

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080820\
 Data File : VU039820.D
 Acq On : 08 Aug 2020 18:53
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 01:21:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 10 01:16:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	73327	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	71446	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	37998	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	14601	3.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.80%
7) Chloroethane-d5	1.92	69	17393	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.58	63	34406	4.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.20%
20) 2-Butanone-d5	4.66	46	94419	54.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.44%
24) Chloroform-d	5.08	84	43861	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.72	65	27360	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.75	84	75749	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.70	67	27929	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.91	98	61483	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.60%
43) trans-1,3-Dichloropropene-	8.19	79	10171	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.64	63	64403	53.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.64%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	27647	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	30204	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	31021	5.246	ug/L 100
3) Chloromethane	1.53	50	30685	4.935	ug/L 95
5) Vinyl chloride	1.61	62	32013	5.370	ug/L 95
6) Bromomethane	1.86	94	14560	3.859	ug/L 100
8) Chloroethane	1.94	64	20219	4.625	ug/L 98
9) Trichlorofluoromethane	2.15	101	53768	5.799	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	28193	5.604	ug/L 93
12) 1,1-Dichloroethene	2.59	96	24527	5.607	ug/L 91
13) Acetone	2.66	43	51013	49.687	ug/L 97
14) Carbon disulfide	2.81	76	70928	5.186	ug/L 97
15) Methyl Acetate	2.97	43	11410	4.506	ug/L 96
16) Methylene chloride	3.06	84	28200	3.999	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	61282	5.276	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	25908	5.320	ug/L 98
19) 1,1-Dichloroethane	3.89	63	47930	5.331	ug/L 97
21) 2-Butanone	4.74	43	83873	51.839	ug/L 98
22) cis-1,2-Dichloroethene	4.69	96	28281	5.339	ug/L 91

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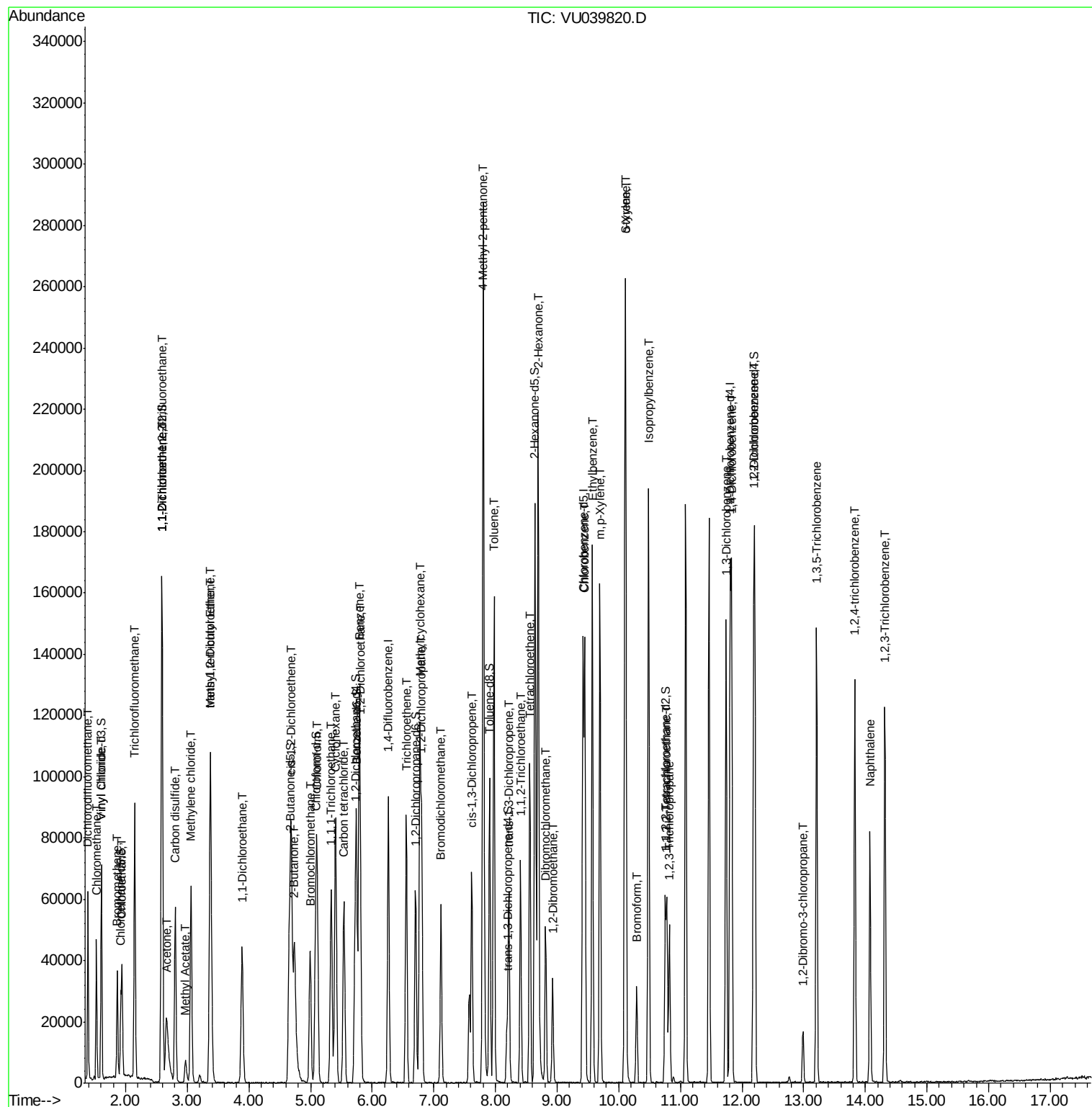
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	13301	5.347	ug/L	90
25) Chloroform	5.11	83	53128	5.497	ug/L	91
27) 1,2-Dichloroethane	5.81	62	33874	5.086	ug/L	99
29) 1,1,1-Trichloroethane	5.34	97	43122	5.411	ug/L	97
30) Cyclohexane	5.40	56	41169	5.368	ug/L	96
31) Carbon tetrachloride	5.54	117	38850	5.313	ug/L	100
33) Benzene	5.79	78	105027	5.395	ug/L	100
34) Trichloroethene	6.56	95	27746	5.488	ug/L	93
35) Methylcyclohexane	6.77	83	40941	5.074	ug/L	96
37) 1,2-Dichloropropane	6.80	63	28065	5.428	ug/L	98
38) Bromodichloromethane	7.12	83	34837	5.150	ug/L	100
39) cis-1,3-Dichloropropene	7.62	75	34788	4.933	ug/L	92
40) 4-Methyl-2-pentanone	7.80	43	196059	50.744	ug/L	99
42) Toluene	7.98	91	110281	5.391	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	32226	5.073	ug/L	99
45) 1,1,2-Trichloroethane	8.41	97	20501	5.272	ug/L	94
47) Tetrachloroethene	8.56	164	21577	5.174	ug/L	94
48) 2-Hexanone	8.69	43	143128	51.300	ug/L	99
49) Dibromochloromethane	8.82	129	24220	5.075	ug/L	100
50) 1,2-Dibromoethane	8.93	107	19810	5.195	ug/L	98
51) Chlorobenzene	9.45	112	71902	5.231	ug/L	96
52) Ethylbenzene	9.57	91	117304	5.123	ug/L	99
53) m,p-Xylene	9.70	106	46084	5.286	ug/L	100
54) o-Xylene	10.10	106	45718	5.355	ug/L	98
55) Styrene	10.11	104	78038	5.428	ug/L	95
56) Isopropylbenzene	10.48	105	117073	5.131	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	25331	4.734	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	18765	5.032	ug/L	100
61) Bromoform	10.29	173	12888	5.020	ug/L	91
62) 1,3-Dichlorobenzene	11.74	146	58929	5.299	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	60140	5.130	ug/L	95
65) 1,2-Dichlorobenzene	12.21	146	56130	5.123	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	3926	4.740	ug/L	93
67) 1,3,5-Trichlorobenzene	13.21	180	41603	4.936	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	37700	5.337	ug/L	97
69) Naphthalene	14.08	128	61446	4.865	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	34472	5.440	ug/L	96

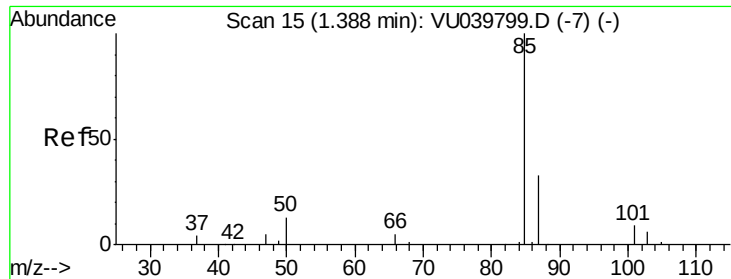
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.246 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

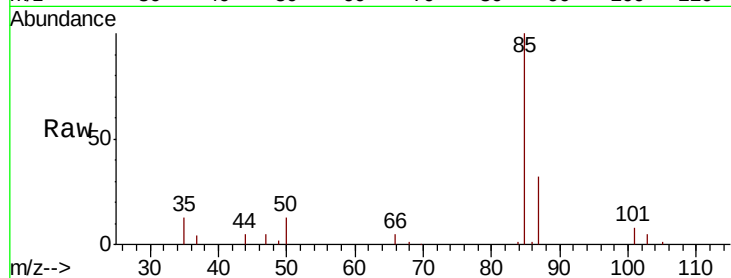
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 31021

Ion Ratio Lower Upper

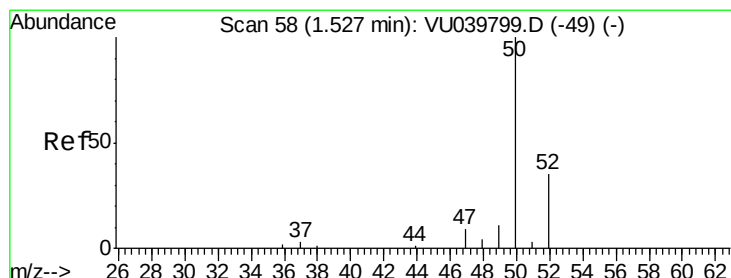
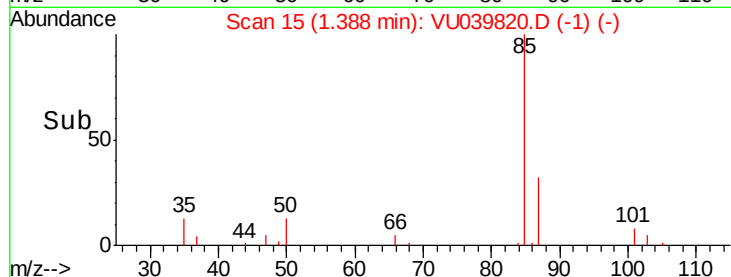
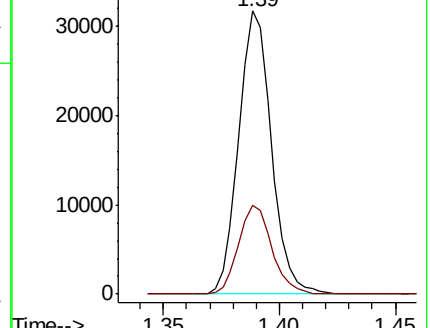
85 100

87 31.9 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU039799.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039799.D (-7) (-)



#3

Chloromethane

Concen: 4.935 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039820.D

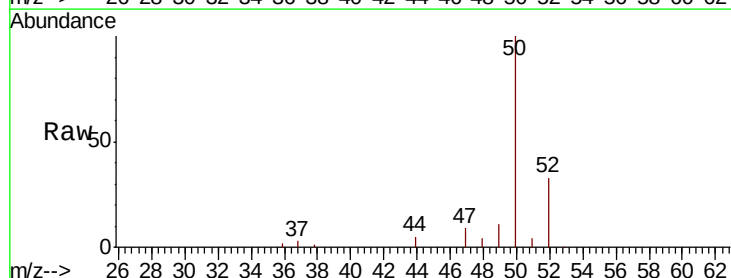
Acq: 08 Aug 2020 18:53

Tgt Ion: 50 Resp: 30685

Ion Ratio Lower Upper

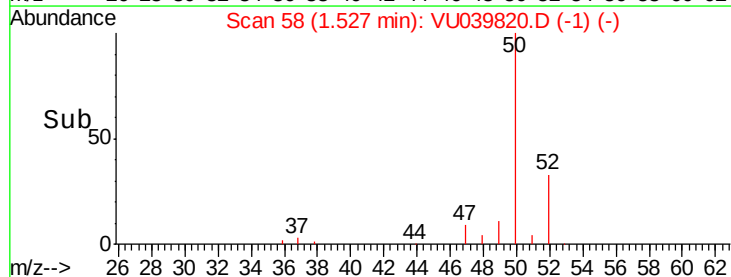
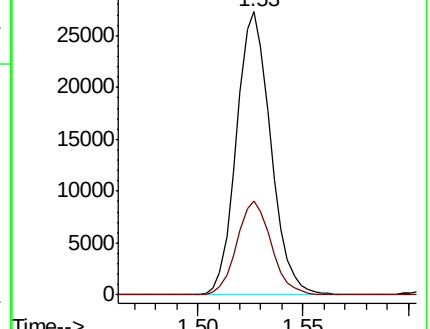
50 100

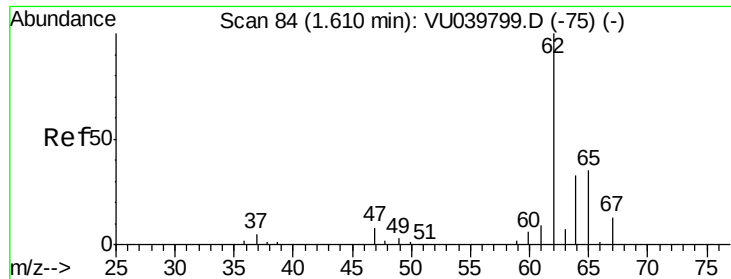
52 33.3 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VU039799.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU039799.D (-49) (-)





#5

Vinyl chloride

Concen: 5.370 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

Instrument :

MSVOA_U

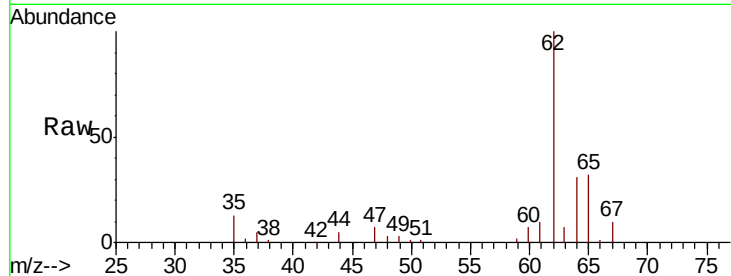
ClientSampleId :

Tot Ion: 62 Resp: 32013

Ion Ratio Lower Upper

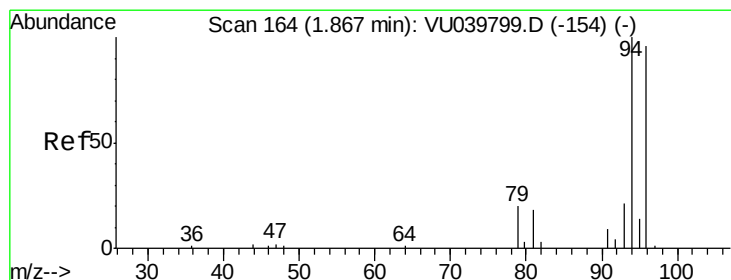
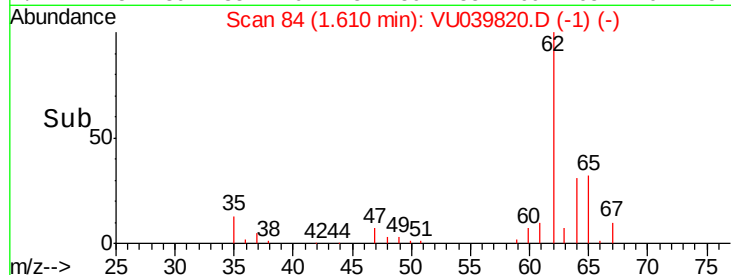
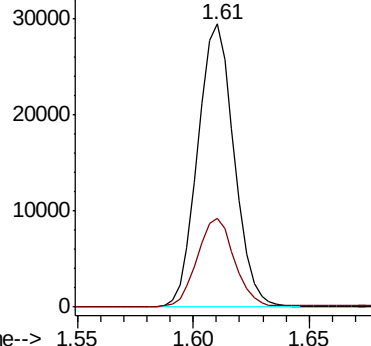
62 100

64 31.3 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU039799.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039799.D (-75) (-)



#6

Bromomethane

Concen: 3.859 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039820.D

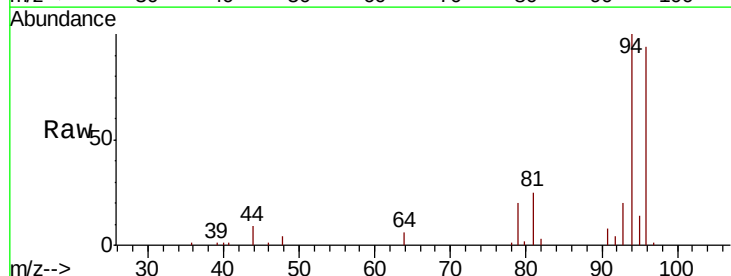
Acq: 08 Aug 2020 18:53

Tgt Ion: 94 Resp: 14560

Ion Ratio Lower Upper

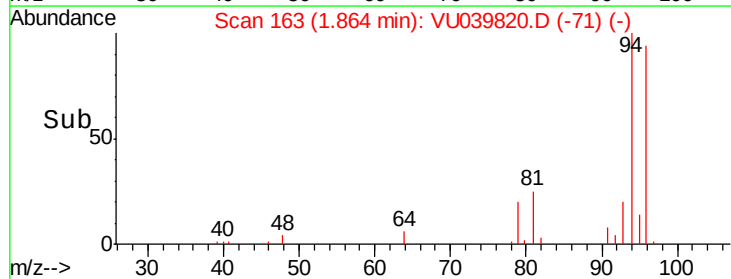
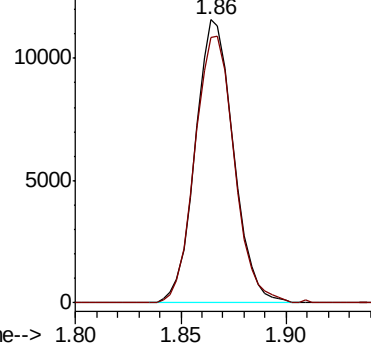
94 100

