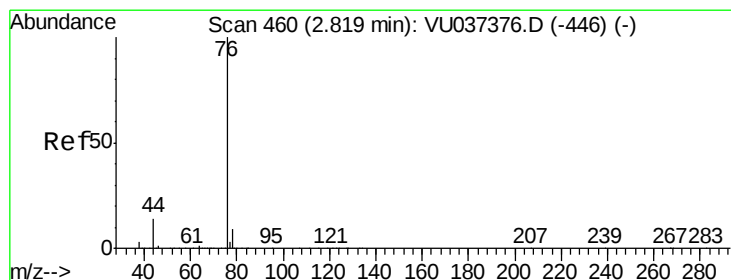
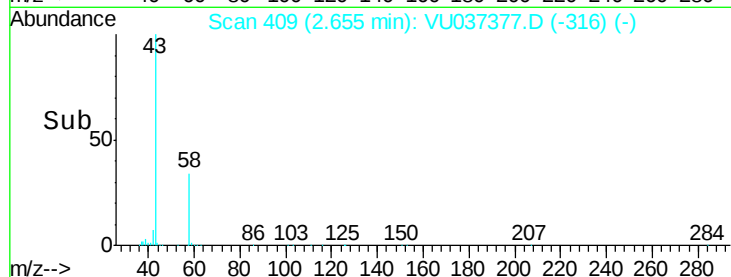
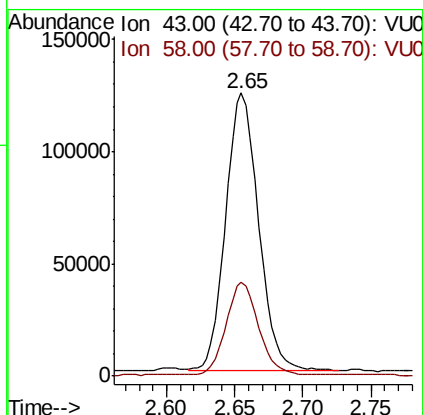
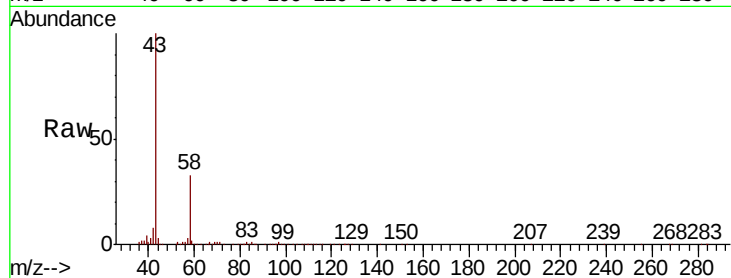




#13
Acetone
Concen: 115.152 ug/L
RT: 2.65 min Scan# 409
Delta R.T. -0.00 min
Lab File: VU037377.D
Acq: 27 Mar 2020 17:35

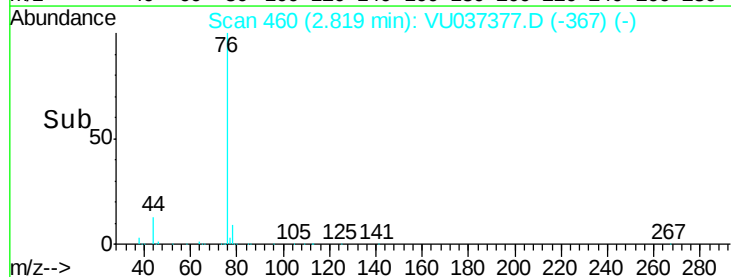
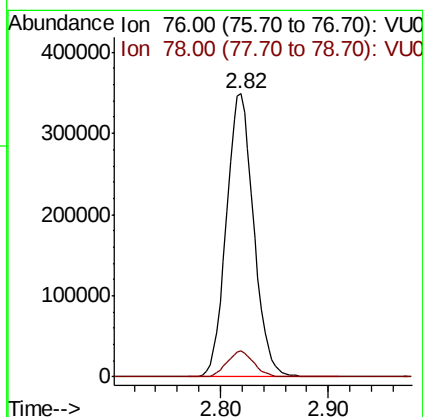
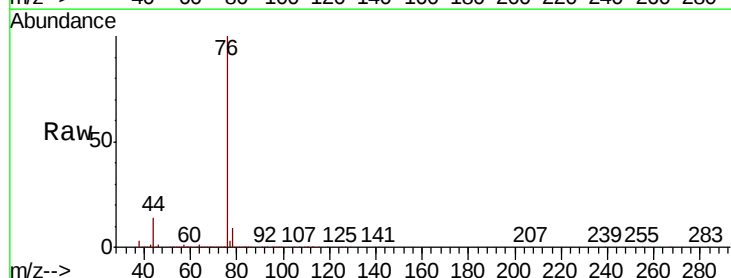
Instrument :
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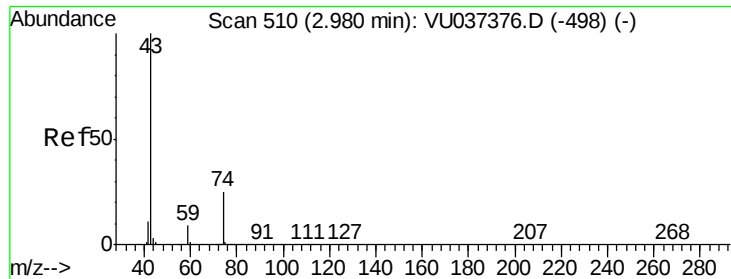
Tot Ion: 43 Resp: 207431
Ion Ratio Lower Upper
43 100
58 32.5 0.0 62.8



#14
Carbon disulfide
Concen: 118.550 ug/L
RT: 2.82 min Scan# 460
Delta R.T. -0.00 min
Lab File: VU037377.D
Acq: 27 Mar 2020 17:35

Tgt Ion: 76 Resp: 614879
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2

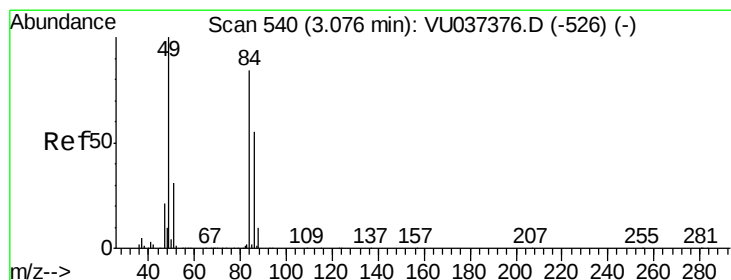
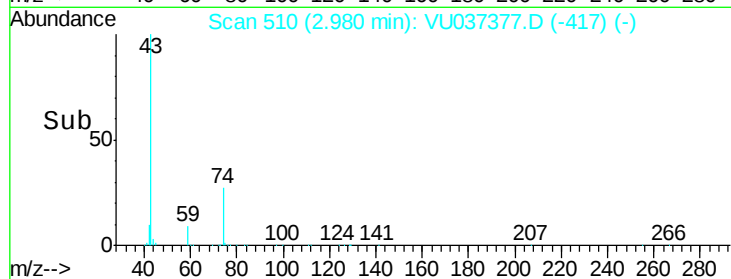
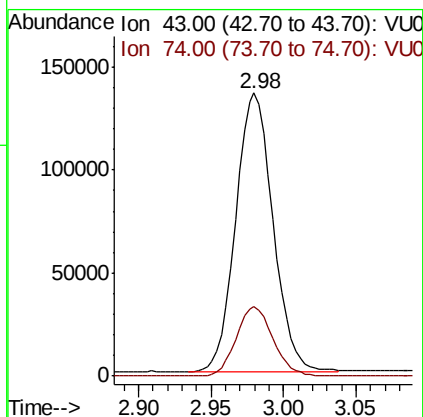
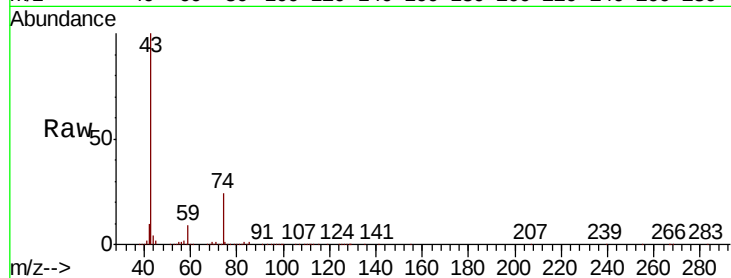




#15
Methyl Acetate
Concen: 84.900 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU037377.D
Acq: 27 Mar 2020 17:35

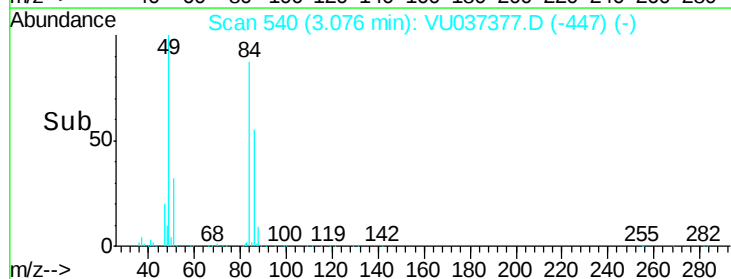
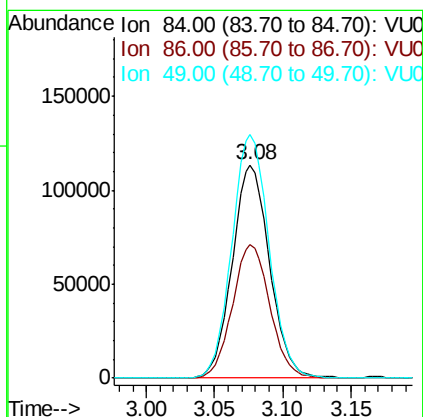
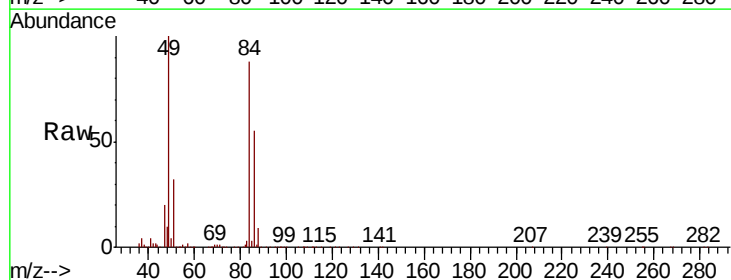
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MSVOA_U
ClientSampleId :

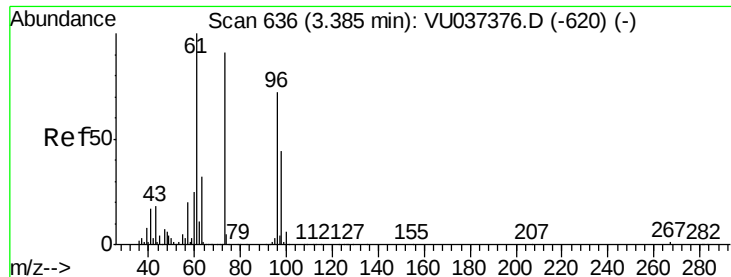
Tot Ion: 43 Resp: 240544
Ion Ratio Lower Upper
43 100
74 24.8 20.1 30.1



#16
Methylene chloride
Concen: 93.531 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037377.D
Acq: 27 Mar 2020 17:35

Tgt Ion: 84 Resp: 213573
Ion Ratio Lower Upper
84 100
86 62.7 45.9 85.3
49 114.1 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 102.681 ug/L

RT: 3.38 min Scan# 636

Delta R.T. -0.00 min

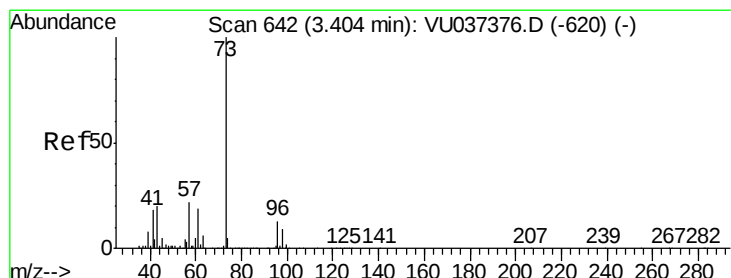
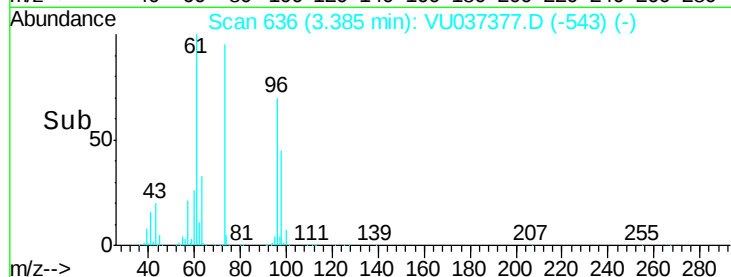
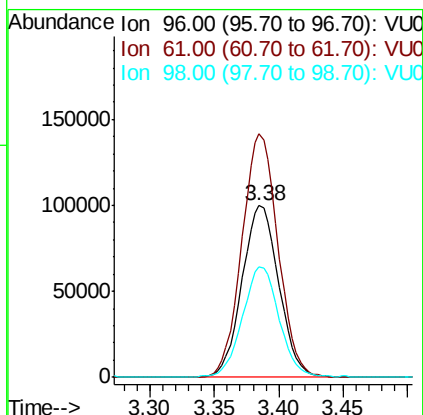
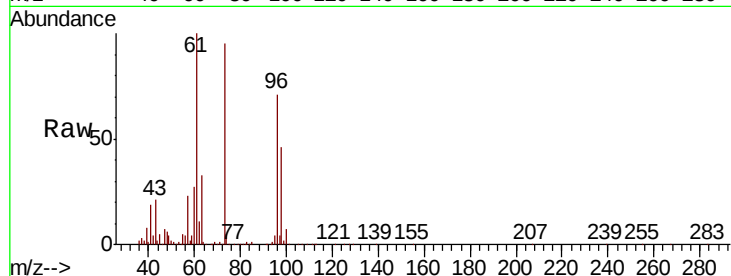
Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 196808

Ion	Ratio	Lower	Upper
96	100		
61	141.7	96.6	179.4
98	64.5	43.4	80.6



#18

Methyl tert-butyl Ether

Concen: 88.951 ug/L

RT: 3.40 min Scan# 642

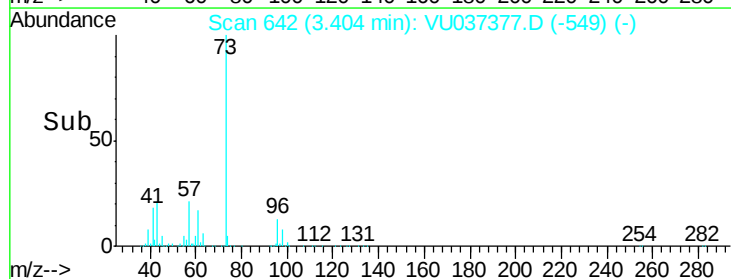
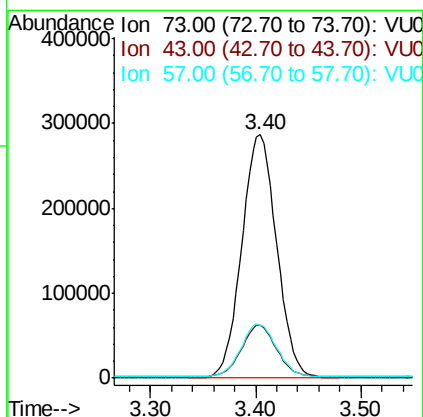
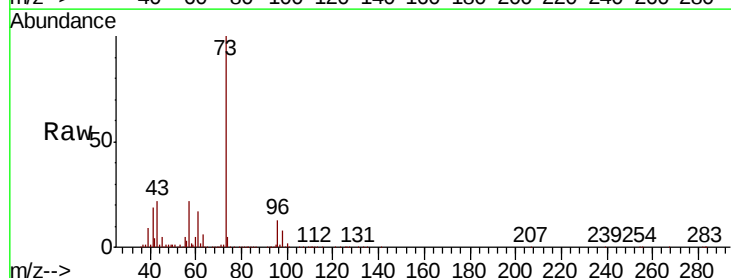
Delta R.T. -0.00 min

