

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091720\
 Data File : VU040176.D
 Acq On : 17 Sep 2020 10:32
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P6DL

Quant Time: Sep 18 03:09:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 17 17:07:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	146541	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	137371	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	68141	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	35580	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.92	69	30375	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.58	63	91794	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.40%
20) 2-Butanone-d5	4.65	46	148589	46.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.86%
24) Chloroform-d	5.08	84	80098	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	5.72	65	51547	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
32) Benzene-d6	5.74	84	149703	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.70	67	50195	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.90	98	130555	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	8.18	79	22078	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.64	63	112272	48.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.62%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	44199	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	49744	4.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	67925	4.671	ug/L 99
3) Chloromethane	1.53	50	62187	4.466	ug/L 98
5) Vinyl chloride	1.61	62	66646	4.721	ug/L 98
6) Bromomethane	1.87	94	31780	4.405	ug/L 94
8) Chloroethane	1.94	64	39215	4.623	ug/L 96
9) Trichlorofluoromethane	2.15	101	100278	4.959	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	64806	4.944	ug/L 98
12) 1,1-Dichloroethene	2.59	96	57595	5.079	ug/L 94
13) Acetone	2.66	43	145472	49.104	ug/L 96
14) Carbon disulfide	2.81	76	162282	4.463	ug/L 100
15) Methyl Acetate	2.97	43	34177	4.597	ug/L 98
16) Methylene chloride	3.06	84	71910	4.842	ug/L 96
17) Methyl tert-butyl Ether	3.38	73	171496	5.017	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	60045	4.922	ug/L 96
19) 1,1-Dichloroethane	3.89	63	123807	4.930	ug/L 99
21) 2-Butanone	4.73	43	238113	49.231	ug/L 97
22) cis-1,2-Dichloroethene	4.68	96	68624	5.231	ug/L 95

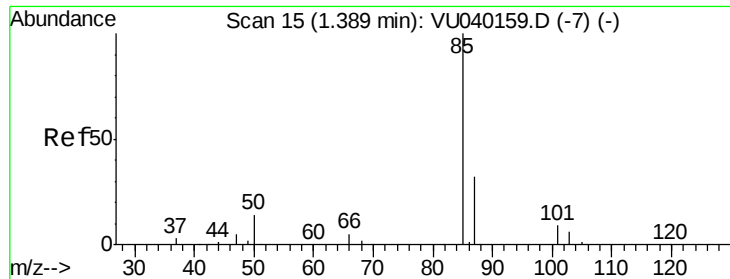
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091720\
 Data File : VU040176.D
 Acq On : 17 Sep 2020 10:32
 Operator : SY/MD
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Quant Time: Sep 18 03:09:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 17 17:07:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	30829	5.364	uq/L	93
25) Chloroform	5.11	83	134337	5.224	uq/L	99
27) 1,2-Dichloroethane	5.81	62	92592	4.915	uq/L	98
29) 1,1,1-Trichloroethane	5.33	97	113261	5.251	uq/L	99
30) Cyclohexane	5.40	56	105693	5.053	uq/L	99
31) Carbon tetrachloride	5.54	117	95922	5.197	uq/L	99
33) Benzene	5.79	78	257246	5.235	uq/L	100
34) Trichloroethene	6.55	95	68420	5.190	uq/L	97
35) Methylcyclohexane	6.77	83	103656	5.135	uq/L	97
37) 1,2-Dichloropropane	6.80	63	68719	5.164	uq/L	99
38) Bromodichloromethane	7.11	83	94161	5.184	uq/L	99
39) cis-1,3-Dichloropropene	7.61	75	101152	5.154	uq/L	97
40) 4-Methyl-2-pentanone	7.80	43	559872	51.279	uq/L	98
42) Toluene	7.97	91	273347	5.401	uq/L	98
44) trans-1,3-Dichloropropene	8.21	75	93914	5.164	uq/L	96
45) 1,1,2-Trichloroethane	8.40	97	53431	5.512	uq/L	97
47) Tetrachloroethene	8.56	164	45779	5.287	uq/L	93
48) 2-Hexanone	8.69	43	417365	52.406	uq/L	99
49) Dibromochloromethane	8.81	129	61472	5.283	uq/L	98
50) 1,2-Dibromoethane	8.93	107	49356	5.281	uq/L	95
51) Chlorobenzene	9.45	112	173955	5.536	uq/L	98
52) Ethylbenzene	9.57	91	305082	5.305	uq/L	98
53) m,p-Xylene	9.69	106	110778	5.411	uq/L	100
54) o-Xylene	10.10	106	108952	5.585	uq/L	97
55) Styrene	10.11	104	189870	5.596	uq/L	94
56) Isopropylbenzene	10.48	105	295860	5.561	uq/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	65200	5.245	uq/L	96
59) 1,2,3-Trichloropropane	10.82	75	49826	5.054	uq/L	99
61) Bromoform	10.29	173	31329	5.013	uq/L	99
62) 1,3-Dichlorobenzene	11.74	146	130380	5.235	uq/L	97
63) 1,4-Dichlorobenzene	11.83	146	136275	5.407	uq/L	99
65) 1,2-Dichlorobenzene	12.20	146	127081	5.273	uq/L	96
66) 1,2-Dibromo-3-chloropropan	12.99	75	11447	4.441	uq/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	93089	5.316	uq/L	99
68) 1,2,4-trichlorobenzene	13.83	180	77048	5.108	uq/L	100
69) Naphthalene	14.08	128	151482	4.818	uq/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	69137	4.990	uq/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.671 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040176.D

Acq: 17 Sep 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

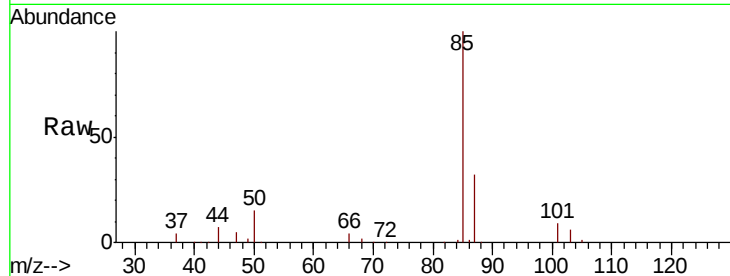
BG0P6DL

Tot Ion: 85 Resp: 67925

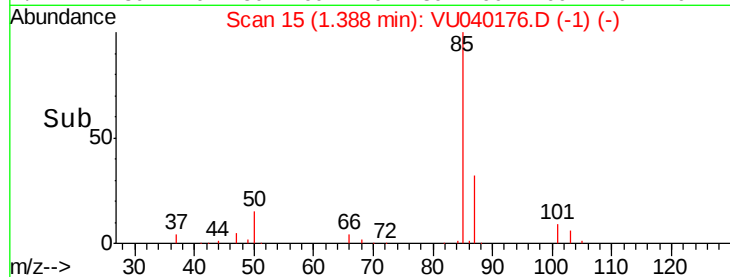
Ion Ratio Lower Upper

85 100

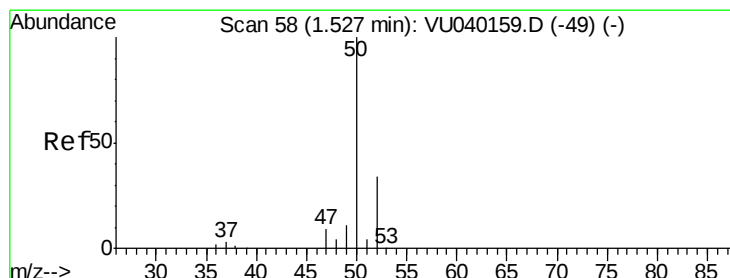
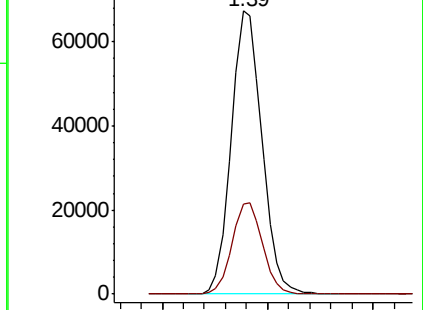
87 31.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU040176.D (-1) (-)



Ion 87.00 (86.70 to 87.70): VU040176.D (-1) (-)



#3

Chloromethane

Concen: 4.466 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040176.D

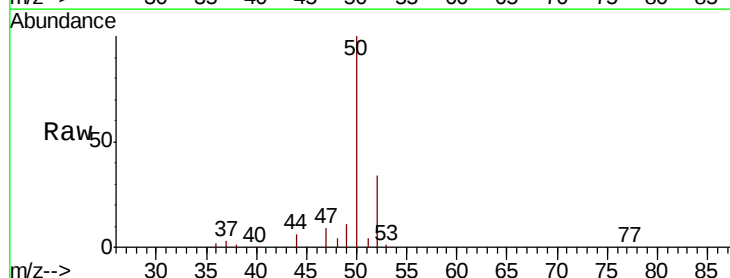
Acq: 17 Sep 2020 10:32

Tgt Ion: 50 Resp: 62187

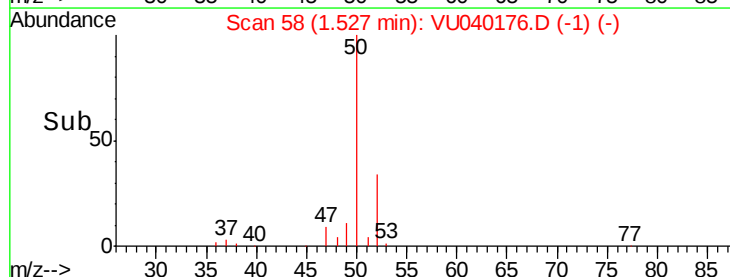
Ion Ratio Lower Upper

50 100

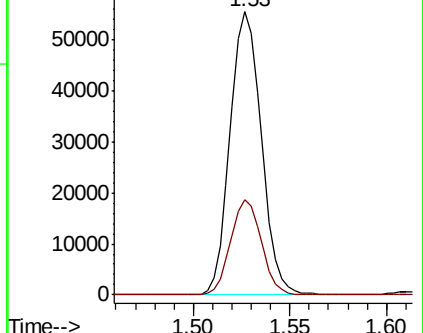
52 33.8 22.8 42.4

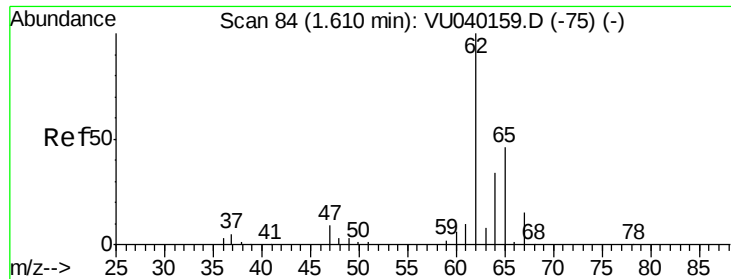


Abundance Ion 50.05 (49.75 to 50.75): VU040176.D (-1) (-)



Ion 52.05 (51.75 to 52.75): VU040176.D (-1) (-)





#5

Vinyl chloride

Concen: 4.721 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040176.D

Acq: 17 Sep 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

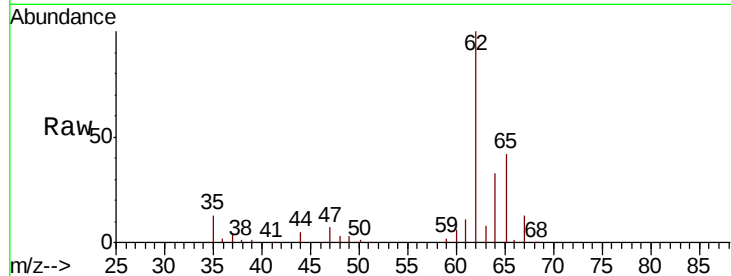
BG0P6DL

Tot Ion: 62 Resp: 66646

Ion Ratio Lower Upper

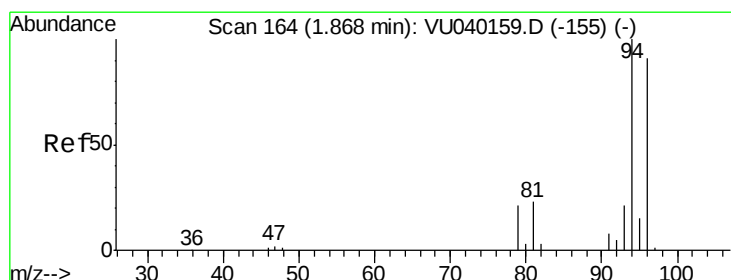
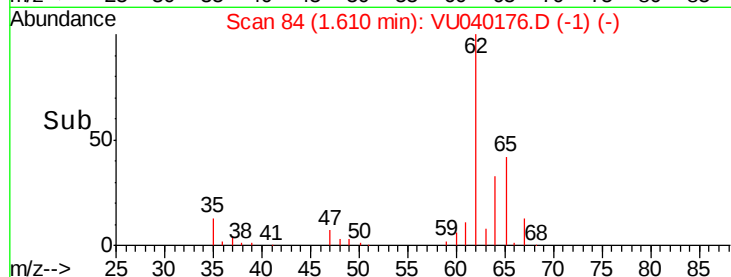
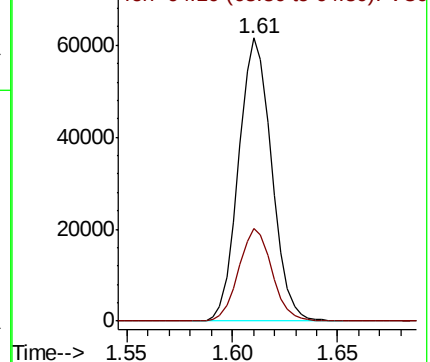
62 100

64 32.8 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.405 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040176.D

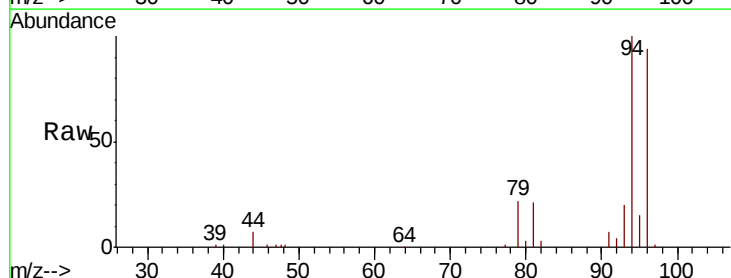
Acq: 17 Sep 2020 10:32

Tgt Ion: 94 Resp: 31780

Ion Ratio Lower Upper

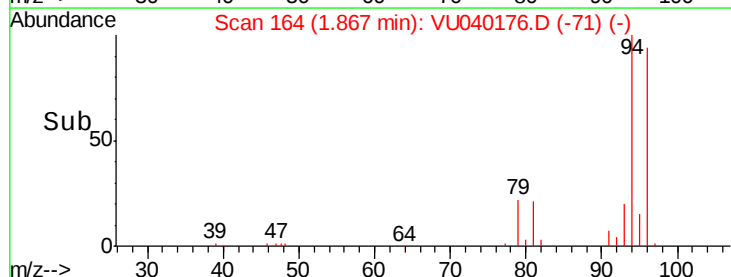
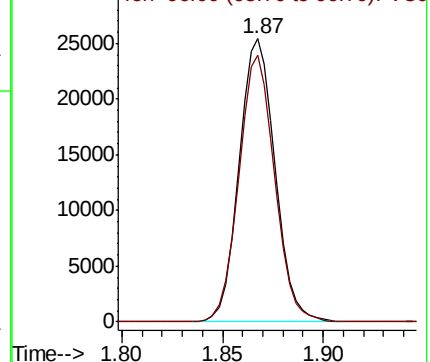
94 100

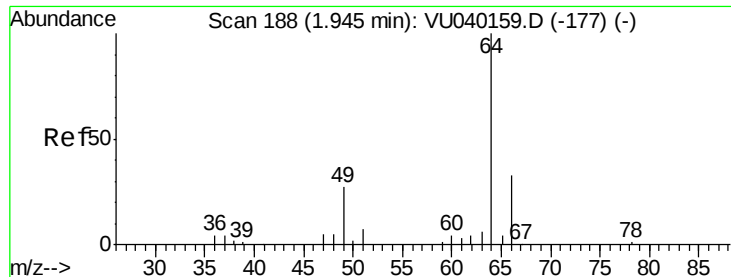
96 94.2 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

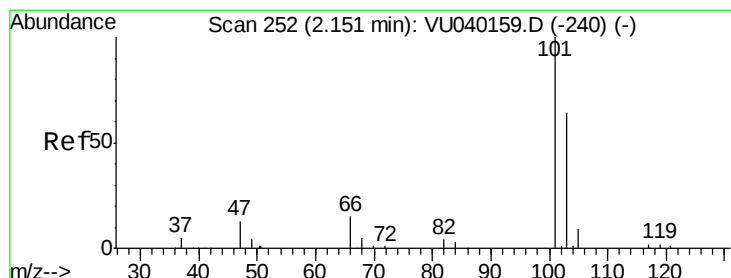
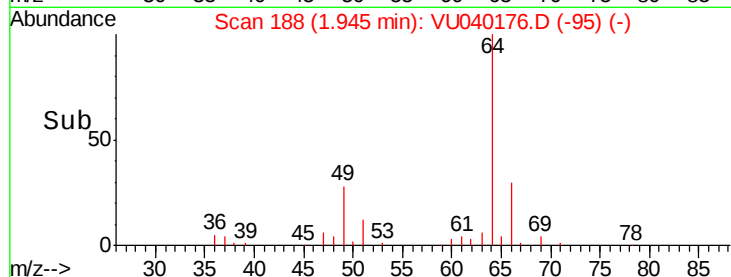
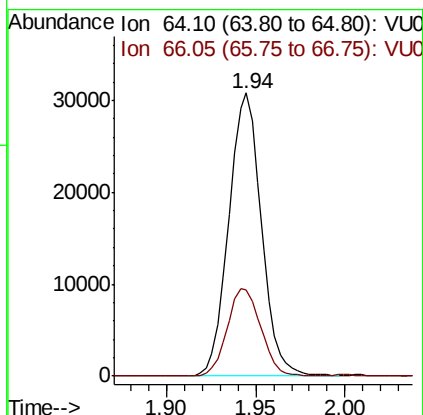
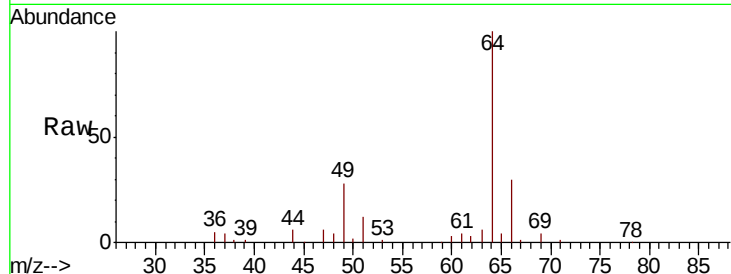




#8
Chloroethane
Concen: 4.623 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU040176.D
Acq: 17 Sep 2020 10:32

