

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038407.D
 Acq On : 30 May 2020 11:59
 Operator : JC/MD
 Sample : VSTD00503
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 01:28:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 01:25:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	336957	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	328397	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	166432	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	106931	4.90	ug/L	0.00
7) Chloroethane-d5	1.93	69	82165	4.90	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	210816	4.91	ug/L	0.00
20) 2-Butanone-d5	4.68	46	333709	50.37	ug/L	0.00
24) Chloroform-d	5.10	84	199255	4.86	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	111859	4.81	ug/L	0.00
32) Benzene-d6	5.76	84	406097	4.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	123008	4.88	ug/L	0.00
41) Toluene-d8	7.92	98	365638	4.97	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	52604	4.85	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	269075	50.26	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	103072	4.82	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	138290	4.82	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	134362	5.059	ug/L 100
3) Chloromethane	1.53	50	116131	4.762	ug/L 100
5) Vinyl chloride	1.62	62	126325	4.834	ug/L 100
6) Bromomethane	1.87	94	60938	4.803	ug/L 100
8) Chloroethane	1.95	64	77958	4.979	ug/L 100
9) Trichlorofluoromethane	2.16	101	174083	5.022	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	102229	5.007	ug/L 100
12) 1,1-Dichloroethene	2.60	96	101842	4.908	ug/L 100
13) Acetone	2.69	43	211946	48.885	ug/L 100
14) Carbon disulfide	2.82	76	343832	4.883	ug/L 100
15) Methyl Acetate	2.99	43	52792	4.970	ug/L 100
16) Methylene chloride	3.08	84	112072	4.772	ug/L 100
17) Methyl tert-butyl Ether	3.40	73	271130	4.983	ug/L 100
18) trans-1,2-Dichloroethene	3.39	96	110064	4.921	ug/L 100
19) 1,1-Dichloroethane	3.91	63	197735	4.941	ug/L 100
21) 2-Butanone	4.77	43	381005	52.247	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	118986	4.941	ug/L 100
23) Bromochloromethane	5.02	128	52263	4.822	ug/L 100
25) Chloroform	5.13	83	201443	4.955	ug/L 100
27) 1,2-Dichloroethane	5.83	62	142874	4.992	ug/L 100
29) 1,1,1-Trichloroethane	5.35	97	174831	5.031	ug/L 100
30) Cyclohexane	5.42	56	185630	5.094	ug/L 100
31) Carbon tetrachloride	5.56	117	144532	4.996	ug/L 100
33) Benzene	5.81	78	447505	4.887	ug/L 100
34) Trichloroethene	6.57	95	116292	4.893	ug/L 100
35) Methylcyclohexane	6.79	83	179652	4.882	ug/L 100
37) 1,2-Dichloropropane	6.82	63	116412	5.052	ug/L 100
38) Bromodichloromethane	7.13	83	140507	4.910	ug/L 100
39) cis-1,3-Dichloropropene	7.63	75	170259	4.999	ug/L 100
40) 4-Methyl-2-pentanone	7.82	43	827962	50.241	ug/L 100

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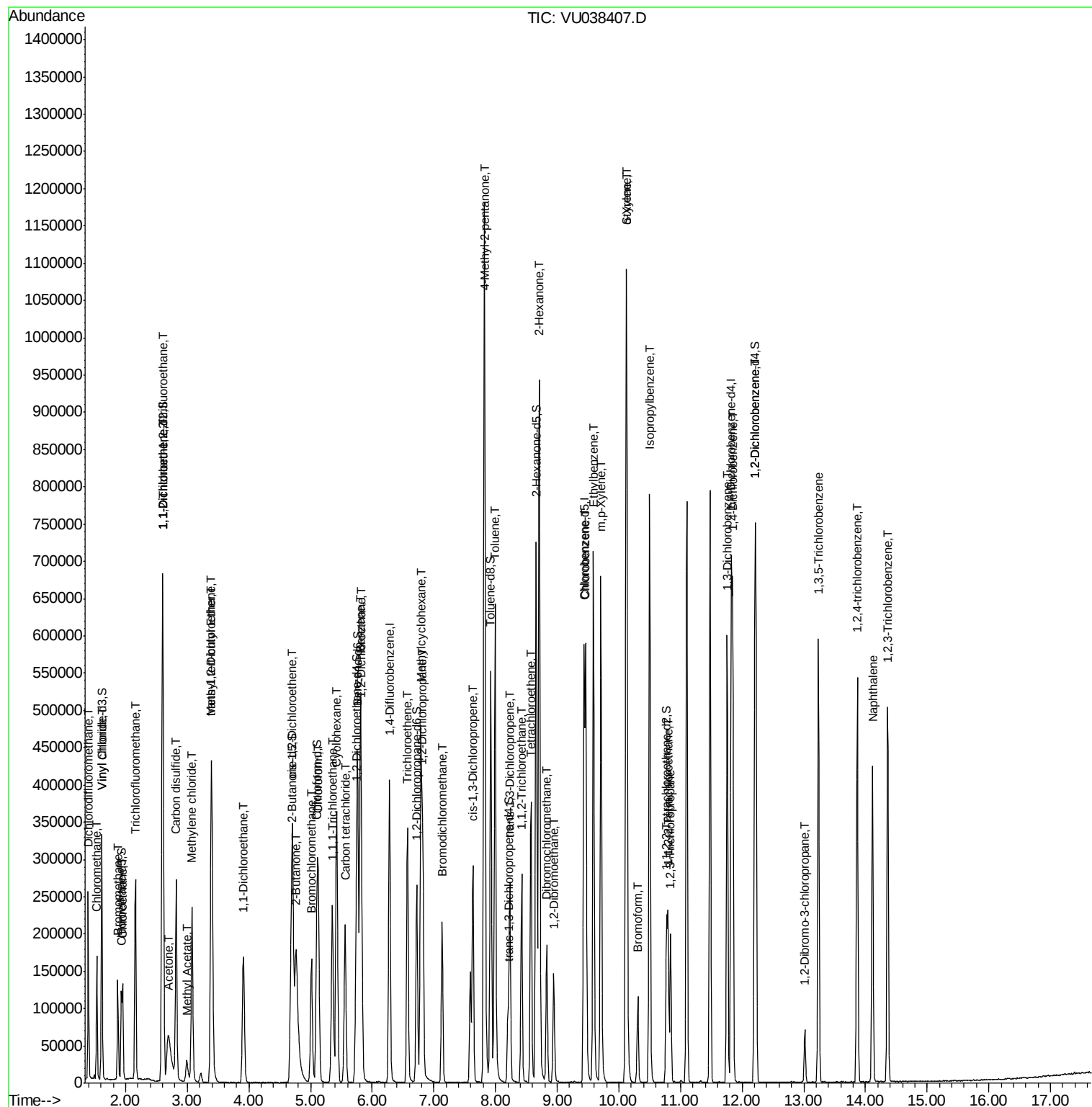
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	476319	4.959	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	150893	5.017	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	86993	5.004	ug/L	100
47) Tetrachloroethene	8.57	164	85541	4.954	ug/L	100
48) 2-Hexanone	8.71	43	618664	49.570	ug/L	100
49) Dibromochloromethane	8.83	129	95727	5.101	ug/L	100
50) 1,2-Dibromoethane	8.94	107	83198	4.998	ug/L	100
51) Chlorobenzene	9.47	112	305218	4.927	ug/L	100
52) Ethylbenzene	9.59	91	525244	4.915	ug/L	100
53) m,p-Xylene	9.71	106	205652	5.004	ug/L	100
54) o-Xylene	10.11	106	197614	5.009	ug/L	100
55) Styrene	10.13	104	336739	5.028	ug/L	100
56) Isopropylbenzene	10.50	105	518993	4.998	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	107662	4.873	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	84622	4.920	ug/L	100
61) Bromoform	10.31	173	51699	4.986	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	239034	4.888	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	242337	4.887	ug/L	100
65) 1,2-Dichlorobenzene	12.22	146	227741	4.905	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.01	75	18166	4.832	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	175579	4.813	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	162610	4.816	ug/L	100
69) Naphthalene	14.11	128	328858	4.894	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	145608	4.739	ug/L	100

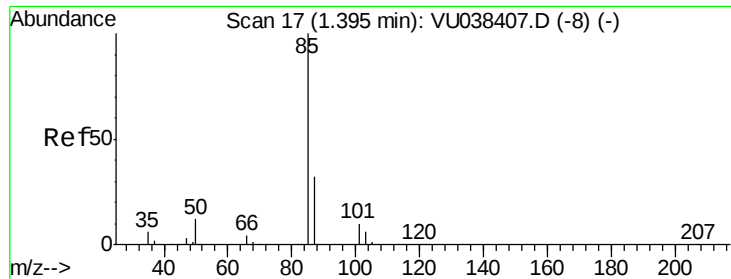
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.059 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038407.D

Acq: 30 May 2020 11:59

Instrument :

MSVOA_U

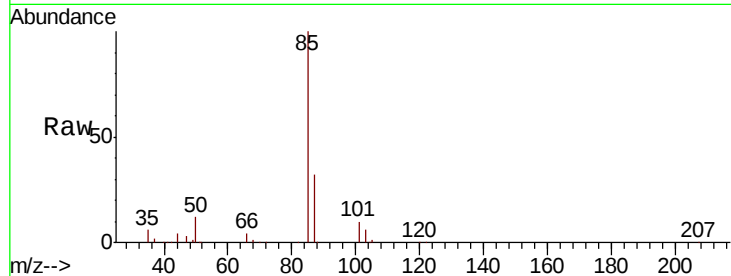
ClientSampleId :

Tot Ion: 85 Resp: 134362

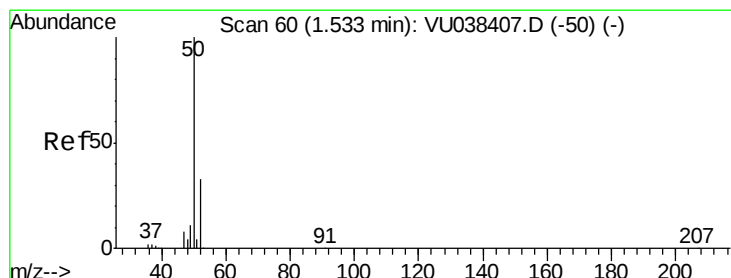
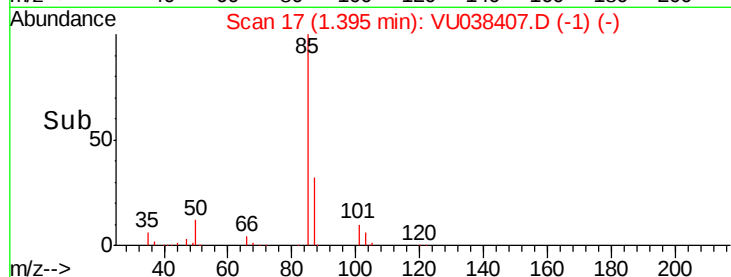
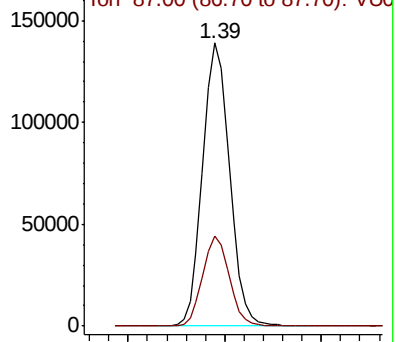
Ion Ratio Lower Upper

85 100

87 31.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038407.D (-8) (-)



#3

Chloromethane

Concen: 4.762 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038407.D

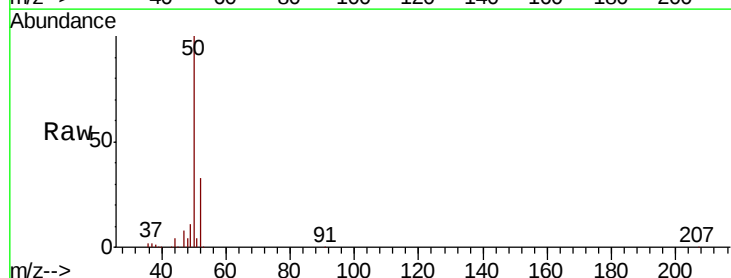
Acq: 30 May 2020 11:59

Tgt Ion: 50 Resp: 116131

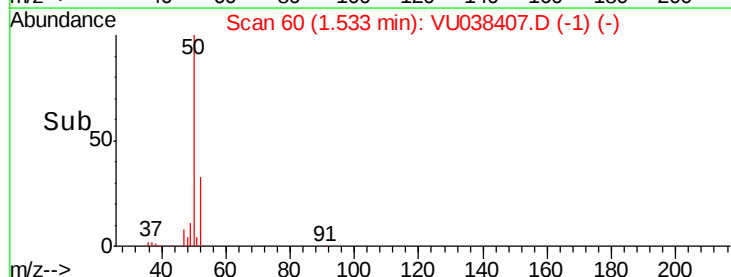
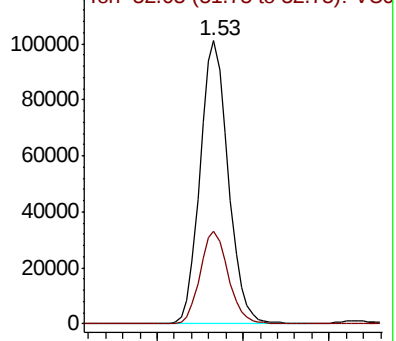
Ion Ratio Lower Upper

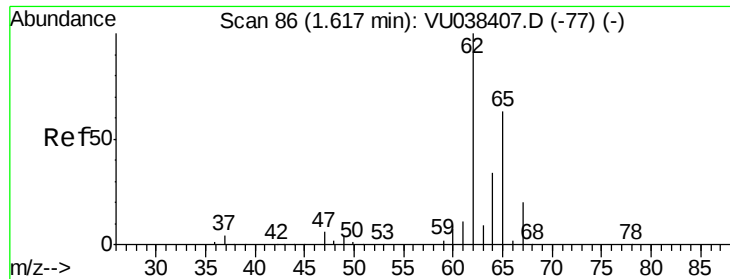
50 100

52 32.7 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU038407.D (-50) (-)





#5

Vinyl chloride

Concen: 4.834 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038407.D

Acq: 30 May 2020 11:59

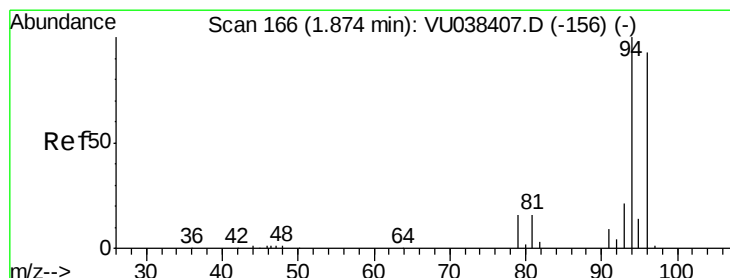
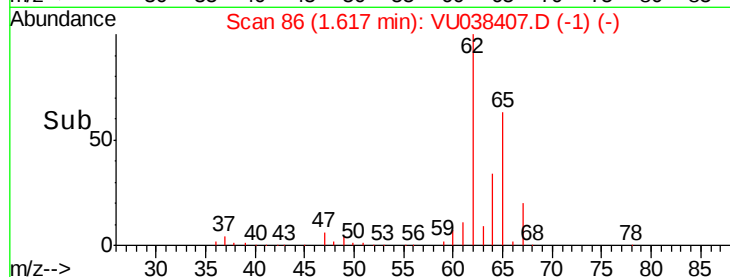
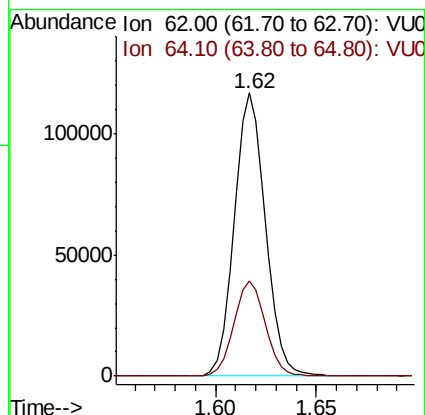
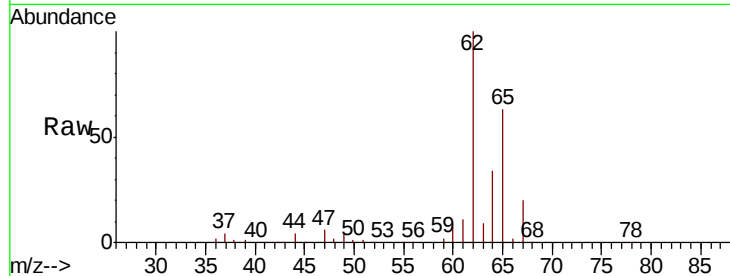
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 126325

Ion Ratio Lower Upper

62 100

64 33.8 23.7 43.9



#6

Bromomethane

Concen: 4.803 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038407.D

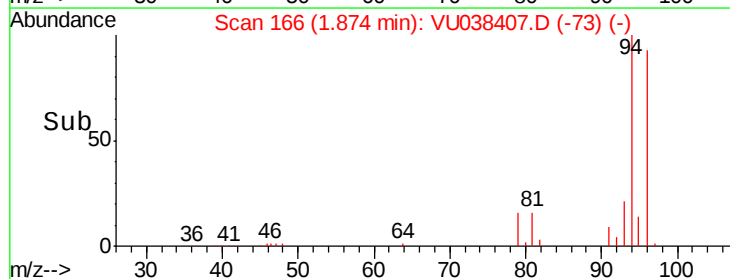
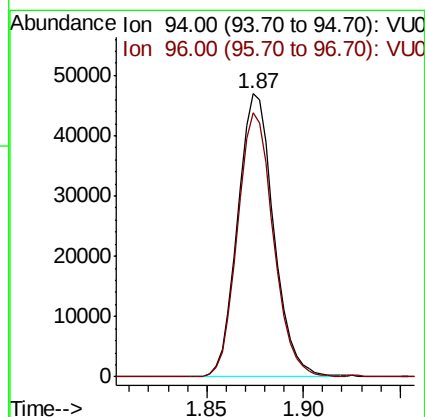
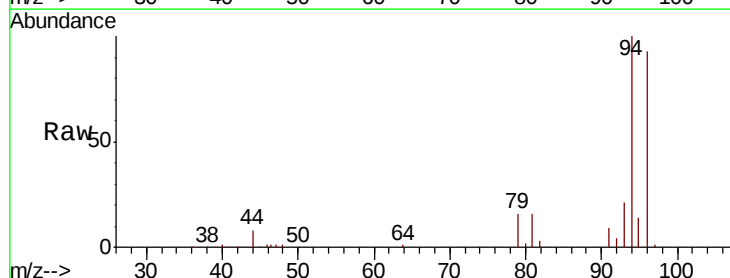
Acq: 30 May 2020 11:59