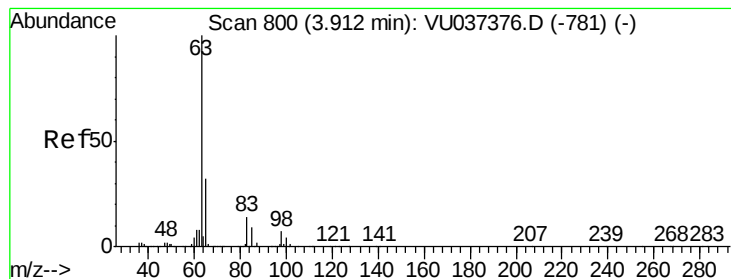
Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

Tgt Ion: 73 Resp: 658396

Ion	Ratio	Lower	Upper
73	100		
43	20.8	16.2	24.4
57	22.0	17.3	25.9





#19

1,1-Dichloroethane

Concen: 83.955 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

Instrument :

MSVOA_U

ClientSampleId :

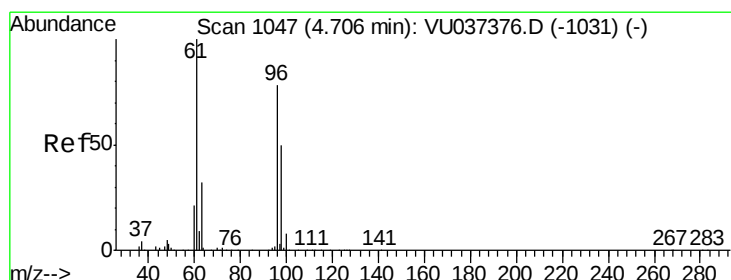
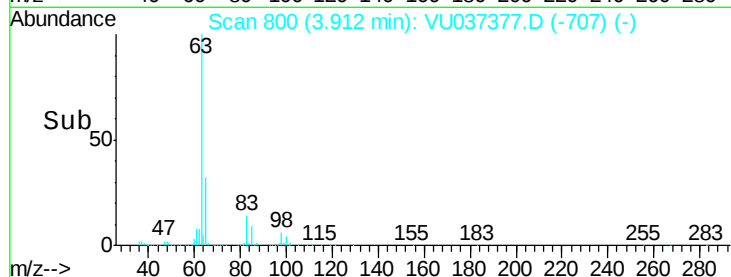
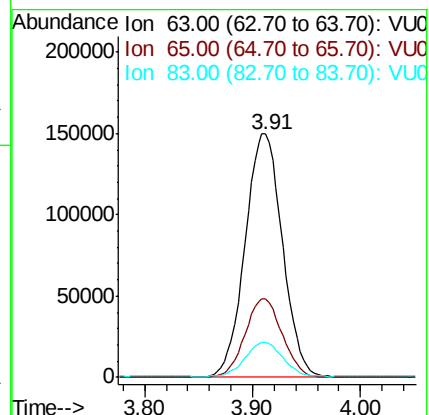
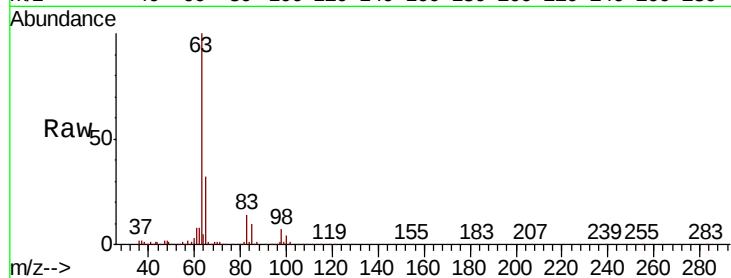
Tot Ion: 63 Resp: 360066

Ion Ratio Lower Upper

63 100

65 32.1 22.4 41.6

83 14.4 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 94.262 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

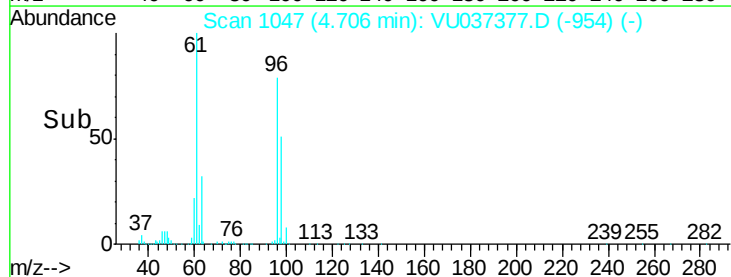
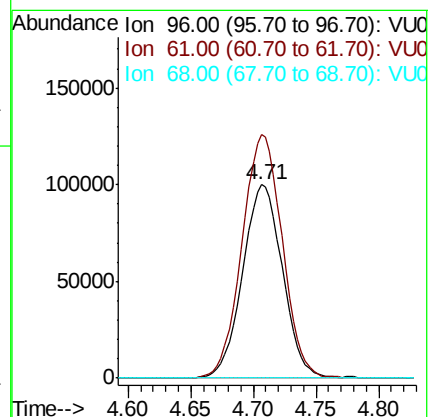
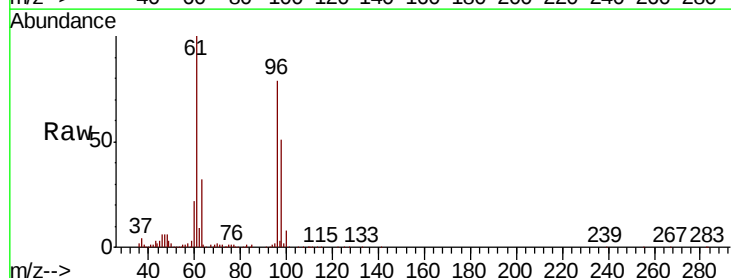
Tgt Ion: 96 Resp: 218531

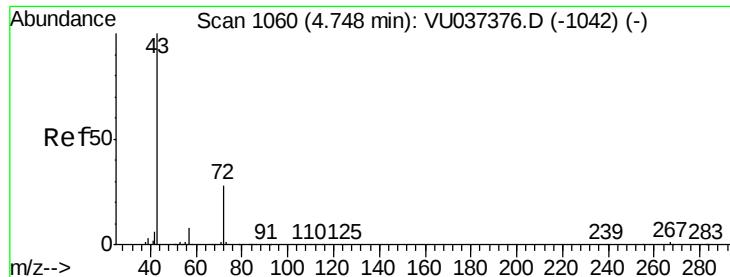
Ion Ratio Lower Upper

96 100

61 126.1 89.4 166.0

68 0.3 0.3 0.7#





#22

2-Butanone

Concen: 150.695 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. -0.00 min

Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

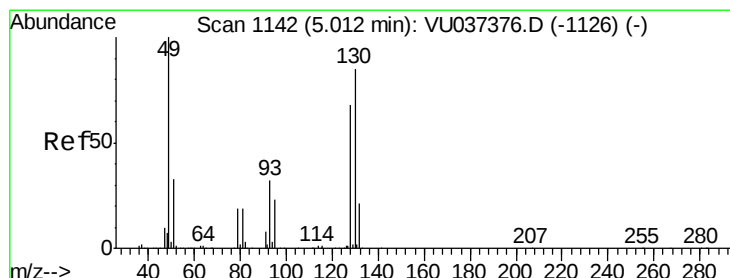
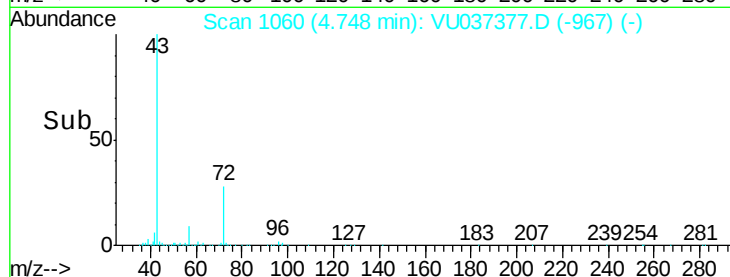
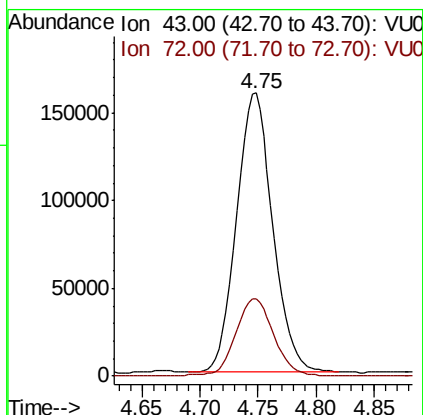
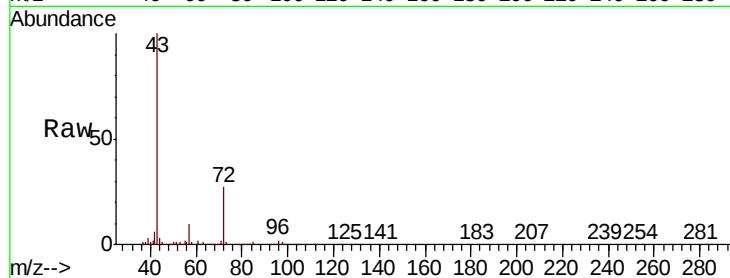
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 343331

Ion Ratio Lower Upper

43 100

72 29.0 14.1 42.2



#23

Bromochloromethane

Concen: 97.581 ug/L

RT: 5.01 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

Tgt Ion: 128 Resp: 114082

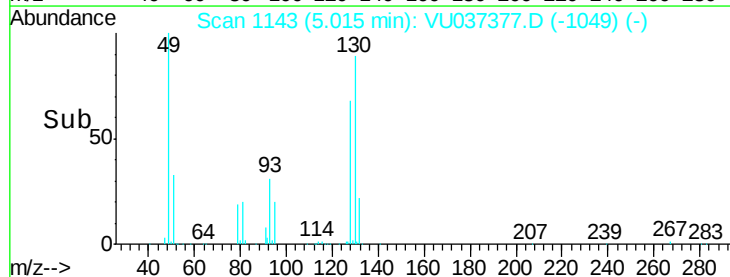
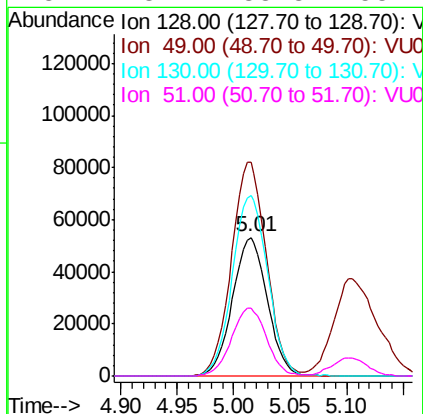
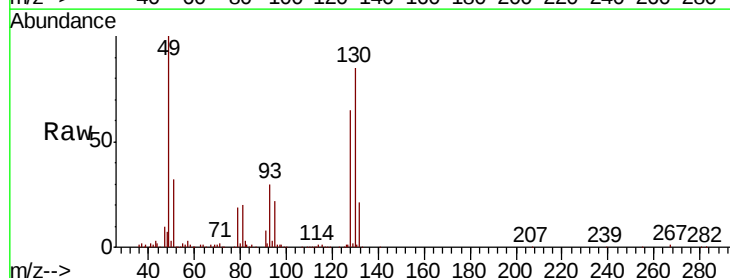
Ion Ratio Lower Upper

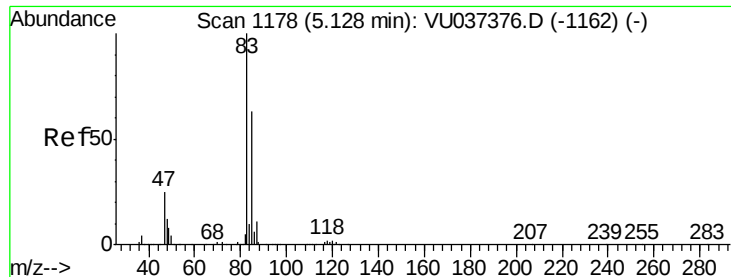
128 100

49 153.9 102.6 190.6

130 130.2 86.7 161.1

51 48.7 38.8 58.2

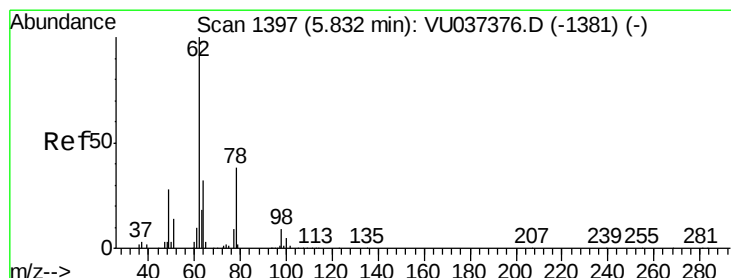
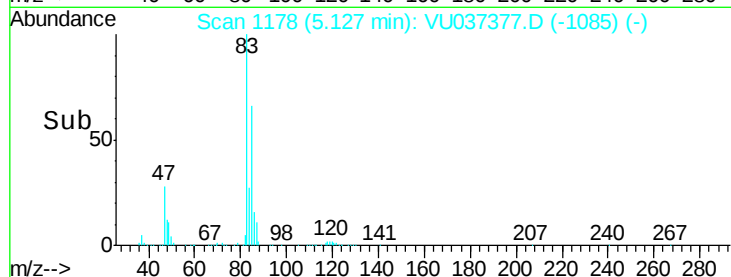
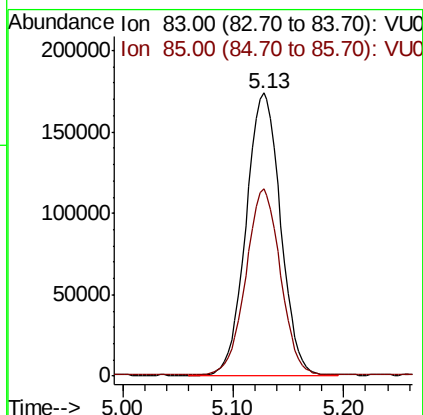
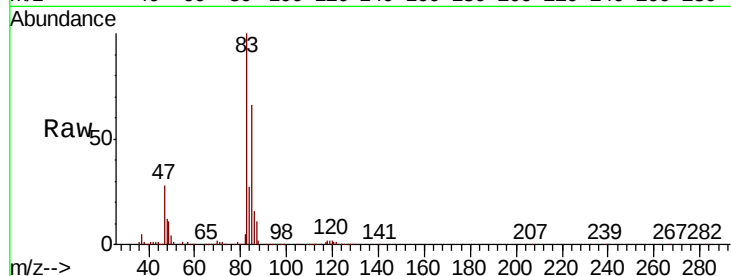




#25
Chloroform
Concen: 80.970 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037377.D
Acq: 27 Mar 2020 17:35

