

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082420\
 Data File : VU039956.D
 Acq On : 24 Aug 2020 19:00
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 25 02:06:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 25 02:02:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	73561	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	69205	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	36371	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27373	4.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.20%
7) Chloroethane-d5	1.92	69	23216	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.58	63	55782	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.80%
20) 2-Butanone-d5	4.66	46	84575	41.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.38%
24) Chloroform-d	5.08	84	55711	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.72	65	31902	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.75	84	104993	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.70	67	33999	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.91	98	94760	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
43) trans-1,3-Dichloropropene-	8.19	79	13919	4.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.60%
46) 2-Hexanone-d5	8.64	63	63836	44.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.22%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26342	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	35547	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	36269	4.743	ug/L	97
3) Chloromethane	1.53	50	35915	4.152	ug/L	94
5) Vinyl chloride	1.61	62	37133	4.537	ug/L	96
6) Bromomethane	1.87	94	18696	4.001	ug/L	98
8) Chloroethane	1.94	64	23787	4.545	ug/L	95
9) Trichlorofluoromethane	2.15	101	59217	4.837	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	31192	4.632	ug/L	96
12) 1,1-Dichloroethene	2.59	96	27626	4.294	ug/L	91
13) Acetone	2.66	43	63195	45.039	ug/L #	49
14) Carbon disulfide	2.81	76	92664	4.456	ug/L	99
15) Methyl Acetate	2.97	43	15679	4.353	ug/L	98
16) Methylene chloride	3.06	84	36105	4.081	ug/L	97
17) Methyl tert-butyl Ether	3.39	73	80388	4.955	ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	32494	4.863	ug/L	95
19) 1,1-Dichloroethane	3.89	63	63165	5.099	ug/L	98
21) 2-Butanone	4.73	43	104305	42.783	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	34761	4.969	ug/L	99

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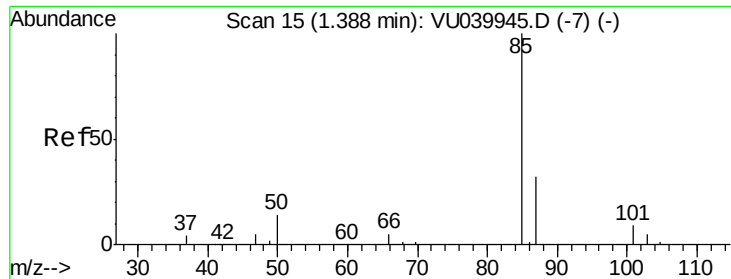
Instrument :
 MSVOA_U
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.99	128	15991	4.860	ug/L	93
25) Chloroform	5.11	83	66846	5.324	ug/L	99
27) 1,2-Dichloroethane	5.81	62	45344	5.147	ug/L #	94
29) 1,1,1-Trichloroethane	5.33	97	56324	5.533	ug/L	98
30) Cyclohexane	5.41	56	53412	5.300	ug/L	99
31) Carbon tetrachloride	5.54	117	49406	5.497	ug/L	99
33) Benzene	5.79	78	132274	5.259	ug/L	100
34) Trichloroethene	6.56	95	33983	5.207	ug/L	96
35) Methylcyclohexane	6.77	83	50659	5.067	ug/L	96
37) 1,2-Dichloropropane	6.80	63	35907	5.372	ug/L #	96
38) Bromodichloromethane	7.12	83	46842	5.515	ug/L	100
39) cis-1,3-Dichloropropene	7.62	75	48323	5.173	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	249494	47.137	ug/L	98
42) Toluene	7.98	91	138098	5.369	ug/L	95
44) trans-1,3-Dichloropropene	8.22	75	43559	4.963	ug/L	95
45) 1,1,2-Trichloroethane	8.41	97	25081	4.939	ug/L	95
47) Tetrachloroethene	8.56	164	26853	5.577	ug/L	93
48) 2-Hexanone	8.69	43	179768	47.395	ug/L	99
49) Dibromochloromethane	8.82	129	31455	5.188	ug/L	97
50) 1,2-Dibromoethane	8.93	107	23483	4.856	ug/L #	100
51) Chlorobenzene	9.45	112	85857	5.112	ug/L	97
52) Ethylbenzene	9.57	91	149388	5.340	ug/L	99
53) m,p-Xylene	9.70	106	56174	5.231	ug/L	98
54) o-Xylene	10.10	106	53258	5.246	ug/L	92
55) Styrene	10.11	104	92970	5.283	ug/L	99
56) Isopropylbenzene	10.48	105	145602	5.351	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	29858	4.553	ug/L	95
59) 1,2,3-Trichloropropane	10.82	75	21473	4.484	ug/L	95
61) Bromoform	10.29	173	16990	5.304	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	70002	5.198	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	70526	5.144	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	65063	5.006	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	5066	4.767	ug/L #	75
67) 1,3,5-Trichlorobenzene	13.21	180	53764	5.376	ug/L	95
68) 1,2,4-trichlorobenzene	13.83	180	45938	5.385	ug/L	99
69) Naphthalene	14.08	128	76713	4.868	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	42416	5.320	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.743 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU039956.D

Acq: 24 Aug 2020 19:00

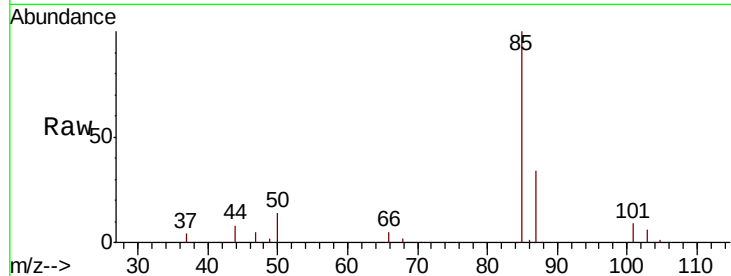
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 36269

Ion Ratio Lower Upper

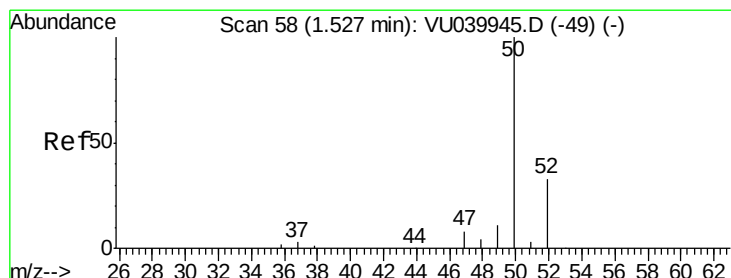
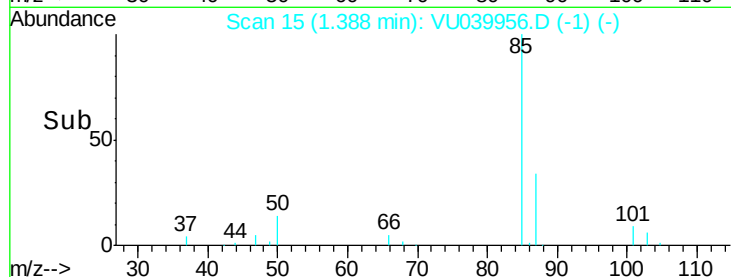
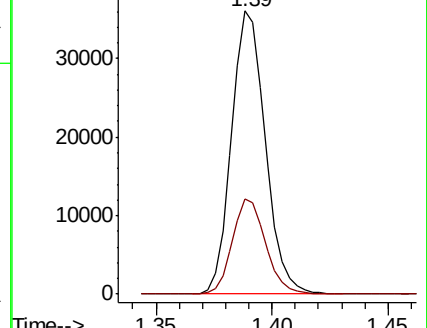
85 100

87 32.9 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039945.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039945.D (-7) (-)



#3

Chloromethane

Concen: 4.152 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039956.D

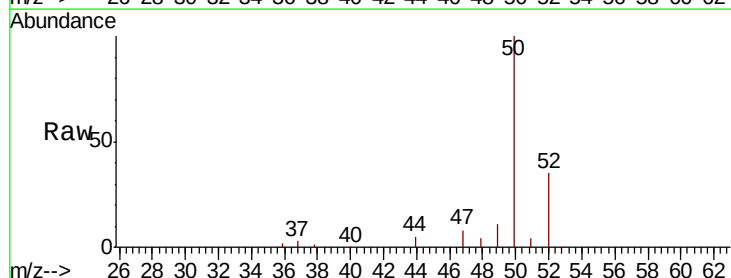
Acq: 24 Aug 2020 19:00

Tgt Ion: 50 Resp: 35915

Ion Ratio Lower Upper

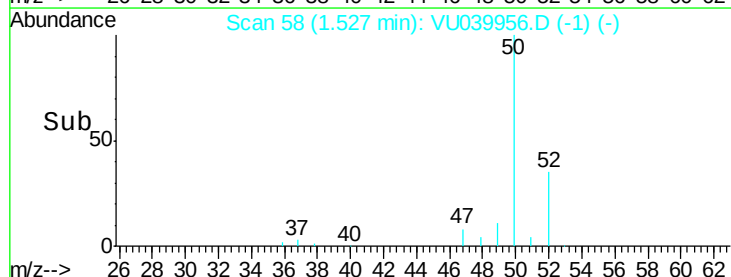
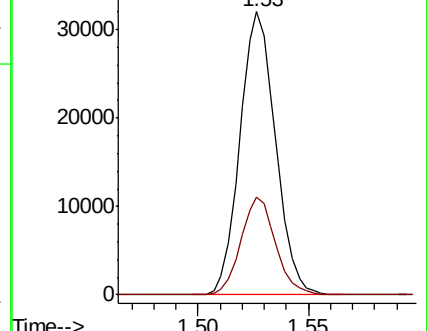
50 100

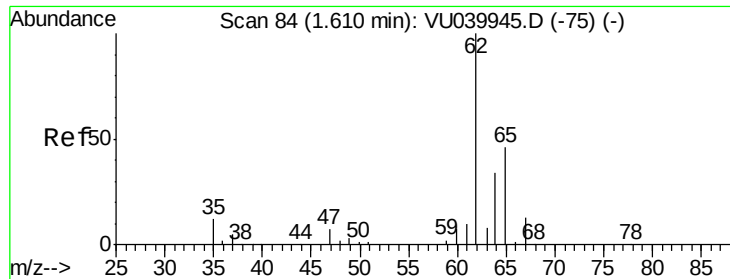
52 34.7 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU039945.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU039945.D (-49) (-)





#5

Vinyl chloride

Concen: 4.537 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039956.D

Acq: 24 Aug 2020 19:00

Instrument :

MSVOA_U

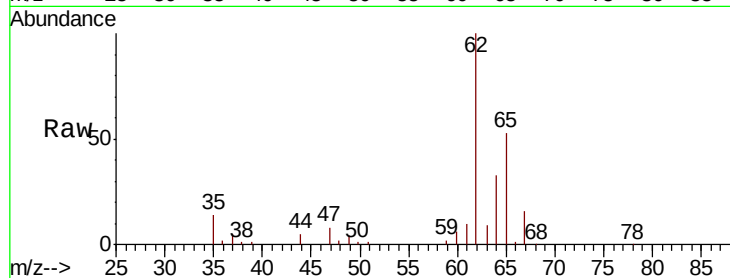
ClientSampleId :

Tot Ion: 62 Resp: 37133

Ion Ratio Lower Upper

62 100

64 33.1 21.6 40.2



Abundance Ion 62.00 (61.70 to 62.70): VU039945.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039945.D (-75) (-)

1.61

30000

20000

10000

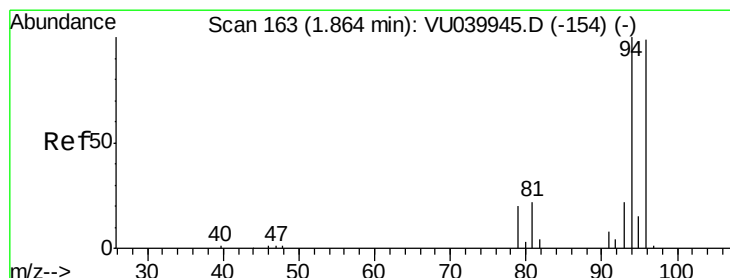
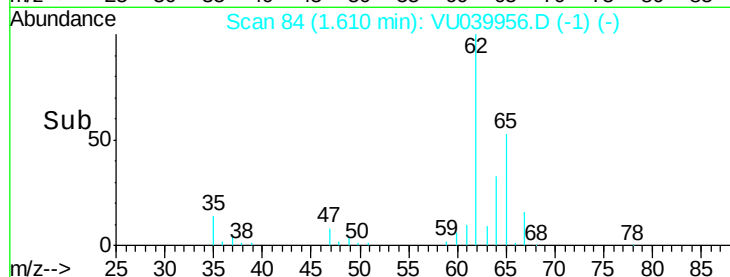
0

Time-->

1.55

1.60

1.65



#6

Bromomethane

Concen: 4.001 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039956.D

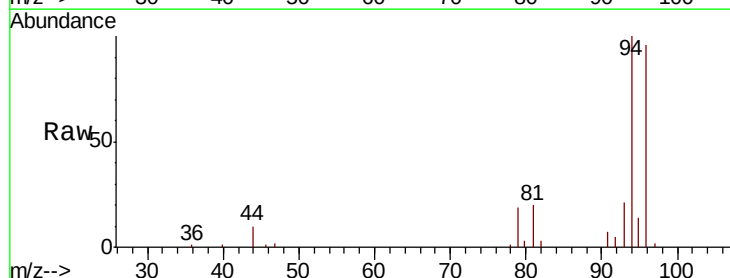
Acq: 24 Aug 2020 19:00

Tgt Ion: 94 Resp: 18696

Ion Ratio Lower Upper

94 100

96 95.8 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU039945.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU039945.D (-154) (-)

1.87

15000

10000

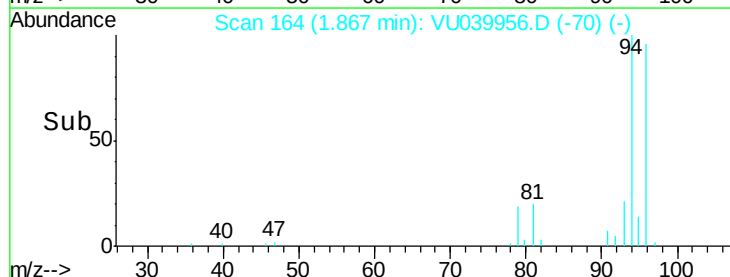
5000

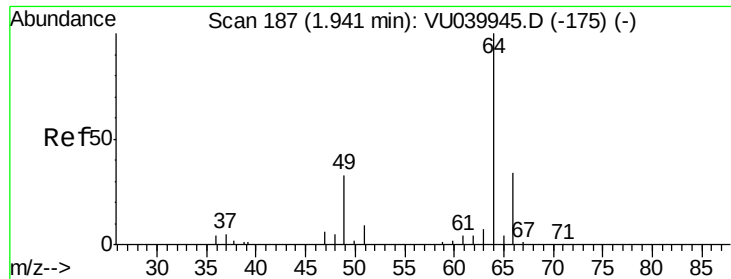
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Time-->

1.85

1.90

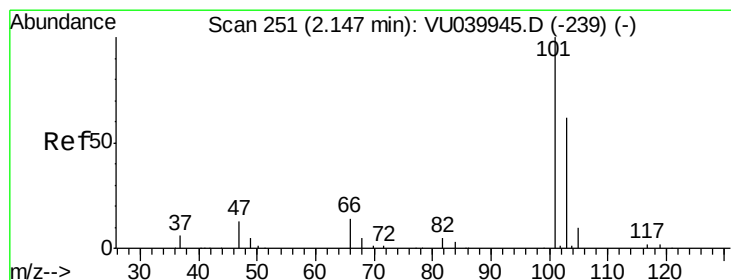
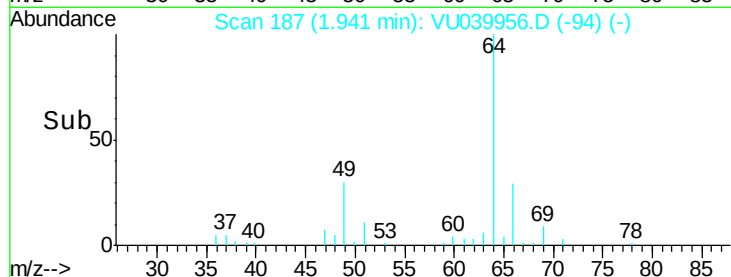
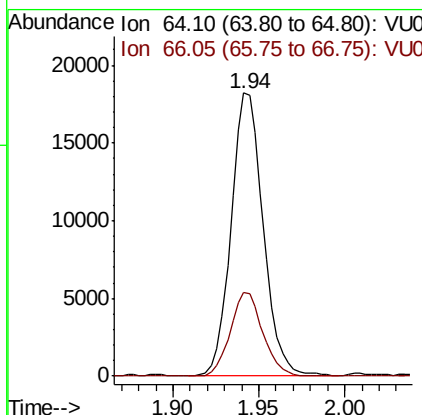
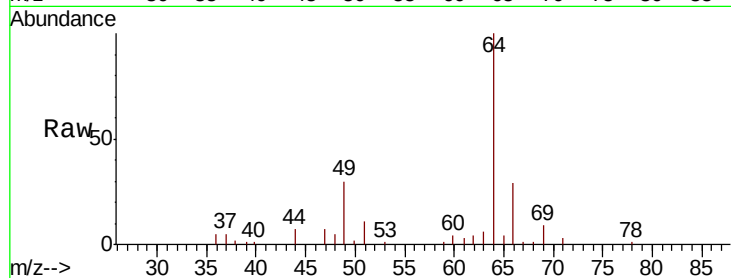




#8
Chloroethane
Concen: 4.545 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU039956.D
Acq: 24 Aug 2020 19:00