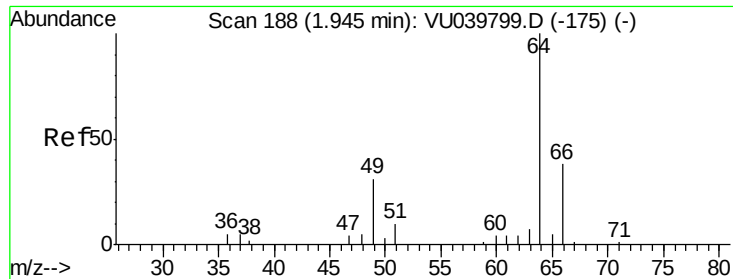
96 93.9 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU039799.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU039799.D (-154) (-)

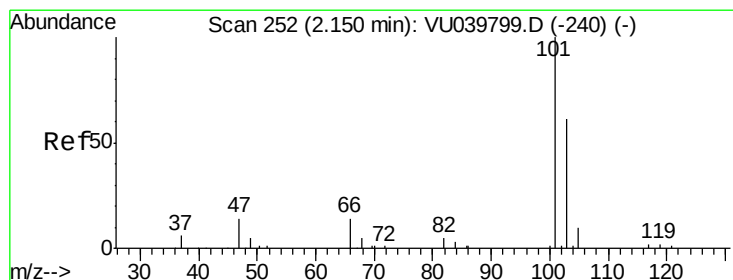
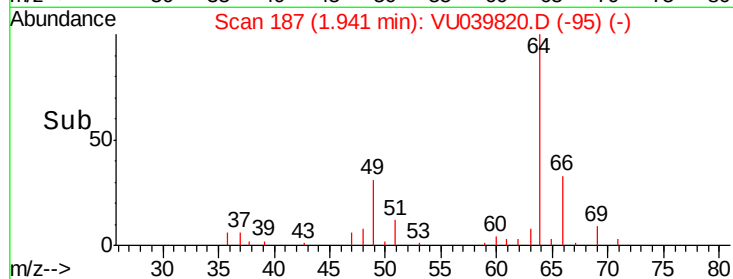
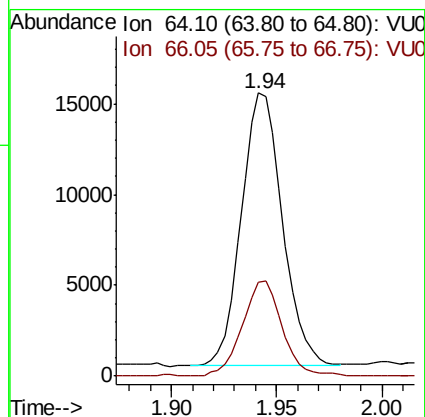
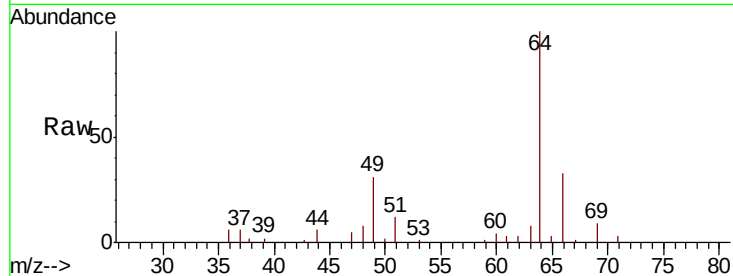




#8
Chloroethane
Concen: 4.625 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU039820.D
Acq: 08 Aug 2020 18:53

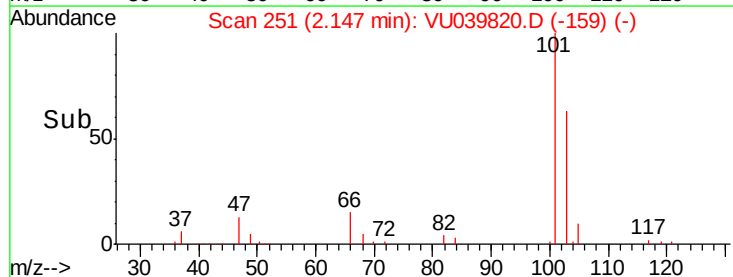
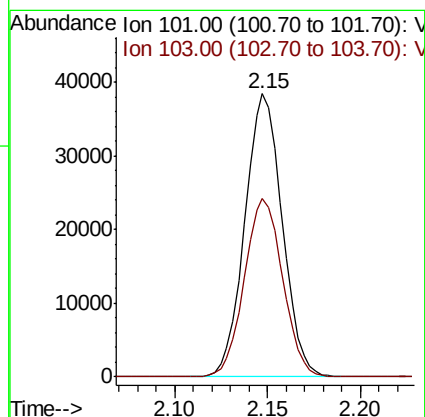
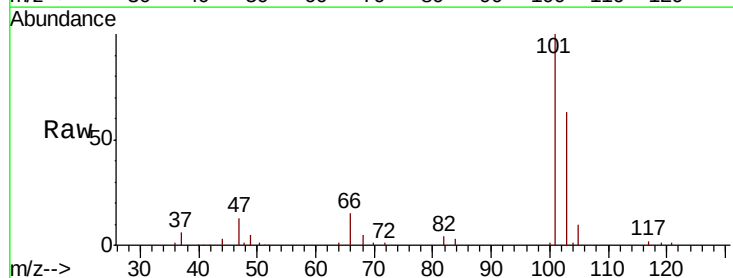
Instrument :
MSVOA_U
ClientSampleId :

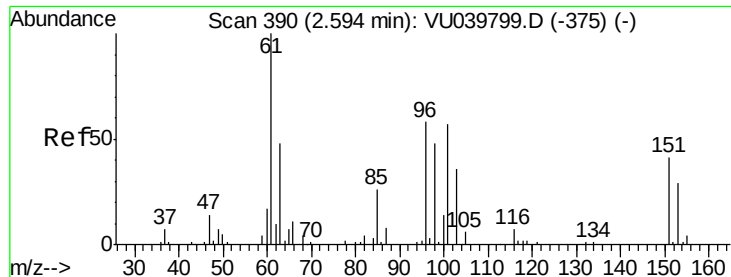
Tot Ion: 64 Resp: 20219
Ion Ratio Lower Upper
64 100
66 33.0 22.3 41.3



#9
Trichlorofluoromethane
Concen: 5.799 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU039820.D
Acq: 08 Aug 2020 18:53

Tgt Ion:101 Resp: 53768
Ion Ratio Lower Upper
101 100
103 64.6 51.4 77.2





#10

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

Concen: 5.604 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

Instrument :

MSVOA_U

ClientSampleId :

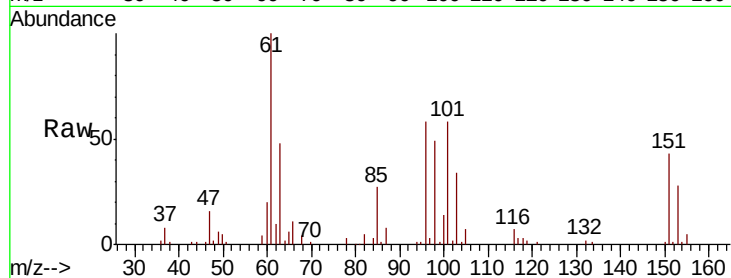
Tot Ion:101 Resp: 28193

Ion Ratio Lower Upper

101 100

85 43.7 37.9 56.9

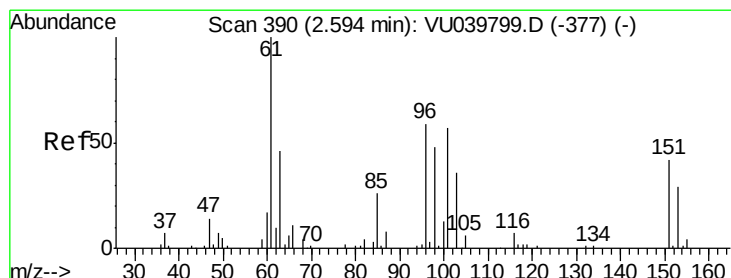
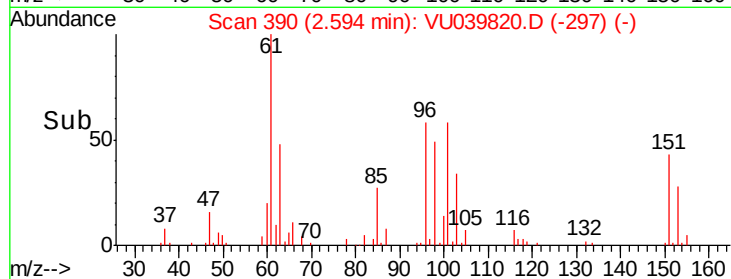
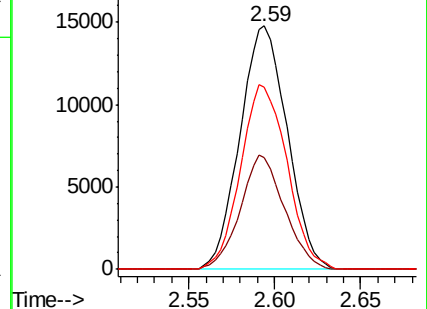
151 74.5 54.7 82.1



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: 5.607 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

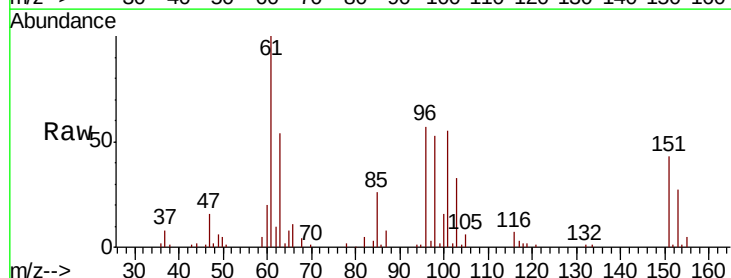
Tgt Ion: 96 Resp: 24527

Ion Ratio Lower Upper

96 100

61 175.1 121.7 225.9

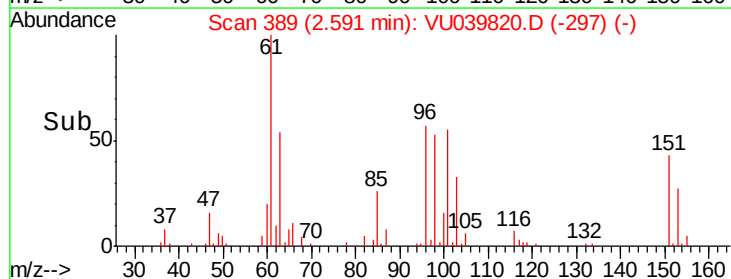
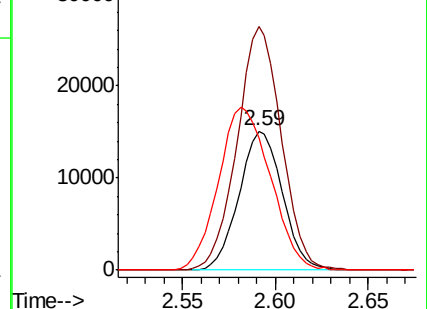
63 94.7 82.1 152.5

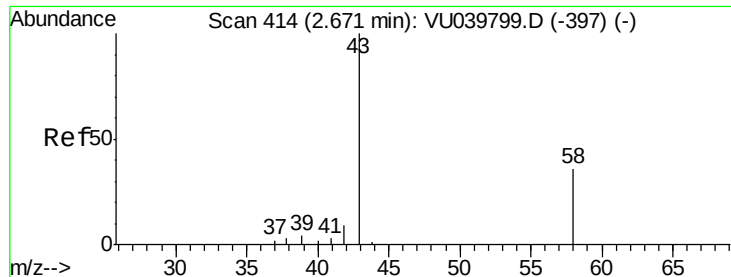


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.687 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

Instrument :

MSVOA_U

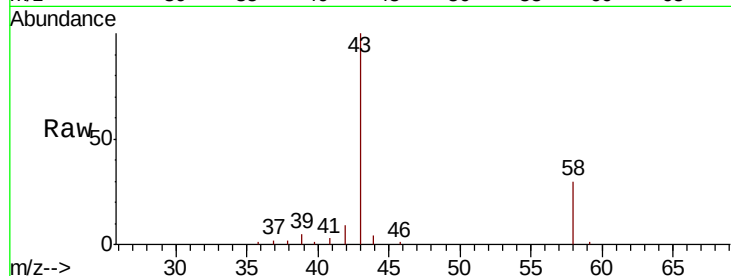
ClientSampled :

Tot Ion: 43 Resp: 51013

Ion Ratio Lower Upper

43 100

58 29.5 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039799.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU039799.D (-397) (-)

2.66

15000

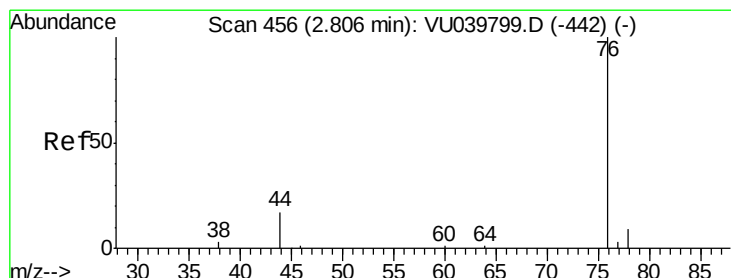
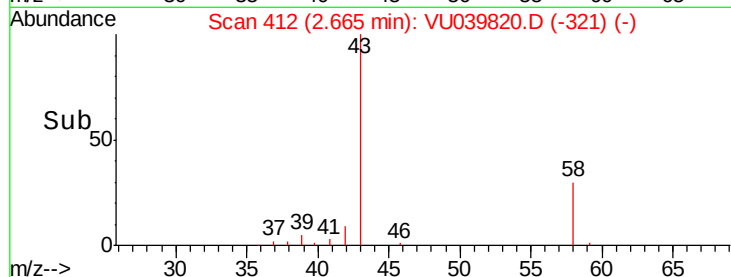
10000

5000

0

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 5.186 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039820.D

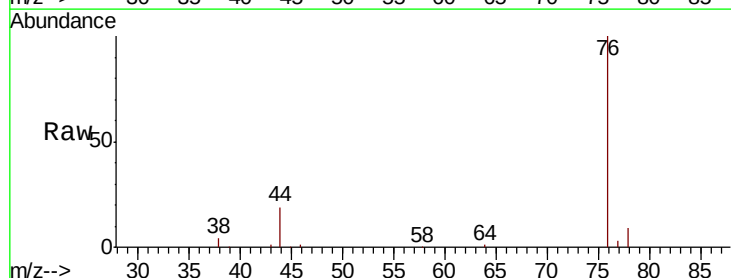
Acq: 08 Aug 2020 18:53

Tgt Ion: 76 Resp: 70928

Ion Ratio Lower Upper

76 100

78 8.7 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU039799.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU039799.D (-442) (-)

2.81

50000

40000

30000

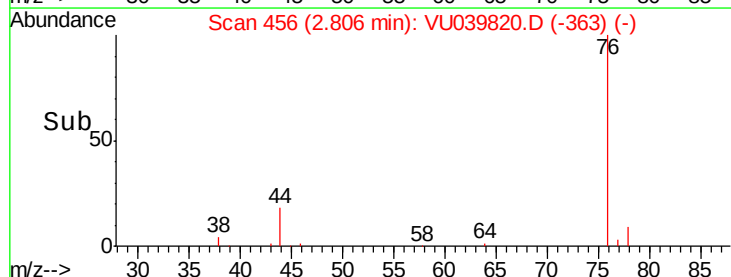
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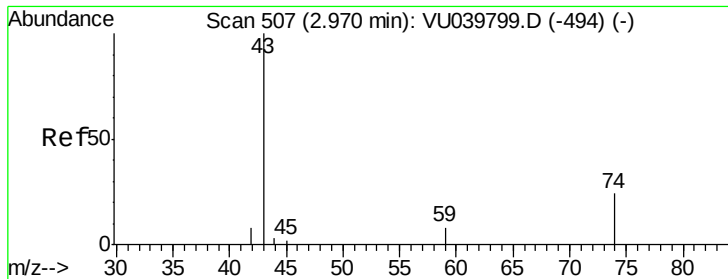
10000

0

2.75 2.80 2.85

Time-->

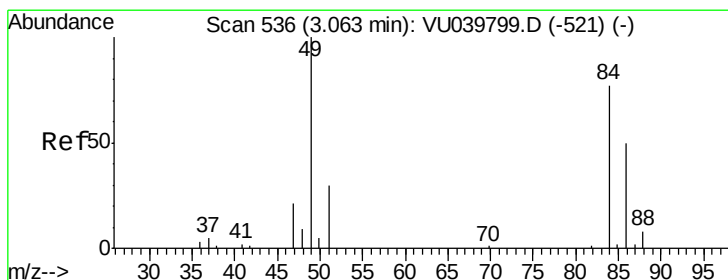
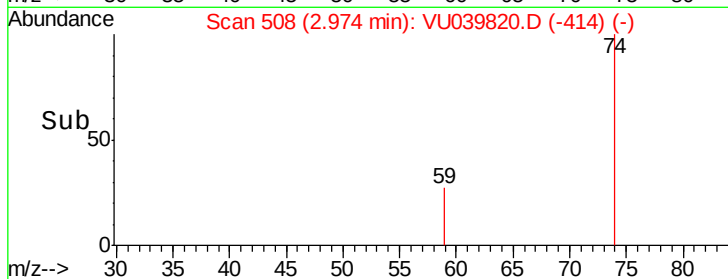
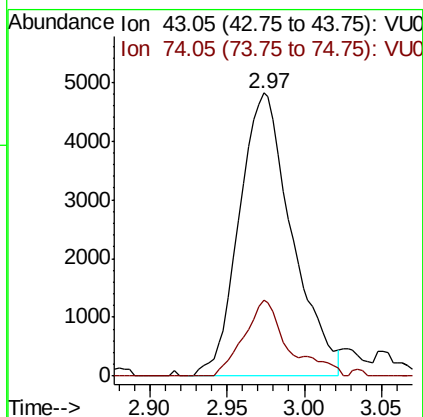
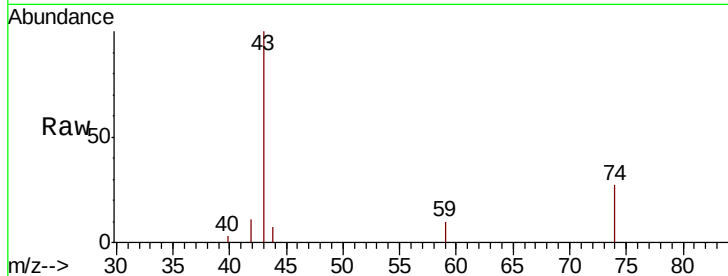




#15
Methvl Acetate
Concen: 4.506 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU039820.D
Acq: 08 Aug 2020 18:53