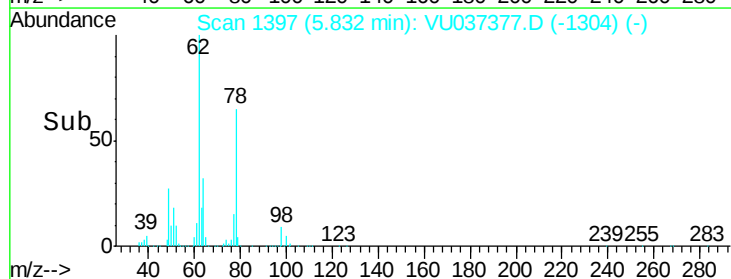
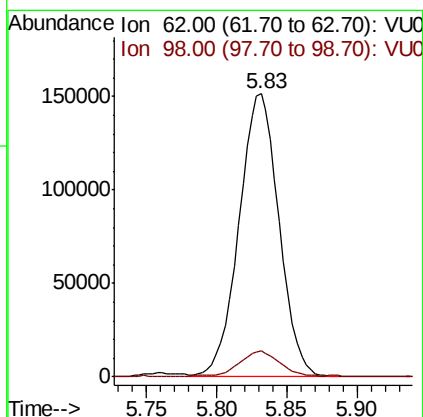
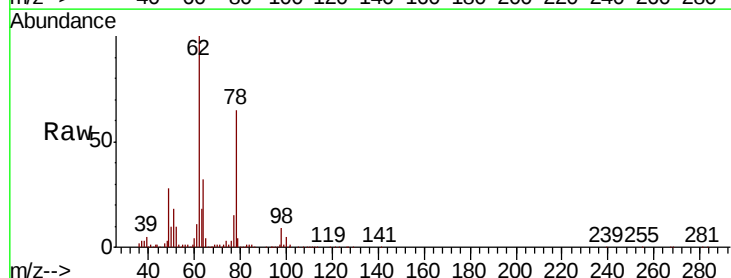
Instrument :
MSVOA_U
ClientSampleId :

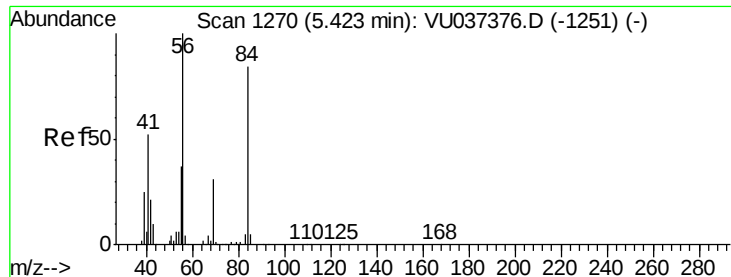
Tot Ion: 83 Resp: 375512
Ion Ratio Lower Upper
83 100
85 66.3 45.1 83.7



#27
1,2-Dichloroethane
Concen: 72.439 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU037377.D
Acq: 27 Mar 2020 17:35

Tgt Ion: 62 Resp: 299332
Ion Ratio Lower Upper
62 100
98 9.0 7.7 11.5

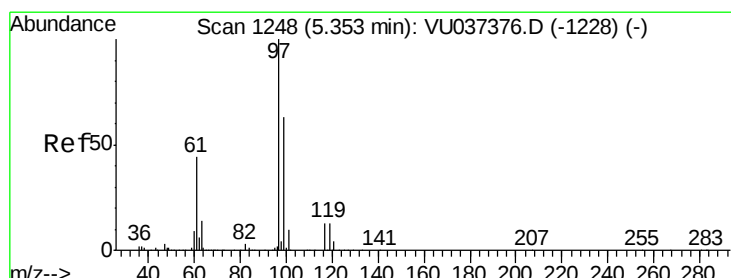
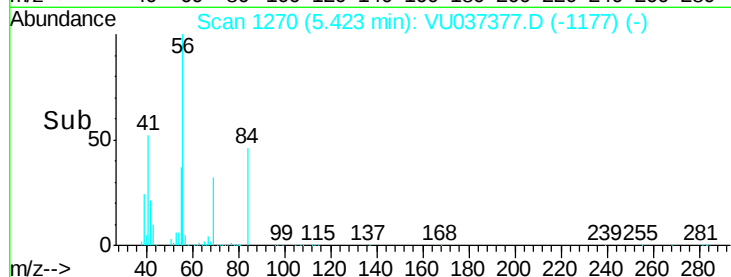
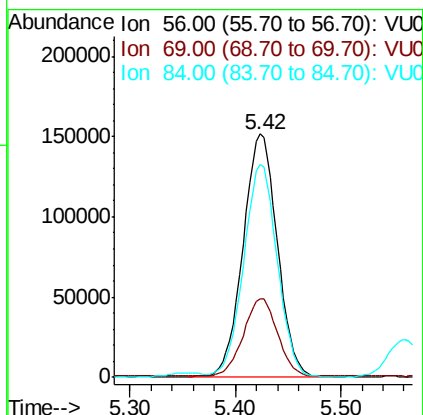
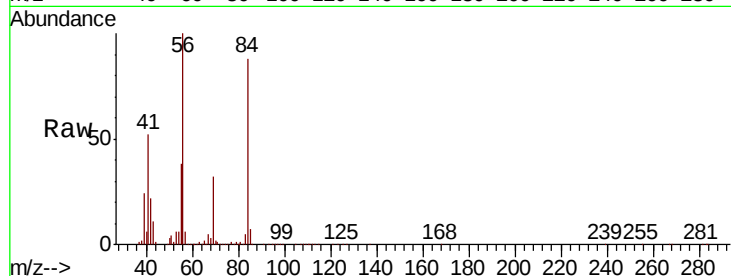




#29
Cyclohexane
Concen: 95.082 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU037377.D
Acq: 27 Mar 2020 17:35

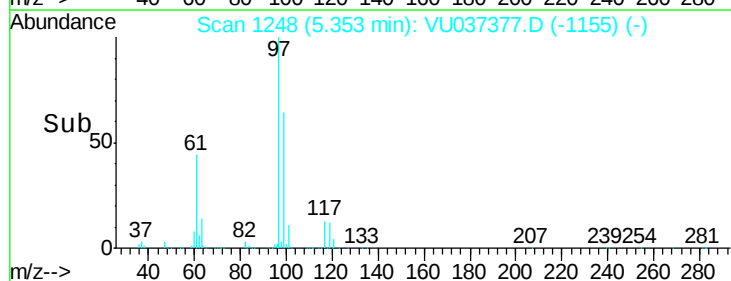
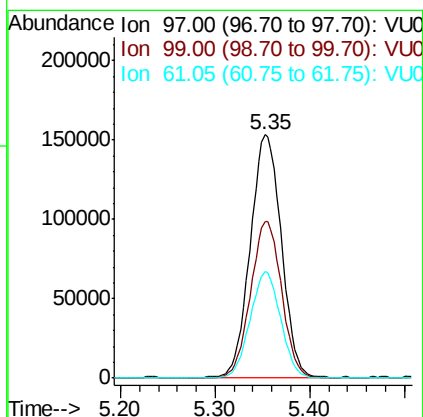
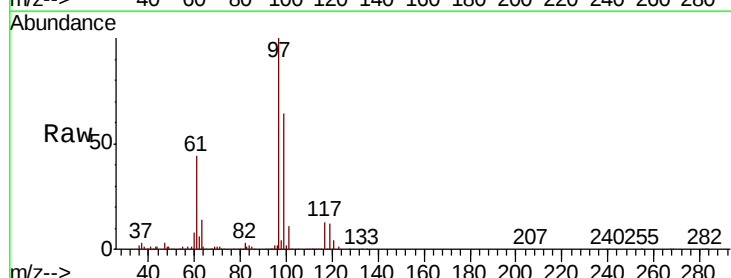
Instrument :
MSVOA_U
ClientSampleId :

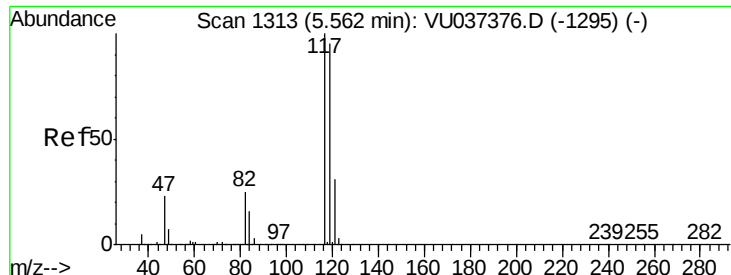
Tot Ion: 56 Resp: 339748
Ion Ratio Lower Upper
56 100
69 32.0 25.8 38.6
84 86.4 70.1 105.1



#30
1,1,1-Trichloroethane
Concen: 86.472 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037377.D
Acq: 27 Mar 2020 17:35

Tgt Ion: 97 Resp: 346918
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.0
61 43.2 35.1 52.7

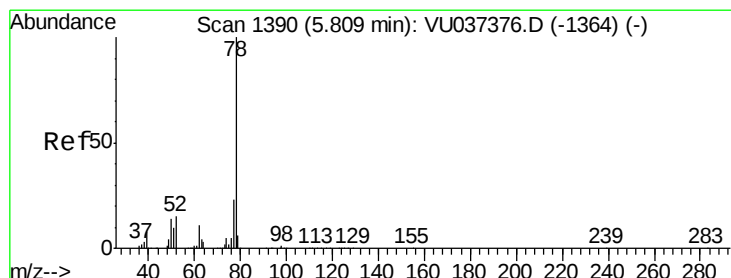
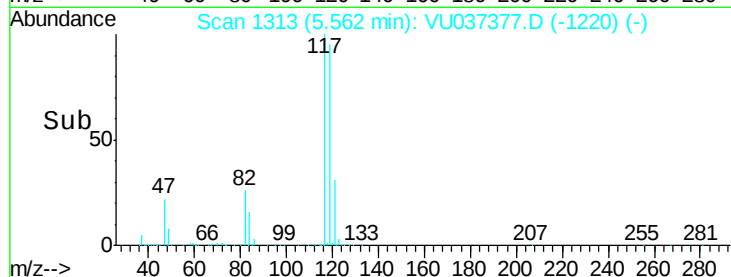
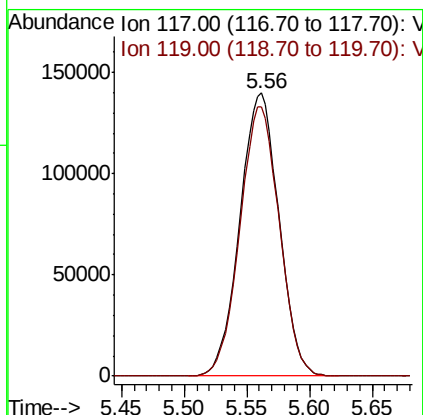
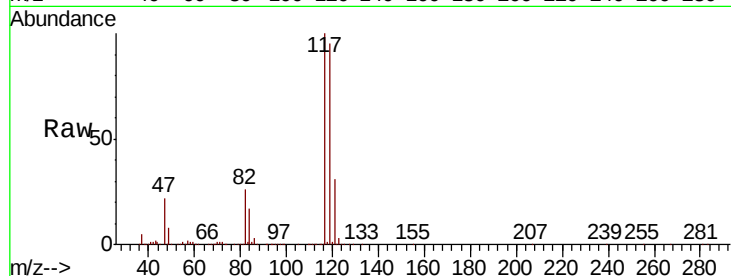




#31
Carbon tetrachloride
Concen: 85.409 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. -0.00 min
Lab File: VU037377.D
Acq: 27 Mar 2020 17:35

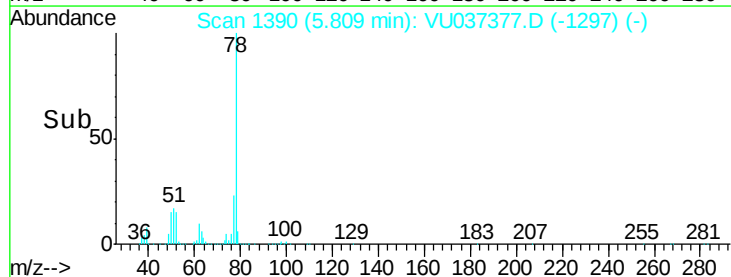
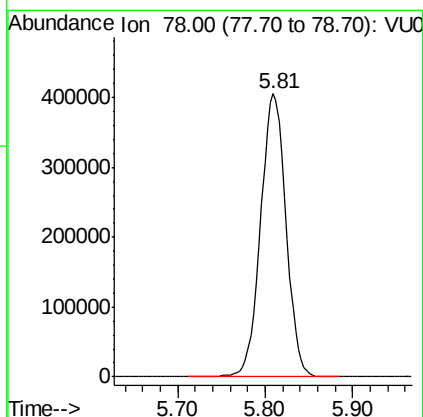
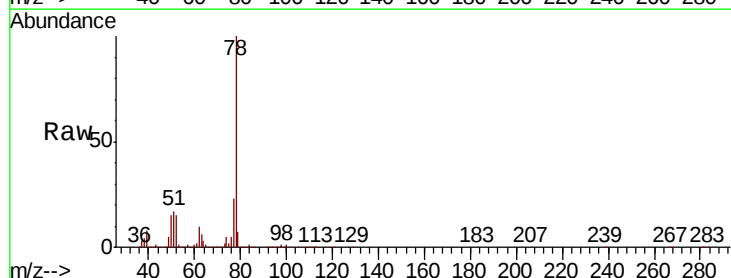
Instrument :
MSVOA_U
ClientSampleId :

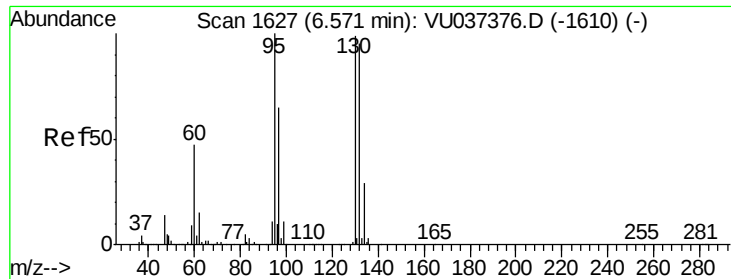
Tot Ion:117 Resp: 302754
Ion Ratio Lower Upper
117 100
119 96.1 77.7 116.5



#33
Benzene
Concen: 91.583 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU037377.D
Acq: 27 Mar 2020 17:35

Tgt Ion: 78 Resp: 815909

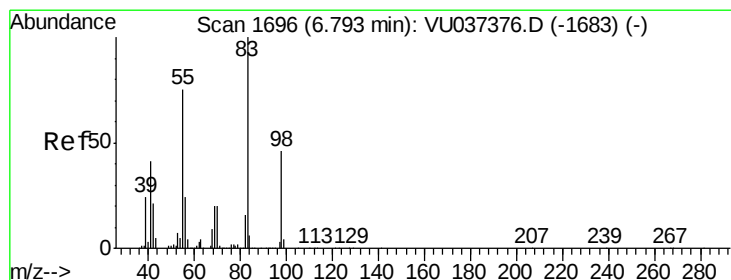
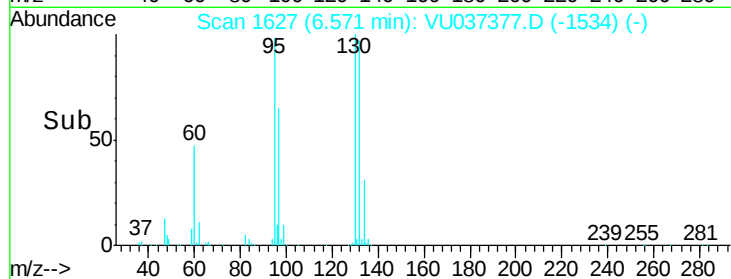
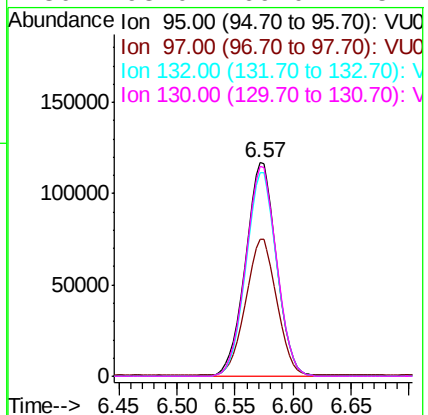
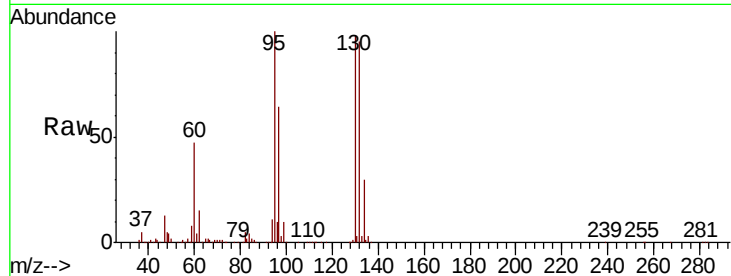