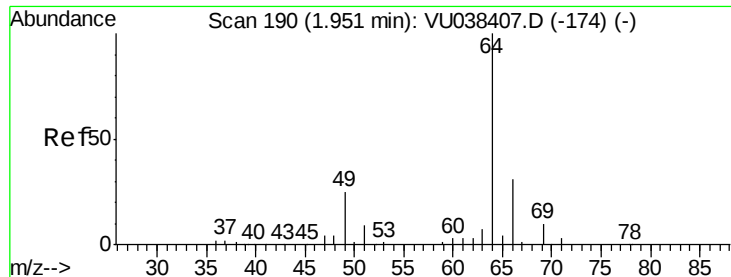
Tgt Ion: 94 Resp: 60938

Ion Ratio Lower Upper

94 100

96 93.5 65.5 121.6

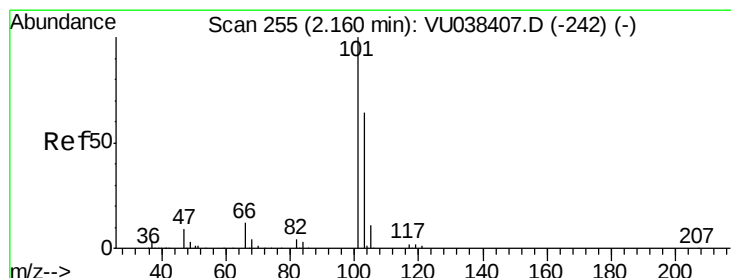
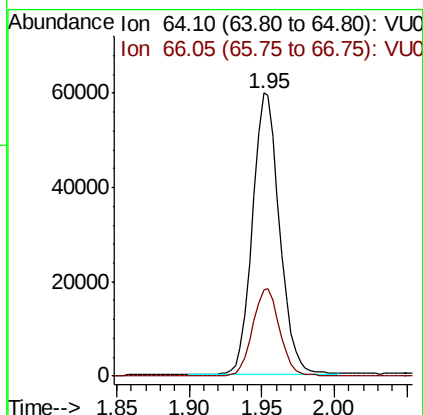
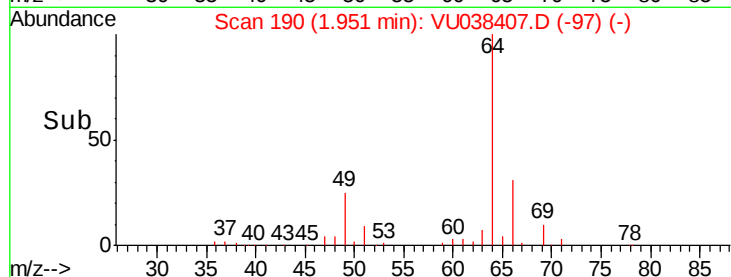
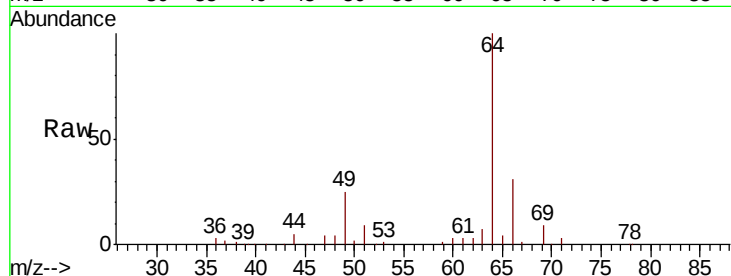




#8
Chloroethane
Concen: 4.979 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU038407.D
Acq: 30 May 2020 11:59

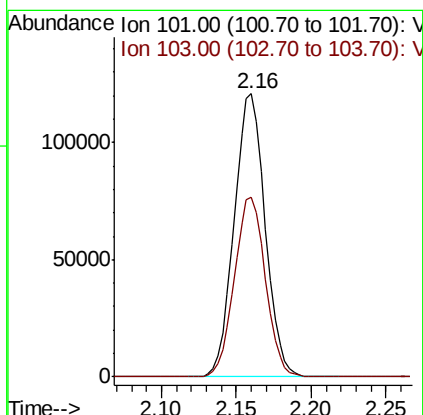
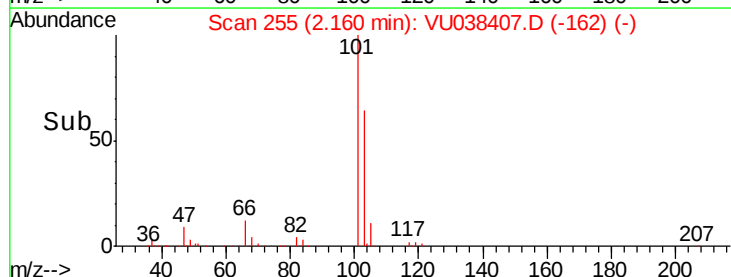
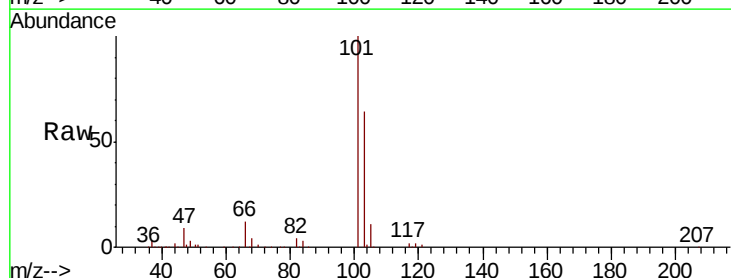
Instrument :
MSVOA_U
ClientSampleId :

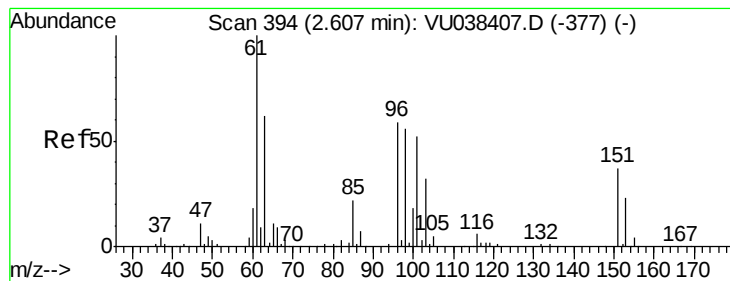
Tot Ion: 64 Resp: 77958
Ion Ratio Lower Upper
64 100
66 30.7 21.5 39.9



#9
Trichlorofluoromethane
Concen: 5.022 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038407.D
Acq: 30 May 2020 11:59

Tgt Ion:101 Resp: 174083
Ion Ratio Lower Upper
101 100
103 63.9 51.1 76.7





#10

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

Concen: 5.007 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038407.D

Acq: 30 May 2020 11:59

Instrument :

MSVOA_U

ClientSampleId :

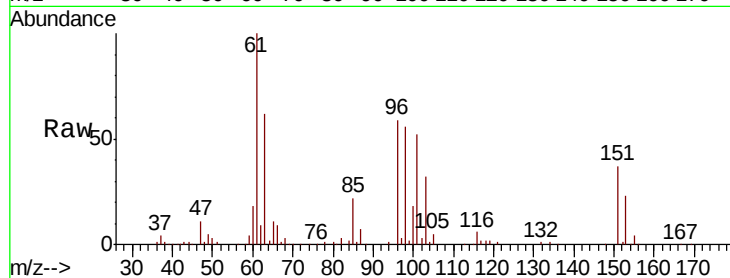
Tot Ion:101 Resp: 102229

Ion Ratio Lower Upper

101 100

85 42.5 34.0 51.0

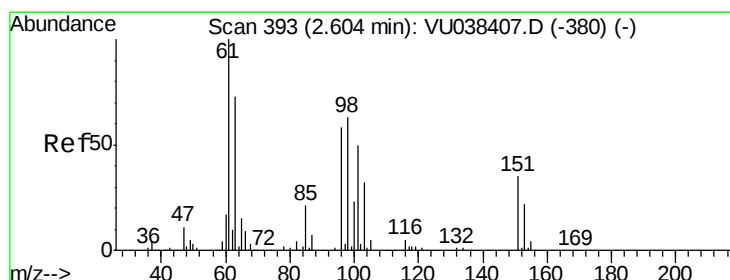
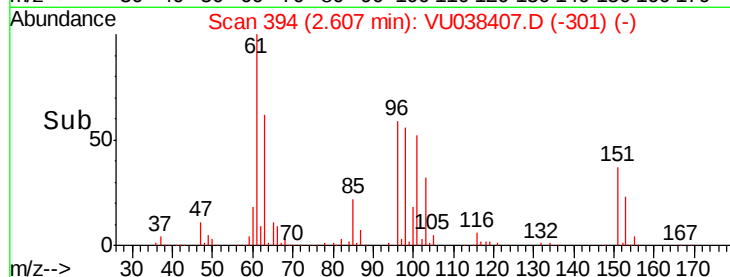
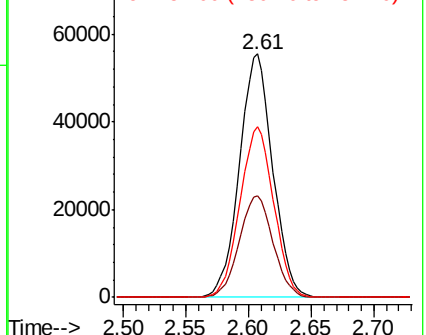
151 71.1 56.9 85.3



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: 4.908 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038407.D

Acq: 30 May 2020 11:59

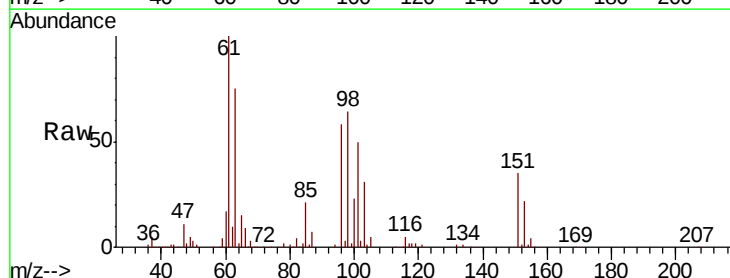
Tgt Ion: 96 Resp: 101842

Ion Ratio Lower Upper

96 100

61 171.3 119.9 222.7

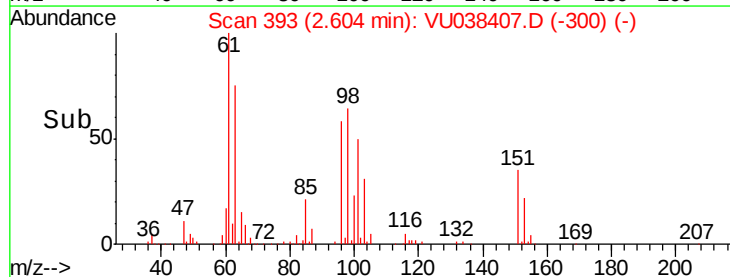
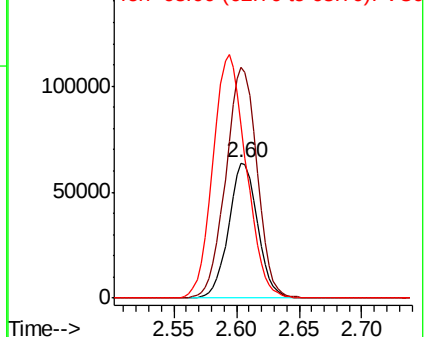
63 128.5 89.9 167.0

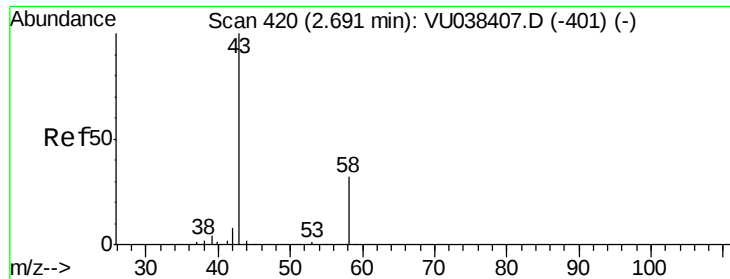


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.885 ug/L

RT: 2.69 min Scan# 420

Delta R.T. 0.00 min

Lab File: VU038407.D

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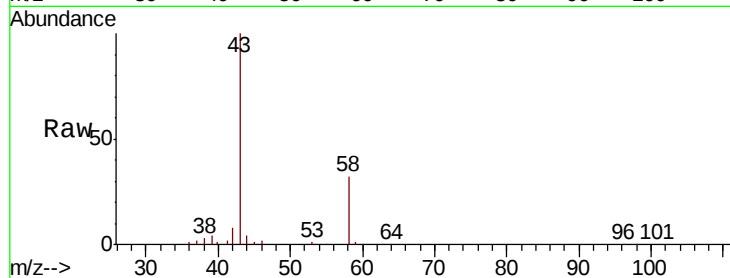
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 211946

Ion Ratio Lower Upper

43 100

58 32.8 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038407.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038407.D (-401) (-)

2.69

40000

30000

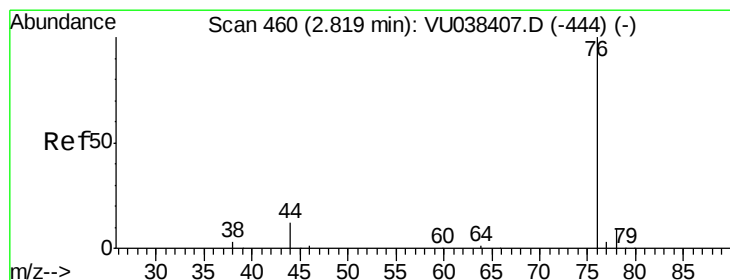
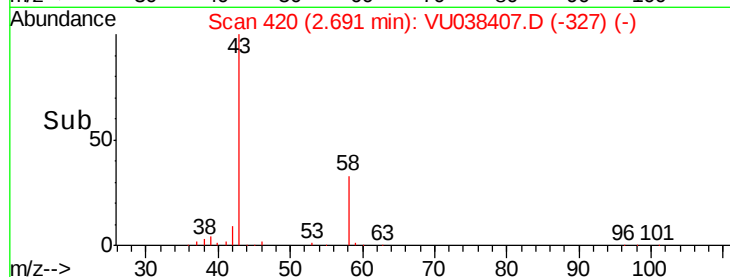
20000

10000

0

2.60 2.70 2.80 2.90

Time-->



#14

Carbon disulfide

Concen: 4.883 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038407.D

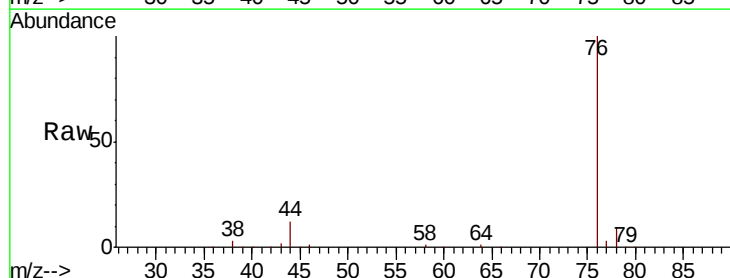
Acq: 30 May 2020 11:59

Tgt Ion: 76 Resp: 343832

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU038407.D (-444) (-)

Ion 78.00 (77.70 to 78.70): VU038407.D (-444) (-)

2.82

200000

150000

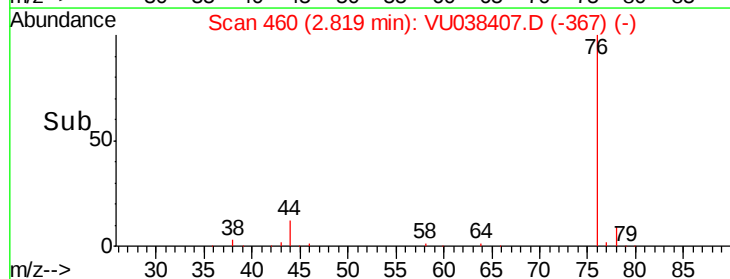
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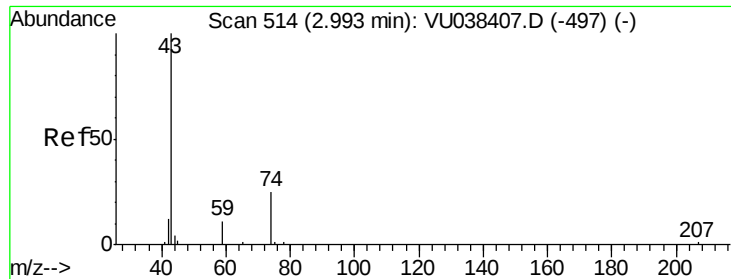
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0

2.70 2.80 2.90

Time-->

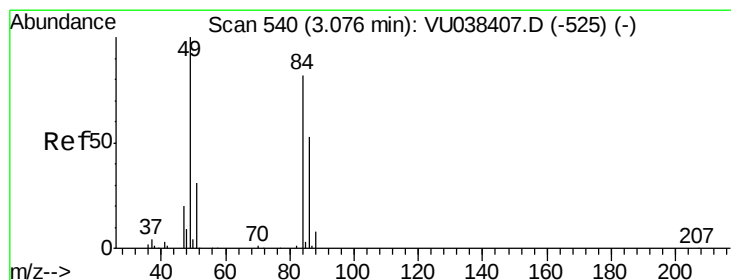
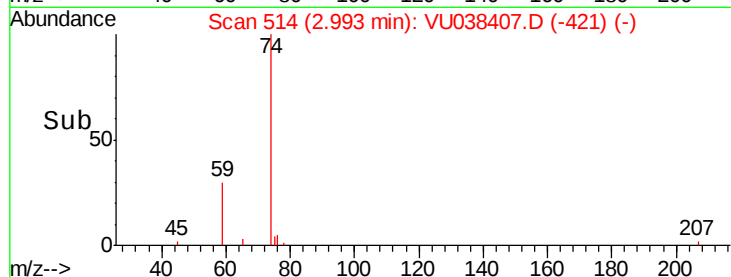
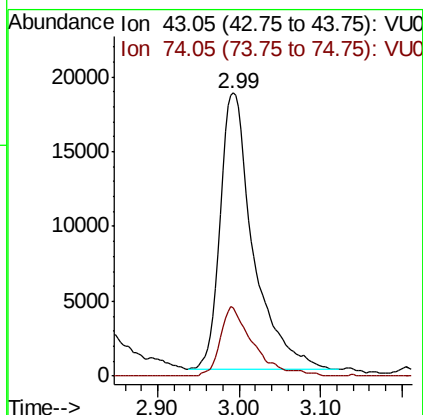
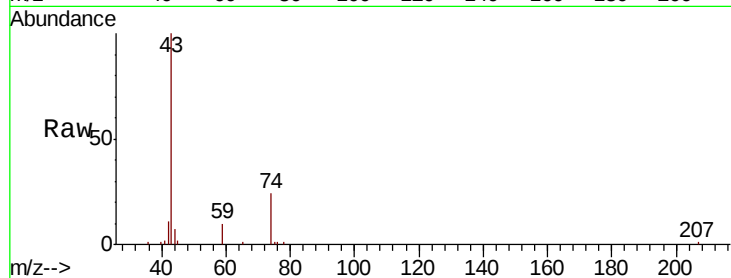




#15
Methvl Acetate
Concen: 4.970 ug/L
RT: 2.99 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU038407.D
Acq: 30 May 2020 11:59