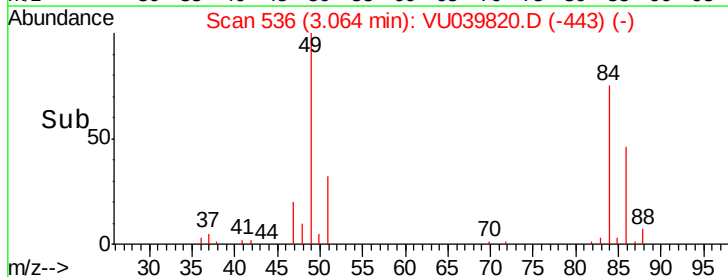
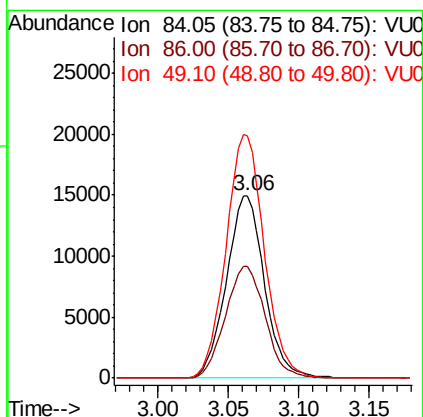
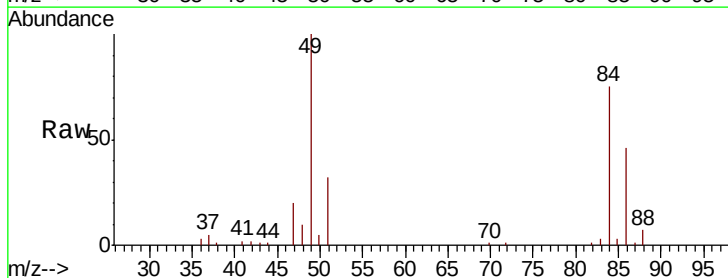
Instrument :
MSVOA_U
ClientSampled :

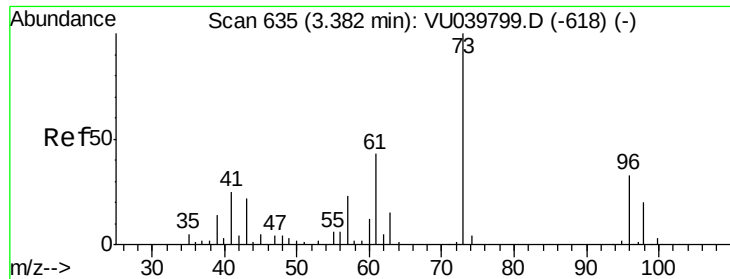
Tot Ion: 43 Resp: 11410
Ion Ratio Lower Upper
43 100
74 22.5 16.6 25.0



#16
Methylene chloride
Concen: 3.999 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039820.D
Acq: 08 Aug 2020 18:53

Tgt Ion: 84 Resp: 28200
Ion Ratio Lower Upper
84 100
86 61.0 43.9 81.5
49 133.0 94.4 175.4

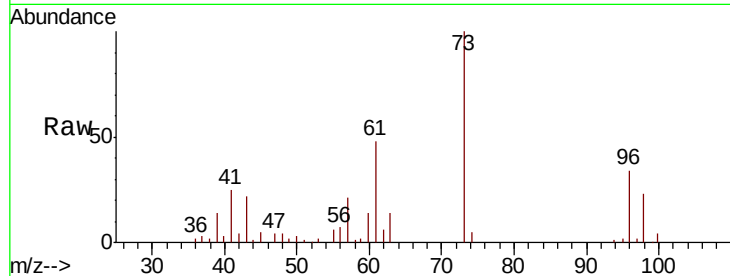




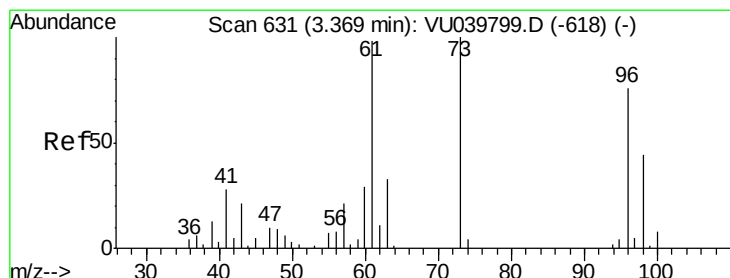
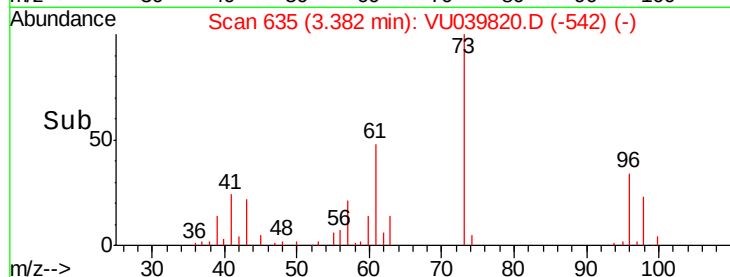
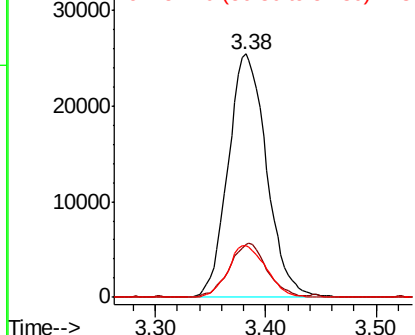
#17
Methyl tert-butyl Ether
Concen: 5.276 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU039820.D
Acq: 08 Aug 2020 18:53

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 61282
Ion Ratio Lower Upper
73 100
43 21.9 18.2 27.4
57 21.1 17.8 26.8

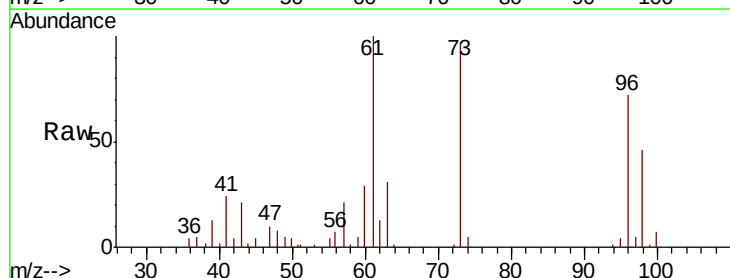


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

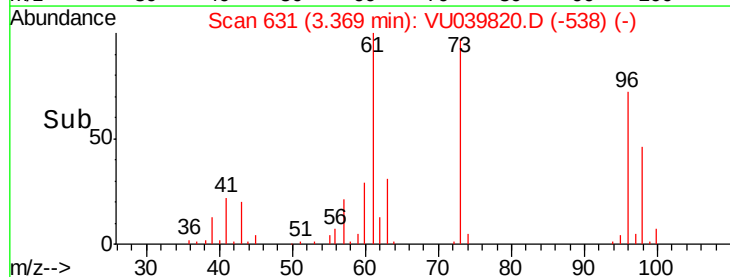
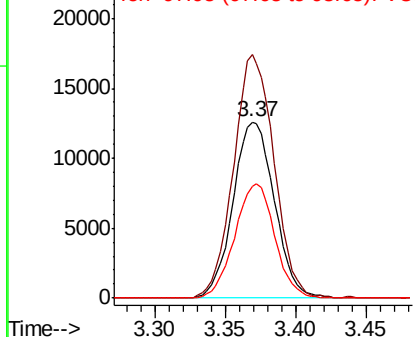


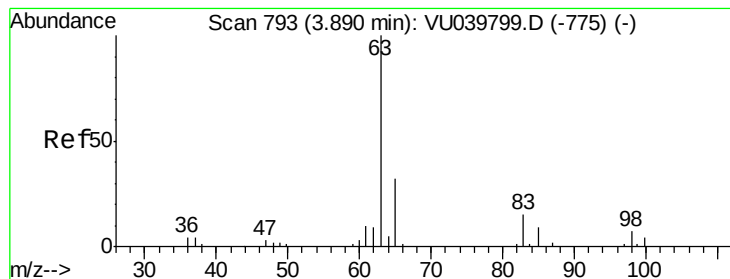
#18
trans-1,2-Dichloroethene
Concen: 5.320 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU039820.D
Acq: 08 Aug 2020 18:53

Tgt Ion: 96 Resp: 25908
Ion Ratio Lower Upper
96 100
61 138.5 96.5 179.1
98 63.4 40.9 76.0



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: 5.331 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

Instrument :
MSVOA_U
ClientSampled :

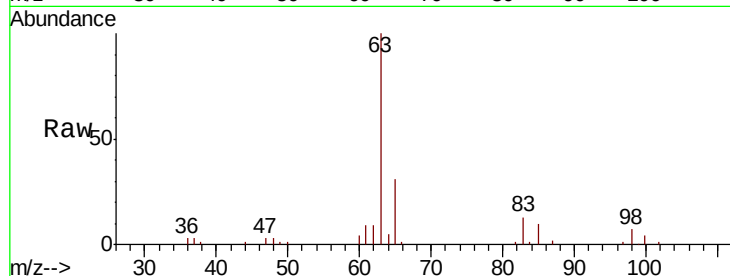
Tot Ion: 63 Resp: 47930

Ion Ratio Lower Upper

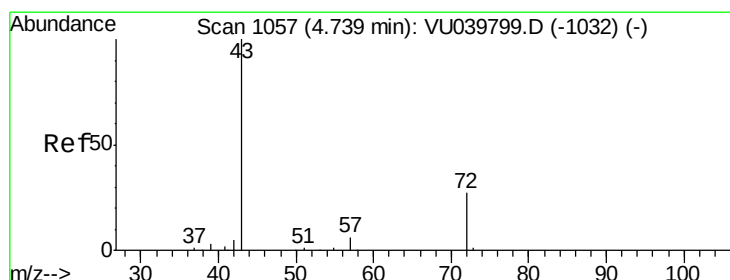
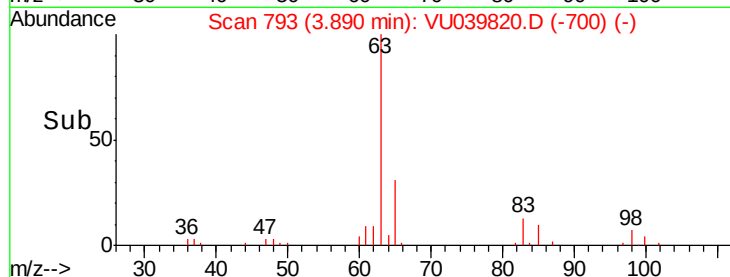
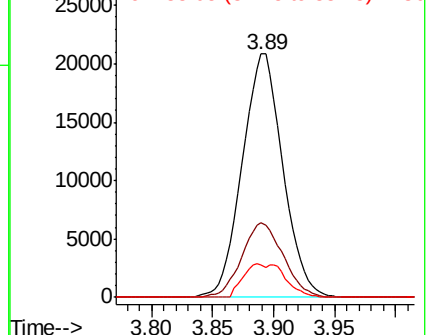
63 100

65 30.6 22.0 41.0

83 13.2 10.9 20.2



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 51.839 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU039820.D

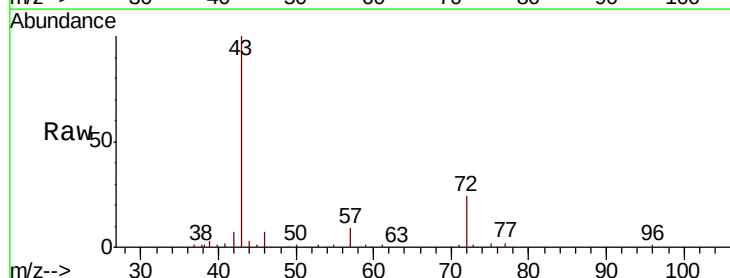
Acq: 08 Aug 2020 18:53

Tgt Ion: 43 Resp: 83873

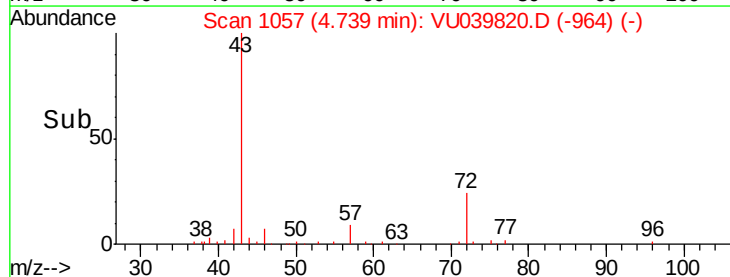
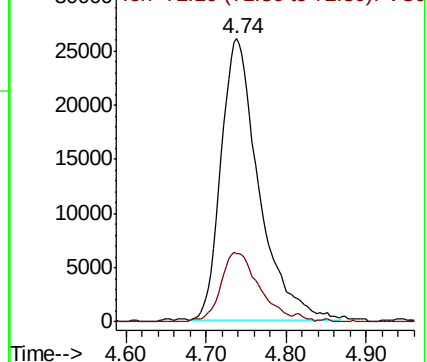
Ion Ratio Lower Upper

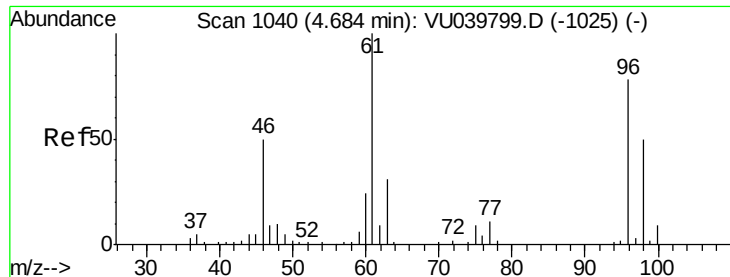
43 100

72 24.9 13.0 39.0



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0

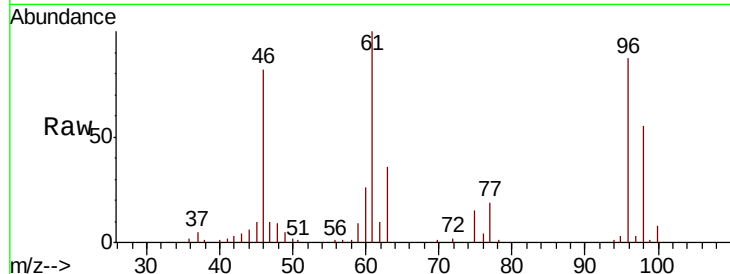




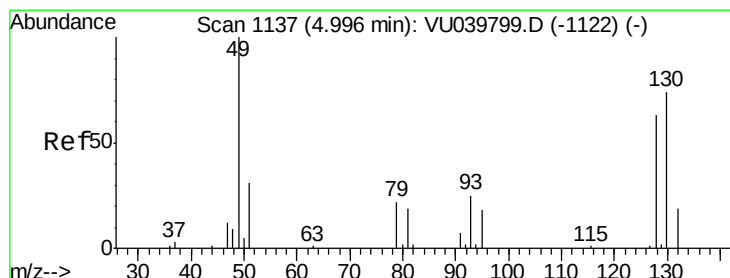
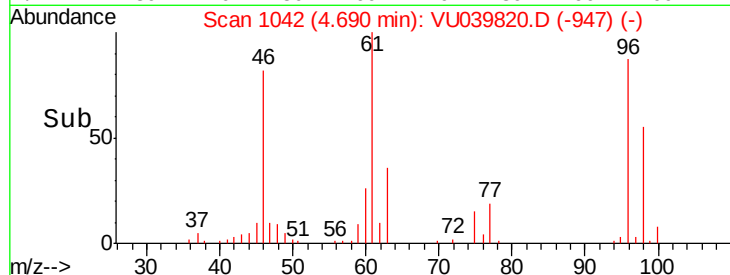
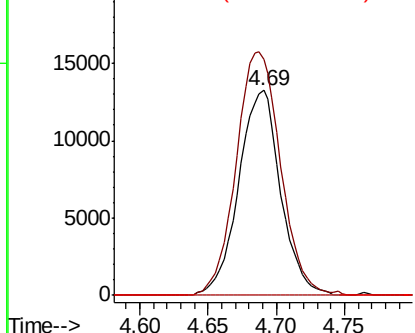
#22
 cis-1,2-Dichloroethene
 Concen: 5.339 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: VU039820.D
 Acq: 08 Aug 2020 18:53

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 28281
 Ion Ratio Lower Upper
 96 100
 61 114.9 87.4 162.2
 68 0.0 0.0 0.0

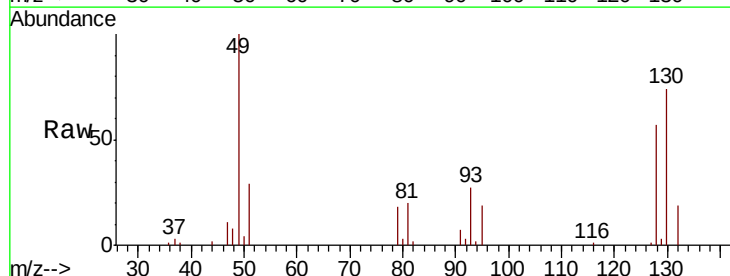


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

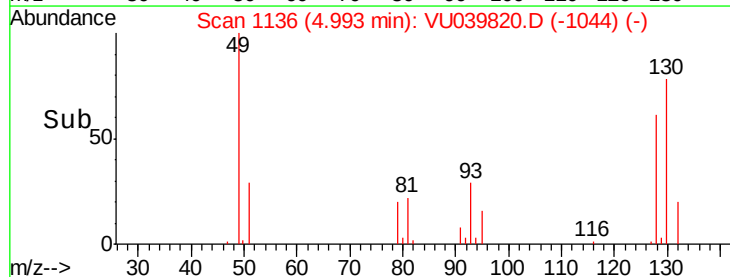
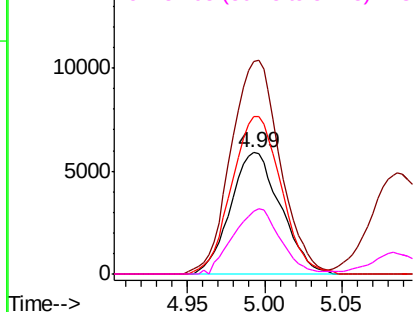


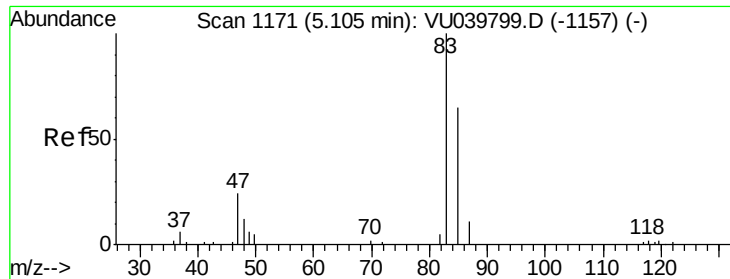
#23
 Bromochloromethane
 Concen: 5.347 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VU039820.D
 Acq: 08 Aug 2020 18:53

Tgt Ion: 128 Resp: 13301
 Ion Ratio Lower Upper
 128 100
 49 174.9 110.3 204.9
 130 129.2 82.0 152.4
 51 51.3 40.8 61.2