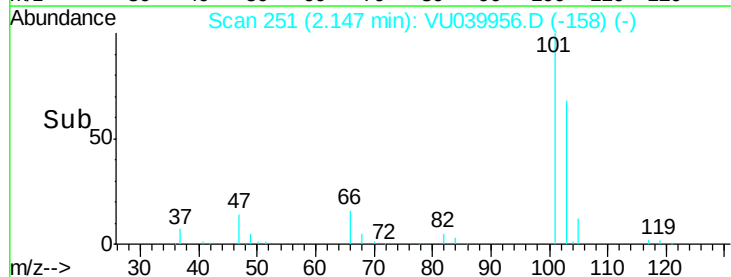
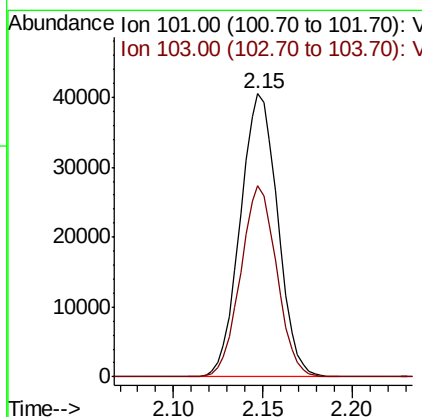
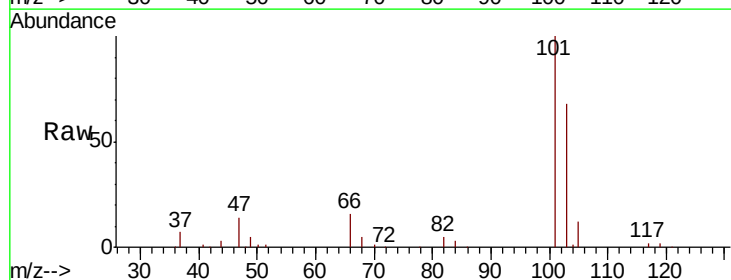
Instrument :
MSVOA_U
ClientSampleId :

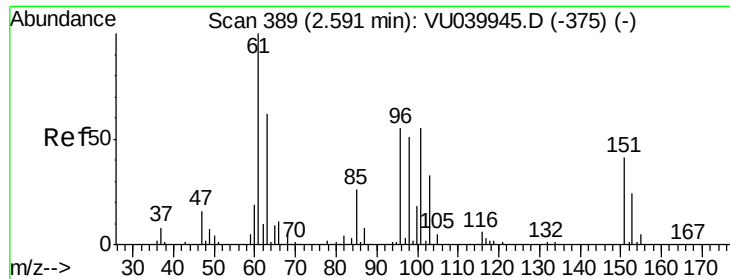
Tot Ion: 64 Resp: 23787
Ion Ratio Lower Upper
64 100
66 29.5 22.6 42.0



#9
Trichlorofluoromethane
Concen: 4.837 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU039956.D
Acq: 24 Aug 2020 19:00

Tgt Ion:101 Resp: 59217
Ion Ratio Lower Upper
101 100
103 65.0 51.0 76.4





#10

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

Concen: 4.632 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039956.D

Acq: 24 Aug 2020 19:00

Instrument :

MSVOA_U

ClientSampled :

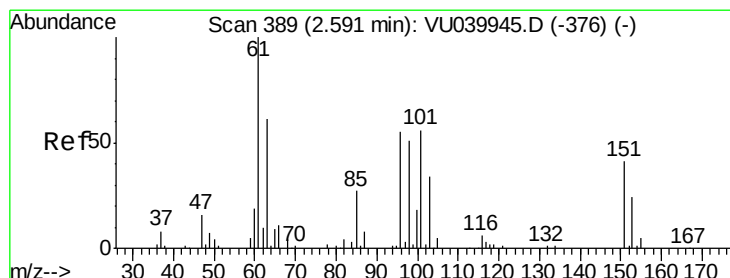
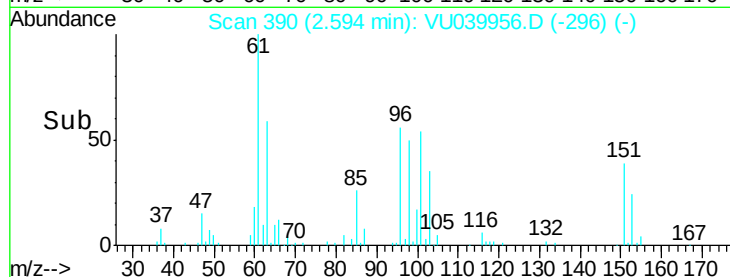
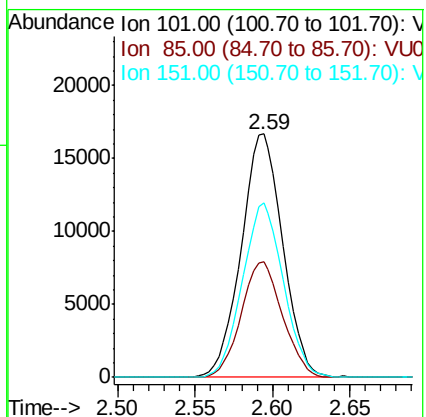
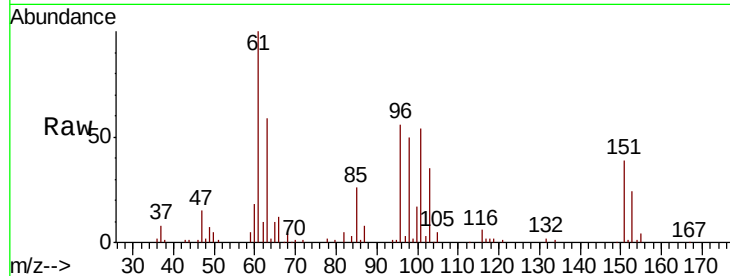
Tot Ion:101 Resp: 31192

Ion Ratio Lower Upper

101 100

85 47.1 34.5 51.7

151 70.4 54.4 81.6



#12

1,1-Dichloroethene

Concen: 4.294 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039956.D

Acq: 24 Aug 2020 19:00

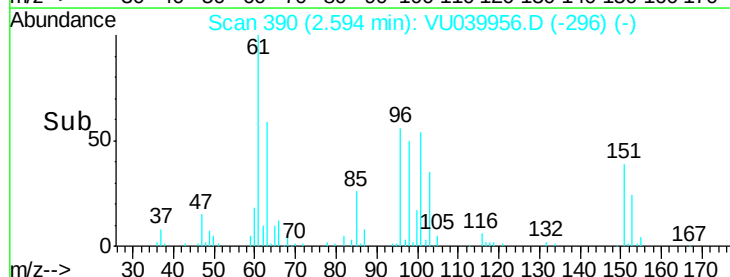
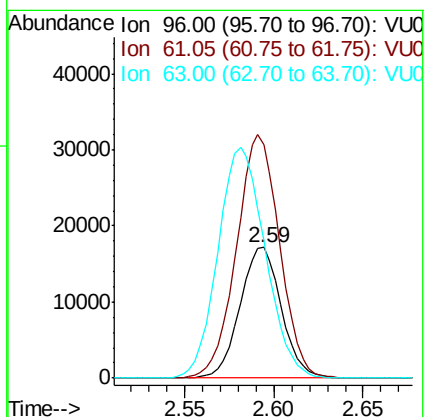
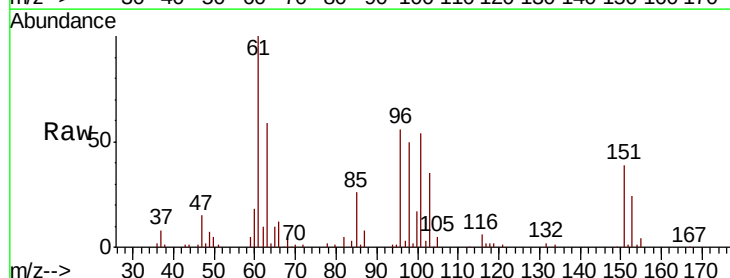
Tgt Ion: 96 Resp: 27626

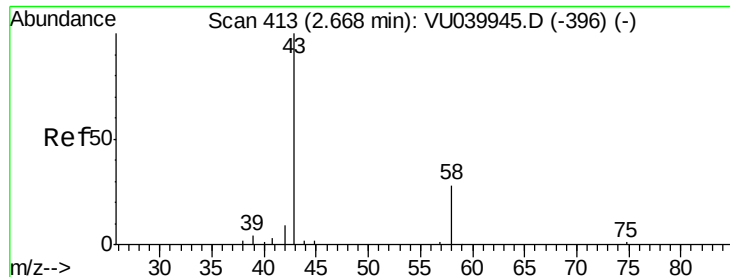
Ion Ratio Lower Upper

96 100

61 178.9 126.8 235.4

63 104.9 88.6 164.6





#13

Acetone

Concen: 45.039 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU039956.D

Acq: 24 Aug 2020 19:00

Instrument :

MSVOA_U

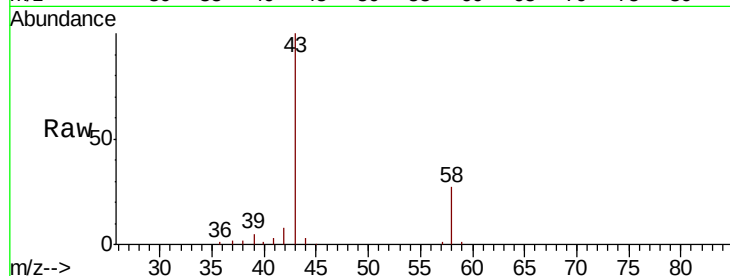
ClientSampleId :

Tot Ion: 43 Resp: 63195

Ion Ratio Lower Upper

43 100

58 28.2 0.0 19.0#



Abundance Ion 43.05 (42.75 to 43.75): VU039945.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU039945.D (-396) (-)

2.66

25000

20000

15000

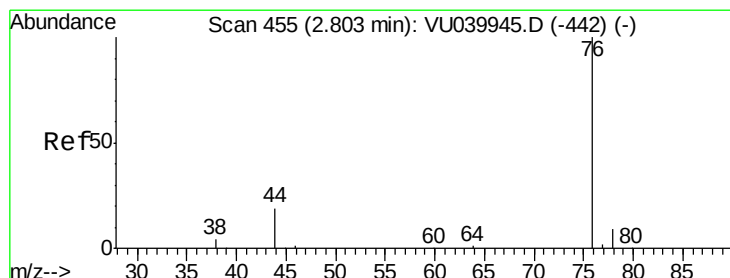
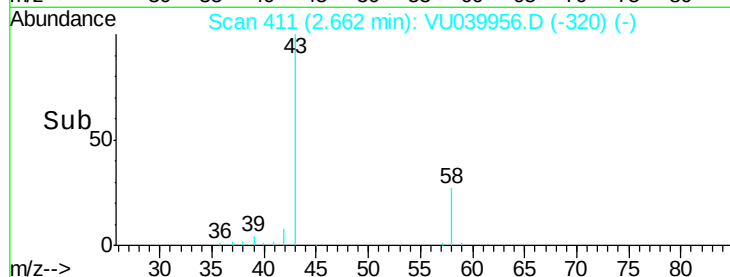
10000

5000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 4.456 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039956.D

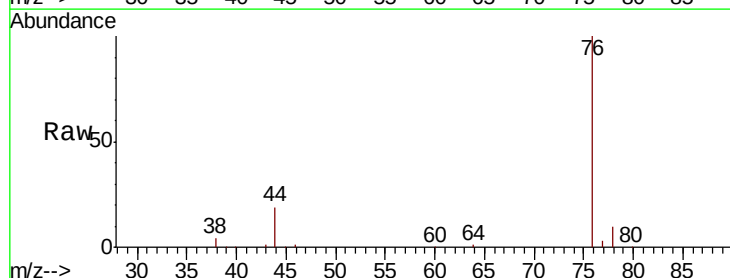
Acq: 24 Aug 2020 19:00

Tgt Ion: 76 Resp: 92664

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU039945.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU039945.D (-442) (-)

2.81

60000

50000

40000

30000

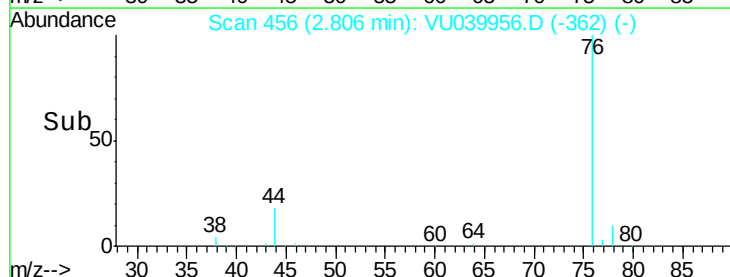
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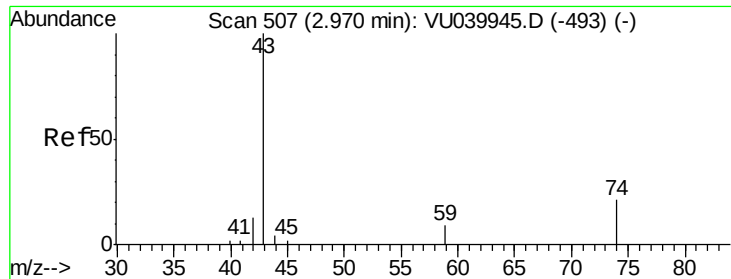
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Time-->

2.75 2.80 2.85

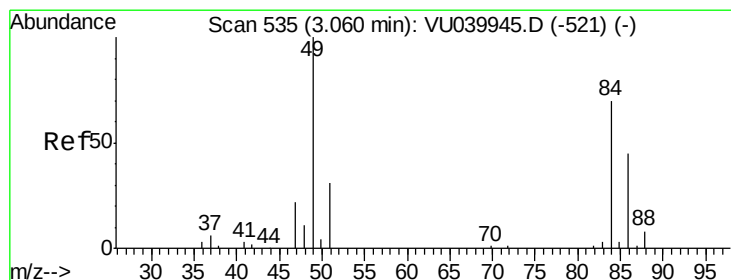
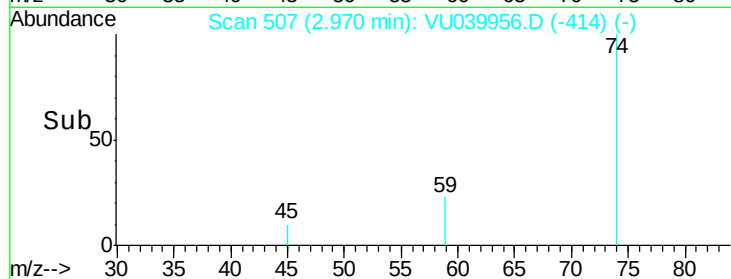
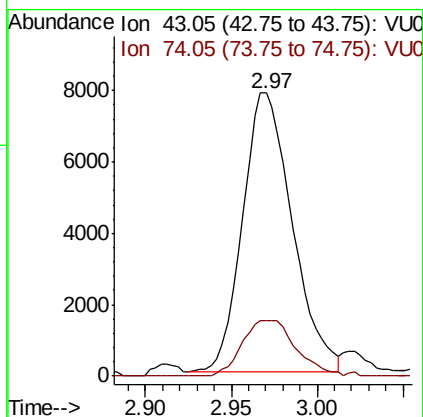
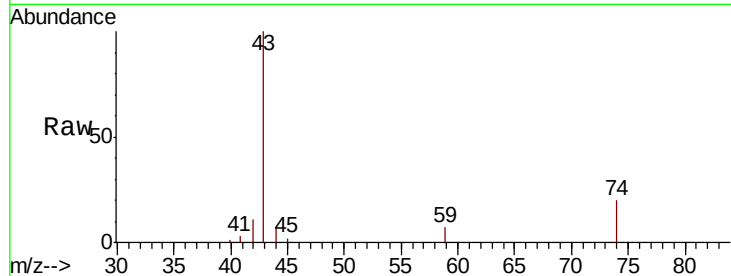




#15
Methvl Acetate
Concen: 4.353 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU039956.D
Acq: 24 Aug 2020 19:00

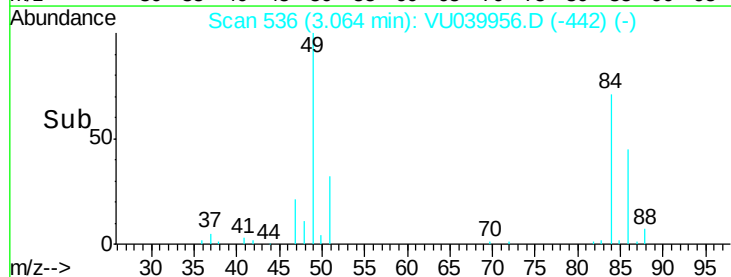
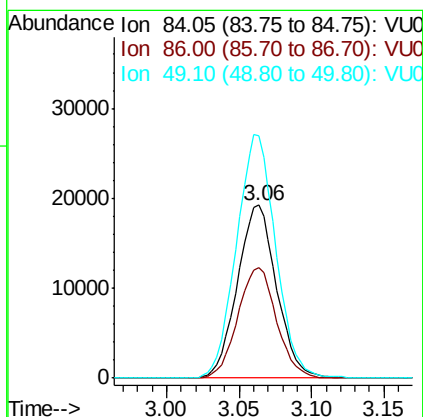
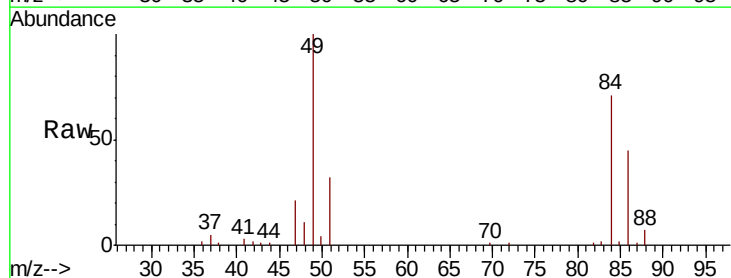
Instrument :
MSVOA_U
ClientSampled :