#34
 Trichloroethene
 Concen: 93.898 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037377.D
 Acq: 27 Mar 2020 17:35

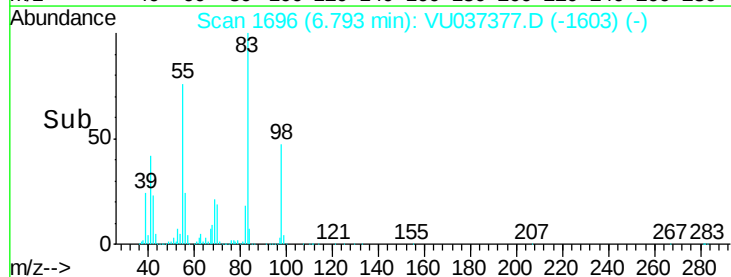
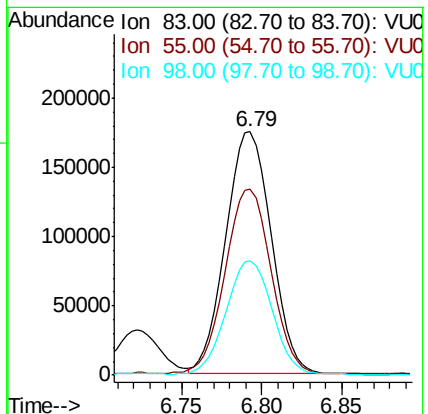
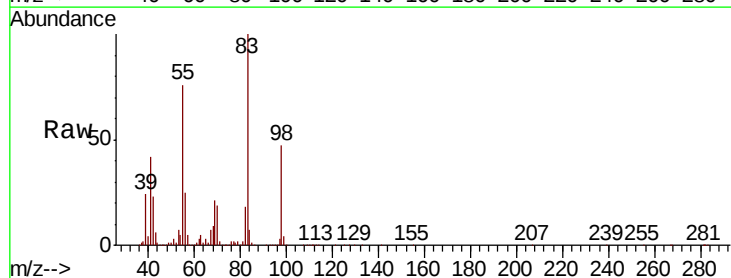
Instrument :
 MSVOA_U
 ClientSampleId :

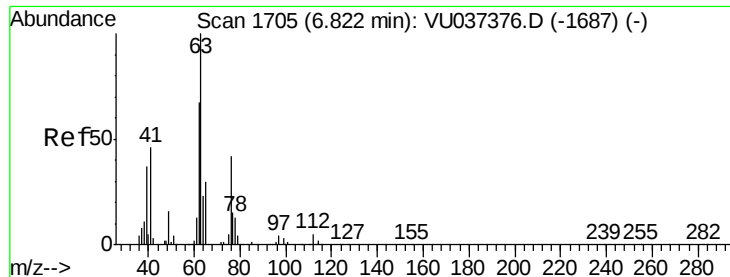
Tot Ion:	95	Resp:	217377
Ion	Ratio	Lower	Upper
95	100		
97	64.3	46.1	85.5
132	95.4	66.3	123.1
130	98.0	69.0	128.1



#35
 Methylcyclohexane
 Concen: 97.474 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. -0.00 min
 Lab File: VU037377.D
 Acq: 27 Mar 2020 17:35

Tgt Ion:	83	Resp:	341635
Ion	Ratio	Lower	Upper
83	100		
55	76.0	60.1	90.1
98	47.0	36.9	55.3





#37

1,2-Dichloropropane

Concen: 85.775 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

Instrument :

MSVOA_U

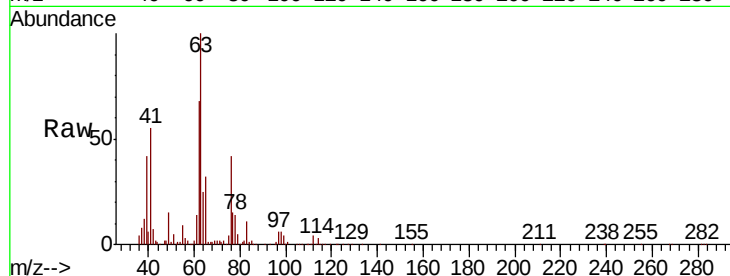
ClientSampleId :

Tot Ion: 63 Resp: 217212

Ion Ratio Lower Upper

63 100

112 3.9 3.4 5.0



Abundance Ion 63.00 (62.70 to 63.70): VU037377.D (-1612) (-)

Ion 112.00 (111.70 to 112.70): VU037377.D (-1612) (-)

6.82

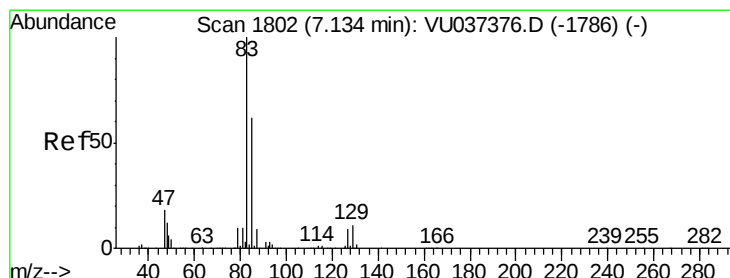
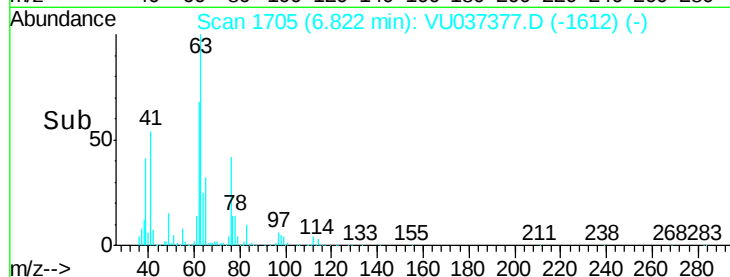
100000

50000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 85.035 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

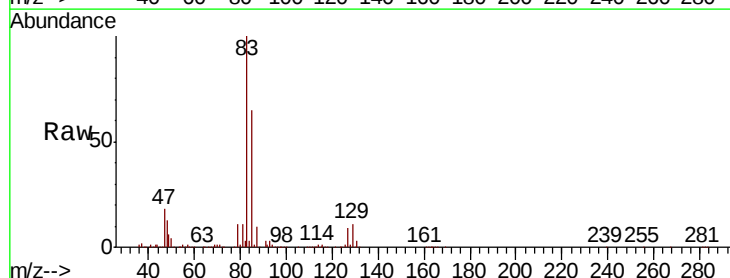
Tgt Ion: 83 Resp: 301057

Ion Ratio Lower Upper

83 100

85 65.0 44.2 82.2

127 9.2 7.8 11.6



Abundance Ion 83.00 (82.70 to 83.70): VU037377.D (-1709) (-)

Ion 85.00 (84.70 to 85.70): VU037377.D (-1709) (-)

Ion 127.00 (126.70 to 127.70): VU037377.D (-1709) (-)

7.13

200000

150000

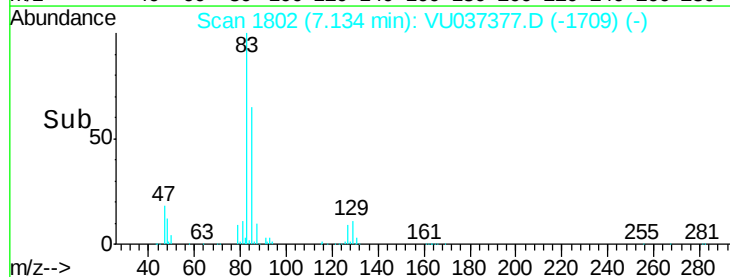
100000

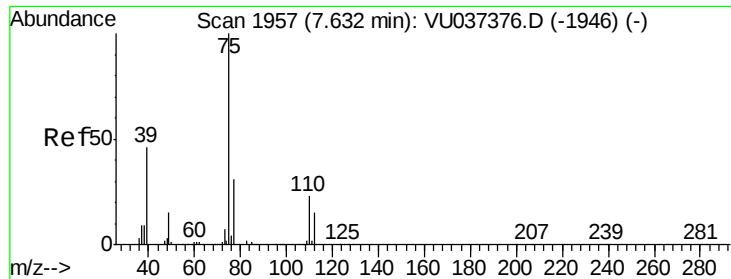
50000

0

7.05 7.10 7.15 7.20

Time-->

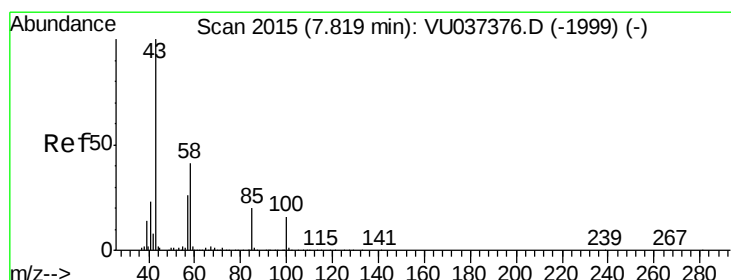
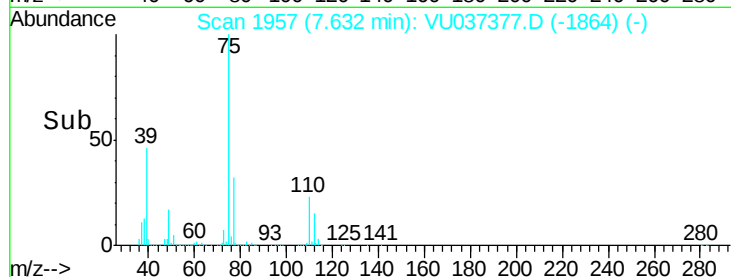
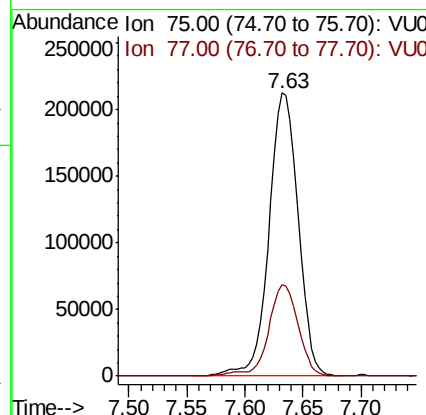
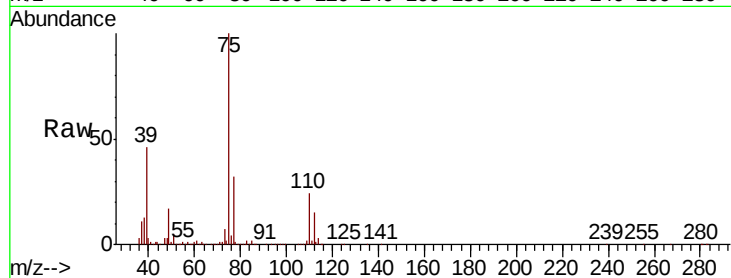




#39
 cis-1,3-Dichloropropene
 Concen: 94.543 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU037377.D
 Acq: 27 Mar 2020 17:35

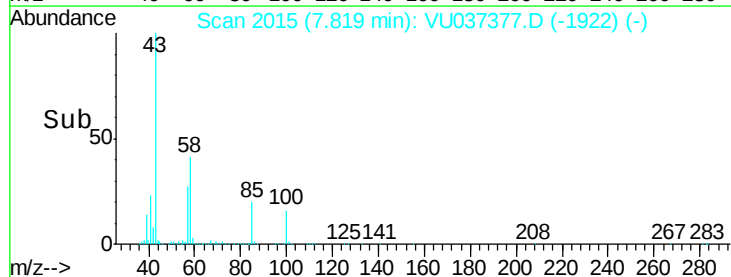
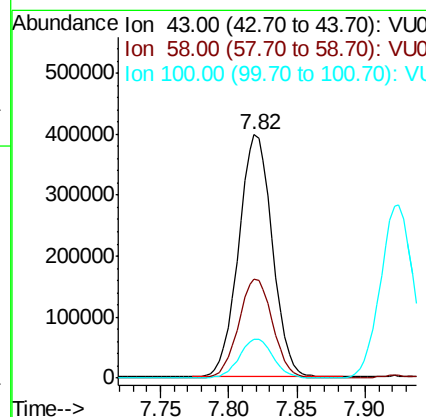
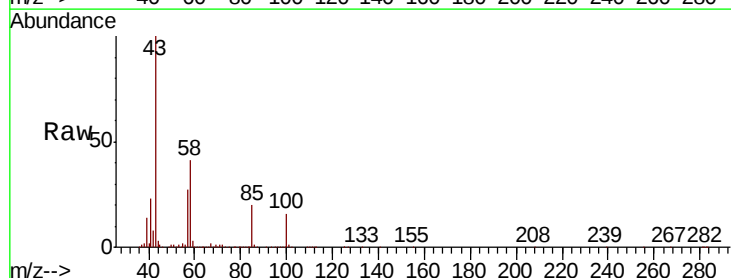
Instrument :
 MSVOA_U
 ClientSampleId :

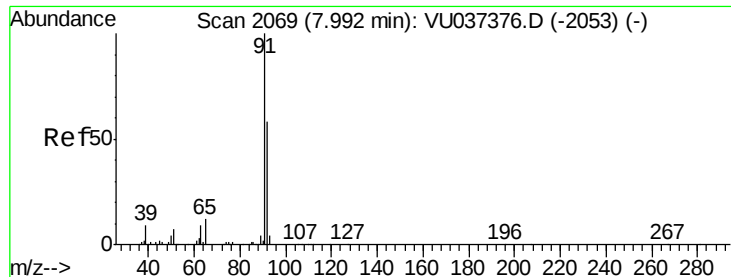
Tot Ion: 75 Resp: 371225
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 165.272 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU037377.D
 Acq: 27 Mar 2020 17:35

Tgt Ion: 43 Resp: 681301
 Ion Ratio Lower Upper
 43 100
 58 41.3 0.0 0.0#
 100 16.3 0.0 0.0#