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

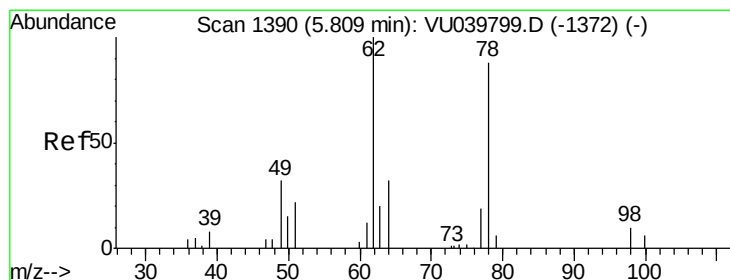
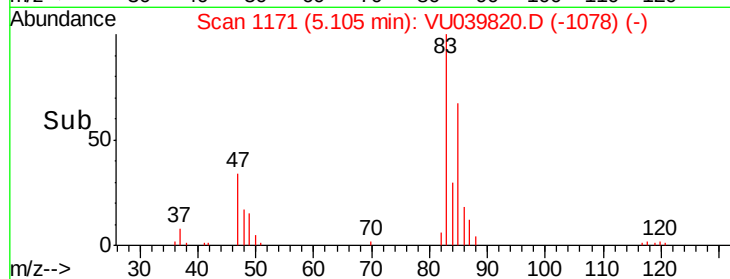
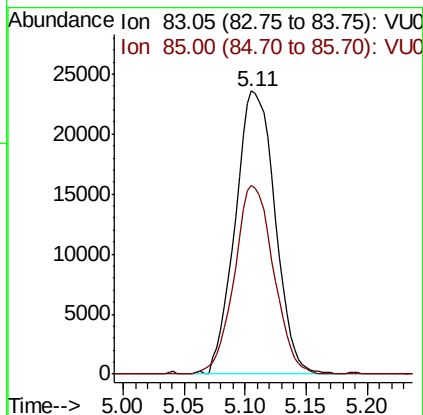
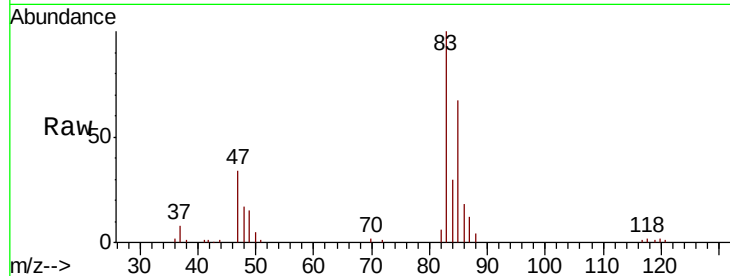




#25
Chloroform
Concen: 5.497 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU039820.D
Acq: 08 Aug 2020 18:53

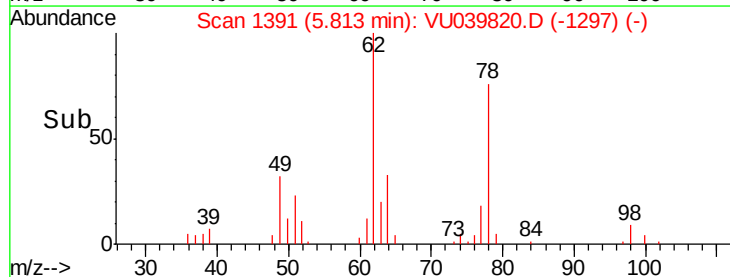
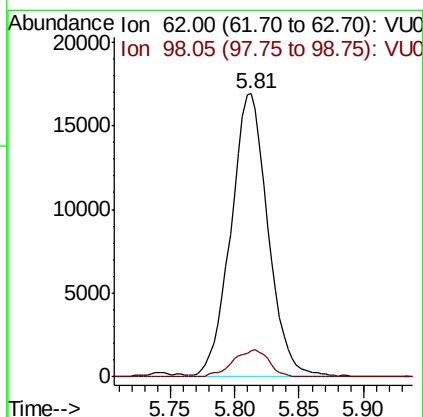
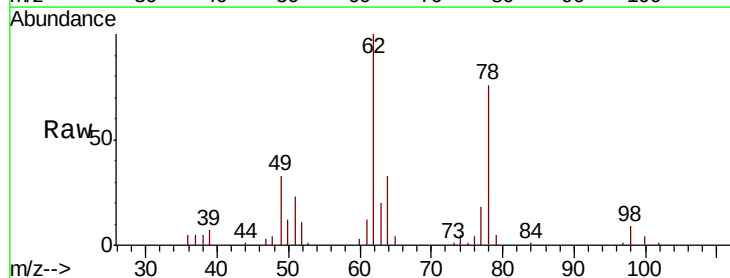
Instrument :
MSVOA_U
ClientSampled :

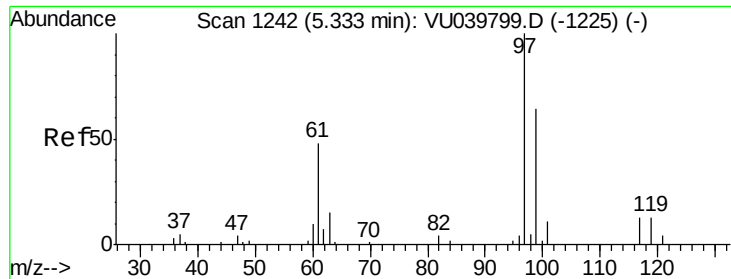
Tot Ion: 83 Resp: 53128
Ion Ratio Lower Upper
83 100
85 66.8 42.1 78.3



#27
1,2-Dichloroethane
Concen: 5.086 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039820.D
Acq: 08 Aug 2020 18:53

Tgt Ion: 62 Resp: 33874
Ion Ratio Lower Upper
62 100
98 9.4 7.3 10.9

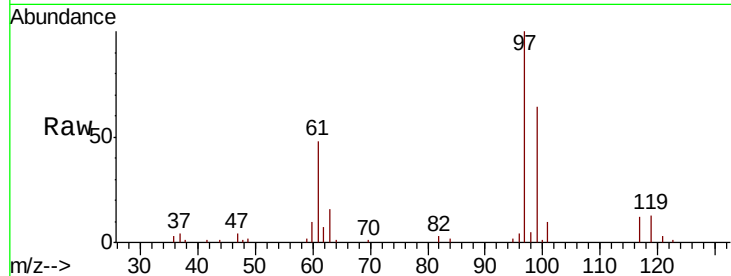




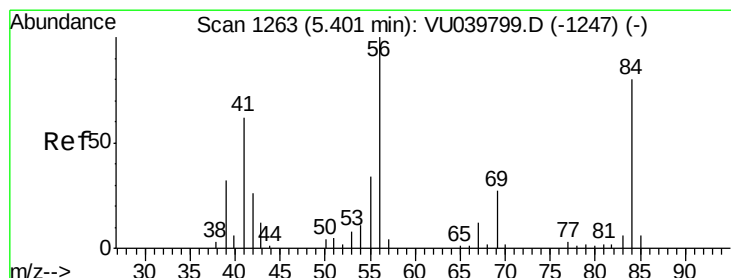
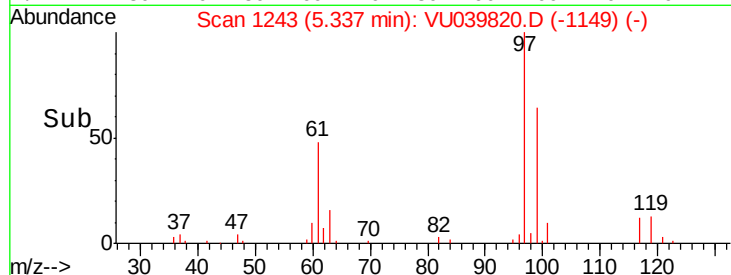
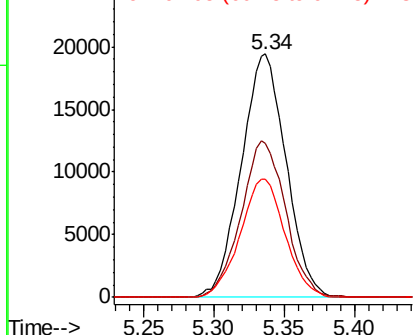
#29
1,1,1-Trichloroethane
Concen: 5.411 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VU039820.D
Acq: 08 Aug 2020 18:53

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 97 Resp: 43122
Ion Ratio Lower Upper
97 100
99 64.0 52.8 79.2
61 48.6 40.5 60.7

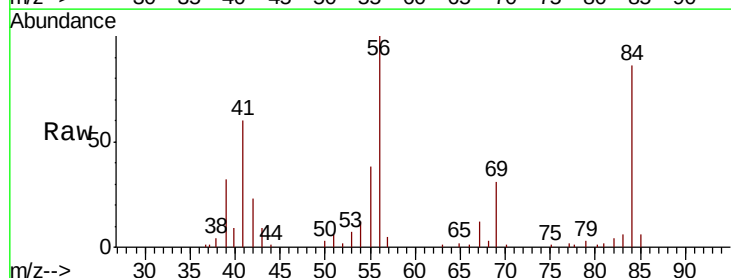


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

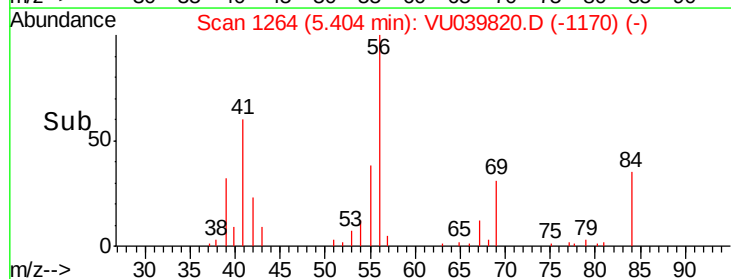
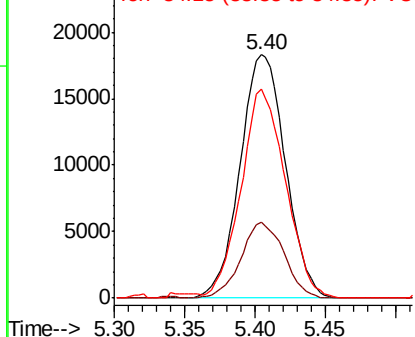


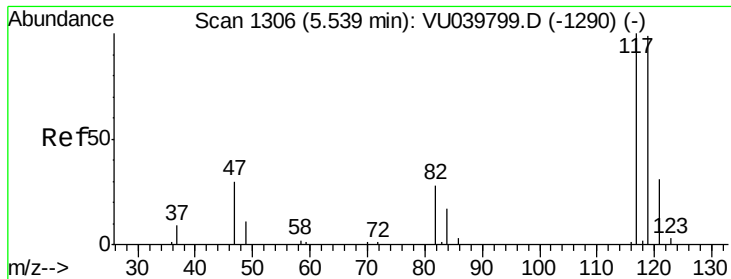
#30
Cyclohexane
Concen: 5.368 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU039820.D
Acq: 08 Aug 2020 18:53

Tgt Ion: 56 Resp: 41169
Ion Ratio Lower Upper
56 100
69 29.7 24.4 36.6
84 84.3 71.3 106.9



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.313 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

Instrument :

MSVOA_U

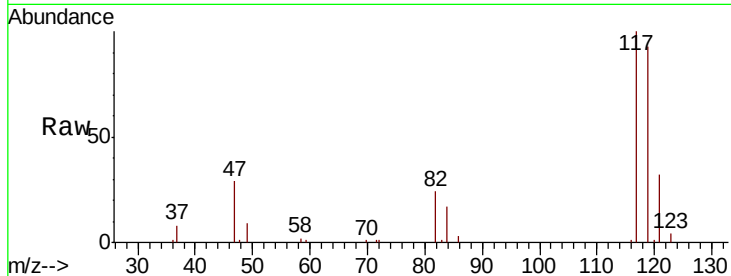
ClientSampleId :

Tot Ion:117 Resp: 38850

Ion Ratio Lower Upper

117 100

119 94.2 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

20000

15000

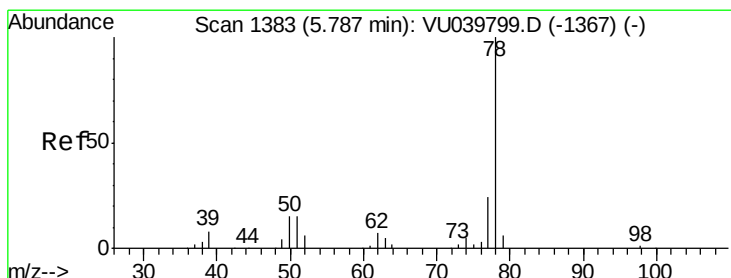
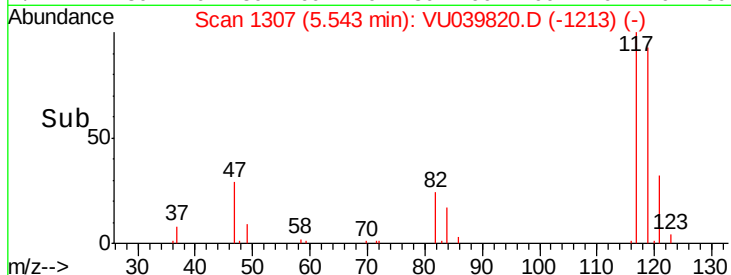
10000

5000

0

Time-->

5.45 5.50 5.55 5.60



#33

Benzene

Concen: 5.395 ug/L

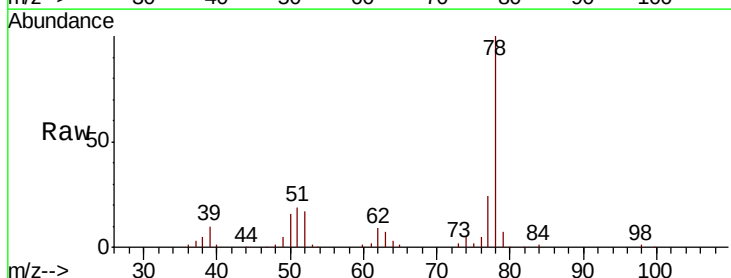
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

Tgt Ion: 78 Resp: 105027



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.79

60000

50000

40000

30000

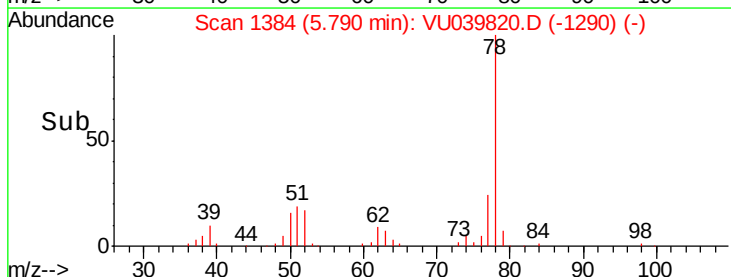
20000

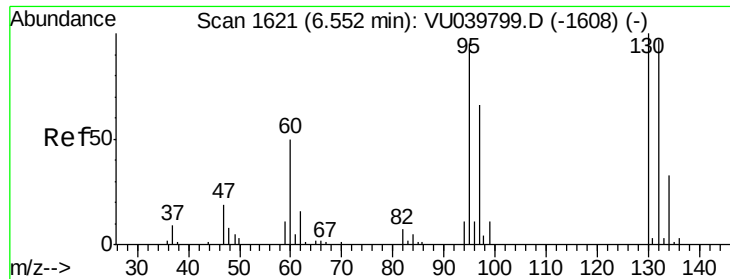
10000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 5.488 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 27746

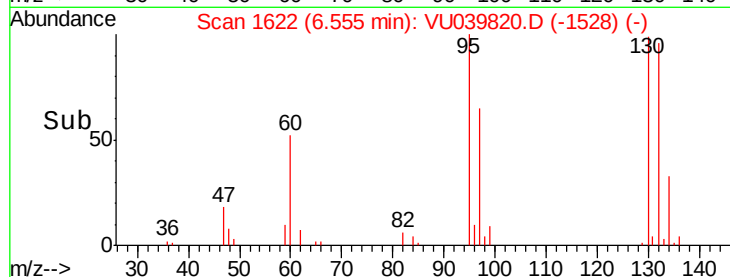
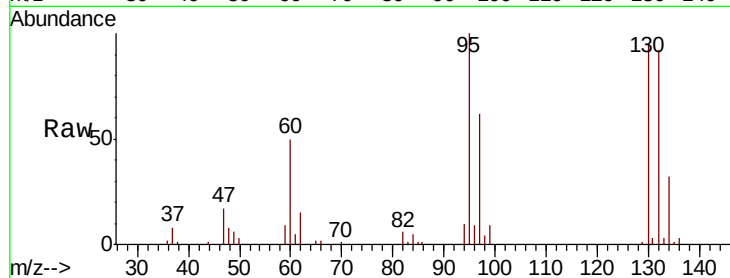
Ion Ratio Lower Upper

95 100

97 62.2 44.0 81.8

132 91.5 71.7 133.3

130 94.9 71.1 132.1

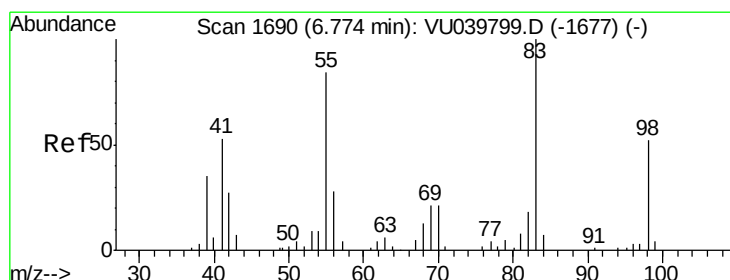
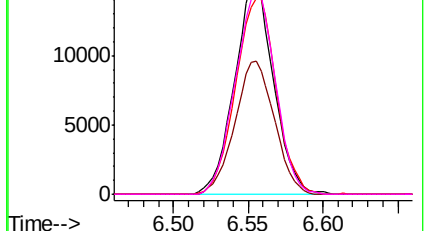


Abundance Ion 95.00 (94.70 to 95.70): VU039820.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU039820.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU039820.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU039820.D (-1528) (-)



#35

Methylcyclohexane

Concen: 5.074 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

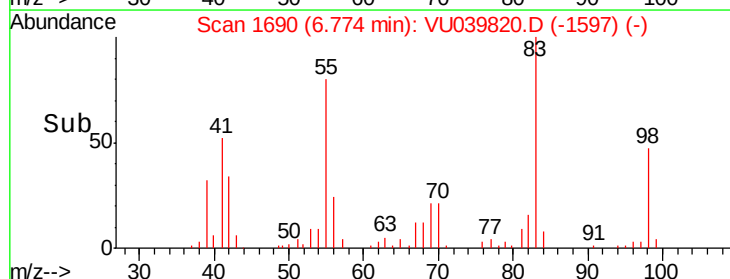
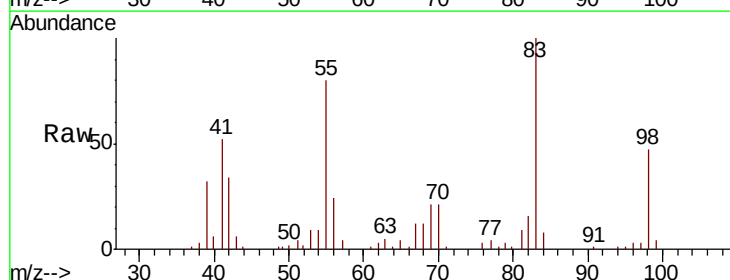
Tgt Ion: 83 Resp: 40941

