

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080620\
 Data File : VU039758.D
 Acq On : 06 Aug 2020 15:38
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 07 03:25:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 07 03:23:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	84145	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	77974	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	40443	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	24611	5.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.40%
7) Chloroethane-d5	1.92	69	23442	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.58	63	46737	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.20%
20) 2-Butanone-d5	4.66	46	91690	45.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.76%
24) Chloroform-d	5.08	84	56114	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.72	65	31365	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	5.75	84	97352	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
36) 1,2-Dichloropropane-d6	6.70	67	32705	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.91	98	81318	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	8.19	79	10906	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.64	63	65477	49.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.34%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	29821	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	34521	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	28381	4.183	ug/L 100
3) Chloromethane	1.53	50	33516	4.697	ug/L 97
5) Vinyl chloride	1.61	62	33187	4.851	ug/L 99
6) Bromomethane	1.86	94	18683	4.315	ug/L 99
8) Chloroethane	1.94	64	21945	4.374	ug/L 96
9) Trichlorofluoromethane	2.15	101	48766	4.583	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	25522	4.421	ug/L 94
12) 1,1-Dichloroethene	2.59	96	23436	4.669	ug/L 97
13) Acetone	2.66	43	47175	40.041	ug/L 98
14) Carbon disulfide	2.81	76	73203	4.664	ug/L 100
15) Methyl Acetate	2.97	43	11829	4.071	ug/L 96
16) Methylene chloride	3.06	84	29124	3.599	ug/L 97
17) Methyl tert-butyl Ether	3.38	73	61620	4.623	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	25179	4.506	ug/L 95
19) 1,1-Dichloroethane	3.89	63	49838	4.831	ug/L 96
21) 2-Butanone	4.73	43	77981	42.001	ug/L 98
22) cis-1,2-Dichloroethene	4.69	96	28226	4.644	ug/L 92

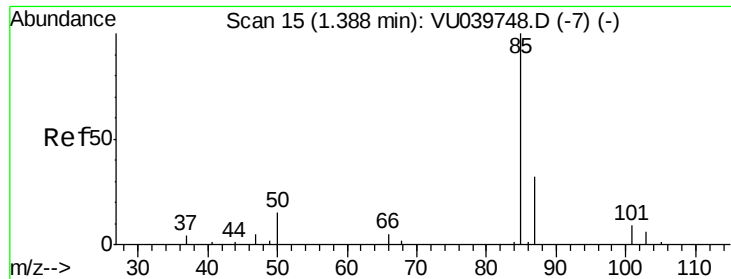
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080620\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	13028	4.564	ug/L	96
25) Chloroform	5.11	83	49388	4.453	ug/L	90
27) 1,2-Dichloroethane	5.81	62	33887	4.434	ug/L	100
29) 1,1,1-Trichloroethane	5.34	97	43606	5.014	ug/L	95
30) Cyclohexane	5.40	56	40355	4.822	ug/L	99
31) Carbon tetrachloride	5.54	117	38533	4.828	ug/L	98
33) Benzene	5.79	78	104677	4.927	ug/L	100
34) Trichloroethene	6.56	95	26702	4.840	ug/L	96
35) Methylcyclohexane	6.77	83	36559	4.151	ug/L	95
37) 1,2-Dichloropropane	6.80	63	28597	5.068	ug/L	99
38) Bromodichloromethane	7.12	83	35195	4.767	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	32875	4.272	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	189464	44.932	ug/L	98
42) Toluene	7.98	91	108209	4.847	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	27748	4.002	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	20199	4.759	ug/L	91
47) Tetrachloroethene	8.56	164	19507	4.286	ug/L	95
48) 2-Hexanone	8.69	43	140069	46.000	ug/L	98
49) Dibromochloromethane	8.82	129	24757	4.753	ug/L	98
50) 1,2-Dibromoethane	8.93	107	19330	4.644	ug/L	96
51) Chlorobenzene	9.45	112	71409	4.760	ug/L	97
52) Ethylbenzene	9.57	91	114691	4.590	ug/L	99
53) m,p-Xylene	9.70	106	46040	4.838	ug/L	97
54) o-Xylene	10.10	106	43213	4.638	ug/L	93
55) Styrene	10.11	104	76581	4.881	ug/L	100
56) Isopropylbenzene	10.48	105	113283	4.549	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	25249	4.324	ug/L	94
59) 1,2,3-Trichloropropane	10.82	75	18009	4.425	ug/L	94
61) Bromoform	10.29	173	13096	4.793	ug/L	91
62) 1,3-Dichlorobenzene	11.74	146	54678	4.619	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	54762	4.389	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	54718	4.692	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	3974	4.508	ug/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	36597	4.080	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	31776	4.227	ug/L	98
69) Naphthalene	14.08	128	60927	4.533	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	31388	4.654	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.183 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039758.D

Acq: 06 Aug 2020 15:38

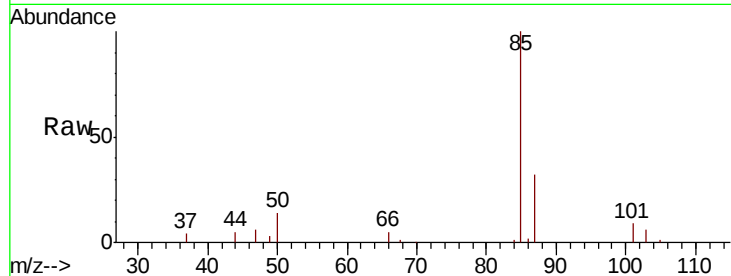
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 28381

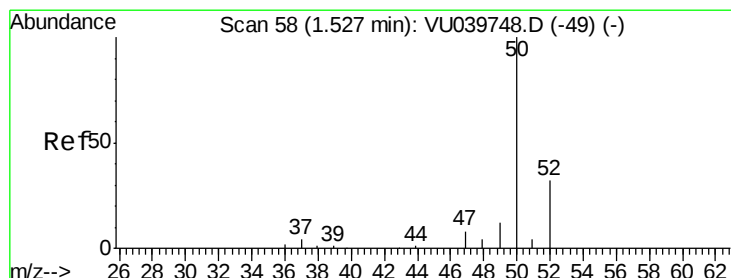
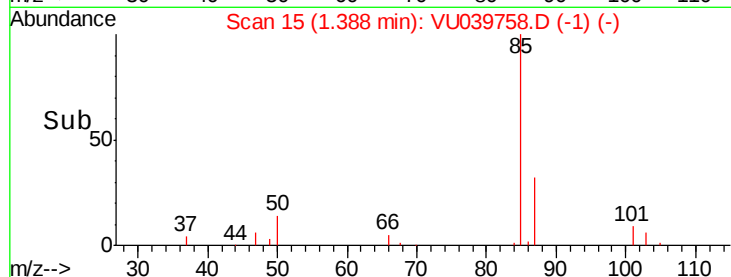
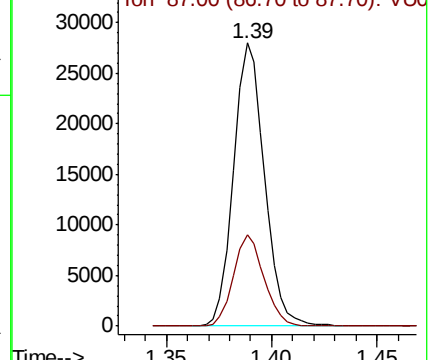
Ion Ratio Lower Upper

85 100

87 31.7 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU039748.D (-7) (-)



#3

Chloromethane

Concen: 4.697 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039758.D

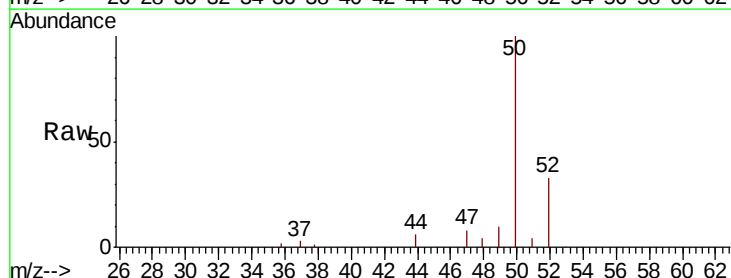
Acq: 06 Aug 2020 15:38

Tgt Ion: 50 Resp: 33516

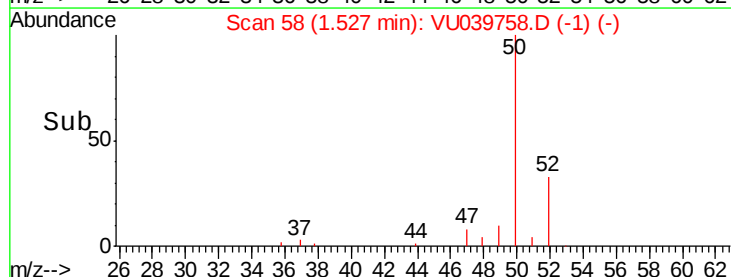
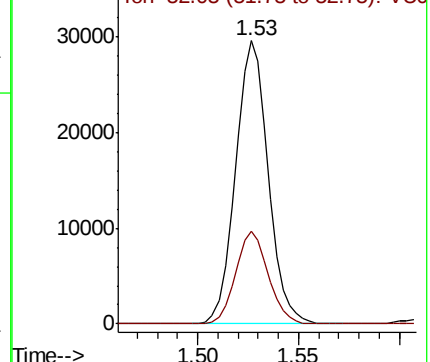
Ion Ratio Lower Upper

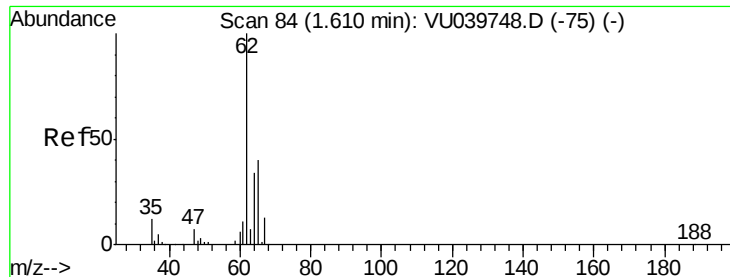
50 100

52 32.7 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VU039748.D (-49) (-)





#5

Vinyl chloride

Concen: 4.851 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039758.D

Acq: 06 Aug 2020 15:38

Instrument :

MSVOA_U

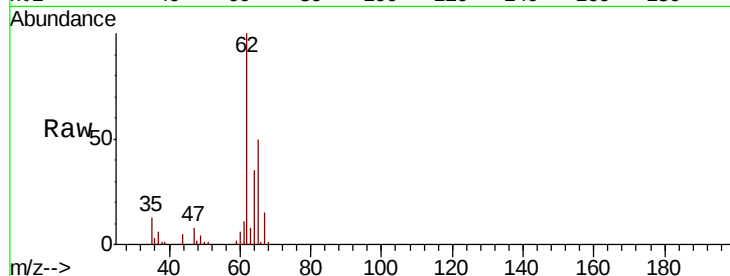
ClientSampleId :

Tot Ion: 62 Resp: 33187

Ion Ratio Lower Upper

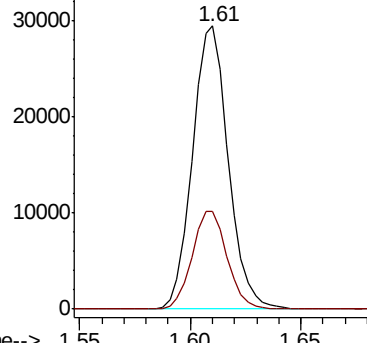
62 100

64 34.8 24.1 44.7

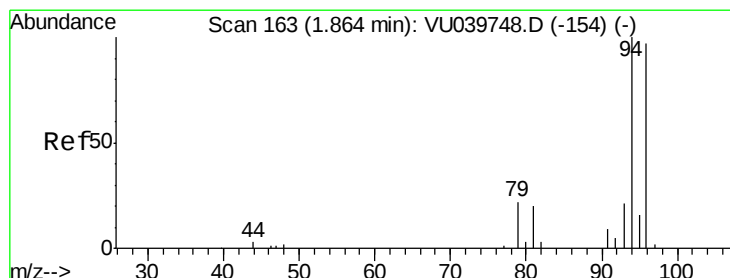
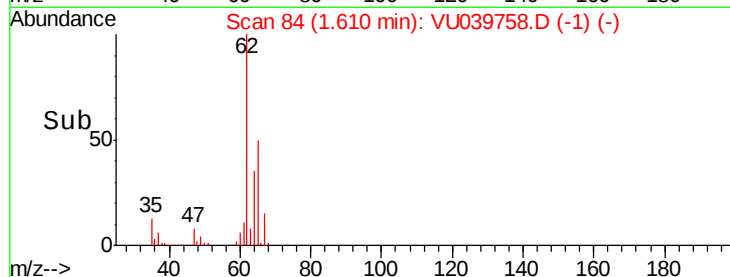


Abundance Ion 62.00 (61.70 to 62.70): VU039748.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039748.D (-75) (-)



Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 4.315 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039758.D

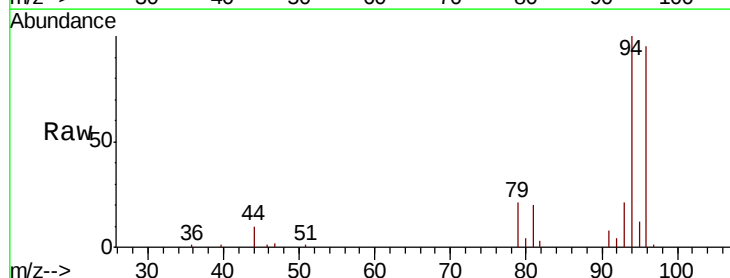
Acq: 06 Aug 2020 15:38

Tgt Ion: 94 Resp: 18683

Ion Ratio Lower Upper

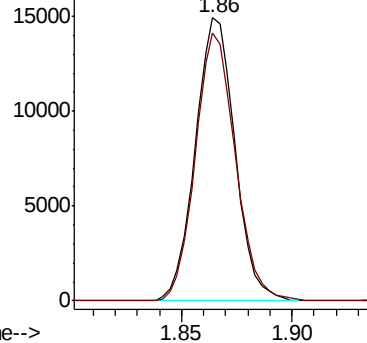
94 100

96 94.9 65.8 122.2

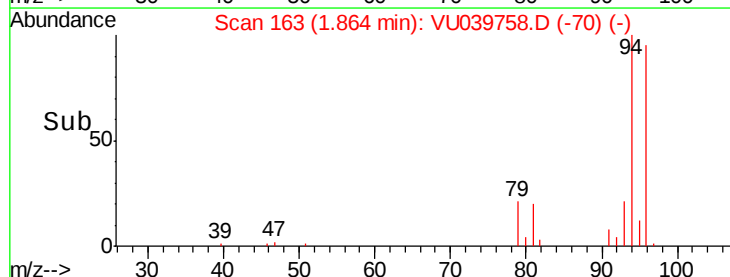


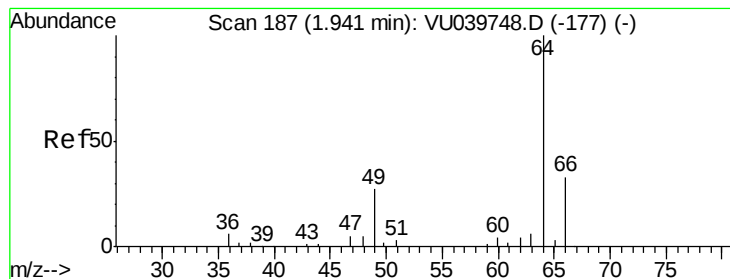
Abundance Ion 94.00 (93.70 to 94.70): VU039748.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU039748.D (-154) (-)



Time--> 1.85 1.90





#8

Chloroethane

Concen: 4.374 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039758.D

Acq: 06 Aug 2020 15:38

Instrument :

MSVOA_U

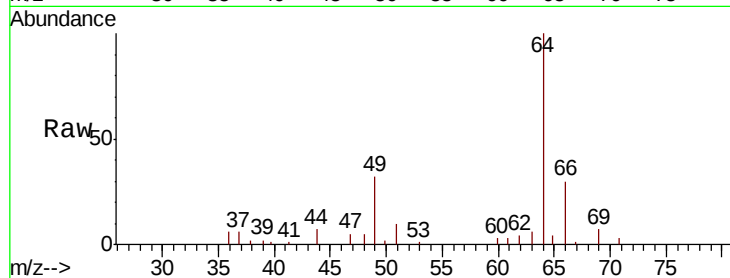
ClientSampleId :

Tot Ion: 64 Resp: 21945

Ion Ratio Lower Upper

64 100

66 29.8 22.3 41.3



Abundance Ion 64.10 (63.80 to 64.80): VU039748.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU039748.D (-177) (-)

1.94

15000

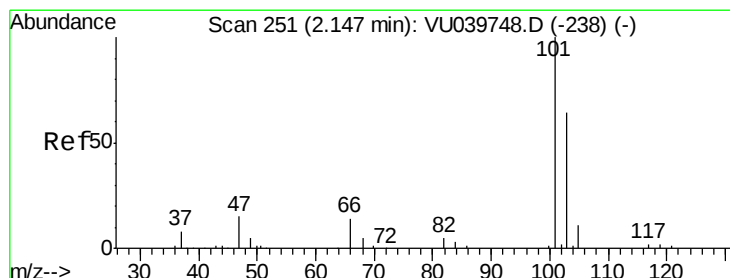
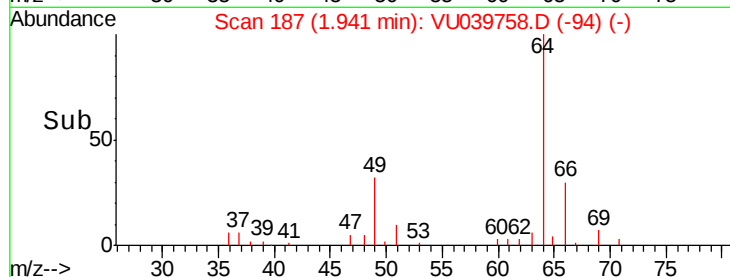
10000

5000

0

Time-->

1.90 1.95 2.00



#9

Trichlorofluoromethane

Concen: 4.583 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU039758.D

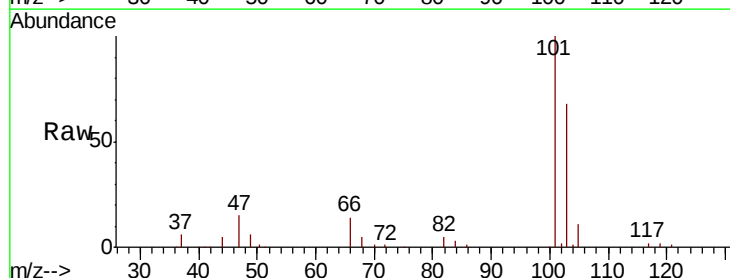
Acq: 06 Aug 2020 15:38

Tgt Ion: 101 Resp: 48766

Ion Ratio Lower Upper

101 100

103 65.5 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU039748.D (-238) (-)