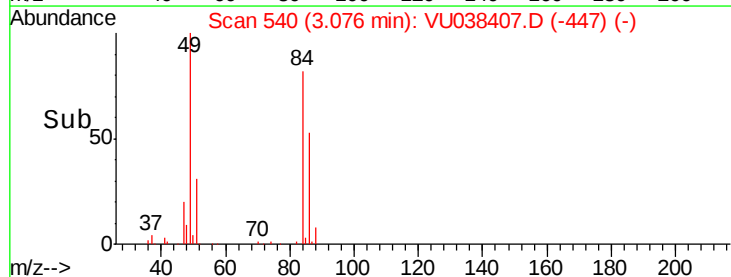
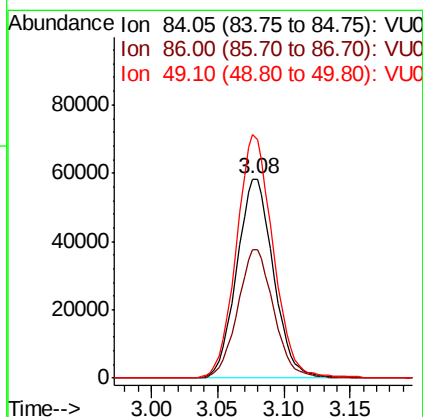
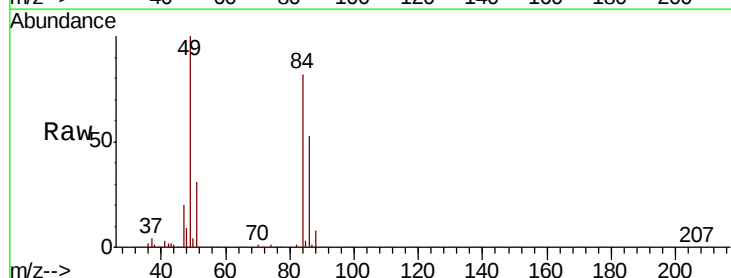
Instrument :
MSVOA_U
ClientSampleId :

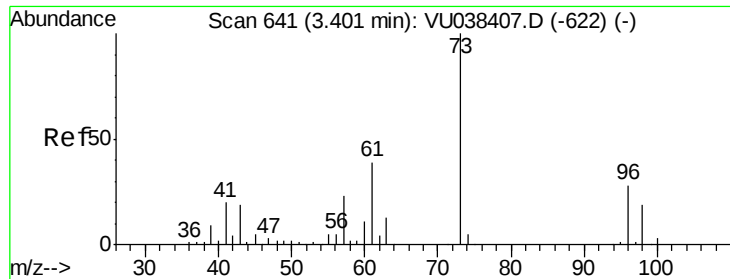
Tot Ion: 43 Resp: 52792
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8



#16
Methylene chloride
Concen: 4.772 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038407.D
Acq: 30 May 2020 11:59

Tgt Ion: 84 Resp: 112072
Ion Ratio Lower Upper
84 100
86 64.3 45.0 83.6
49 122.2 85.5 158.9



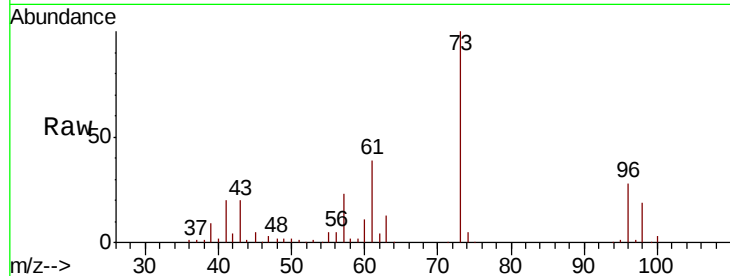


#17

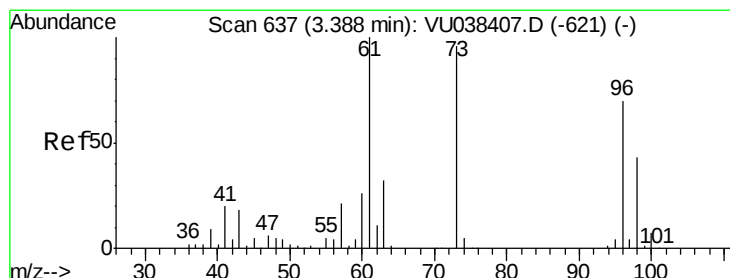
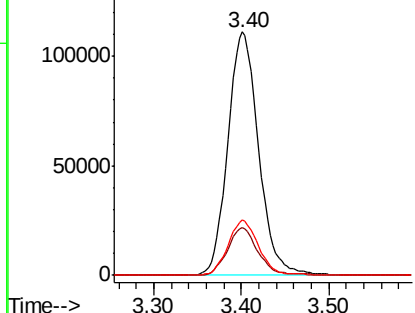
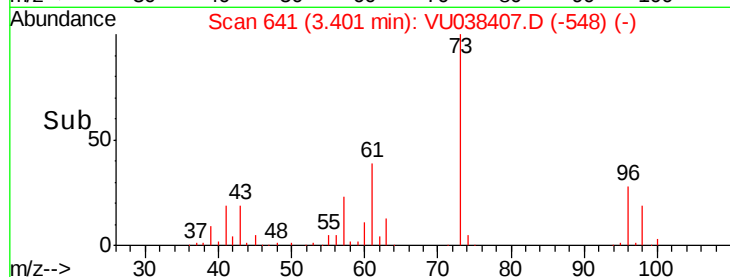
Methyl tert-butyl Ether
 Concen: 4.983 ug/L
 RT: 3.40 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: VU038407.D
 Acq: 30 May 2020 11:59

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 73 Resp: 271130
 Ion Ratio Lower Upper
 73 100
 43 19.4 15.5 23.3
 57 22.2 17.8 26.6



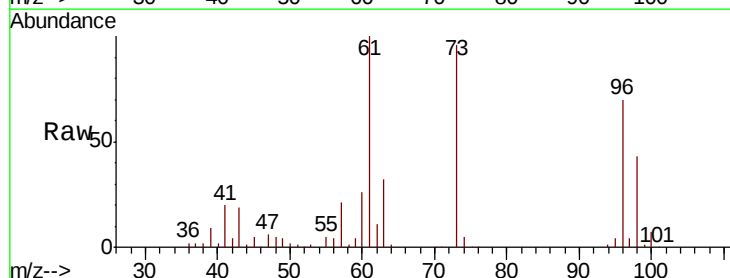
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



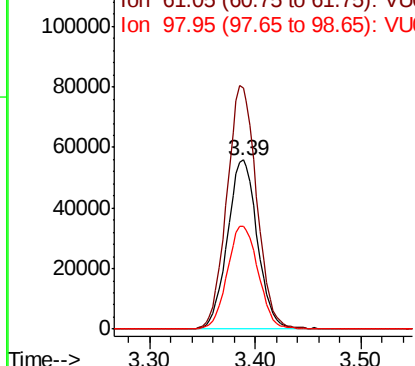
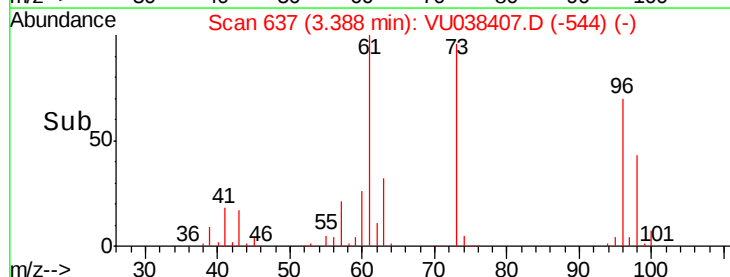
#18

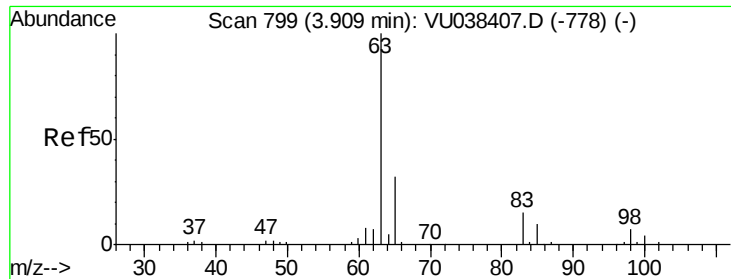
trans-1,2-Dichloroethene
 Concen: 4.921 ug/L
 RT: 3.39 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VU038407.D
 Acq: 30 May 2020 11:59

Tgt Ion: 96 Resp: 110064
 Ion Ratio Lower Upper
 96 100
 61 143.1 100.2 186.0
 98 61.1 42.8 79.4



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

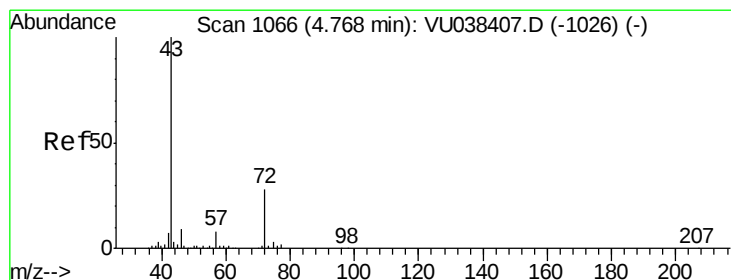
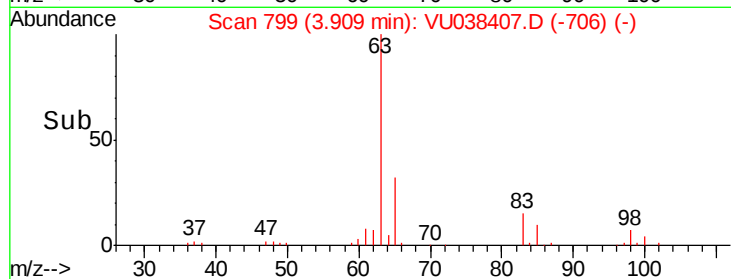
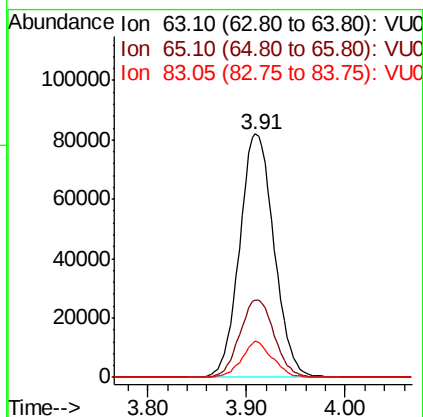
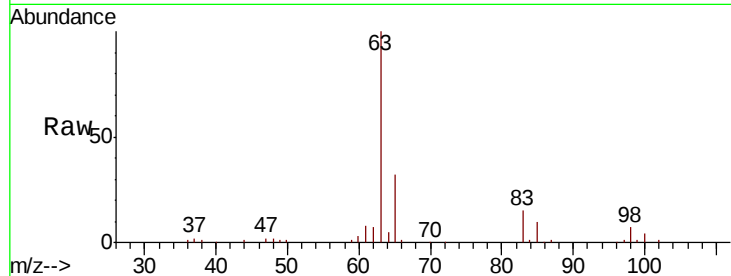




#19
 1,1-Dichloroethane
 Concen: 4.941 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU038407.D
 Acq: 30 May 2020 11:59

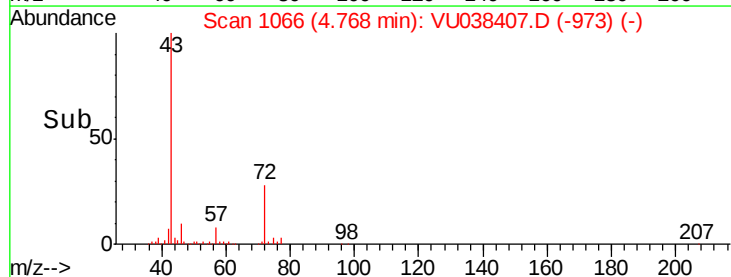
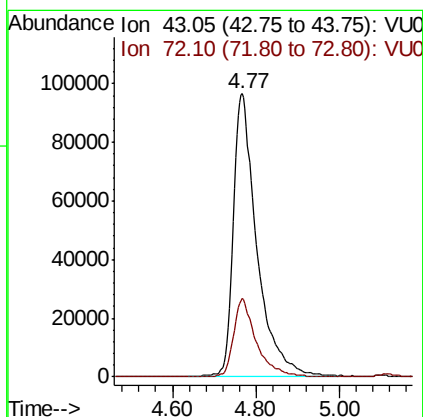
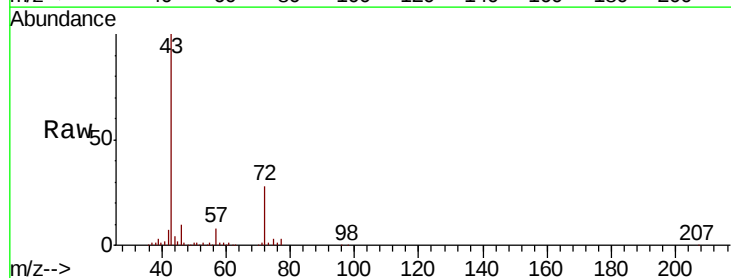
Instrument :
 MSVOA_U
 ClientSampled :

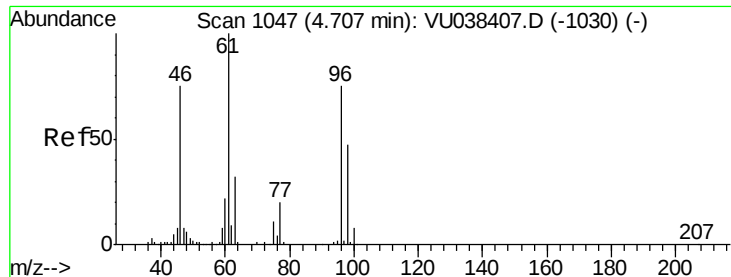
Tot Ion: 63 Resp: 197735
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.3 41.5
 83 14.9 10.4 19.4



#21
 2-Butanone
 Concen: 52.247 ug/L
 RT: 4.77 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VU038407.D
 Acq: 30 May 2020 11:59

Tgt Ion: 43 Resp: 381005
 Ion Ratio Lower Upper
 43 100
 72 25.2 12.6 37.8





#22

cis-1,2-Dichloroethene

Concen: 4.941 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038407.D

Acq: 30 May 2020 11:59

Instrument :

MSVOA_U

ClientSampleId :

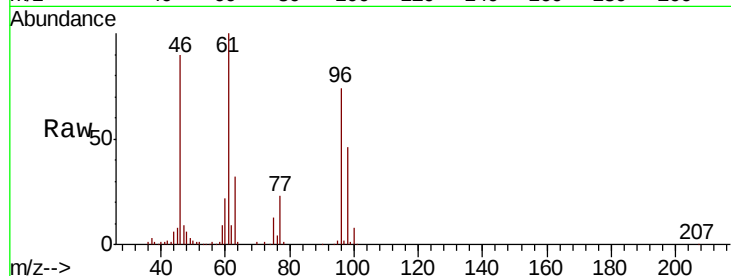
Tot Ion: 96 Resp: 118986

Ion Ratio Lower Upper

96 100

61 134.3 94.0 174.6

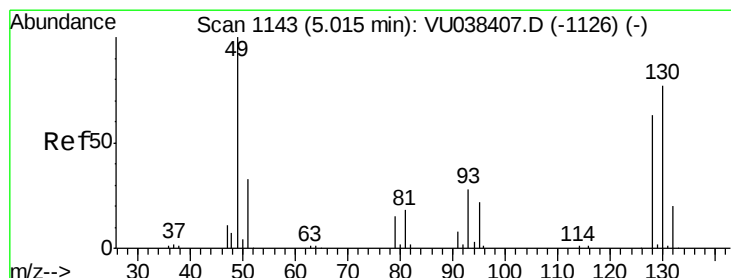
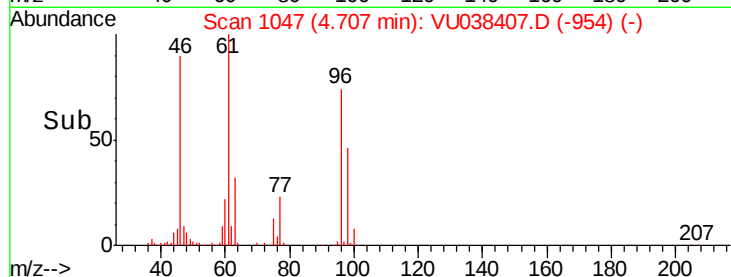
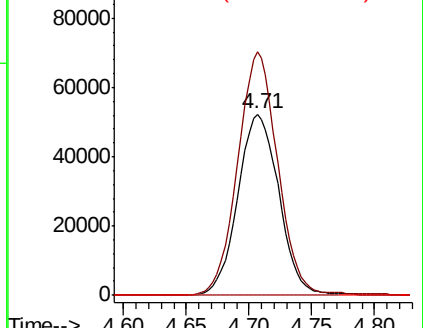
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038407.D (-1030) (-)

Ion 61.05 (60.75 to 61.75): VU038407.D (-1030) (-)

Ion 68.15 (67.85 to 68.85): VU038407.D (-1030) (-)



#23

Bromochloromethane

Concen: 4.822 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU038407.D

Acq: 30 May 2020 11:59

Tgt Ion: 128 Resp: 52263

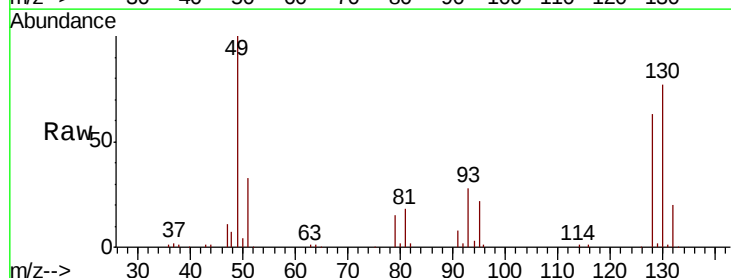
Ion Ratio Lower Upper

128 100

49 159.8 111.9 207.7

130 123.6 86.5 160.7

51 52.1 41.7 62.5

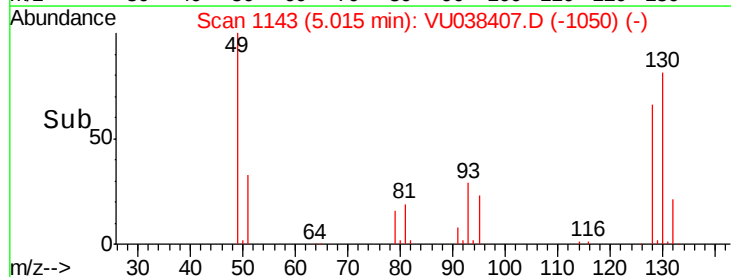
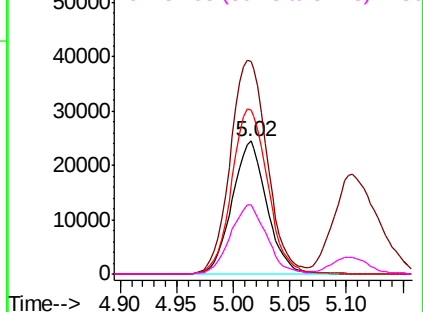


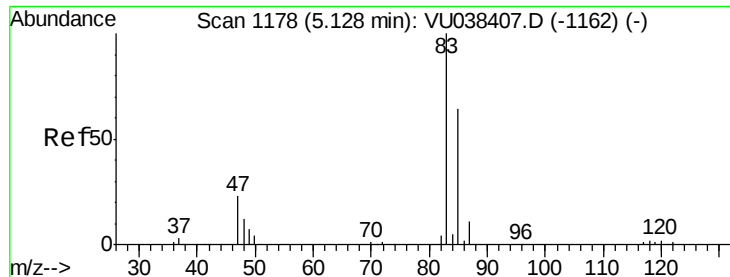
Abundance Ion 127.90 (127.60 to 128.60): VU038407.D (-1126) (-)