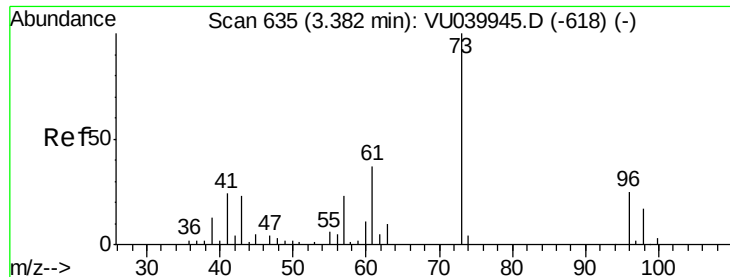
Tot Ion: 43 Resp: 15679
Ion Ratio Lower Upper
43 100
74 21.6 16.3 24.5



#16
Methylene chloride
Concen: 4.081 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039956.D
Acq: 24 Aug 2020 19:00

Tgt Ion: 84 Resp: 36105
Ion Ratio Lower Upper
84 100
86 63.6 47.2 87.6
49 140.1 99.8 185.4

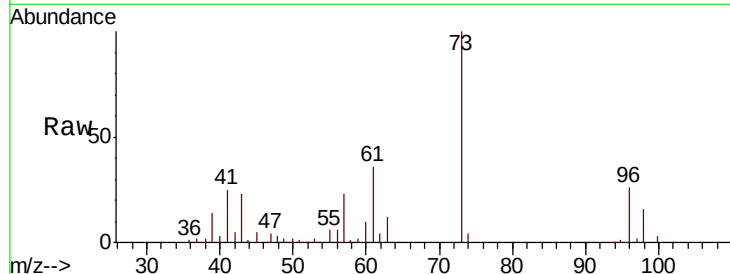




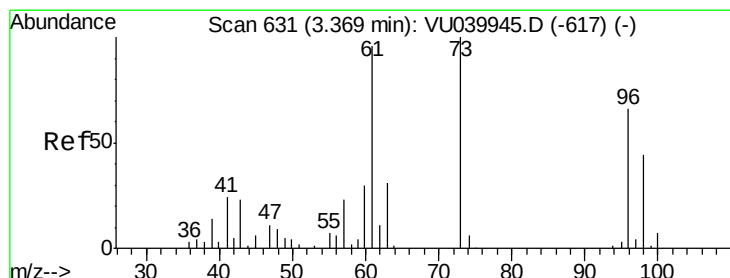
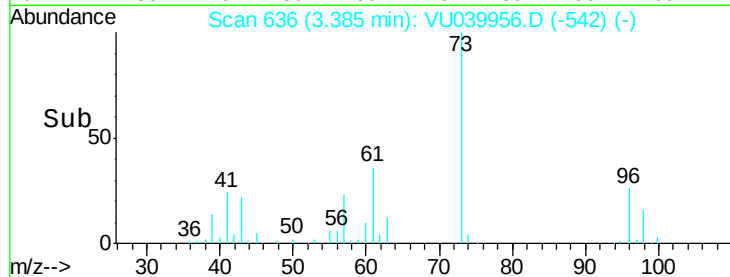
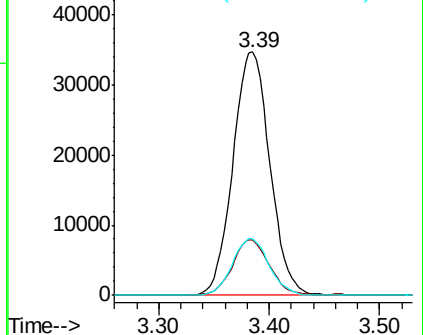
#17
Methyl tert-butyl Ether
Concen: 4.955 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039956.D
Acq: 24 Aug 2020 19:00

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 80388
Ion Ratio Lower Upper
73 100
43 22.9 16.6 24.8
57 23.1 18.2 27.4

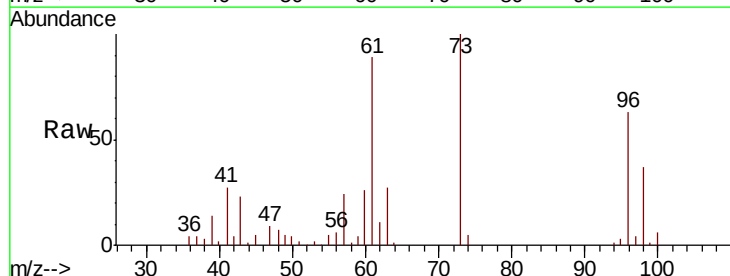


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

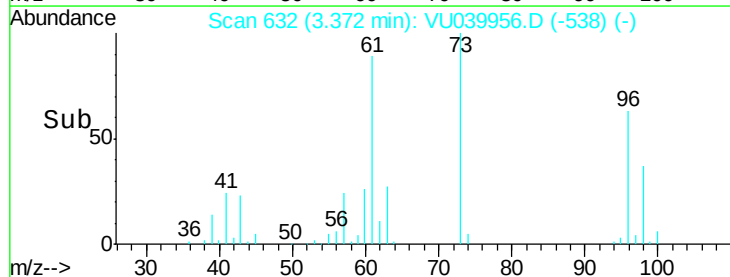
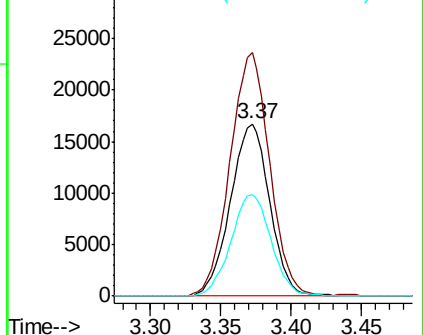


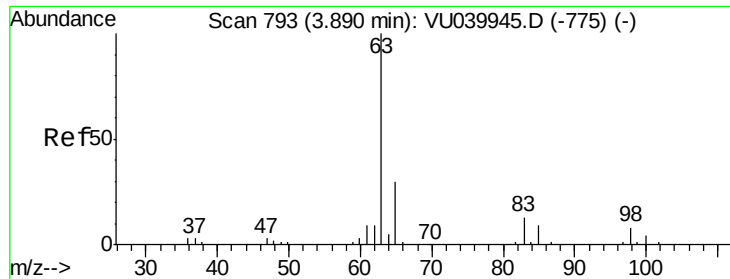
#18
trans-1,2-Dichloroethene
Concen: 4.863 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039956.D
Acq: 24 Aug 2020 19:00

Tgt Ion: 96 Resp: 32494
Ion Ratio Lower Upper
96 100
61 141.4 93.7 173.9
98 58.7 40.7 75.5



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

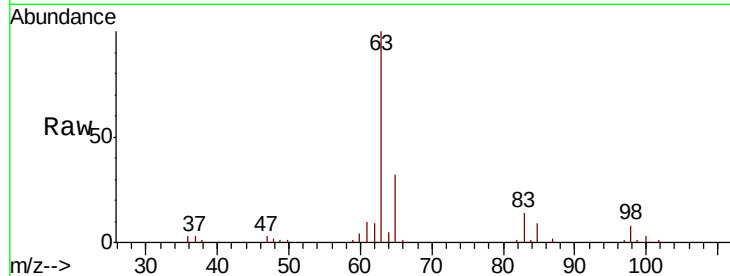




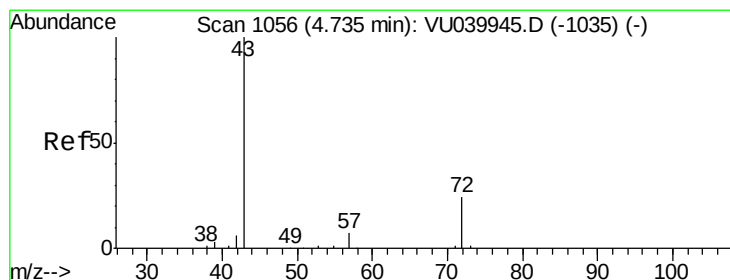
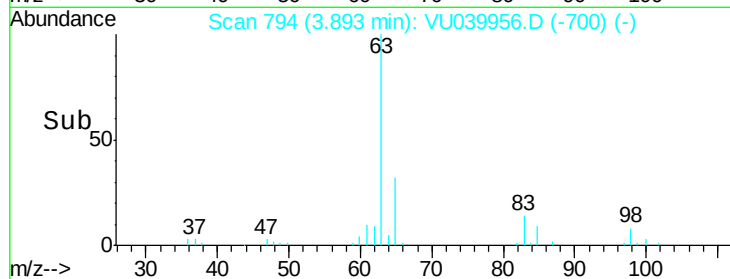
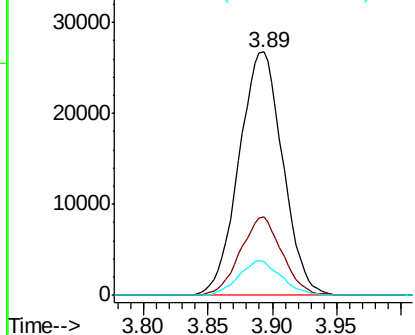
#19
 1,1-Dichloroethane
 Concen: 5.099 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU039956.D
 Acq: 24 Aug 2020 19:00

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 63165
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.6 40.0
 83 13.8 10.3 19.1

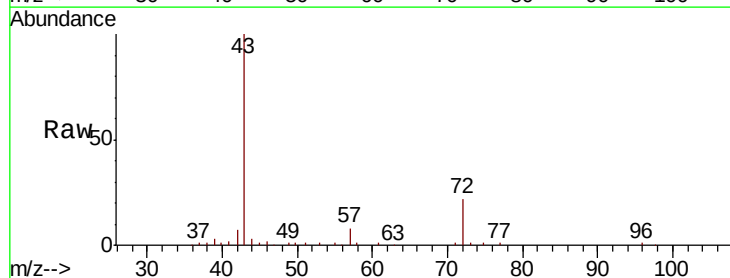


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

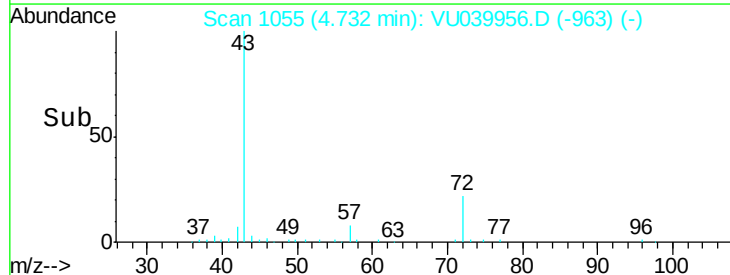
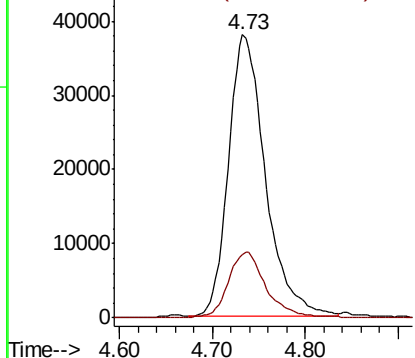


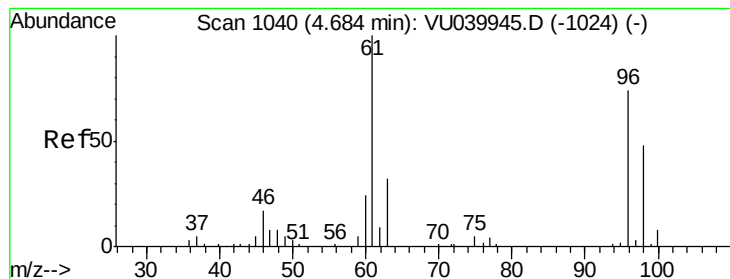
#21
 2-Butanone
 Concen: 42.783 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VU039956.D
 Acq: 24 Aug 2020 19:00

Tgt Ion: 43 Resp: 104305
 Ion Ratio Lower Upper
 43 100
 72 24.3 12.7 38.0



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: 4.969 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU039956.D

Acq: 24 Aug 2020 19:00

Instrument :
MSVOA_U
ClientSampled :

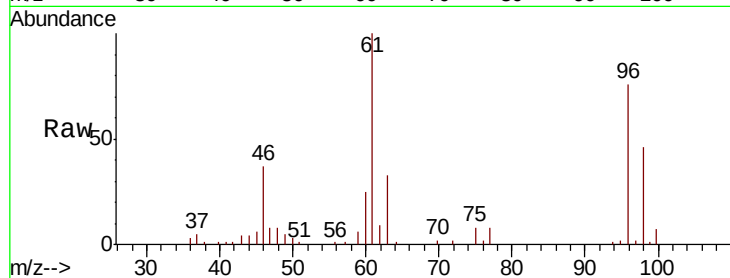
Tot Ion: 96 Resp: 34761

Ion Ratio Lower Upper

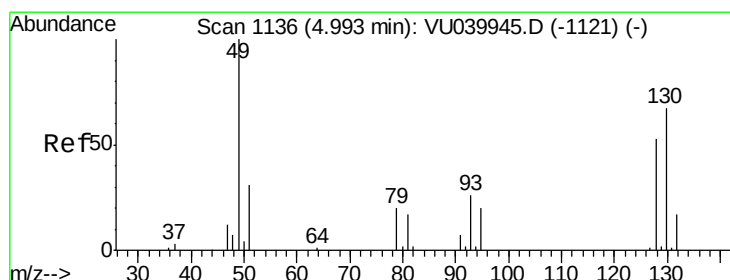
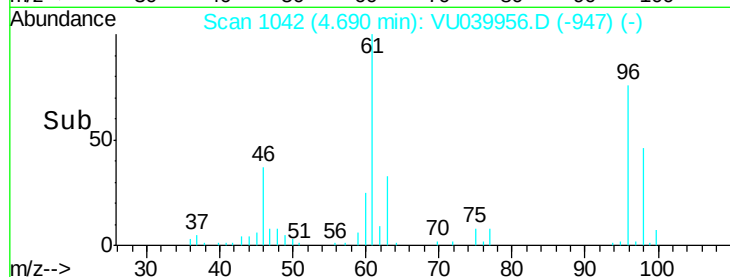
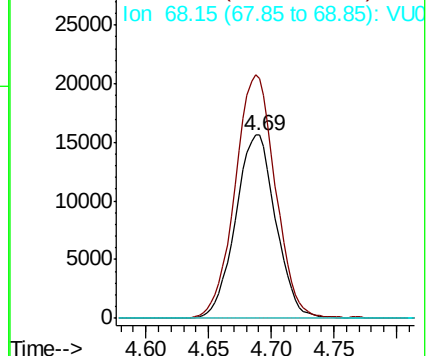
96 100

61 130.8 90.9 168.9

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: 4.860 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU039956.D

Acq: 24 Aug 2020 19:00

Tgt Ion: 128 Resp: 15991

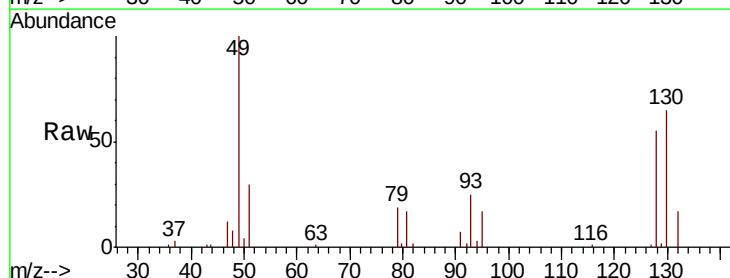
Ion Ratio Lower Upper

128 100

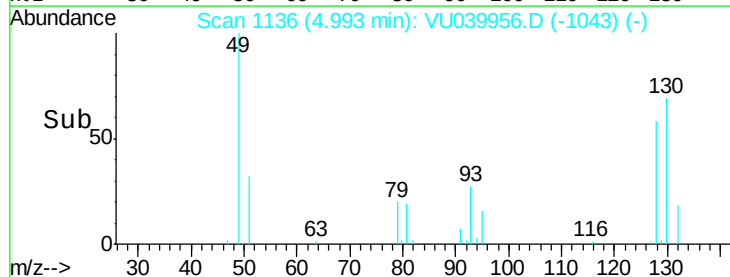
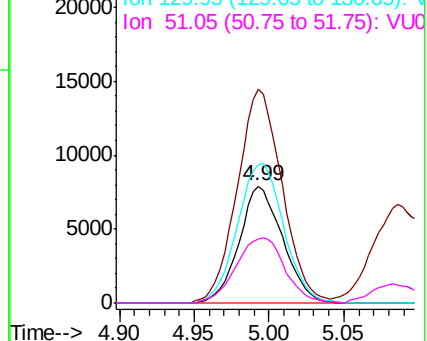
49 182.4 121.2 225.2