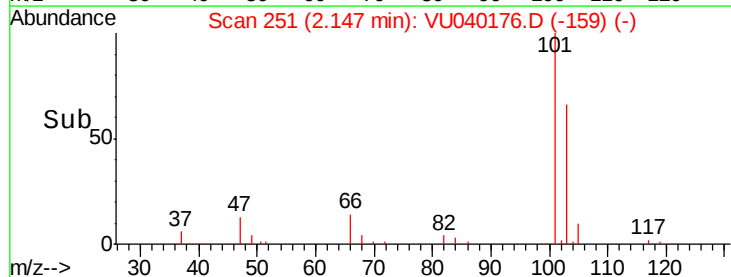
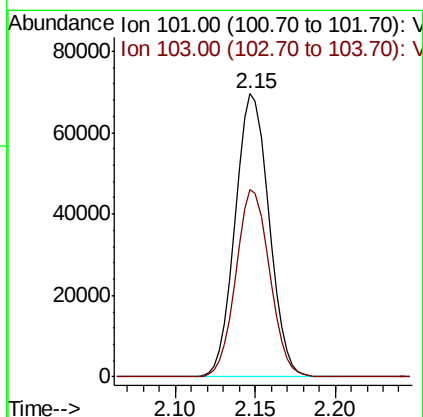
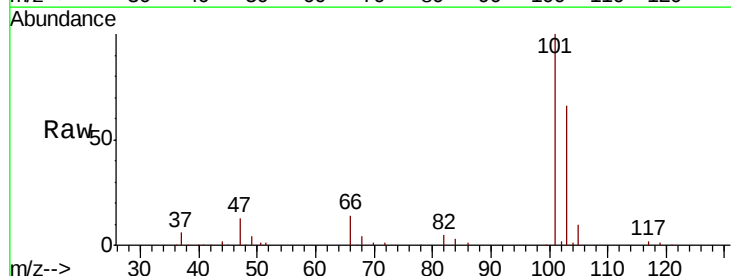
Instrument :
MSVOA_U
ClientSampled :
BG0P6DL

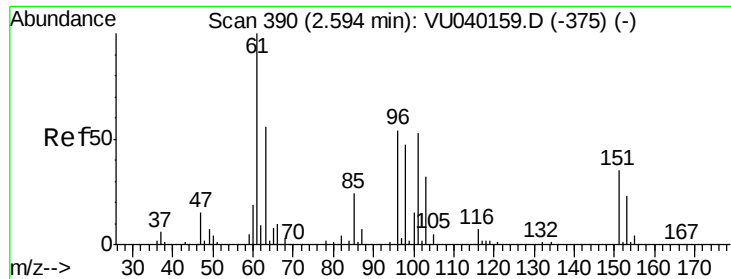
Tot Ion: 64 Resp: 39215
Ion Ratio Lower Upper
64 100
66 30.3 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.959 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040176.D
Acq: 17 Sep 2020 10:32

Tgt Ion:101 Resp: 100278
Ion Ratio Lower Upper
101 100
103 65.8 51.3 76.9





#10

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

Concen: 4.944 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040176.D

Acq: 17 Sep 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

BG0P6DL

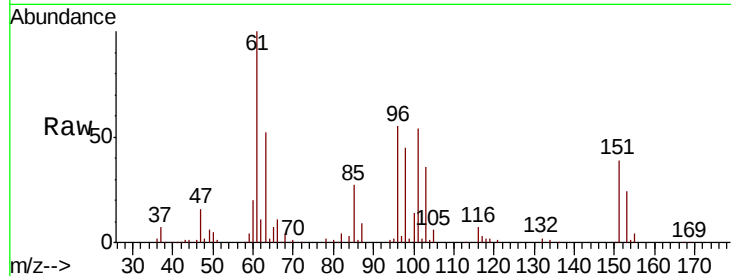
Tot Ion:101 Resp: 64806

Ion Ratio Lower Upper

101 100

85 48.3 37.7 56.5

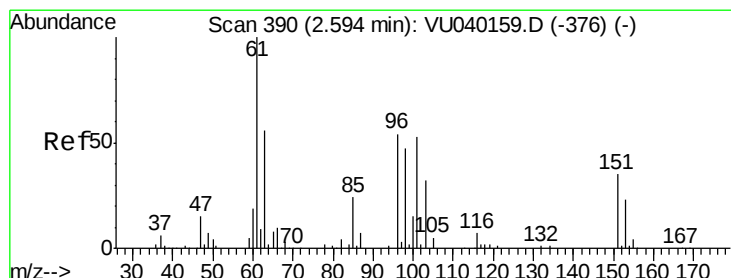
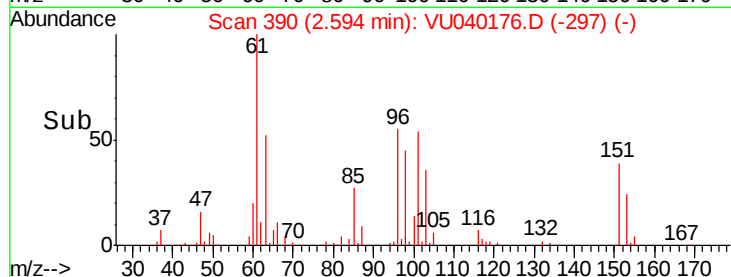
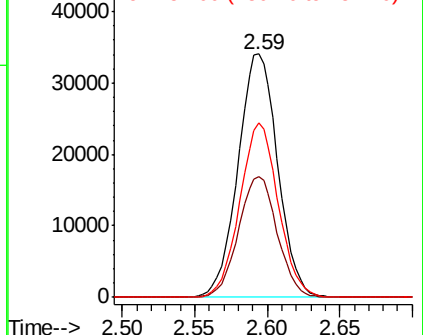
151 69.3 53.9 80.9



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: 5.079 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040176.D

Acq: 17 Sep 2020 10:32

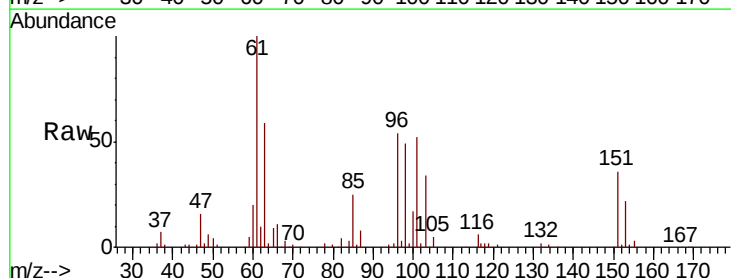
Tgt Ion: 96 Resp: 57595

Ion Ratio Lower Upper

96 100

61 184.7 138.3 256.8

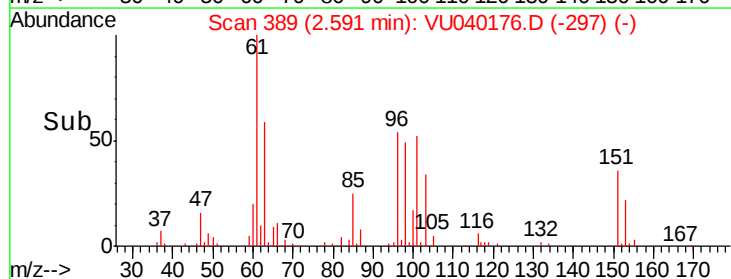
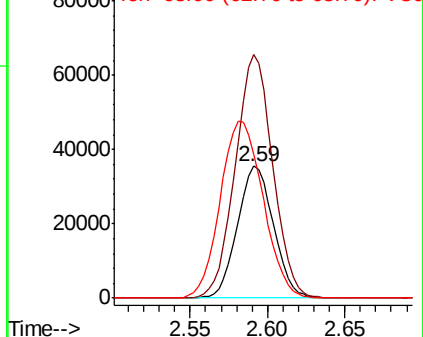
63 109.5 77.6 144.2

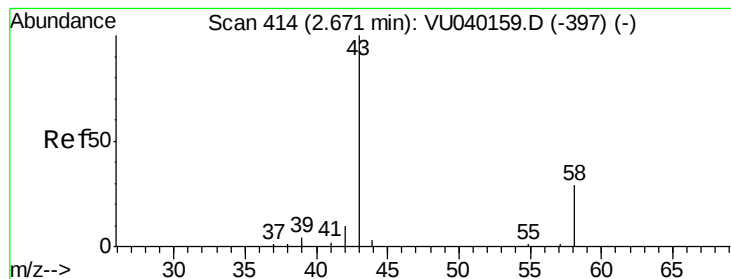


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.104 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU040176.D

Acq: 17 Sep 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

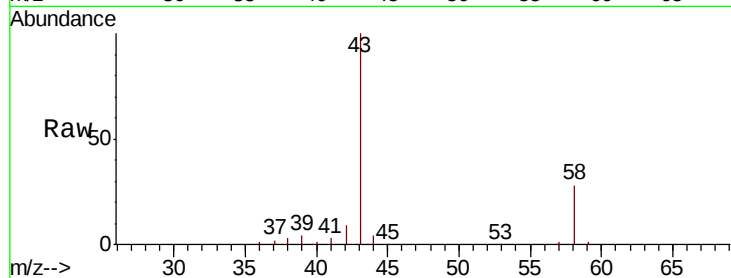
BG0P6DL

Tot Ion: 43 Resp: 145472

Ion Ratio Lower Upper

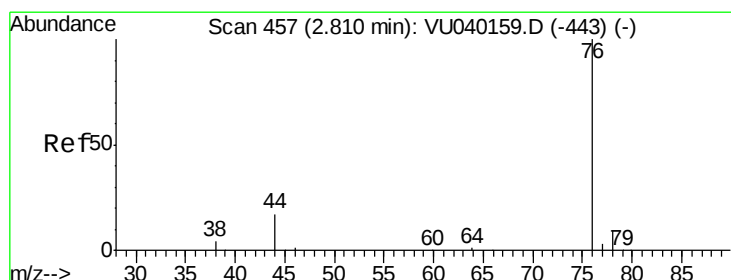
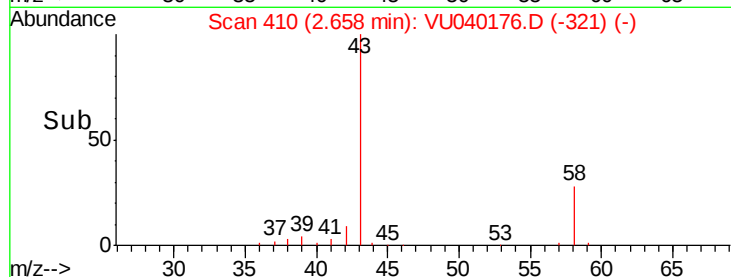
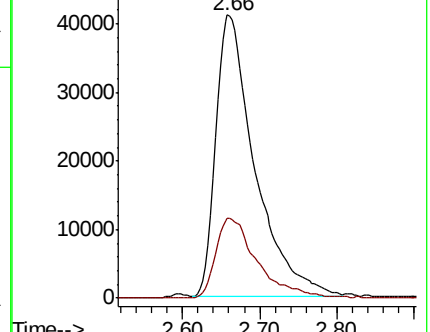
43 100

58 29.8 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU040159.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU040159.D (-397) (-)



#14

Carbon disulfide

Concen: 4.463 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040176.D

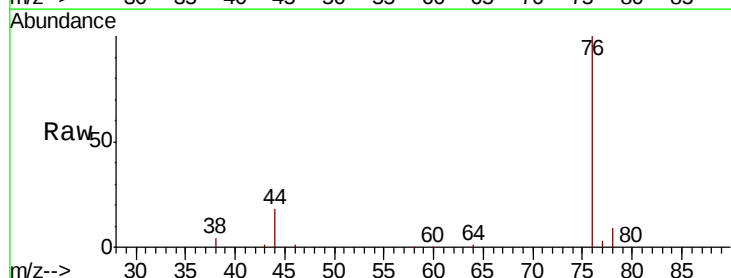
Acq: 17 Sep 2020 10:32

Tgt Ion: 76 Resp: 162282

Ion Ratio Lower Upper

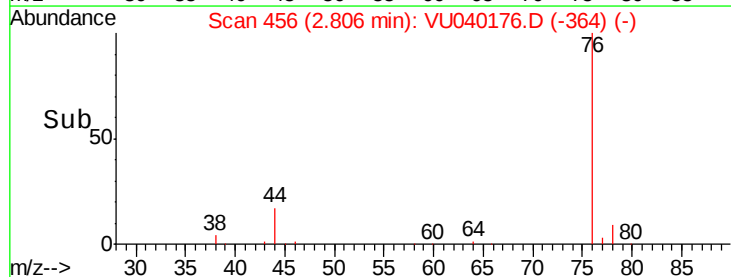
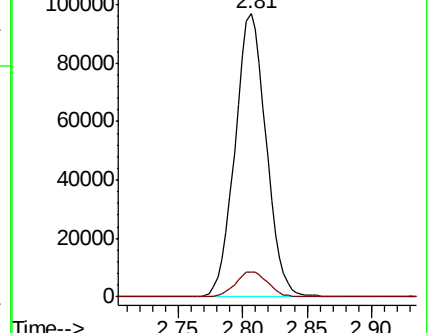
76 100

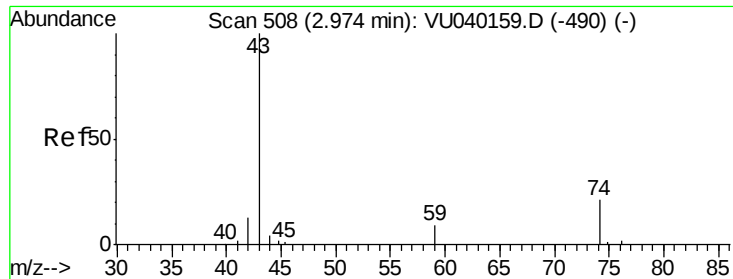
78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040159.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU040159.D (-443) (-)

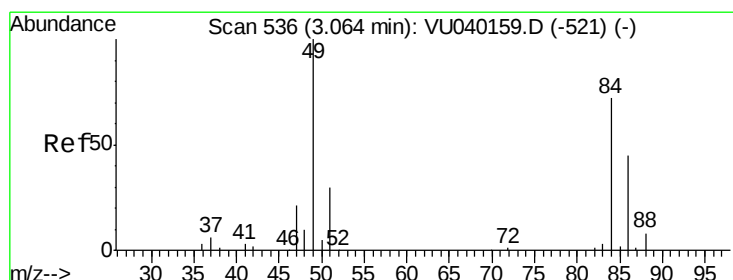
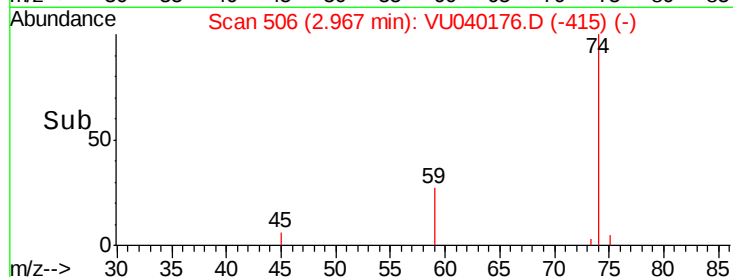
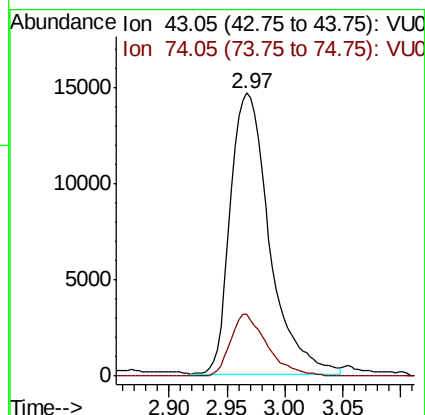
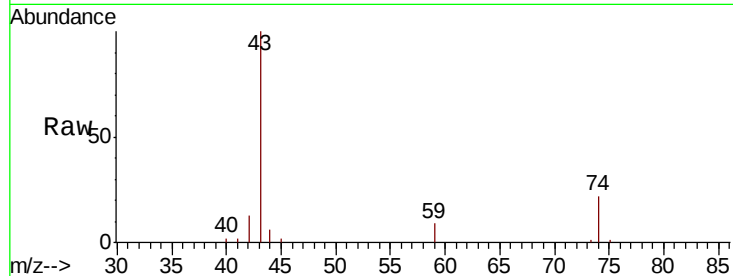




#15
Methvl Acetate
Concen: 4.597 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.01 min
Lab File: VU040176.D
Acq: 17 Sep 2020 10:32

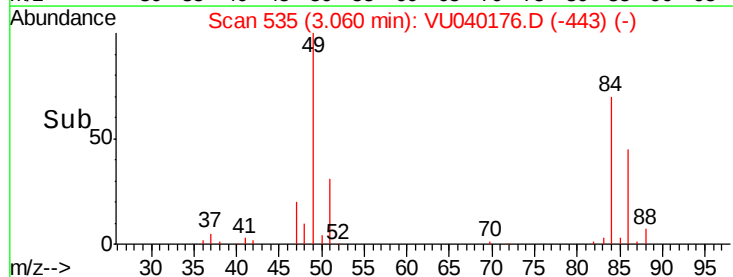
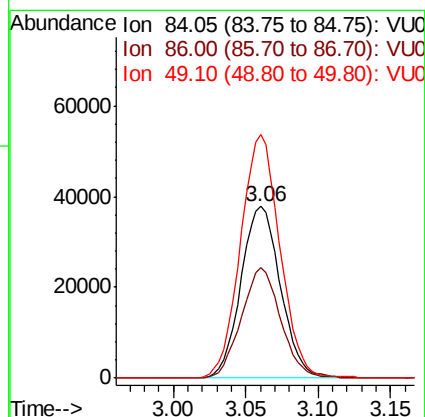
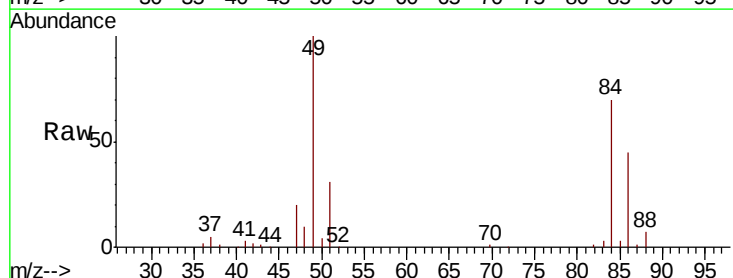
Instrument :
MSVOA_U
ClientSampleId :
BG0P6DL

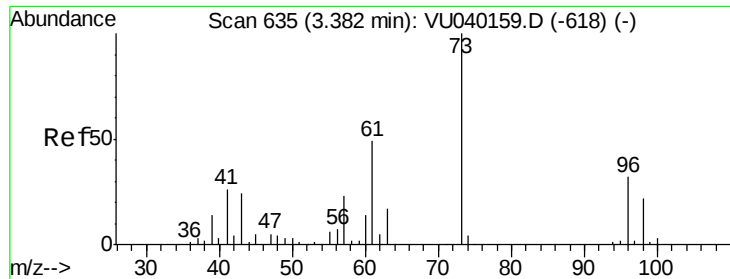
Tot Ion: 43 Resp: 34177
Ion Ratio Lower Upper
43 100
74 20.6 17.4 26.0