Ion 103.00 (102.70 to 103.70): VU039748.D (-238) (-)

2.15

30000

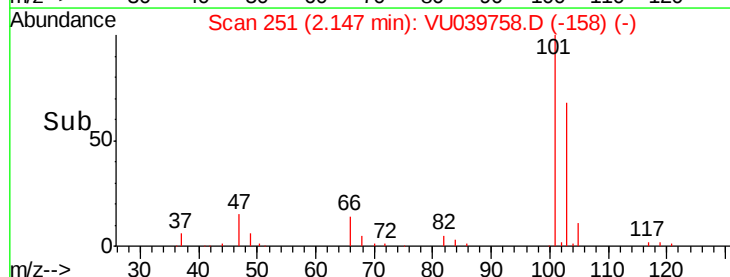
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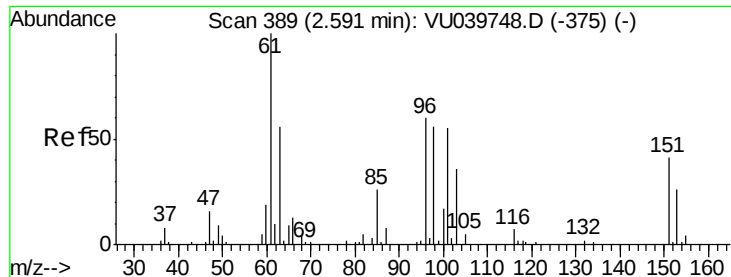
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0

Time-->

2.10 2.15 2.20





#10

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

Concen: 4.421 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039758.D

Acq: 06 Aug 2020 15:38

Instrument :

MSVOA_U

ClientSampleId :

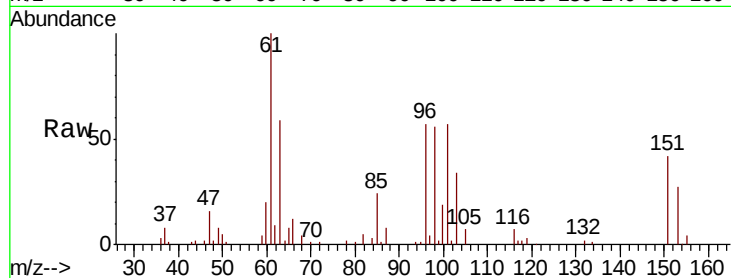
Tot Ion:101 Resp: 25522

Ion Ratio Lower Upper

101 100

85 44.5 37.9 56.9

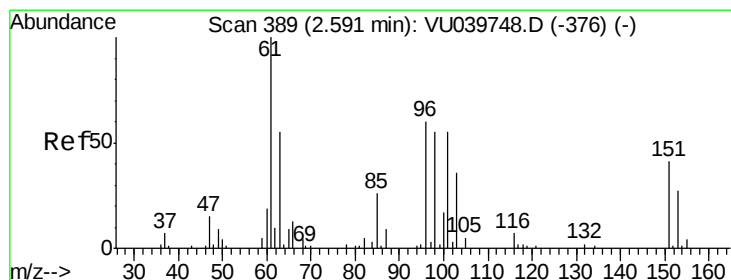
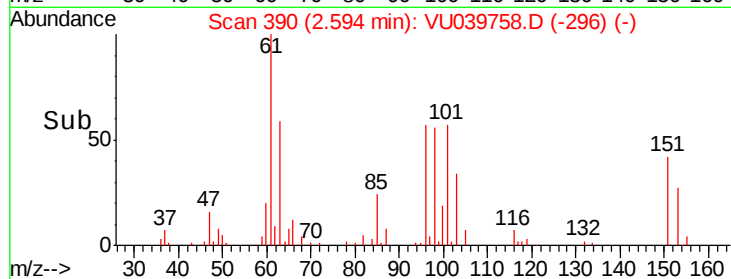
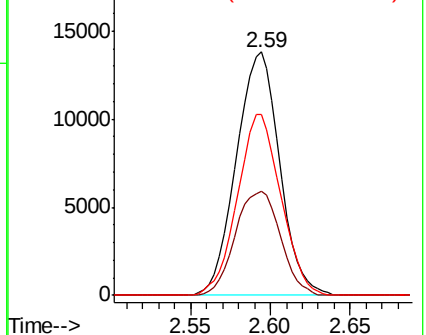
151 74.5 54.7 82.1



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: 4.669 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039758.D

Acq: 06 Aug 2020 15:38

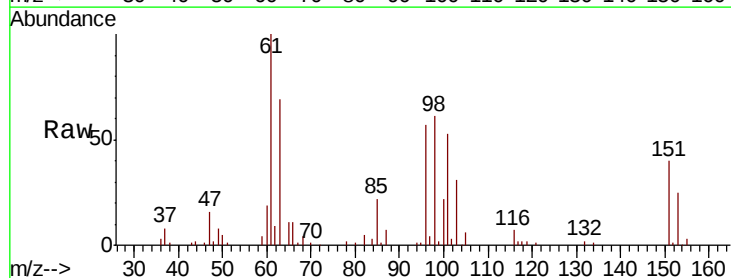
Tgt Ion: 96 Resp: 23436

Ion Ratio Lower Upper

96 100

61 176.8 121.7 225.9

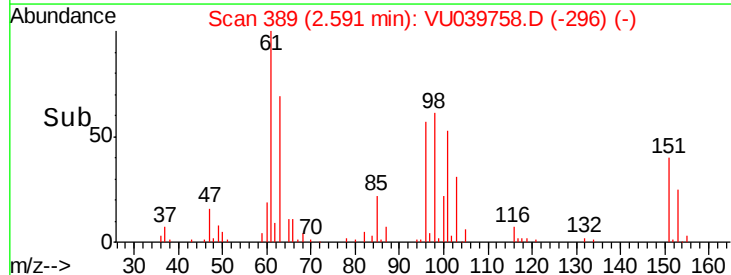
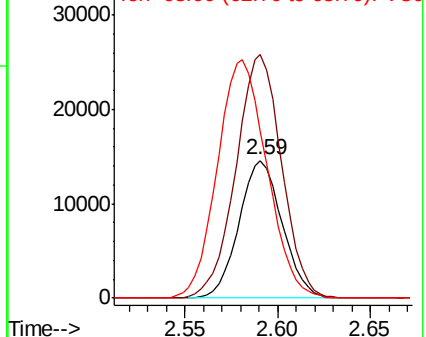
63 121.4 82.1 152.5

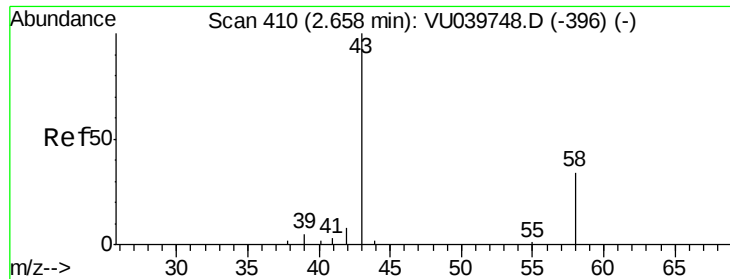


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 40.041 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU039758.D

Acq: 06 Aug 2020 15:38

Instrument :

MSVOA_U

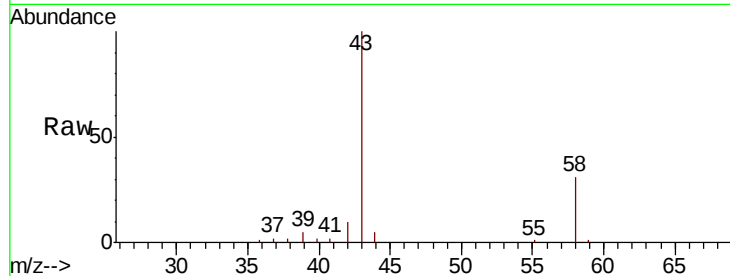
ClientSampleId :

Tot Ion: 43 Resp: 47175

Ion Ratio Lower Upper

43 100

58 32.1 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039748.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU039748.D (-396) (-)

2.66

15000

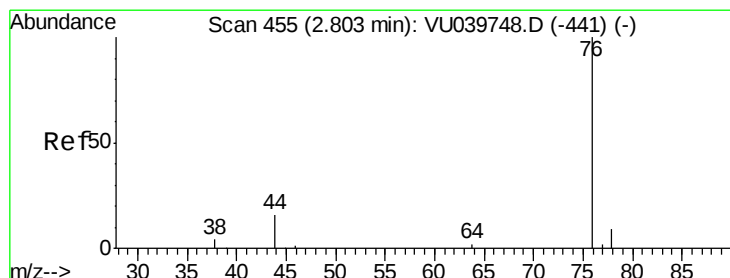
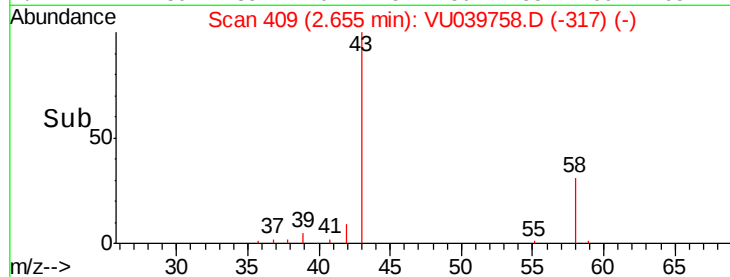
10000

5000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 4.664 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039758.D

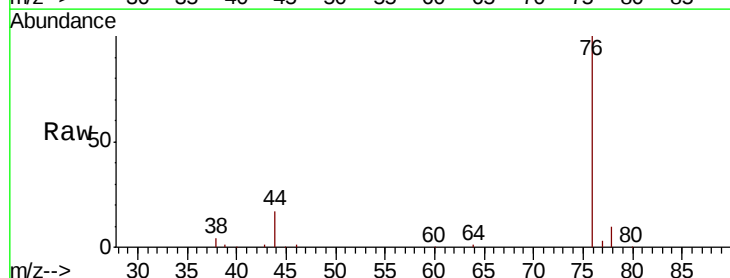
Acq: 06 Aug 2020 15:38

Tgt Ion: 76 Resp: 73203

Ion Ratio Lower Upper

76 100

78 9.6 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU039748.D (-441) (-)

Ion 78.00 (77.70 to 78.70): VU039748.D (-441) (-)

2.81

50000

40000

30000

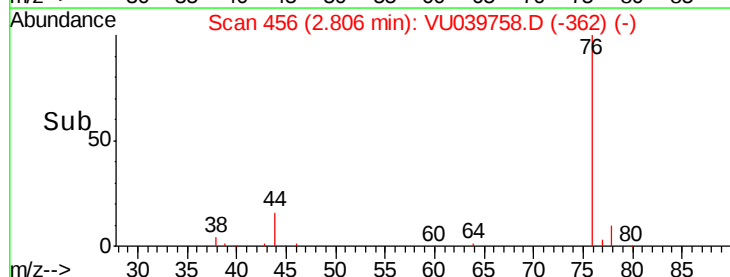
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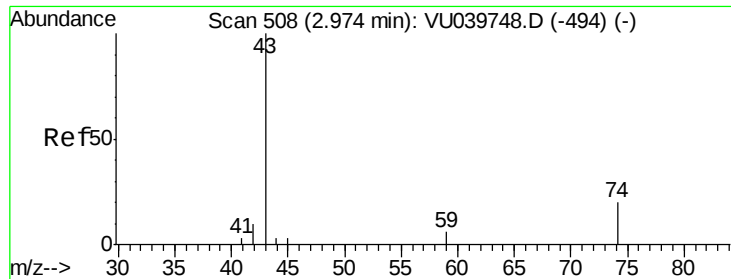
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0

Time-->

2.75 2.80 2.85

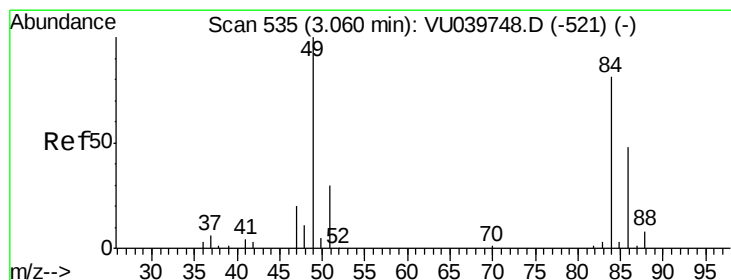
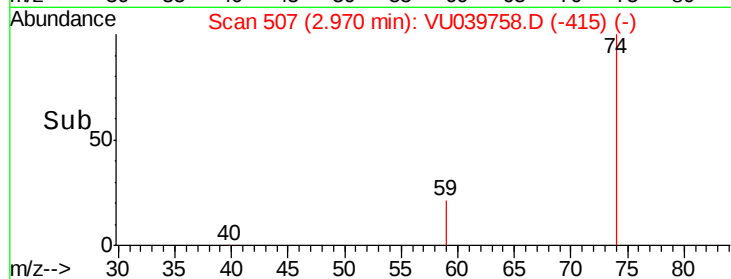
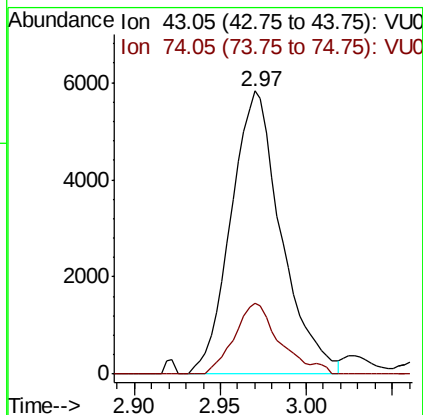
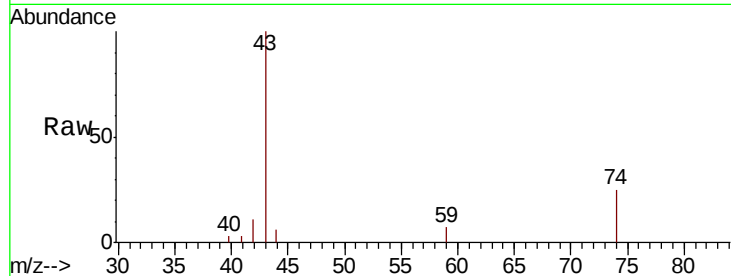




#15
Methvl Acetate
Concen: 4.071 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU039758.D
Acq: 06 Aug 2020 15:38

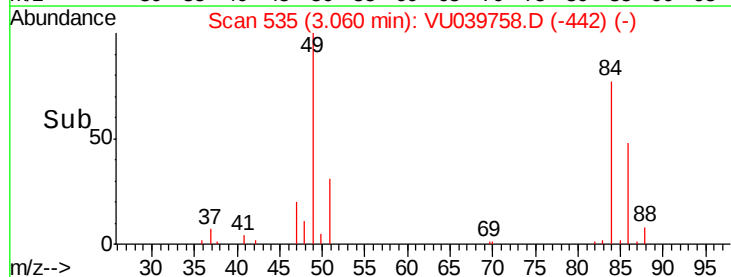
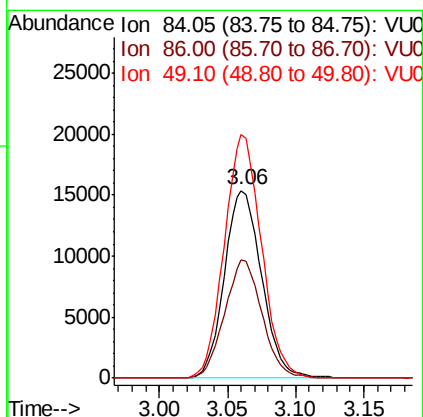
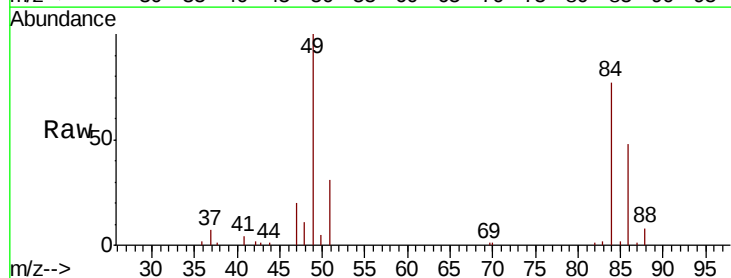
Instrument :
MSVOA_U
ClientSampleId :

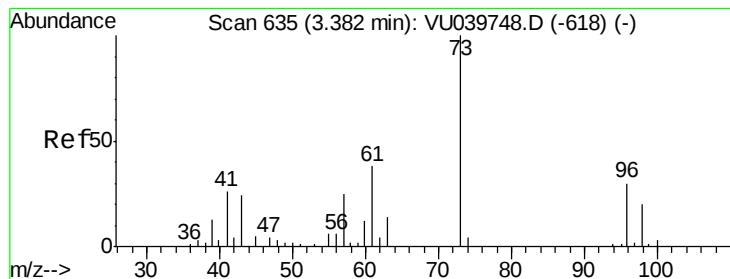
Tot Ion: 43 Resp: 11829
Ion Ratio Lower Upper
43 100
74 22.8 16.6 25.0



#16
Methylene chloride
Concen: 3.599 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039758.D
Acq: 06 Aug 2020 15:38

Tgt Ion: 84 Resp: 29124
Ion Ratio Lower Upper
84 100
86 62.9 43.9 81.5
49 129.8 94.4 175.4



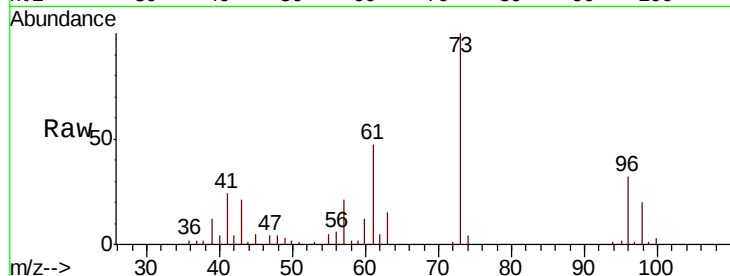


#17

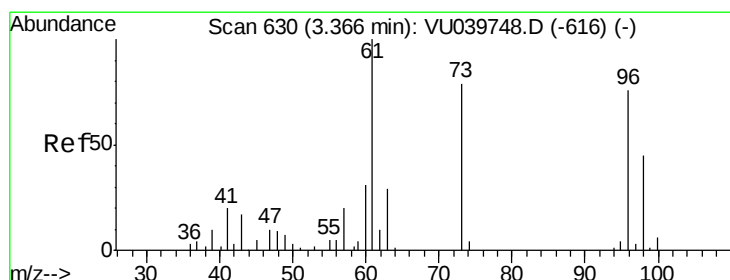
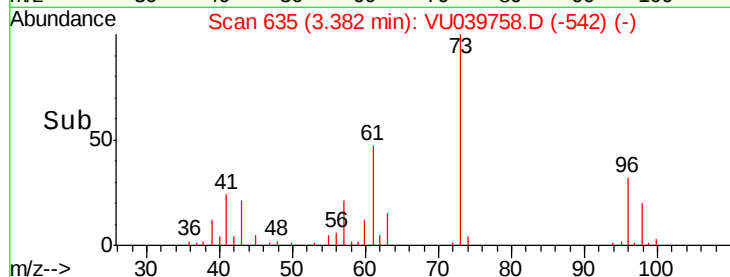
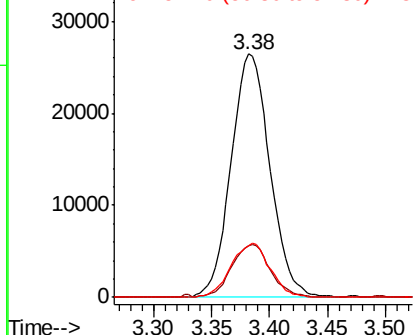
Methvl tert-butvl Ether
 Concen: 4.623 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VU039758.D
 Acq: 06 Aug 2020 15:38