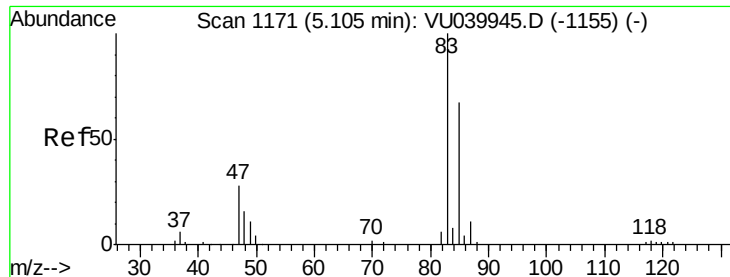
130 118.2 90.2 167.6

51 55.0 47.2 70.8



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

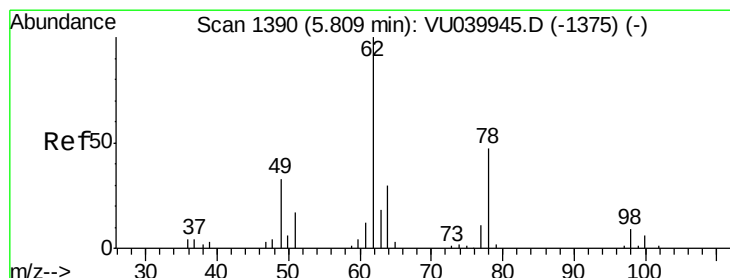
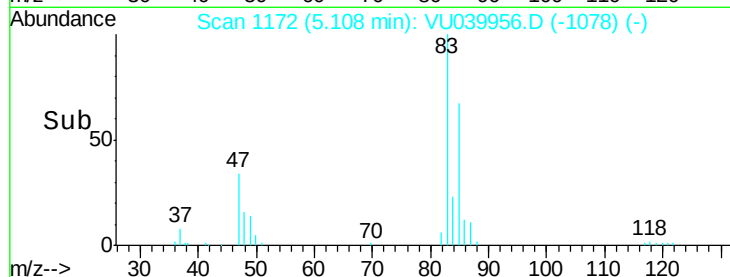
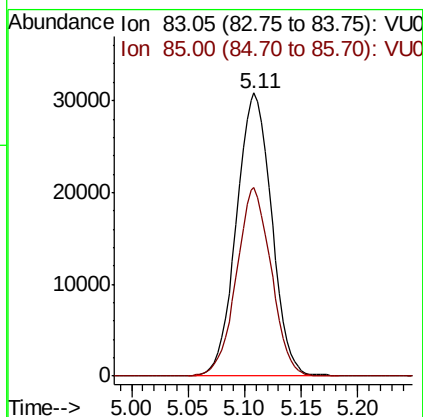
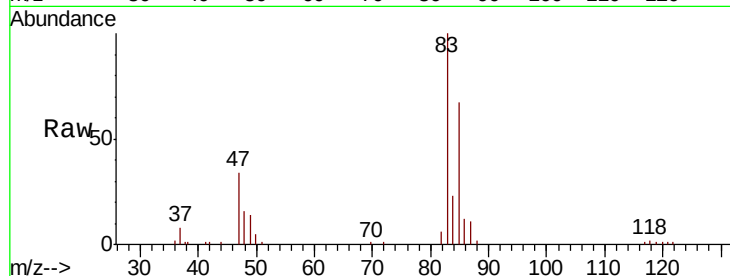




#25
Chloroform
Concen: 5.324 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039956.D
Acq: 24 Aug 2020 19:00

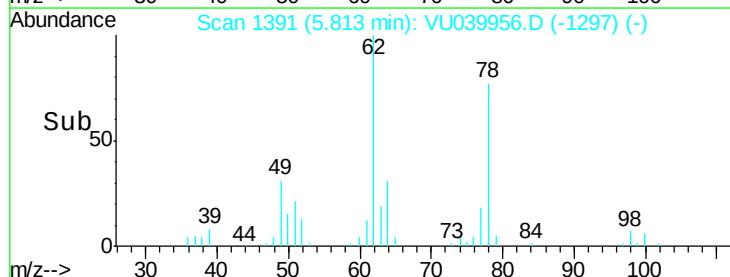
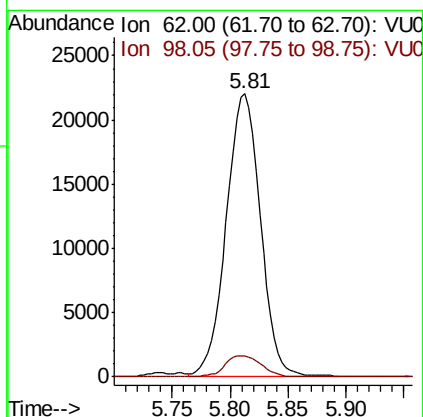
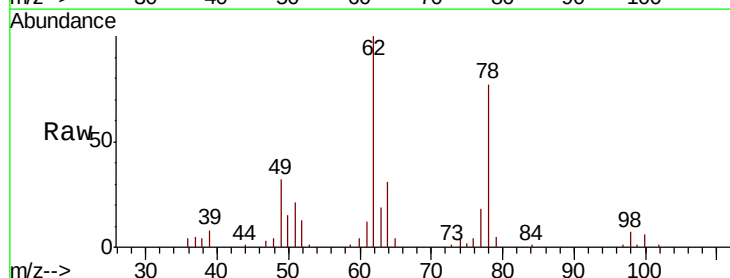
Instrument :
MSVOA_U
ClientSampleId :

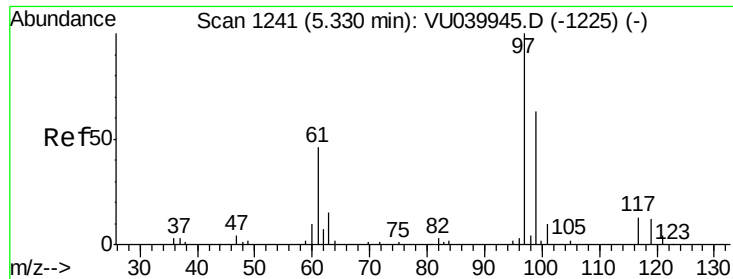
Tot Ion: 83 Resp: 66846
Ion Ratio Lower Upper
83 100
85 66.8 46.4 86.2



#27
1,2-Dichloroethane
Concen: 5.147 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039956.D
Acq: 24 Aug 2020 19:00

Tgt Ion: 62 Resp: 45344
Ion Ratio Lower Upper
62 100
98 7.3 7.4 11.2#

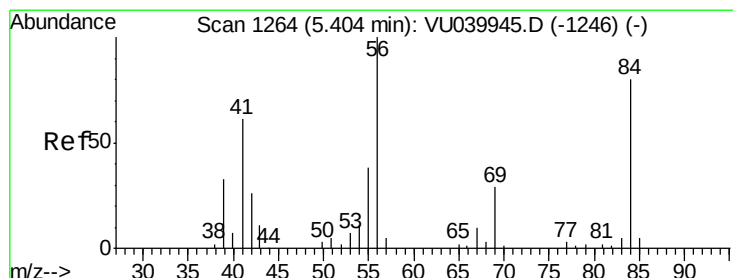
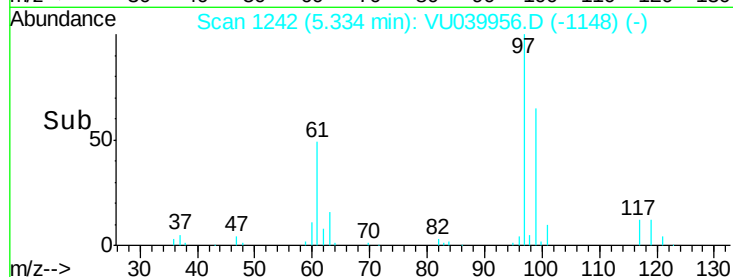
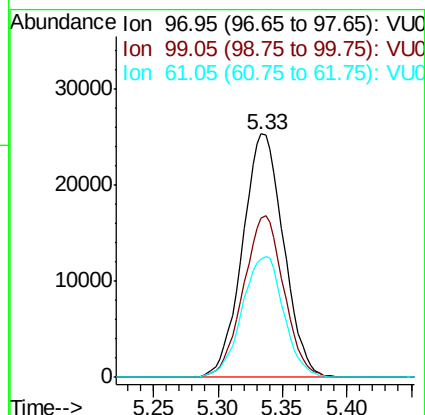
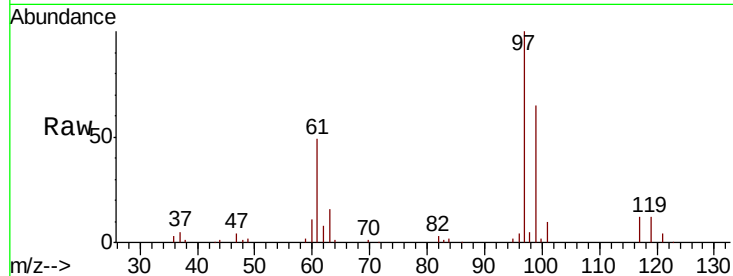




#29
1,1,1-Trichloroethane
Concen: 5.533 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU039956.D
Acq: 24 Aug 2020 19:00

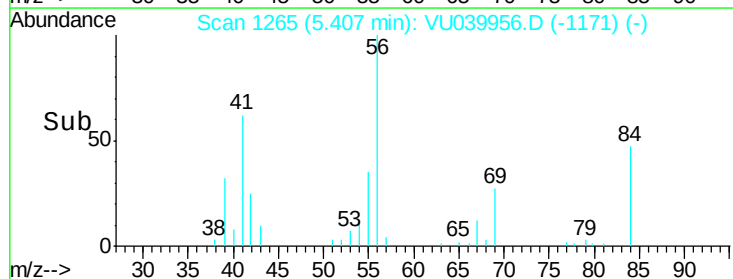
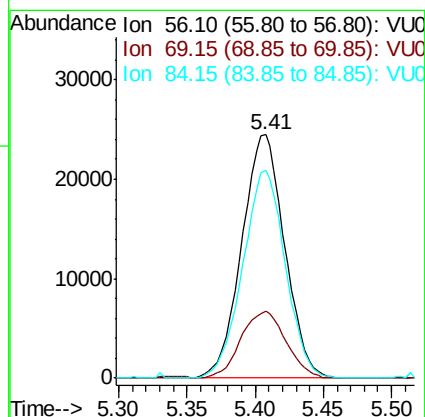
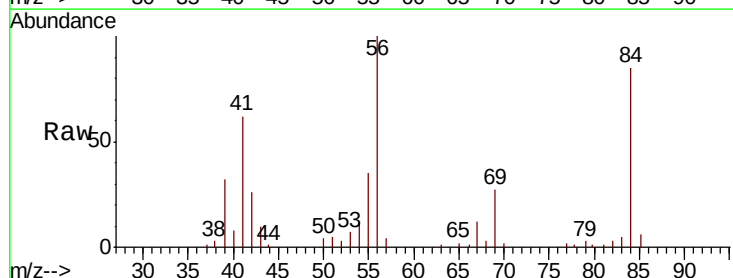
Instrument :
MSVOA_U
ClientSampleId :

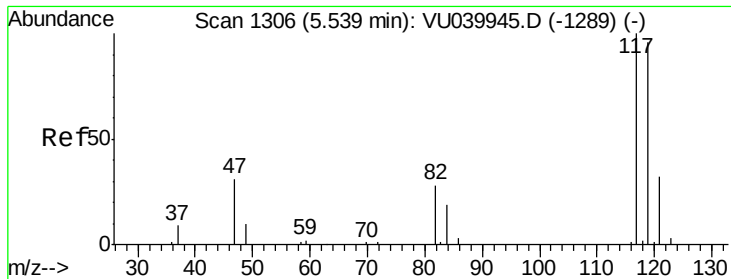
Tot Ion: 97 Resp: 56324
Ion Ratio Lower Upper
97 100
99 65.6 51.4 77.2
61 50.2 39.1 58.7



#30
Cyclohexane
Concen: 5.300 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU039956.D
Acq: 24 Aug 2020 19:00

Tgt Ion: 56 Resp: 53412
Ion Ratio Lower Upper
56 100
69 28.8 23.1 34.7
84 84.7 69.0 103.6





#31

Carbon tetrachloride

Concen: 5.497 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039956.D

Acq: 24 Aug 2020 19:00

Instrument :

MSVOA_U

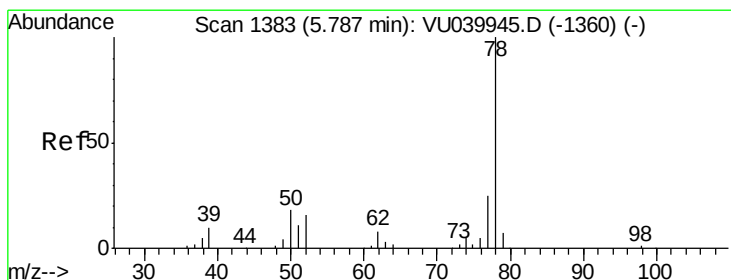
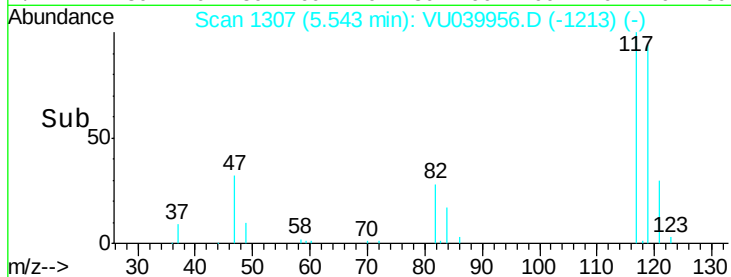
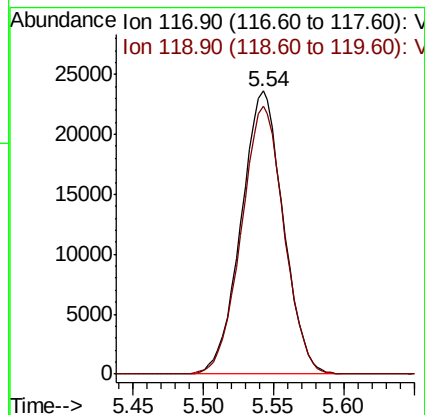
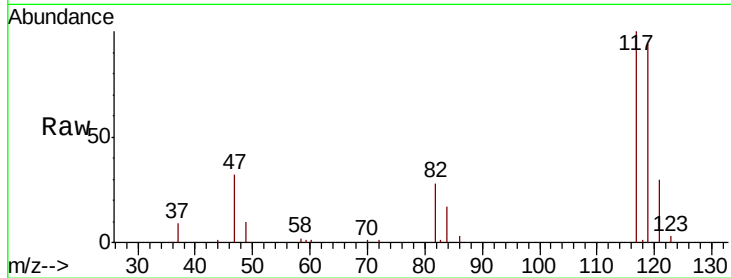
ClientSampled :

Tot Ion:117 Resp: 49406

Ion Ratio Lower Upper

117 100

119 95.6 77.6 116.4



#33

Benzene

Concen: 5.259 ug/L

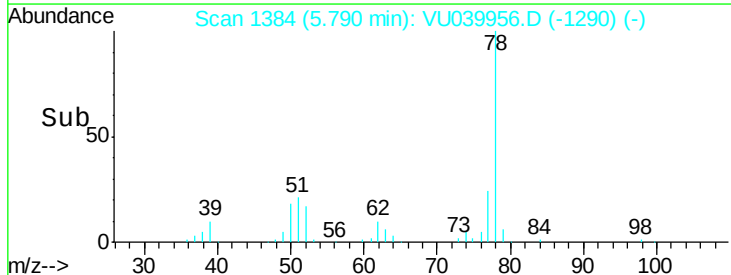
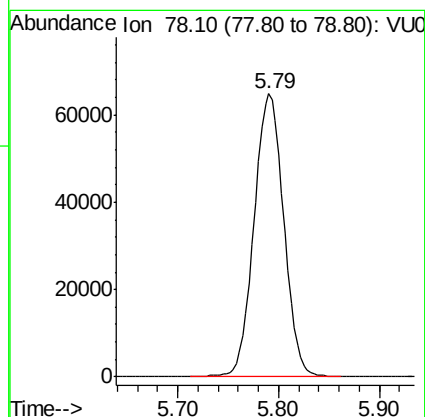
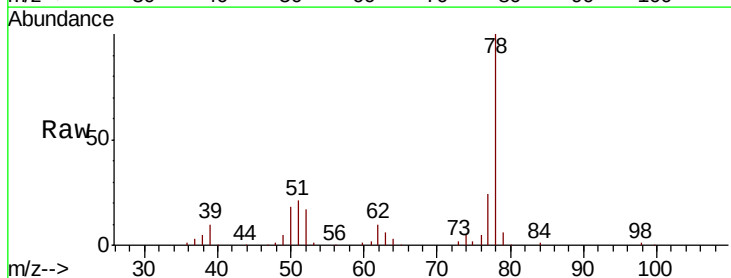
RT: 5.79 min Scan# 1384