#16
Methylene chloride
Concen: 4.842 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040176.D
Acq: 17 Sep 2020 10:32

Tgt Ion: 84 Resp: 71910
Ion Ratio Lower Upper
84 100
86 64.1 45.2 84.0
49 142.0 104.0 193.2

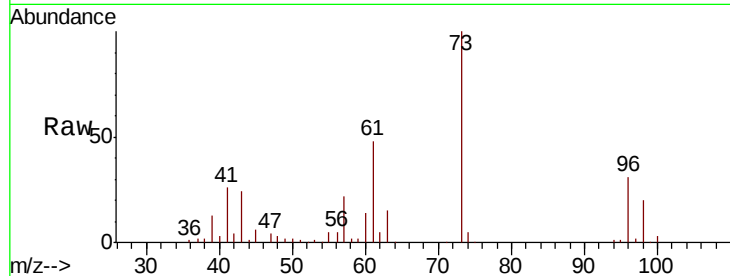




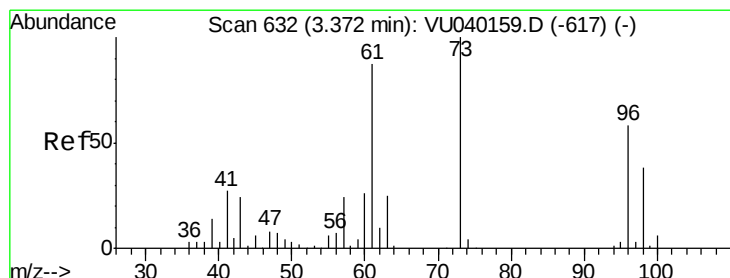
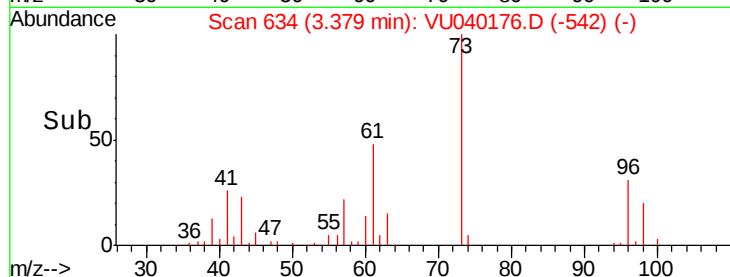
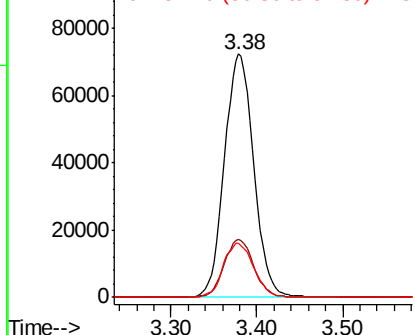
#17
Methvl tert-butvl Ether
Concen: 5.017 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040176.D
Acq: 17 Sep 2020 10:32

Instrument :
MSVOA_U
ClientSampleId :
BG0P6DL

Tot Ion: 73 Resp: 171496
Ion Ratio Lower Upper
73 100
43 24.1 19.1 28.7
57 23.0 18.3 27.5

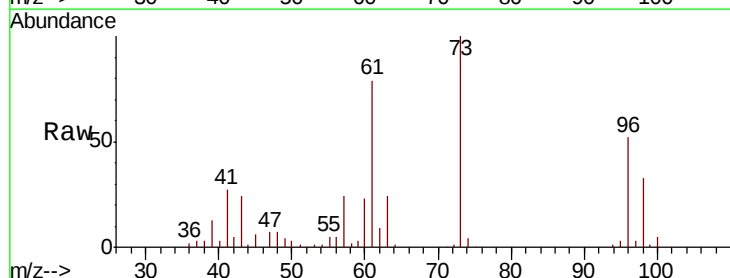


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

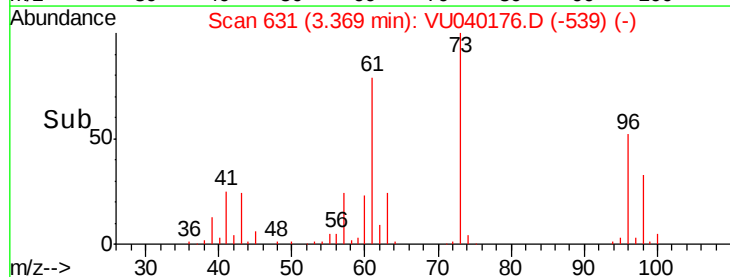
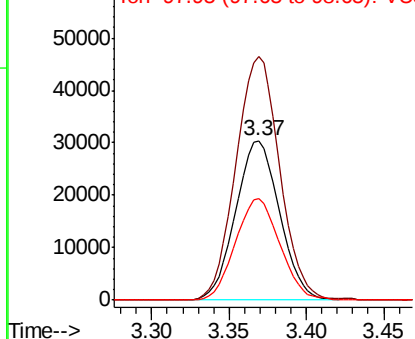


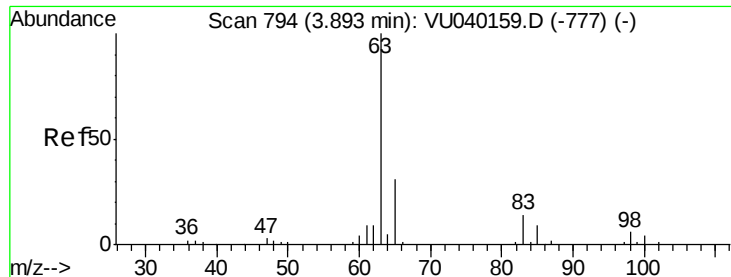
#18
trans-1,2-Dichloroethene
Concen: 4.922 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040176.D
Acq: 17 Sep 2020 10:32

Tgt Ion: 96 Resp: 60045
Ion Ratio Lower Upper
96 100
61 152.4 110.5 205.3
98 63.2 43.2 80.2



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

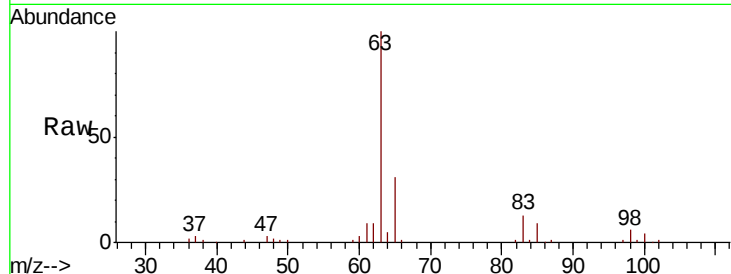




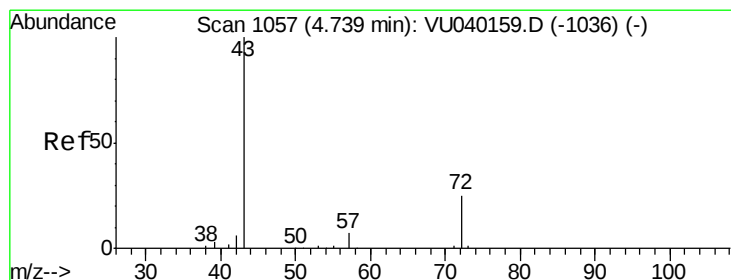
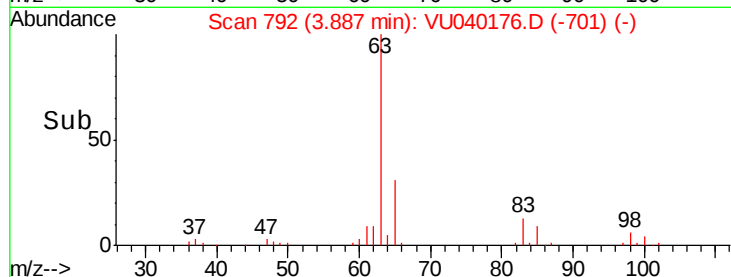
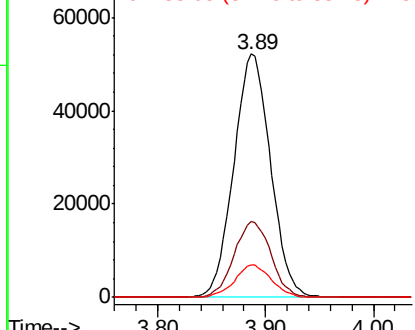
#19
 1,1-Dichloroethane
 Concen: 4.930 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: VU040176.D
 Acq: 17 Sep 2020 10:32

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P6DL

Tot Ion: 63 Resp: 123807
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.2 41.2
 83 13.5 9.4 17.6

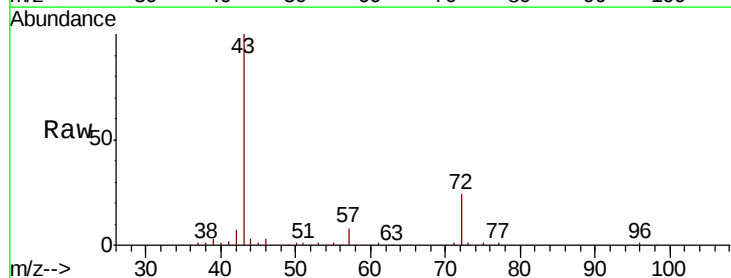


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

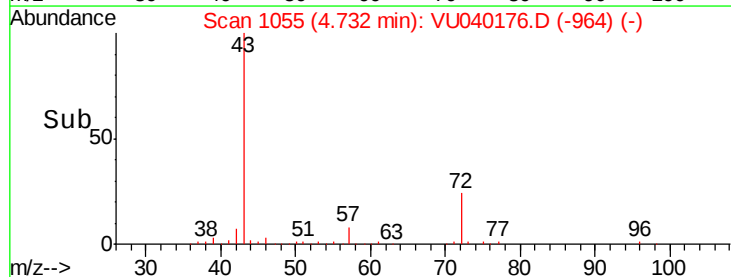
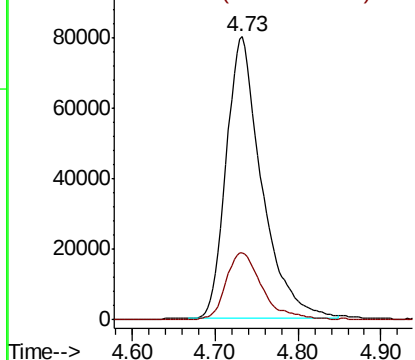


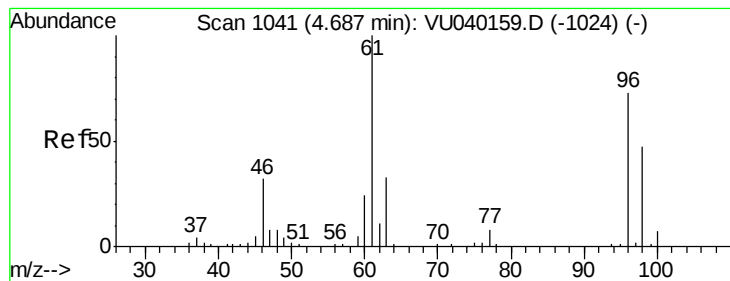
#21
 2-Butanone
 Concen: 49.231 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VU040176.D
 Acq: 17 Sep 2020 10:32

Tgt Ion: 43 Resp: 238113
 Ion Ratio Lower Upper
 43 100
 72 24.7 11.7 35.0



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: 5.231 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VU040176.D

Acq: 17 Sep 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

BG0P6DL

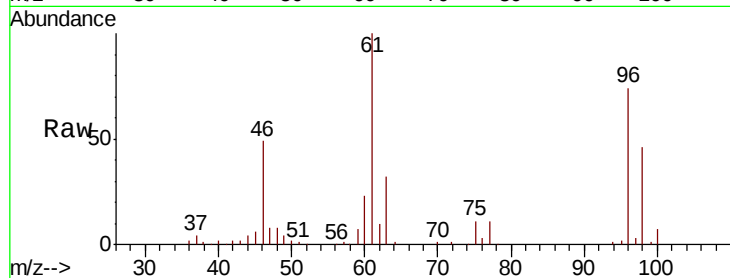
Tot Ion: 96 Resp: 68624

Ion Ratio Lower Upper

96 100

61 134.9 98.8 183.4

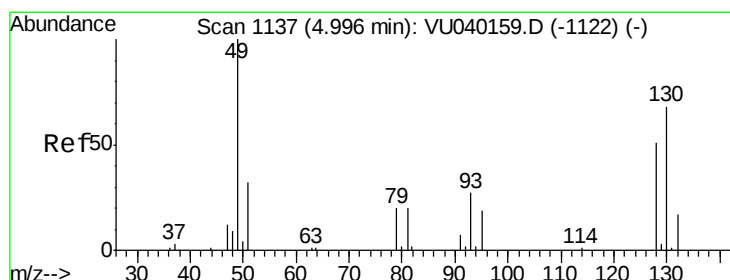
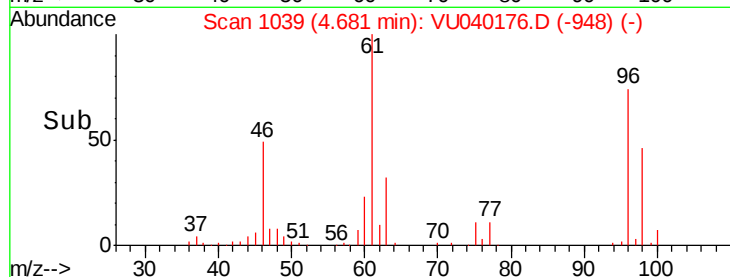
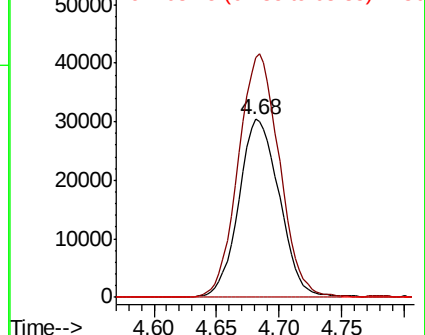
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040176.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU040176.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU040176.D (-948) (-)



#23

Bromochloromethane

Concen: 5.364 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040176.D

Acq: 17 Sep 2020 10:32

Tgt Ion: 128 Resp: 30829

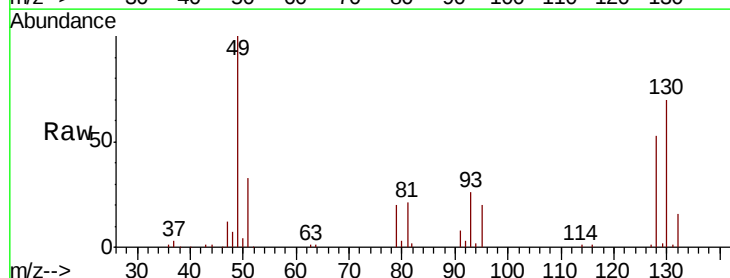
Ion Ratio Lower Upper

128 100

49 187.4 143.4 266.4

130 131.6 89.5 166.3

51 62.4 51.0 76.4

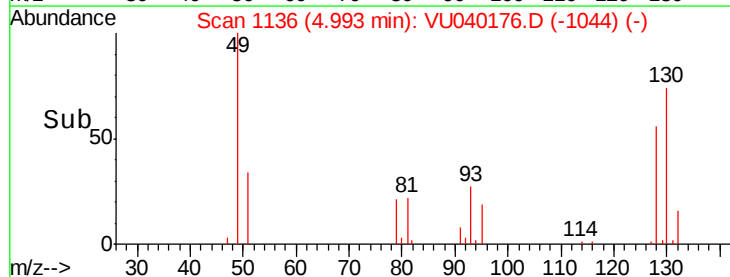
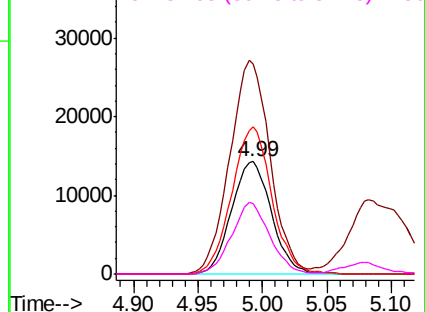


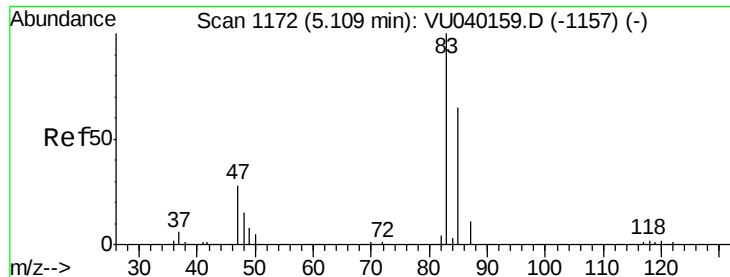
Abundance Ion 127.90 (127.60 to 128.60): VU040176.D (-1044) (-)

Ion 49.10 (48.80 to 49.80): VU040176.D (-1044) (-)

Ion 129.95 (129.65 to 130.65): VU040176.D (-1044) (-)

Ion 51.05 (50.75 to 51.75): VU040176.D (-1044) (-)

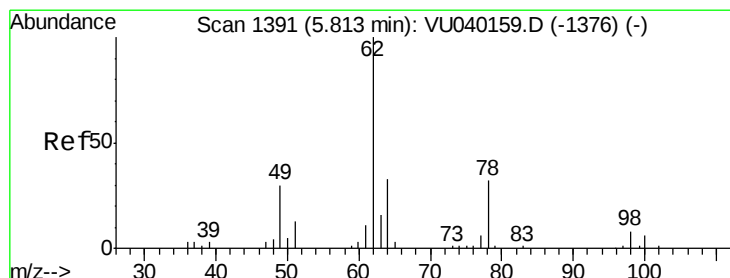
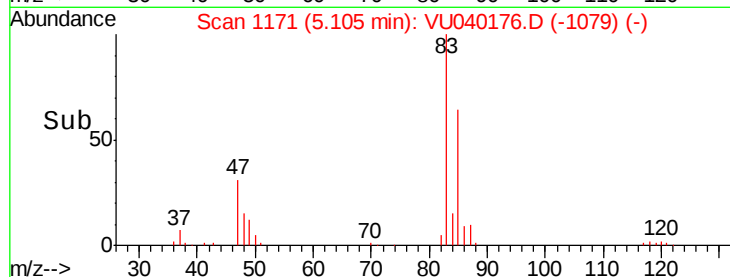
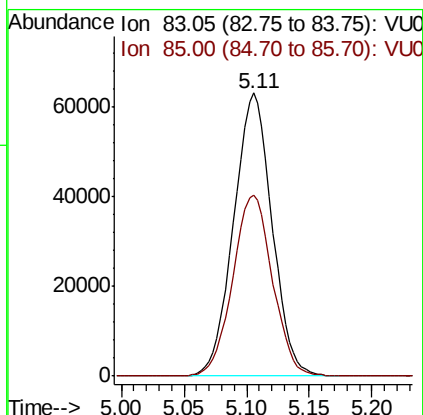
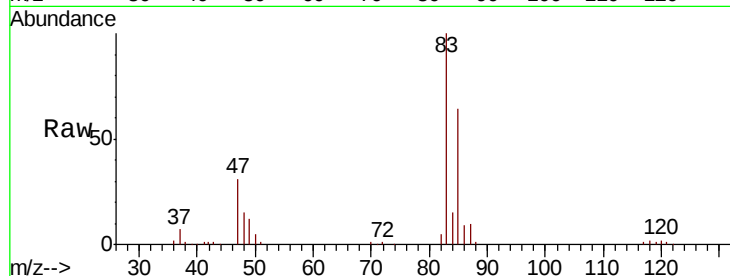