Ion 49.10 (48.80 to 49.80): VU038407.D (-1126) (-)

Ion 129.95 (129.65 to 130.65): VU038407.D (-1126) (-)

Ion 51.05 (50.75 to 51.75): VU038407.D (-1126) (-)

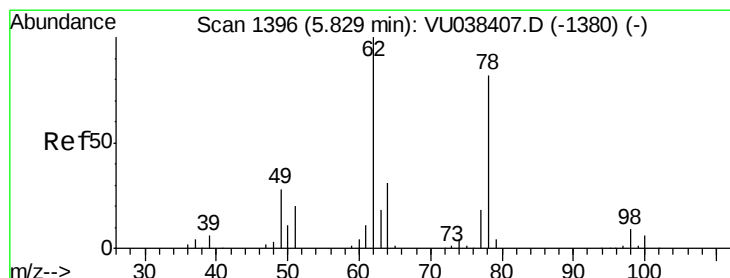
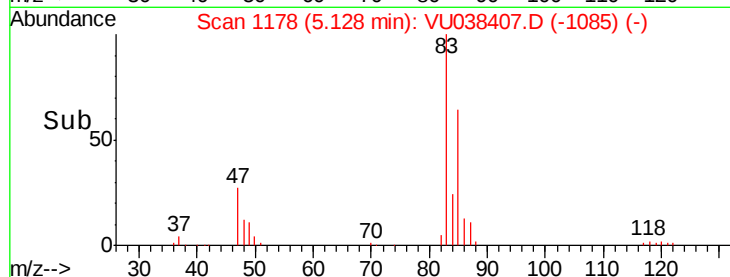
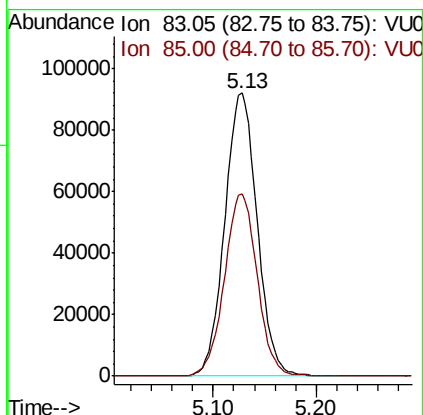
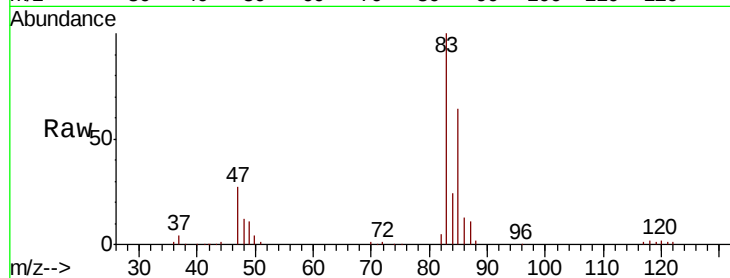




#25
Chloroform
Concen: 4.955 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038407.D
Acq: 30 May 2020 11:59

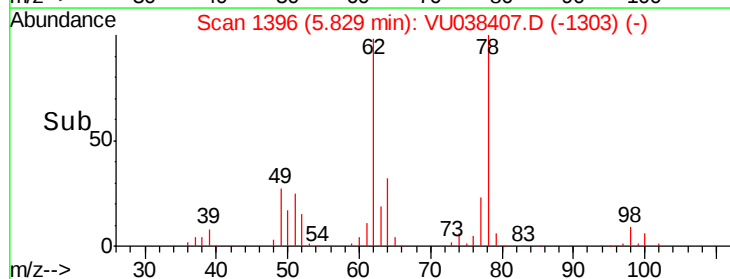
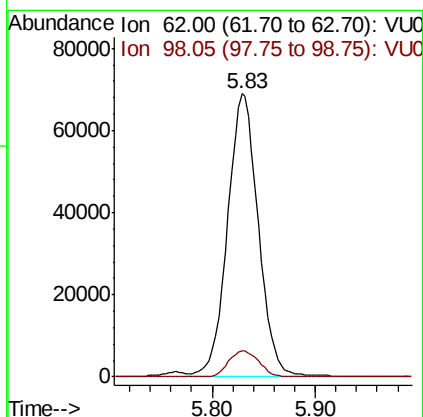
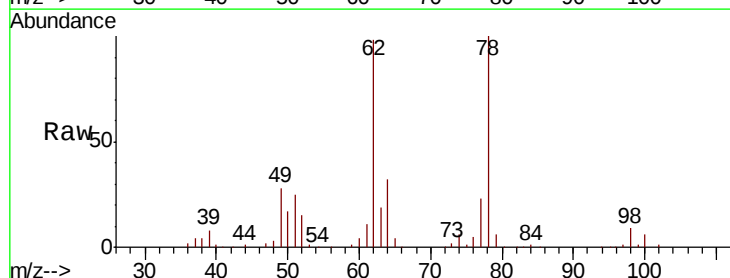
Instrument :
MSVOA_U
ClientSampled :

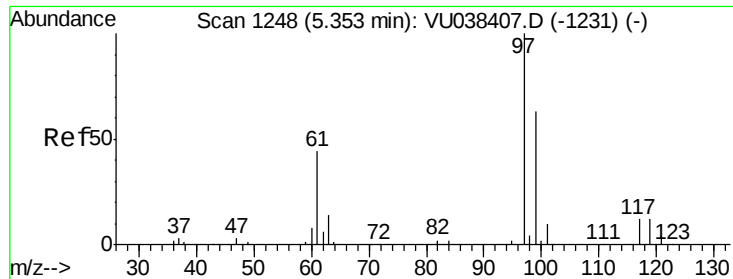
Tot Ion: 83 Resp: 201443
Ion Ratio Lower Upper
83 100
85 64.2 44.9 83.5



#27
1,2-Dichloroethane
Concen: 4.992 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038407.D
Acq: 30 May 2020 11:59

Tgt Ion: 62 Resp: 142874
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2

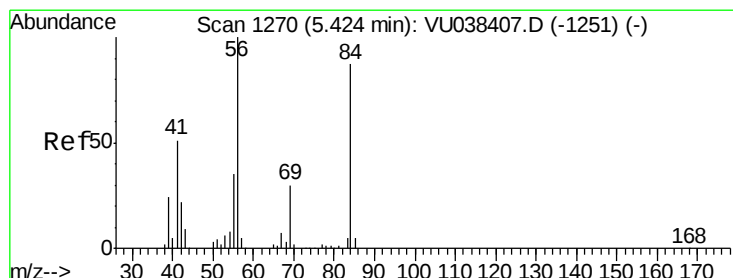
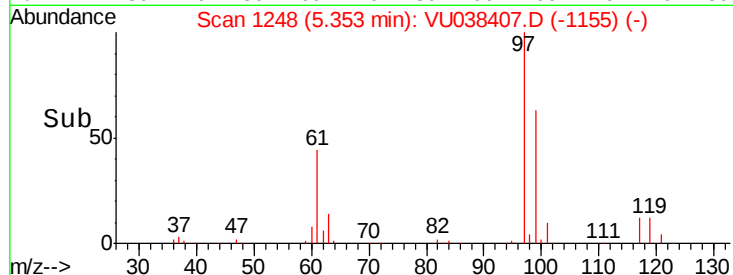
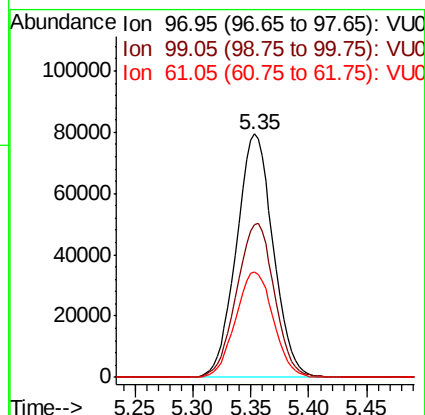
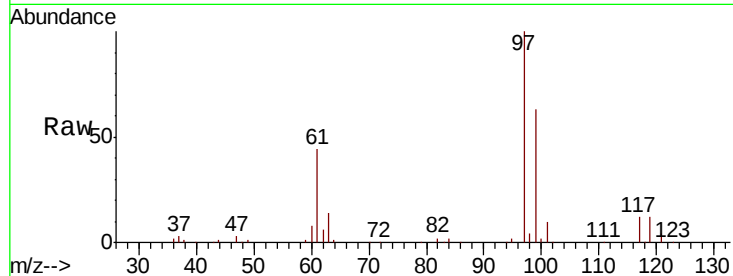




#29
 1,1,1-Trichloroethane
 Concen: 5.031 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038407.D
 Acq: 30 May 2020 11:59

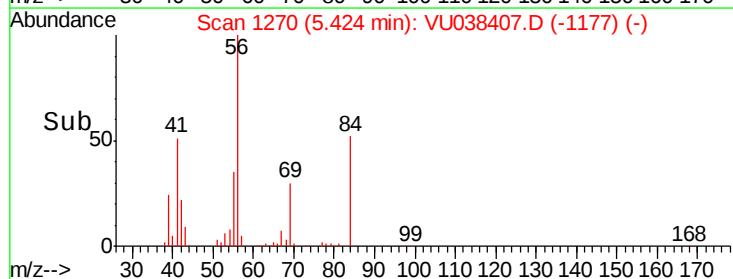
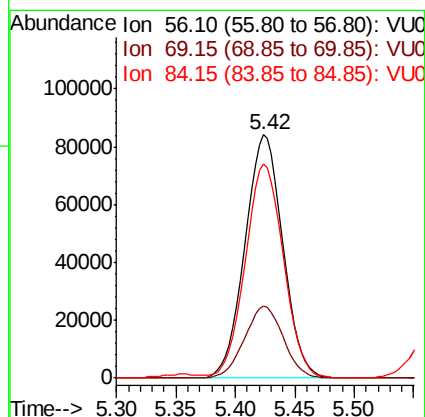
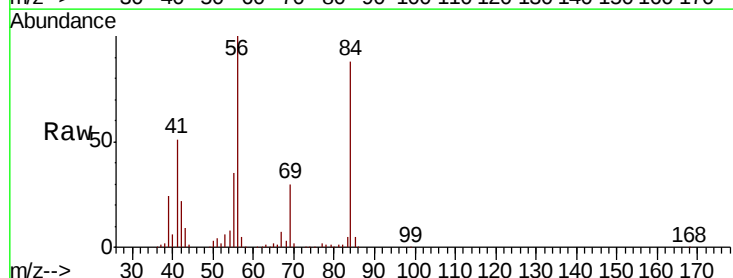
Instrument :
 MSVOA_U
 ClientSampleId :

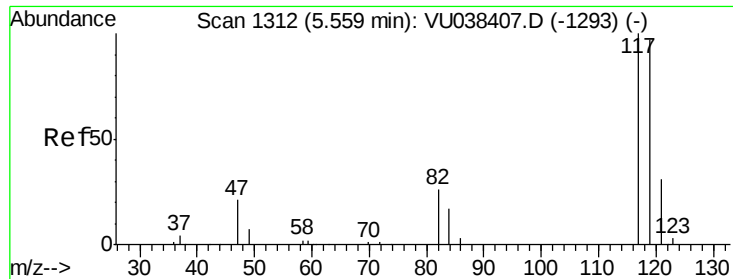
Tot Ion: 97 Resp: 174831
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.2 78.2
 61 44.3 35.4 53.2



#30
 Cyclohexane
 Concen: 5.094 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038407.D
 Acq: 30 May 2020 11:59

Tgt Ion: 56 Resp: 185630
 Ion Ratio Lower Upper
 56 100
 69 30.3 24.2 36.4
 84 88.5 70.8 106.2

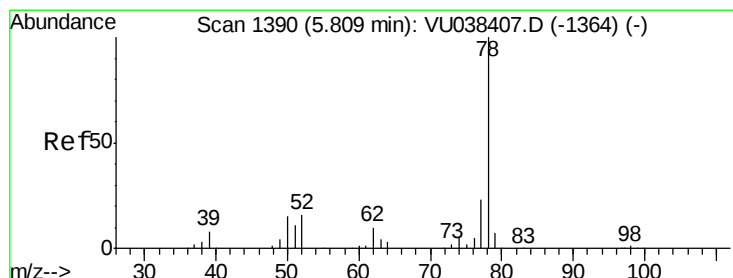
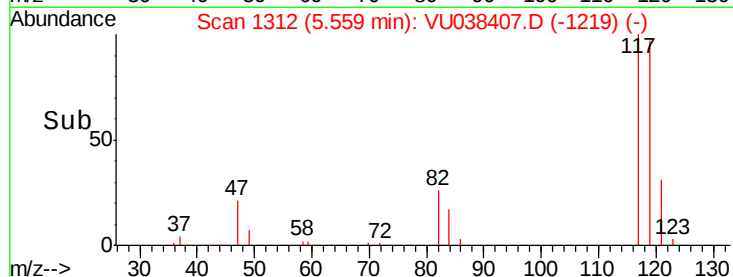
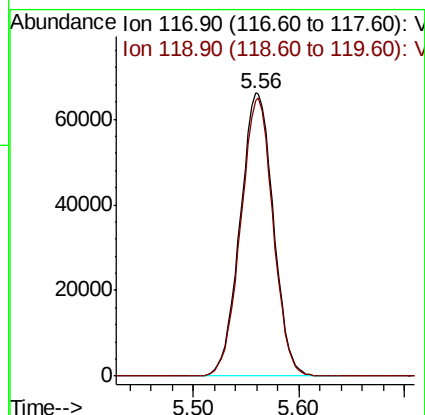
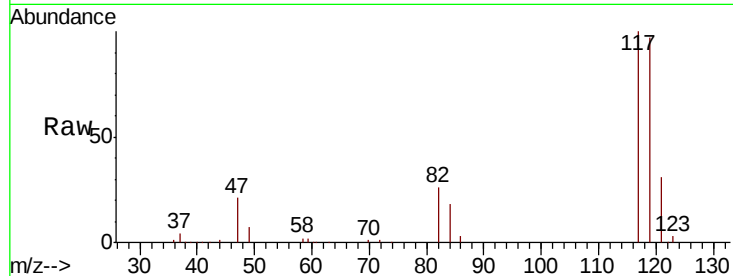




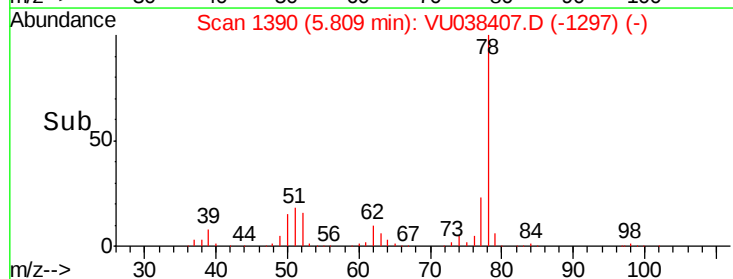
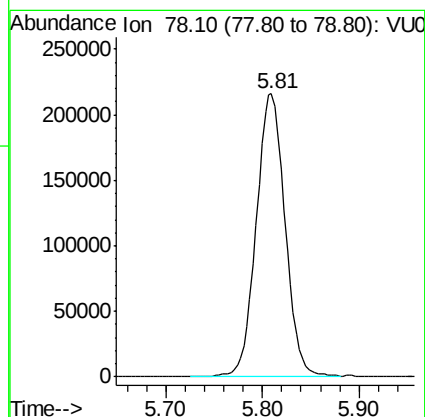
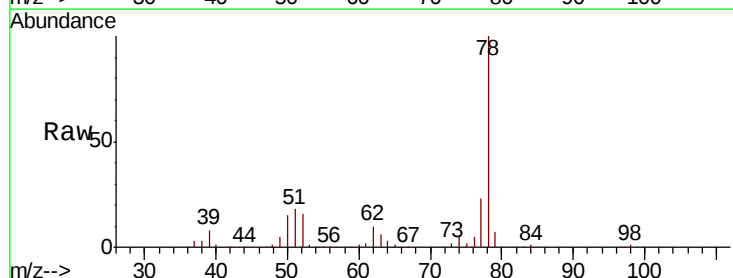
#31
Carbon tetrachloride
Concen: 4.996 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU038407.D
Acq: 30 May 2020 11:59

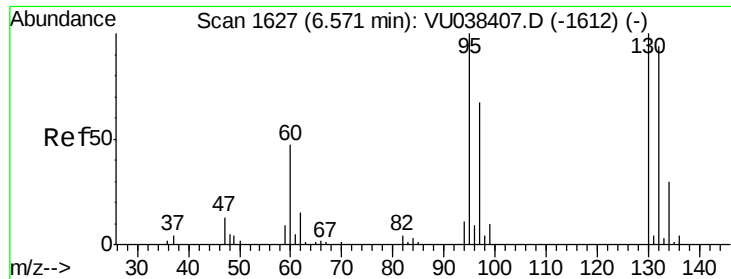
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 144532
Ion Ratio Lower Upper
117 100
119 95.8 76.6 115.0



#33
Benzene
Concen: 4.887 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU038407.D
Acq: 30 May 2020 11:59
Tgt Ion: 78 Resp: 447505

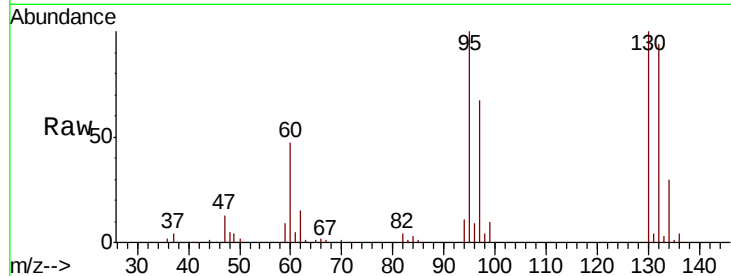




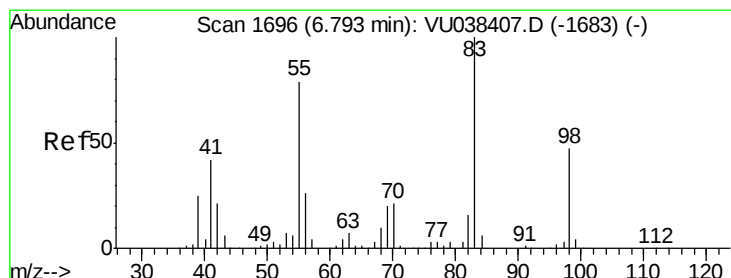
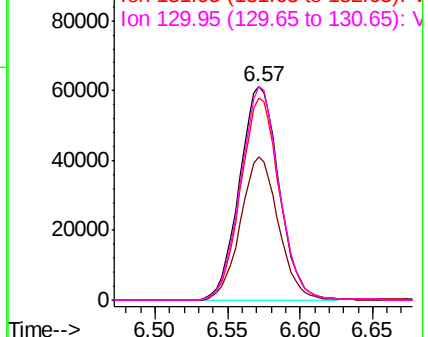
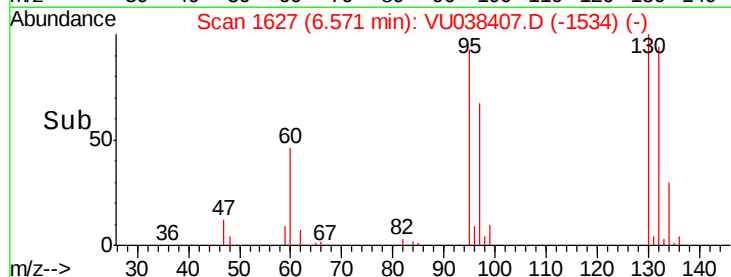
#34
 Trichloroethene
 Concen: 4.893 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038407.D
 Acq: 30 May 2020 11:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 116292
 Ion Ratio Lower Upper
 95 100
 97 66.9 46.8 87.0
 132 94.4 66.1 122.7
 130 100.0 70.0 130.0