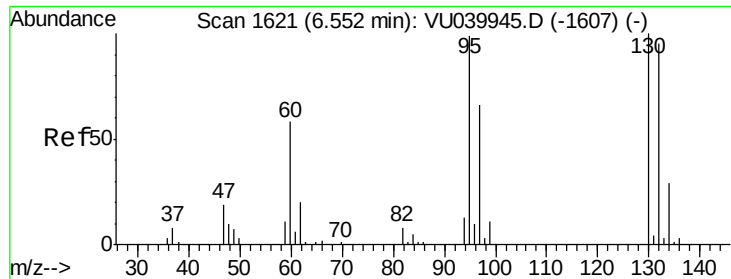
Delta R.T. 0.00 min

Lab File: VU039956.D

Acq: 24 Aug 2020 19:00

Tgt Ion: 78 Resp: 132274

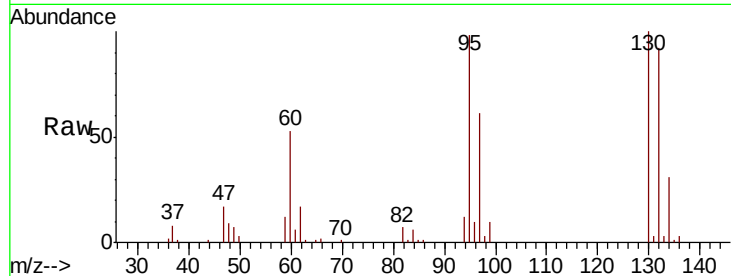




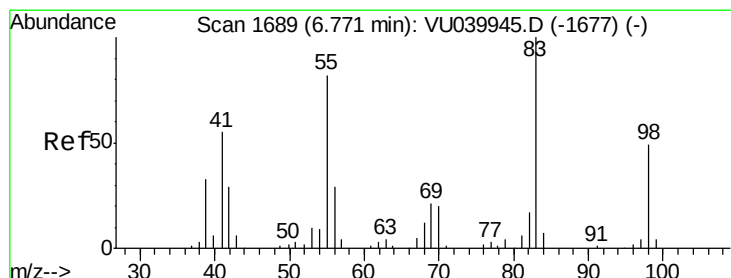
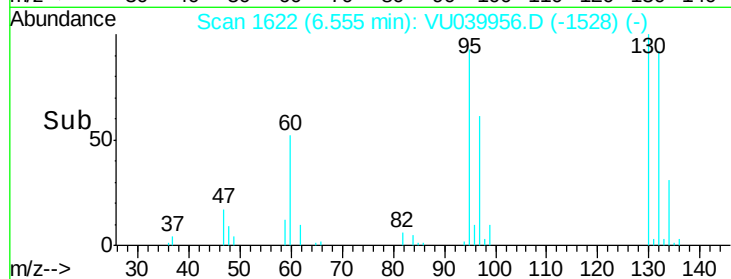
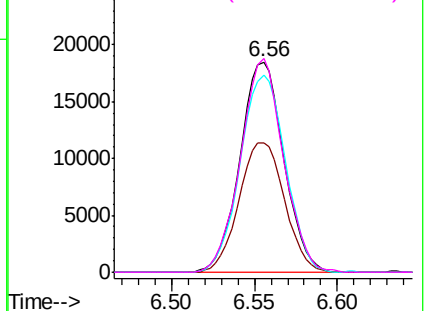
#34
 Trichloroethene
 Concen: 5.207 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039956.D
 Acq: 24 Aug 2020 19:00

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 33983
 Ion Ratio Lower Upper
 95 100
 97 61.7 42.0 78.0
 132 93.6 65.0 120.8
 130 101.6 65.5 121.7

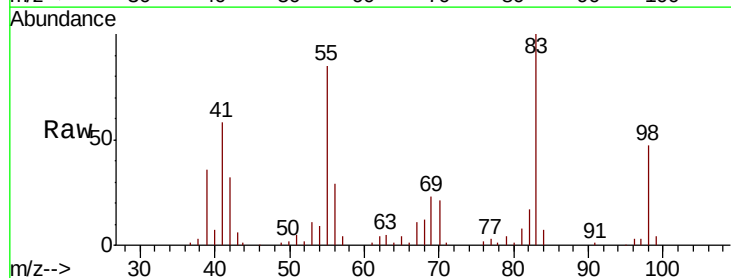


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

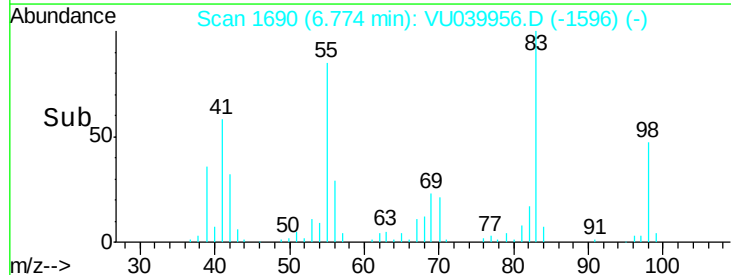
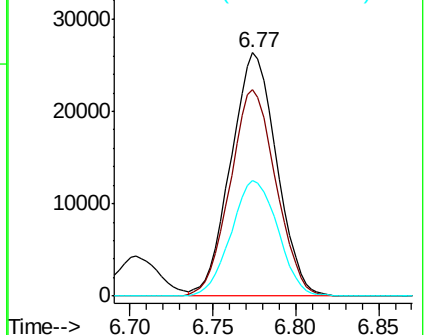


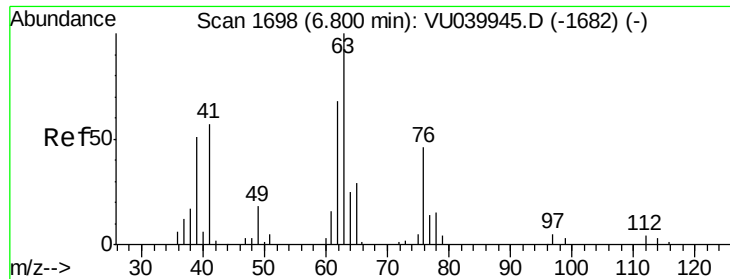
#35
 Methylcyclohexane
 Concen: 5.067 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU039956.D
 Acq: 24 Aug 2020 19:00

Tgt Ion: 83 Resp: 50659
 Ion Ratio Lower Upper
 83 100
 55 84.8 64.1 96.1
 98 48.5 39.4 59.0



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

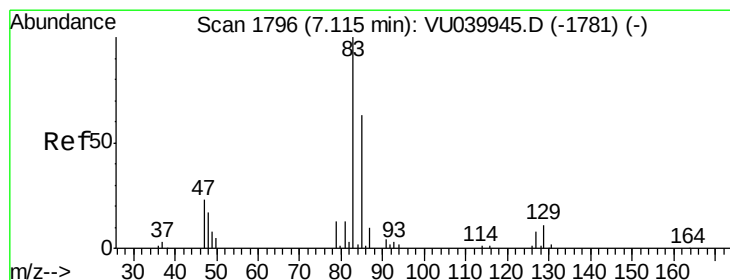
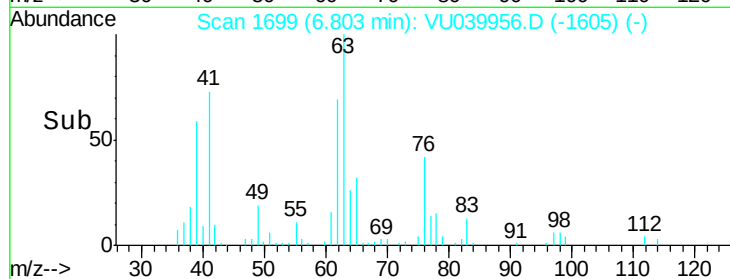
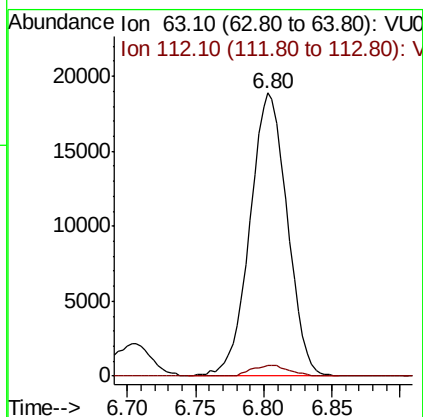
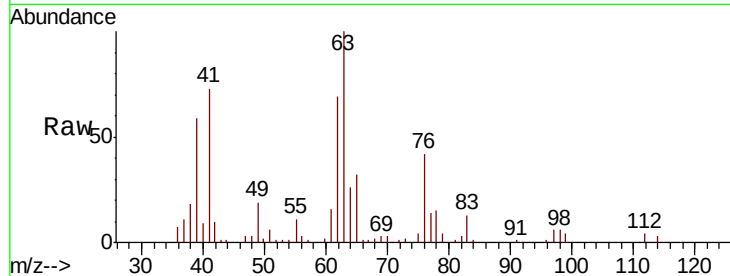




#37
 1,2-Dichloropropane
 Concen: 5.372 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU039956.D
 Acq: 24 Aug 2020 19:00

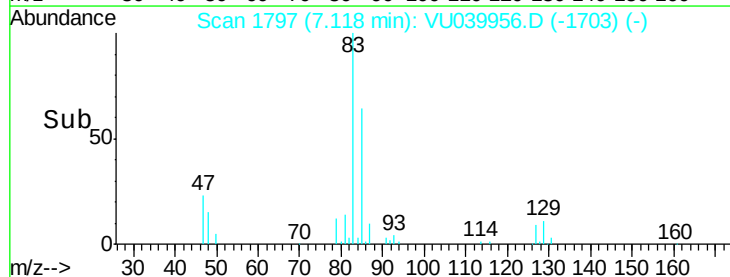
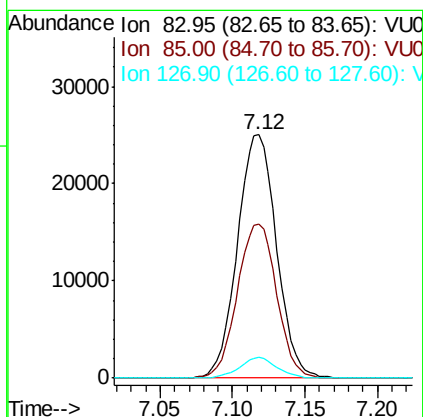
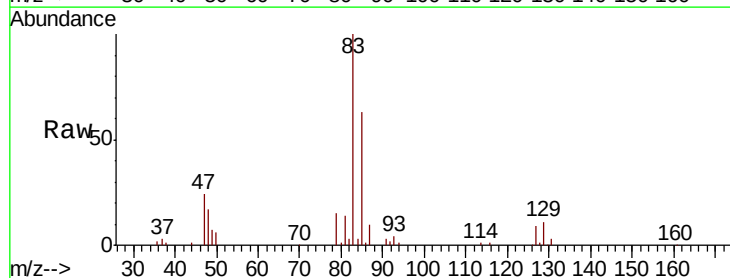
Instrument :
 MSVOA_U
 ClientSampleId :

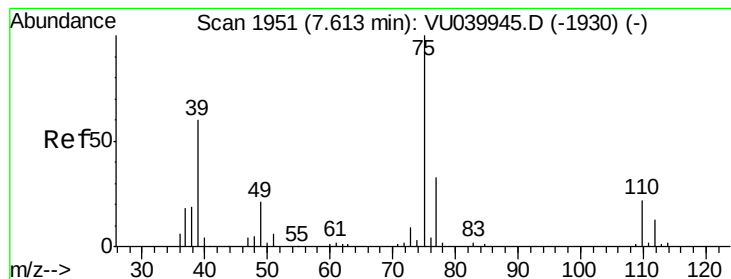
Tot Ion: 63 Resp: 35907
 Ion Ratio Lower Upper
 63 100
 112 3.8 4.1 6.1#



#38
 Bromodichloromethane
 Concen: 5.515 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039956.D
 Acq: 24 Aug 2020 19:00

Tgt Ion: 83 Resp: 46842
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.3 82.3
 127 8.6 6.7 10.1



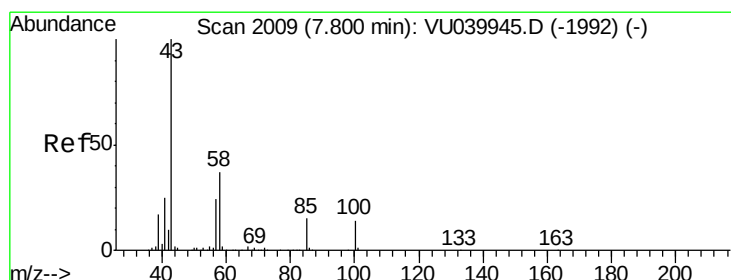
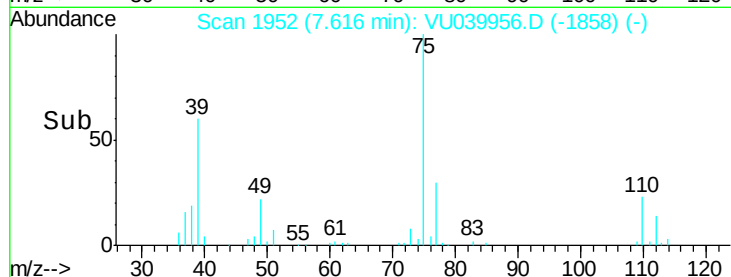
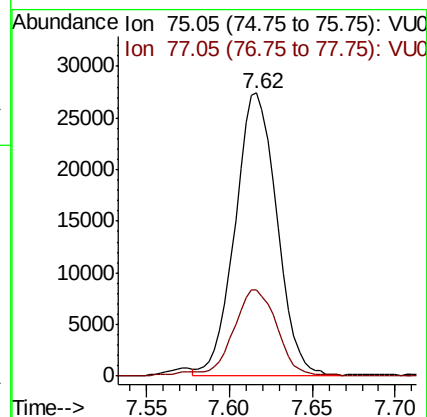
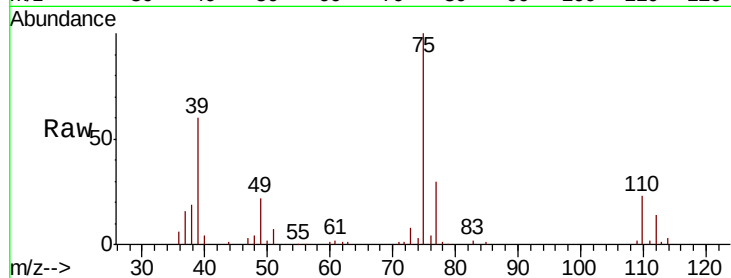


#39

cis-1,3-Dichloropropene
Concen: 5.173 ug/L
RT: 7.62 min Scan# 1952
Delta R.T. 0.00 min
Lab File: VU039956.D
Acq: 24 Aug 2020 19:00

Instrument :
MSVOA_U
ClientSampled :

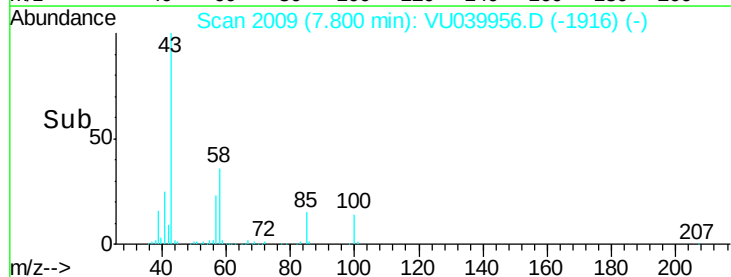
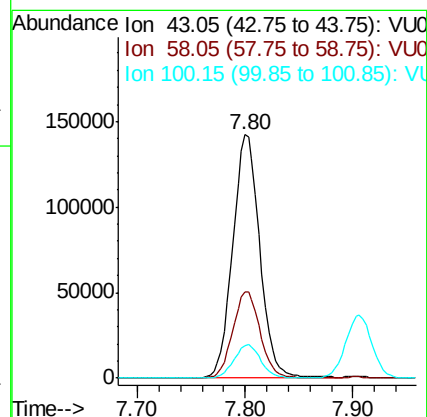
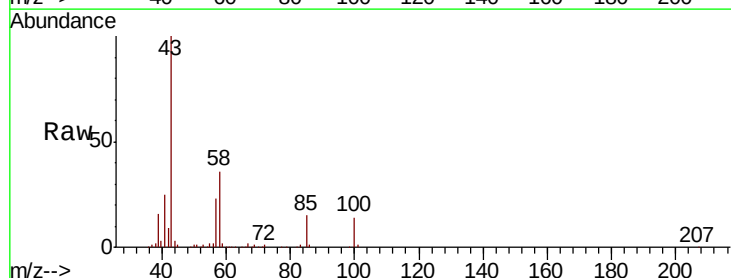
Tot Ion: 75 Resp: 48323
Ion Ratio Lower Upper
75 100
77 30.3 22.6 42.0

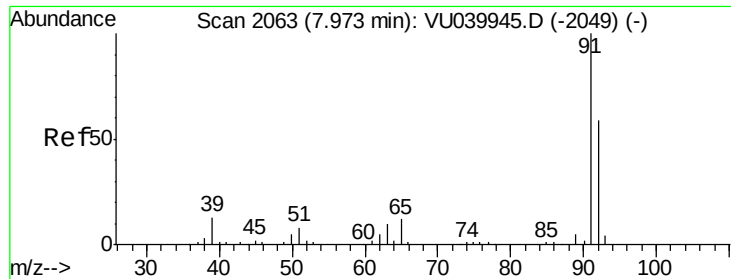


#40

4-Methyl-2-pentanone
Concen: 47.137 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VU039956.D
Acq: 24 Aug 2020 19:00

Tgt Ion: 43 Resp: 249494
Ion Ratio Lower Upper
43 100
58 35.6 29.7 44.5
100 13.6 11.2 16.8





#42

Toluene

Concen: 5.369 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039956.D

Acq: 24 Aug 2020 19:00

Instrument :

MSVOA_U

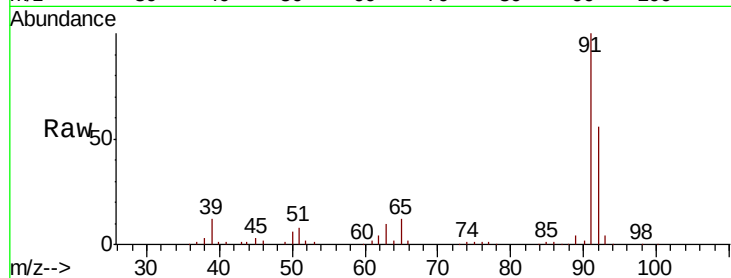
ClientSampleId :

Tot Ion: 91 Resp: 138098

Ion Ratio Lower Upper

91 100

92 56.5 42.3 78.5



Abundance Ion 91.15 (90.85 to 91.85): VU039945.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU039945.D (-2049) (-)