#25
Chloroform
Concen: 5.224 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040176.D
Acq: 17 Sep 2020 10:32

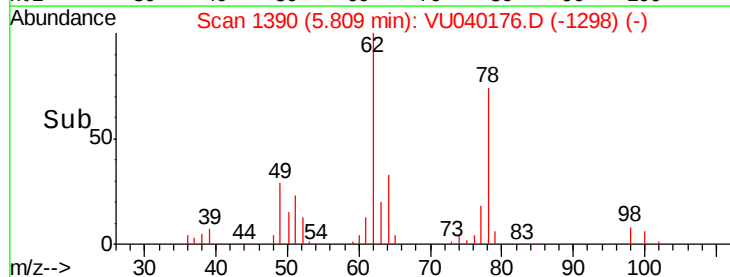
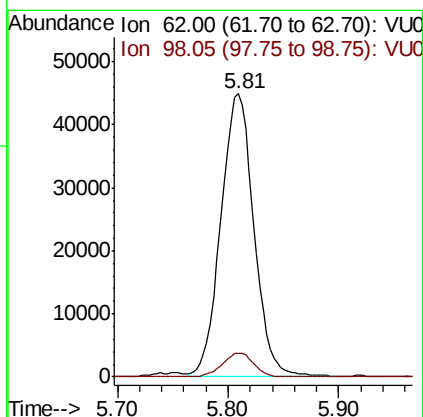
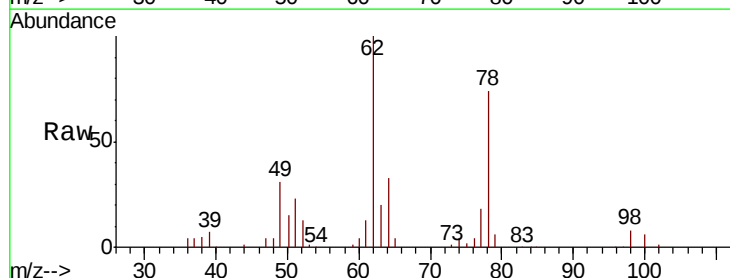
Instrument :
MSVOA_U
ClientSampleId :
BG0P6DL

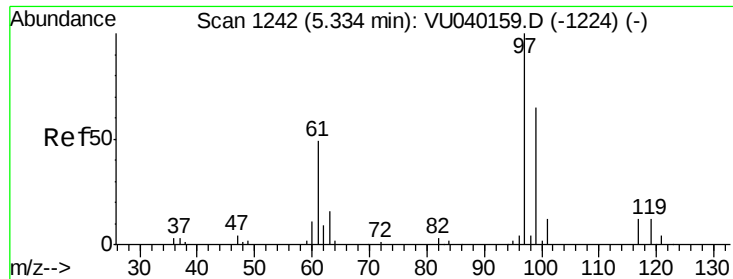
Tot Ion: 83 Resp: 134337
Ion Ratio Lower Upper
83 100
85 64.0 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.915 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040176.D
Acq: 17 Sep 2020 10:32

Tgt Ion: 62 Resp: 92592
Ion Ratio Lower Upper
62 100
98 8.3 6.1 9.1

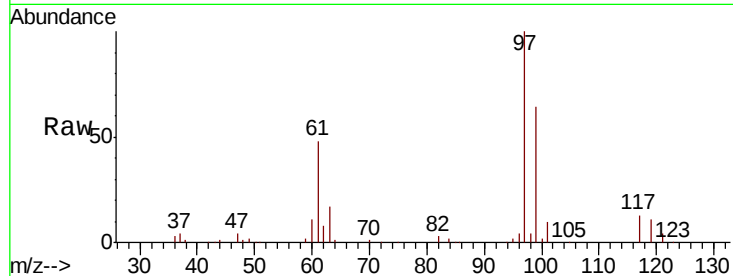




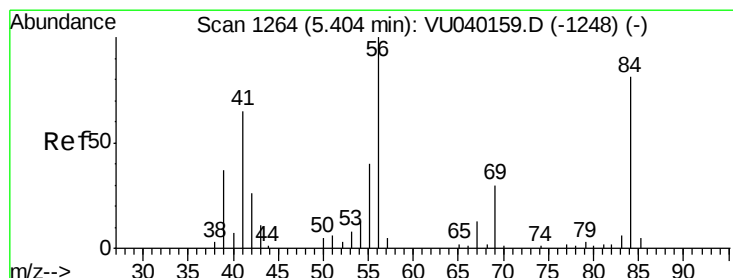
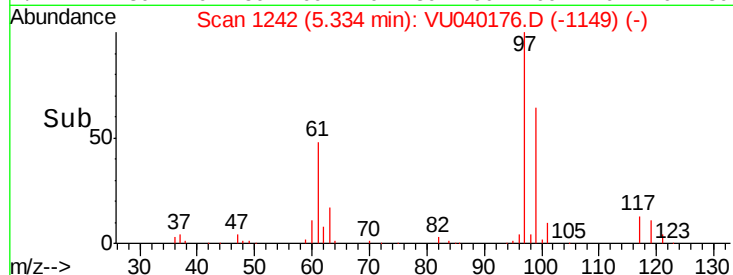
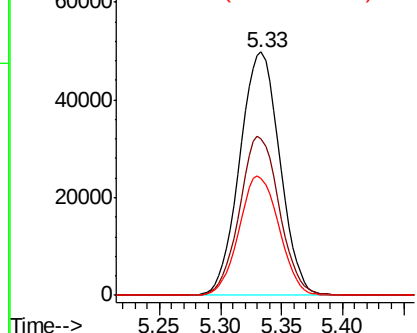
#29
 1,1,1-Trichloroethane
 Concen: 5.251 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU040176.D
 Acq: 17 Sep 2020 10:32

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P6DL

Tot Ion: 97 Resp: 113261
 Ion Ratio Lower Upper
 97 100
 99 65.0 50.9 76.3
 61 49.0 39.5 59.3

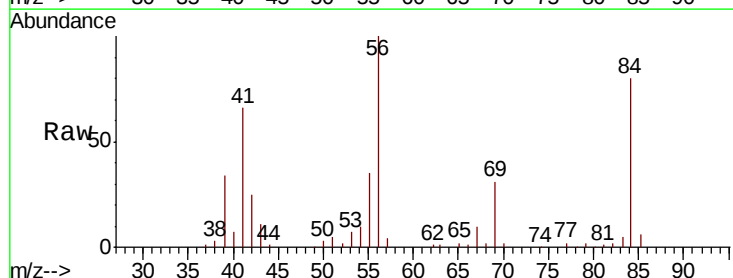


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

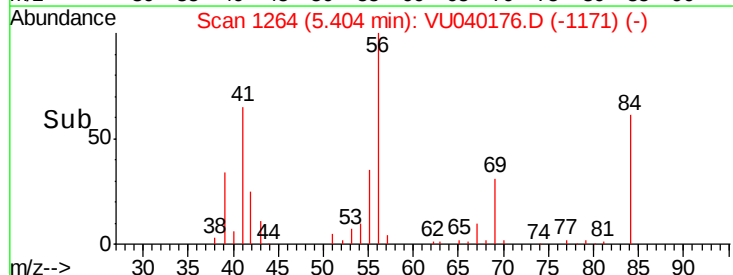
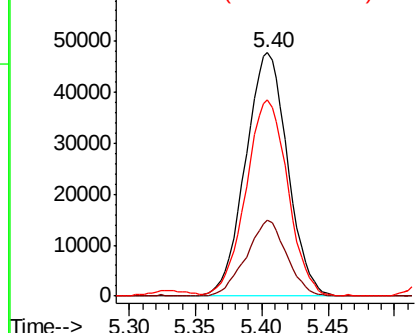


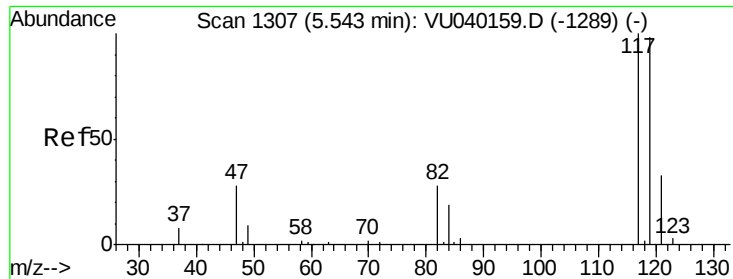
#30
 Cyclohexane
 Concen: 5.053 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040176.D
 Acq: 17 Sep 2020 10:32

Tgt Ion: 56 Resp: 105693
 Ion Ratio Lower Upper
 56 100
 69 29.8 24.1 36.1
 84 80.0 65.0 97.4



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: 5.197 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040176.D

Acq: 17 Sep 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

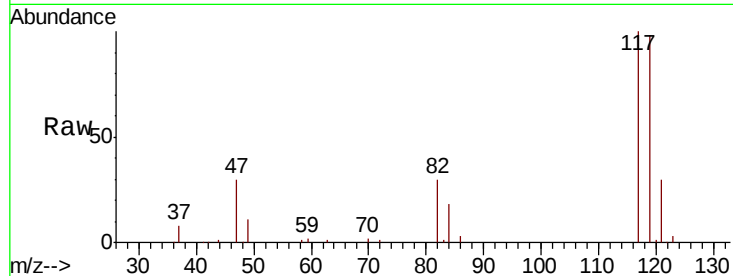
BG0P6DL

Tot Ion:117 Resp: 95922

Ion Ratio Lower Upper

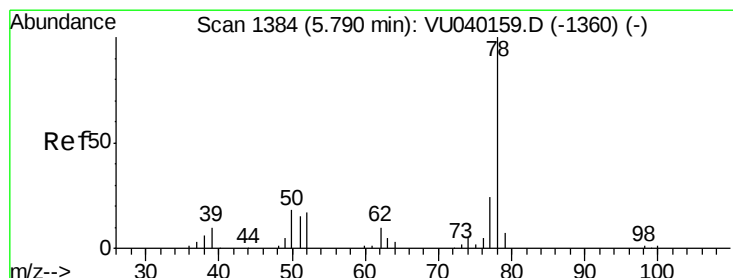
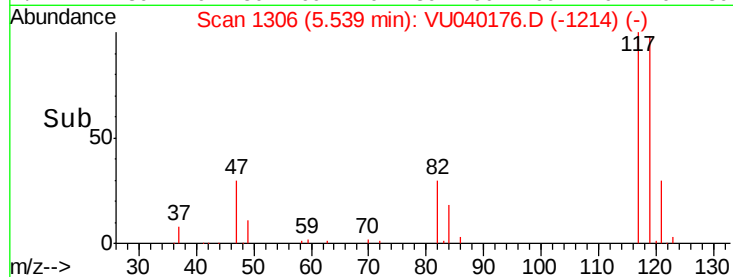
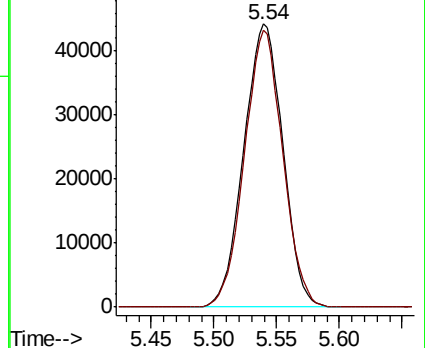
117 100

119 96.0 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.235 ug/L

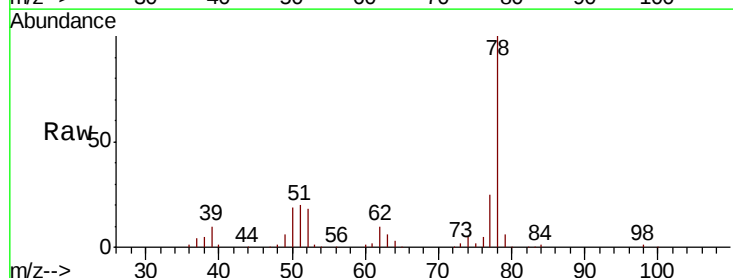
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

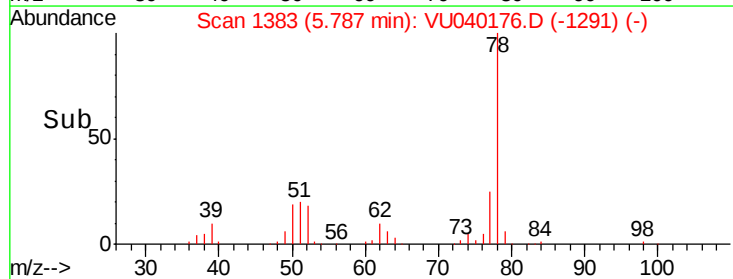
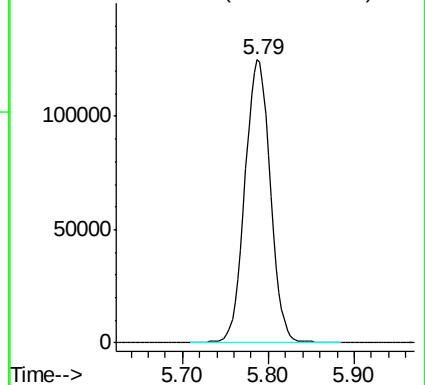
Lab File: VU040176.D

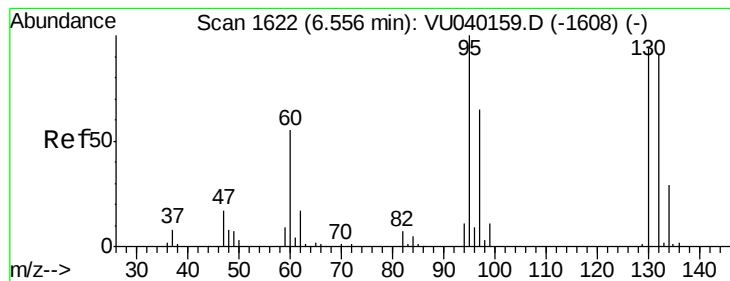
Acq: 17 Sep 2020 10:32

Tgt Ion: 78 Resp: 257246



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.190 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040176.D

Acq: 17 Sep 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

BG0P6DL

Tot Ion: 95 Resp: 68420

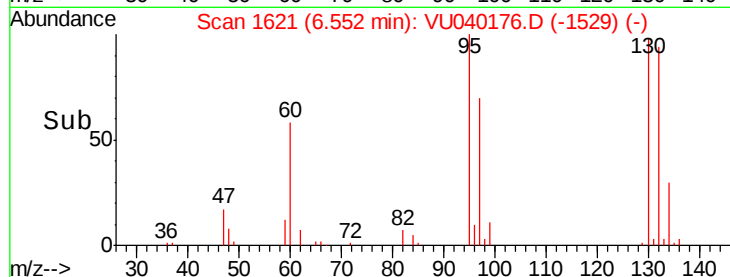
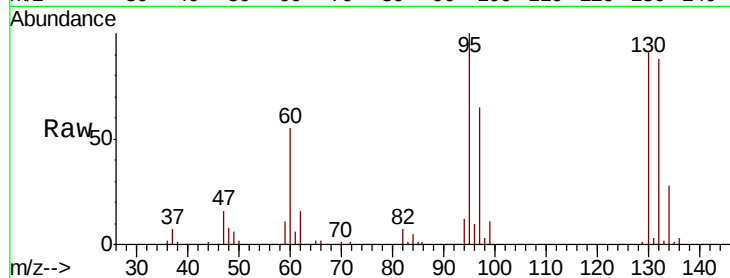
Ion Ratio Lower Upper

95 100

97 65.3 43.3 80.5

132 88.1 59.4 110.4

130 91.4 64.8 120.4

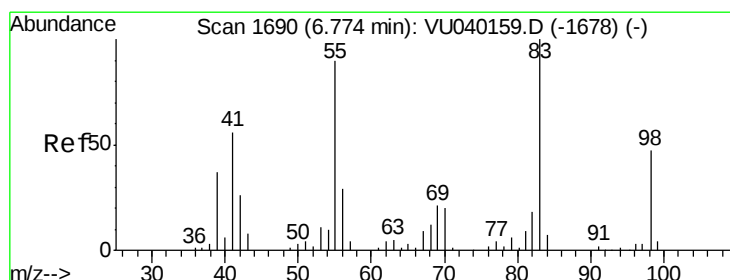
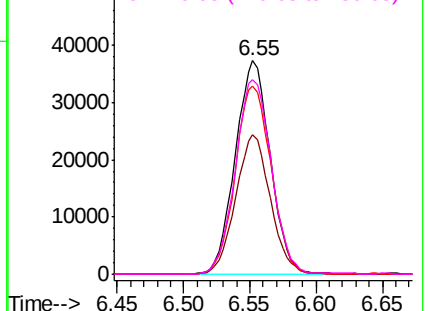


Abundance Ion 95.00 (94.70 to 95.70): VU040176.D (-1529) (-)

Ion 96.95 (96.65 to 97.65): VU040176.D (-1529) (-)

Ion 131.95 (131.65 to 132.65): VU040176.D (-1529) (-)

Ion 129.95 (129.65 to 130.65): VU040176.D (-1529) (-)



#35

Methylcyclohexane

Concen: 5.135 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU040176.D

Acq: 17 Sep 2020 10:32

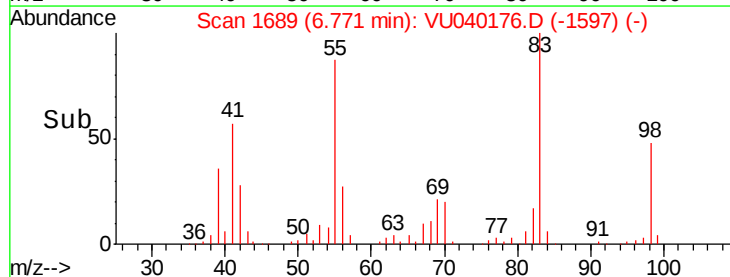
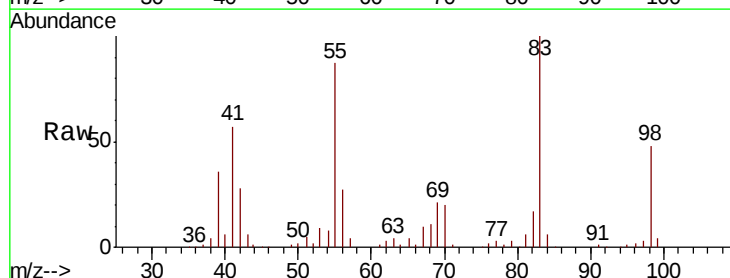
Tgt Ion: 83 Resp: 103656