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 61620
 Ion Ratio Lower Upper
 73 100
 43 21.7 18.2 27.4
 57 22.1 17.8 26.8



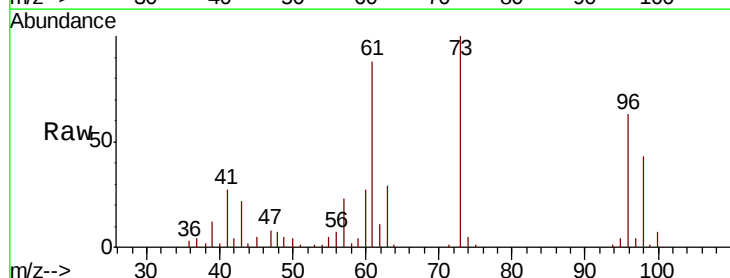
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



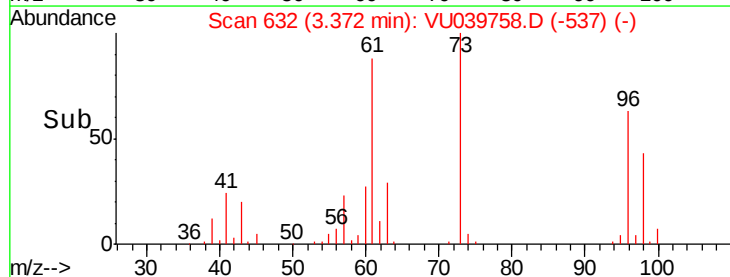
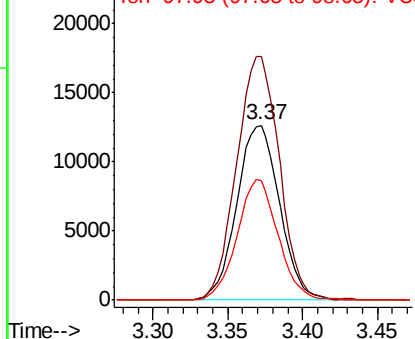
#18

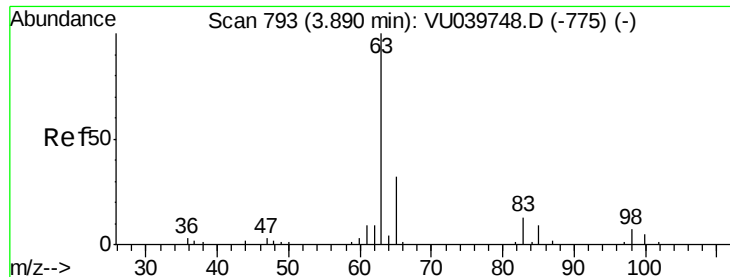
trans-1,2-Dichloroethene
 Concen: 4.506 ug/L
 RT: 3.37 min Scan# 632
 Delta R.T. 0.01 min
 Lab File: VU039758.D
 Acq: 06 Aug 2020 15:38

Tgt Ion: 96 Resp: 25179
 Ion Ratio Lower Upper
 96 100
 61 139.3 96.5 179.1
 98 68.6 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

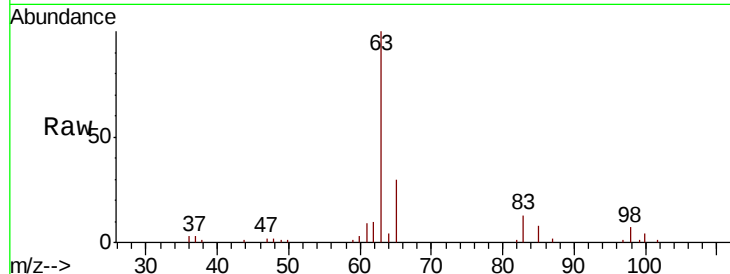




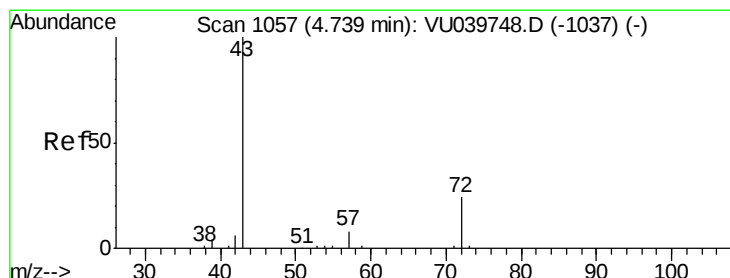
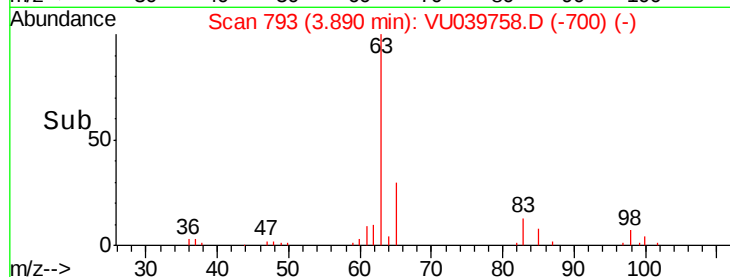
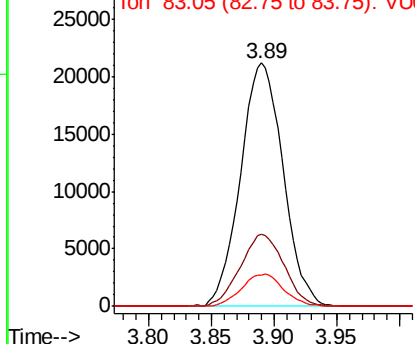
#19
 1,1-Dichloroethane
 Concen: 4.831 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU039758.D
 Acq: 06 Aug 2020 15:38

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 49838
 Ion Ratio Lower Upper
 63 100
 65 29.7 22.0 41.0
 83 12.9 10.9 20.2

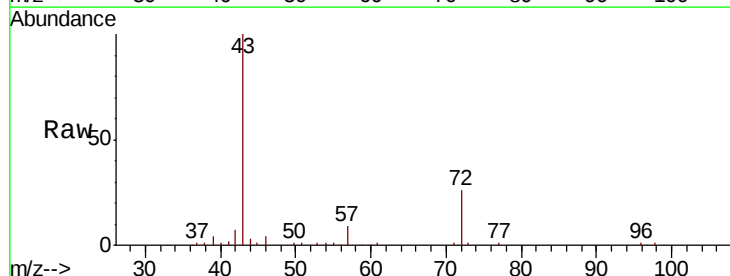


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

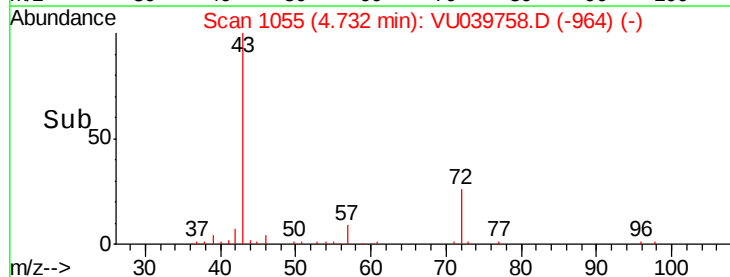
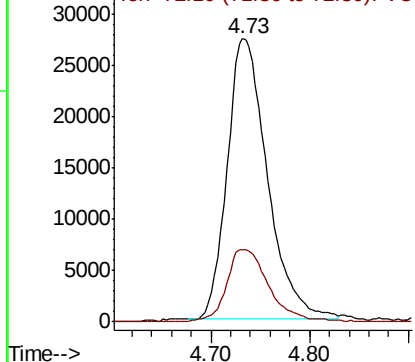


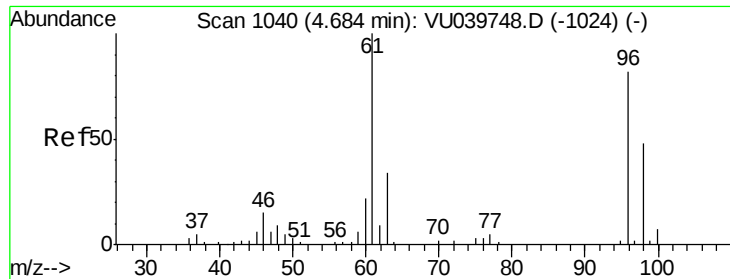
#21
 2-Butanone
 Concen: 42.001 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VU039758.D
 Acq: 06 Aug 2020 15:38

Tgt Ion: 43 Resp: 77981
 Ion Ratio Lower Upper
 43 100
 72 27.0 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: 4.644 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039758.D

Acq: 06 Aug 2020 15:38

Instrument :
MSVOA_U
ClientSampleId :

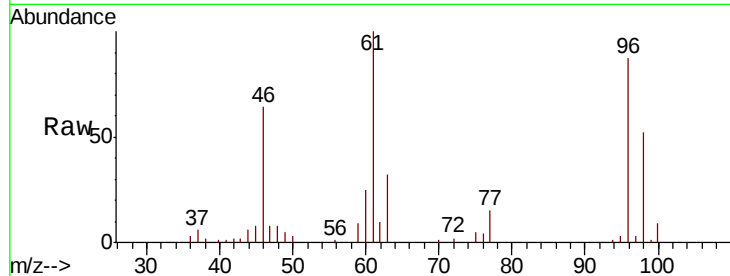
Tot Ion: 96 Resp: 28226

Ion Ratio Lower Upper

96 100

61 115.5 87.4 162.2

68 0.0 0.0 0.0

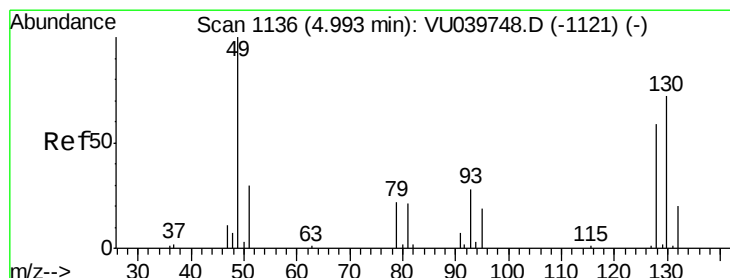
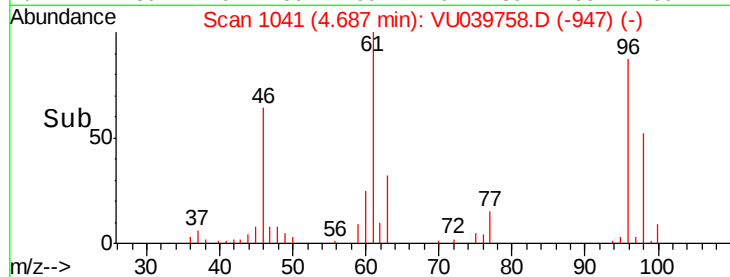
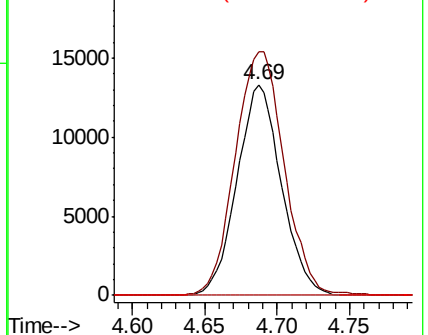


Abundance

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: 4.564 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU039758.D

Acq: 06 Aug 2020 15:38

Tgt Ion:128 Resp: 13028

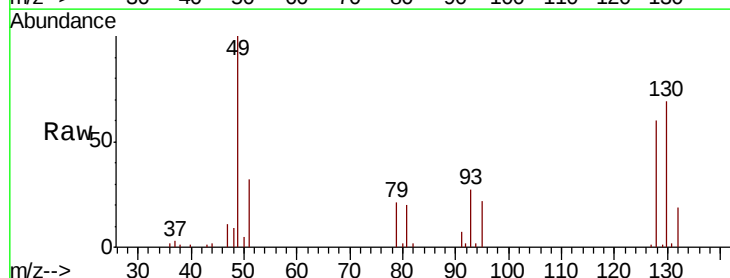
Ion Ratio Lower Upper

128 100

49 166.0 110.3 204.9

130 114.9 82.0 152.4

51 53.6 40.8 61.2



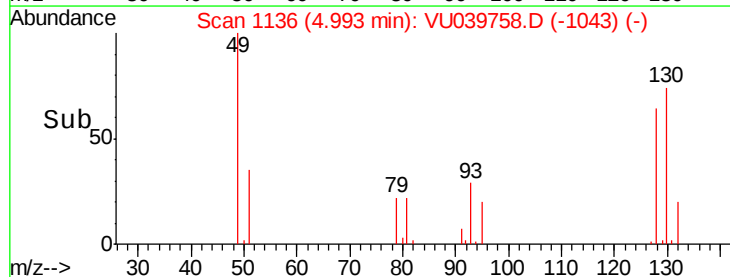
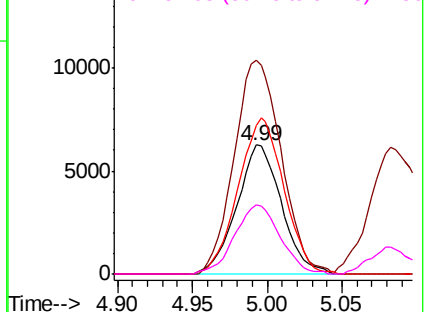
Abundance

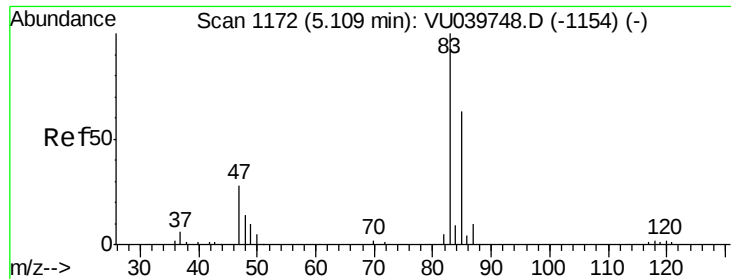
Ion 127.90 (127.60 to 128.60): V

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

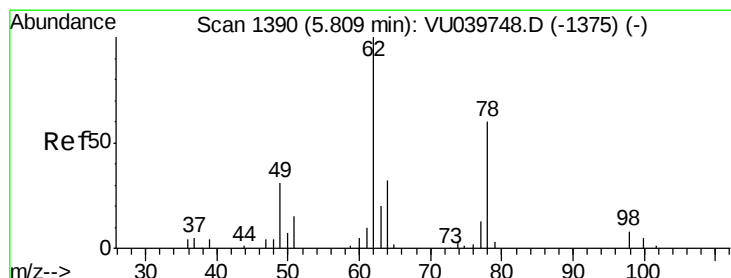
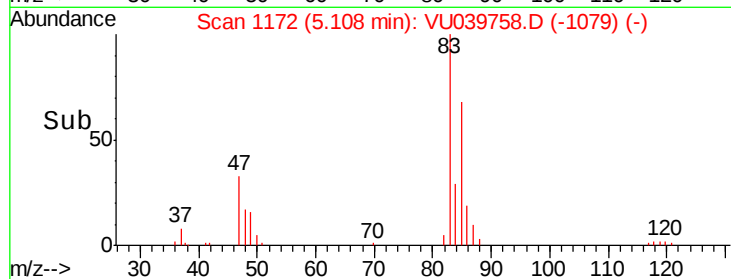
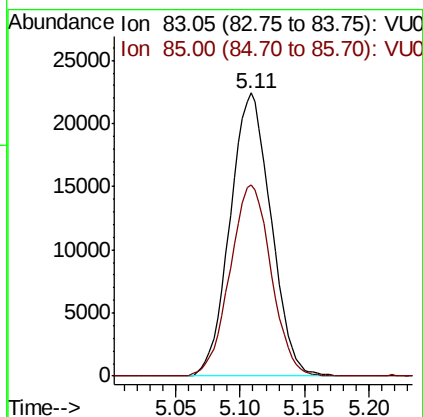
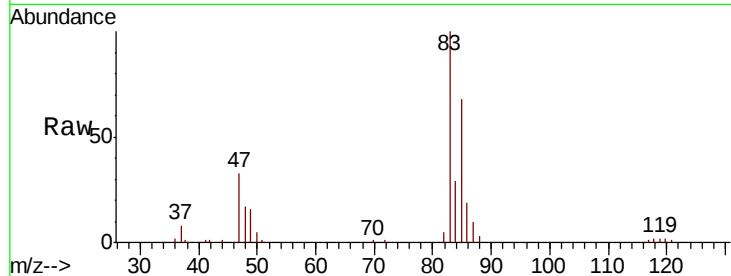




#25
Chloroform
Concen: 4.453 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039758.D
Acq: 06 Aug 2020 15:38

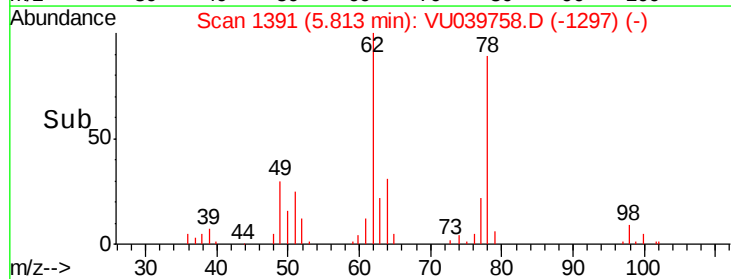
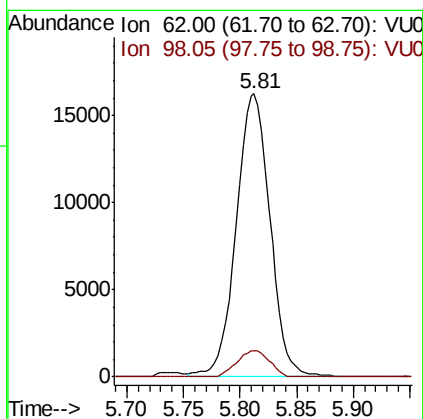
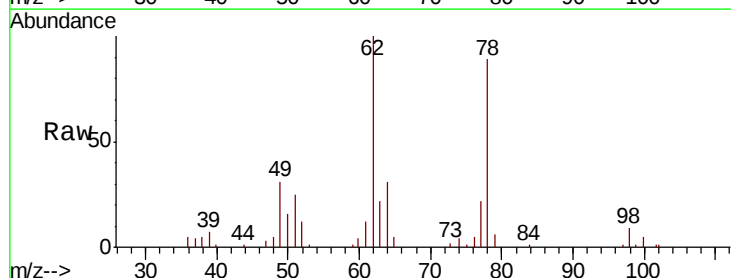
Instrument :
MSVOA_U
ClientSampled :