#42

Toluene

Concen: 91.933 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

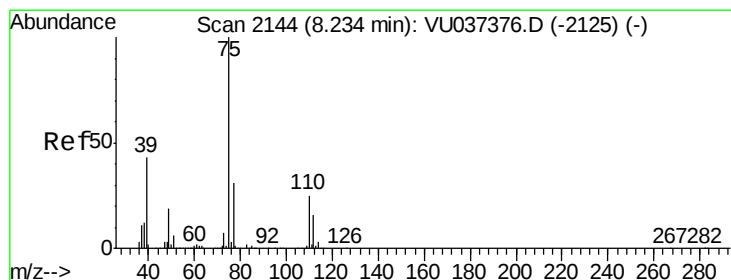
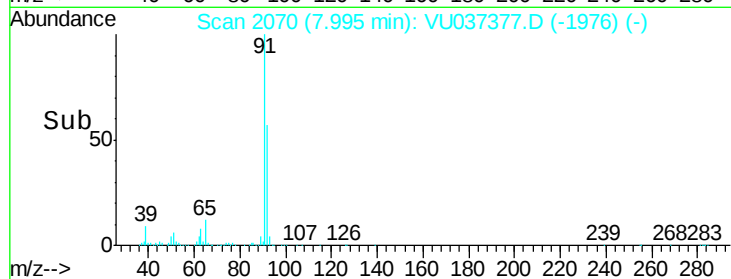
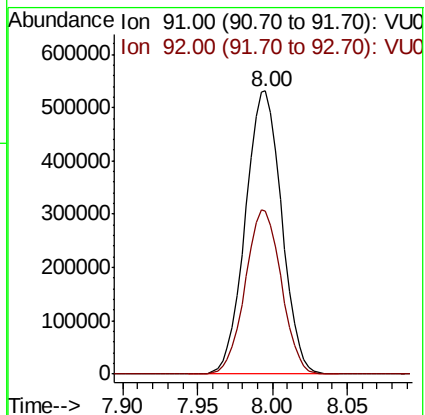
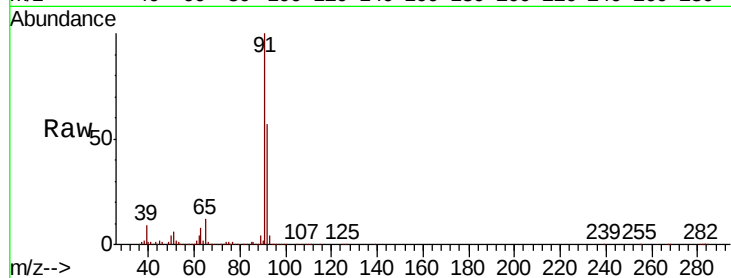
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 894393

Ion Ratio Lower Upper

91 100

92 57.5 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 96.934 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037377.D

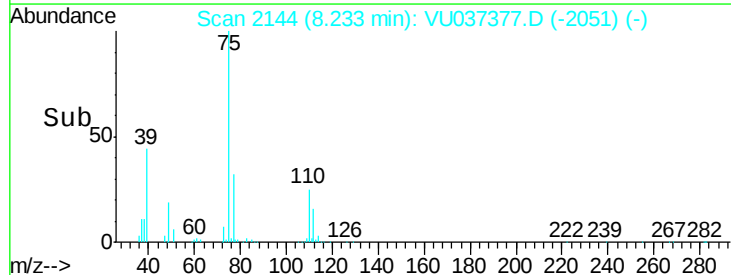
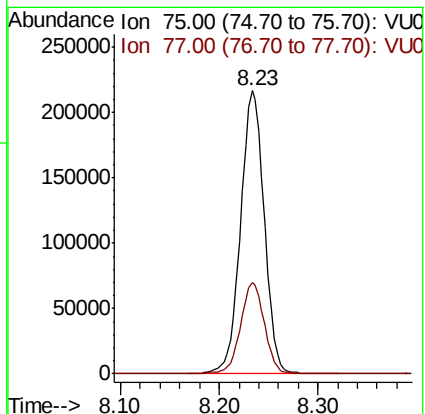
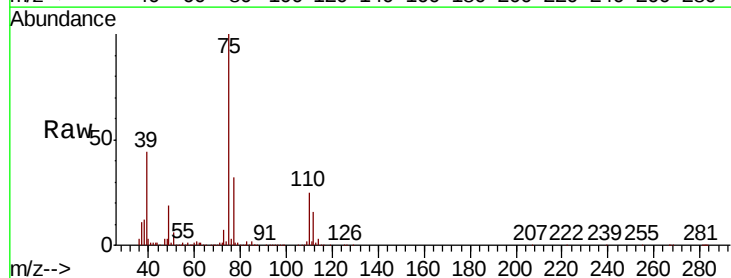
Acq: 27 Mar 2020 17:35

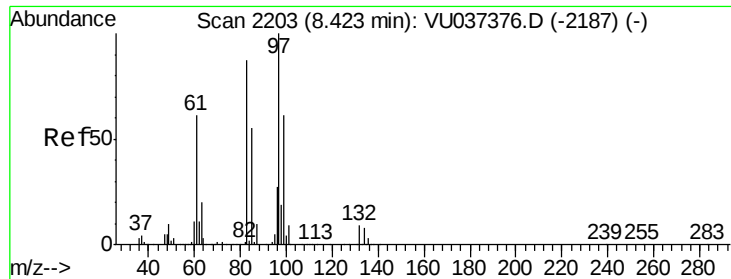
Tgt Ion: 75 Resp: 359366

Ion Ratio Lower Upper

75 100

77 32.3 21.9 40.7

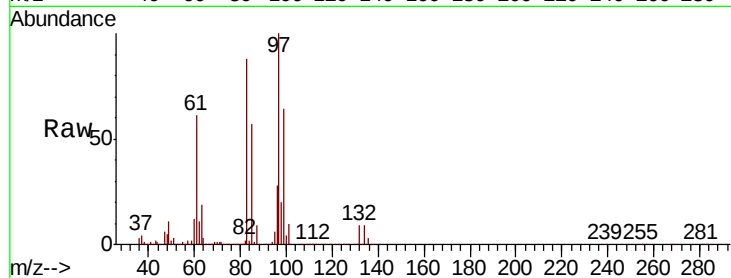




#45
1,1,2-Trichloroethane
Concen: 91.852 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VU037377.D
Acq: 27 Mar 2020 17:35

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	211794
Ion	Ratio	Lower	Upper
97	100		
99	64.1	42.4	78.6
83	88.2	61.3	113.9
85	57.5	39.3	73.1



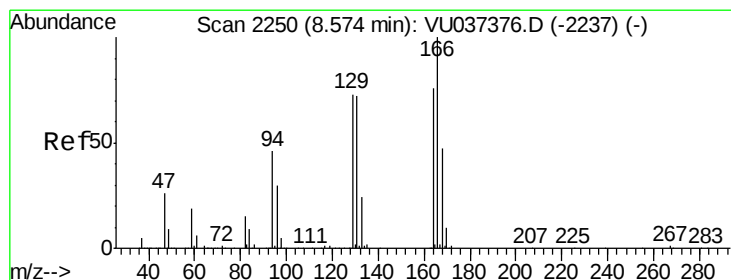
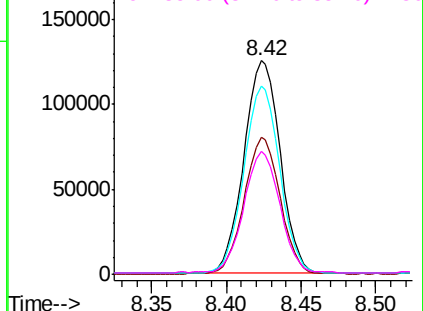
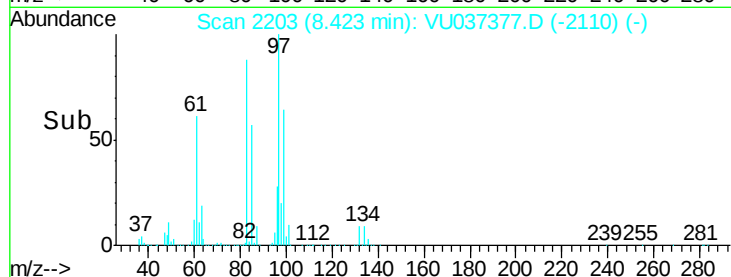
Abundance

Ion 97.00 (96.70 to 97.70): VU037377.D (-2110) (-)

Ion 99.00 (98.70 to 99.70): VU037377.D (-2110) (-)

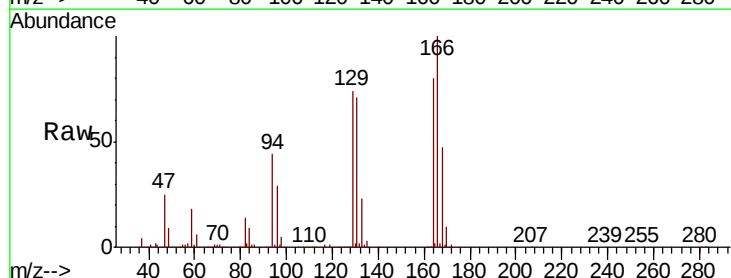
Ion 83.00 (82.70 to 83.70): VU037377.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU037377.D (-2110) (-)



#46
Tetrachloroethene
Concen: 103.948 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU037377.D
Acq: 27 Mar 2020 17:35

Tgt Ion:	164	Resp:	178779
Ion	Ratio	Lower	Upper
164	100		
129	92.5	67.8	126.0
131	88.7	66.1	122.8
166	125.7	92.1	171.1



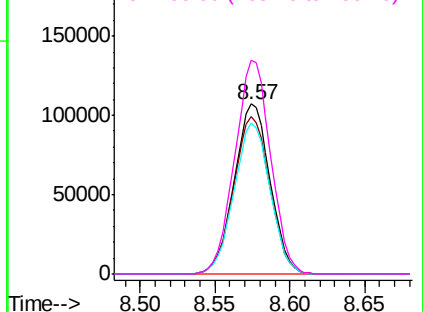
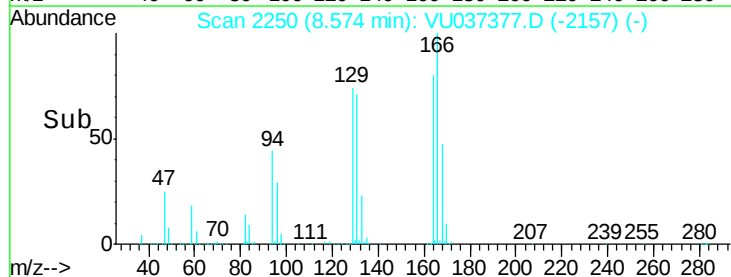
Abundance

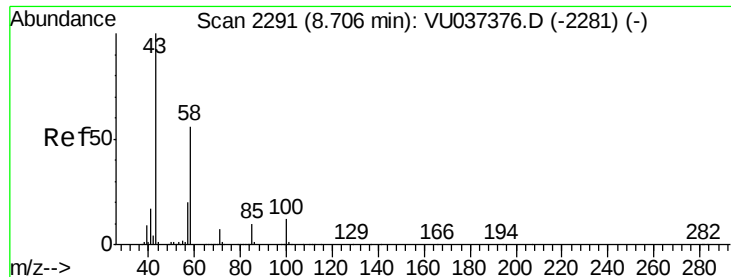
Ion 164.00 (163.70 to 164.70): VU037377.D (-2157) (-)

Ion 129.00 (128.70 to 129.70): VU037377.D (-2157) (-)

Ion 131.00 (130.70 to 131.70): VU037377.D (-2157) (-)

Ion 166.00 (165.70 to 166.70): VU037377.D (-2157) (-)

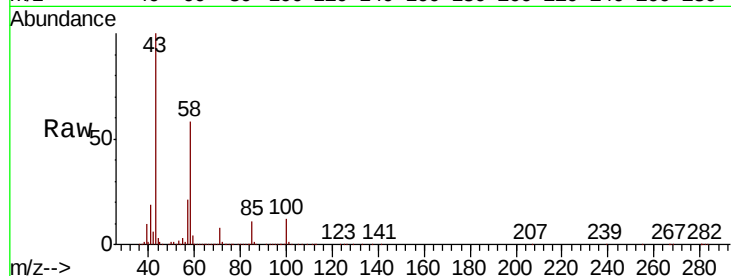




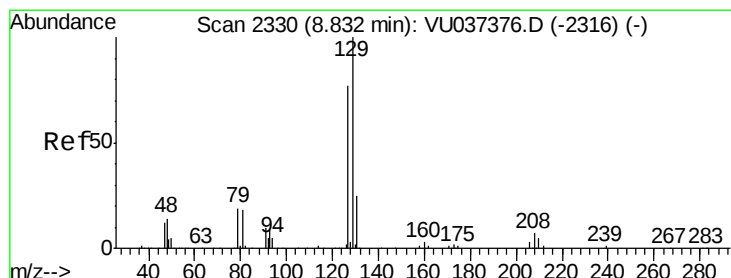
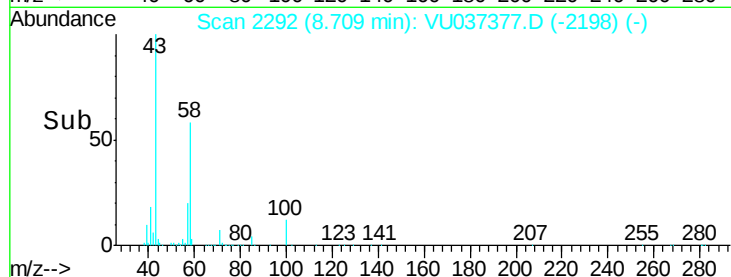
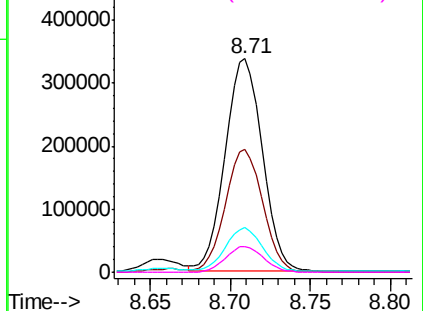
#48
2-Hexanone
Concen: 164.661 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037377.D
Acq: 27 Mar 2020 17:35

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43.00	Resp:	534920
Ion	Ratio	Lower	Upper
43	100		
58	58.0	45.3	67.9
57	20.2	16.2	24.2
100	12.4	9.7	14.5

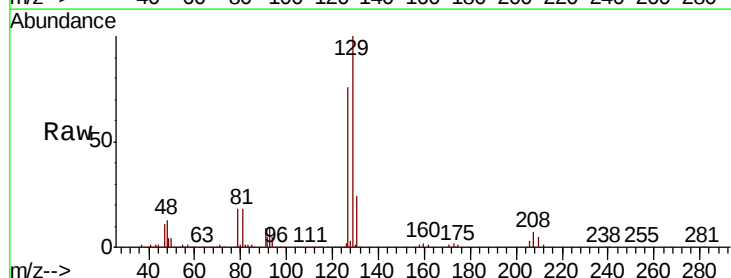


Abundance Ion 43.00 (42.70 to 43.70): VU037377.D (-2198) (-)
Ion 58.00 (57.70 to 58.70): VU037377.D (-2198) (-)
Ion 57.00 (56.70 to 57.70): VU037377.D (-2198) (-)
Ion 100.00 (99.70 to 100.70): VU037377.D (-2198) (-)

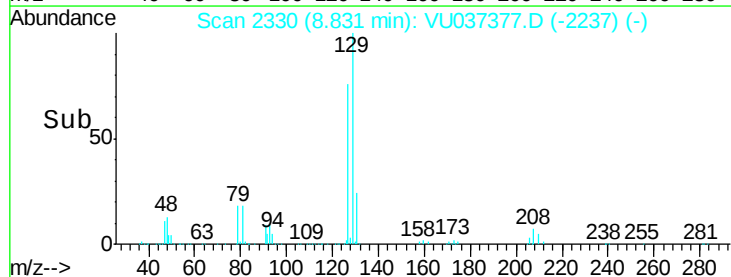
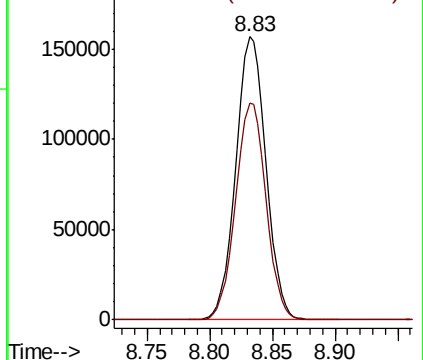