Ion Ratio Lower Upper

83 100

55 83.7 70.5 105.7

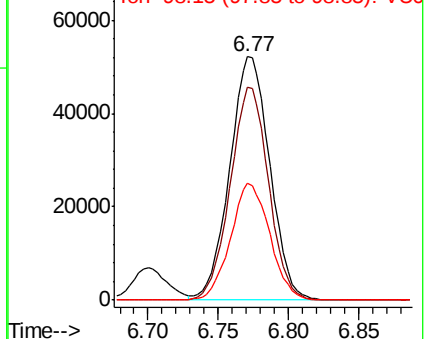
98 46.8 37.8 56.6

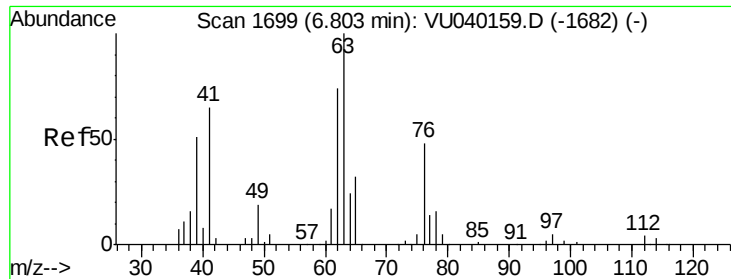


Abundance Ion 83.15 (82.85 to 83.85): VU040176.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU040176.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU040176.D (-1597) (-)

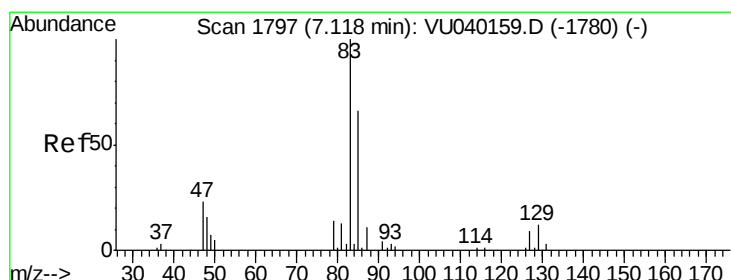
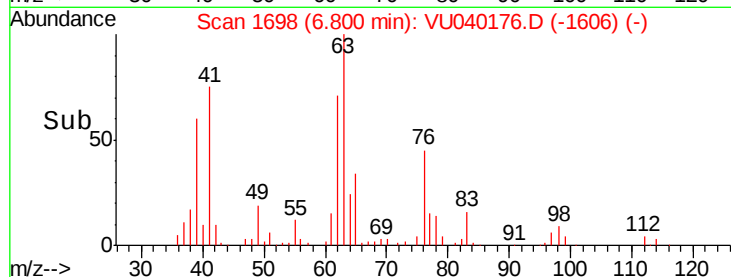
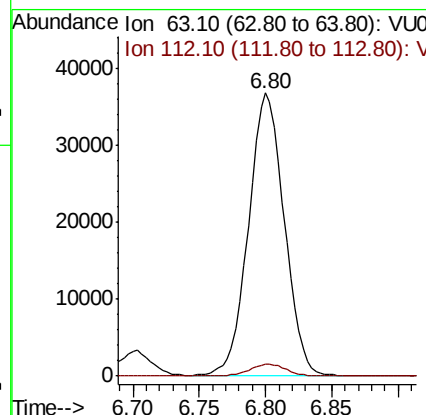
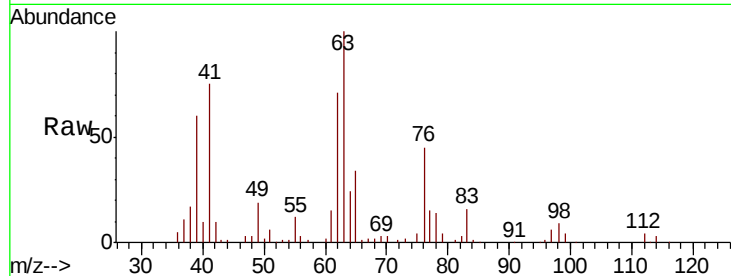




#37
 1,2-Dichloropropane
 Concen: 5.164 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040176.D
 Acq: 17 Sep 2020 10:32

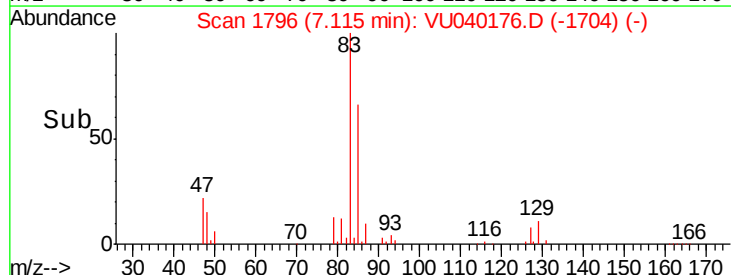
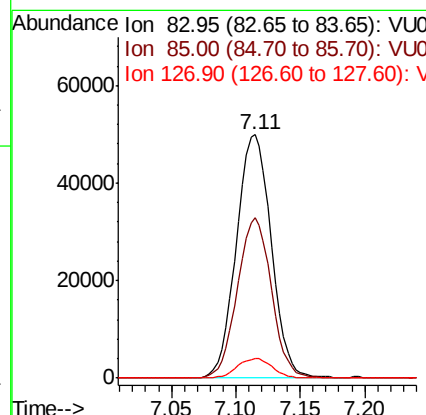
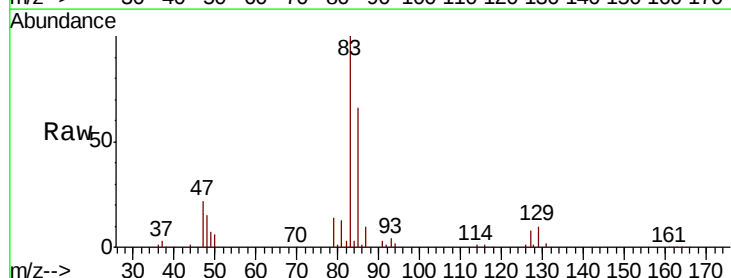
Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P6DL

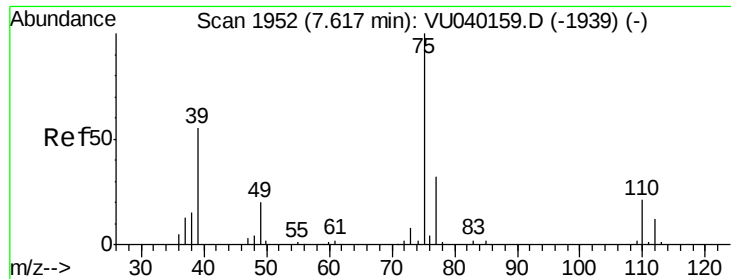
Tot Ion: 63 Resp: 68719
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.2 4.8



#38
 Bromodichloromethane
 Concen: 5.184 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040176.D
 Acq: 17 Sep 2020 10:32

Tgt Ion: 83 Resp: 94161
 Ion Ratio Lower Upper
 83 100
 85 65.7 45.1 83.9
 127 8.0 6.7 10.1

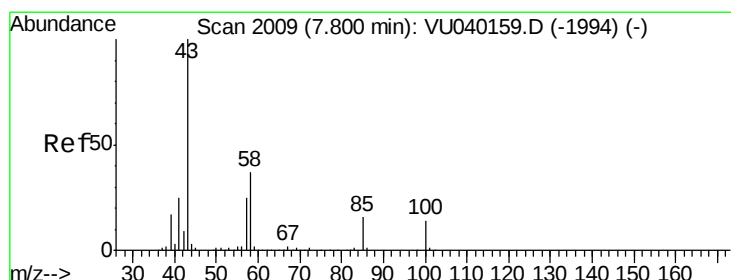
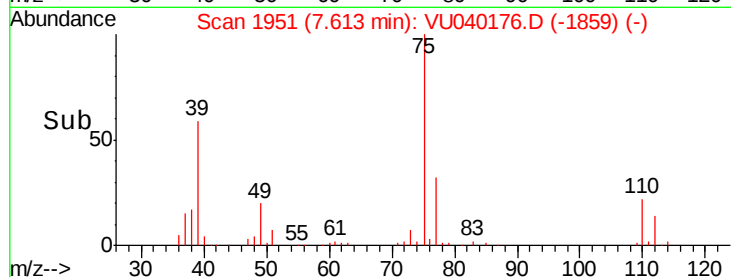
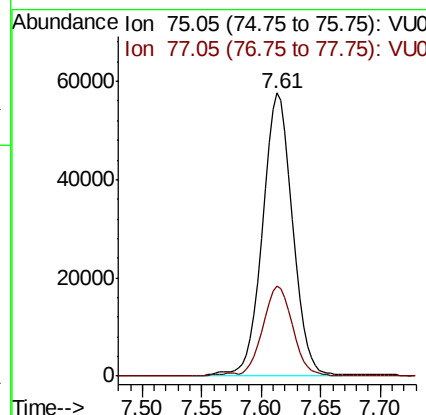
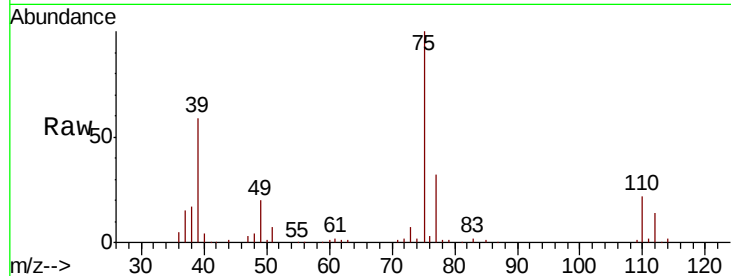




#39
 cis-1,3-Dichloropropene
 Concen: 5.154 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040176.D
 Acq: 17 Sep 2020 10:32

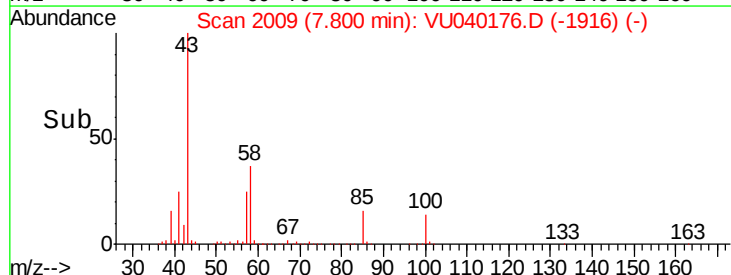
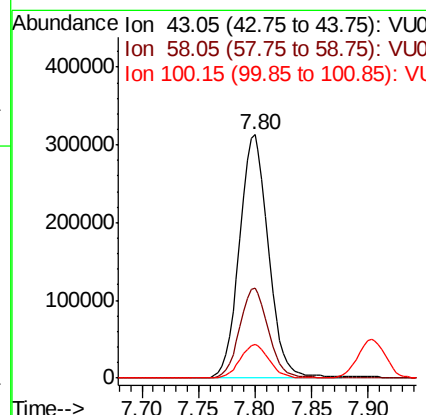
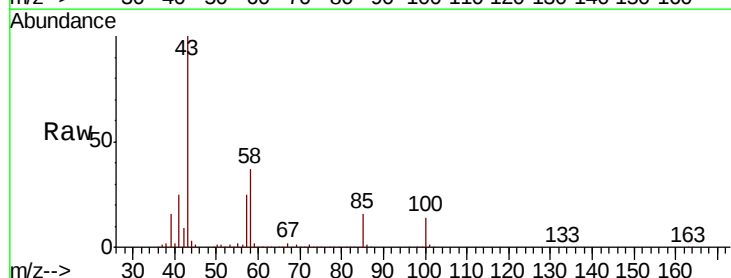
Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P6DL

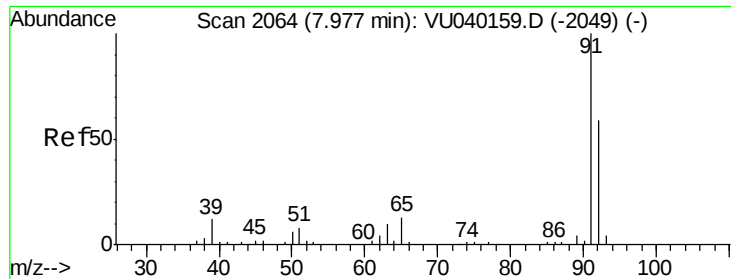
Tot Ion: 75 Resp: 101152
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 51.279 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040176.D
 Acq: 17 Sep 2020 10:32

Tgt Ion: 43 Resp: 559872
 Ion Ratio Lower Upper
 43 100
 58 36.6 28.7 43.1
 100 13.8 10.2 15.2





#42

Toluene

Concen: 5.401 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040176.D

Acq: 17 Sep 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

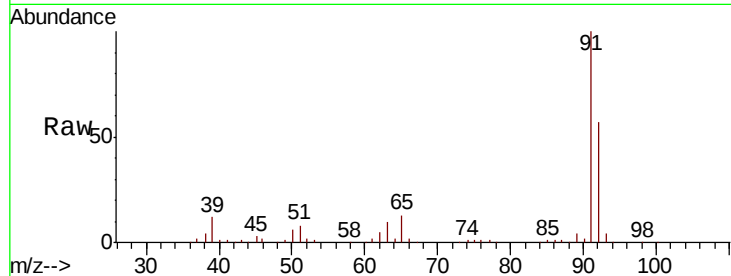
BG0P6DL

Tot Ion: 91 Resp: 273347

Ion Ratio Lower Upper

91 100

92 56.6 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040159.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040159.D (-2049) (-)

7.97

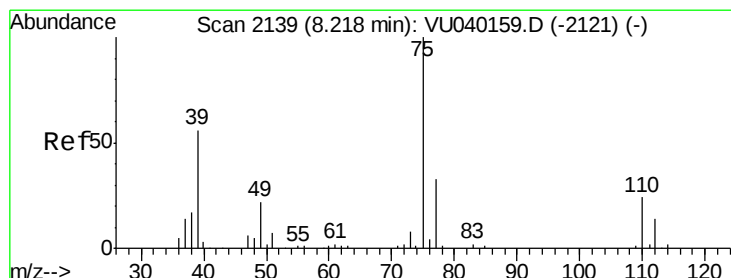
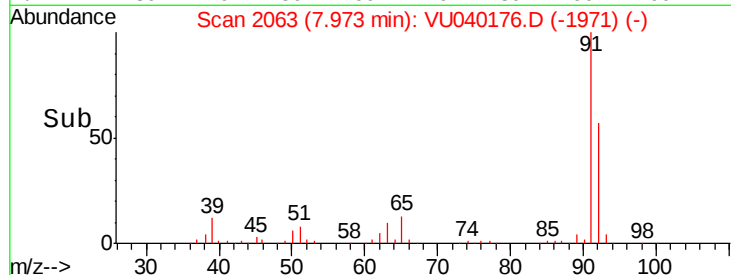
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.164 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040176.D

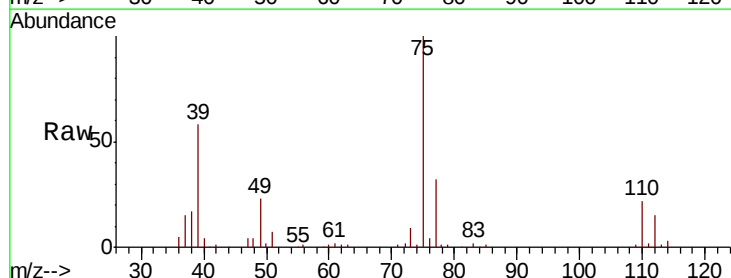
Acq: 17 Sep 2020 10:32

Tgt Ion: 75 Resp: 93914

Ion Ratio Lower Upper

75 100

77 31.8 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU040159.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU040159.D (-2121) (-)

8.21

60000

50000

40000

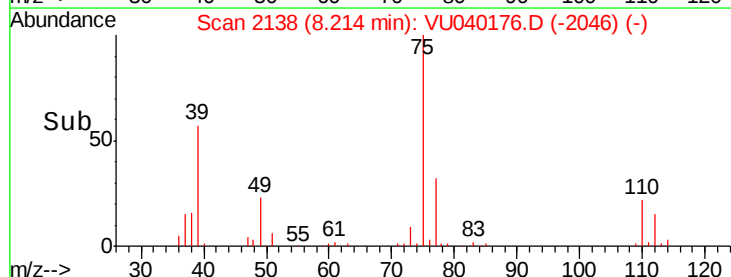
30000

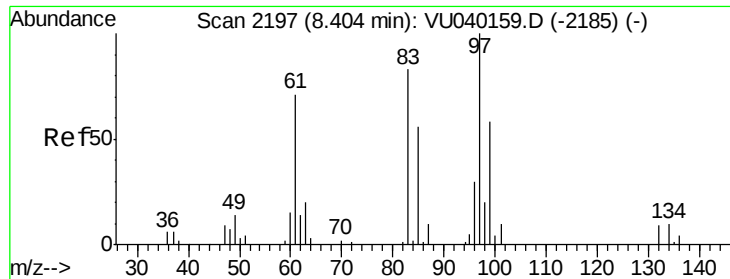
20000

10000

0

Time-->

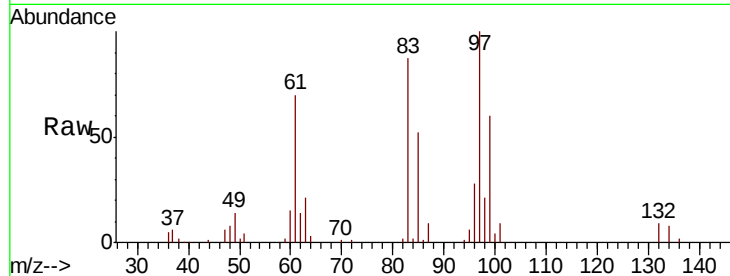




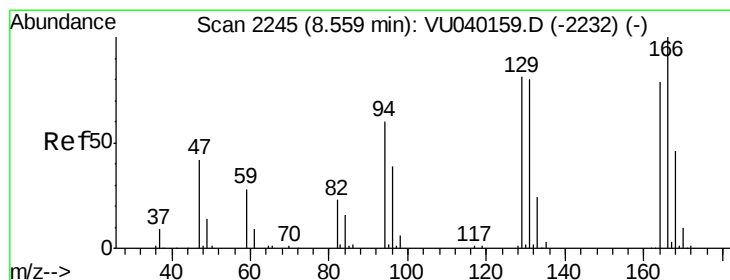
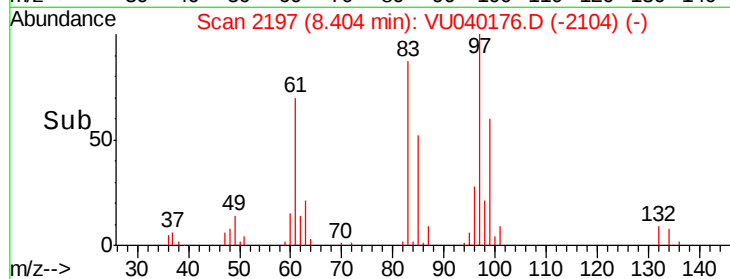
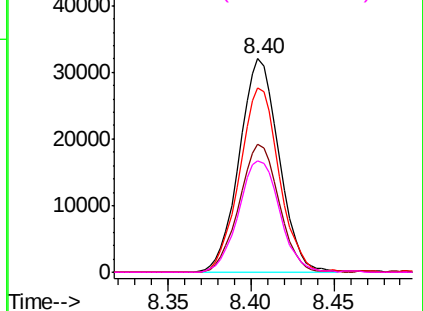
#45
 1,1,2-Trichloroethane
 Concen: 5.512 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040176.D
 Acq: 17 Sep 2020 10:32