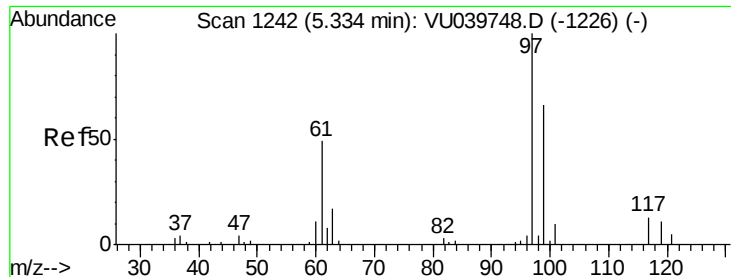
Tot Ion: 83 Resp: 49388
Ion Ratio Lower Upper
83 100
85 67.7 42.1 78.3



#27
1,2-Dichloroethane
Concen: 4.434 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039758.D
Acq: 06 Aug 2020 15:38

Tgt Ion: 62 Resp: 33887
Ion Ratio Lower Upper
62 100
98 9.2 7.3 10.9

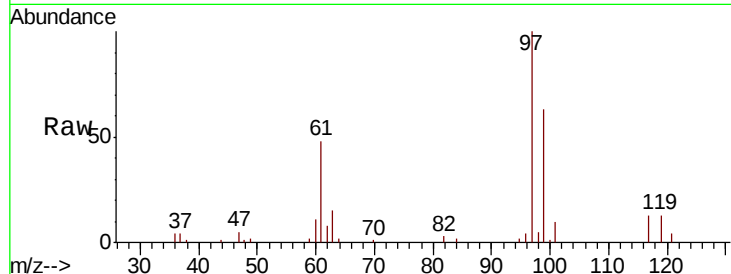




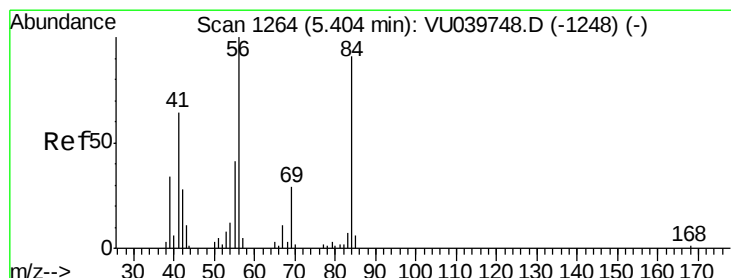
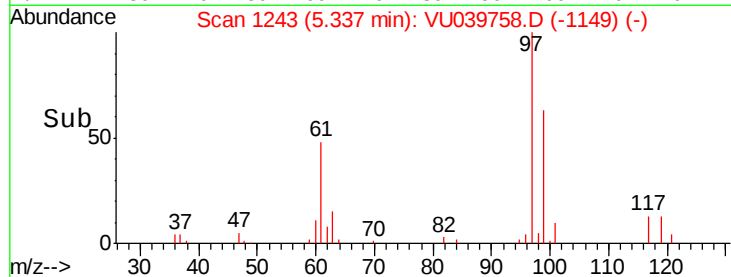
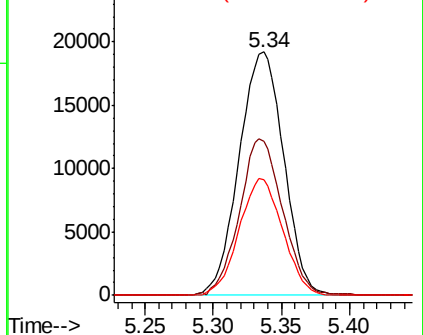
#29
 1,1,1-Trichloroethane
 Concen: 5.014 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU039758.D
 Acq: 06 Aug 2020 15:38

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 43606
 Ion Ratio Lower Upper
 97 100
 99 62.5 52.8 79.2
 61 46.7 40.5 60.7

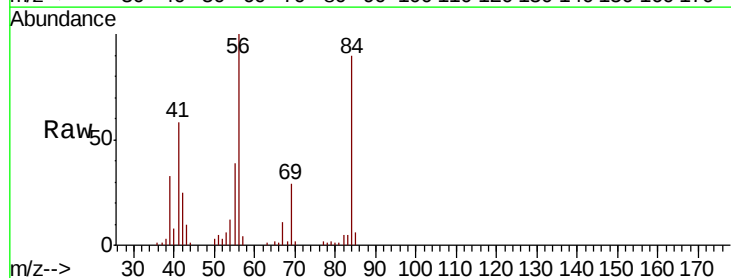


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

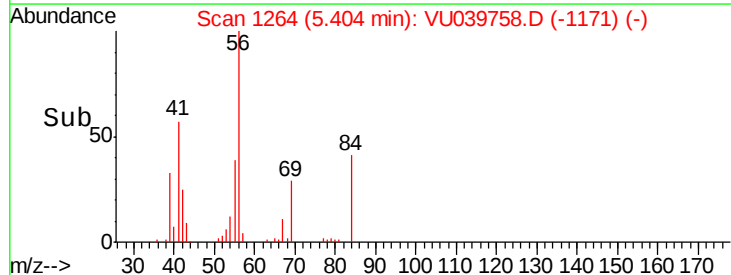
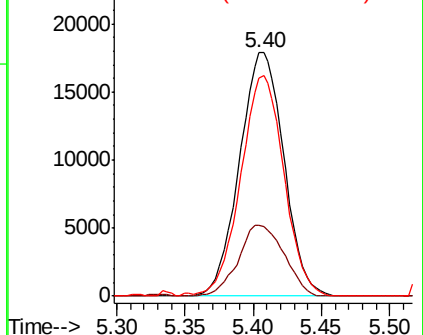


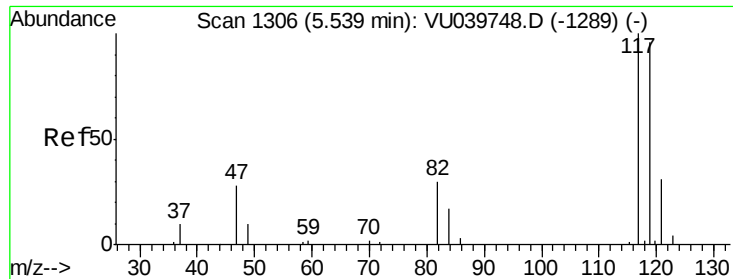
#30
 Cyclohexane
 Concen: 4.822 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU039758.D
 Acq: 06 Aug 2020 15:38

Tgt Ion: 56 Resp: 40355
 Ion Ratio Lower Upper
 56 100
 69 29.9 24.4 36.6
 84 88.5 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

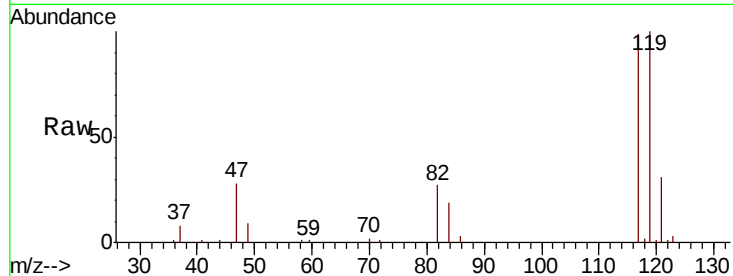




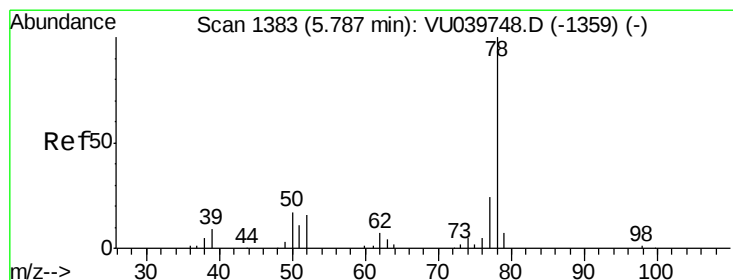
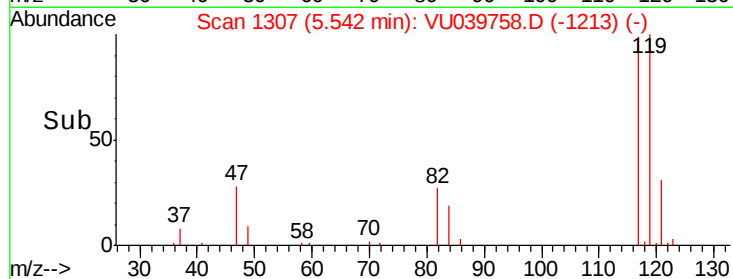
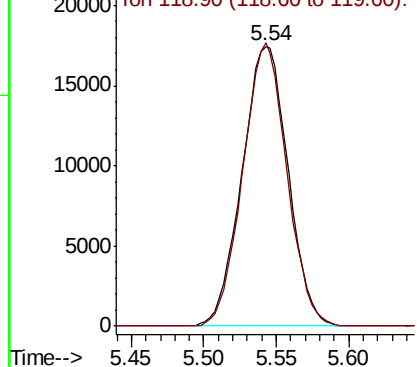
#31
Carbon tetrachloride
Concen: 4.828 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU039758.D
Acq: 06 Aug 2020 15:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 38533
Ion Ratio Lower Upper
117 100
119 96.7 75.5 113.3

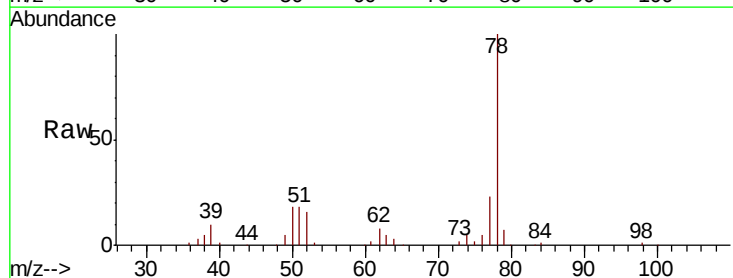


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

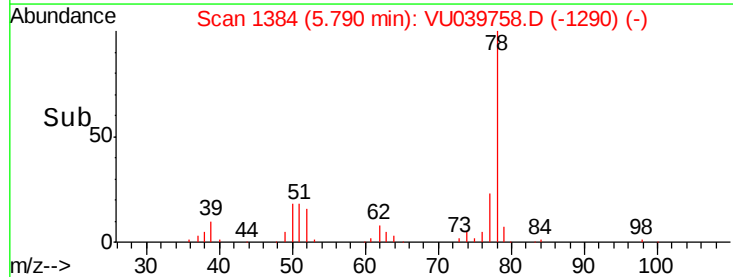
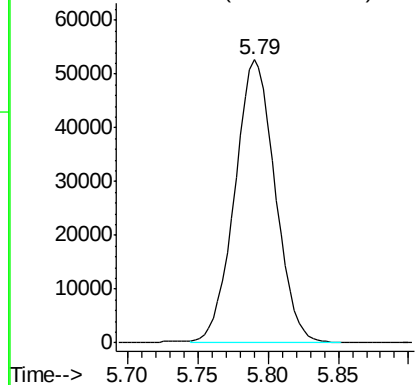


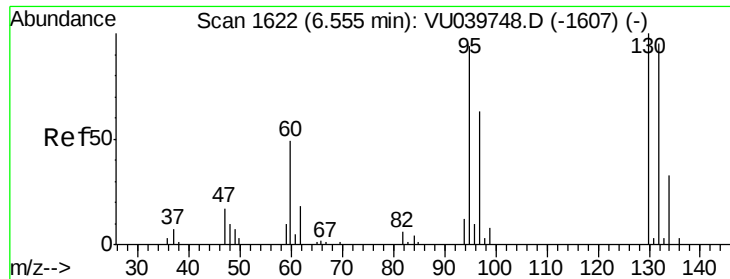
#33
Benzene
Concen: 4.927 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU039758.D
Acq: 06 Aug 2020 15:38

Tgt Ion: 78 Resp: 104677



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.840 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU039758.D

Acq: 06 Aug 2020 15:38

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 26702

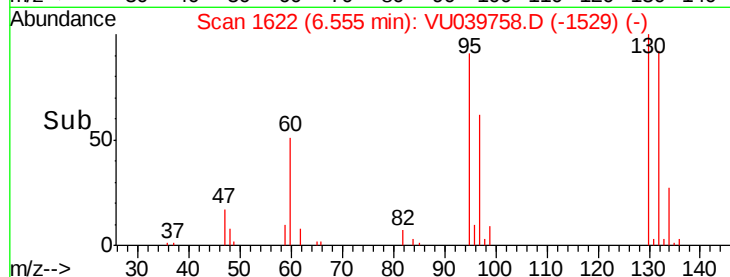
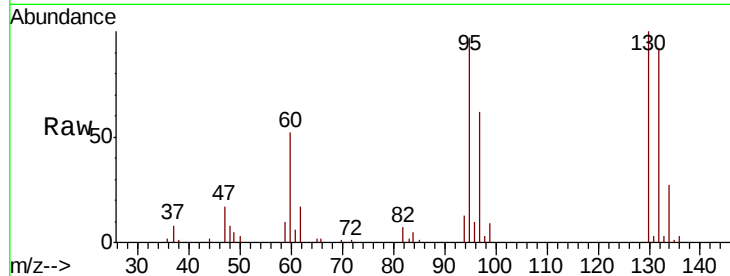
Ion Ratio Lower Upper

95 100

97 64.0 44.0 81.8

132 94.8 71.7 133.3

130 102.6 71.1 132.1

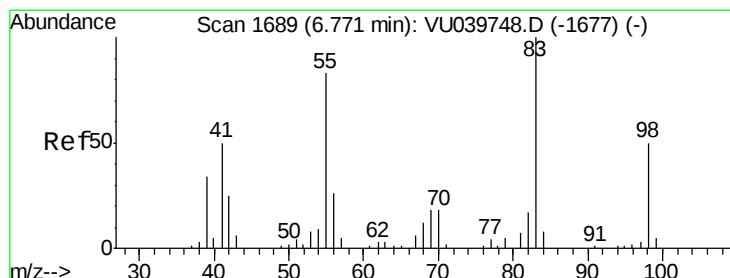
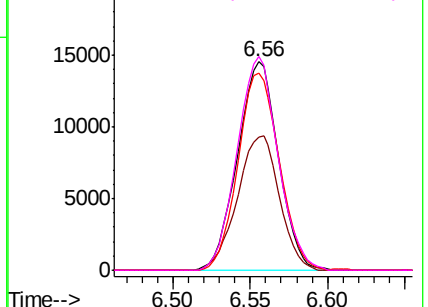


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.151 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU039758.D

Acq: 06 Aug 2020 15:38

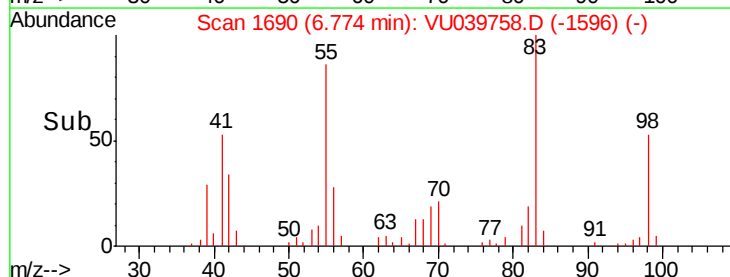
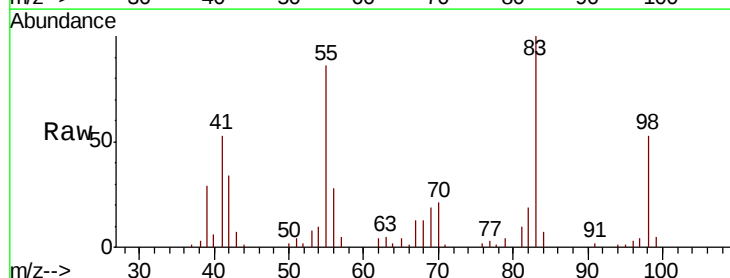
Tgt Ion: 83 Resp: 36559

Ion Ratio Lower Upper

83 100

55 79.8 59.4 89.0

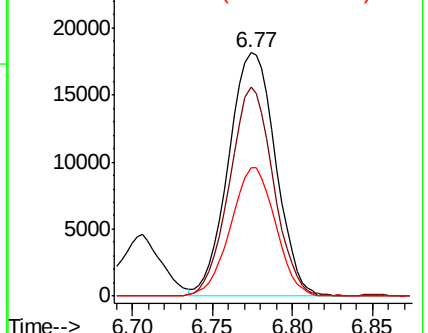
98 50.1 39.0 58.4

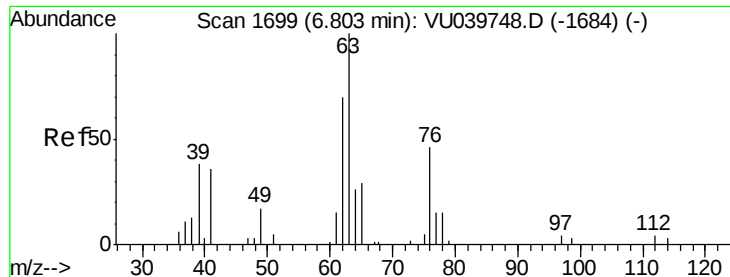


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

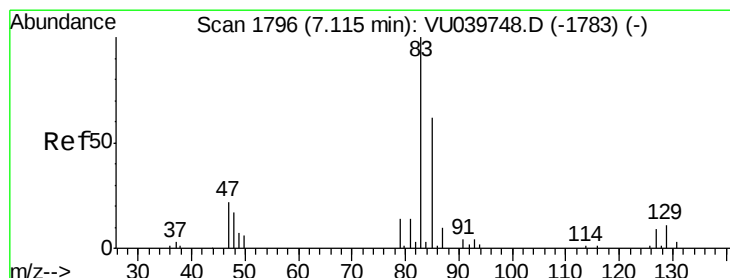
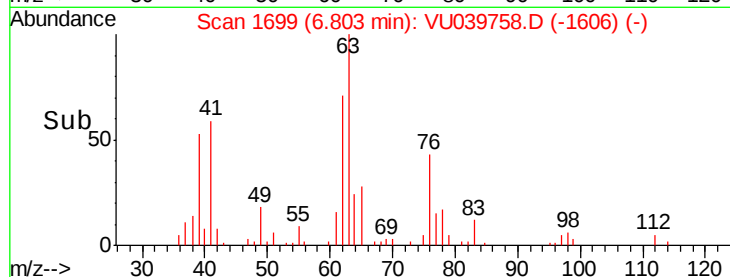
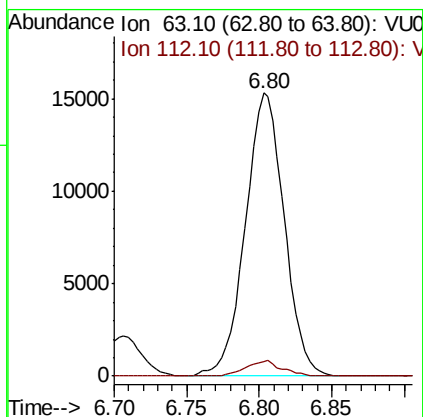
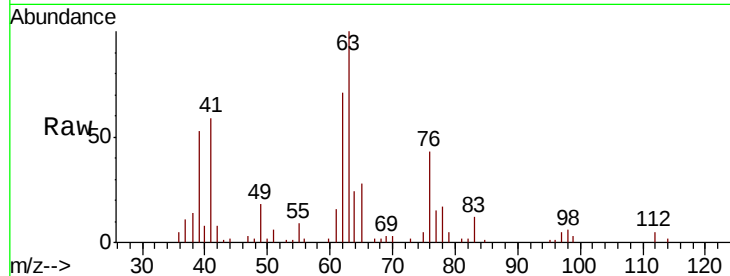