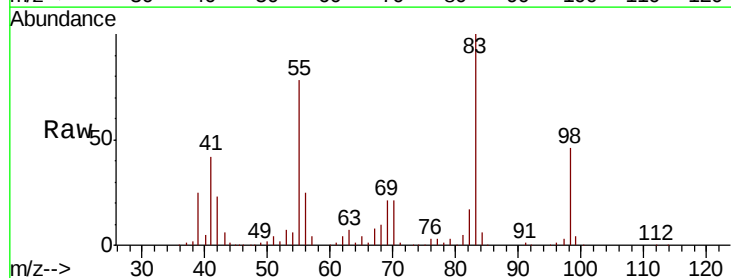


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

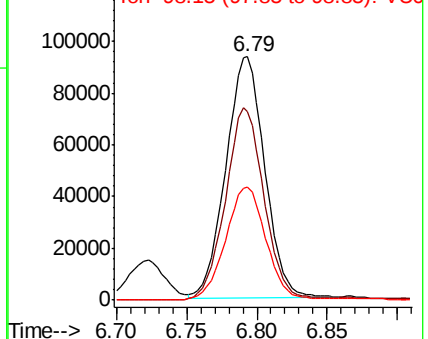
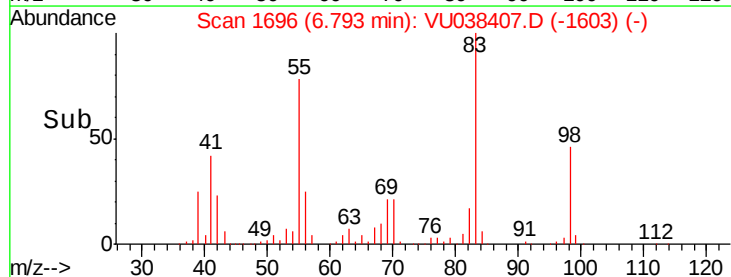


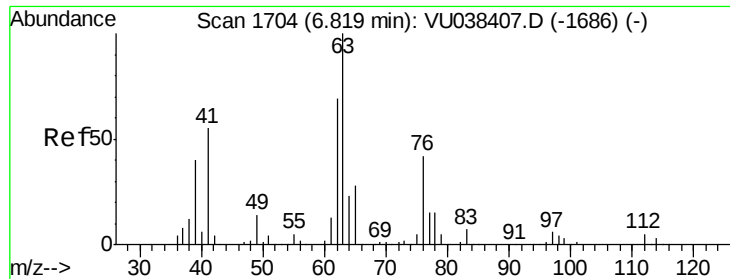
#35
 Methylcyclohexane
 Concen: 4.882 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU038407.D
 Acq: 30 May 2020 11:59

Tgt Ion: 83 Resp: 179652
 Ion Ratio Lower Upper
 83 100
 55 79.3 63.4 95.2
 98 48.7 39.0 58.4



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

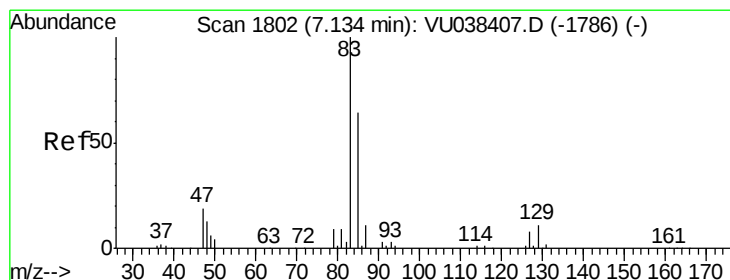
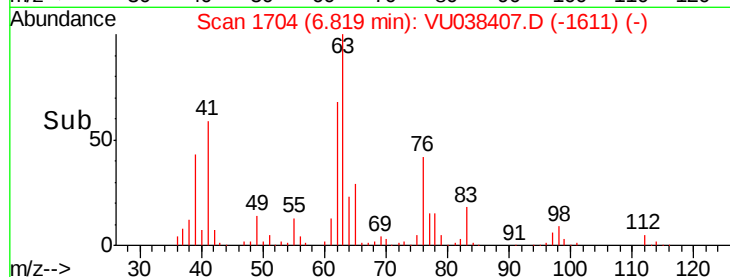
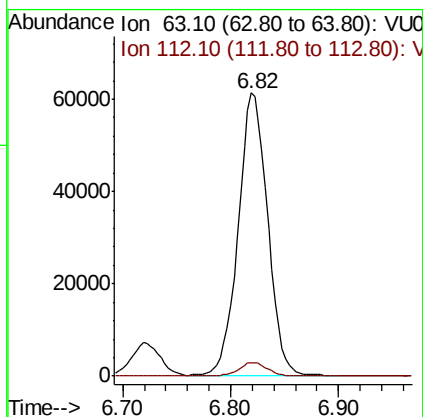
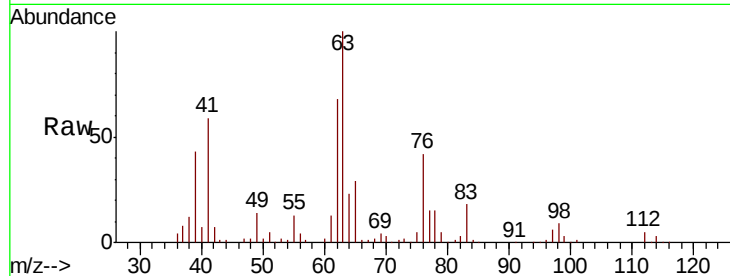




#37
 1,2-Dichloropropane
 Concen: 5.052 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VU038407.D
 Acq: 30 May 2020 11:59

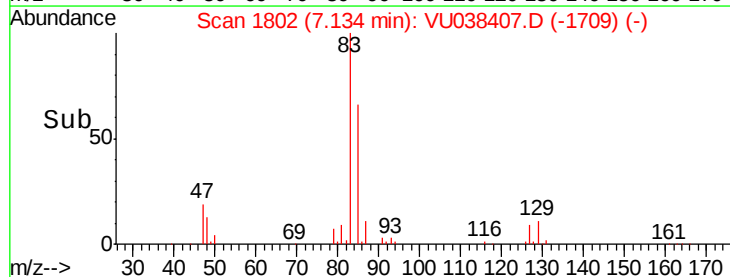
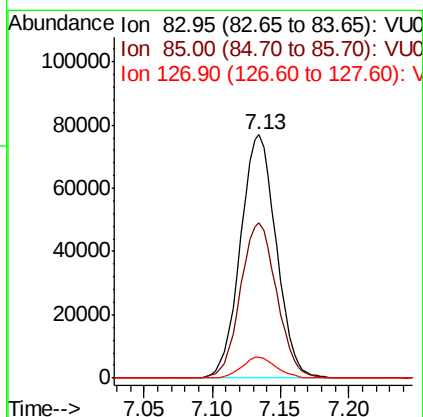
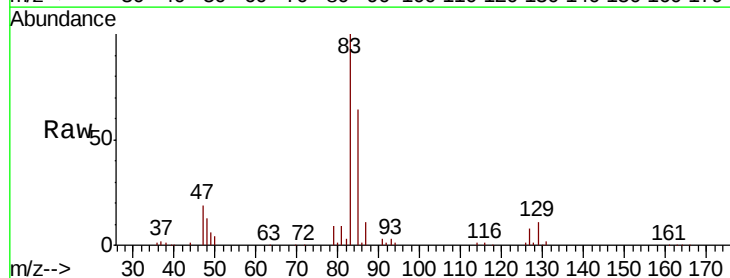
Instrument :
 MSVOA_U
 ClientSampleId :

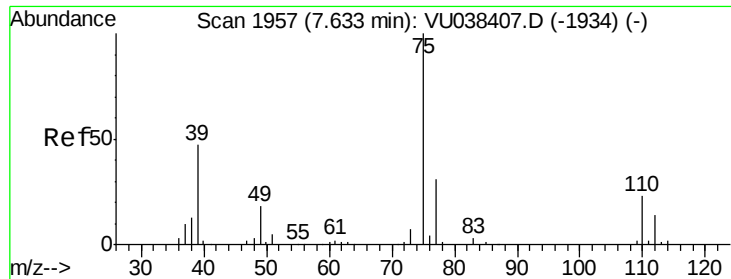
Tot Ion: 63 Resp: 116412
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#38
 Bromodichloromethane
 Concen: 4.910 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038407.D
 Acq: 30 May 2020 11:59

Tgt Ion: 83 Resp: 140507
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.7 83.1
 127 8.5 6.8 10.2

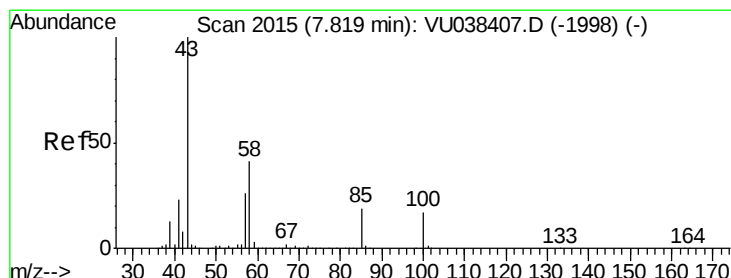
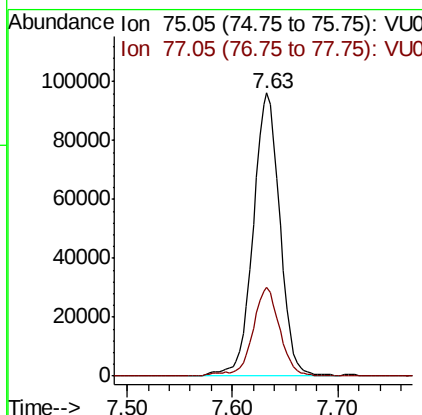
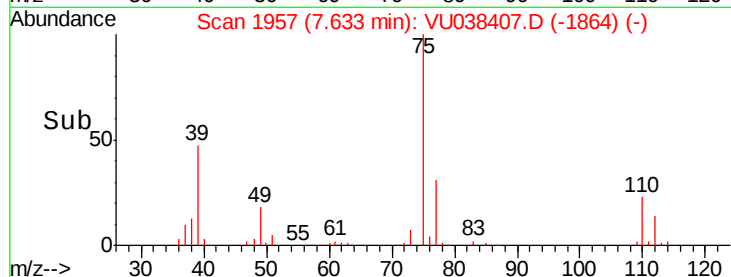
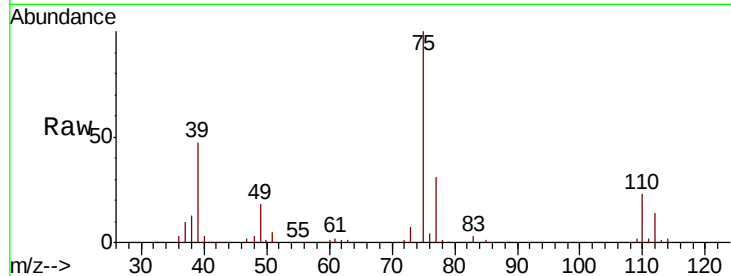




#39
 cis-1,3-Dichloropropene
 Concen: 4.999 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038407.D
 Acq: 30 May 2020 11:59

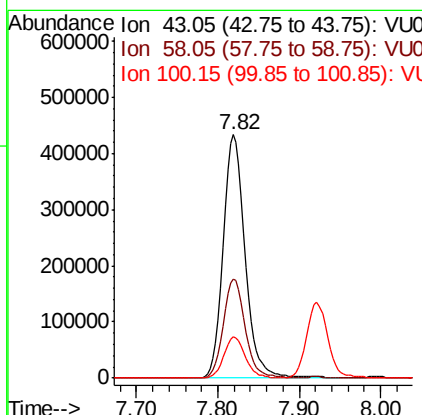
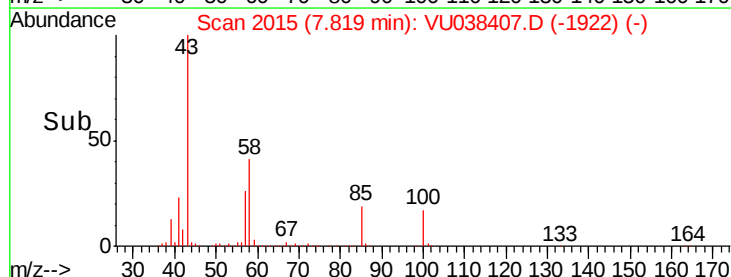
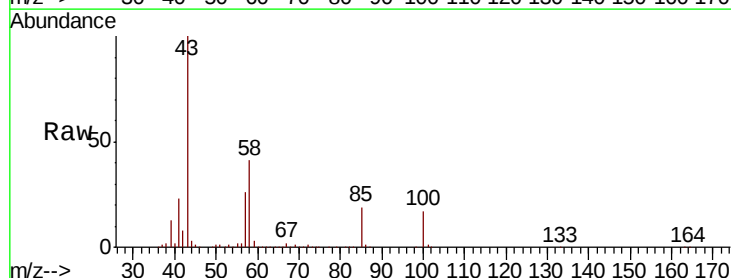
Instrument :
 MSVOA_U
 ClientSampleId :

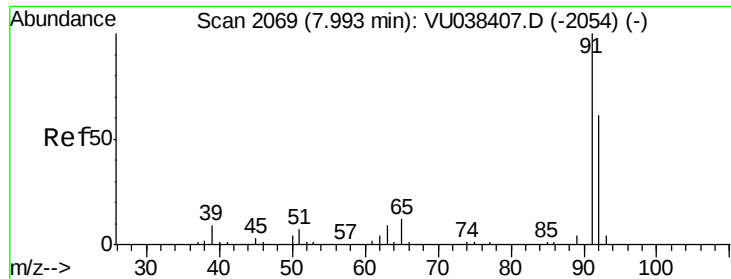
Tot Ion: 75 Resp: 170259
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 50.241 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038407.D
 Acq: 30 May 2020 11:59

Tgt Ion: 43 Resp: 827962
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.4 48.6
 100 16.6 13.3 19.9





#42

Toluene

Concen: 4.959 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038407.D

Acq: 30 May 2020 11:59

Instrument :

MSVOA_U

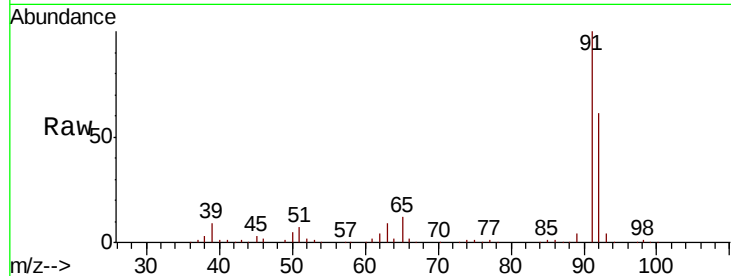
ClientSampleId :

Tot Ion: 91 Resp: 476319

Ion Ratio Lower Upper

91 100

92 61.4 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038407.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038407.D (-2054) (-)

7.99

300000

250000

200000

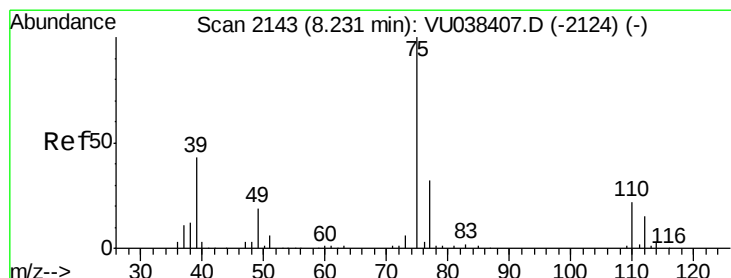
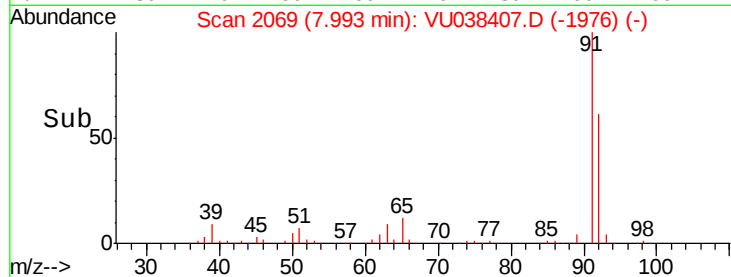
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.017 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU038407.D

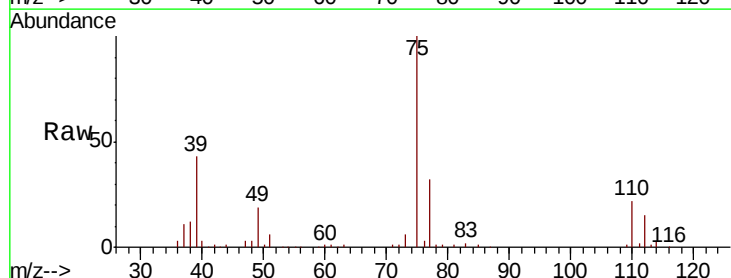
Acq: 30 May 2020 11:59

Tgt Ion: 75 Resp: 150893

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU038407.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU038407.D (-2124) (-)