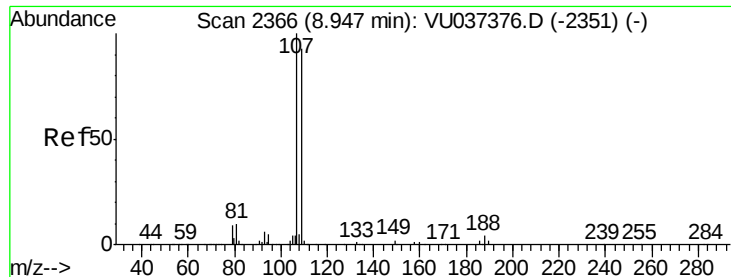
#49
Dibromochloromethane
Concen: 96.327 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037377.D
Acq: 27 Mar 2020 17:35

Tgt Ion:	129.00	Resp:	261307
Ion	Ratio	Lower	Upper
129	100		
127	76.4	53.9	100.1



Abundance Ion 129.00 (128.70 to 129.70): VU037377.D (-2237) (-)
Ion 127.00 (126.70 to 127.70): VU037377.D (-2237) (-)

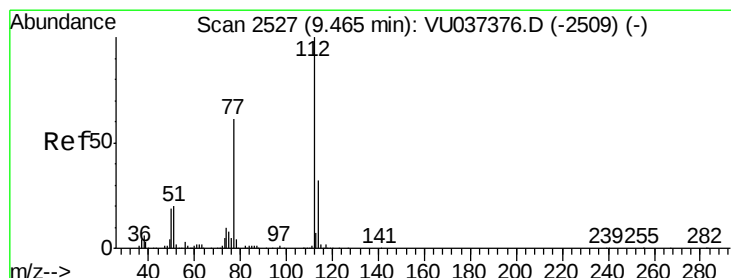
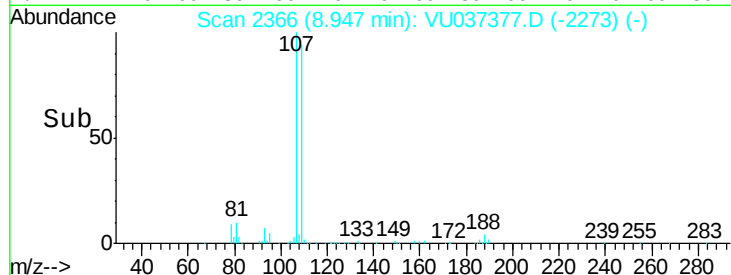
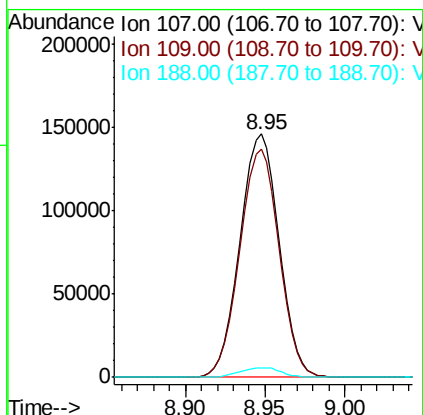
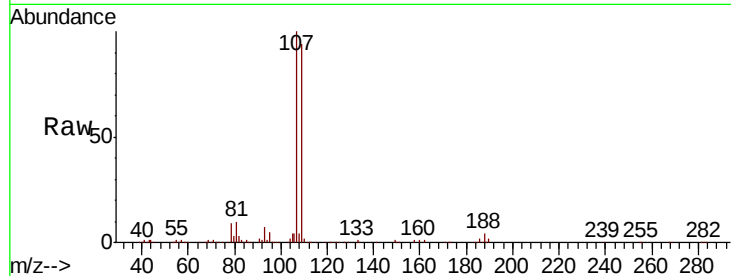




#50
 1,2-Dibromoethane
 Concen: 97.985 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VU037377.D
 Acq: 27 Mar 2020 17:35

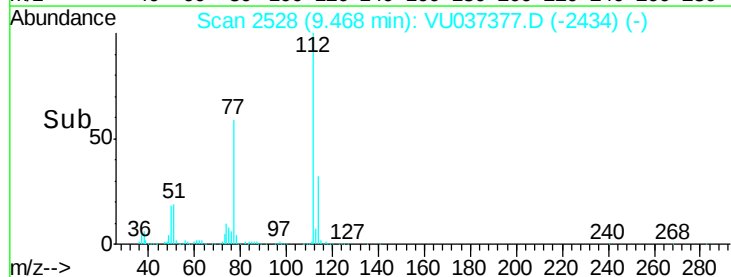
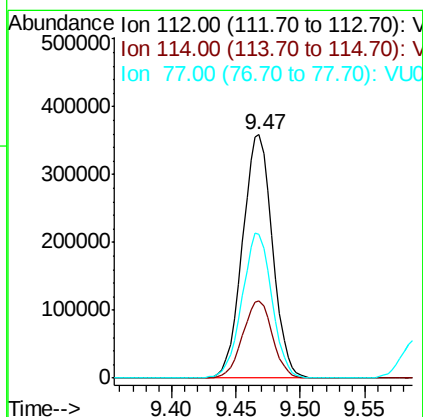
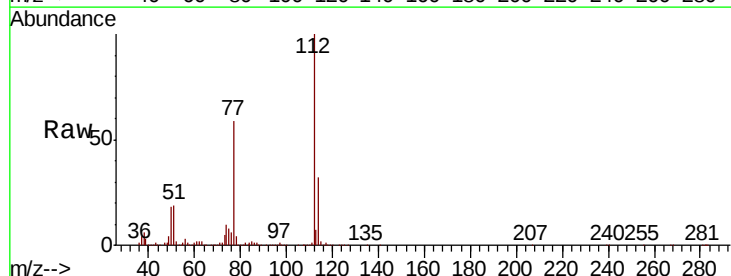
Instrument :
 MSVOA_U
 ClientSampleId :

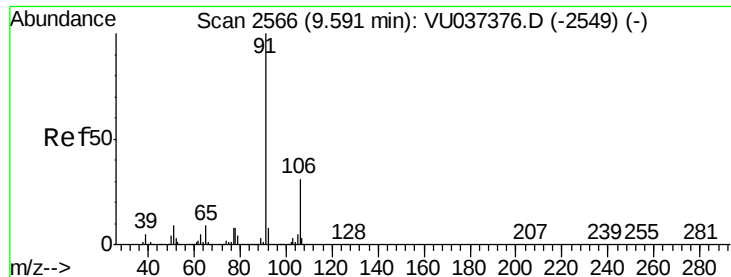
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	65.1	120.9
188	4.2	3.0	4.4



#51
 Chlorobenzene
 Concen: 94.683 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037377.D
 Acq: 27 Mar 2020 17:35

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.5
77	59.2	48.6	72.8





#52

Ethylbenzene

Concen: 89.833 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

Instrument :

MSVOA_U

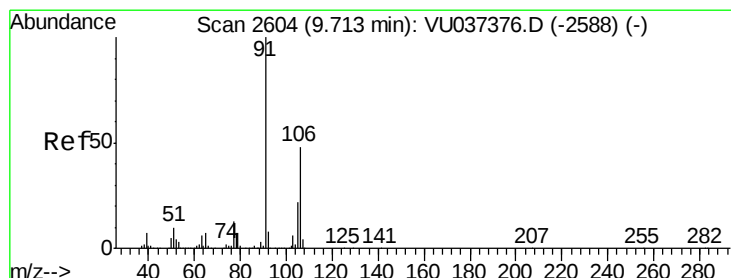
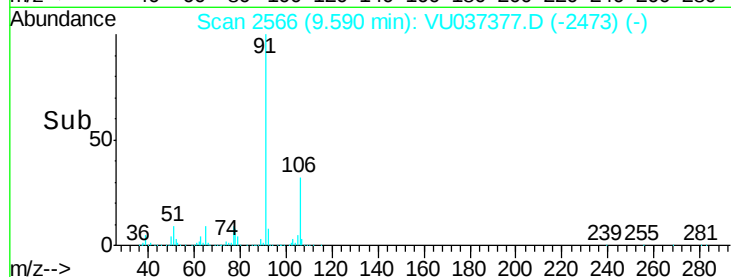
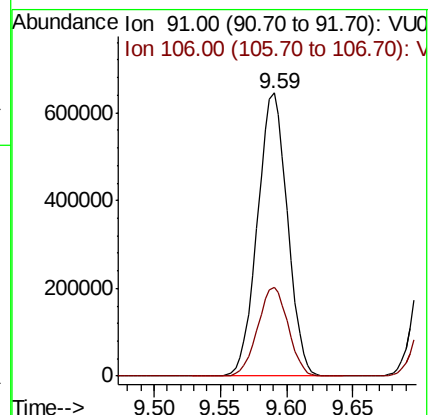
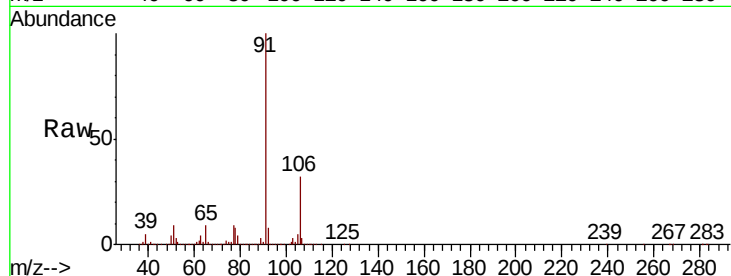
ClientSampleId :

Tot Ion: 91 Resp: 1011970

Ion Ratio Lower Upper

91 100

106 31.5 21.5 39.9



#53

m,p-Xylene

Concen: 98.339 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037377.D

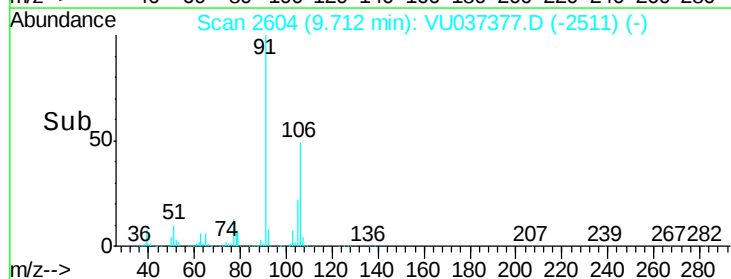
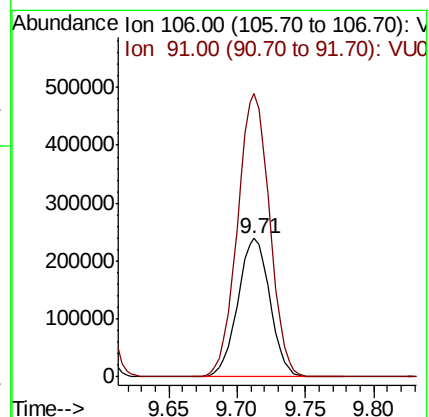
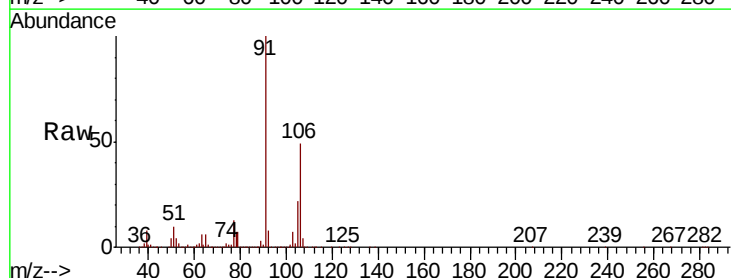
Acq: 27 Mar 2020 17:35

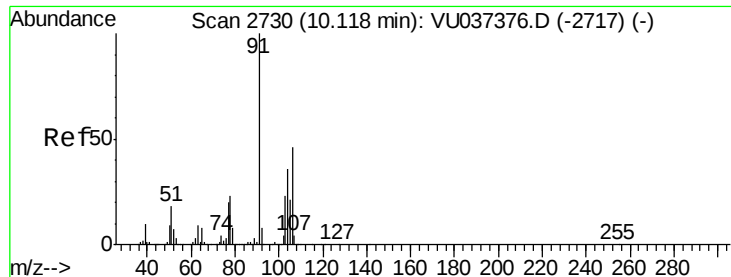
Tgt Ion: 106 Resp: 391821

Ion Ratio Lower Upper

106 100

91 204.3 146.5 272.1





#54

o-xylene

Concen: 97.108 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

Instrument :

MSVOA_U

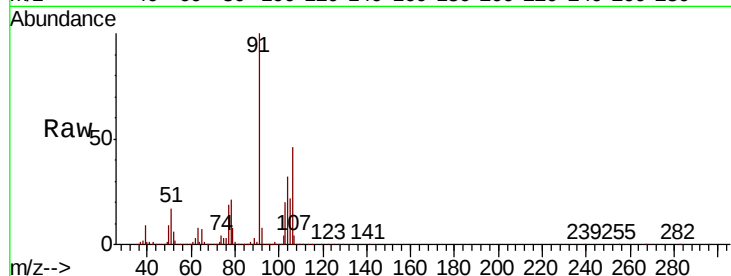
ClientSampleId :

Tot Ion:106 Resp: 382265

Ion Ratio Lower Upper

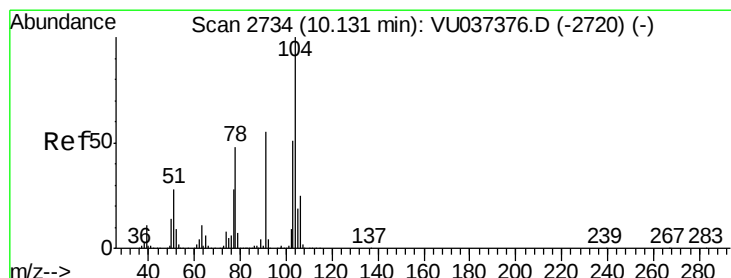
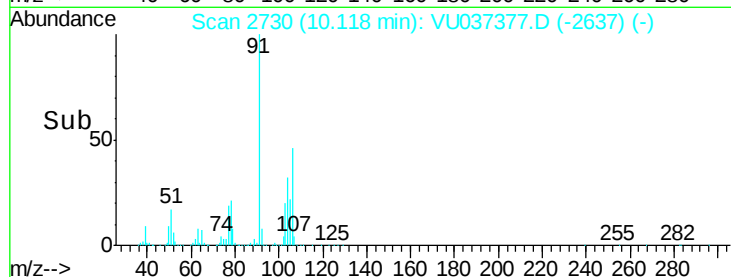
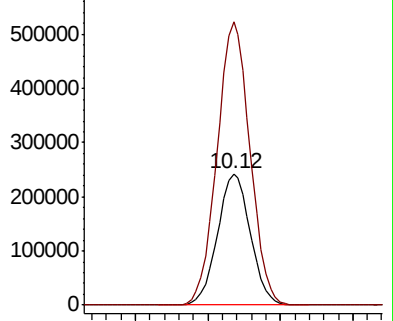
106 100

91 215.4 153.6 285.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 99.416 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU037377.D