#37
 1,2-Dichloropropane
 Concen: 5.068 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU039758.D
 Acq: 06 Aug 2020 15:38

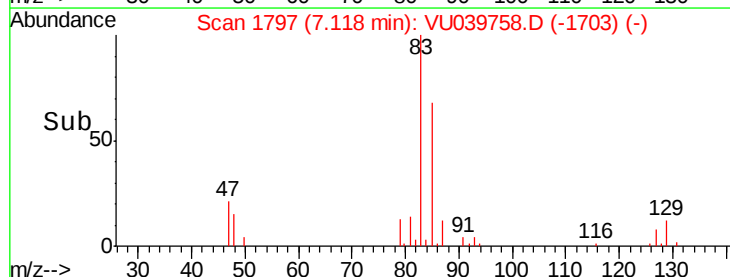
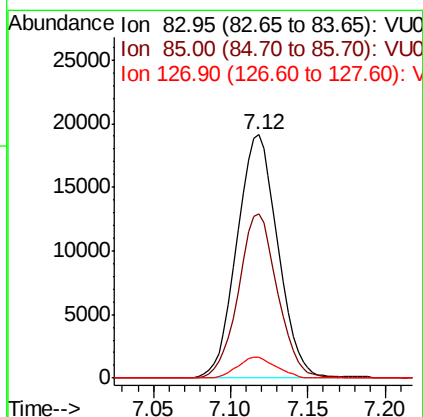
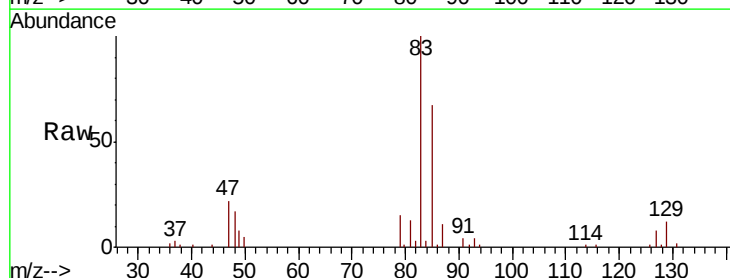
Instrument :
 MSVOA_U
 ClientSampled :

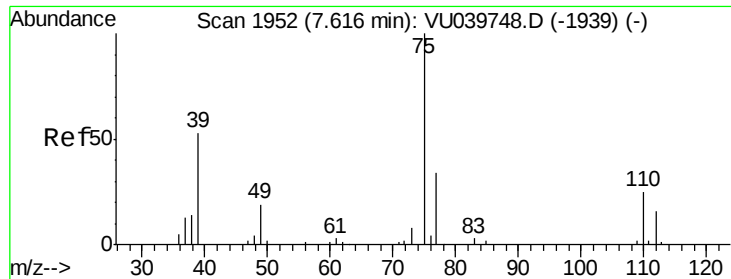
Tot Ion: 63 Resp: 28597
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.767 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039758.D
 Acq: 06 Aug 2020 15:38

Tgt Ion: 83 Resp: 35195
 Ion Ratio Lower Upper
 83 100
 85 67.4 45.3 84.1
 127 8.4 7.5 11.3

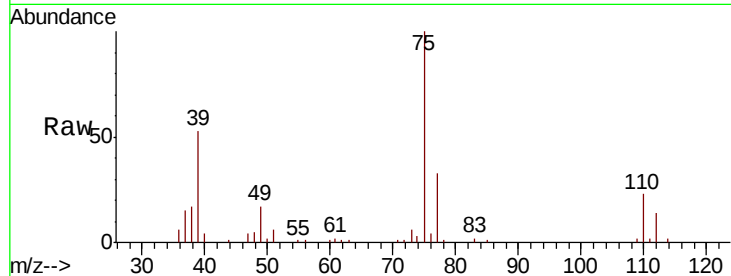




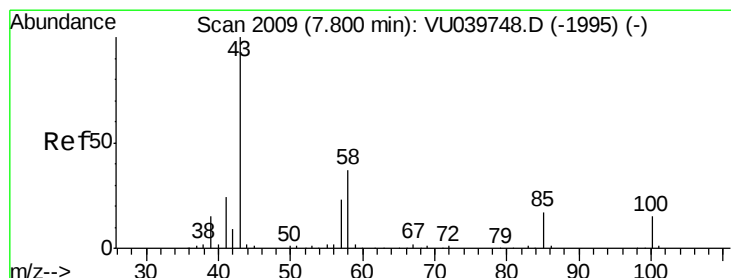
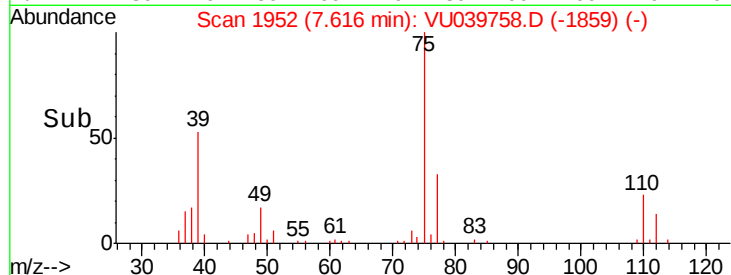
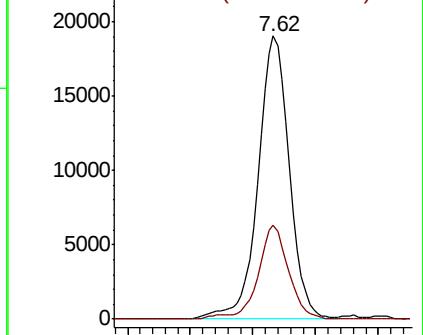
#39
 cis-1,3-Dichloropropene
 Concen: 4.272 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039758.D
 Acq: 06 Aug 2020 15:38

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 32875
 Ion Ratio Lower Upper
 75 100
 77 33.2 22.4 41.6

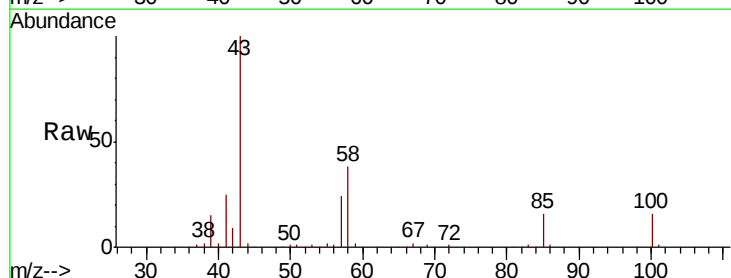


Abundance Ion 75.05 (74.75 to 75.75): VU039748.D (-1939) (-)
 Ion 77.05 (76.75 to 77.75): VU039748.D (-1939) (-)

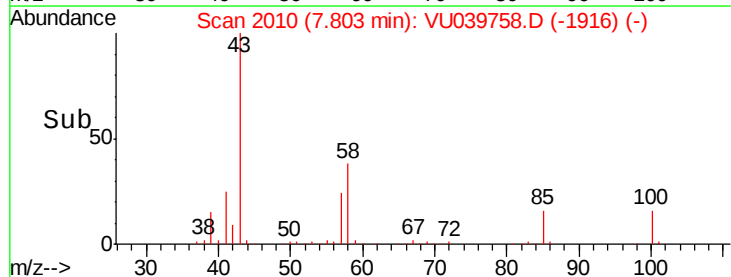
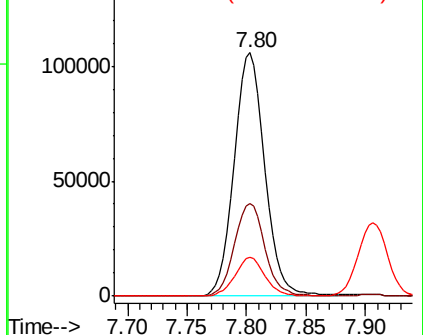


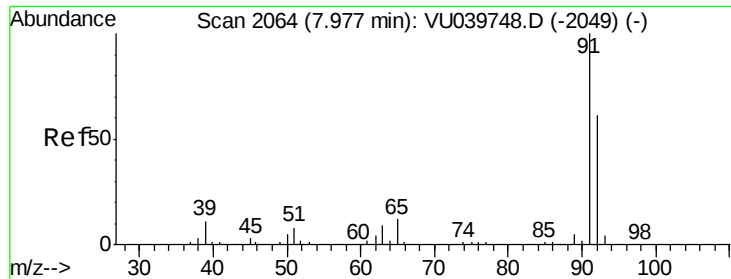
#40
 4-Methyl-2-pentanone
 Concen: 44.932 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039758.D
 Acq: 06 Aug 2020 15:38

Tgt Ion: 43 Resp: 189464
 Ion Ratio Lower Upper
 43 100
 58 37.9 29.4 44.2
 100 15.6 11.7 17.5



Abundance Ion 43.05 (42.75 to 43.75): VU039748.D (-1995) (-)
 Ion 58.05 (57.75 to 58.75): VU039748.D (-1995) (-)
 Ion 100.15 (99.85 to 100.85): VU039748.D (-1995) (-)





#42

Toluene

Concen: 4.847 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039758.D

Acq: 06 Aug 2020 15:38

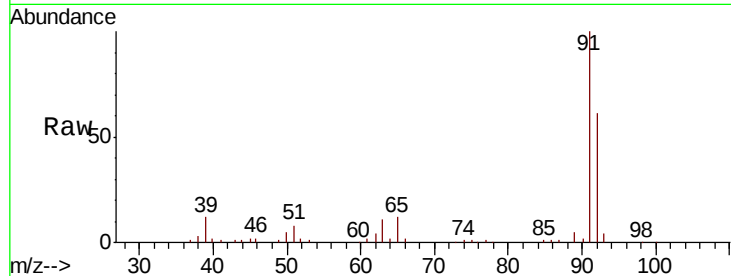
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 108209

Ion Ratio Lower Upper

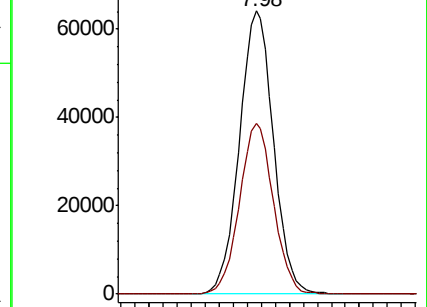
91 100

92 60.5 41.6 77.3

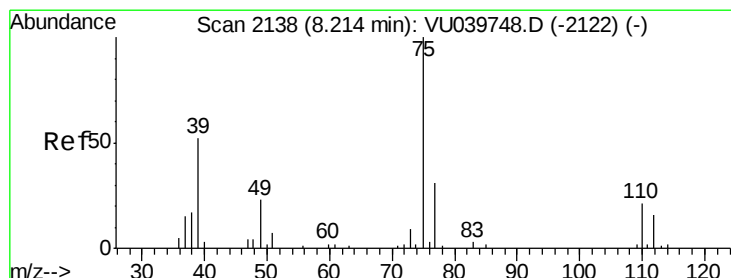
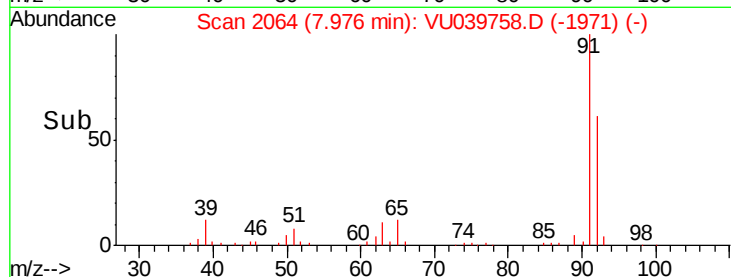


Abundance Ion 91.15 (90.85 to 91.85): VU039748.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU039748.D (-2049) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.002 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039758.D

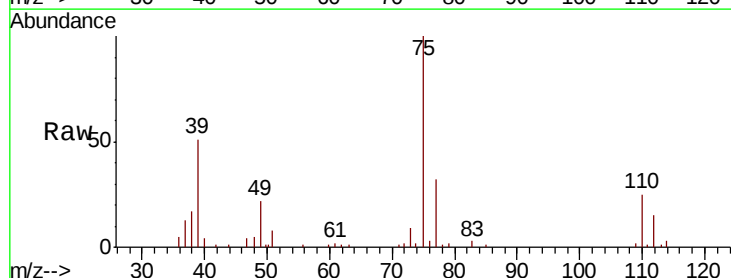
Acq: 06 Aug 2020 15:38

Tgt Ion: 75 Resp: 27748

Ion Ratio Lower Upper

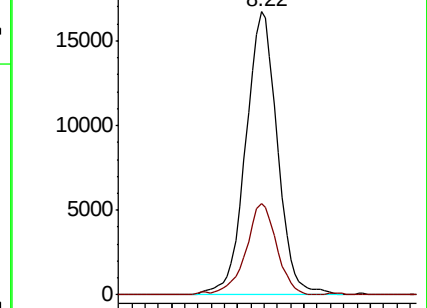
75 100

77 32.3 21.6 40.2

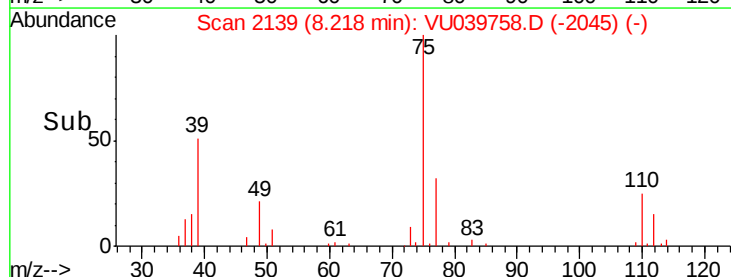


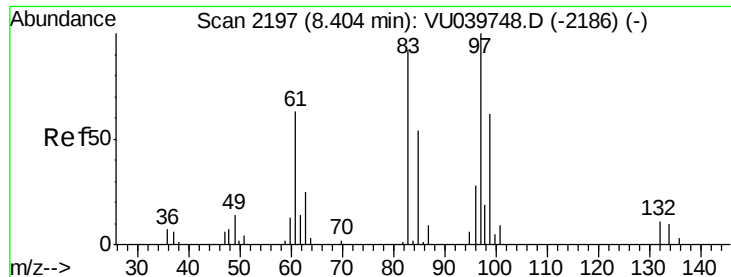
Abundance Ion 75.05 (74.75 to 75.75): VU039748.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU039748.D (-2122) (-)



Time-->

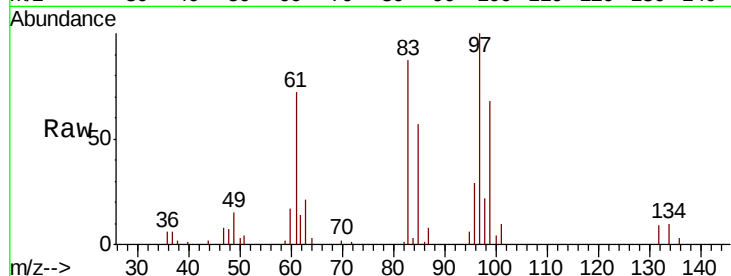




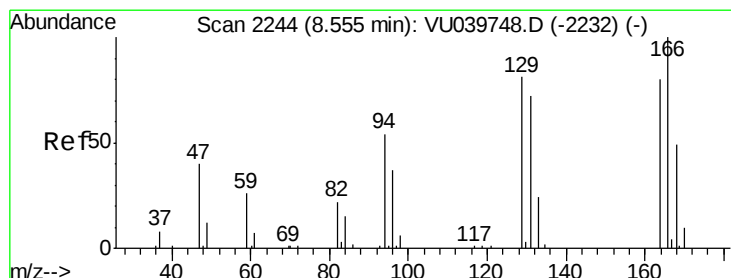
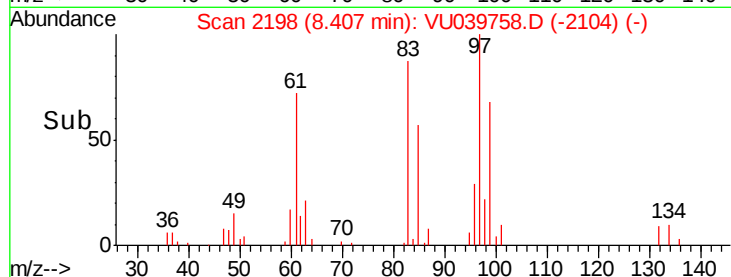
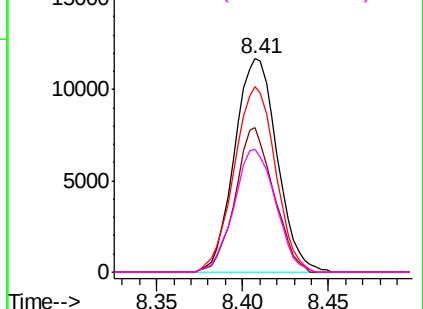
#45
 1,1,2-Trichloroethane
 Concen: 4.759 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU039758.D
 Acq: 06 Aug 2020 15:38

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	20199
Ion	Ratio	Lower	Upper
97	100		
99	67.6	42.0	78.0
83	87.1	55.2	102.4
85	57.5	37.0	68.6