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P6DL

Tot Ion:	97	Resp:	53431
Ion	Ratio	Lower	Upper
97	100		
99	59.7	43.0	79.8
83	86.5	61.7	114.7
85	52.1	39.3	73.1

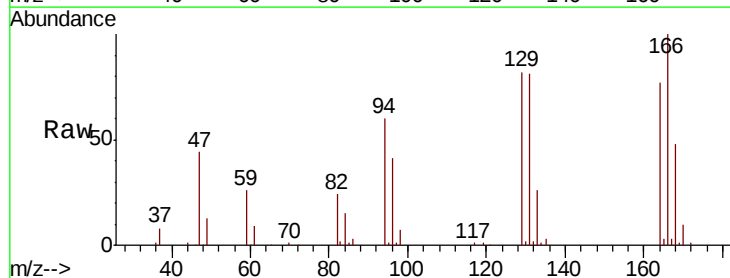


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

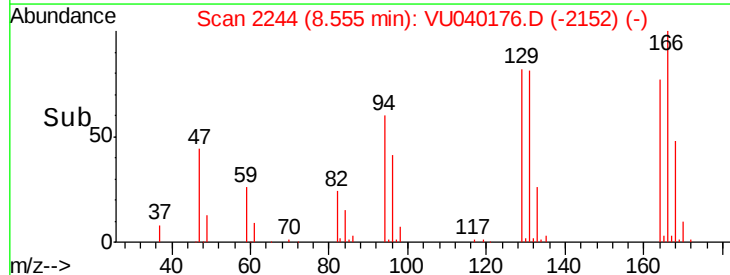
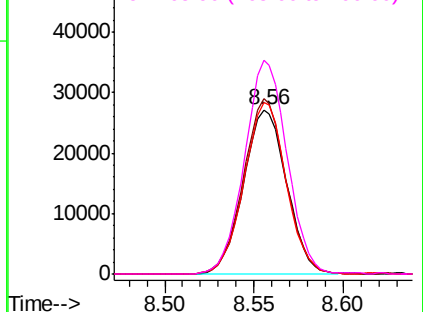


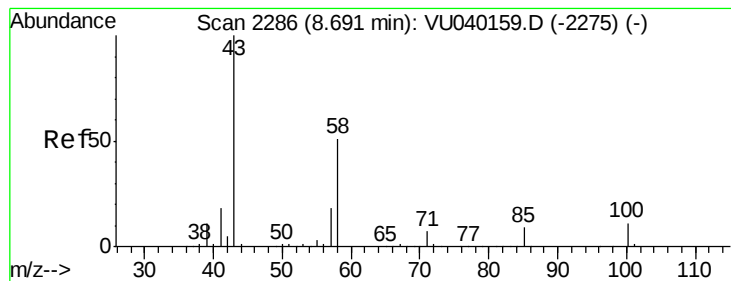
#47
 Tetrachloroethene
 Concen: 5.287 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040176.D
 Acq: 17 Sep 2020 10:32

Tgt Ion:	164	Resp:	45779
Ion	Ratio	Lower	Upper
164	100		
129	107.0	71.5	132.7
131	105.0	65.9	122.5
166	130.3	87.3	162.1



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





#48

2-Hexanone

Concen: 52.406 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VU040176.D

Acq: 17 Sep 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

BG0P6DL

Tot Ion: 43 Resp: 417365

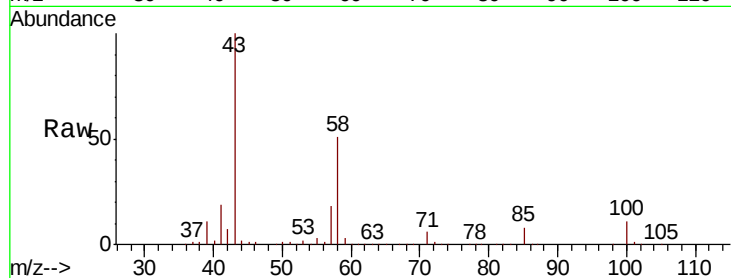
Ion Ratio Lower Upper

43 100

58 50.0 39.6 59.4

57 17.2 14.3 21.5

100 10.7 8.0 12.0

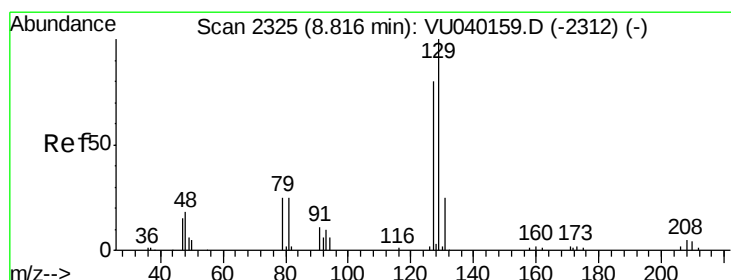
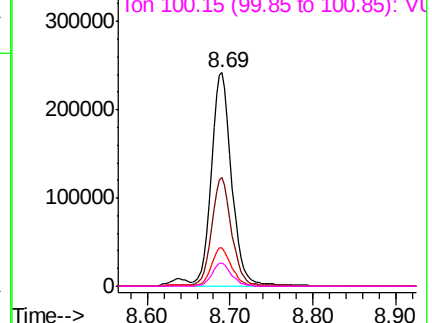
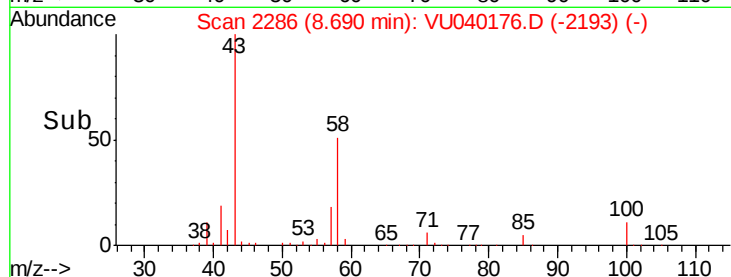


Abundance Ion 43.05 (42.75 to 43.75): VU040159.D (-2275) (-)

Ion 58.05 (57.75 to 58.75): VU040159.D (-2275) (-)

Ion 57.20 (56.90 to 57.90): VU040159.D (-2275) (-)

Ion 100.15 (99.85 to 100.85): VU040159.D (-2275) (-)



#49

Dibromochloromethane

Concen: 5.283 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU040176.D

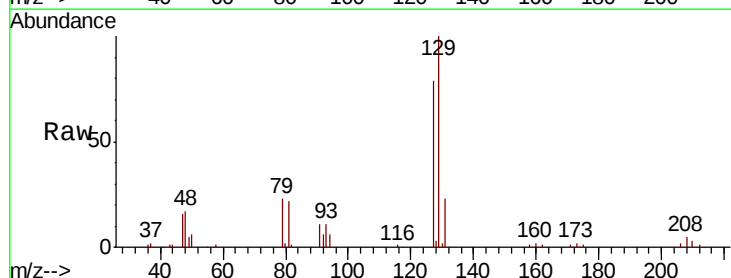
Acq: 17 Sep 2020 10:32

Tgt Ion: 129 Resp: 61472

Ion Ratio Lower Upper

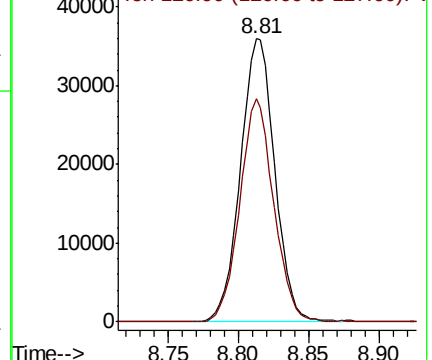
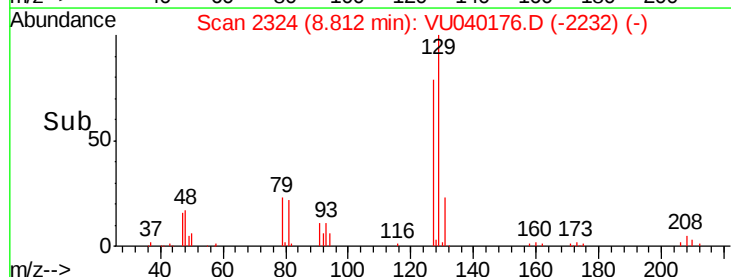
129 100

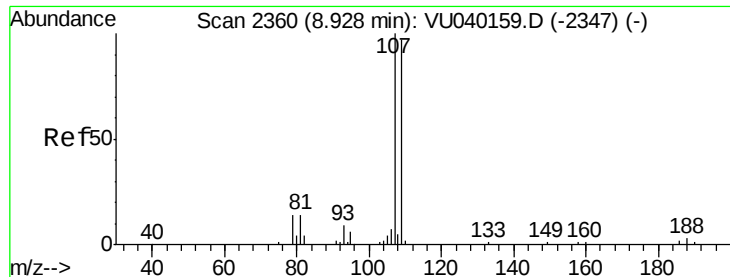
127 78.7 53.7 99.7



Abundance Ion 128.95 (128.65 to 129.65): VU040159.D (-2312) (-)

Ion 126.90 (126.60 to 127.60): VU040159.D (-2312) (-)

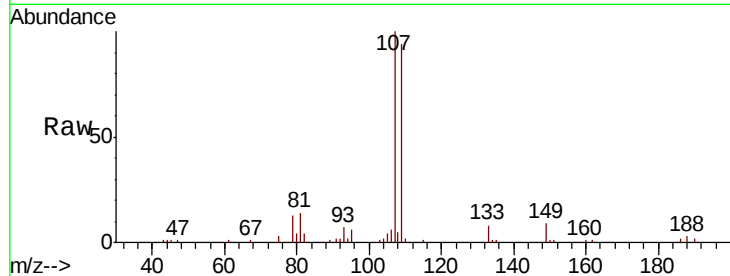




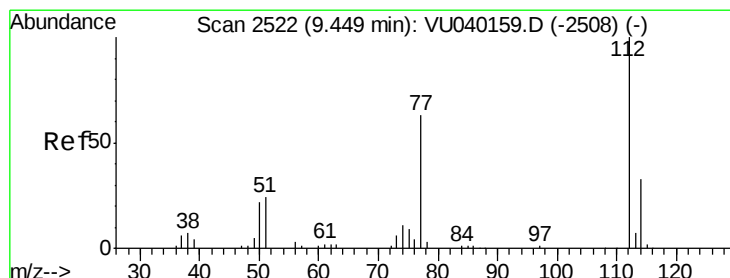
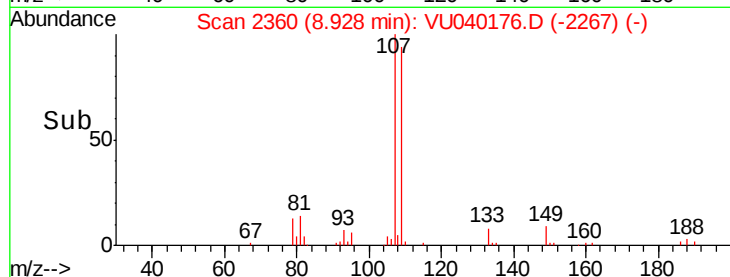
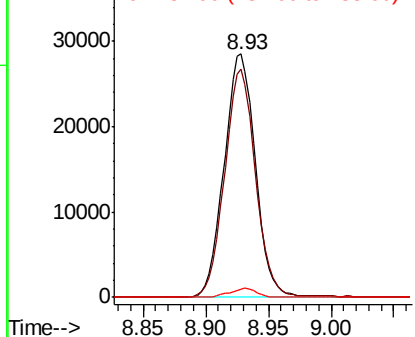
#50
1,2-Dibromoethane
Concen: 5.281 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU040176.D
Acq: 17 Sep 2020 10:32

Instrument :
MSVOA_U
ClientSampleId :
BG0P6DL

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	62.4	115.8
188	3.2	2.3	3.5

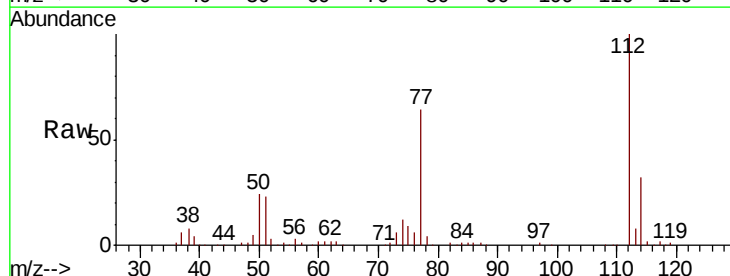


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

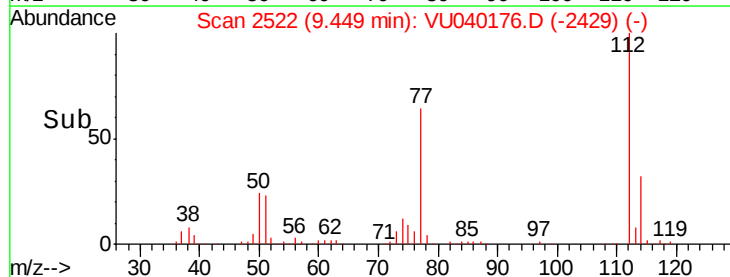
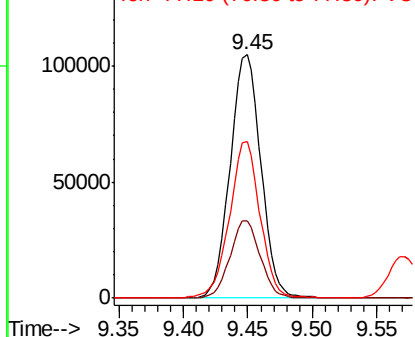


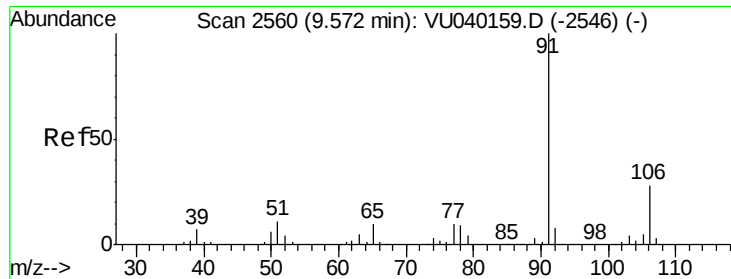
#51
Chlorobenzene
Concen: 5.536 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040176.D
Acq: 17 Sep 2020 10:32

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.7	42.3
77	64.5	53.2	79.8



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): V

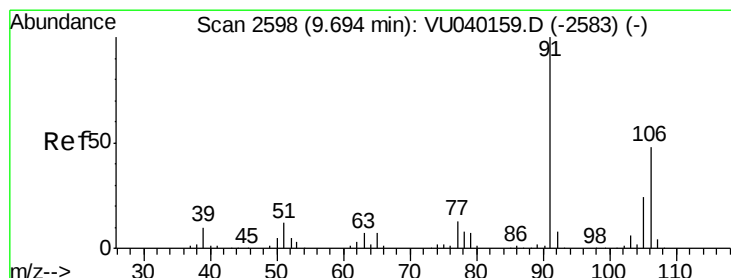
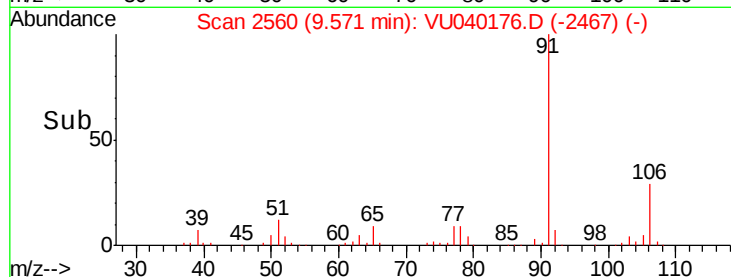
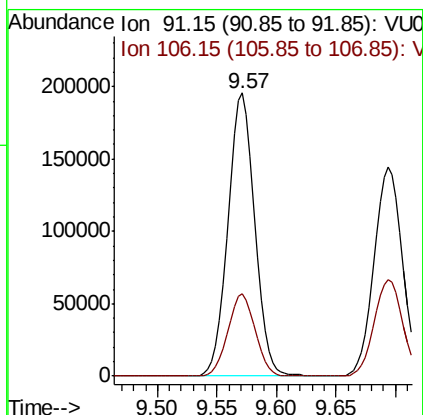
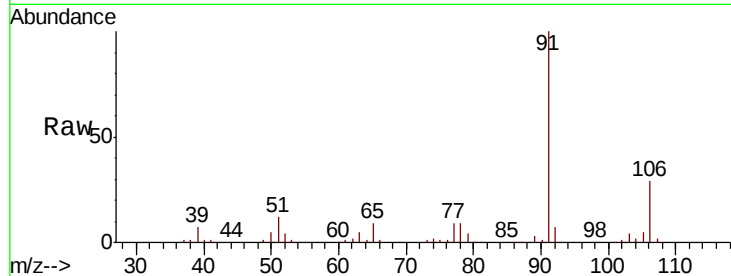




#52
Ethylbenzene
Concen: 5.305 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040176.D
Acq: 17 Sep 2020 10:32

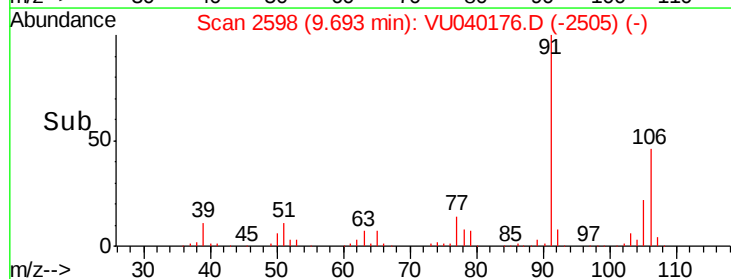
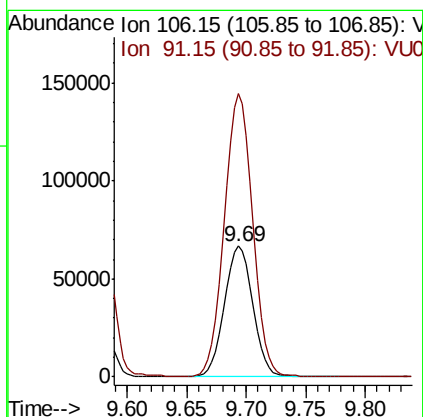
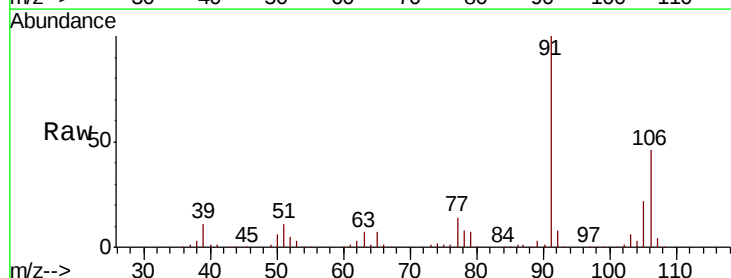
Instrument :
MSVOA_U
ClientSampleId :
BG0P6DL