8.23

100000

80000

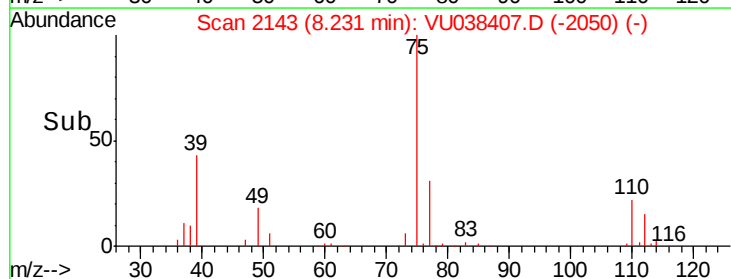
60000

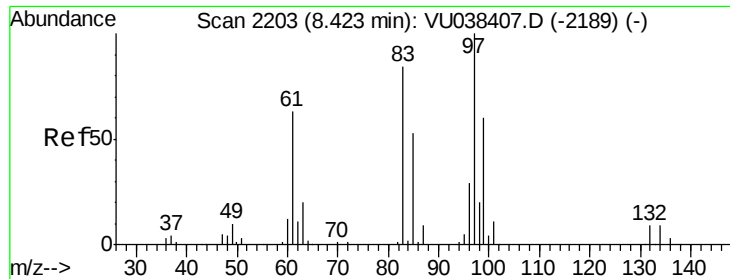
40000

20000

0

Time-->

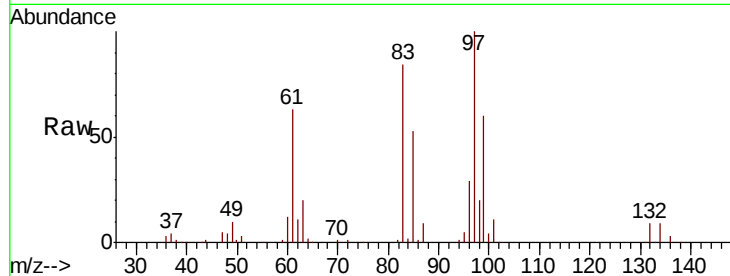




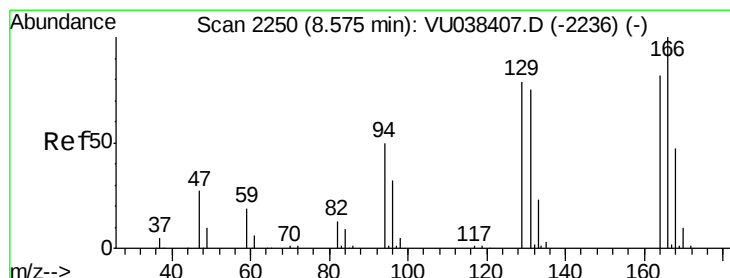
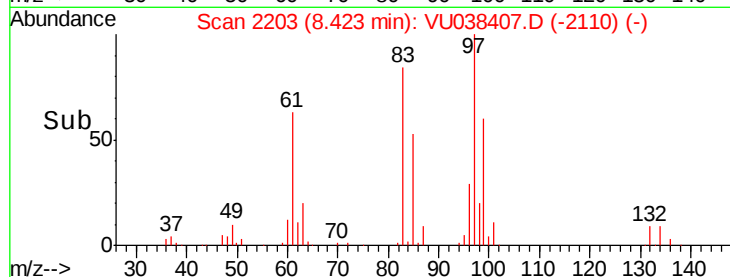
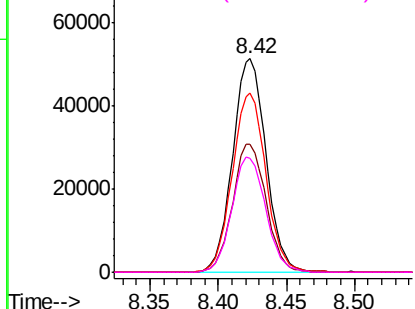
#45
 1,1,2-Trichloroethane
 Concen: 5.004 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU038407.D
 Acq: 30 May 2020 11:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	86993
Ion	Ratio	Lower	Upper
97	100		
99	60.1	42.1	78.1
83	84.0	58.8	109.2
85	53.4	37.4	69.4

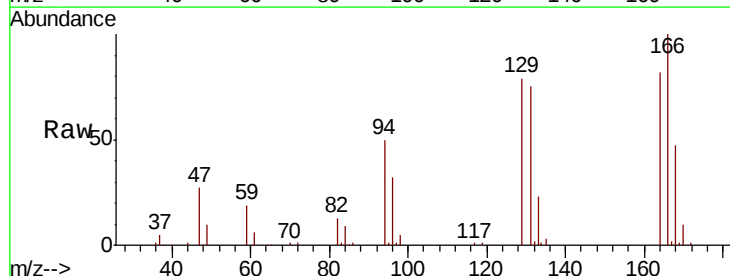


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

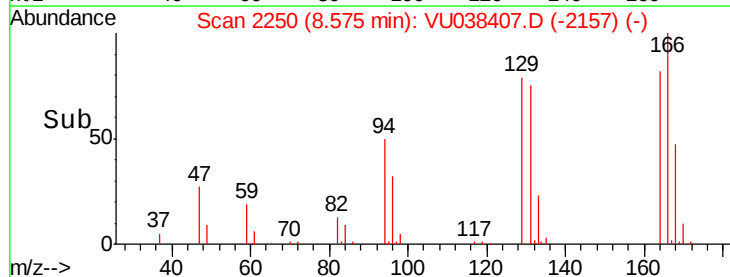
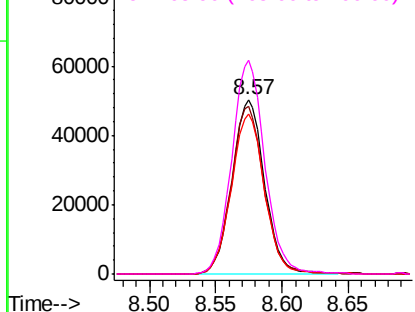


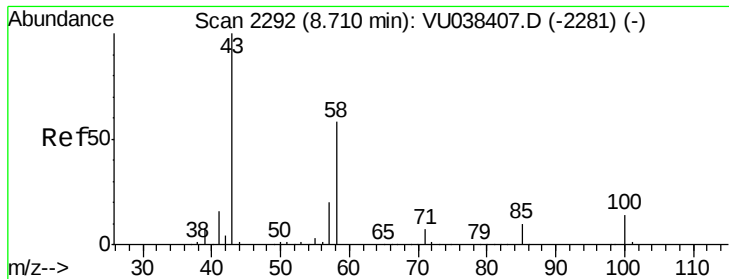
#47
 Tetrachloroethene
 Concen: 4.954 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038407.D
 Acq: 30 May 2020 11:59

Tgt Ion:	164	Resp:	85541
Ion	Ratio	Lower	Upper
164	100		
129	96.3	67.4	125.2
131	91.6	64.1	119.1
166	122.4	85.7	159.1



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

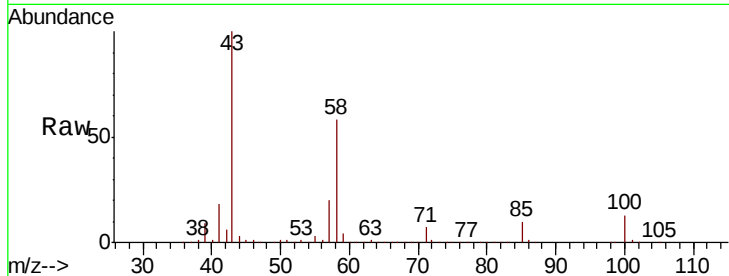




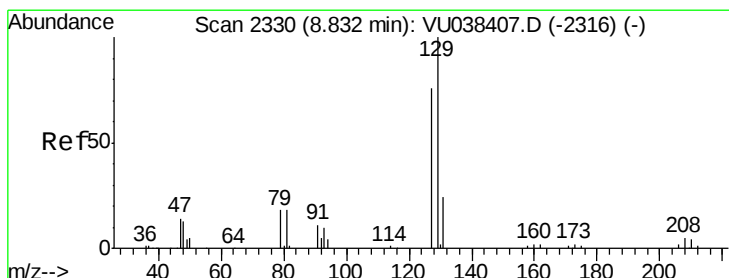
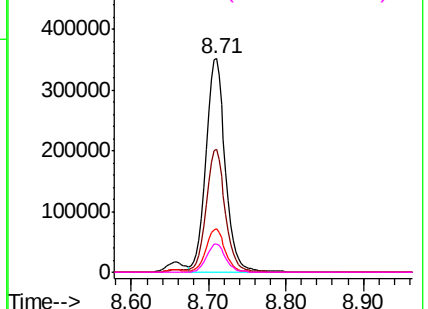
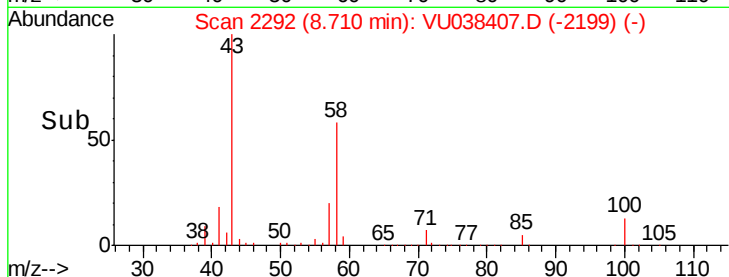
#48
2-Hexanone
Concen: 49.570 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038407.D
Acq: 30 May 2020 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 618664
Ion Ratio Lower Upper
43 100
58 56.7 45.4 68.0
57 19.9 15.9 23.9
100 13.1 10.5 15.7

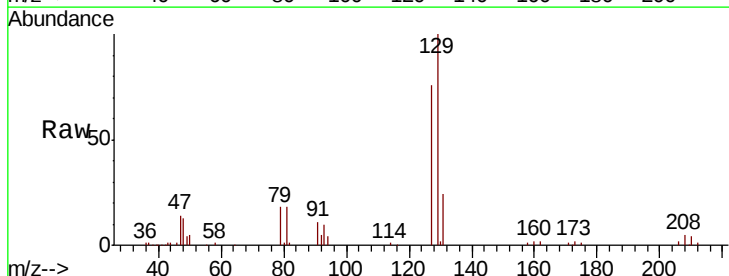


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

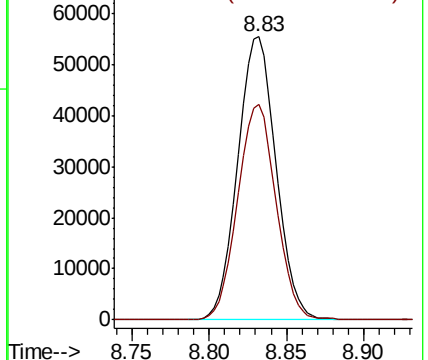
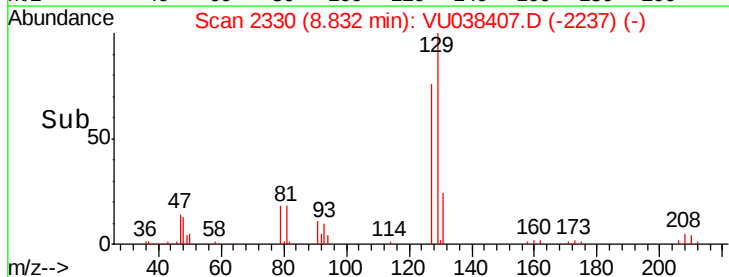


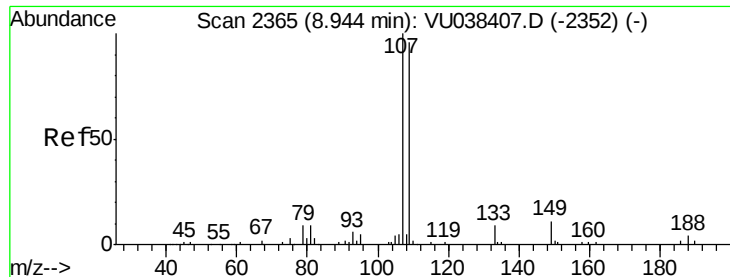
#49
Dibromochloromethane
Concen: 5.101 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038407.D
Acq: 30 May 2020 11:59

Tgt Ion: 129 Resp: 95727
Ion Ratio Lower Upper
129 100
127 76.2 53.3 99.1



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

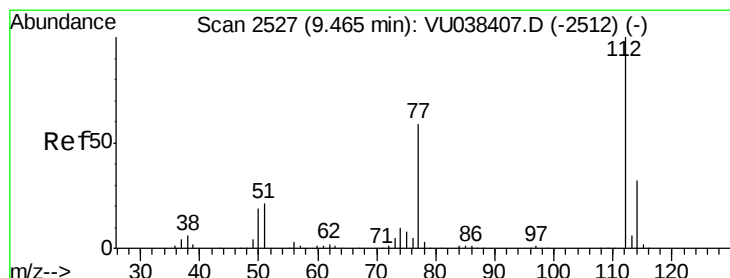
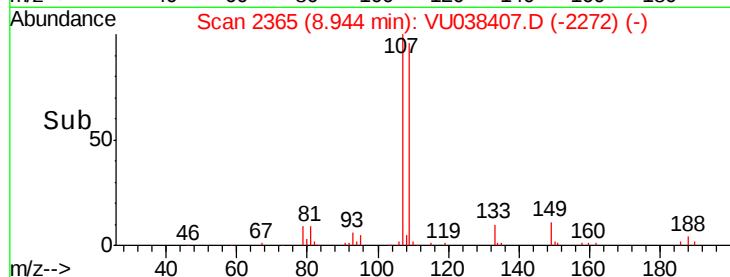
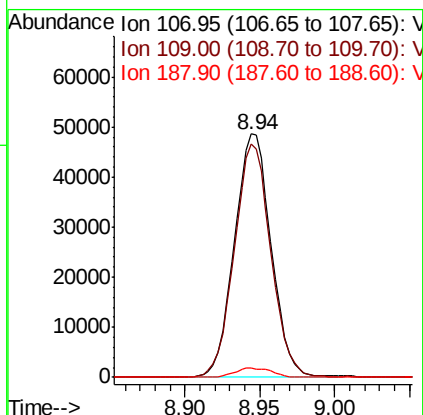
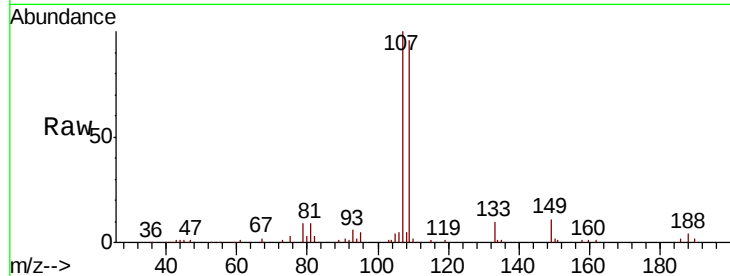




#50
1,2-Dibromoethane
Concen: 4.998 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VU038407.D
Acq: 30 May 2020 11:59

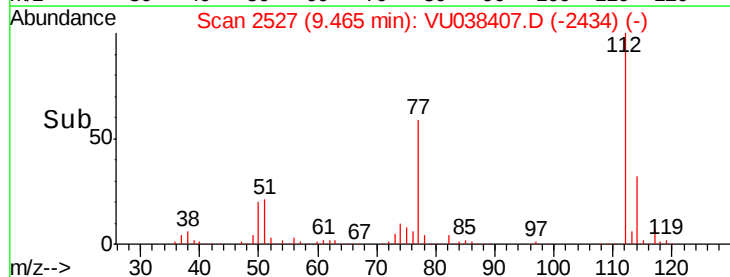
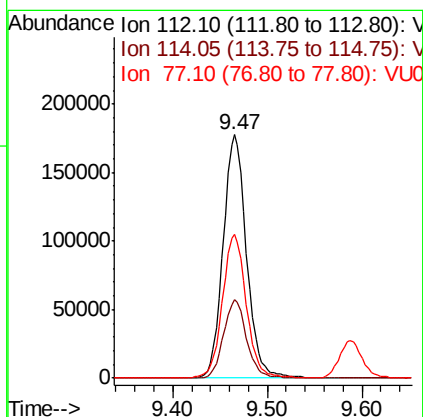
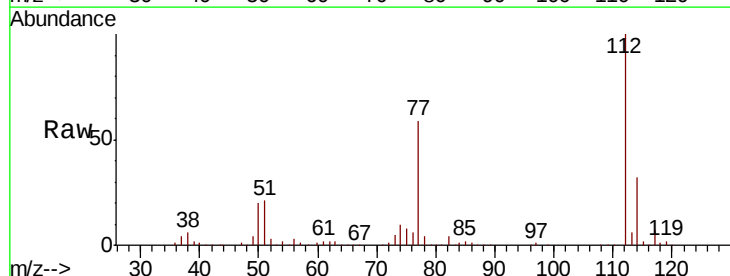
Instrument :
MSVOA_U
ClientSampleId :

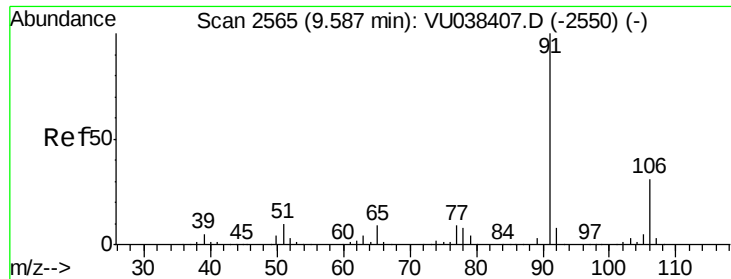
Tot Ion:107 Resp: 83198
Ion Ratio Lower Upper
107 100
109 95.7 67.0 124.4
188 3.7 3.0 4.4



#51
Chlorobenzene
Concen: 4.927 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU038407.D
Acq: 30 May 2020 11:59

Tgt Ion:112 Resp: 305218
Ion Ratio Lower Upper
112 100
114 32.0 22.4 41.6
77 58.9 47.1 70.7

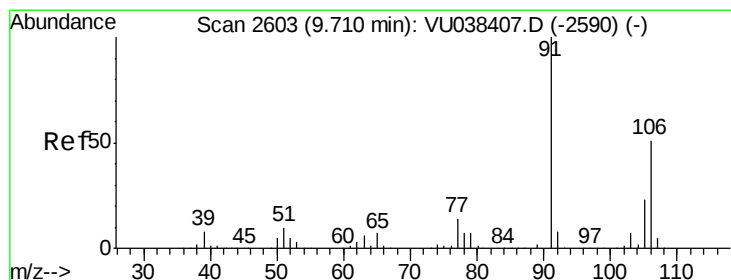
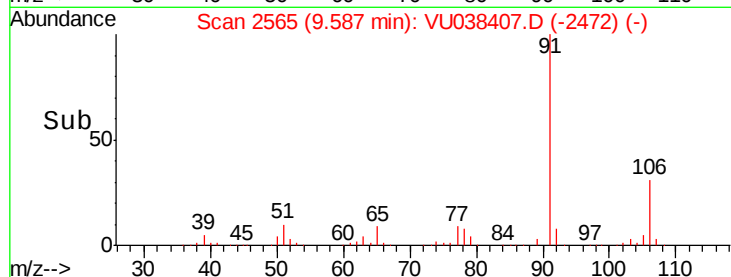
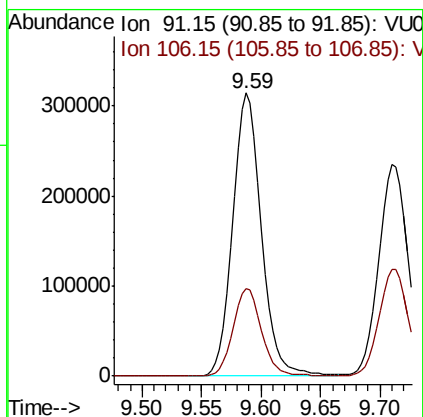
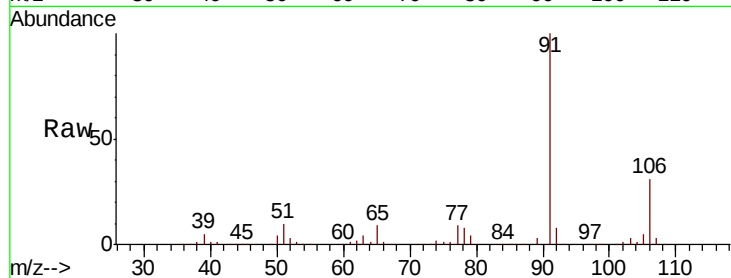




#52
Ethylbenzene
Concen: 4.915 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. 0.00 min
Lab File: VU038407.D
Acq: 30 May 2020 11:59