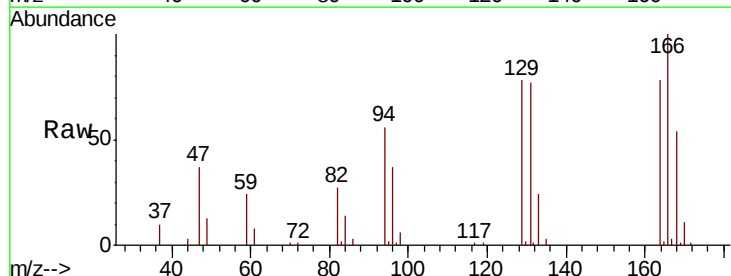


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

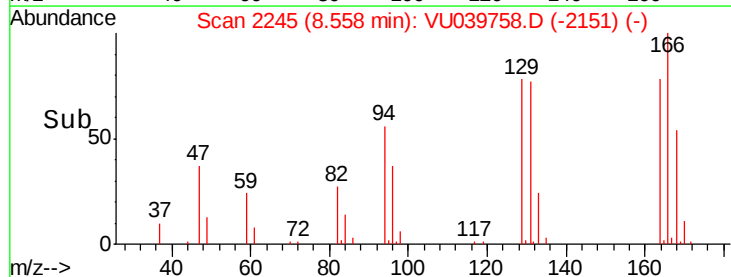
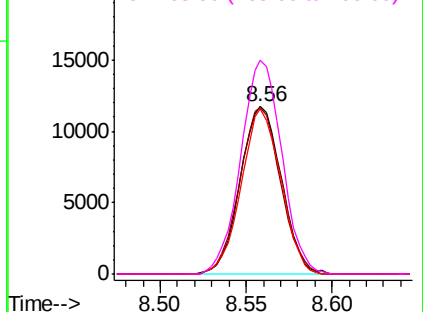


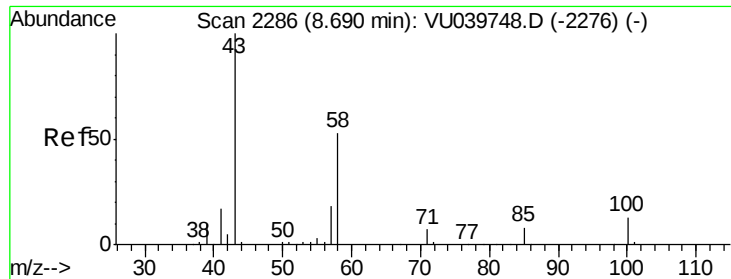
#47
 Tetrachloroethene
 Concen: 4.286 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039758.D
 Acq: 06 Aug 2020 15:38

Tgt Ion:	164	Resp:	19507
Ion	Ratio	Lower	Upper
164	100		
129	99.7	65.9	122.5
131	98.7	68.1	126.5
166	127.8	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

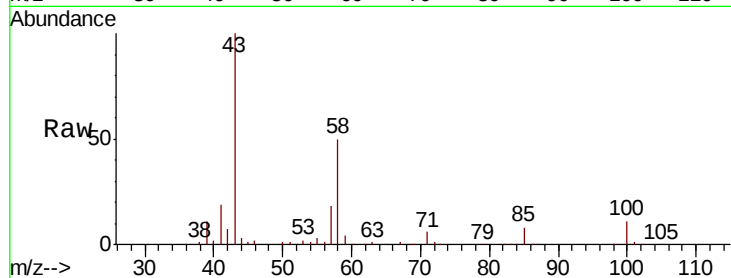




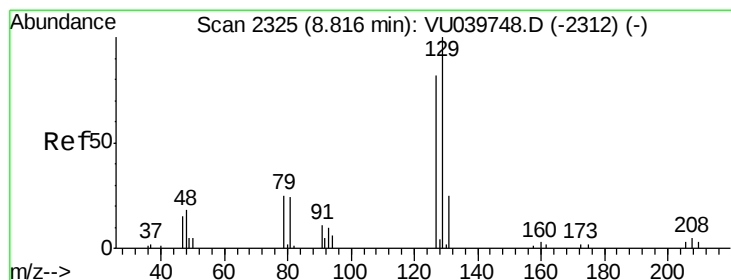
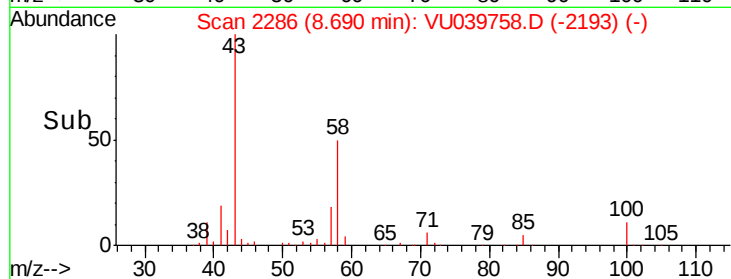
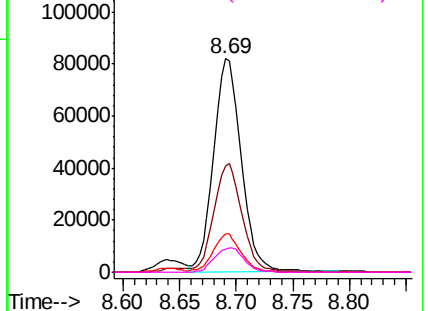
#48
2-Hexanone
Concen: 46.000 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039758.D
Acq: 06 Aug 2020 15:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 140069
Ion Ratio Lower Upper
43 100
58 50.7 41.8 62.8
57 18.0 14.2 21.4
100 12.2 9.4 14.2

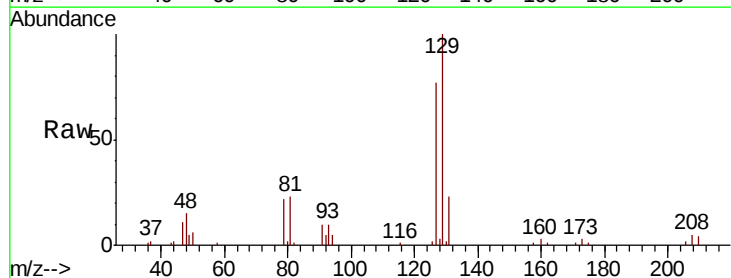


Abundance Ion 43.05 (42.75 to 43.75): VU039748.D (-2276) (-)
Ion 58.05 (57.75 to 58.75): VU039748.D (-2276) (-)
Ion 57.20 (56.90 to 57.90): VU039748.D (-2276) (-)
Ion 100.15 (99.85 to 100.85): VU039748.D (-2276) (-)

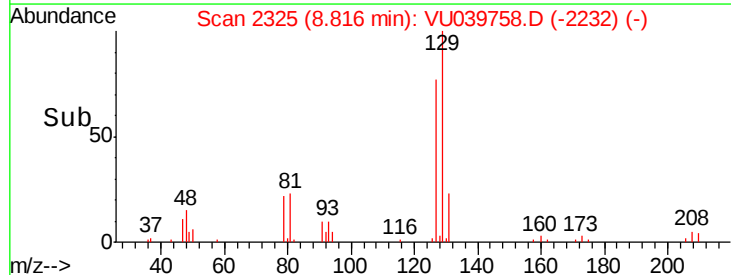
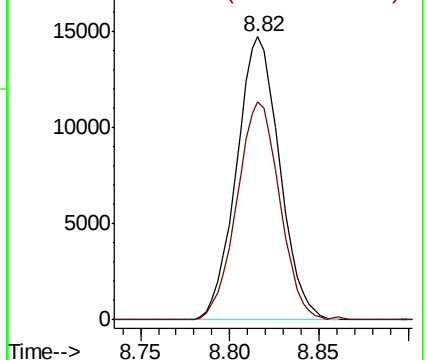


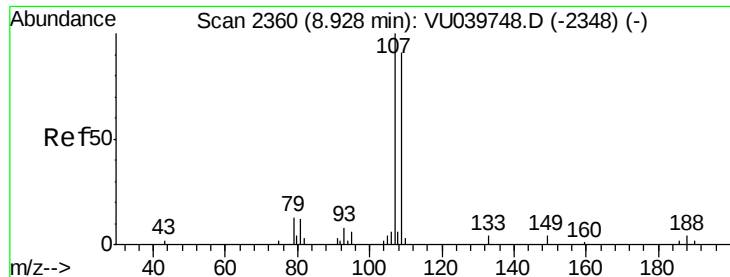
#49
Dibromochloromethane
Concen: 4.753 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039758.D
Acq: 06 Aug 2020 15:38

Tgt Ion: 129 Resp: 24757
Ion Ratio Lower Upper
129 100
127 77.1 53.0 98.4



Abundance Ion 128.95 (128.65 to 129.65): VU039748.D (-2312) (-)
Ion 126.90 (126.60 to 127.60): VU039748.D (-2312) (-)

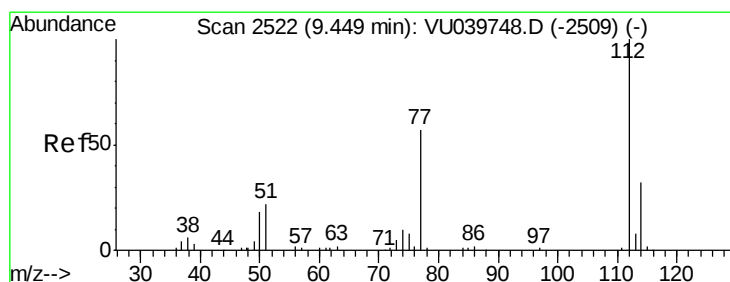
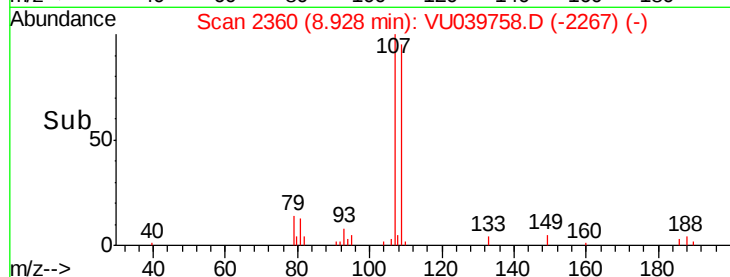
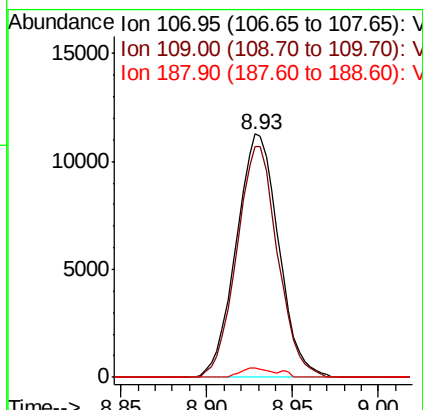
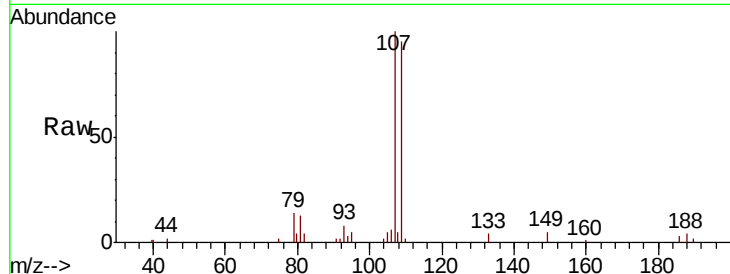




#50
 1,2-Dibromoethane
 Concen: 4.644 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU039758.D
 Acq: 06 Aug 2020 15:38

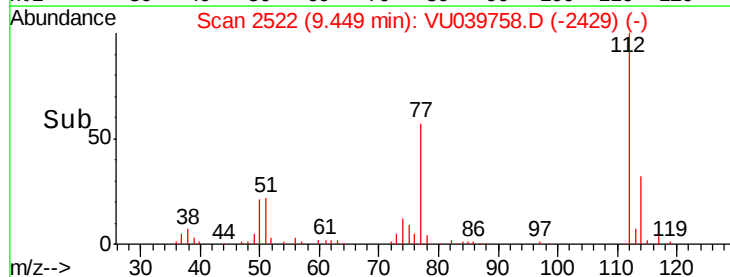
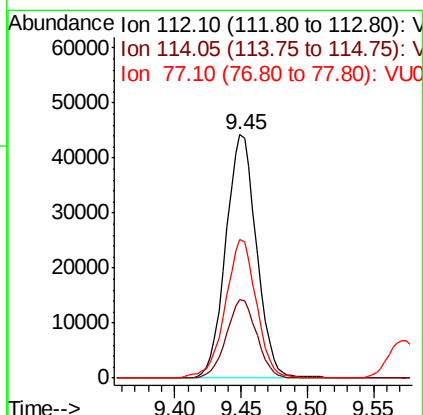
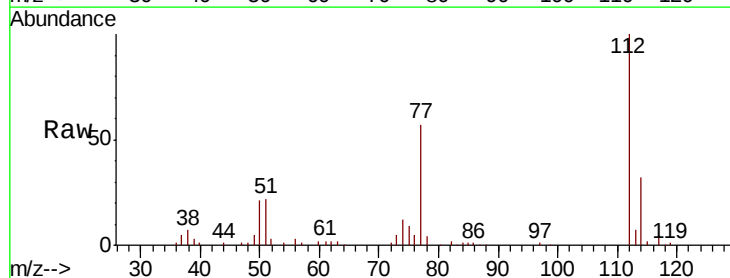
Instrument :
 MSVOA_U
 ClientSampleId :

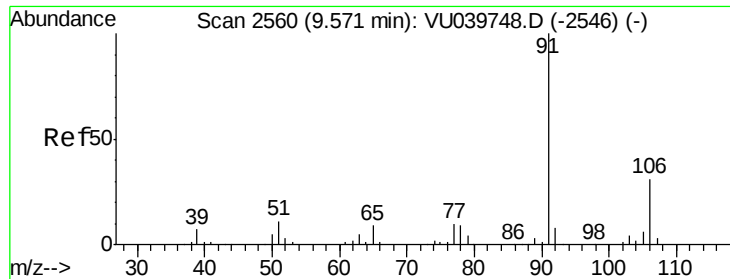
Tot Ion:107 Resp: 19330
 Ion Ratio Lower Upper
 107 100
 109 95.0 63.9 118.7
 188 4.0 2.9 4.3



#51
 Chlorobenzene
 Concen: 4.760 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039758.D
 Acq: 06 Aug 2020 15:38

Tgt Ion:112 Resp: 71409
 Ion Ratio Lower Upper
 112 100
 114 32.3 23.2 43.0
 77 57.1 47.8 71.6





#52

Ethylbenzene

Concen: 4.590 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039758.D

Acq: 06 Aug 2020 15:38

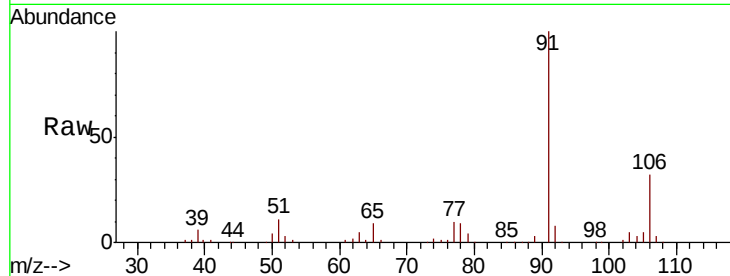
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 114691

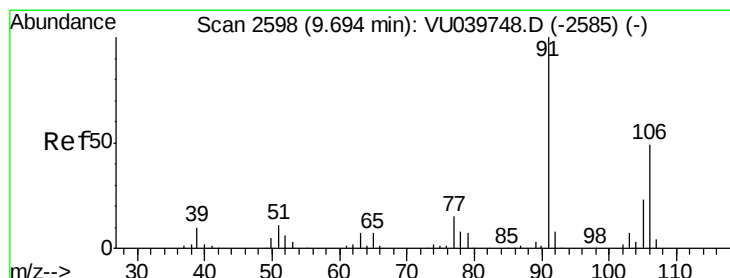
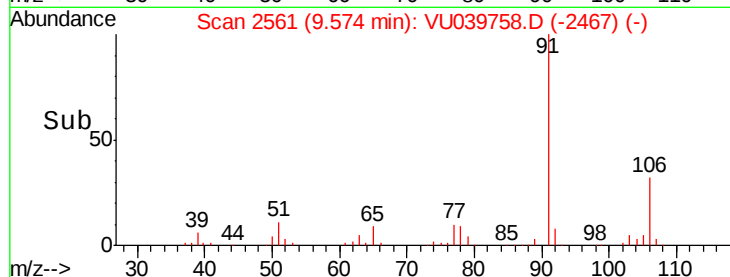
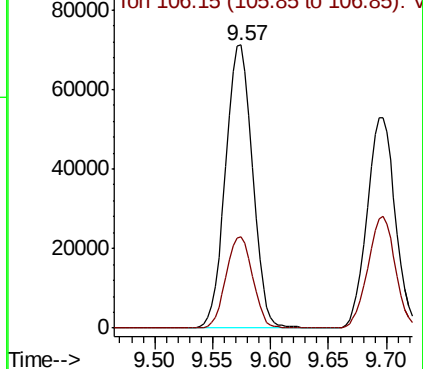
Ion Ratio Lower Upper

91 100

106 32.2 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU039748.D (-2546) (-)



#53

m,p-Xylene

Concen: 4.838 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039758.D

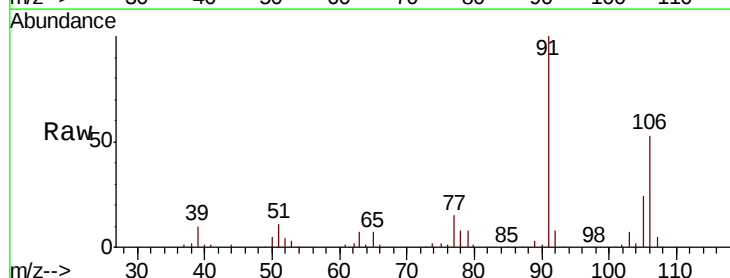
Acq: 06 Aug 2020 15:38

Tgt Ion: 106 Resp: 46040

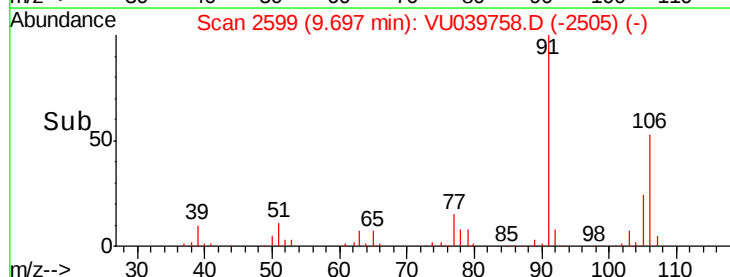
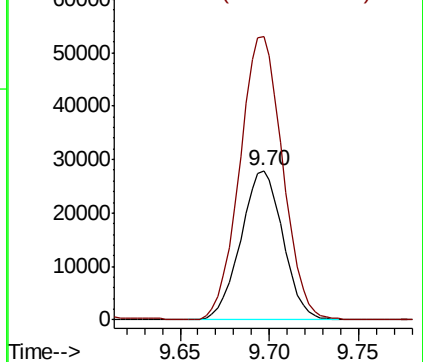
Ion Ratio Lower Upper