Ion Ratio Lower Upper

83 100

55 79.1 59.4 89.0

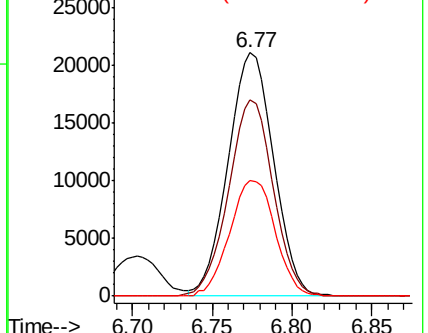
98 47.4 39.0 58.4

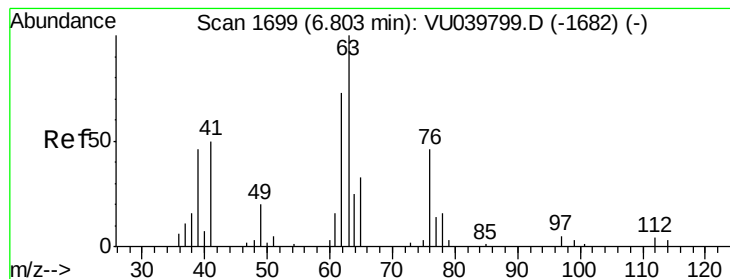


Abundance Ion 83.15 (82.85 to 83.85): VU039820.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU039820.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU039820.D (-1597) (-)





#37

1,2-Dichloropropane

Concen: 5.428 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

Instrument :

MSVOA_U

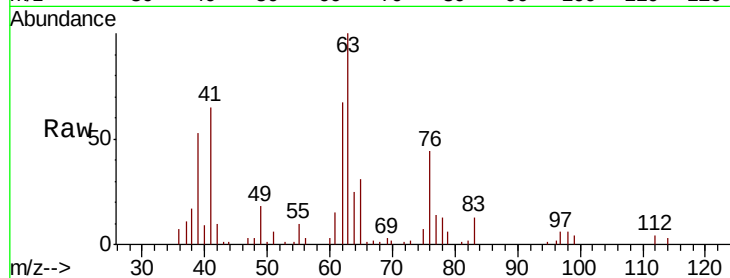
ClientSampled :

Tot Ion: 63 Resp: 28065

Ion Ratio Lower Upper

63 100

112 3.9 3.8 5.6



Abundance Ion 63.10 (62.80 to 63.80): VU039799.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU039799.D (-1682) (-)

6.80

15000

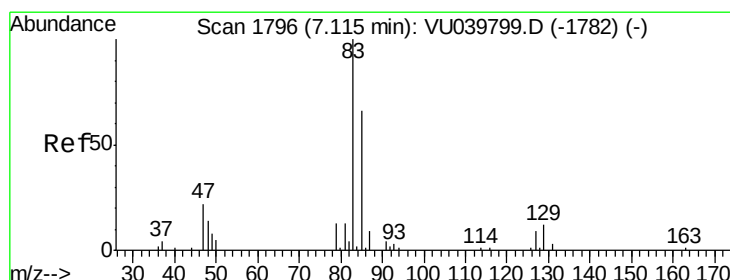
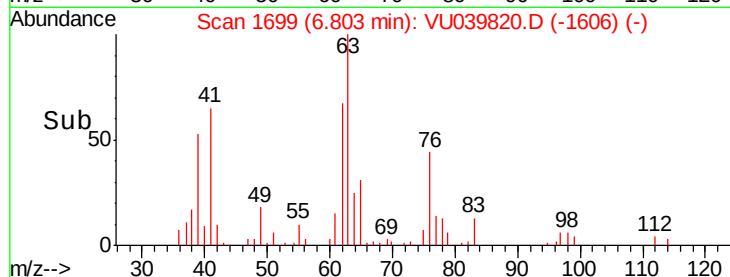
10000

5000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 5.150 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

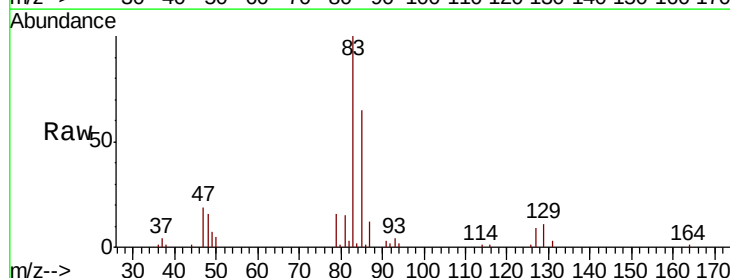
Tgt Ion: 83 Resp: 34837

Ion Ratio Lower Upper

83 100

85 64.8 45.3 84.1

127 9.2 7.5 11.3



Abundance Ion 82.95 (82.65 to 83.65): VU039799.D (-1782) (-)

Ion 85.00 (84.70 to 85.70): VU039799.D (-1782) (-)

Ion 126.90 (126.60 to 127.60): VU039799.D (-1782) (-)

7.12

25000

20000

15000

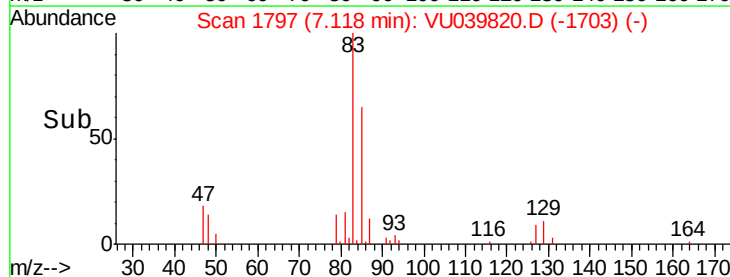
10000

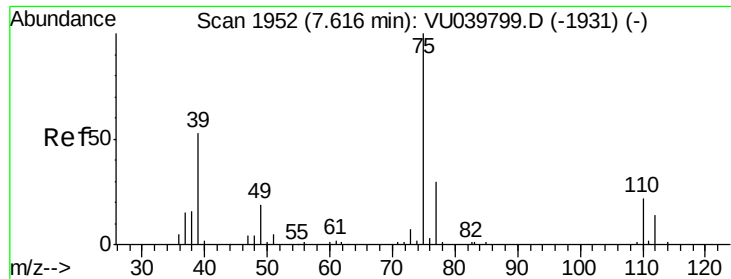
5000

0

7.05 7.10 7.15 7.20

Time-->

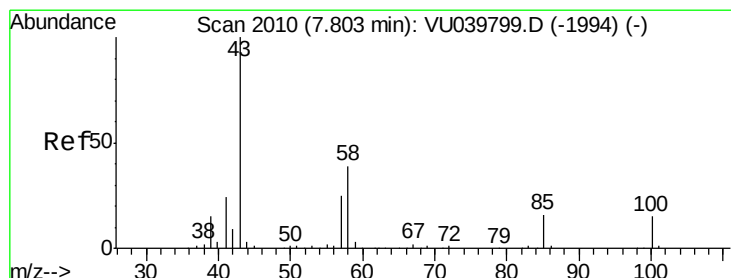
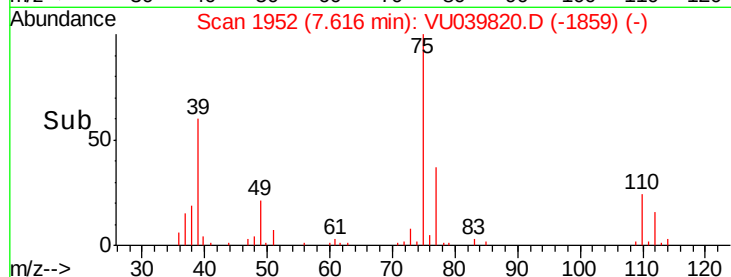
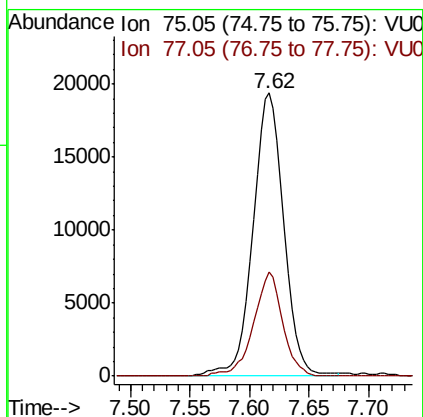
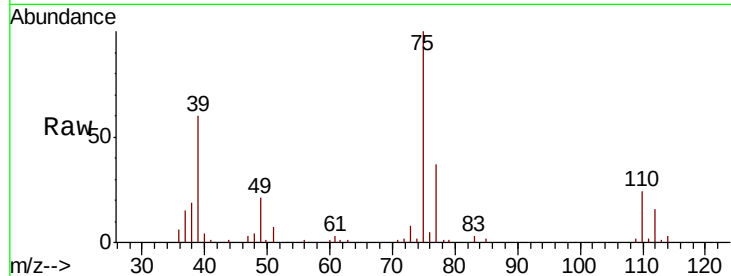




#39
 cis-1,3-Dichloropropene
 Concen: 4.933 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039820.D
 Acq: 08 Aug 2020 18:53

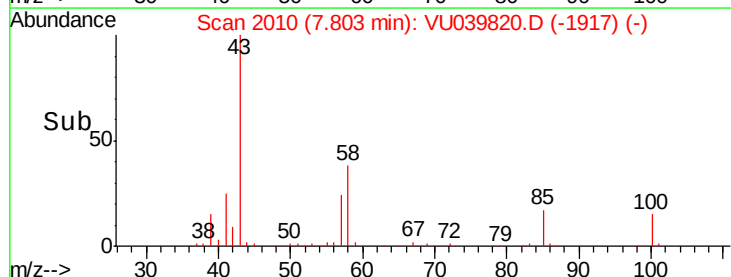
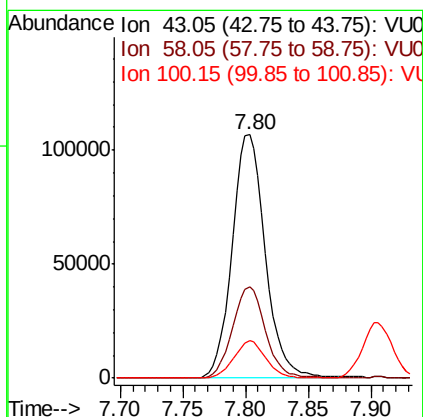
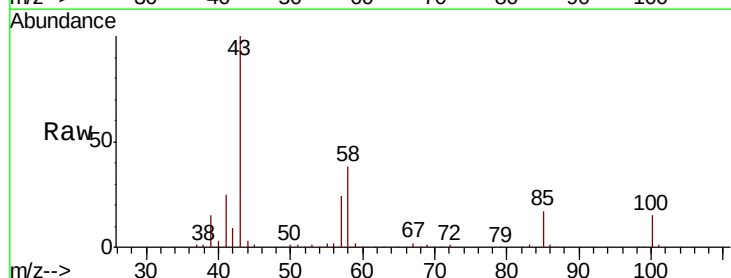
Instrument :
 MSVOA_U
 ClientSampled :

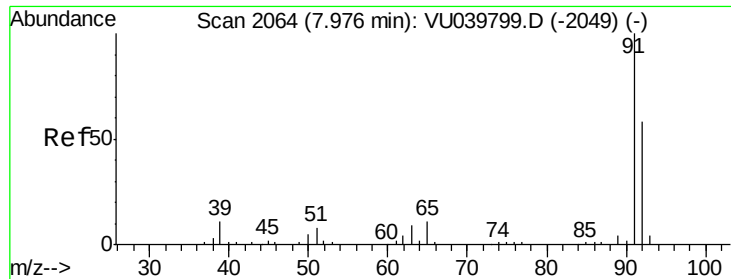
Tot Ion: 75 Resp: 34788
 Ion Ratio Lower Upper
 75 100
 77 36.6 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 50.744 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039820.D
 Acq: 08 Aug 2020 18:53

Tgt Ion: 43 Resp: 196059
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.4 44.2
 100 14.8 11.7 17.5





#42

Toluene

Concen: 5.391 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

Instrument :

MSVOA_U

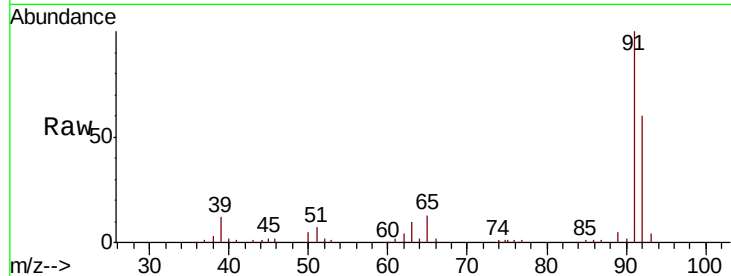
ClientSampleId :

Tot Ion: 91 Resp: 110281

Ion Ratio Lower Upper

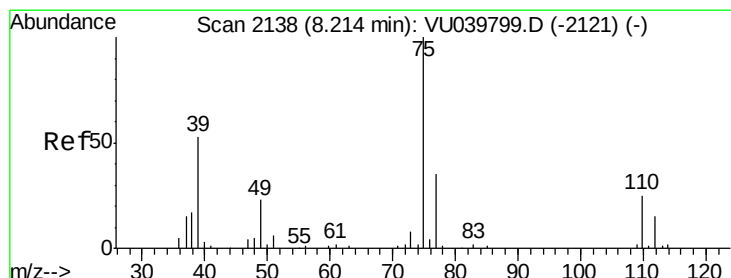
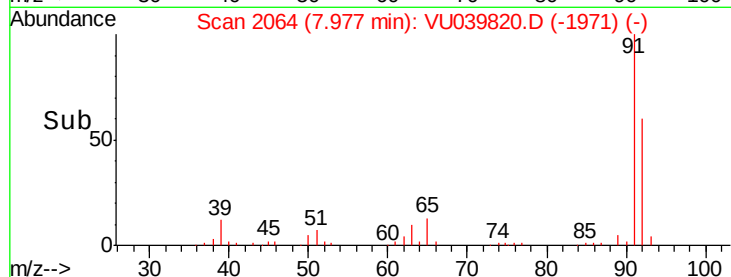
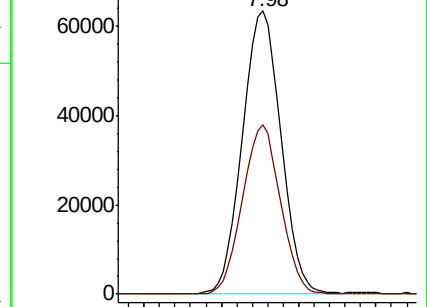
91 100

92 59.8 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VU039799.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU039820.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.073 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039820.D

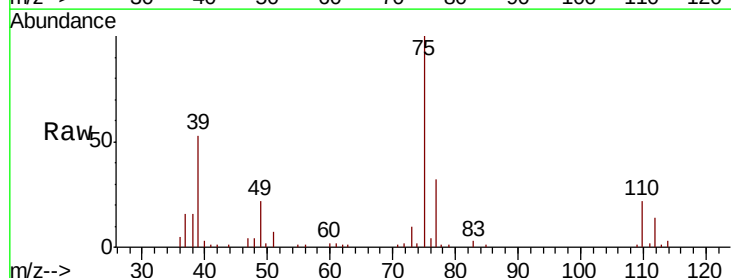
Acq: 08 Aug 2020 18:53

Tgt Ion: 75 Resp: 32226

Ion Ratio Lower Upper

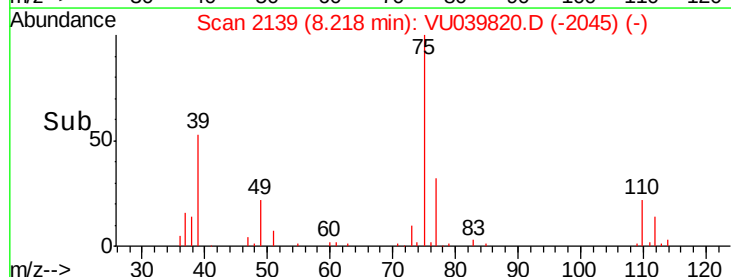
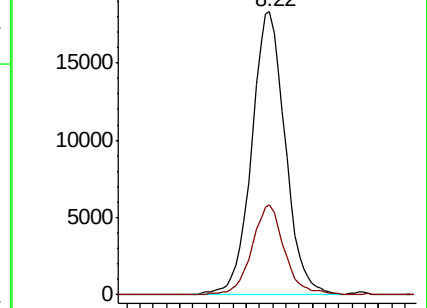
75 100

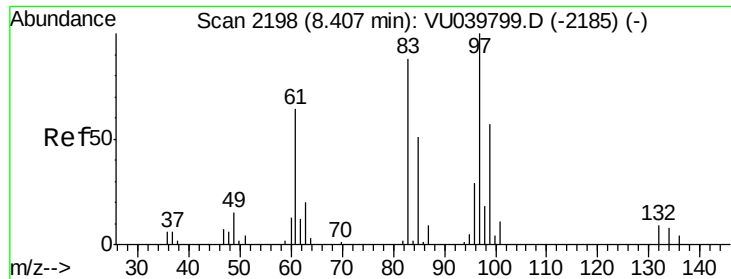
77 31.7 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU039799.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU039820.D (-2045) (-)