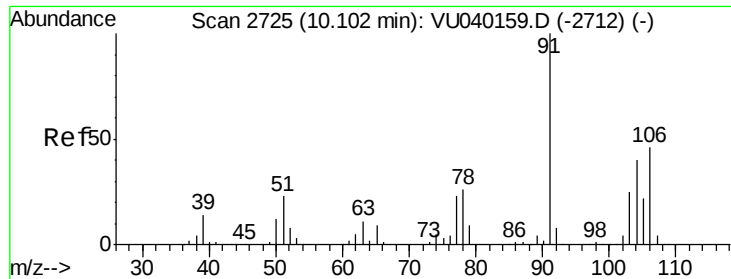
Tot Ion: 91 Resp: 305082
Ion Ratio Lower Upper
91 100
106 29.0 21.0 39.0



#53
m,p-Xylene
Concen: 5.411 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040176.D
Acq: 17 Sep 2020 10:32

Tgt Ion: 106 Resp: 110778
Ion Ratio Lower Upper
106 100
91 216.9 151.7 281.7

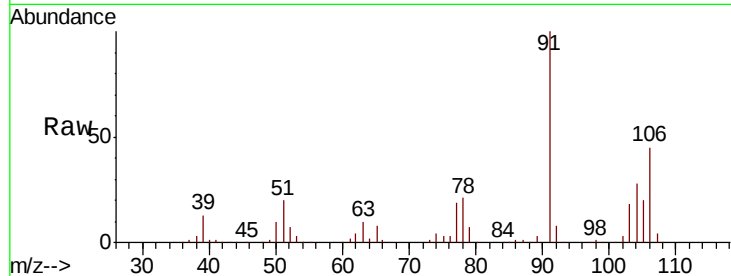




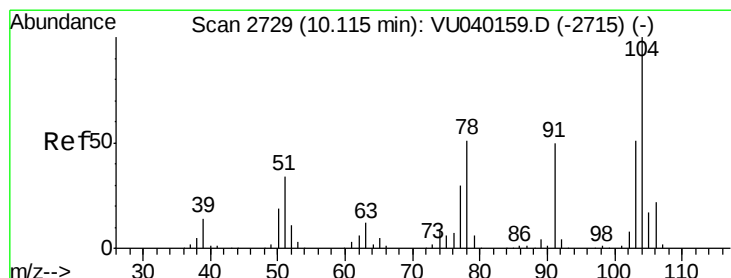
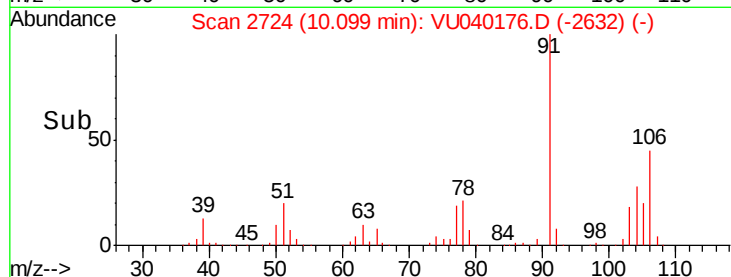
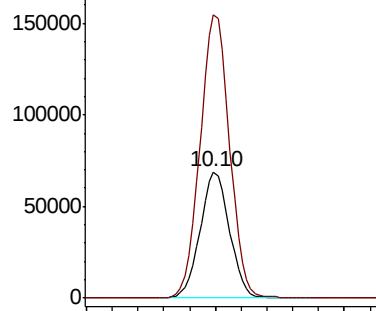
#54
o-Xylene
Concen: 5.585 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040176.D
Acq: 17 Sep 2020 10:32

Instrument :
MSVOA_U
ClientSampleId :
BG0P6DL

Tot Ion:106 Resp: 108952
Ion Ratio Lower Upper
106 100
91 224.5 160.8 298.6

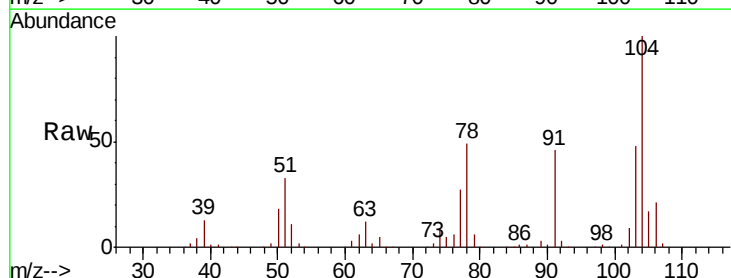


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

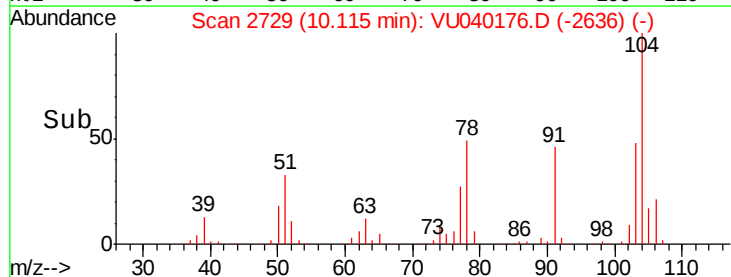
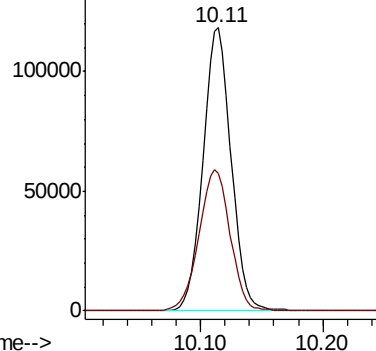


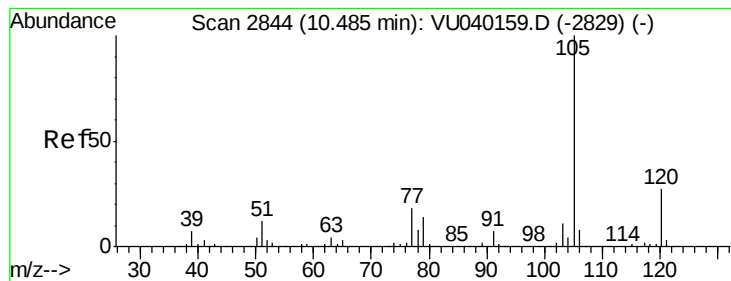
#55
Styrene
Concen: 5.596 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040176.D
Acq: 17 Sep 2020 10:32

Tgt Ion:104 Resp: 189870
Ion Ratio Lower Upper
104 100
78 48.6 36.8 68.3



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





#56

Isopropylbenzene

Concen: 5.561 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040176.D

Acq: 17 Sep 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

BG0P6DL

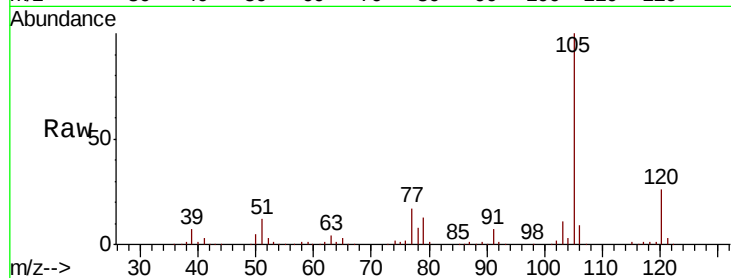
Tot Ion:105 Resp: 295860

Ion Ratio Lower Upper

105 100

120 25.8 20.1 30.1

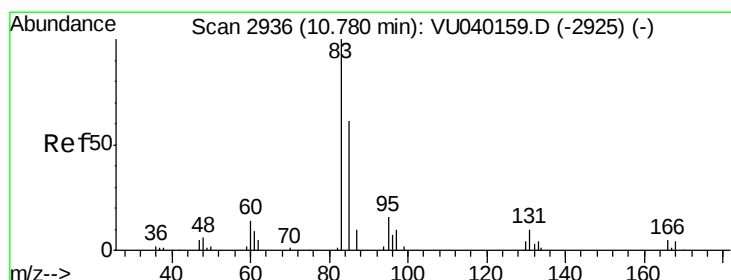
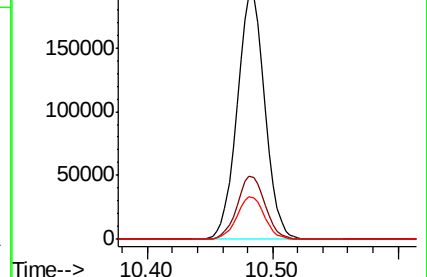
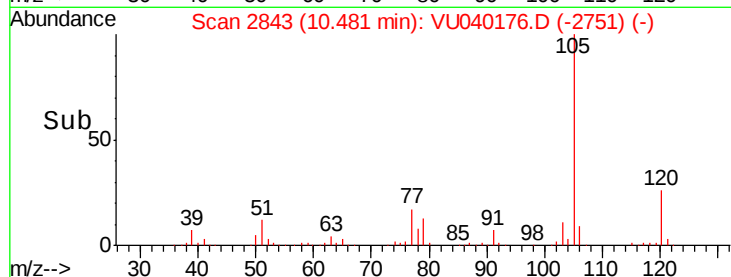
77 17.2 14.4 21.6



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: 5.245 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040176.D

Acq: 17 Sep 2020 10:32

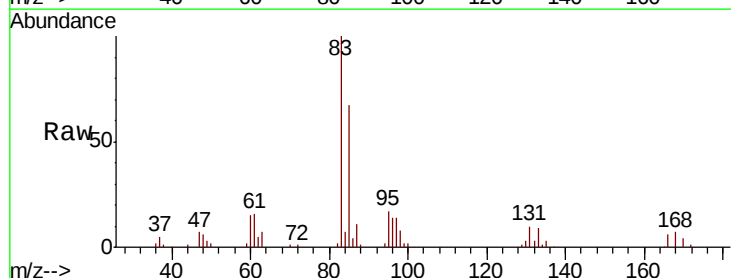
Tgt Ion: 83 Resp: 65200

Ion Ratio Lower Upper

83 100

85 67.3 44.9 83.3

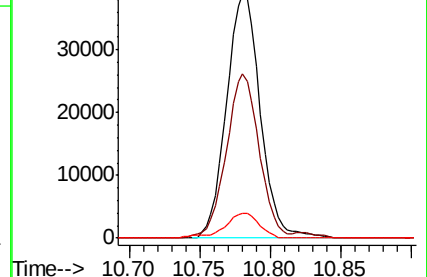
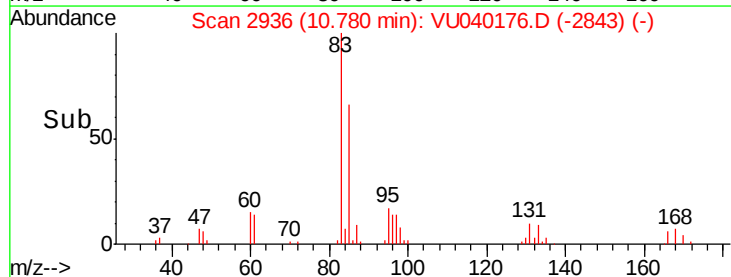
131 10.4 7.4 11.0

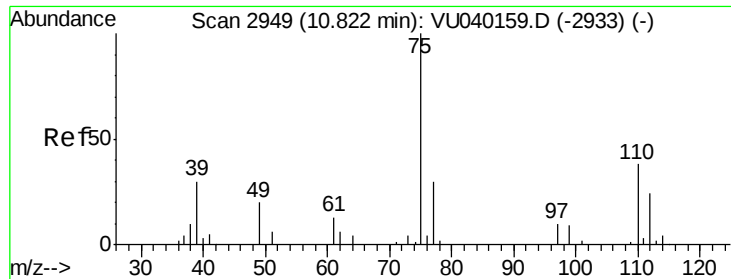


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.054 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU040176.D

Acq: 17 Sep 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

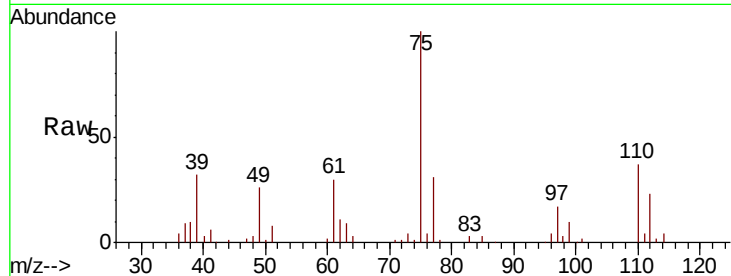
BG0P6DL

Tot Ion: 75 Resp: 49826

Ion Ratio Lower Upper

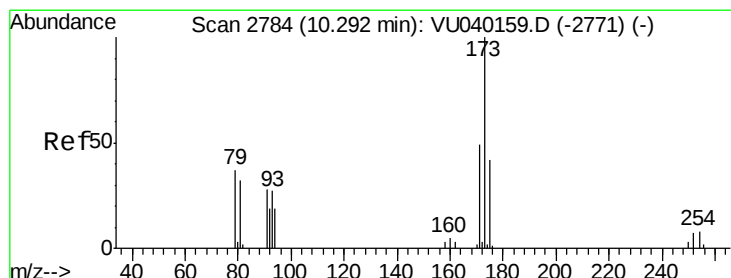
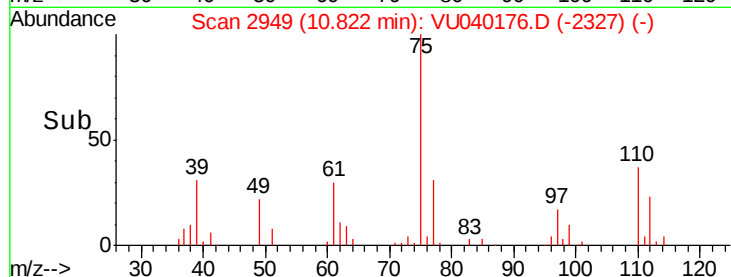
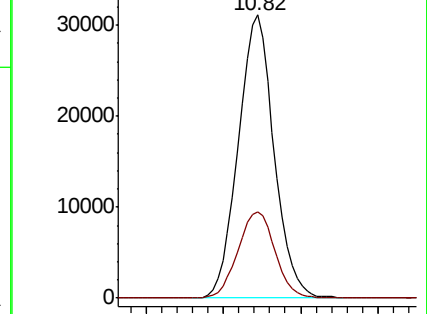
75 100

77 31.7 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU040159.D (-2933) (-)

Ion 77.00 (76.70 to 77.70): VU040159.D (-2933) (-)



#61

Bromoform

Concen: 5.013 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040176.D

Acq: 17 Sep 2020 10:32

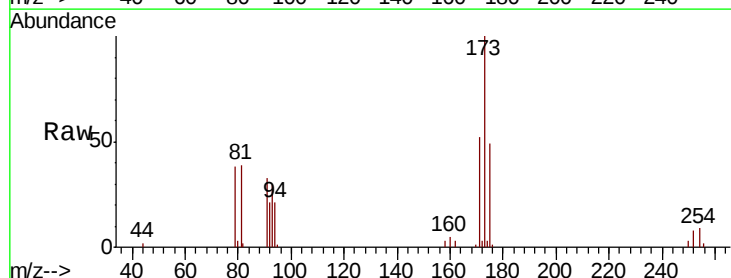
Tgt Ion: 173 Resp: 31329

Ion Ratio Lower Upper

173 100

175 47.7 37.8 56.6

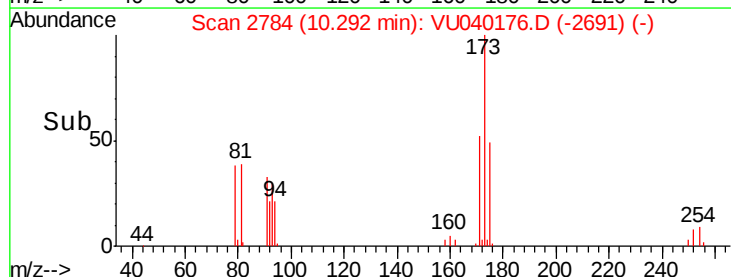
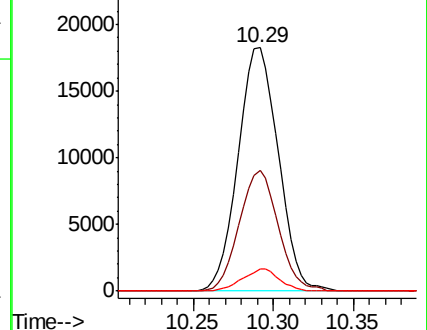
254 8.3 6.8 10.2

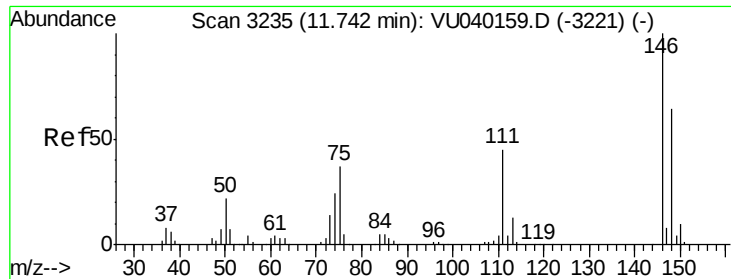


Abundance Ion 172.90 (172.60 to 173.60): VU040159.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040159.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040159.D (-2771) (-)