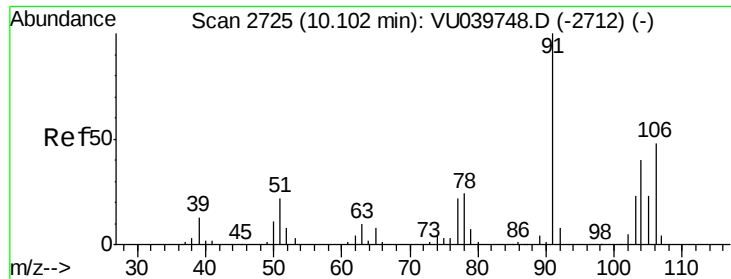
106 100

91 189.3 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): VU039748.D (-2585) (-)

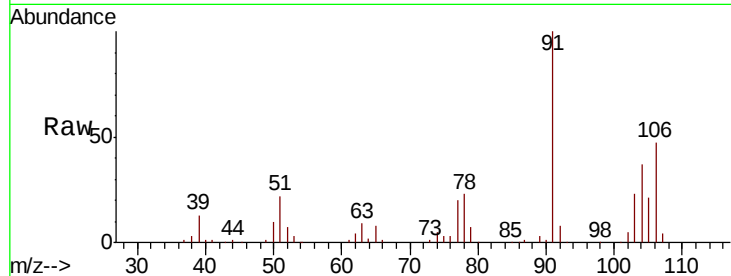




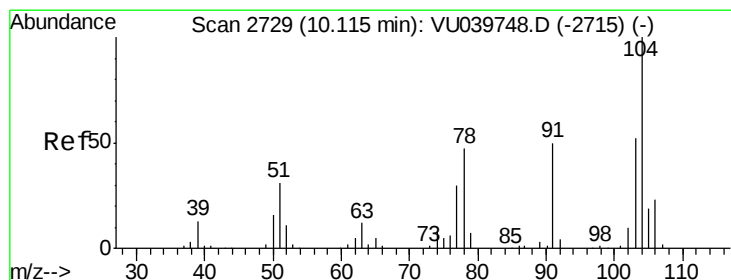
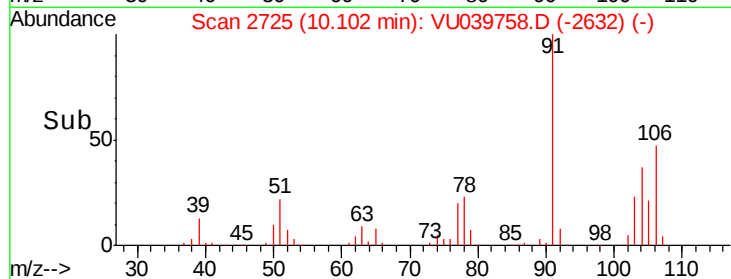
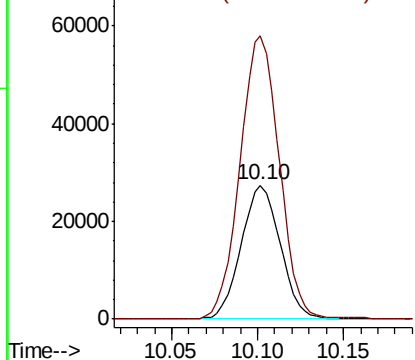
#54
o-Xylene
Concen: 4.638 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039758.D
Acq: 06 Aug 2020 15:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 43213
Ion Ratio Lower Upper
106 100
91 211.4 140.8 261.6

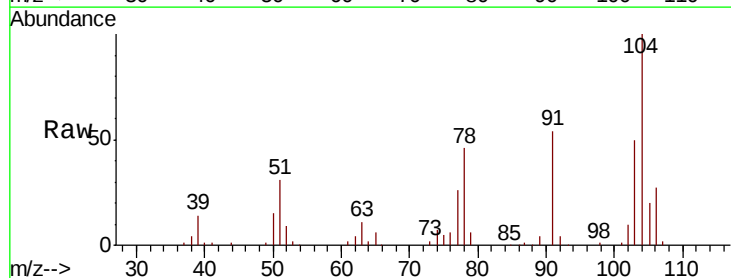


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

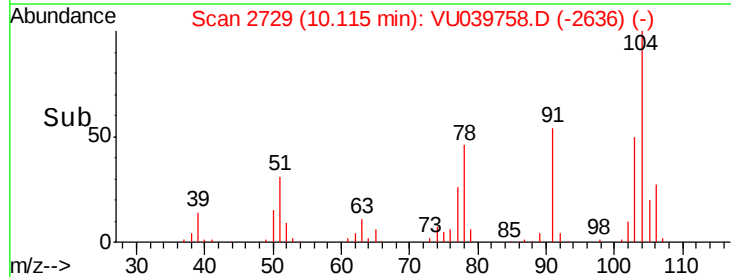
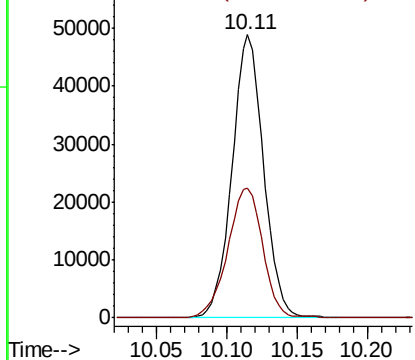


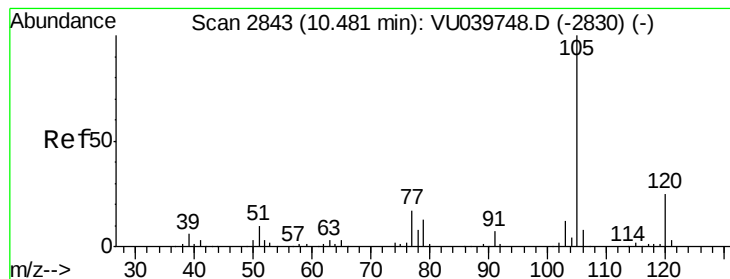
#55
Styrene
Concen: 4.881 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039758.D
Acq: 06 Aug 2020 15:38

Tgt Ion:104 Resp: 76581
Ion Ratio Lower Upper
104 100
78 46.1 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: 4.549 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039758.D

Acq: 06 Aug 2020 15:38

Instrument :

MSVOA_U

ClientSampleId :

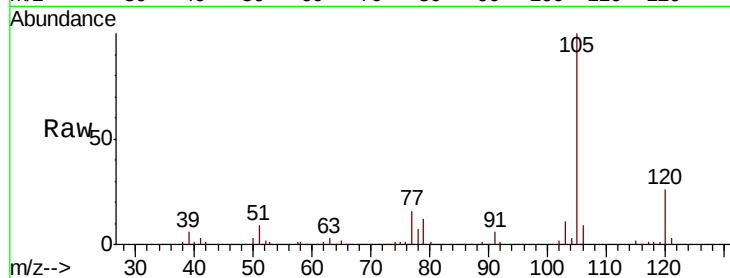
Tot Ion:105 Resp: 113283

Ion Ratio Lower Upper

105 100

120 27.6 21.0 31.6

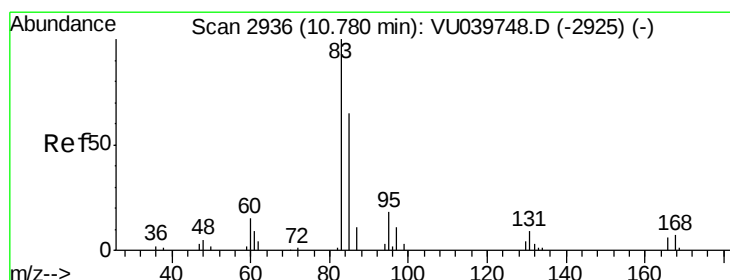
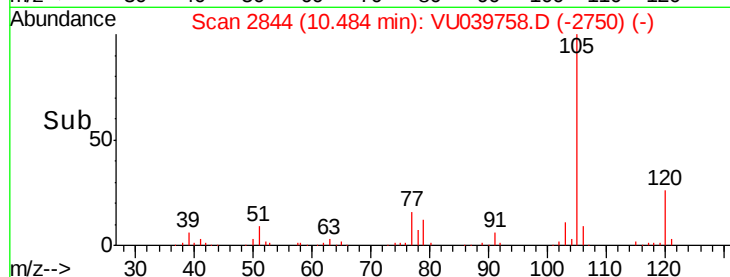
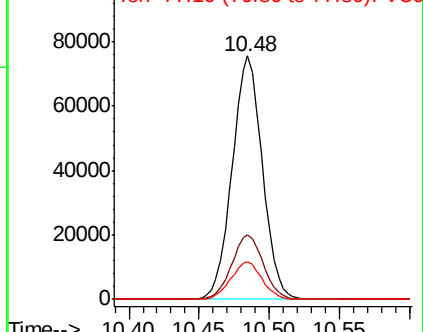
77 16.0 12.9 19.3



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: 4.324 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039758.D

Acq: 06 Aug 2020 15:38

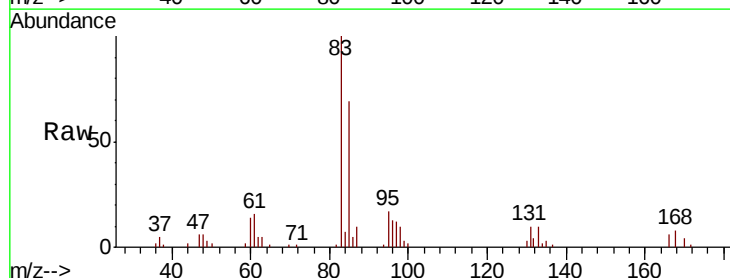
Tgt Ion: 83 Resp: 25249

Ion Ratio Lower Upper

83 100

85 68.6 44.4 82.4

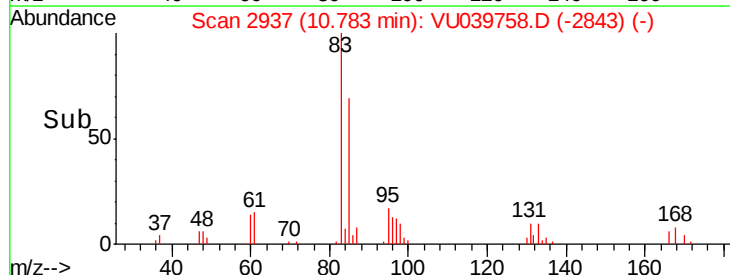
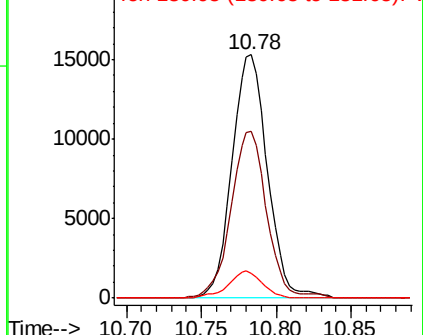
131 10.2 7.4 11.0

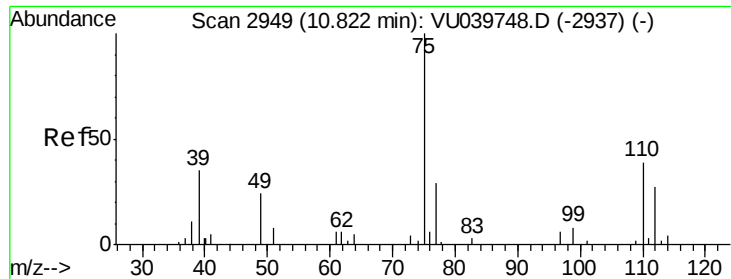


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.425 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039758.D

Acq: 06 Aug 2020 15:38

Instrument :

MSVOA_U

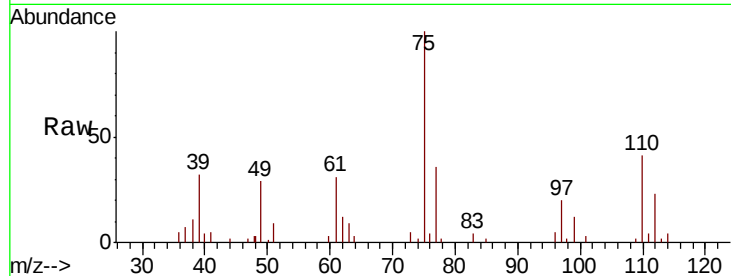
ClientSampleId :

Tot Ion: 75 Resp: 18009

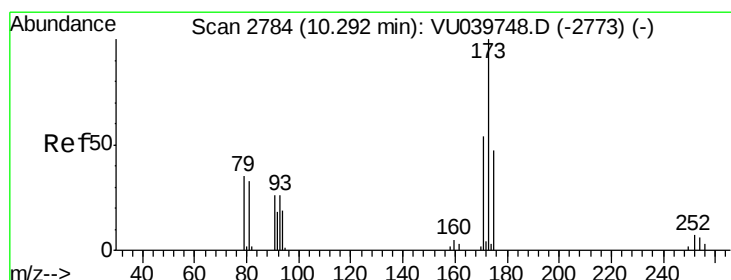
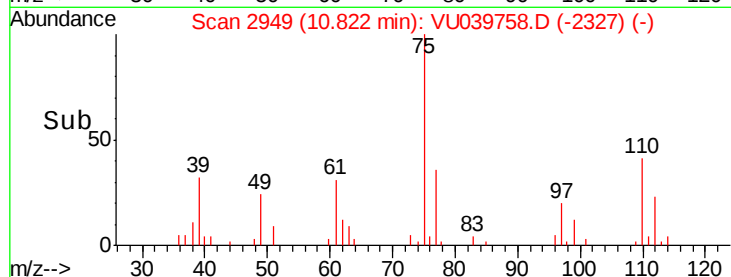
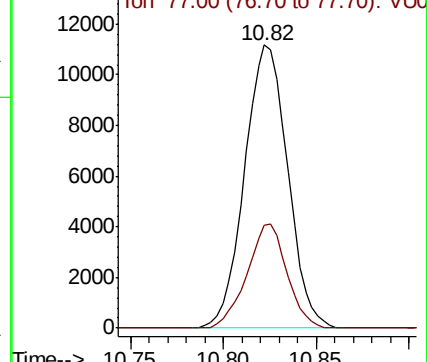
Ion Ratio Lower Upper

75 100

77 34.0 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU039748.D (-2937) (-)



#61

Bromoform

Concen: 4.793 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU039758.D

Acq: 06 Aug 2020 15:38

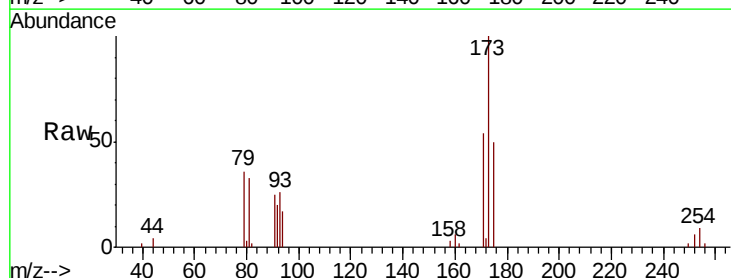
Tgt Ion: 173 Resp: 13096

Ion Ratio Lower Upper

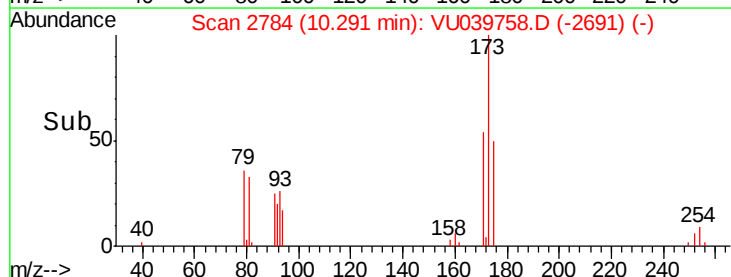
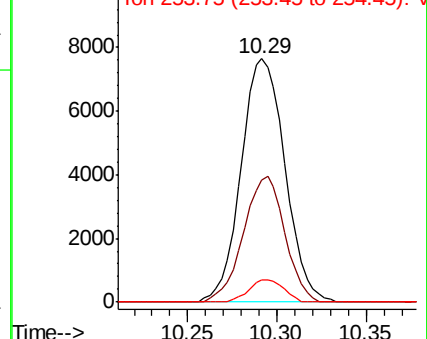
173 100

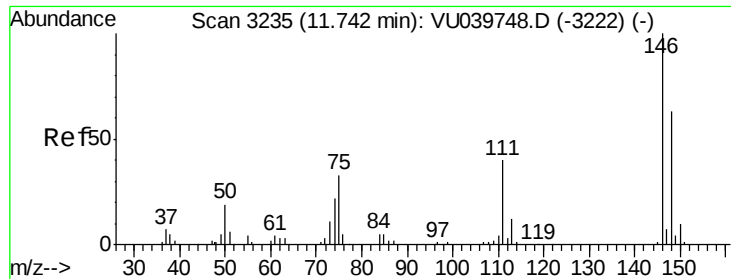
175 48.6 33.8 50.8

254 7.3 5.5 8.3



Abundance Ion 172.90 (172.60 to 173.60): VU039748.D (-2773) (-)





#62

1,3-Dichlorobenzene

Concen: 4.619 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039758.D

Acq: 06 Aug 2020 15:38

Instrument :

MSVOA_U

ClientSampleId :

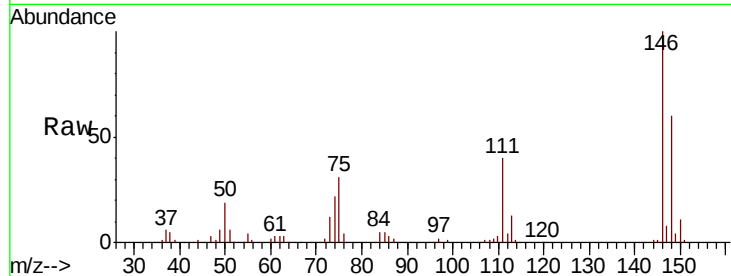
Tot Ion:146 Resp: 54678

Ion Ratio Lower Upper

146 100

111 40.0 27.7 51.5

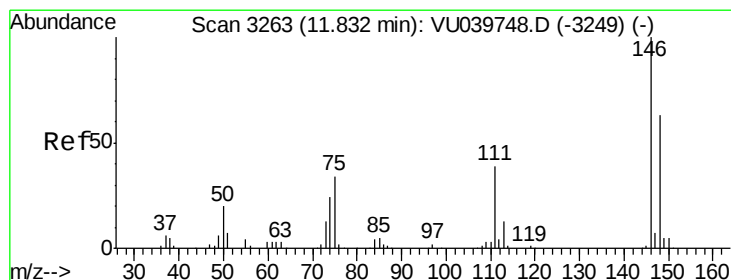
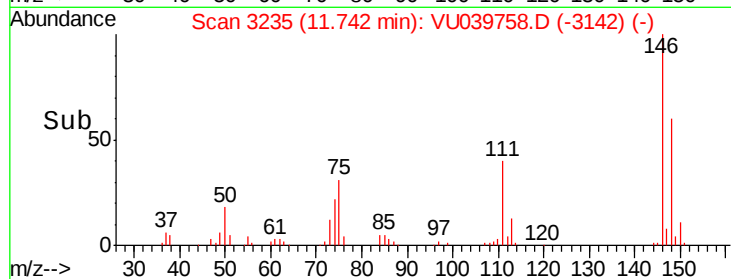
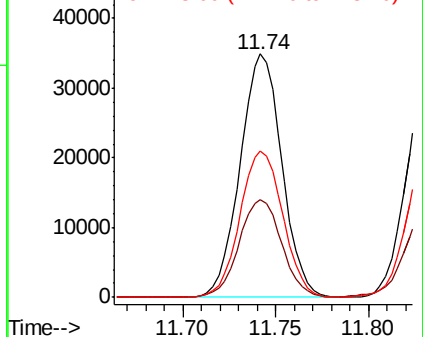
148 59.8 45.2 84.0