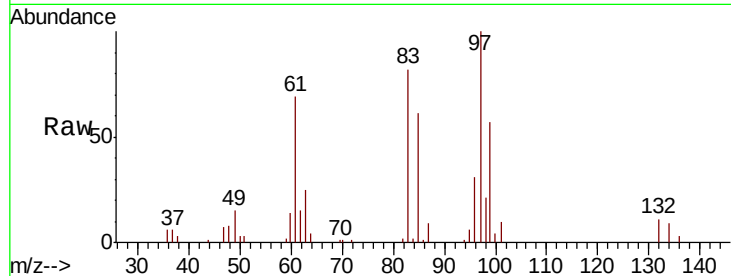




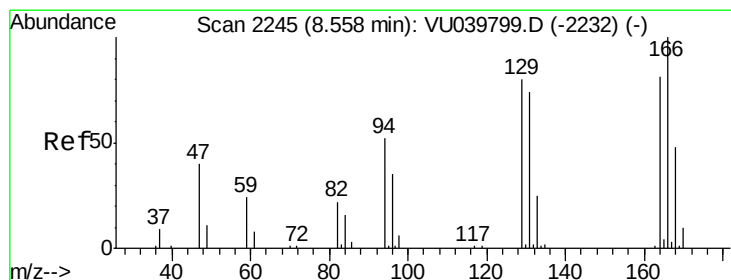
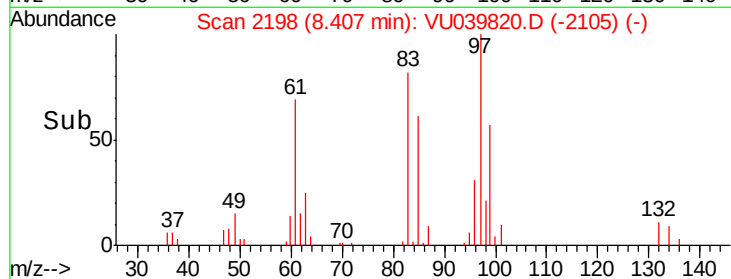
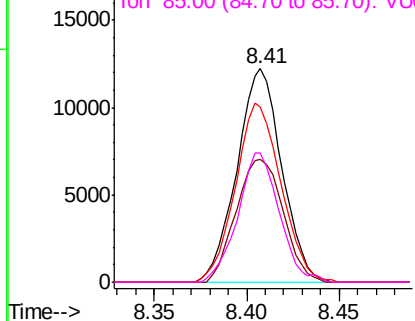
#45
1,1,2-Trichloroethane
Concen: 5.272 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU039820.D
Acq: 08 Aug 2020 18:53

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	20501
Ion	Ratio	Lower	Upper
97	100		
99	57.4	42.0	78.0
83	82.4	55.2	102.4
85	60.8	37.0	68.6

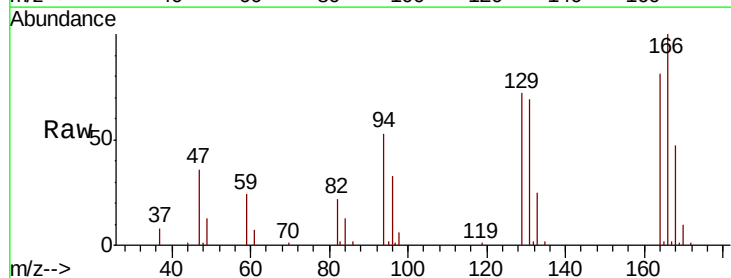


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

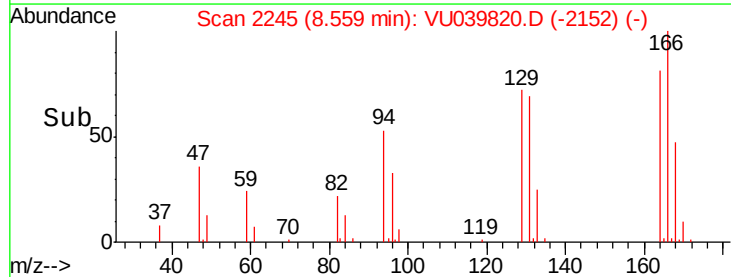
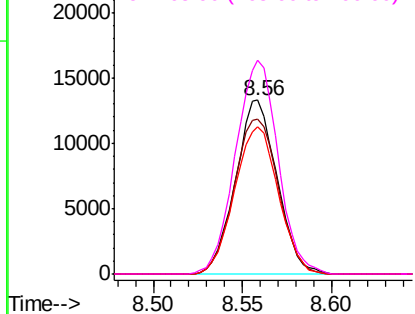


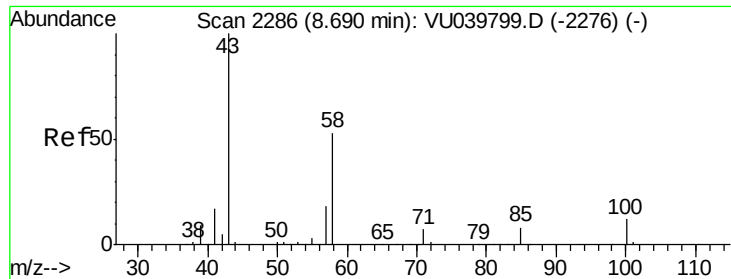
#47
Tetrachloroethene
Concen: 5.174 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU039820.D
Acq: 08 Aug 2020 18:53

Tgt Ion:	164	Resp:	21577
Ion	Ratio	Lower	Upper
164	100		
129	89.1	65.9	122.5
131	84.7	68.1	126.5
166	122.9	84.5	156.9



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

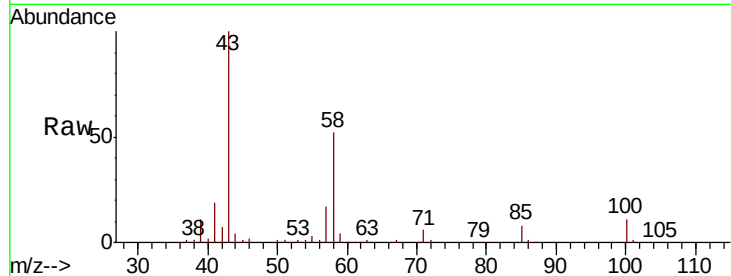




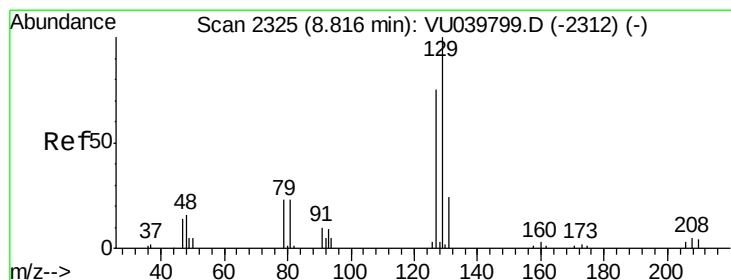
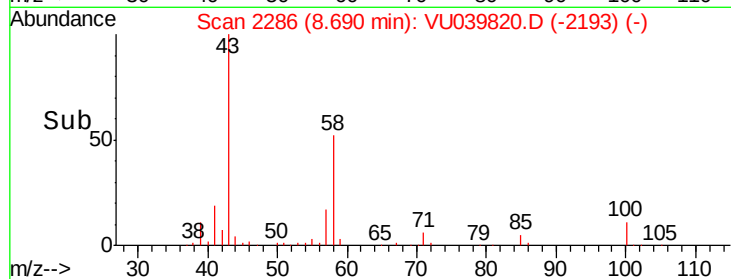
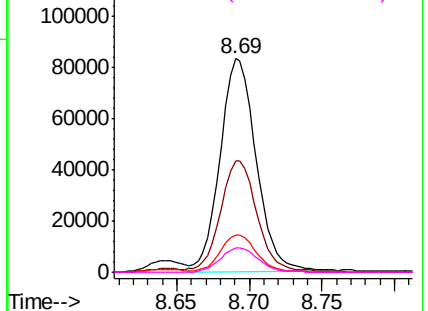
#48
2-Hexanone
Concen: 51.300 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU039820.D
Acq: 08 Aug 2020 18:53

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 143128
Ion Ratio Lower Upper
43 100
58 53.0 41.8 62.8
57 17.6 14.2 21.4
100 12.0 9.4 14.2

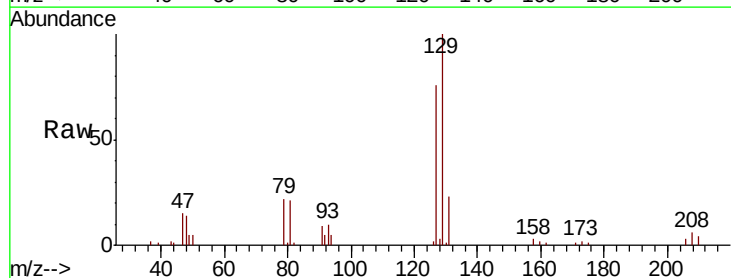


Abundance Ion 43.05 (42.75 to 43.75): VU039799.D (-2276) (-)
Ion 58.05 (57.75 to 58.75): VU039799.D (-2276) (-)
Ion 57.20 (56.90 to 57.90): VU039799.D (-2276) (-)
Ion 100.15 (99.85 to 100.85): VU039799.D (-2276) (-)

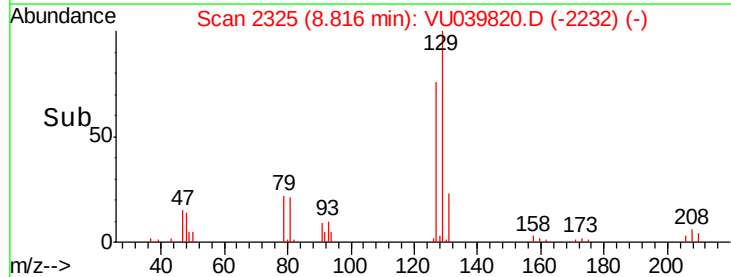
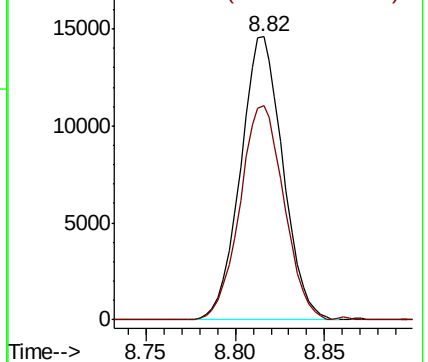


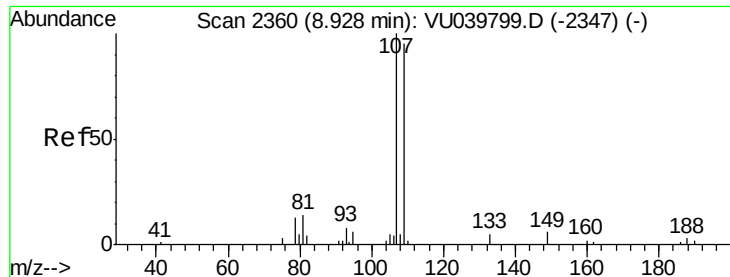
#49
Dibromochloromethane
Concen: 5.075 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039820.D
Acq: 08 Aug 2020 18:53

Tgt Ion: 129 Resp: 24220
Ion Ratio Lower Upper
129 100
127 75.9 53.0 98.4



Abundance Ion 128.95 (128.65 to 129.65): VU039799.D (-2312) (-)
Ion 126.90 (126.60 to 127.60): VU039799.D (-2312) (-)

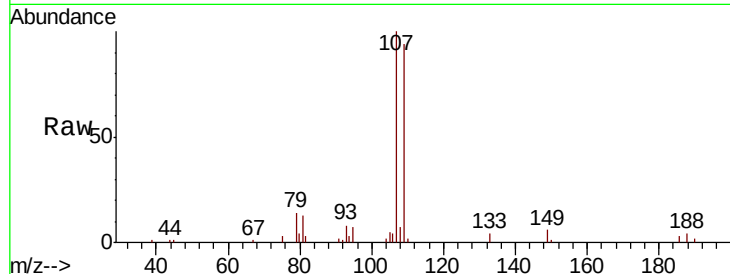




#50
 1,2-Dibromoethane
 Concen: 5.195 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU039820.D
 Acq: 08 Aug 2020 18:53

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	107	Resp	19810
Ion Ratio	Lower	Upper	
107	100		
109	93.6	63.9	118.7
188	3.9	2.9	4.3

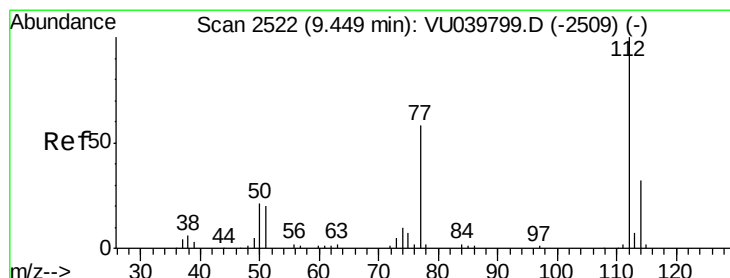
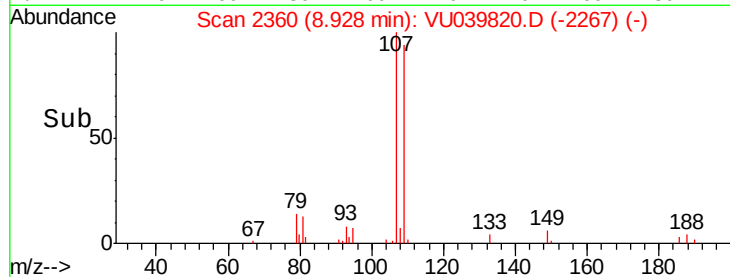
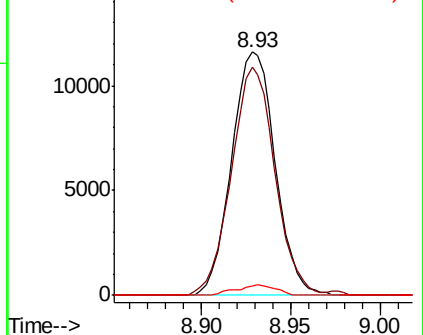


Abundance

Ion 106.95 (106.65 to 107.65): V

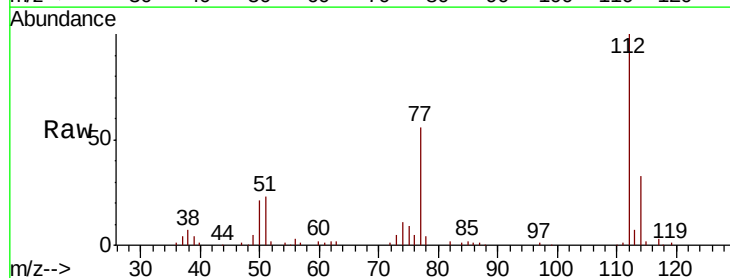
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 5.231 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU039820.D
 Acq: 08 Aug 2020 18:53

Tgt Ion	112	Resp	71902
Ion Ratio	Lower	Upper	
112	100		
114	33.1	23.2	43.0
77	55.5	47.8	71.6

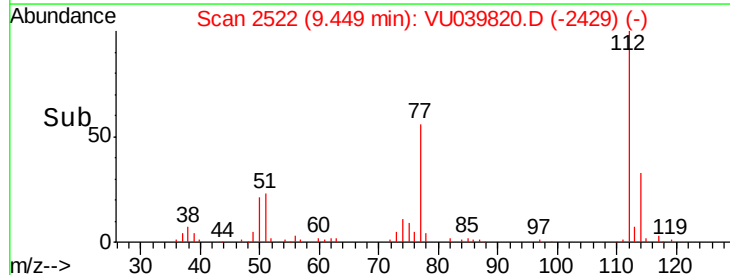
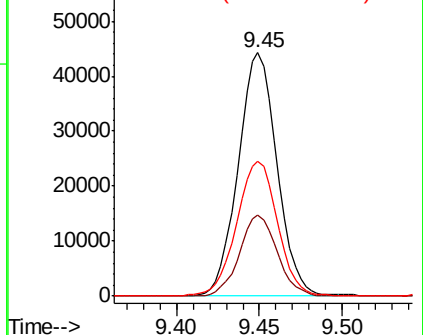


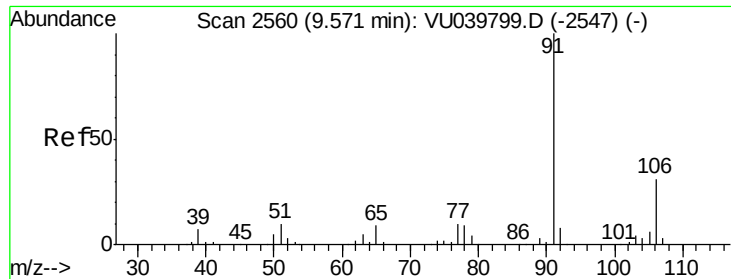
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 5.123 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

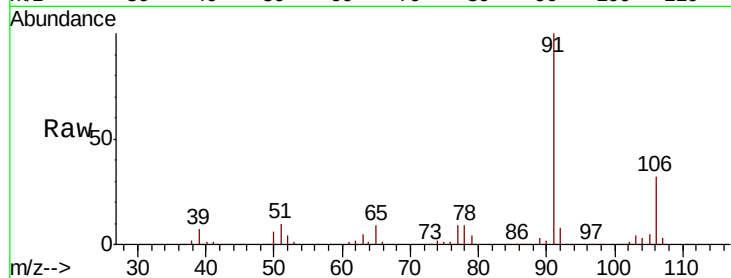
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 117304

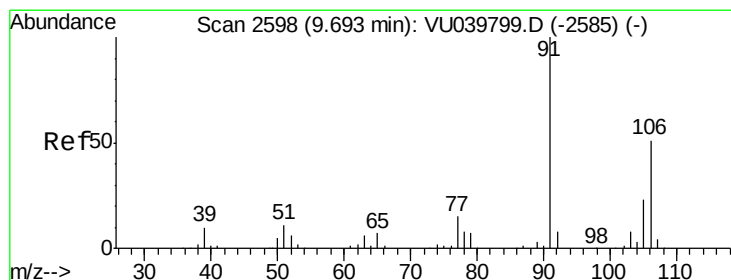
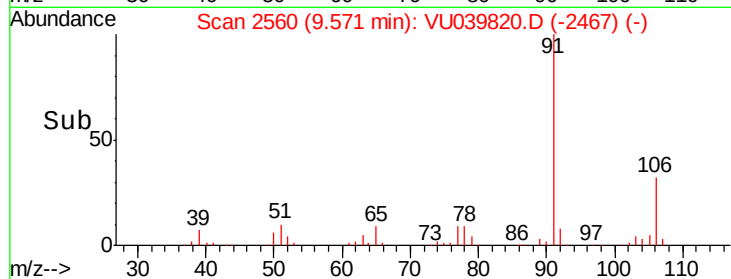
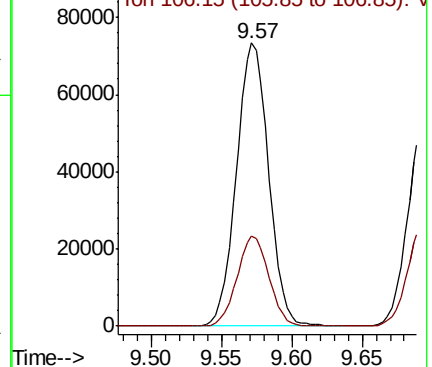
Ion Ratio Lower Upper

91 100

106 32.1 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU039799.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.286 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039820.D