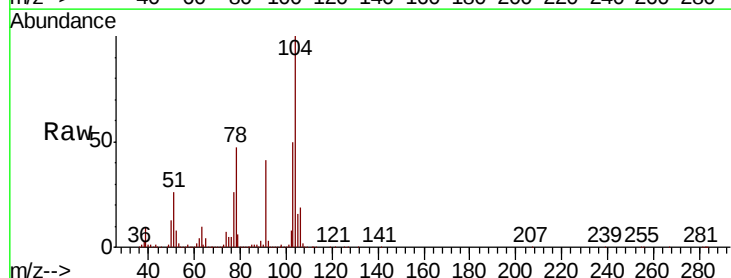
Acq: 27 Mar 2020 17:35

Tgt Ion:104 Resp: 663671

Ion Ratio Lower Upper

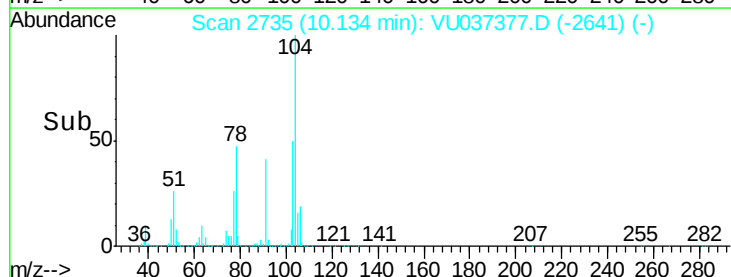
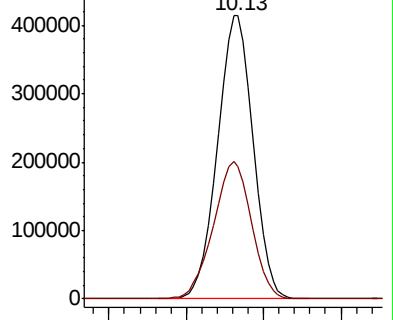
104 100

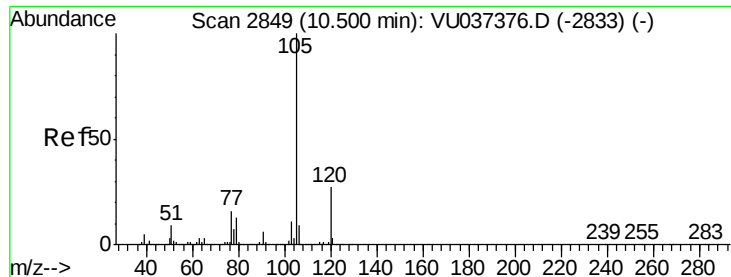
78 47.0 34.0 63.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 92.471 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

Instrument :

MSVOA_U

ClientSampled :

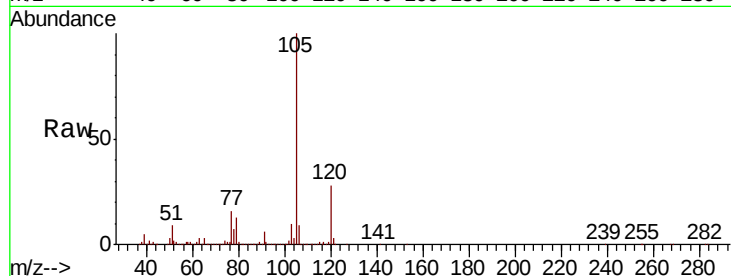
Tot Ion:105 Resp: 1011764

Ion Ratio Lower Upper

105 100

120 27.3 21.5 32.3

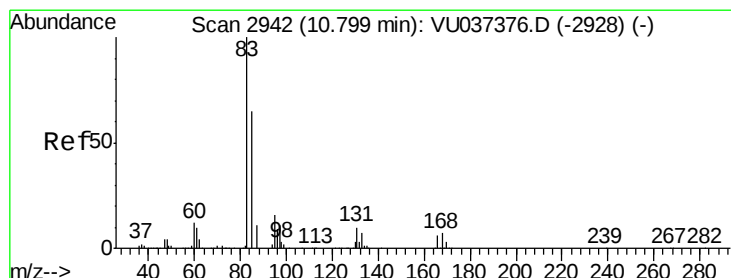
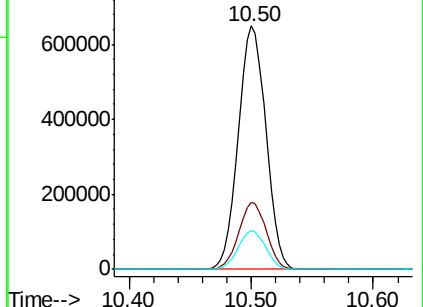
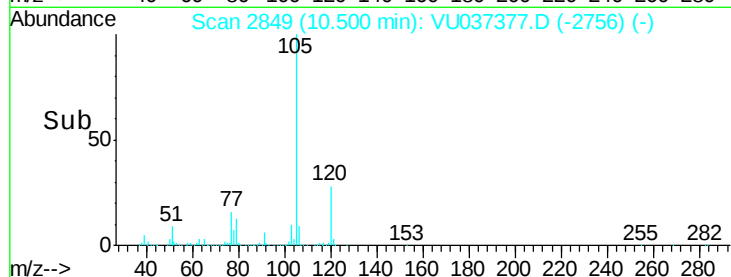
77 15.7 12.6 19.0



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: 87.600 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

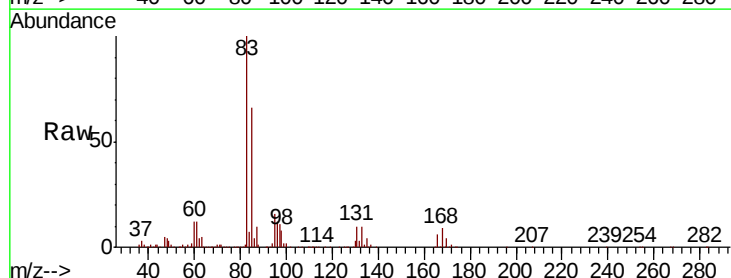
Tgt Ion: 83 Resp: 368699

Ion Ratio Lower Upper

83 100

85 65.9 46.1 85.5

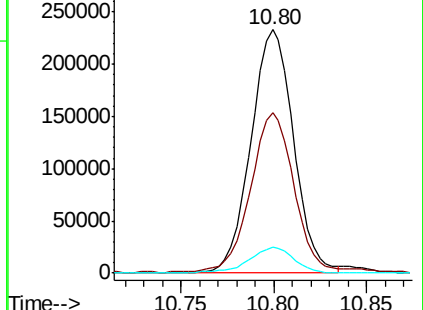
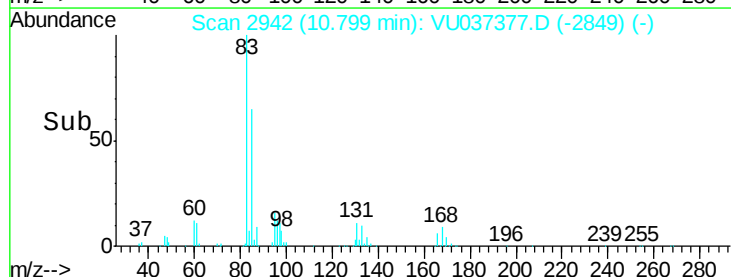
131 10.5 8.0 12.0

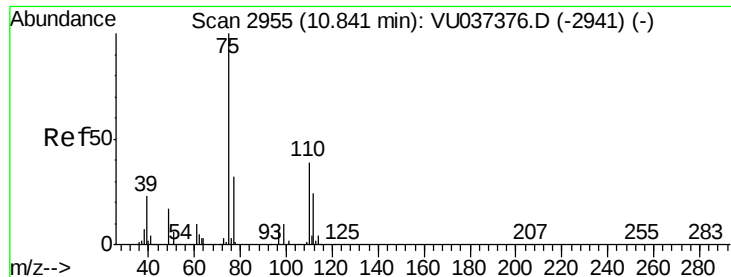


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 86.389 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. -0.00 min

Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

Instrument :

MSVOA_U

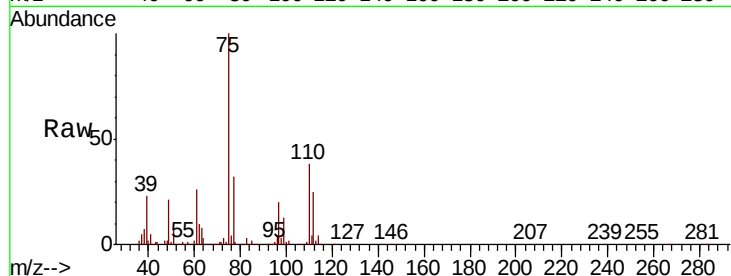
ClientSampleId :

Tot Ion: 75 Resp: 304106

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU037377.D (-2333) (-)

Ion 77.00 (76.70 to 77.70): VU037377.D (-2333) (-)

10.84

200000

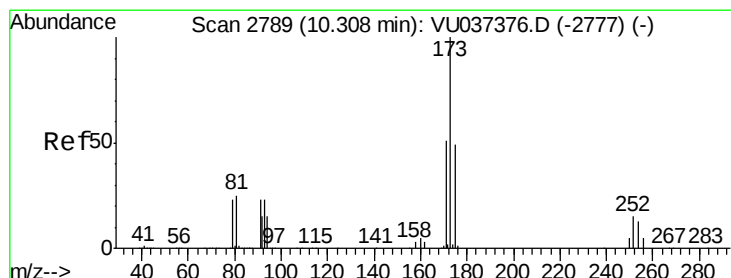
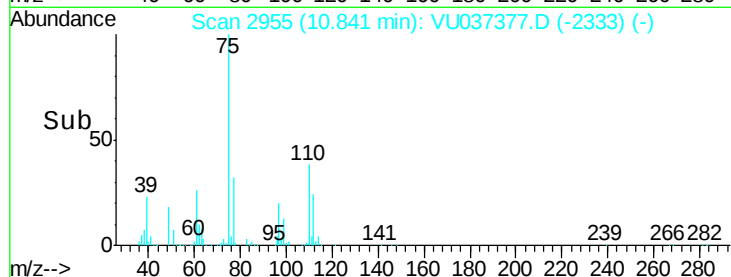
150000

100000

50000

0

Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 100.975 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

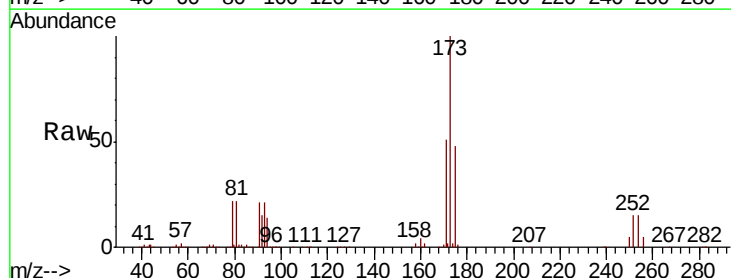
Tgt Ion: 173 Resp: 229915

Ion Ratio Lower Upper

173 100

175 48.1 39.0 58.4

254 15.0 9.8 14.8#



Abundance Ion 173.00 (172.70 to 173.70): VU037377.D (-2696) (-)

Ion 175.00 (174.70 to 175.70): VU037377.D (-2696) (-)

Ion 254.00 (253.70 to 254.70): VU037377.D (-2696) (-)

10.31

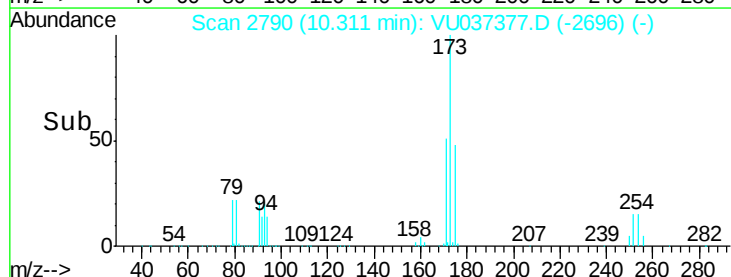
150000

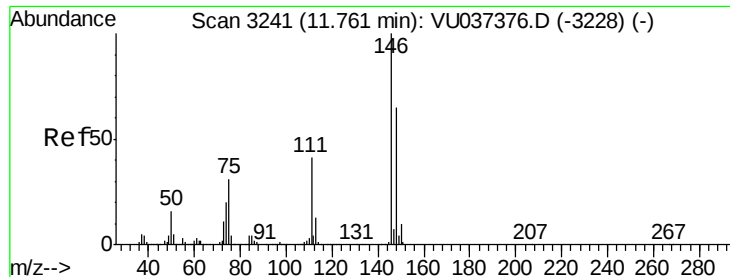
100000

50000

0

Time--> 10.25 10.30 10.35





#62

1,3-Dichlorobenzene

Concen: 94.977 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. -0.00 min

Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

Instrument :

MSVOA_U

ClientSampleId :

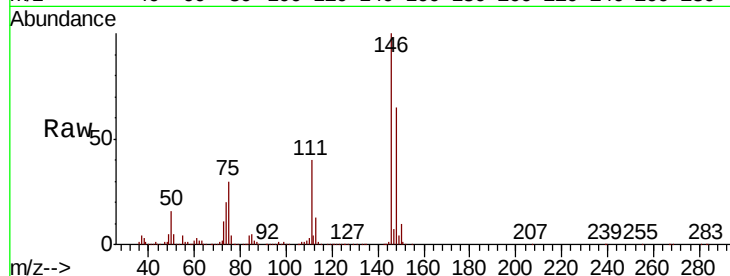
Tot Ion:146 Resp: 490758

Ion Ratio Lower Upper

146 100

111 40.4 29.1 54.1

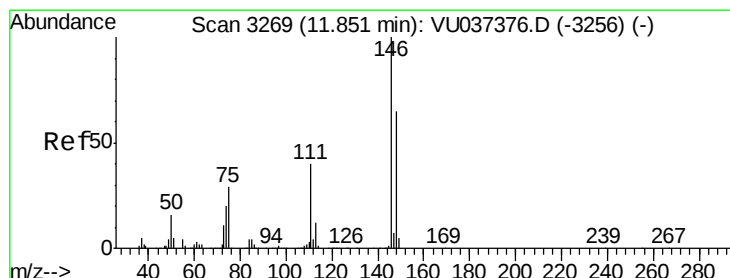
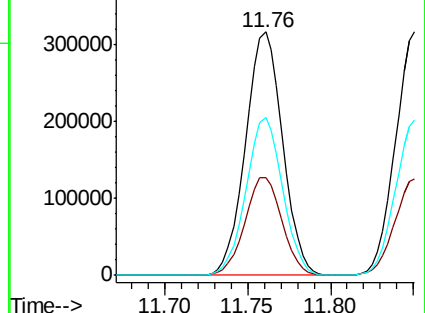
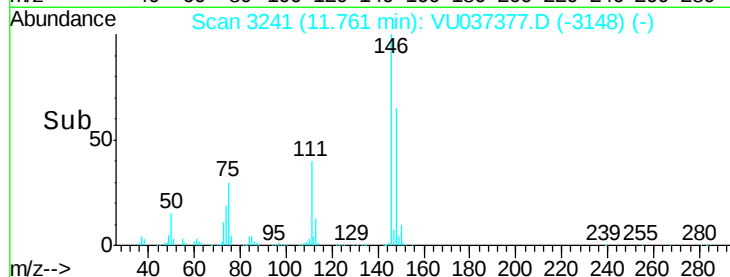
148 64.6 45.2 84.0



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: 92.765 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

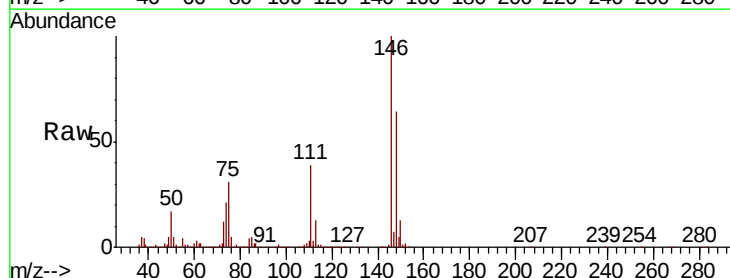
Tgt Ion:146 Resp: 484457

Ion Ratio Lower Upper

146 100

111 39.3 28.4 52.8

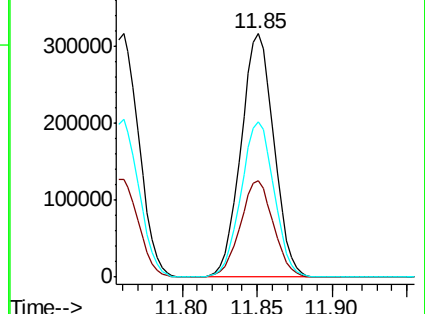
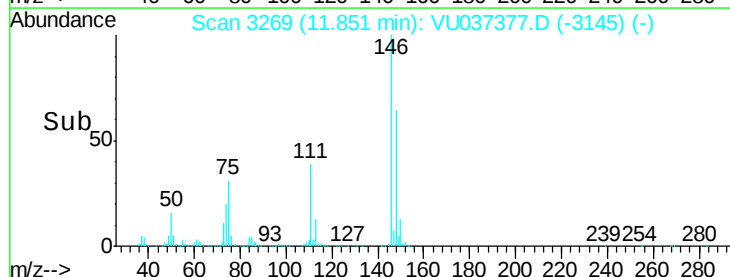
148 63.5 45.6 84.8