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



#63

1,4-Dichlorobenzene

Concen: 4.389 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.00 min

Lab File: VU039758.D

Acq: 06 Aug 2020 15:38

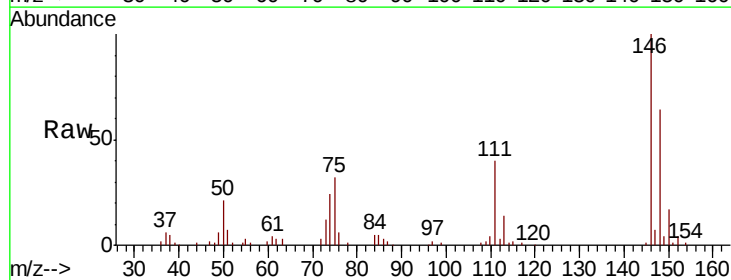
Tgt Ion:146 Resp: 54762

Ion Ratio Lower Upper

146 100

111 40.0 26.5 49.3

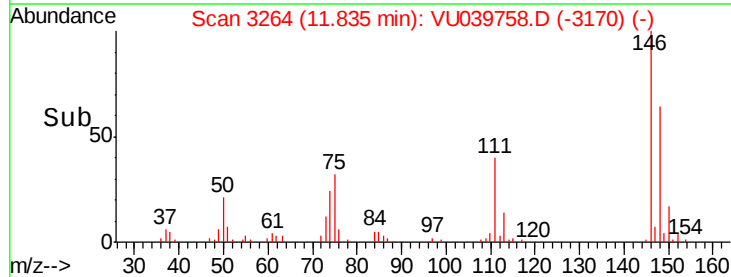
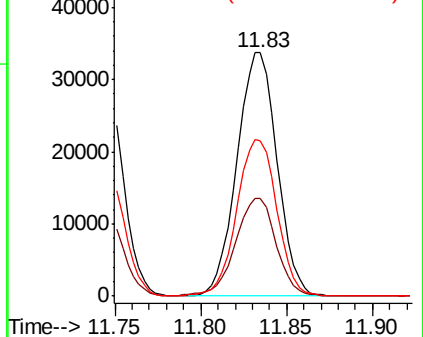
148 63.8 45.3 84.1

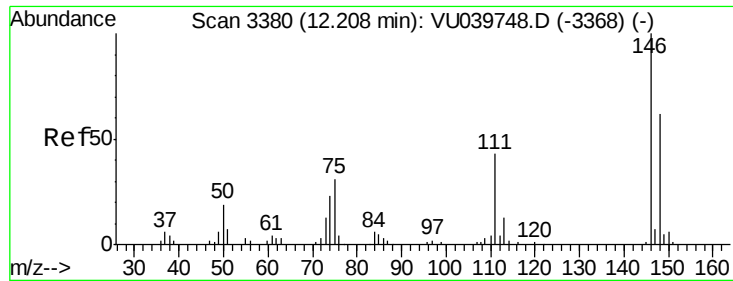


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

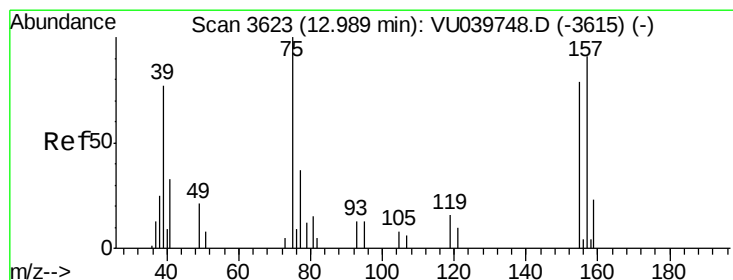
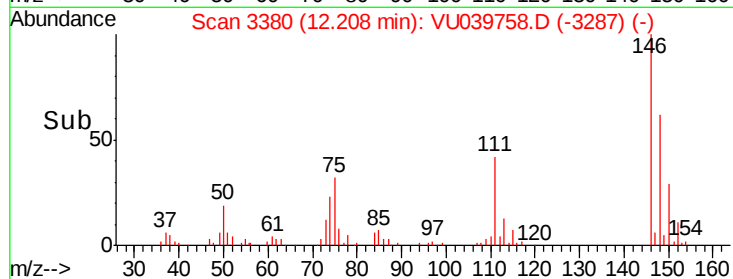
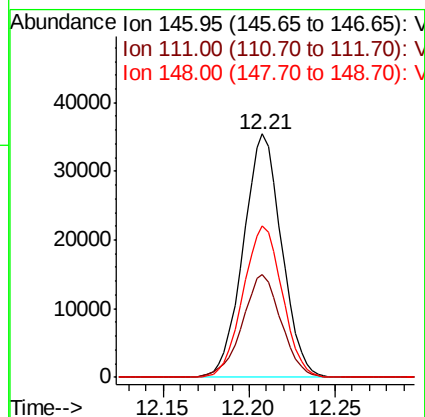
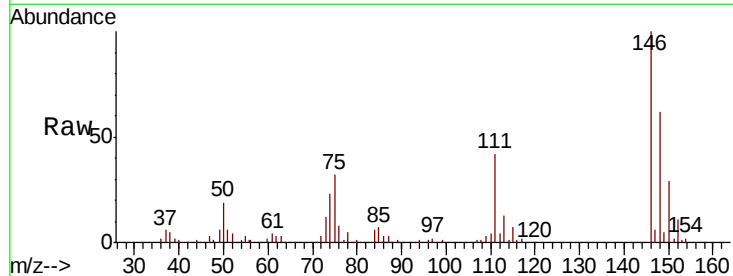




#65
 1,2-Dichlorobenzene
 Concen: 4.692 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039758.D
 Acq: 06 Aug 2020 15:38

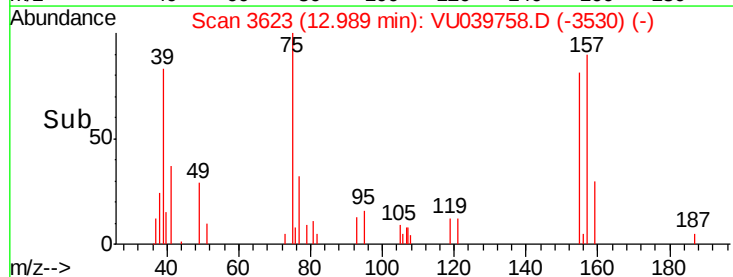
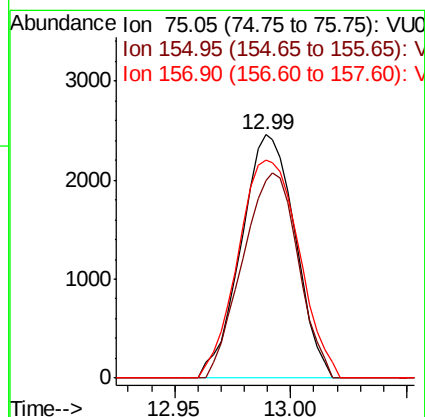
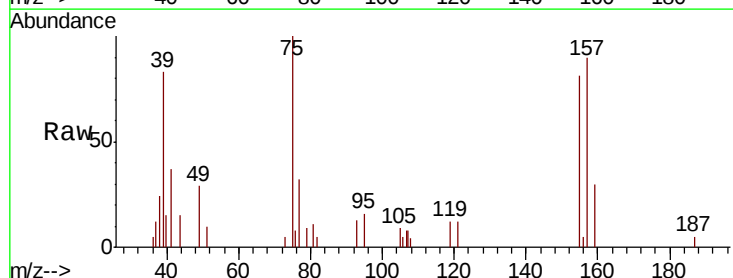
Instrument :
 MSVOA_U
 ClientSampleId :

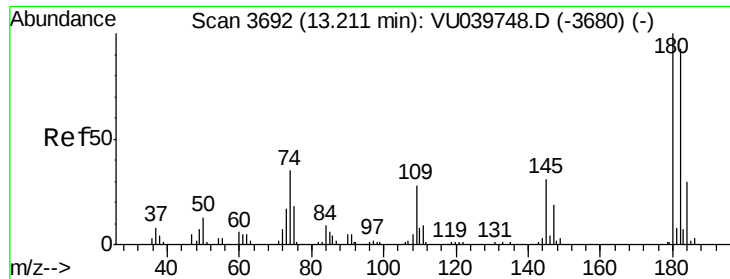
Tot Ion:146 Resp: 54718
 Ion Ratio Lower Upper
 146 100
 111 42.1 33.1 49.7
 148 62.0 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.508 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039758.D
 Acq: 06 Aug 2020 15:38

Tgt Ion: 75 Resp: 3974
 Ion Ratio Lower Upper
 75 100
 155 81.1 64.0 96.0
 157 89.7 77.0 115.6

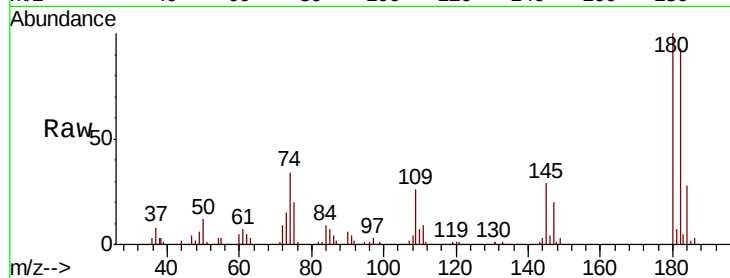




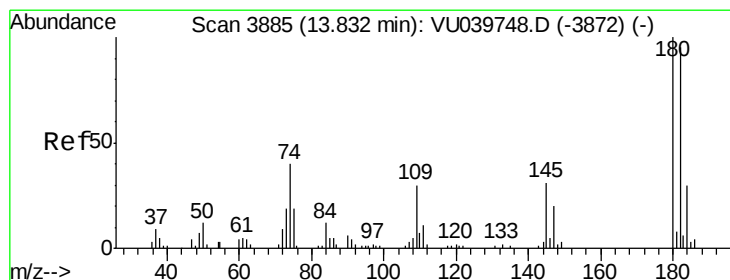
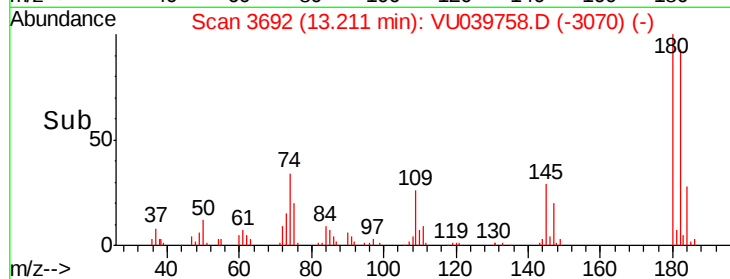
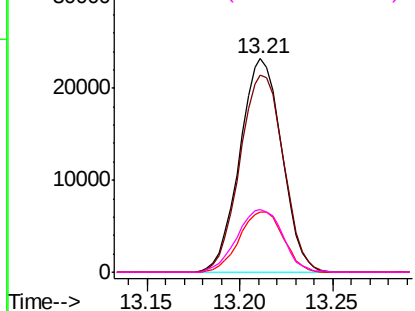
#67
 1,3,5-Trichlorobenzene
 Concen: 4.080 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU039758.D
 Acq: 06 Aug 2020 15:38

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	36597	
Ion	Ratio	Lower	Upper
180	100		
182	95.2	74.9	112.3
184	29.5	25.3	37.9
145	31.8	25.0	37.6

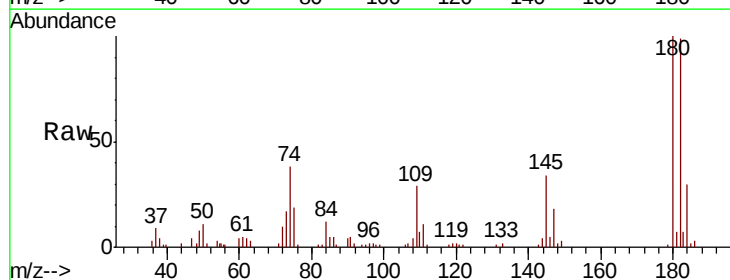


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

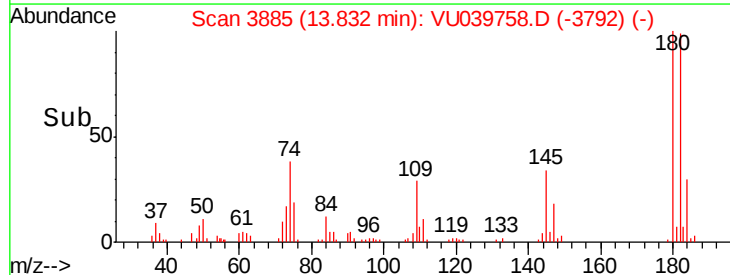
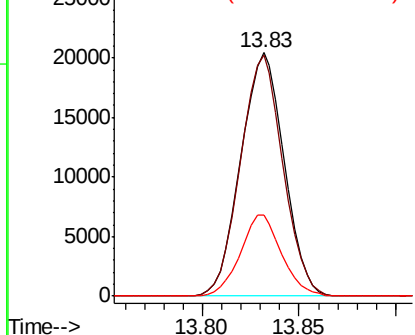


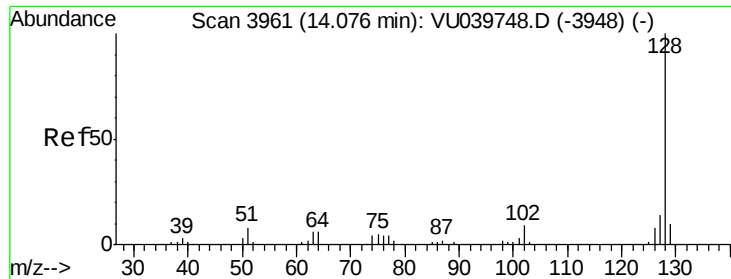
#68
 1,2,4-trichlorobenzene
 Concen: 4.227 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039758.D
 Acq: 06 Aug 2020 15:38

Tgt Ion:180	Resp:	31776	
Ion Ratio	Lower	Upper	
180 100			
182 97.3	75.7	113.5	
145 31.8	25.1	37.7	



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.533 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU039758.D

Acq: 06 Aug 2020 15:38

Instrument :

MSVOA_U

ClientSampled :

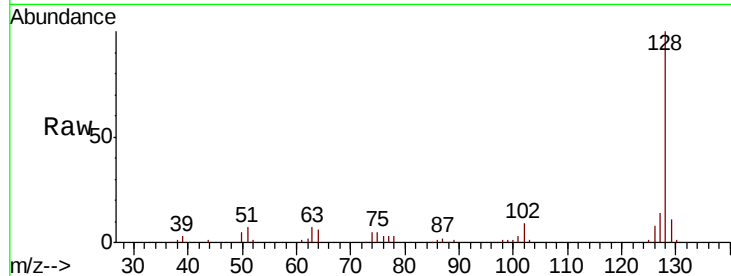
Tot Ion:128 Resp: 60927

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

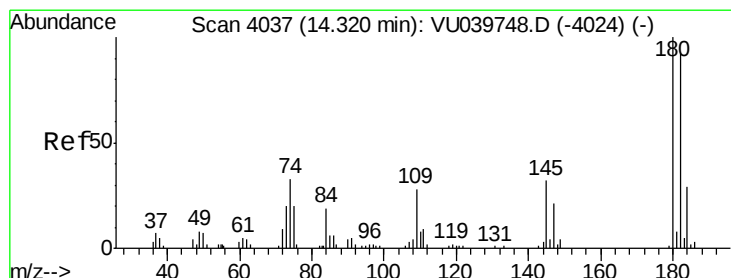
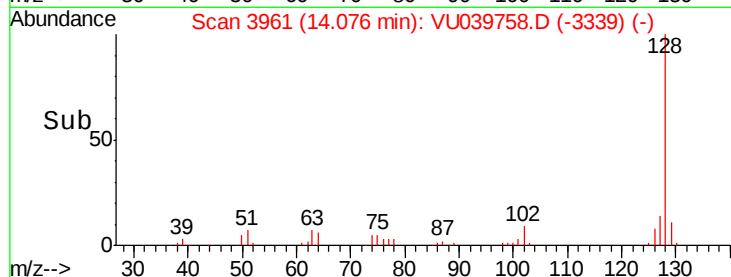
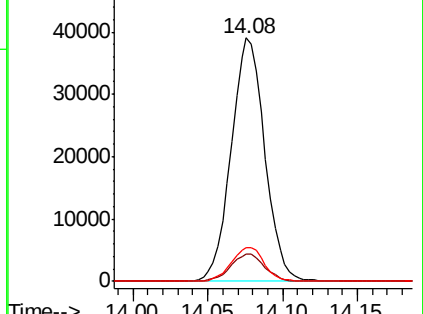
127 13.5 10.1 15.1



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: 4.654 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU039758.D

Acq: 06 Aug 2020 15:38

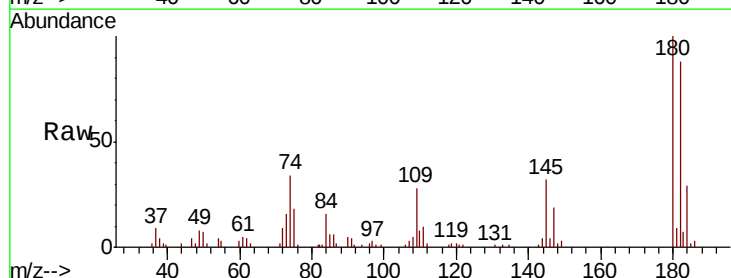
Tgt Ion:180 Resp: 31388

Ion Ratio Lower Upper

180 100

182 92.8 76.1 114.1

145 33.1 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