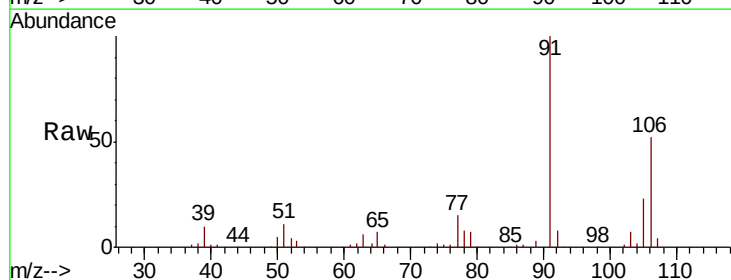
Acq: 08 Aug 2020 18:53

Tgt Ion:106 Resp: 46084

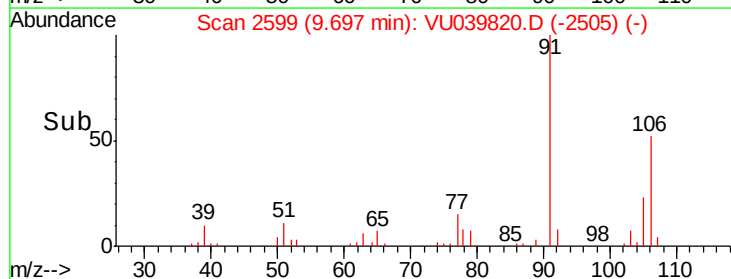
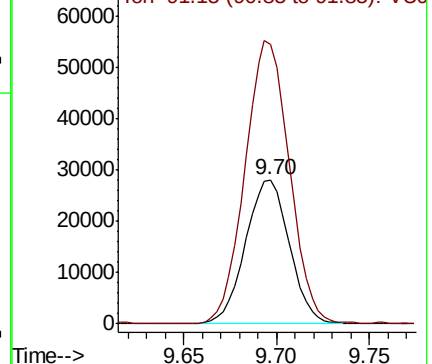
Ion Ratio Lower Upper

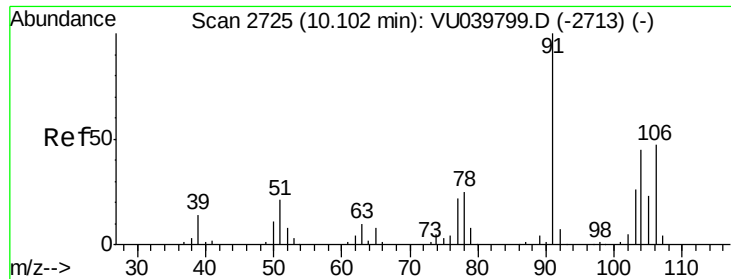
106 100

91 193.9 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): VU039799.D (-2585) (-)

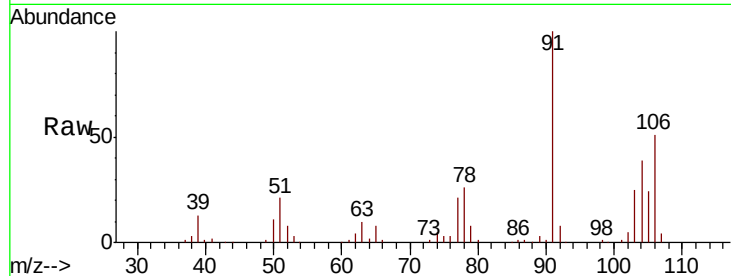




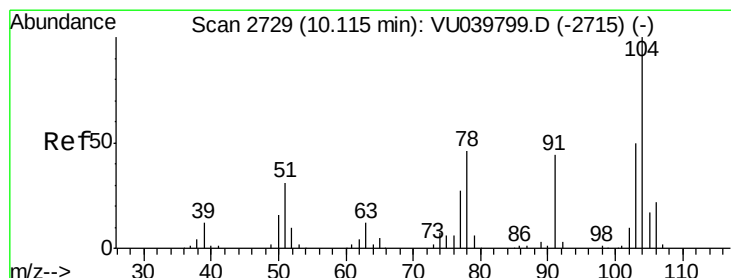
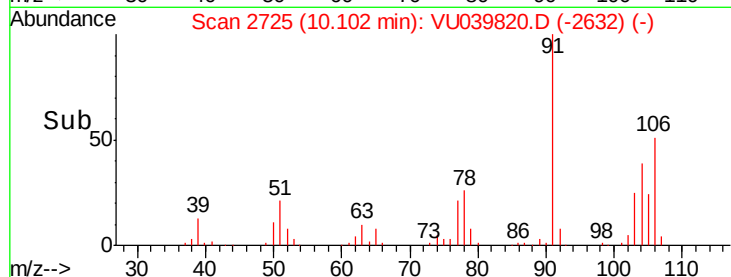
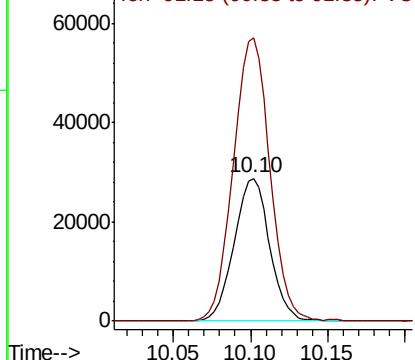
#54
o-Xylene
Concen: 5.355 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039820.D
Acq: 08 Aug 2020 18:53

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 45718
Ion Ratio Lower Upper
106 100
91 198.0 140.8 261.6

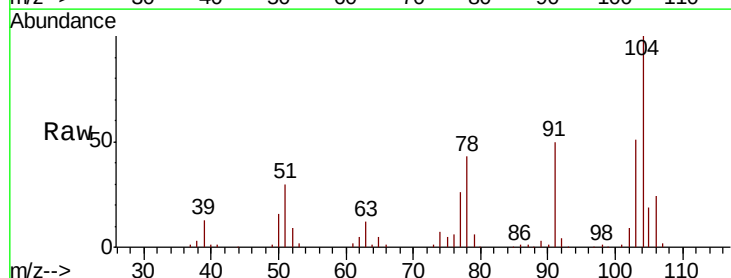


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

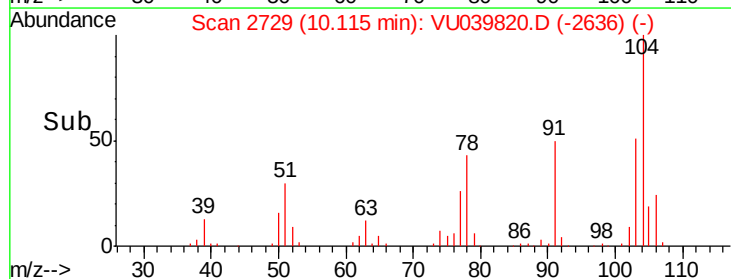
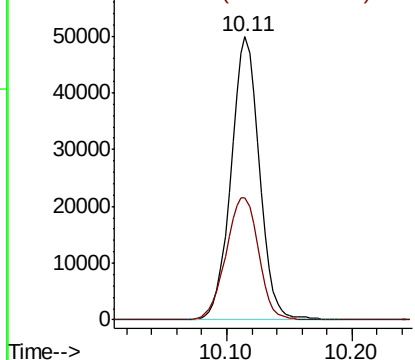


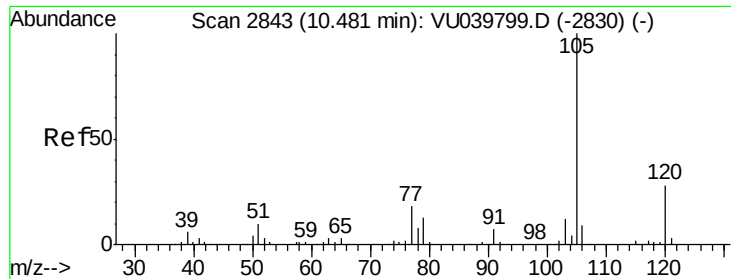
#55
Styrene
Concen: 5.428 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039820.D
Acq: 08 Aug 2020 18:53

Tgt Ion:104 Resp: 78038
Ion Ratio Lower Upper
104 100
78 43.1 32.3 60.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.131 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

Instrument :

MSVOA_U

ClientSampleId :

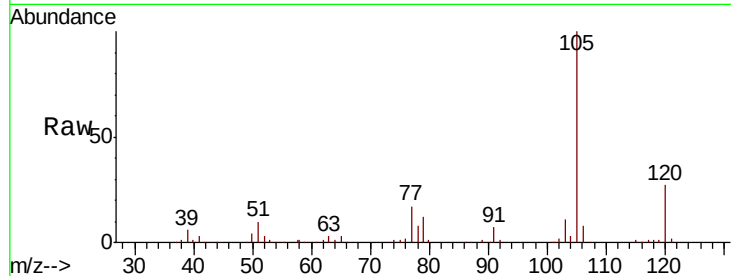
Tot Ion:105 Resp: 117073

Ion Ratio Lower Upper

105 100

120 27.6 21.0 31.6

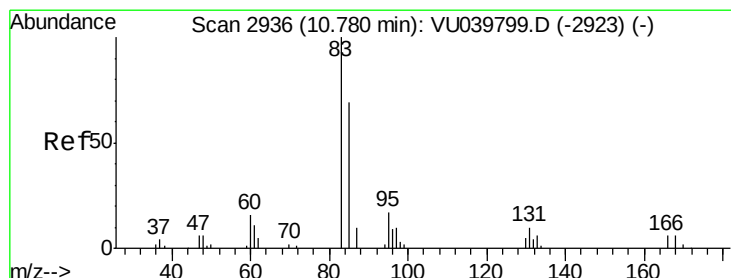
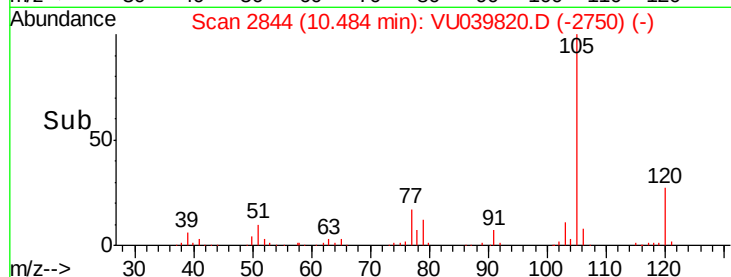
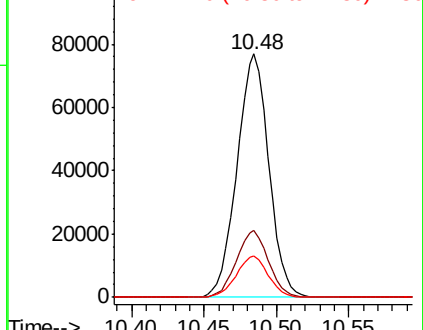
77 17.0 12.9 19.3



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: 4.734 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

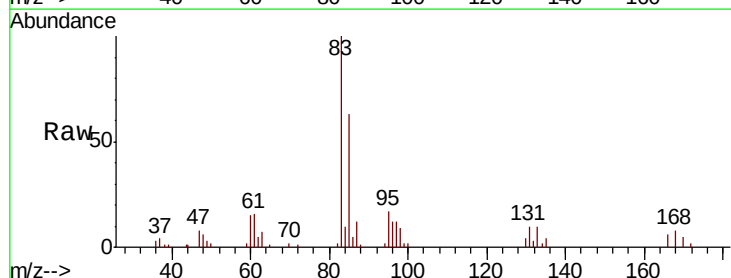
Tgt Ion: 83 Resp: 25331

Ion Ratio Lower Upper

83 100

85 62.8 44.4 82.4

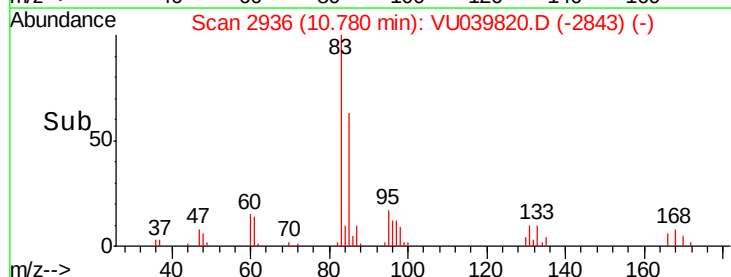
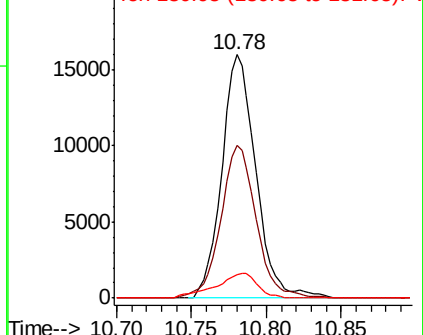
131 9.7 7.4 11.0

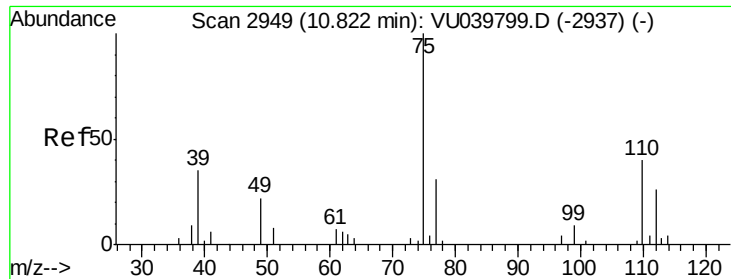


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.032 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

Instrument :

MSVOA_U

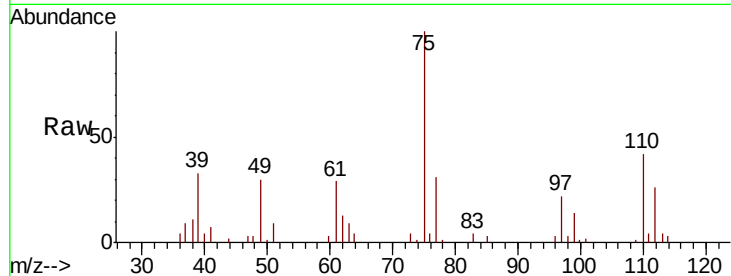
ClientSampled :

Tot Ion: 75 Resp: 18765

Ion Ratio Lower Upper

75 100

77 30.6 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU039799.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039799.D (-2937) (-)

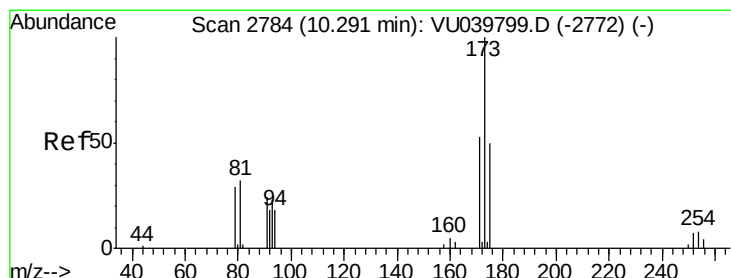
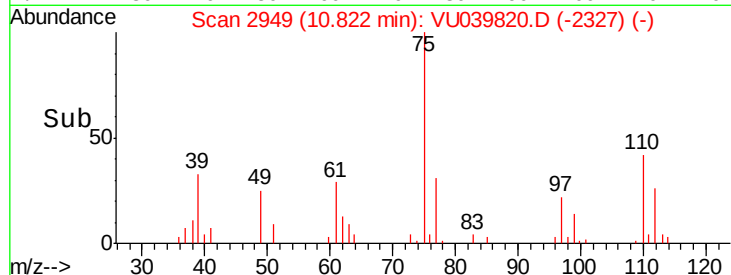
10.82

10000

5000

0

Time-->



#61

Bromoform

Concen: 5.020 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

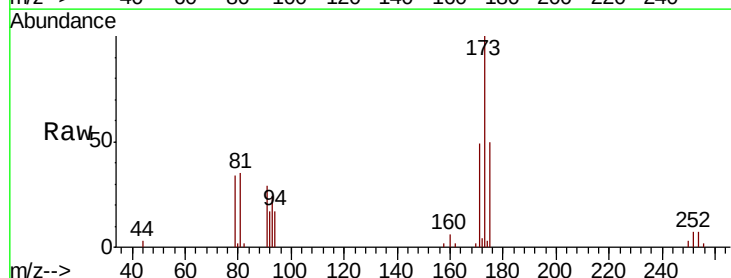
Tgt Ion:173 Resp: 12888

Ion Ratio Lower Upper

173 100

175 48.9 33.8 50.8

254 5.9 5.5 8.3



Abundance Ion 172.90 (172.60 to 173.60): VU039799.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039799.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039799.D (-2772) (-)

10.29

10000

8000

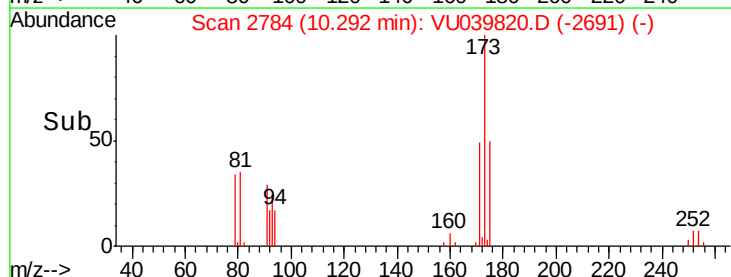
6000

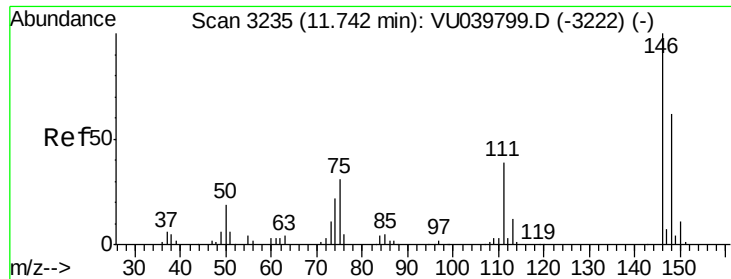
4000

2000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.299 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

Instrument :

MSVOA_U

ClientSampleId :

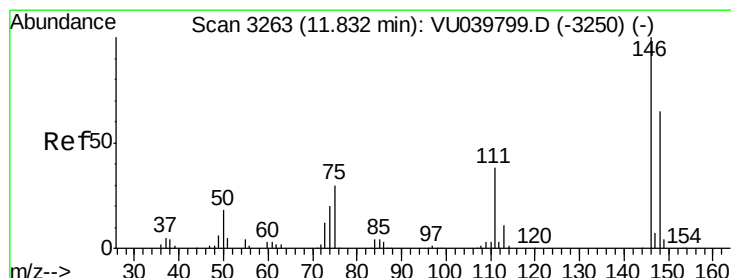
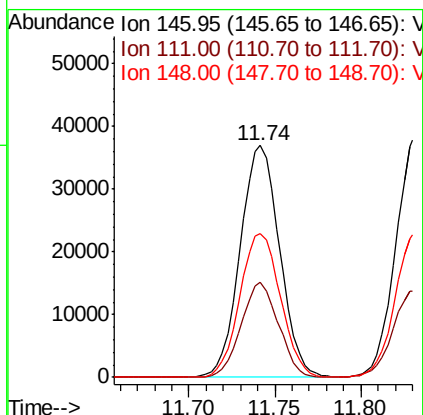
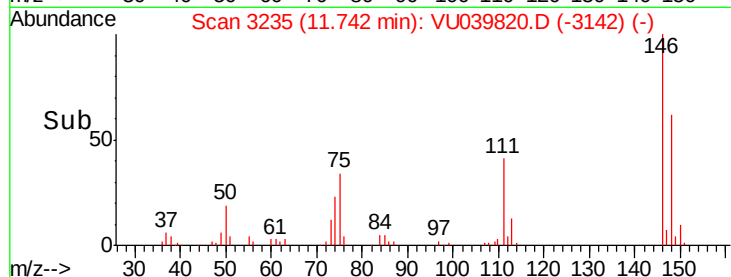
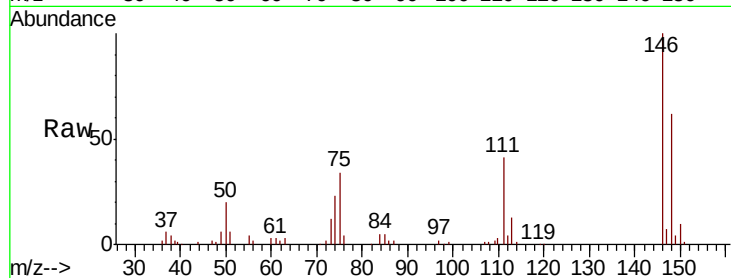
Tot Ion:146 Resp: 58929