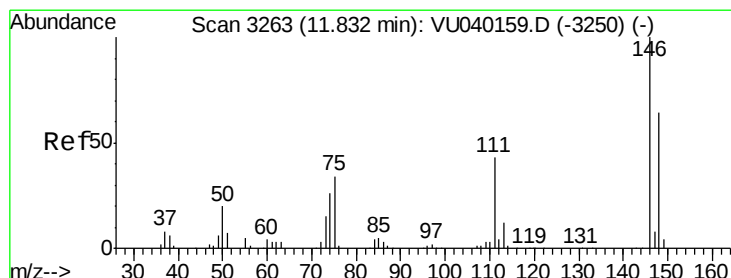
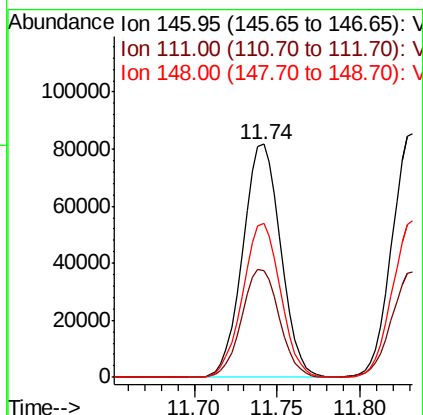
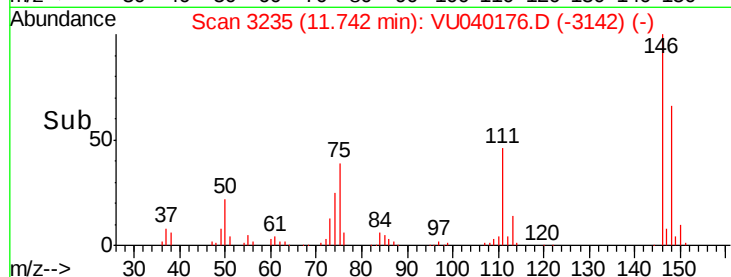
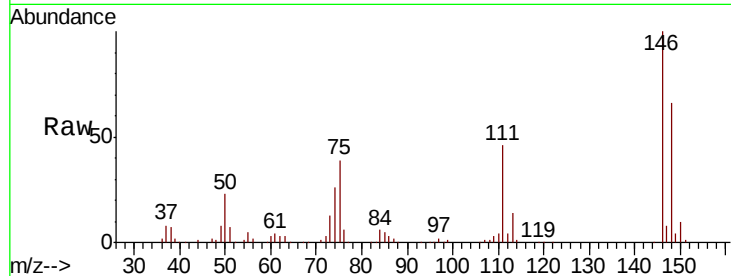




#62
 1,3-Dichlorobenzene
 Concen: 5.235 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040176.D
 Acq: 17 Sep 2020 10:32

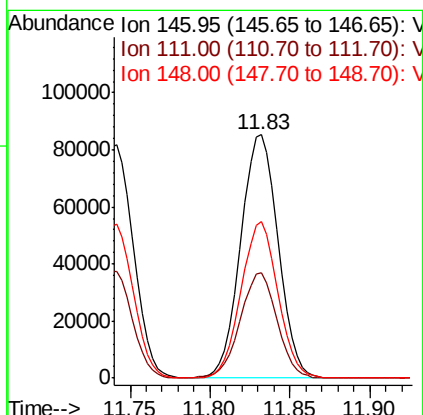
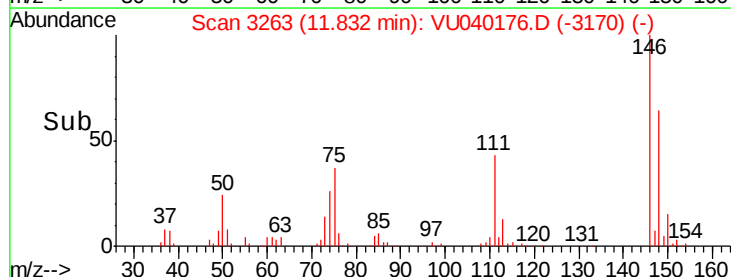
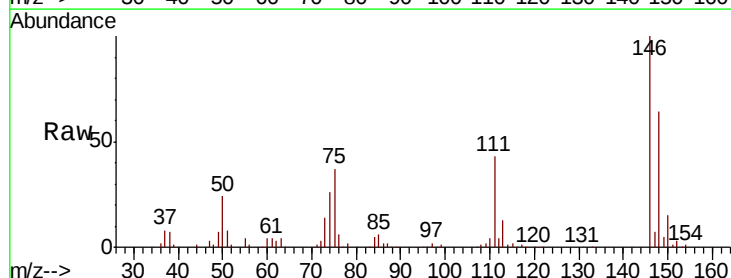
Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P6DL

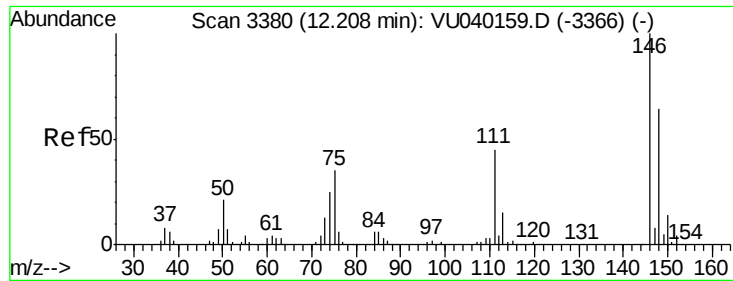
Tot Ion:146 Resp: 130380
 Ion Ratio Lower Upper
 146 100
 111 45.5 31.6 58.8
 148 66.3 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 5.407 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040176.D
 Acq: 17 Sep 2020 10:32

Tgt Ion:146 Resp: 136275
 Ion Ratio Lower Upper
 146 100
 111 43.2 30.5 56.7
 148 64.1 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 5.273 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040176.D

Acq: 17 Sep 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

BG0P6DL

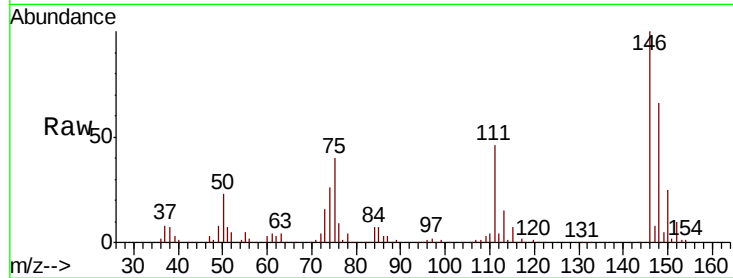
Tot Ion:146 Resp: 127081

Ion Ratio Lower Upper

146 100

111 46.3 36.5 54.7

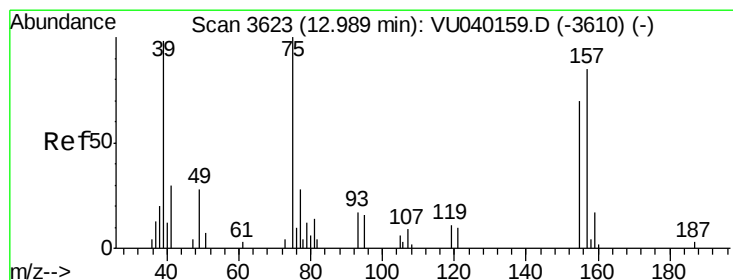
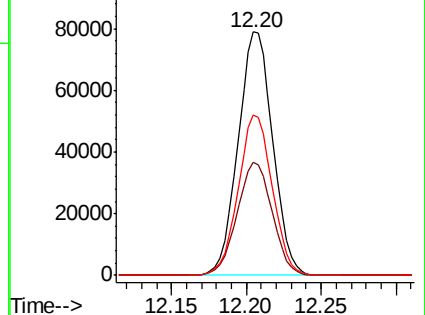
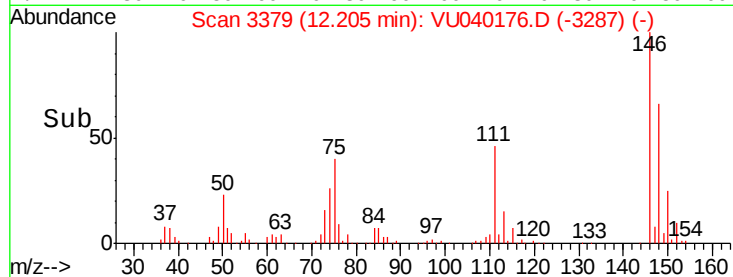
148 65.7 48.6 72.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.441 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040176.D

Acq: 17 Sep 2020 10:32

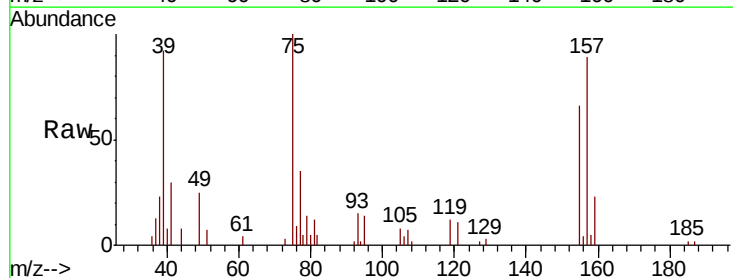
Tgt Ion: 75 Resp: 11447

Ion Ratio Lower Upper

75 100

155 65.6 54.6 82.0

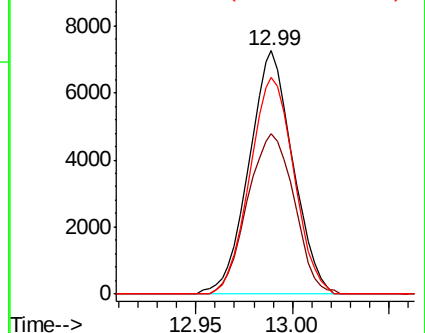
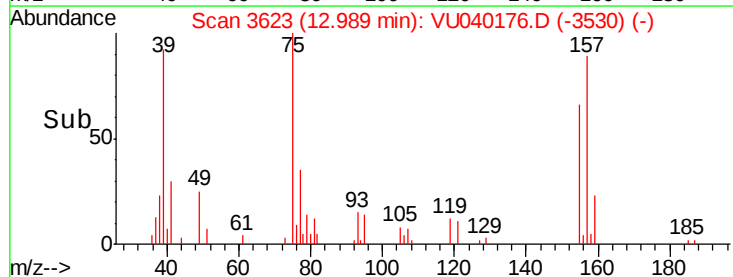
157 88.9 75.6 113.4

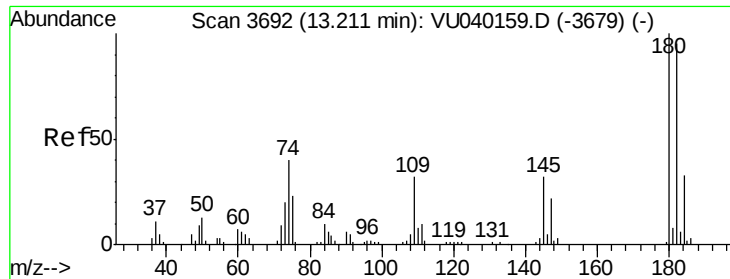


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

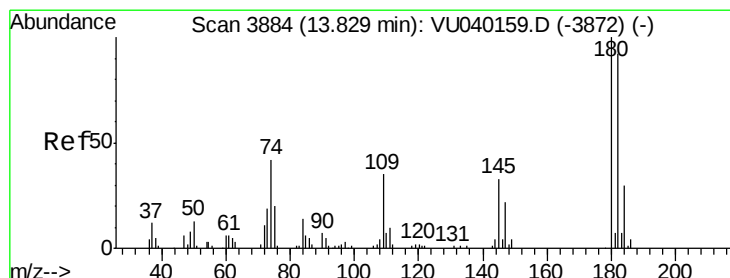
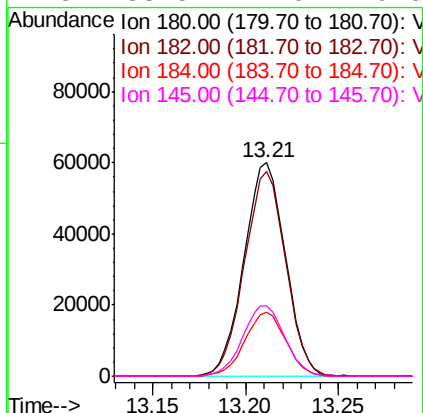
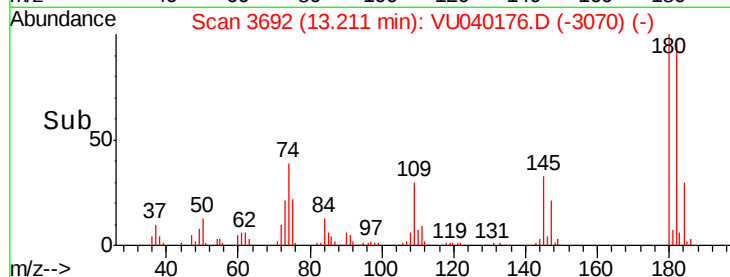
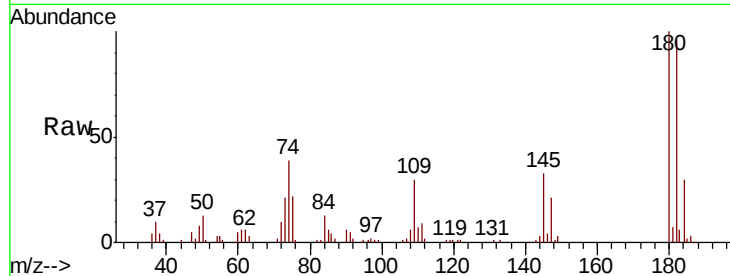




#67
 1,3,5-Trichlorobenzene
 Concen: 5.316 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040176.D
 Acq: 17 Sep 2020 10:32

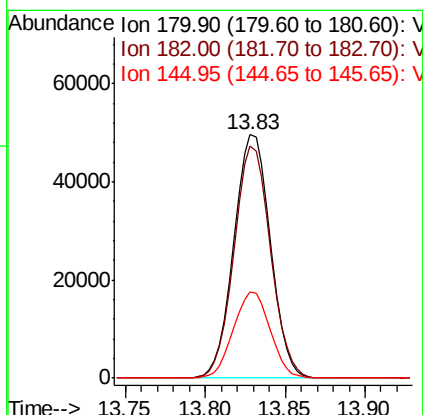
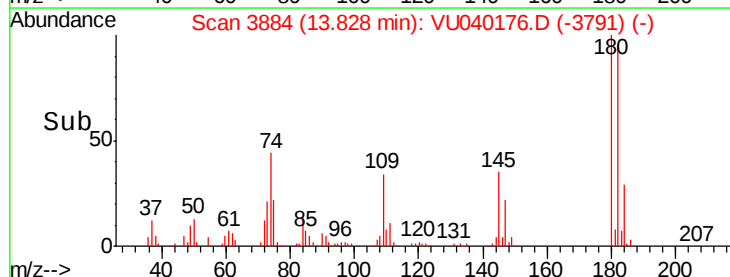
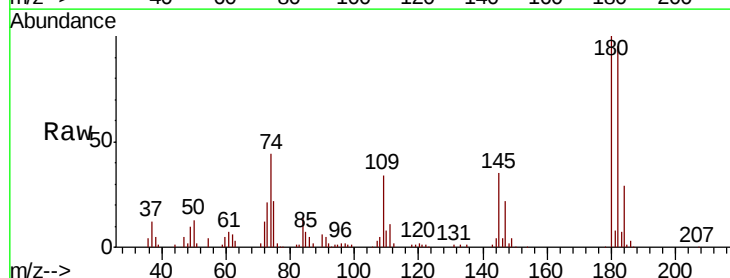
Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P6DL

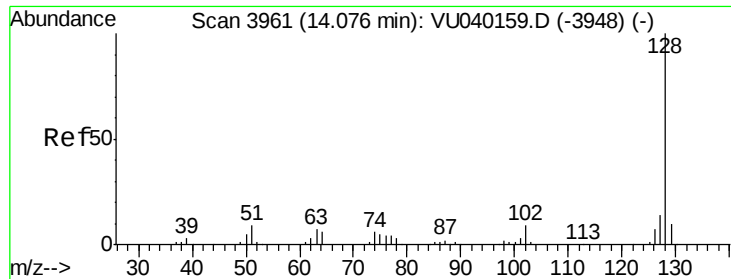
Tot Ion:180 Resp: 93089
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.9 115.3
 184 29.6 24.6 36.8
 145 33.5 27.0 40.6



#68
 1,2,4-trichlorobenzene
 Concen: 5.108 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040176.D
 Acq: 17 Sep 2020 10:32

Tgt Ion:180 Resp: 77048
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.0 114.0
 145 35.6 28.4 42.6





#69

Naphthalene

Concen: 4.818 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040176.D

Acq: 17 Sep 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

BG0P6DL

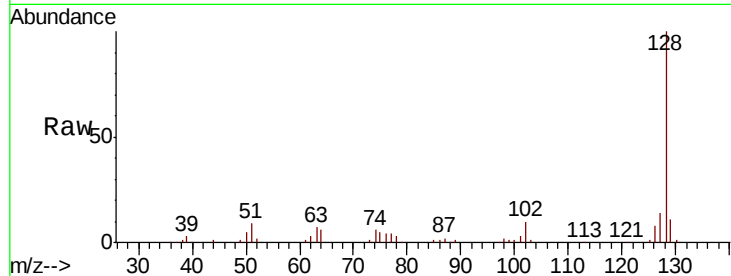
Tot Ion:128 Resp: 151482

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

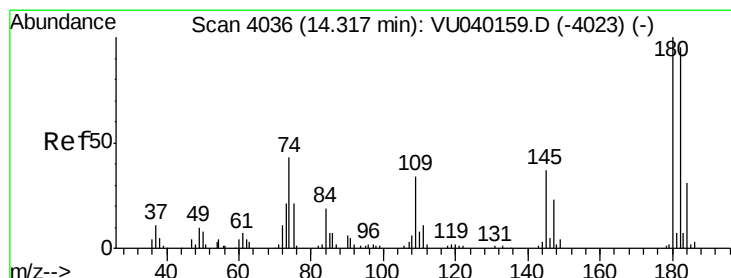
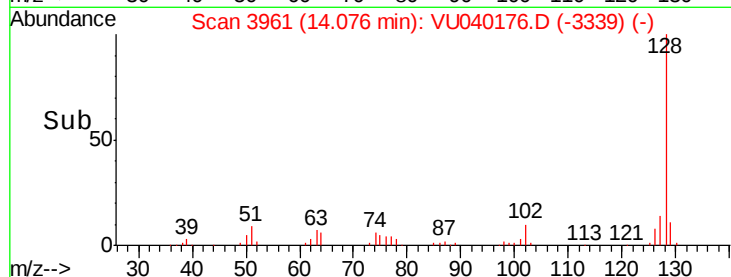
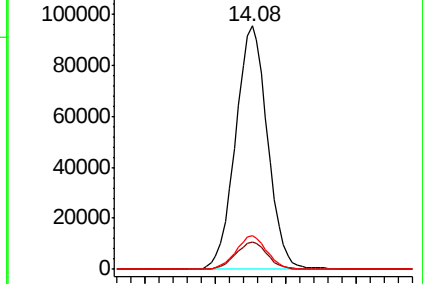
127 13.3 10.7 16.1



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: 4.990 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040176.D

Acq: 17 Sep 2020 10:32

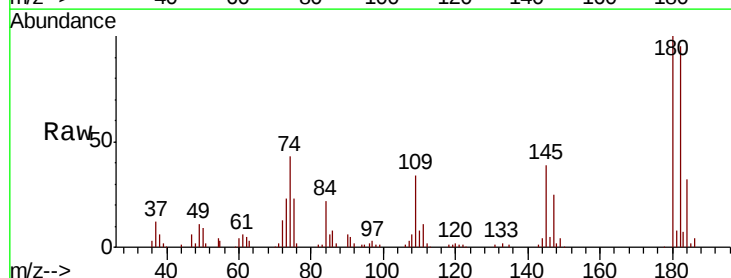
Tgt Ion:180 Resp: 69137

Ion Ratio Lower Upper

180 100

182 95.3 77.8 116.6

145 37.9 28.7 43.1



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