7.98

80000

60000

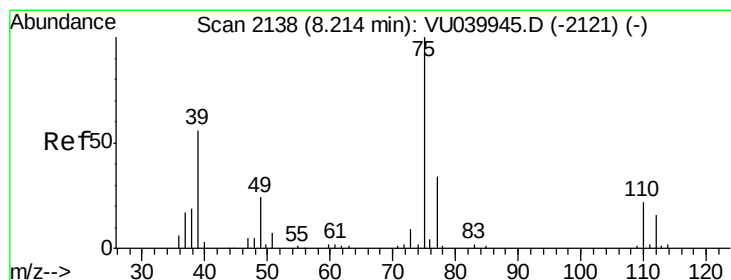
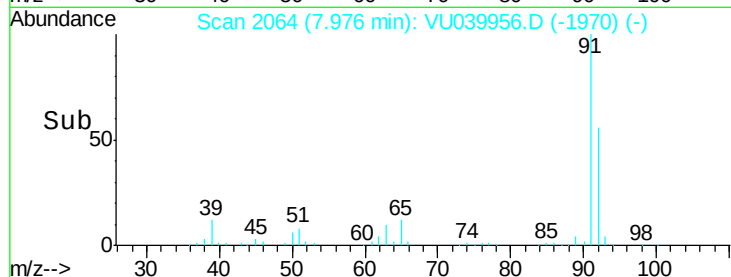
40000

20000

0

Time-->

7.90 7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 4.963 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039956.D

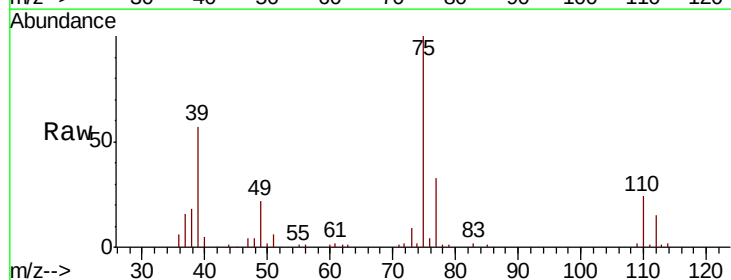
Acq: 24 Aug 2020 19:00

Tgt Ion: 75 Resp: 43559

Ion Ratio Lower Upper

75 100

77 33.4 25.3 46.9



Abundance Ion 75.05 (74.75 to 75.75): VU039945.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU039945.D (-2121) (-)

8.22

30000

25000

20000

15000

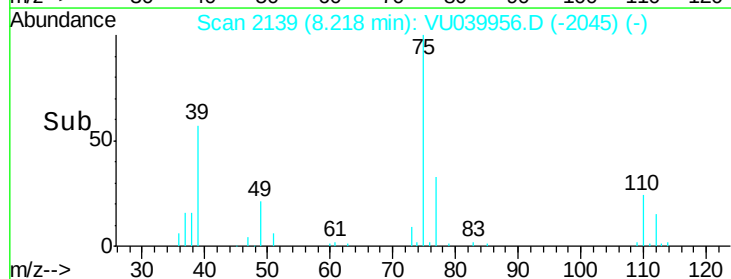
10000

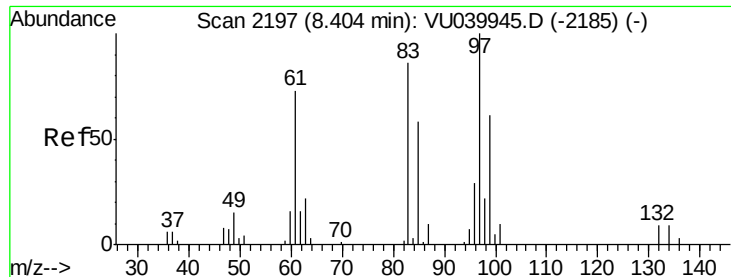
5000

0

Time-->

8.15 8.20 8.25 8.30





#45

1,1,2-Trichloroethane

Concen: 4.939 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU039956.D

Acq: 24 Aug 2020 19:00

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 97 Resp: 25081

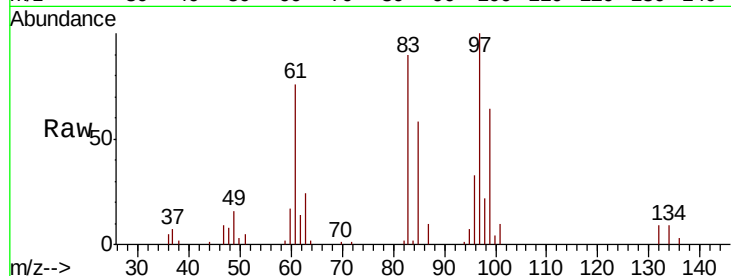
Ion Ratio Lower Upper

97 100

99 63.6 42.1 78.3

83 89.9 59.3 110.1

85 57.6 37.2 69.2



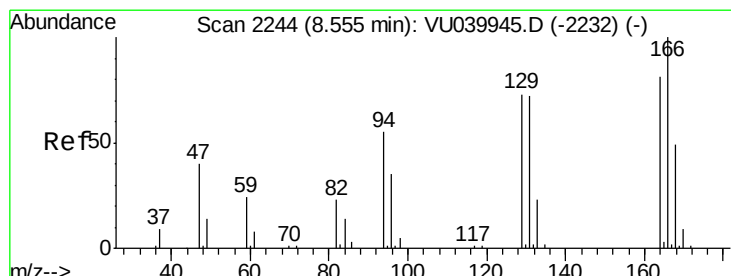
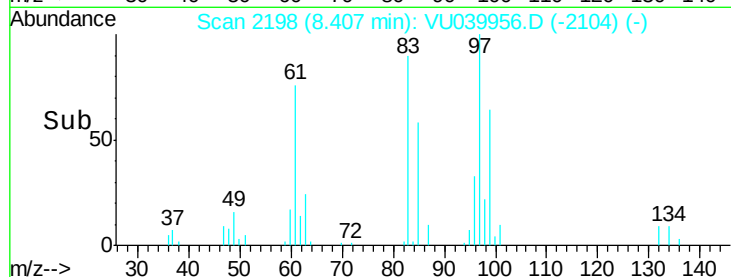
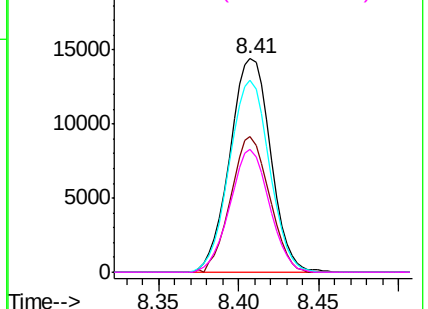
Abundance

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: 5.577 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU039956.D

Acq: 24 Aug 2020 19:00

Tgt Ion: 164 Resp: 26853

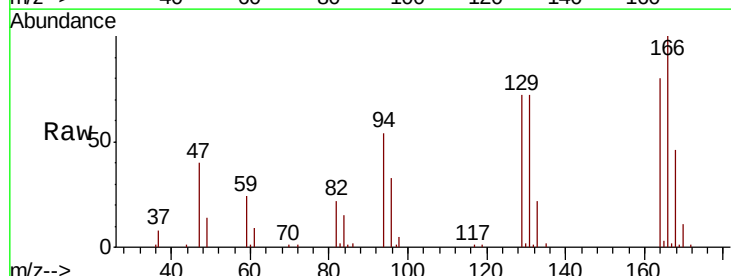
Ion Ratio Lower Upper

164 100

129 89.3 69.1 128.3

131 90.1 66.0 122.6

166 124.5 94.0 174.6



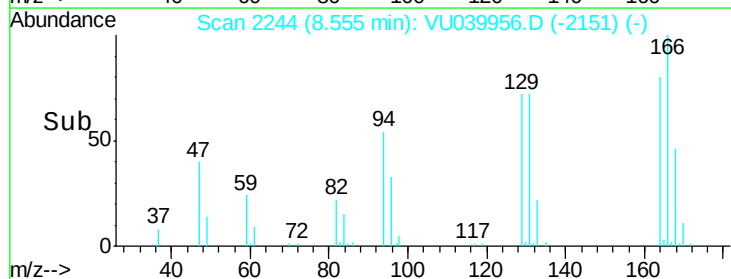
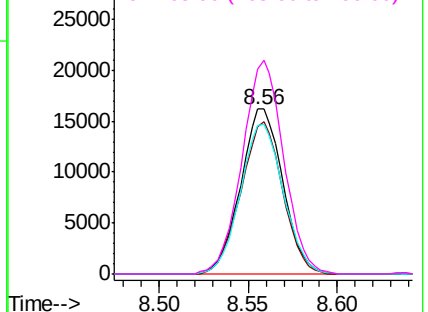
Abundance

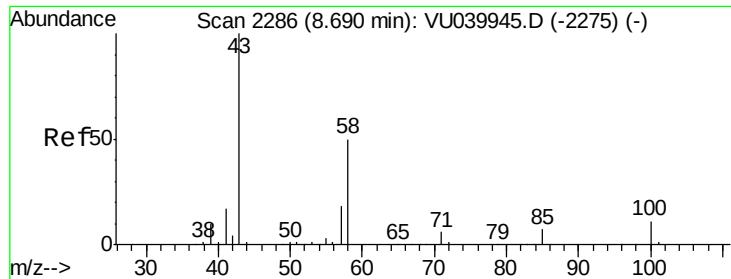
Ion 163.90 (163.60 to 164.60): V

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

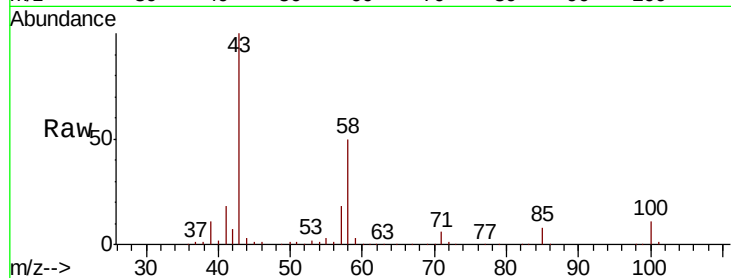




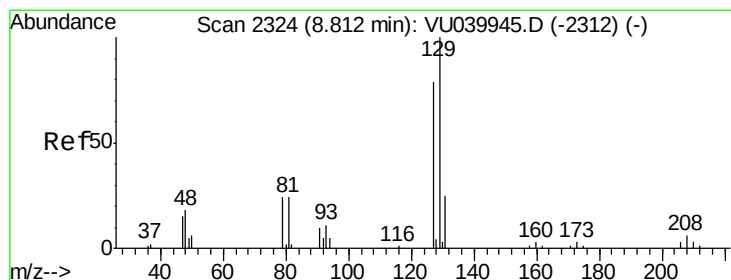
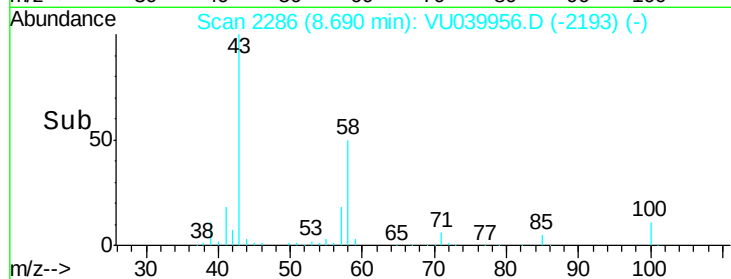
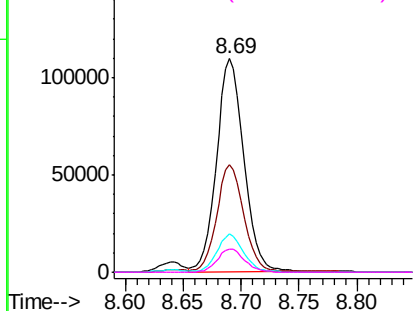
#48
2-Hexanone
Concen: 47.395 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU039956.D
Acq: 24 Aug 2020 19:00

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 179768
Ion Ratio Lower Upper
43 100
58 50.4 41.3 61.9
57 17.3 14.1 21.1
100 10.8 9.1 13.7

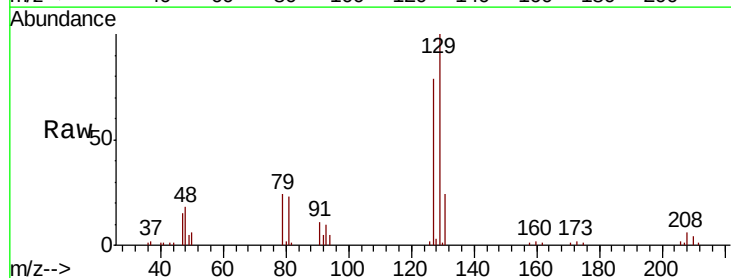


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

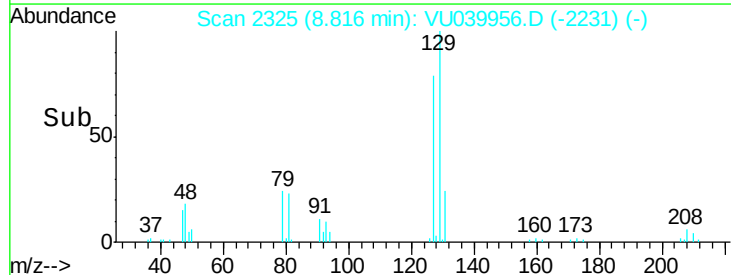
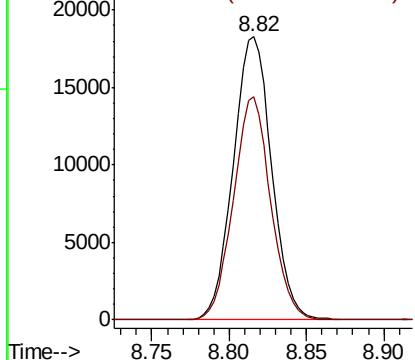


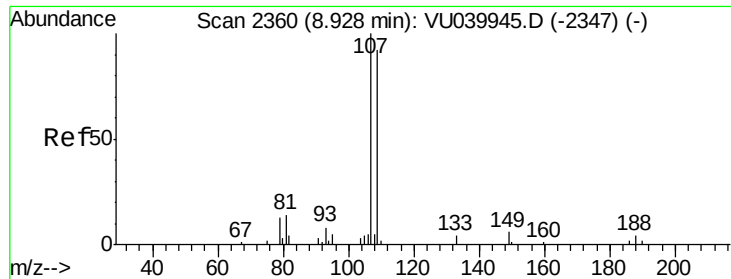
#49
Dibromochloromethane
Concen: 5.188 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039956.D
Acq: 24 Aug 2020 19:00

Tgt Ion: 129 Resp: 31455
Ion Ratio Lower Upper
129 100
127 78.8 53.1 98.7



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





#50

1,2-Dibromoethane

Concen: 4.856 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. 0.00 min

Lab File: VU039956.D

Acq: 24 Aug 2020 19:00

Instrument :

MSVOA_U

ClientSampleId :

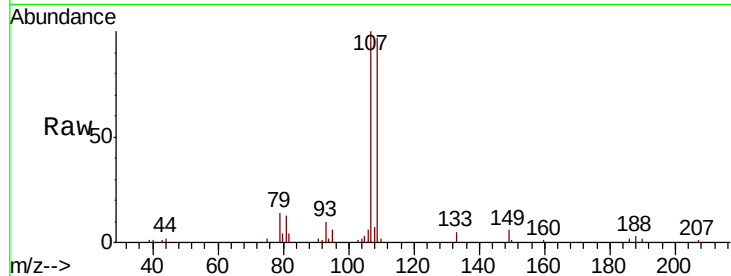
Tot Ion:107 Resp: 23483

Ion Ratio Lower Upper

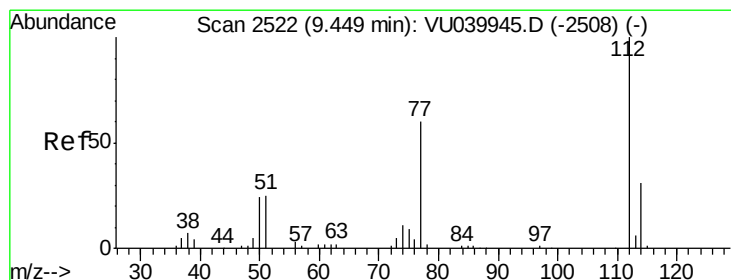
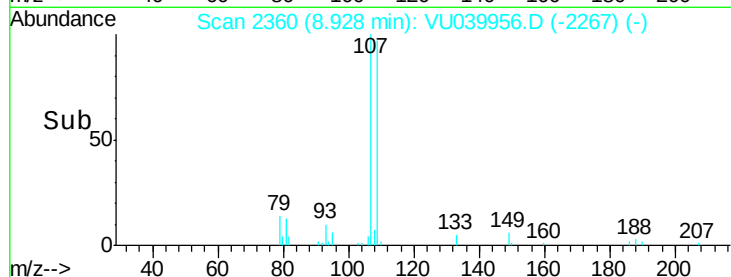
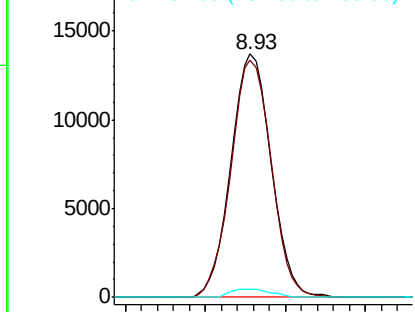
107 100

109 97.5 68.3 126.9

188 3.4 2.2 3.4#



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: 5.112 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU039956.D