Ion Ratio Lower Upper

146 100

111 41.0 27.7 51.5

148 62.1 45.2 84.0



#63

1,4-Dichlorobenzene

Concen: 5.130 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

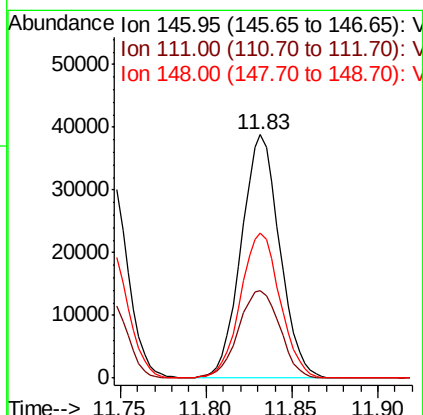
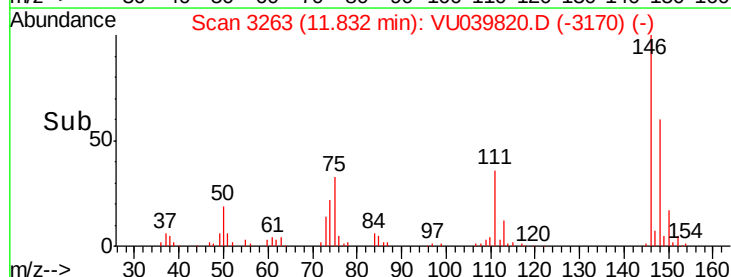
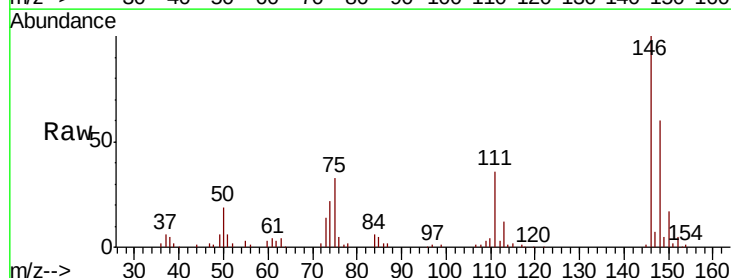
Tgt Ion:146 Resp: 60140

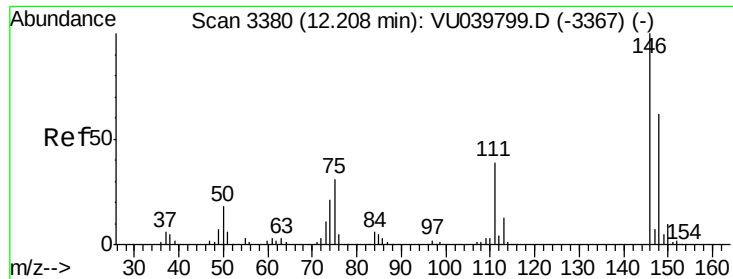
Ion Ratio Lower Upper

146 100

111 35.9 26.5 49.3

148 59.6 45.3 84.1

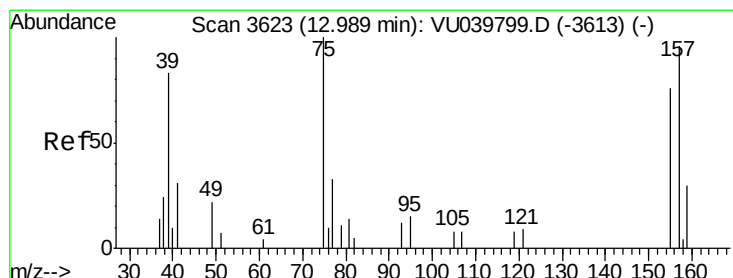
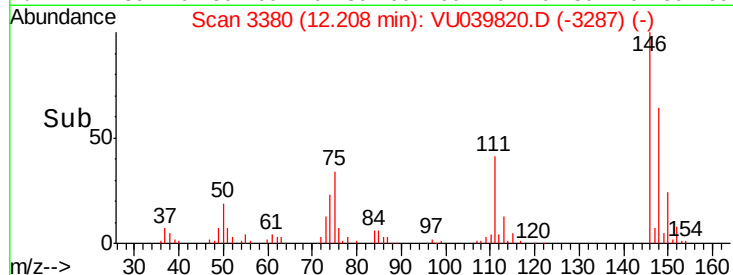
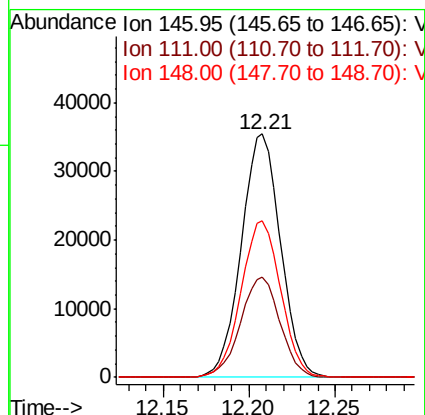
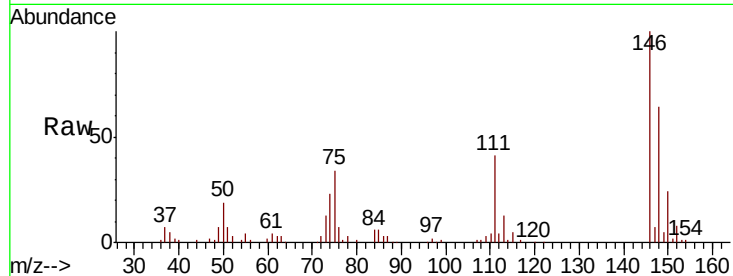




#65
 1,2-Dichlorobenzene
 Concen: 5.123 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039820.D
 Acq: 08 Aug 2020 18:53

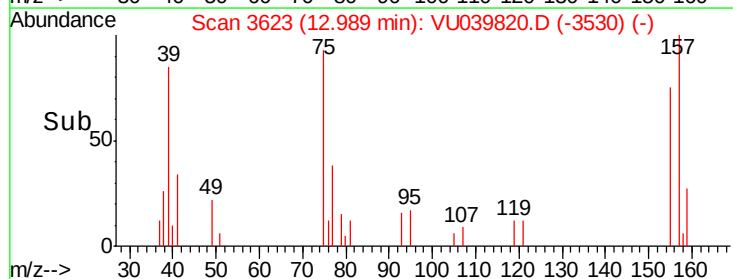
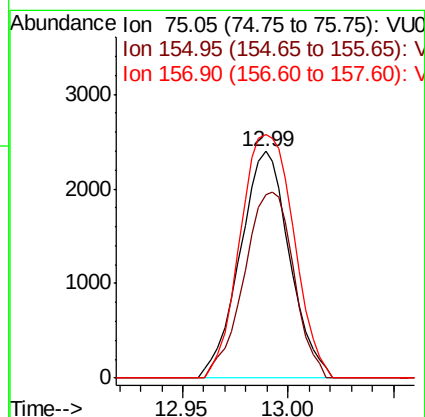
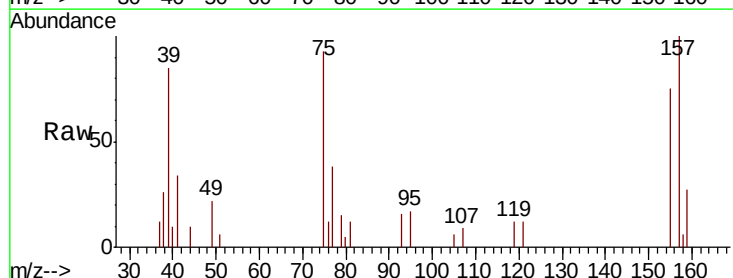
Instrument :
 MSVOA_U
 ClientSampleId :

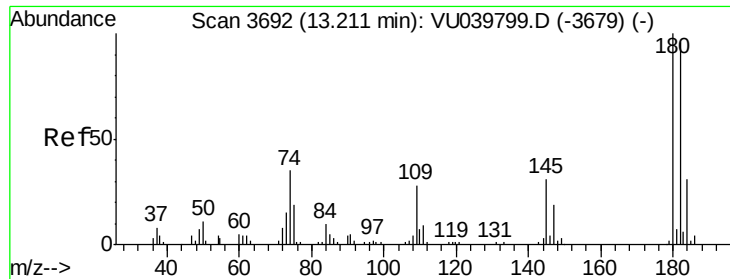
Tot Ion:146 Resp: 56130
 Ion Ratio Lower Upper
 146 100
 111 40.9 33.1 49.7
 148 64.3 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.740 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039820.D
 Acq: 08 Aug 2020 18:53

Tgt Ion: 75 Resp: 3926
 Ion Ratio Lower Upper
 75 100
 155 81.1 64.0 96.0
 157 107.5 77.0 115.6

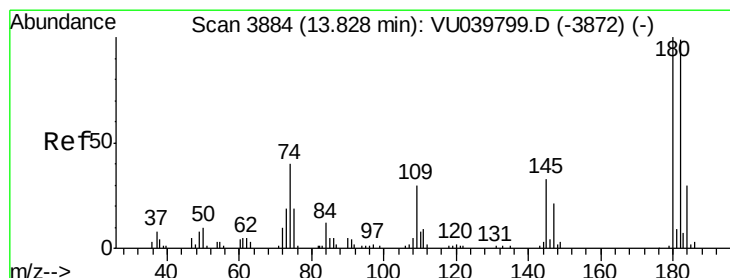
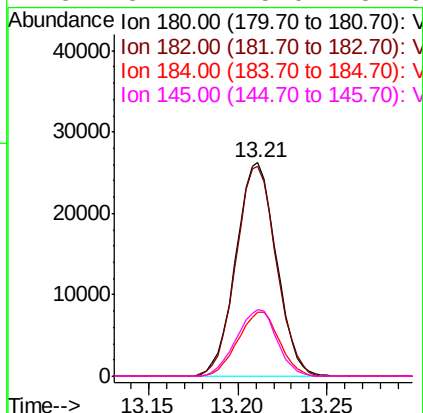
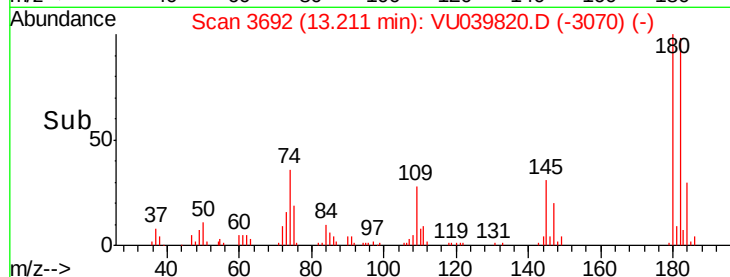
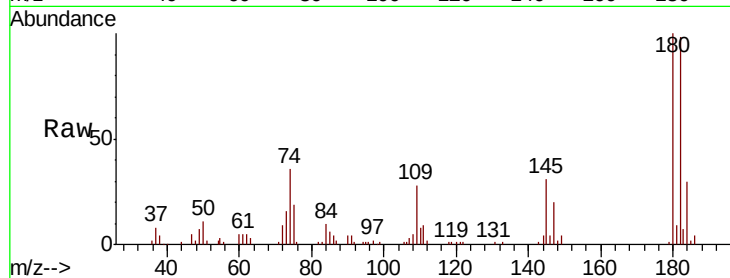




#67
 1,3,5-Trichlorobenzene
 Concen: 4.936 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039820.D
 Acq: 08 Aug 2020 18:53

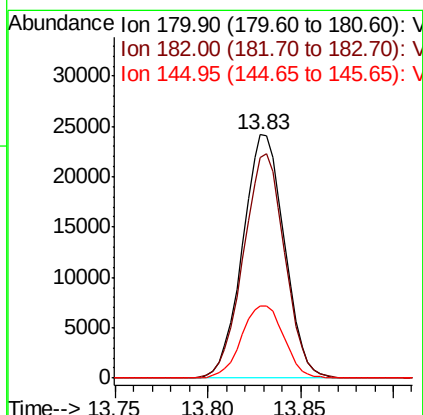
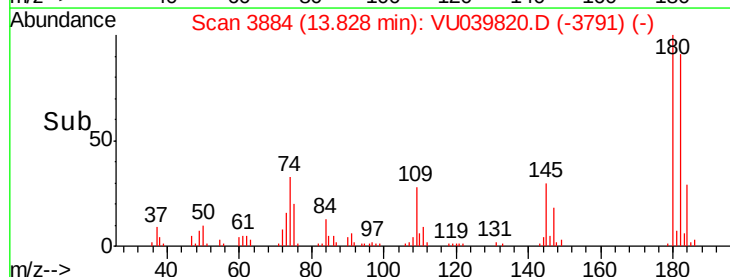
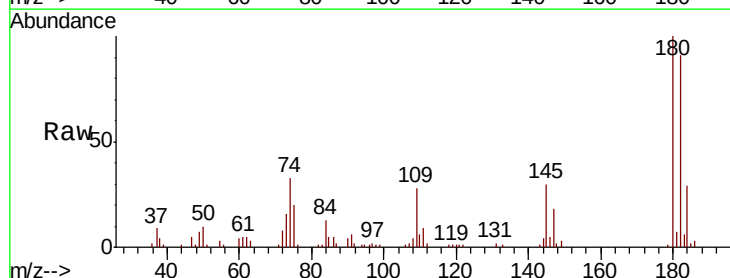
Instrument :
 MSVOA_U
 ClientSampleId :

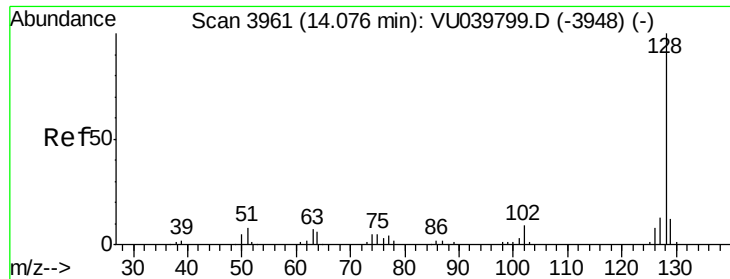
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	74.9	112.3
184	30.7	25.3	37.9
145	31.2	25.0	37.6



#68
 1,2,4-trichlorobenzene
 Concen: 5.337 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU039820.D
 Acq: 08 Aug 2020 18:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.9	75.7	113.5
145	30.3	25.1	37.7





#69

Naphthalene

Concen: 4.865 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

Instrument :

MSVOA_U

ClientSampled :

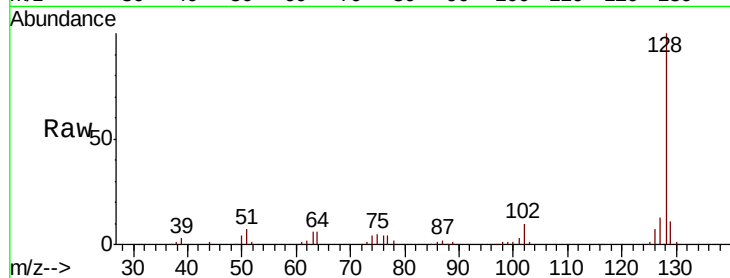
Tot Ion:128 Resp: 61446

Ion Ratio Lower Upper

128 100

129 10.5 8.9 13.3

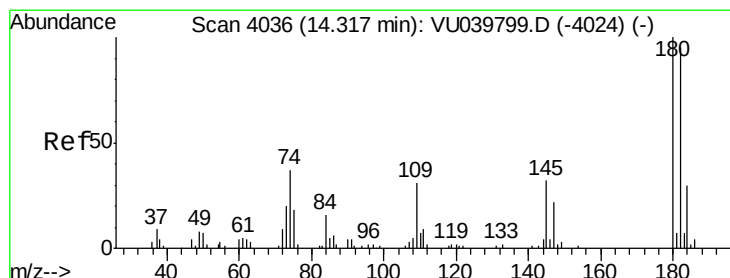
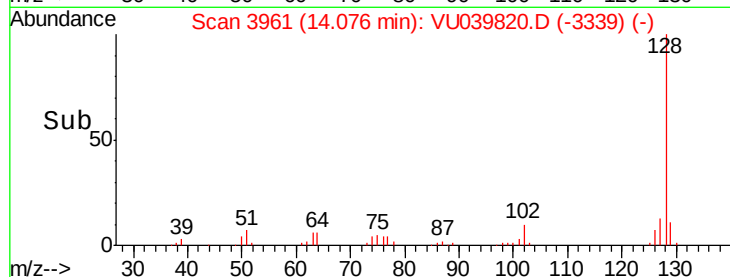
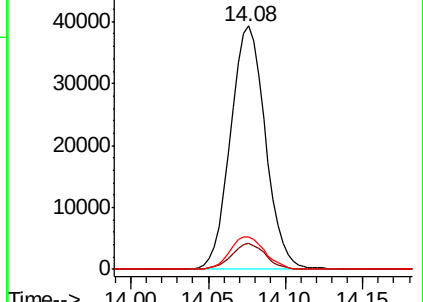
127 13.4 10.1 15.1



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: 5.440 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU039820.D

Acq: 08 Aug 2020 18:53

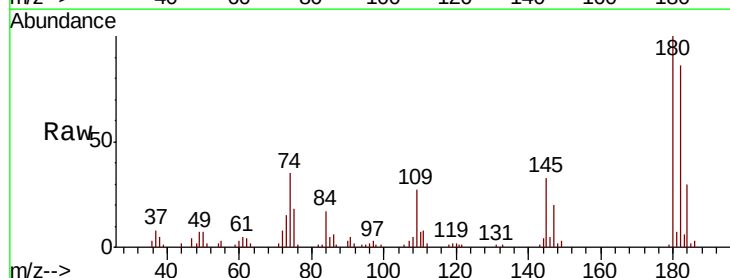
Tgt Ion:180 Resp: 34472

Ion Ratio Lower Upper

180 100

182 89.9 76.1 114.1

145 34.8 27.4 41.0



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