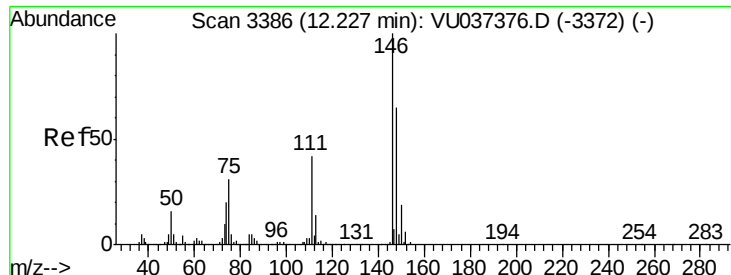


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

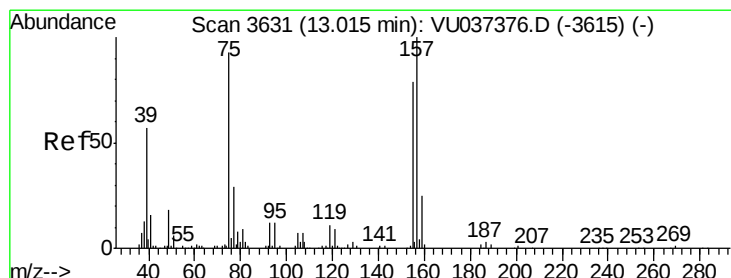
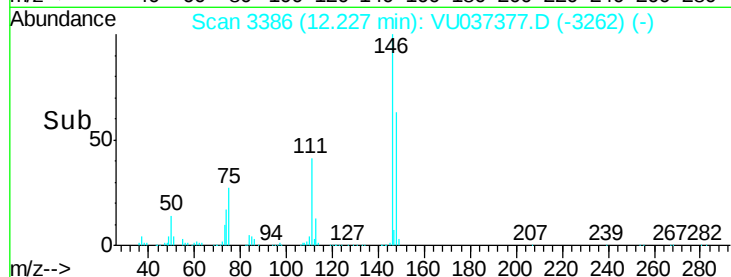
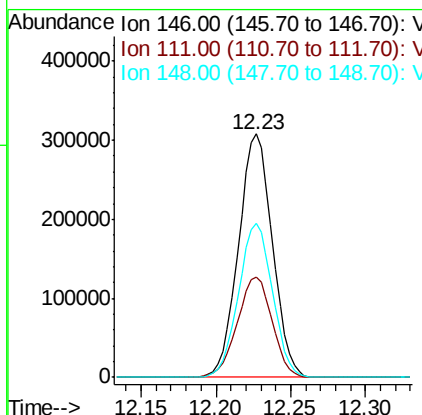
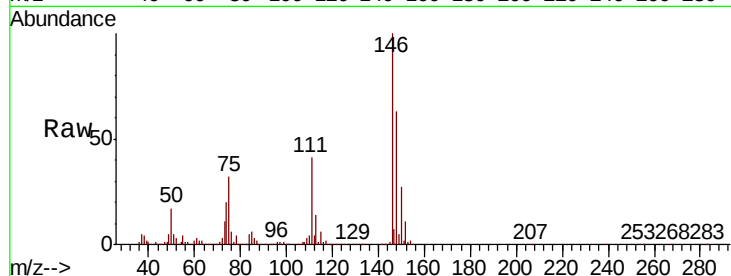




#65
 1,2-Dichlorobenzene
 Concen: 91.654 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU037377.D
 Acq: 27 Mar 2020 17:35

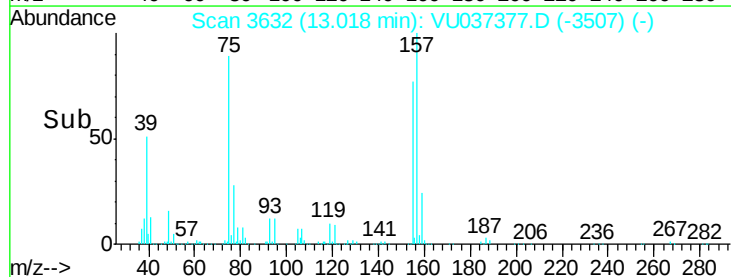
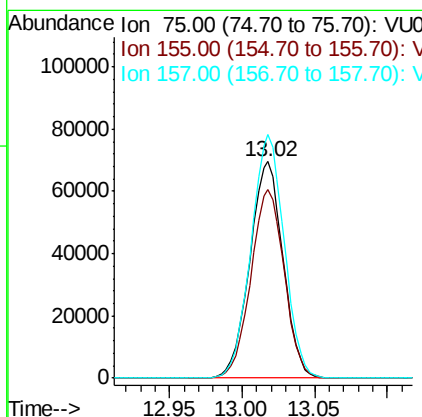
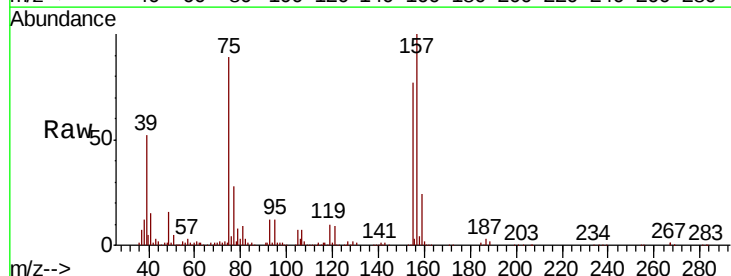
Instrument :
 MSVOA_U
 ClientSampleId :

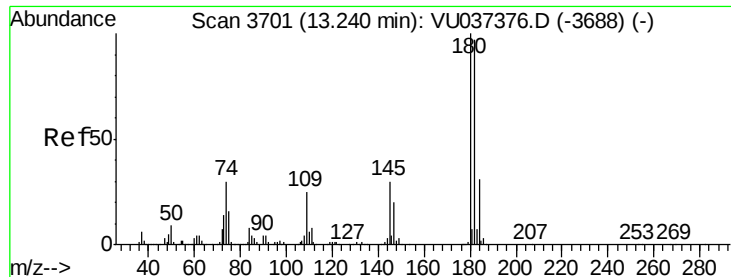
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	33.6	50.4
148	63.1	51.9	77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 95.553 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU037377.D
 Acq: 27 Mar 2020 17:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	68.5	102.7
157	112.4	86.5	129.7

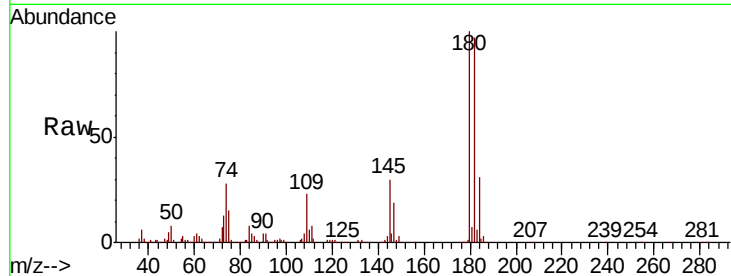




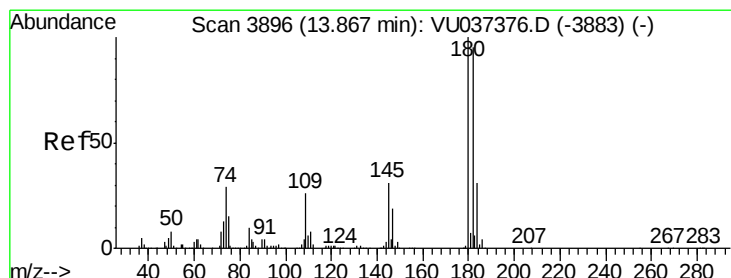
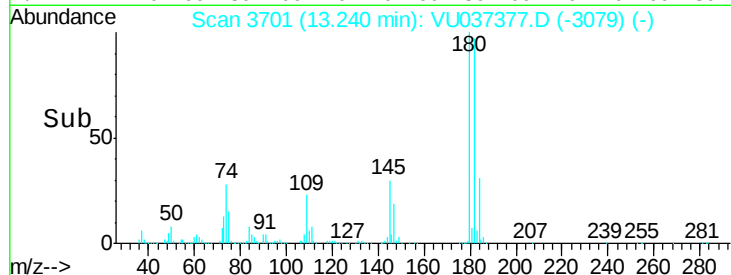
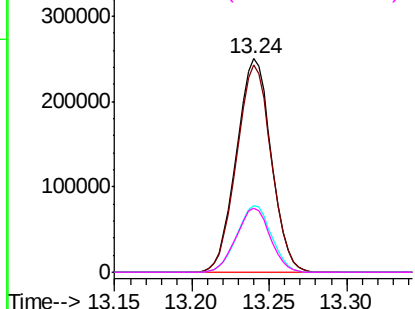
#67
 1,3,5-Trichlorobenzene
 Concen: 103.851 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU037377.D
 Acq: 27 Mar 2020 17:35

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	391068
Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.3	115.9
184	31.1	24.6	37.0
145	29.5	23.6	35.4

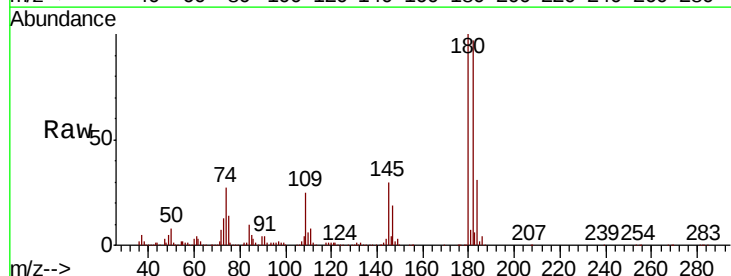


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

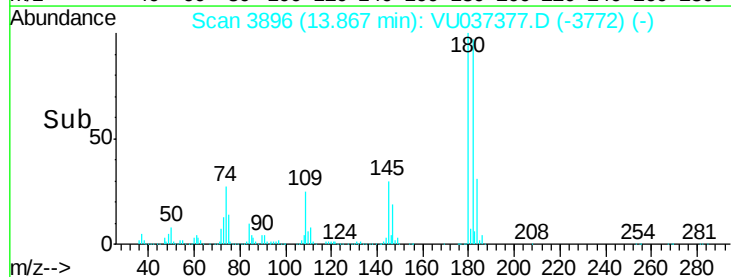
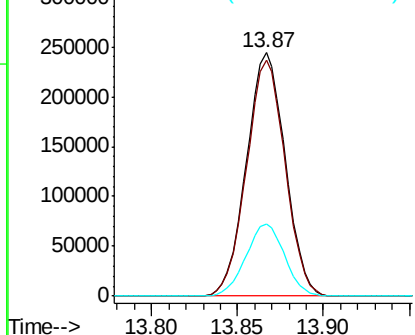


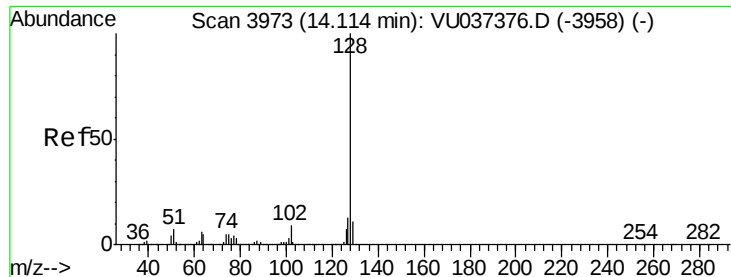
#68
 1,2,4-trichlorobenzene
 Concen: 129.570 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU037377.D
 Acq: 27 Mar 2020 17:35

Tgt Ion:	180	Resp:	380998
Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.4	114.6
145	29.7	24.6	36.8



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





#69

Naphthalene

Concen: 279.423 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

Instrument :

MSVOA_U

ClientSampled :

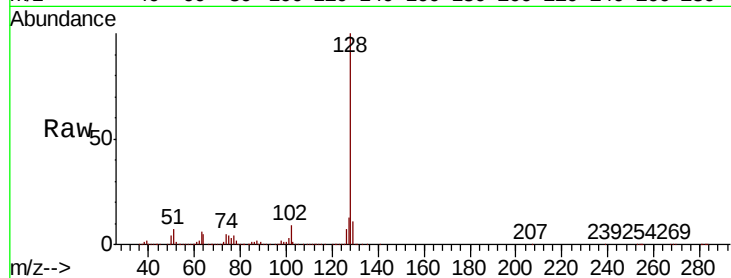
Tot Ion:128 Resp: 1246063

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

129 10.8 8.8 13.2



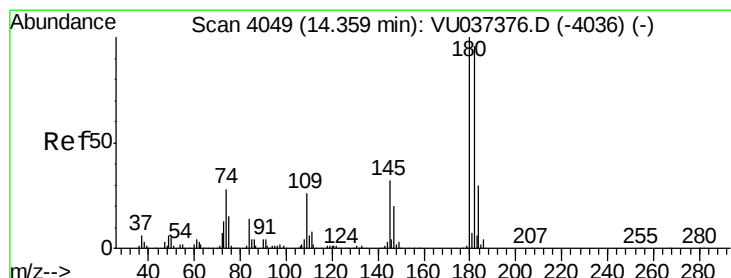
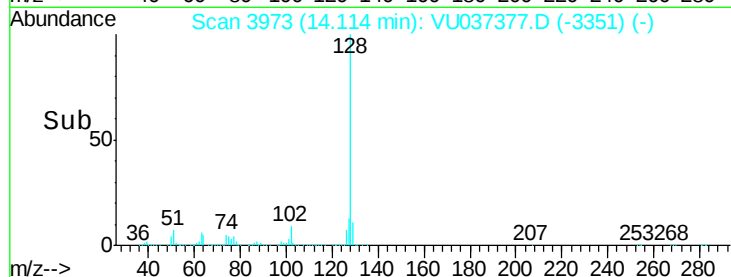
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

14.11

Time--> 14.00 14.10 14.20



#70

1,2,3-Trichlorobenzene

Concen: 123.267 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU037377.D

Acq: 27 Mar 2020 17:35

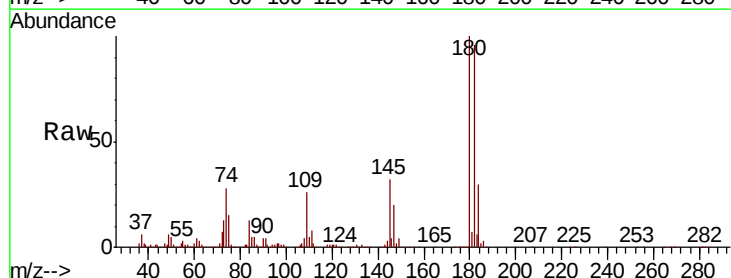
Tgt Ion:180 Resp: 380371

Ion Ratio Lower Upper

180 100

182 96.0 77.0 115.6

145 31.8 25.6 38.4



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

14.36

Time--> 14.30 14.35 14.40