Acq: 24 Aug 2020 19:00

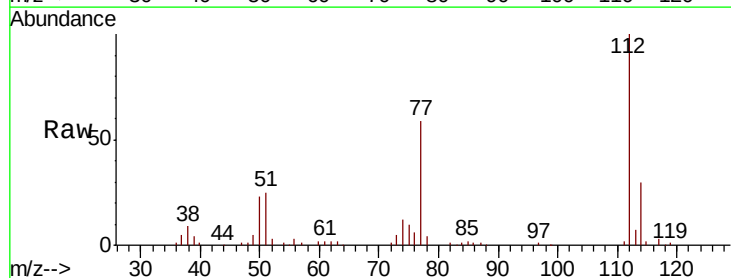
Tgt Ion:112 Resp: 85857

Ion Ratio Lower Upper

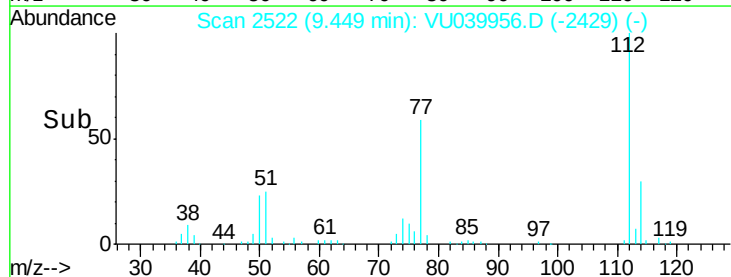
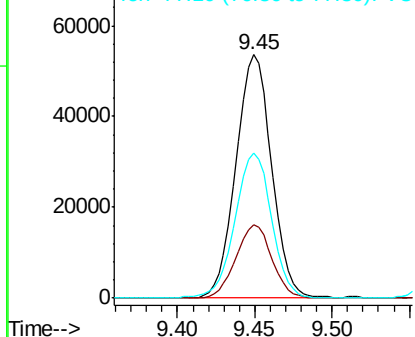
112 100

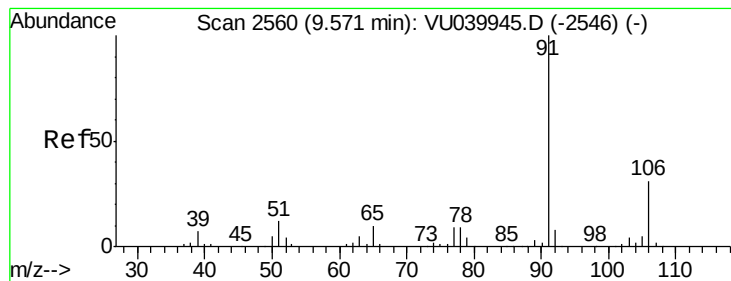
114 29.9 21.8 40.4

77 59.4 45.4 68.0



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: 5.340 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU039956.D

Acq: 24 Aug 2020 19:00

Instrument :

MSVOA_U

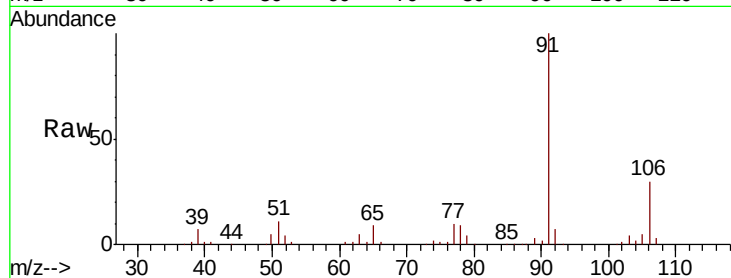
ClientSampled :

Tot Ion: 91 Resp: 149388

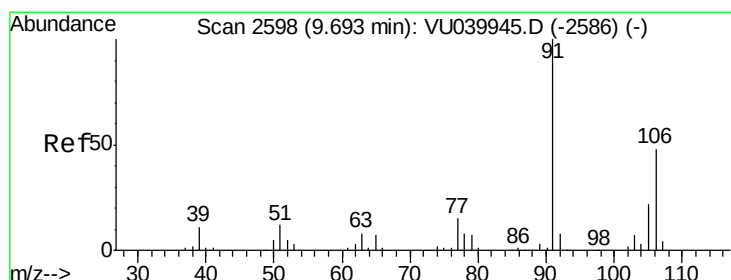
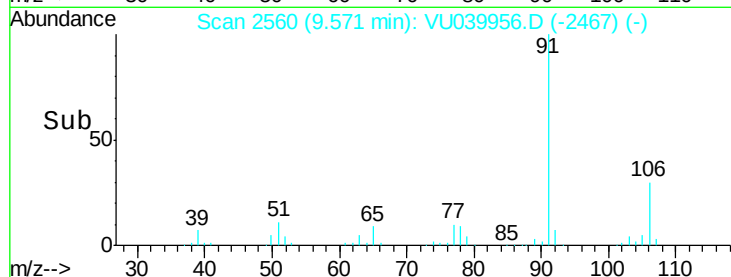
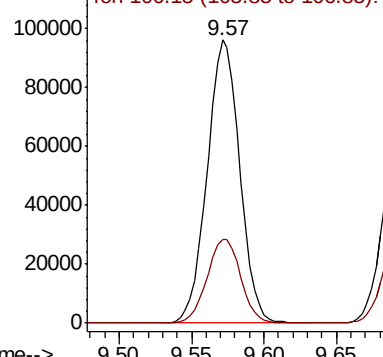
Ion Ratio Lower Upper

91 100

106 29.8 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU039945.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.231 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039956.D

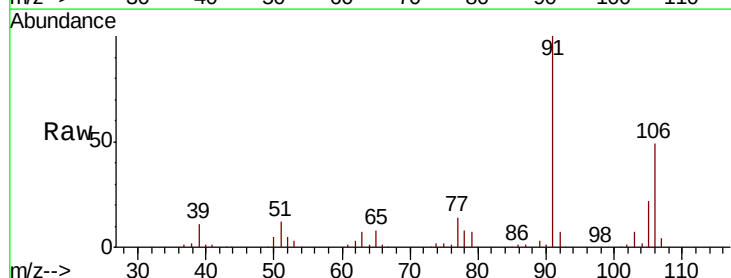
Acq: 24 Aug 2020 19:00

Tgt Ion: 106 Resp: 56174

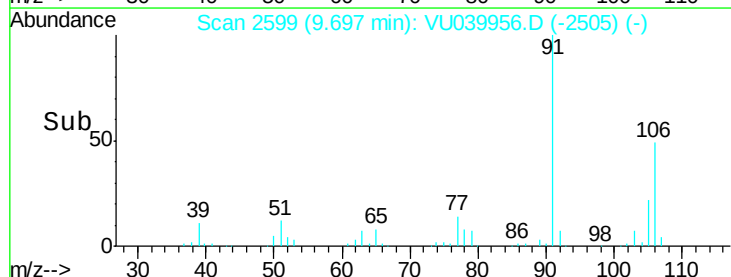
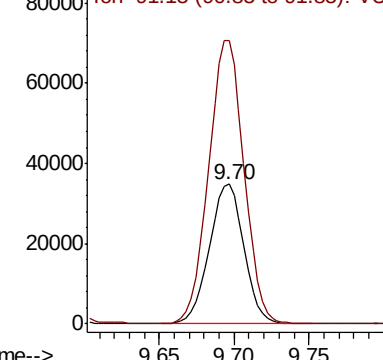
Ion Ratio Lower Upper

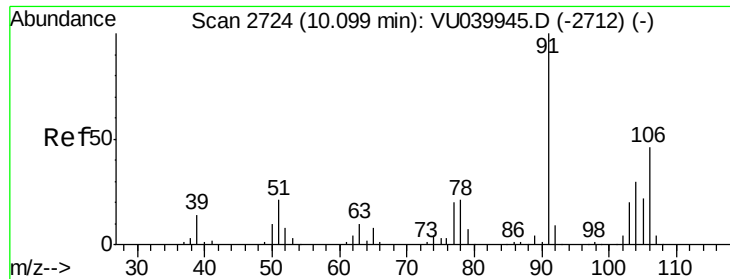
106 100

91 202.7 139.8 259.6



Abundance Ion 106.15 (105.85 to 106.85): VU039945.D (-2586) (-)

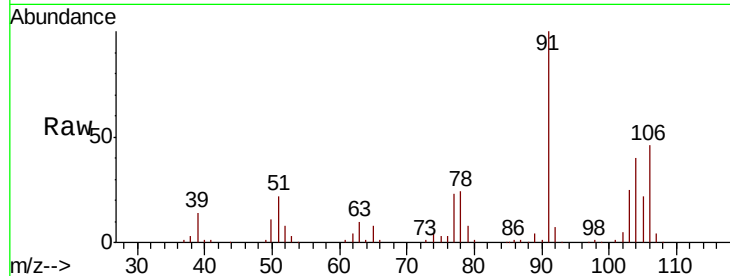




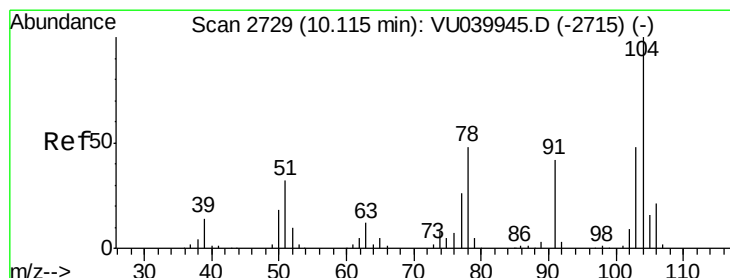
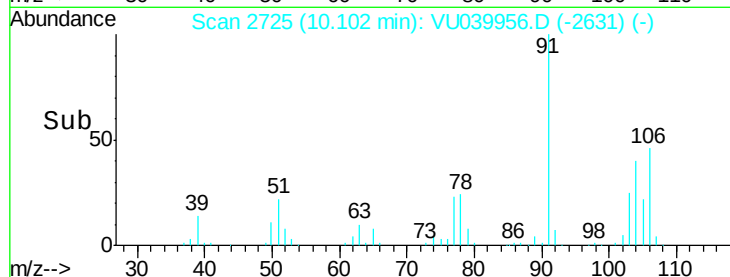
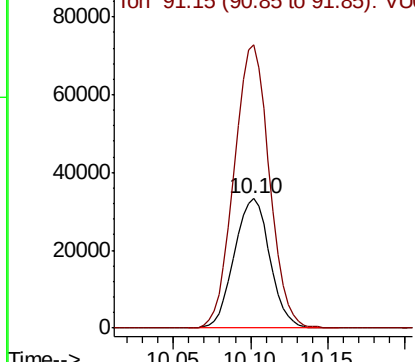
#54
o-Xylene
Concen: 5.246 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039956.D
Acq: 24 Aug 2020 19:00

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 53258
Ion Ratio Lower Upper
106 100
91 219.2 144.6 268.6

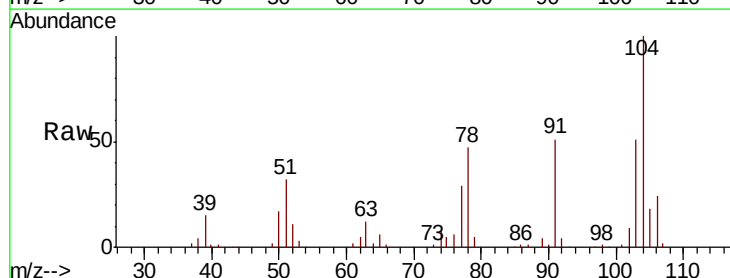


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

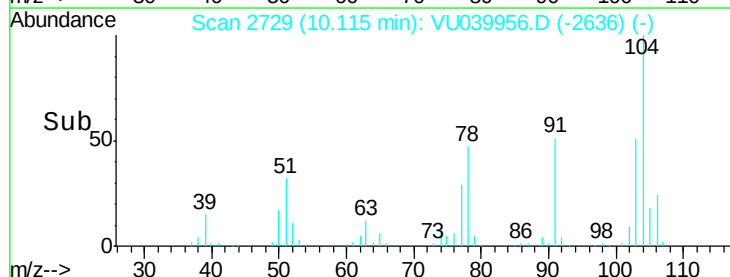
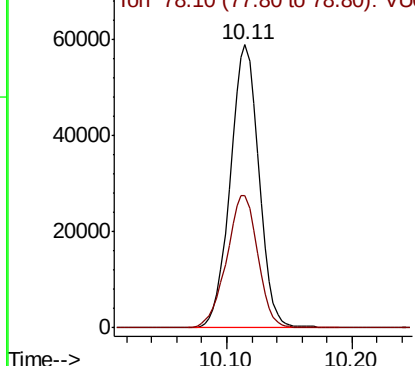


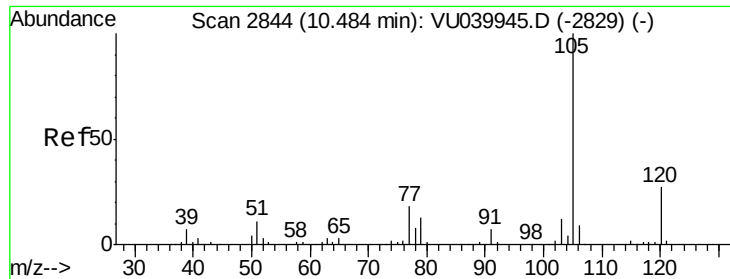
#55
Styrene
Concen: 5.283 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039956.D
Acq: 24 Aug 2020 19:00

Tgt Ion:104 Resp: 92970
Ion Ratio Lower Upper
104 100
78 46.7 32.3 59.9



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





#56

Isopropylbenzene

Concen: 5.351 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039956.D

Acq: 24 Aug 2020 19:00

Instrument :

MSVOA_U

ClientSampleId :

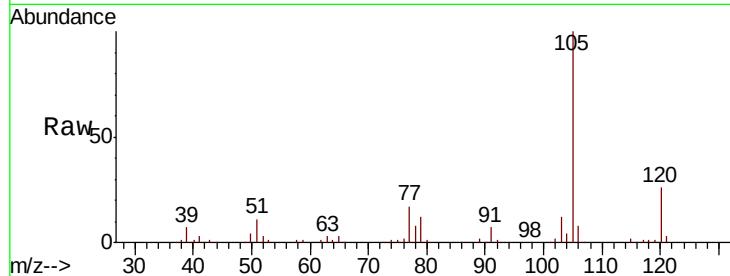
Tot Ion:105 Resp: 145602

Ion Ratio Lower Upper

105 100

120 26.3 21.5 32.3

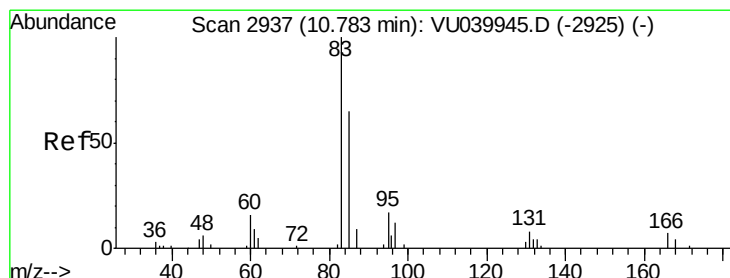
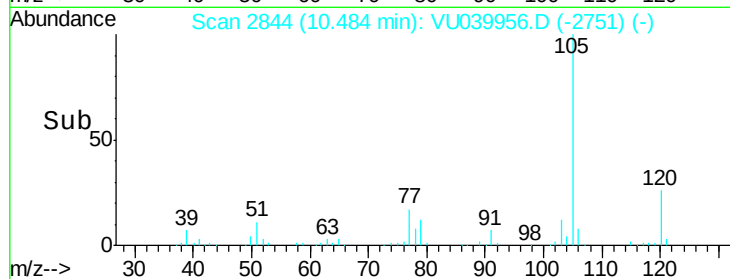
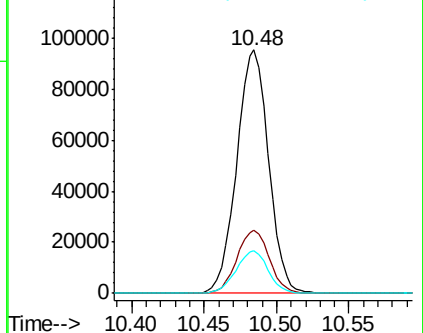
77 17.6 13.0 19.6



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: 4.553 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039956.D

Acq: 24 Aug 2020 19:00

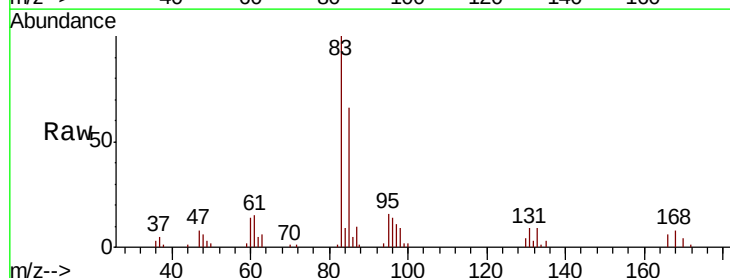
Tgt Ion: 83 Resp: 29858

Ion Ratio Lower Upper

83 100

85 65.8 42.8 79.6

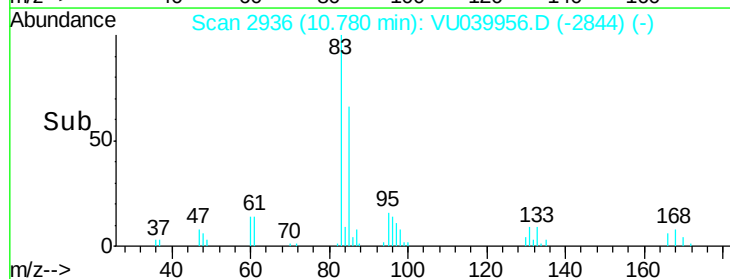
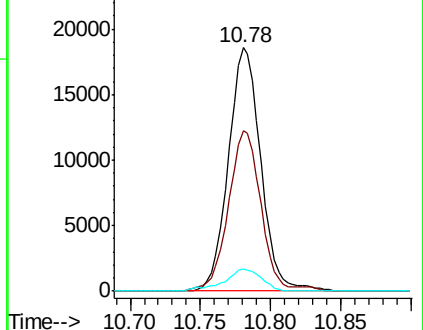
131 9.1 7.4 11.2