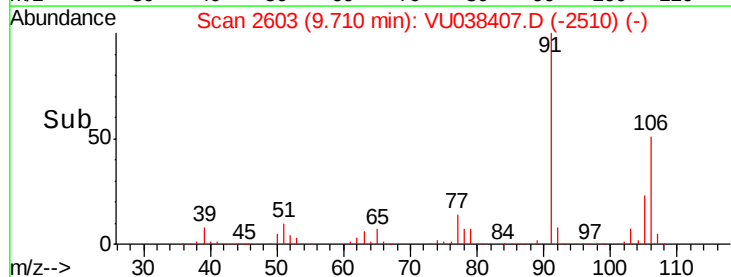
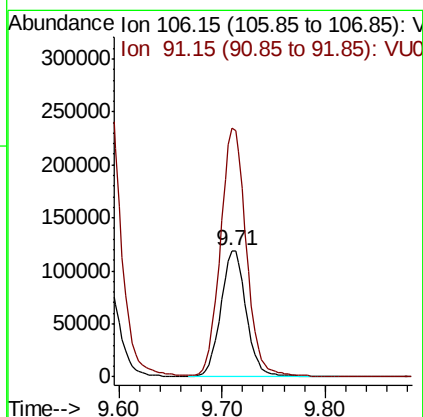
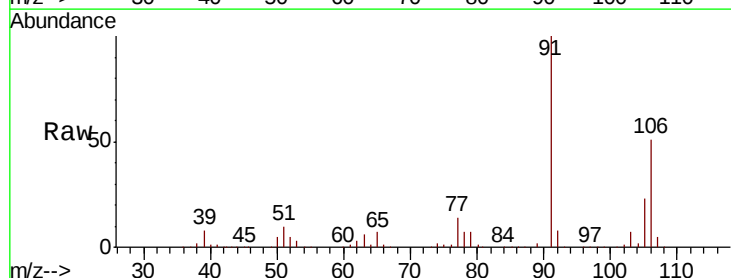
Instrument :
MSVOA_U
ClientSampleId :

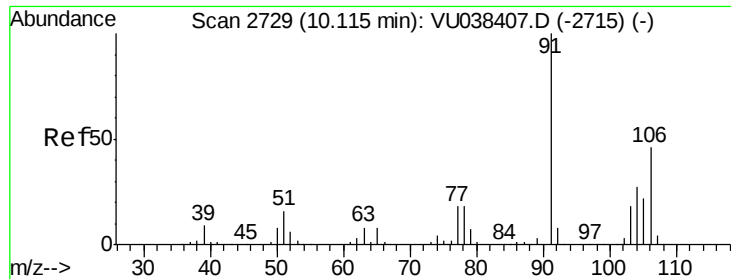
Tot Ion: 91 Resp: 525244
Ion Ratio Lower Upper
91 100
106 31.0 21.7 40.3



#53
m,p-Xylene
Concen: 5.004 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VU038407.D
Acq: 30 May 2020 11:59

Tgt Ion: 106 Resp: 205652
Ion Ratio Lower Upper
106 100
91 197.3 138.1 256.5





#54

o-Xylene

Concen: 5.009 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU038407.D

Acq: 30 May 2020 11:59

Instrument :

MSVOA_U

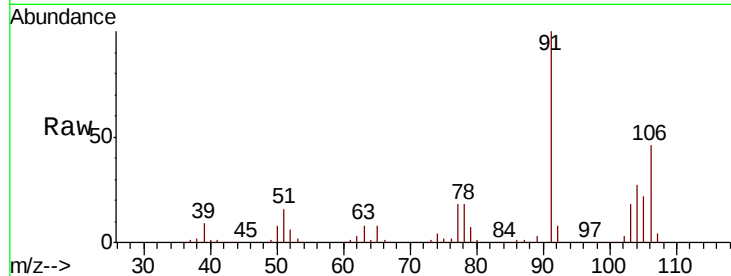
ClientSampleId :

Tot Ion:106 Resp: 197614

Ion Ratio Lower Upper

106 100

91 215.2 150.6 279.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

300000

250000

200000

150000

100000

50000

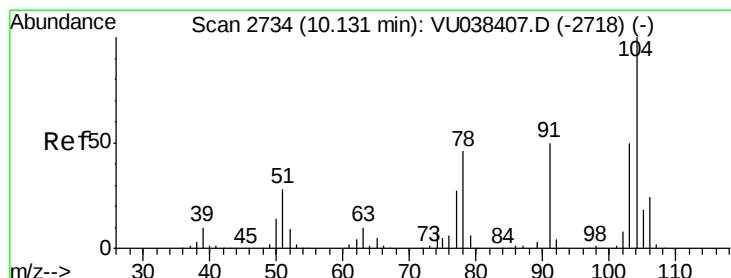
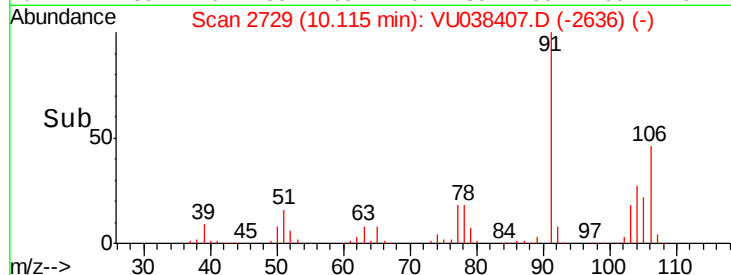
0

10.11

10.10

10.20

Time-->



#55

Styrene

Concen: 5.028 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU038407.D

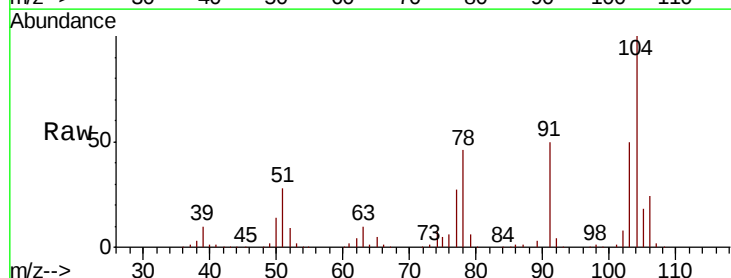
Acq: 30 May 2020 11:59

Tgt Ion:104 Resp: 336739

Ion Ratio Lower Upper

104 100

78 45.6 31.9 59.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0

200000

150000

100000

50000

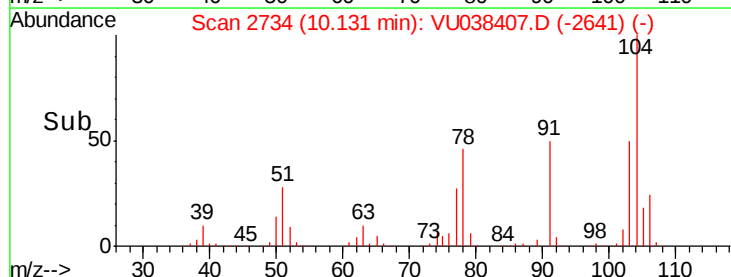
0

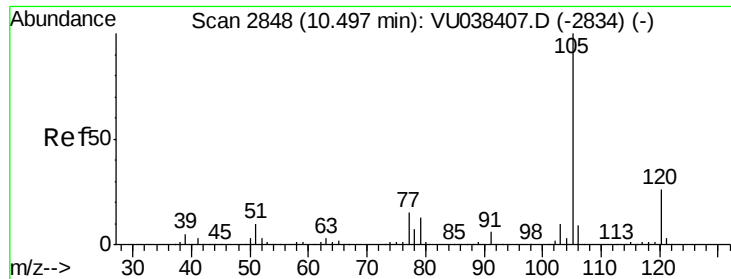
10.13

10.10

10.20

Time-->





#56

Isopropylbenzene

Concen: 4.998 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU038407.D

Acq: 30 May 2020 11:59

Instrument :

MSVOA_U

ClientSampleId :

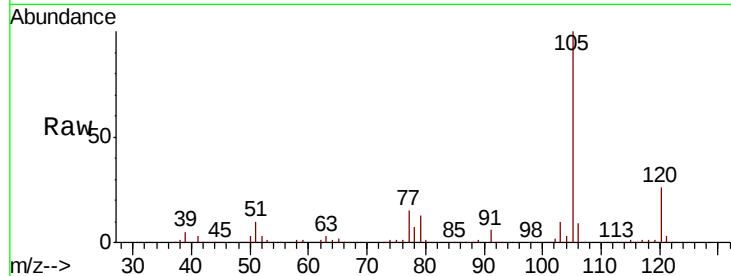
Tot Ion:105 Resp: 518993

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

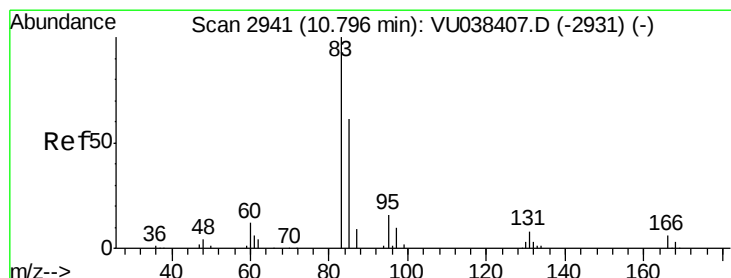
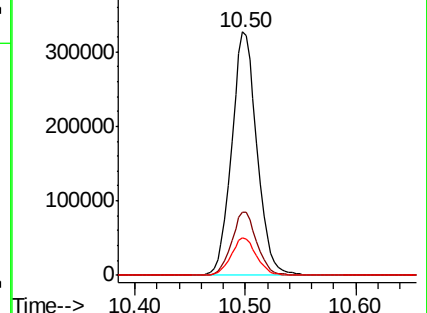
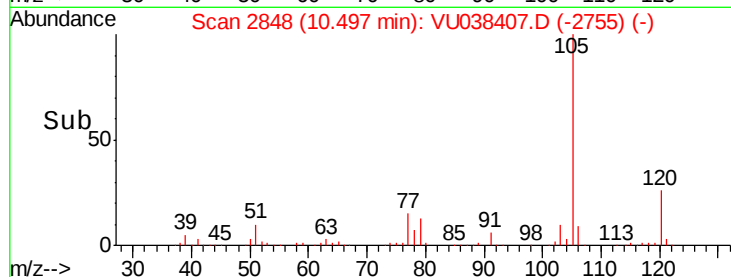
77 15.6 12.5 18.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.873 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU038407.D

Acq: 30 May 2020 11:59

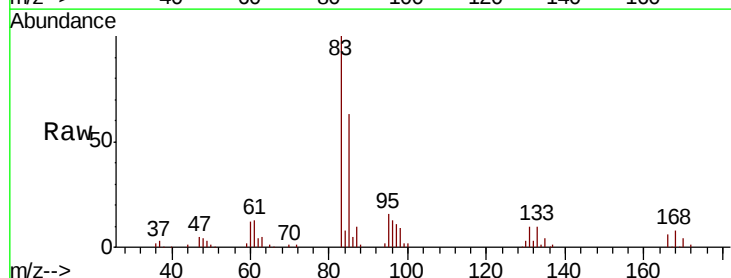
Tgt Ion: 83 Resp: 107662

Ion Ratio Lower Upper

83 100

85 63.1 44.2 82.0

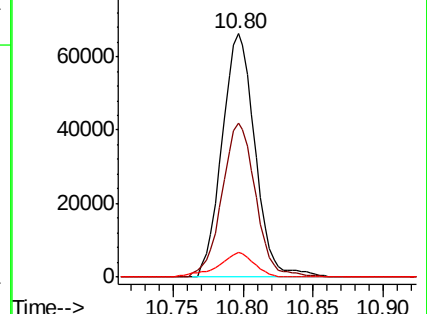
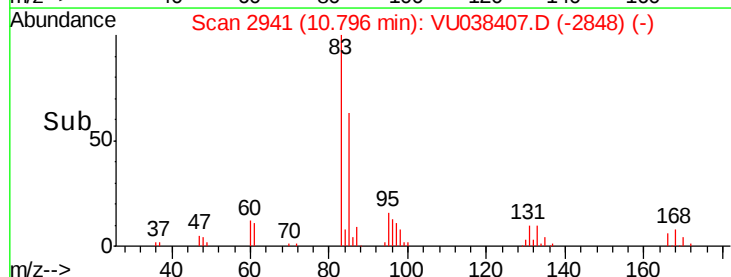
131 10.1 8.1 12.1

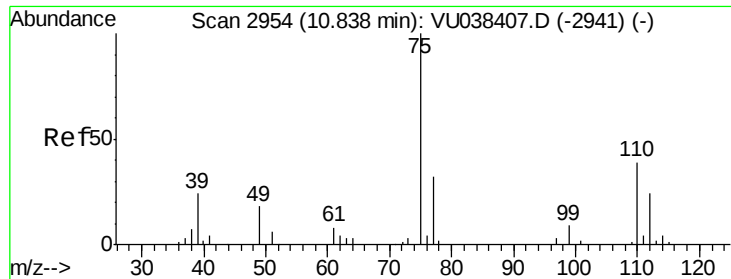


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.920 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU038407.D

Acq: 30 May 2020 11:59

Instrument :

MSVOA_U

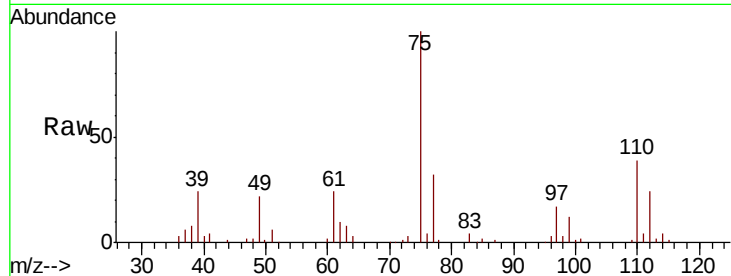
ClientSampleId :

Tot Ion: 75 Resp: 84622

Ion Ratio Lower Upper

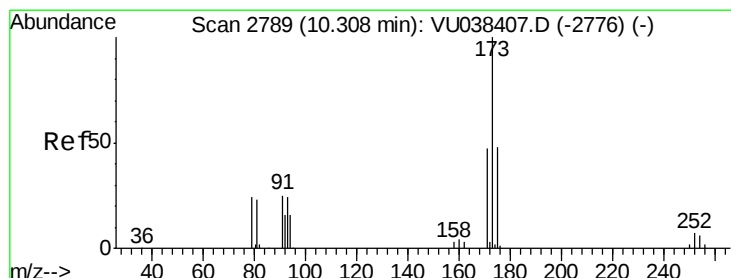
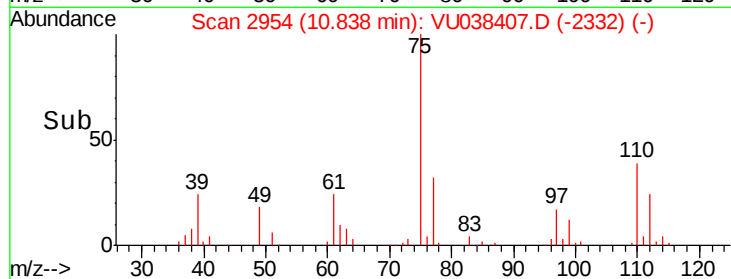
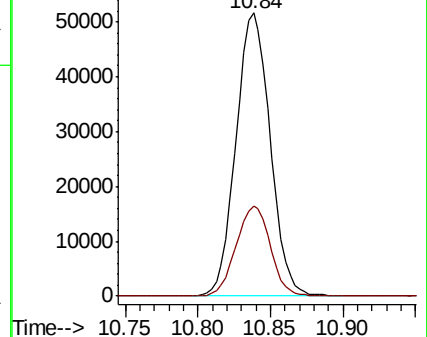
75 100

77 31.8 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU038407.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU038407.D (-2941) (-)



#61

Bromoform

Concen: 4.986 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU038407.D

Acq: 30 May 2020 11:59

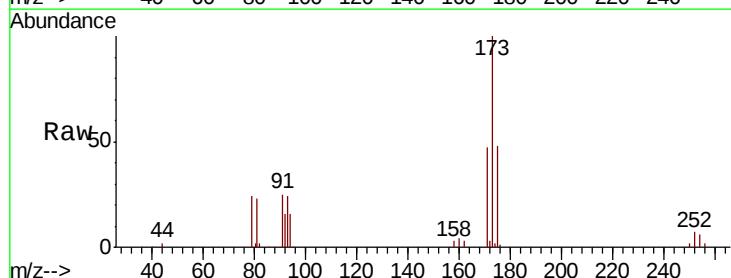
Tgt Ion: 173 Resp: 51699

Ion Ratio Lower Upper

173 100

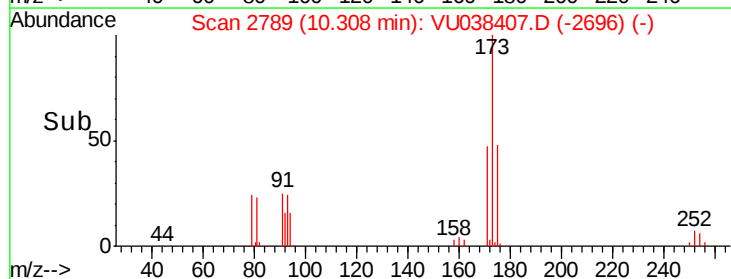
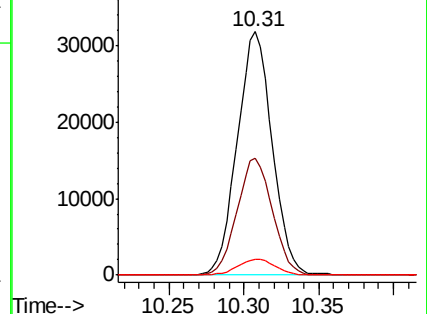
175 48.4 38.7 58.1

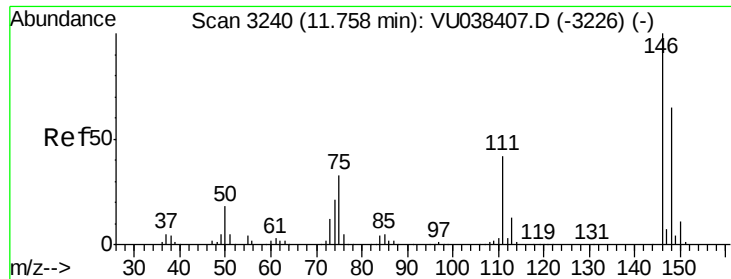
254 6.8 5.4 8.2



Abundance Ion 172.90 (172.60 to 173.60): VU038407.D (-2776) (-)

Ion 174.90 (174.60 to 175.60): VU038407.D (-2776) (-)

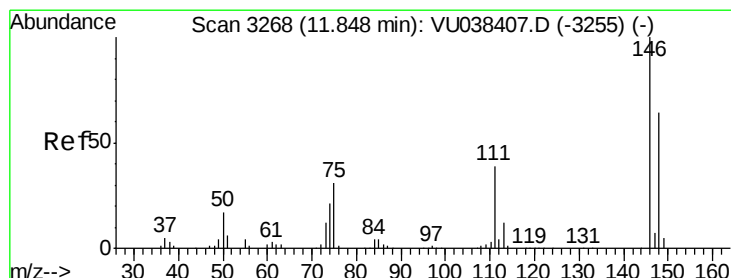
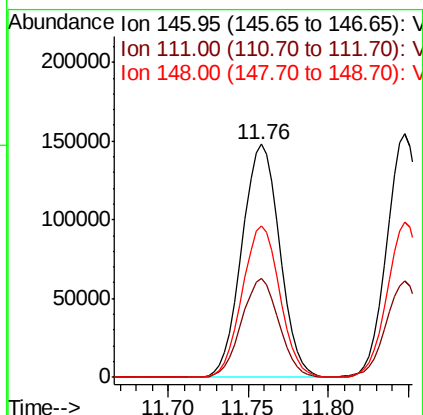
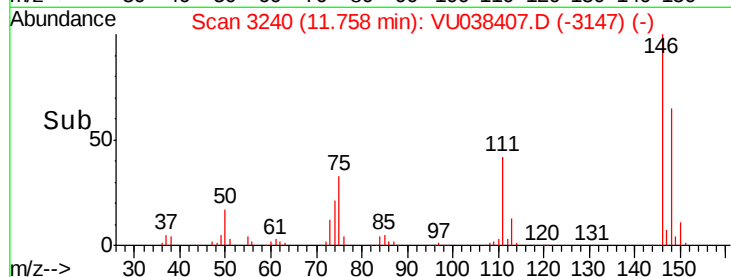
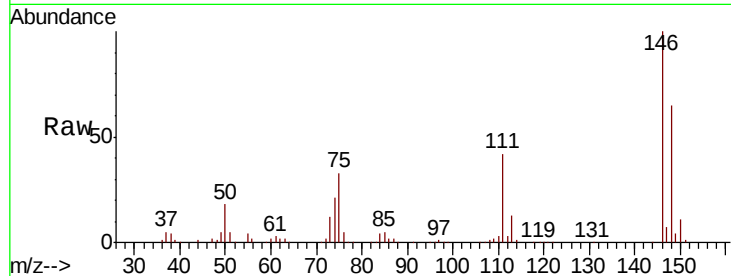




#62
 1,3-Dichlorobenzene
 Concen: 4.888 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU038407.D
 Acq: 30 May 2020 11:59

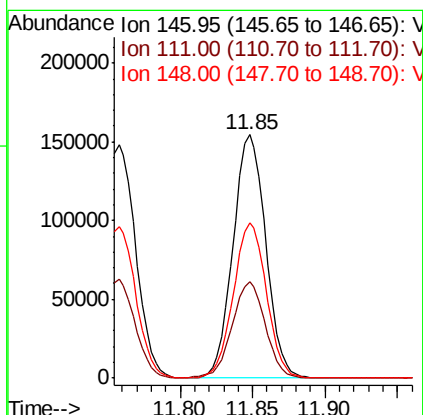
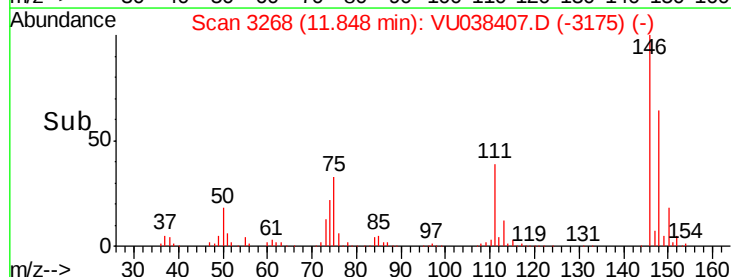
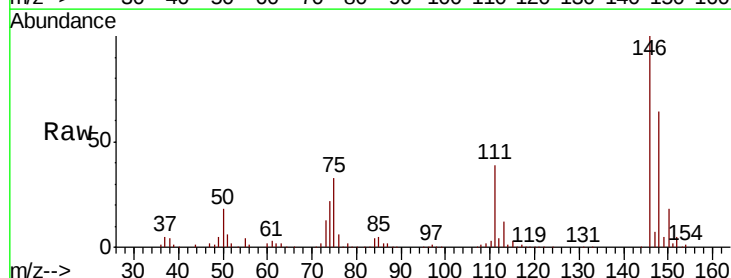
Instrument :
 MSVOA_U
 ClientSampleId :

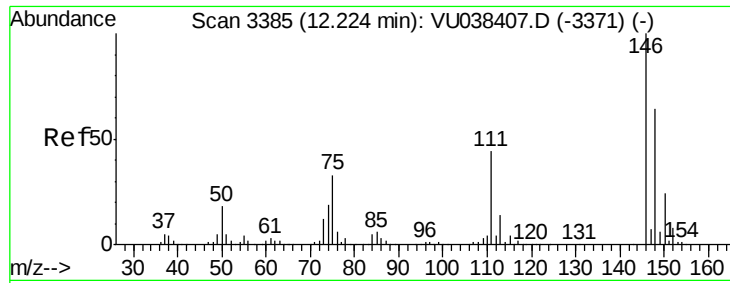
Tot Ion:146 Resp: 239034
 Ion Ratio Lower Upper
 146 100
 111 42.2 29.5 54.9
 148 65.1 45.6 84.6



#63
 1,4-Dichlorobenzene
 Concen: 4.887 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU038407.D
 Acq: 30 May 2020 11:59

Tgt Ion:146 Resp: 242337
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.6 51.2
 148 64.0 44.8 83.2

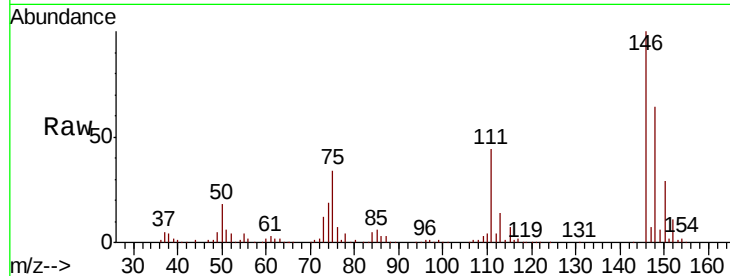




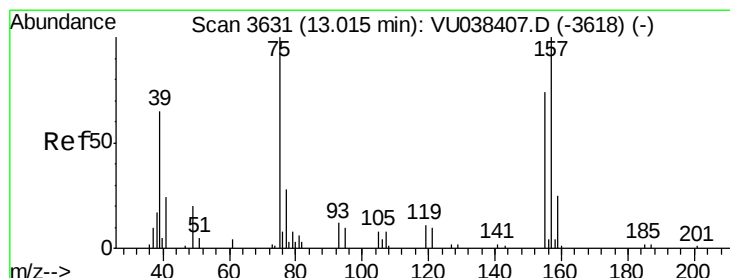
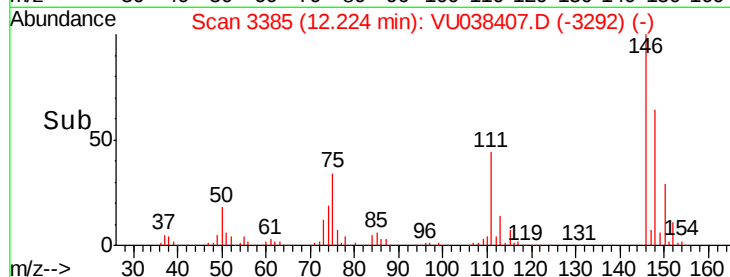
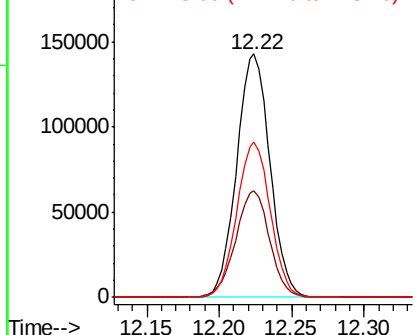
#65
 1,2-Dichlorobenzene
 Concen: 4.905 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU038407.D
 Acq: 30 May 2020 11:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 227741
 Ion Ratio Lower Upper
 146 100
 111 43.9 35.1 52.7
 148 63.6 50.9 76.3

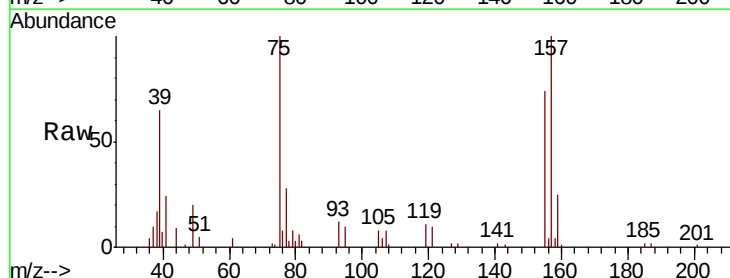


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

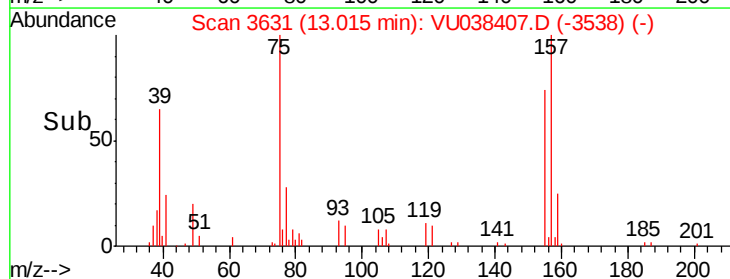
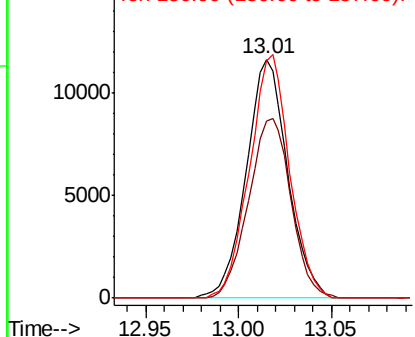


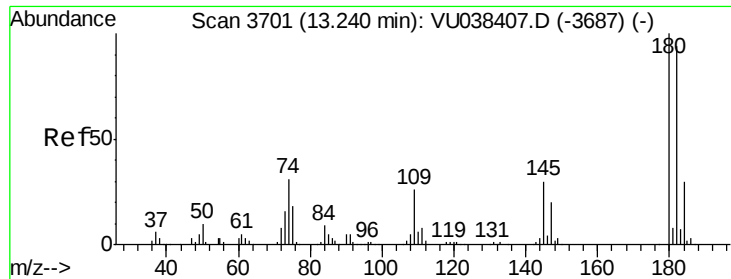
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.832 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VU038407.D
 Acq: 30 May 2020 11:59

Tgt Ion: 75 Resp: 18166
 Ion Ratio Lower Upper
 75 100
 155 74.5 59.6 89.4
 157 99.7 79.8 119.6



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

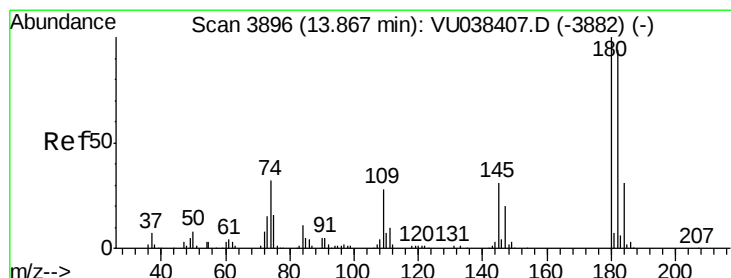
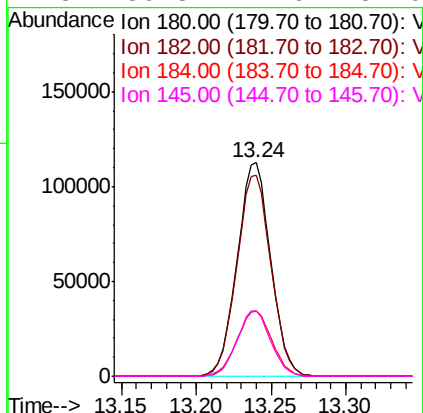
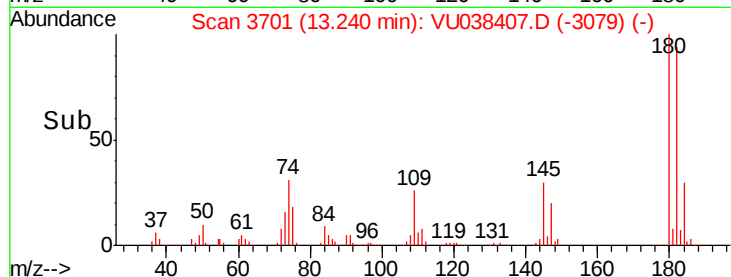
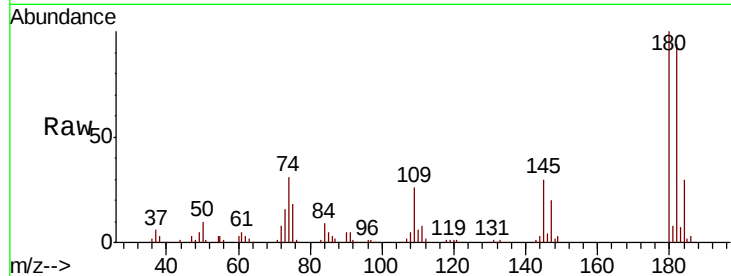




#67
 1,3,5-Trichlorobenzene
 Concen: 4.813 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU038407.D
 Acq: 30 May 2020 11:59

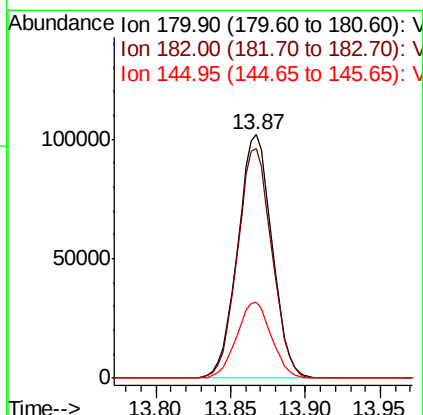
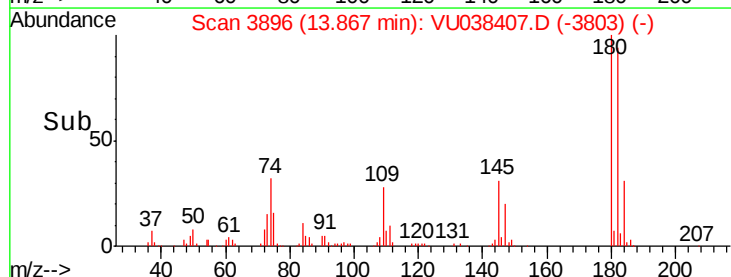
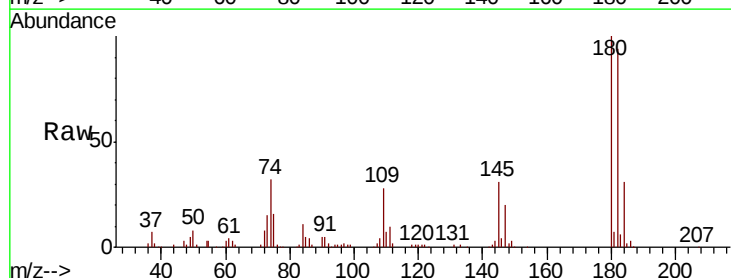
Instrument :
 MSVOA_U
 ClientSampleId :

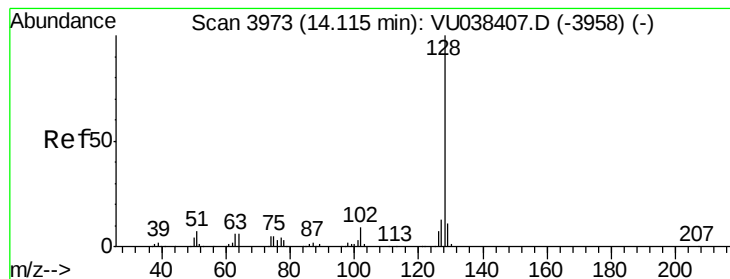
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
184	31.4	25.1	37.7
145	30.8	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 4.816 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU038407.D
 Acq: 30 May 2020 11:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
145	31.6	25.3	37.9





#69

Naphthalene

Concen: 4.894 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU038407.D

Acq: 30 May 2020 11:59

Instrument :

MSVOA_U

ClientSampled :

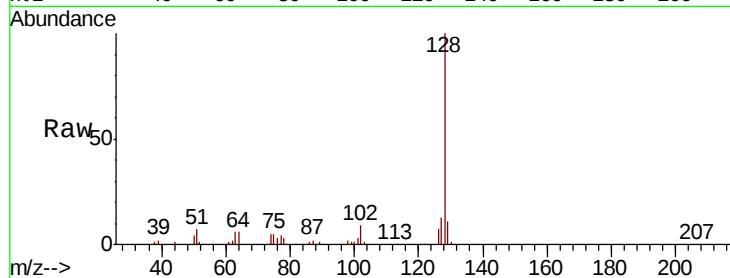
Tot Ion:128 Resp: 328858

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

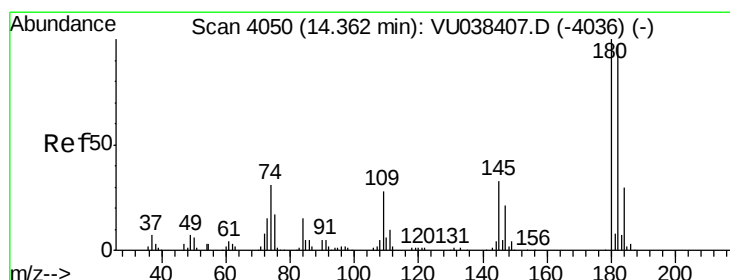
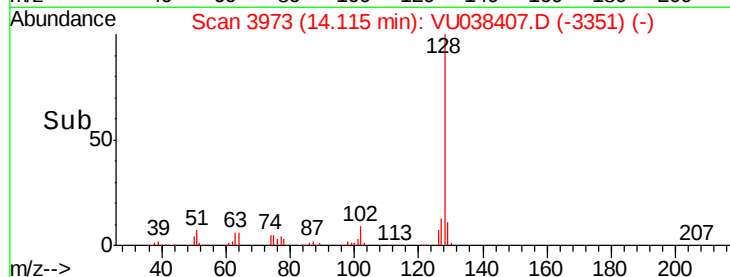
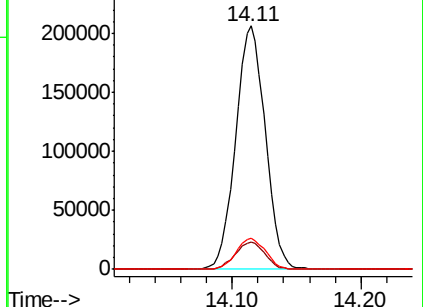
127 12.8 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.739 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU038407.D

Acq: 30 May 2020 11:59

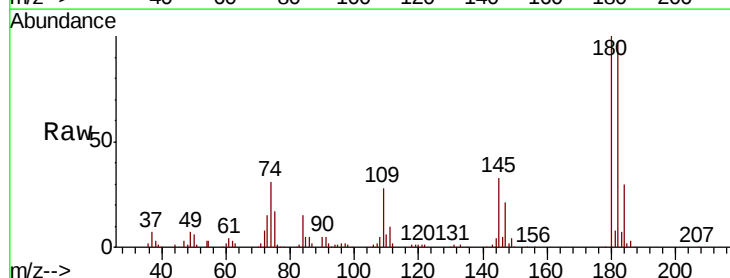
Tgt Ion:180 Resp: 145608

Ion Ratio Lower Upper

180 100

182 98.4 78.7 118.1

145 34.4 27.5 41.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