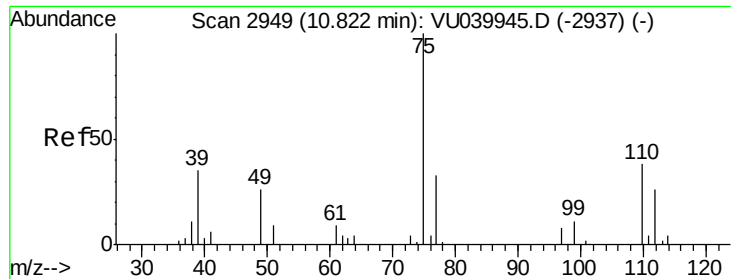


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

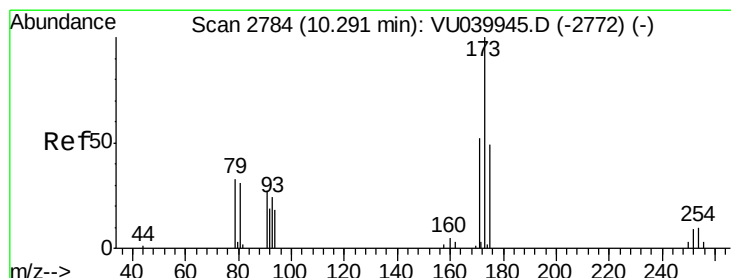
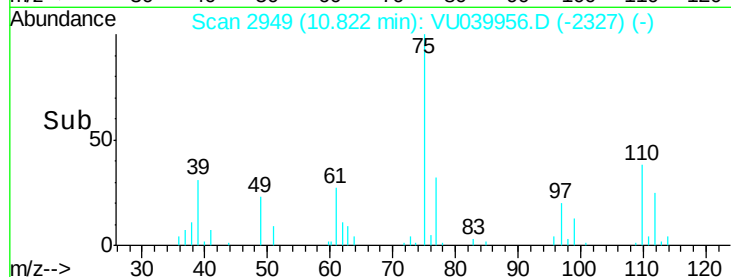
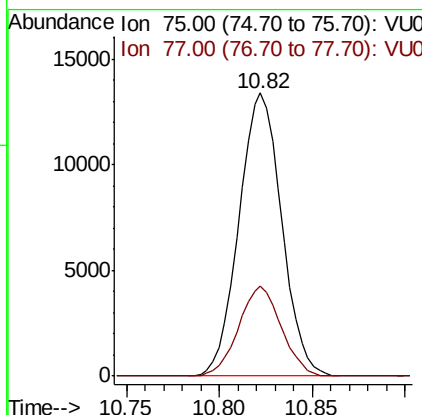
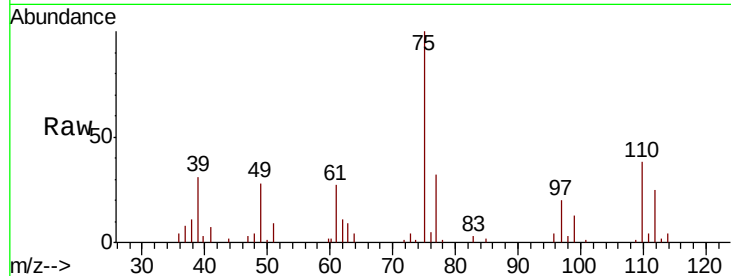




#59
 1,2,3-Trichloropropane
 Concen: 4.484 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU039956.D
 Acq: 24 Aug 2020 19:00

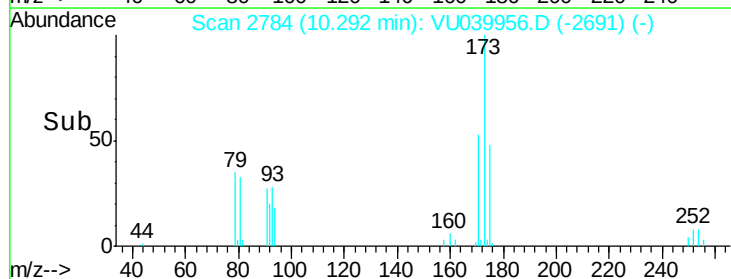
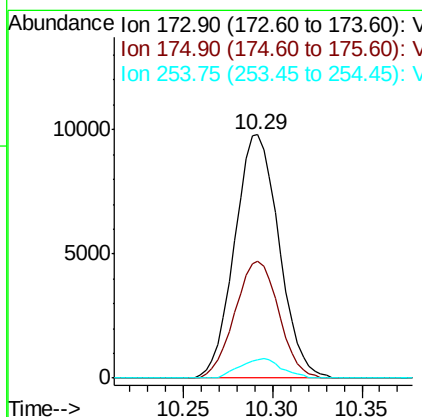
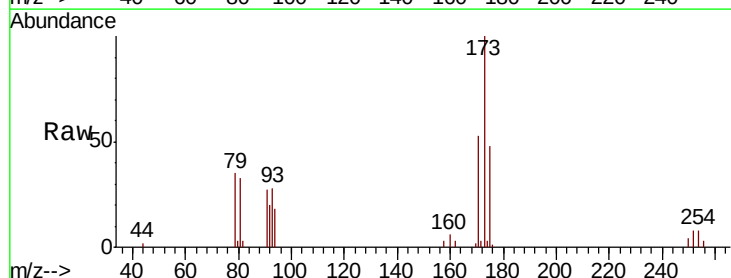
Instrument :
 MSVOA_U
 ClientSampleId :

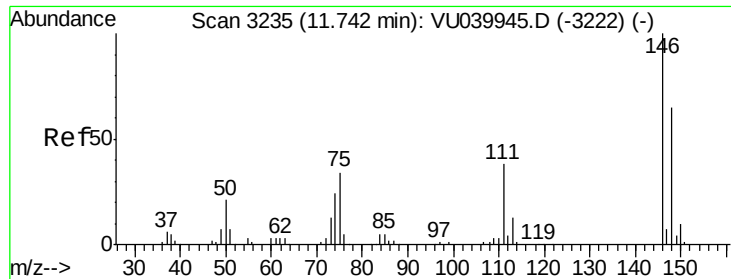
Tot Ion: 75 Resp: 21473
 Ion Ratio Lower Upper
 75 100
 77 31.6 27.4 41.2



#61
 Bromoform
 Concen: 5.304 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU039956.D
 Acq: 24 Aug 2020 19:00

Tgt Ion: 173 Resp: 16990
 Ion Ratio Lower Upper
 173 100
 175 47.3 37.6 56.4
 254 7.5 5.8 8.8

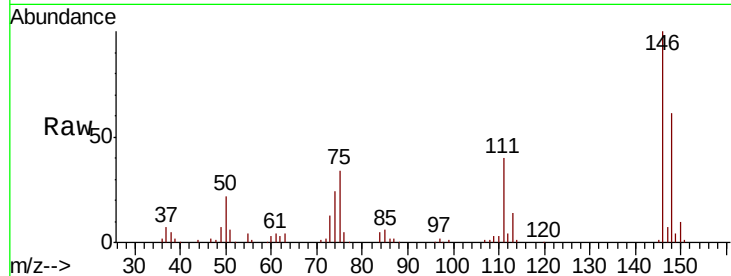




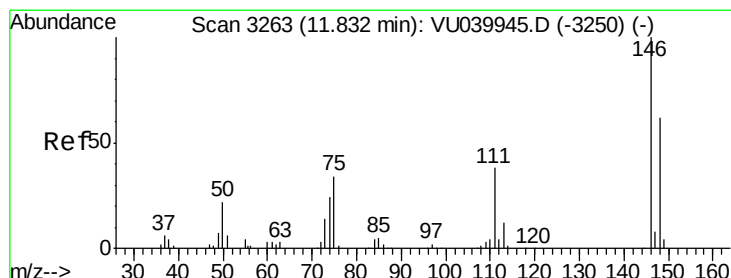
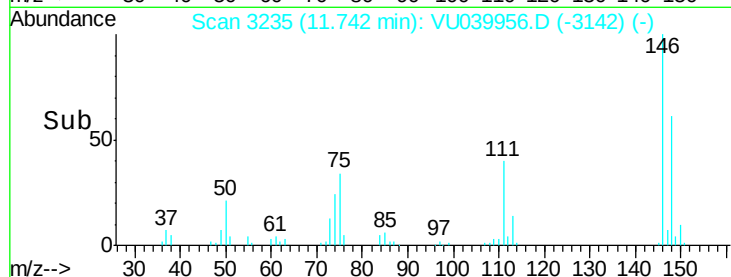
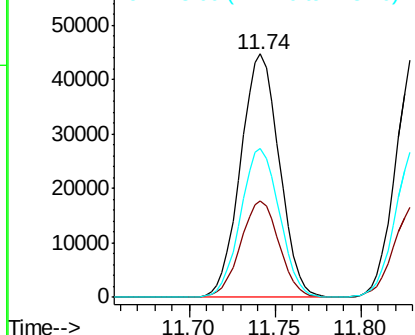
#62
 1,3-Dichlorobenzene
 Concen: 5.198 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039956.D
 Acq: 24 Aug 2020 19:00

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 70002
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.6 51.4
 148 60.9 43.8 81.4

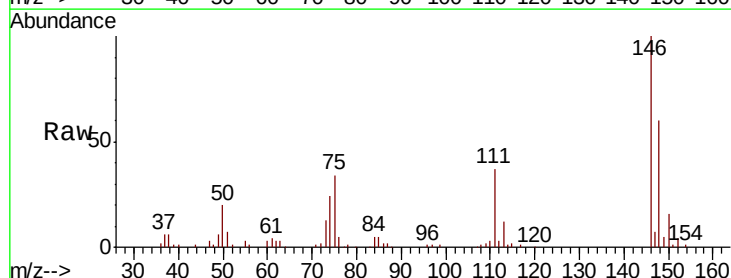


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

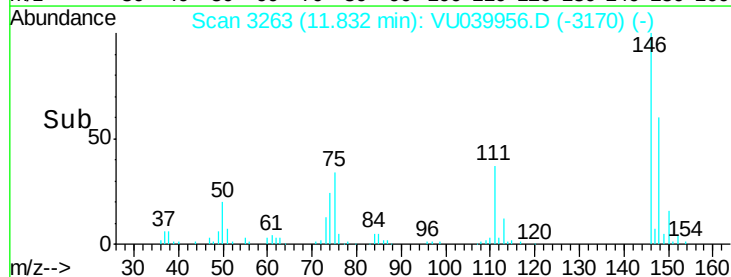
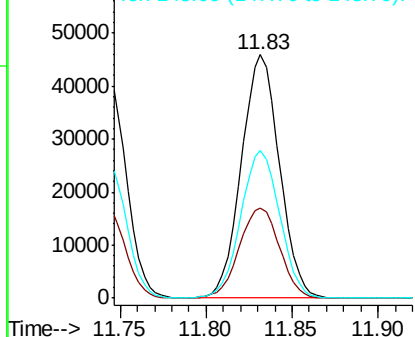


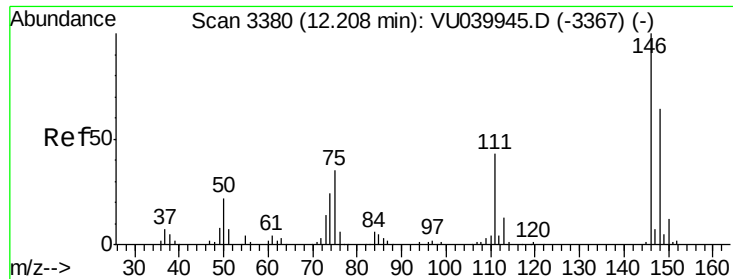
#63
 1,4-Dichlorobenzene
 Concen: 5.144 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039956.D
 Acq: 24 Aug 2020 19:00

Tgt Ion:146 Resp: 70526
 Ion Ratio Lower Upper
 146 100
 111 37.1 26.5 49.1
 148 60.4 42.8 79.4



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: 5.006 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU039956.D

Acq: 24 Aug 2020 19:00

Instrument :

MSVOA_U

ClientSampleId :

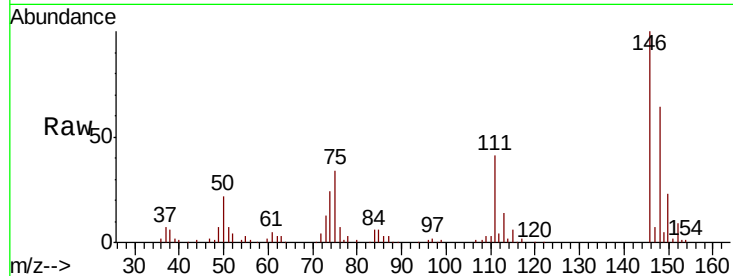
Tot Ion:146 Resp: 65063

Ion Ratio Lower Upper

146 100

111 41.5 33.4 50.0

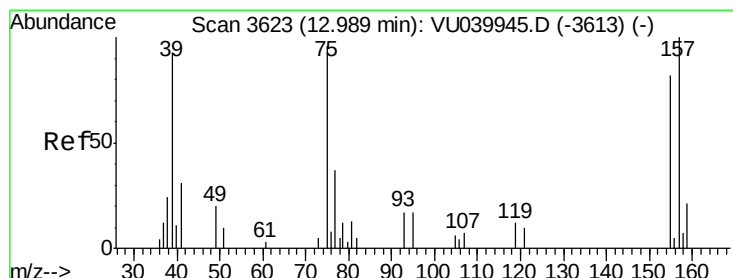
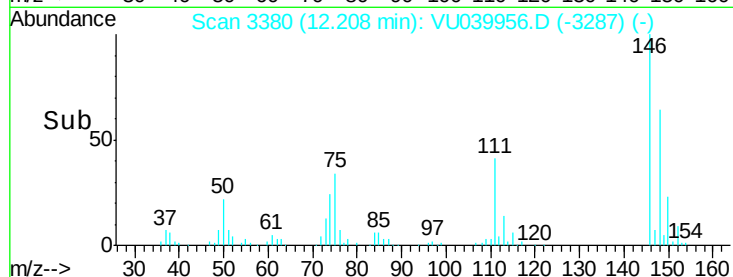
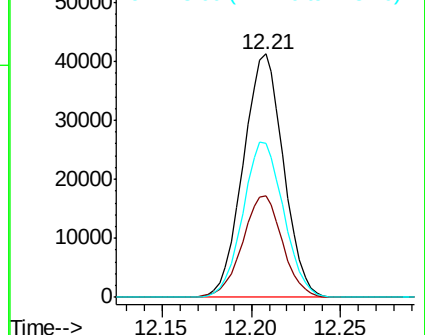
148 63.5 51.4 77.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.767 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU039956.D

Acq: 24 Aug 2020 19:00

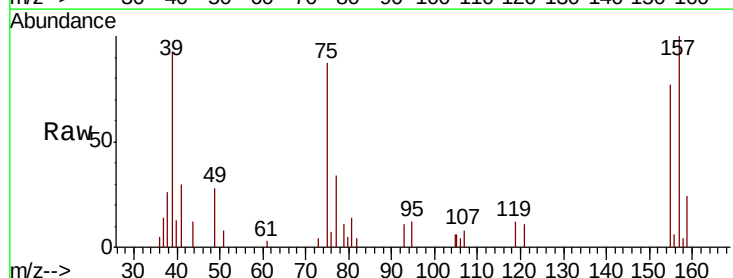
Tgt Ion: 75 Resp: 5066

Ion Ratio Lower Upper

75 100

155 87.6 54.6 82.0#

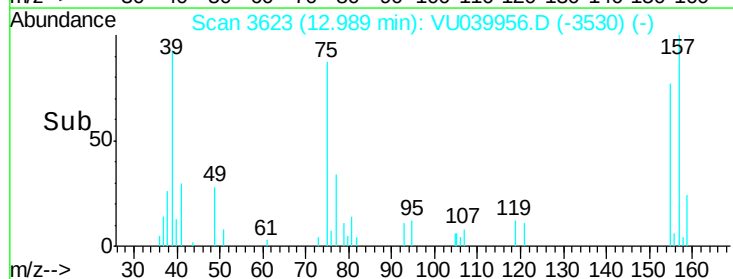
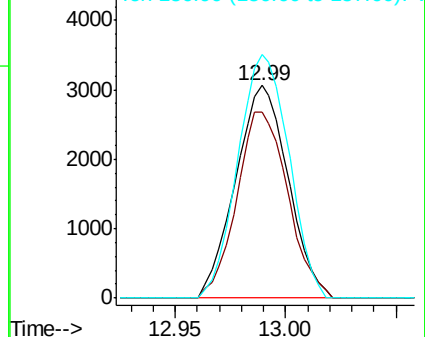
157 114.5 72.2 108.4#

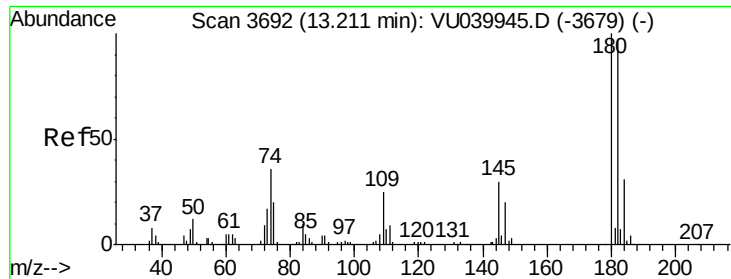


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

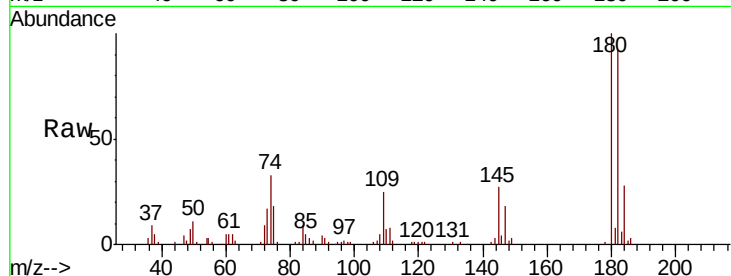




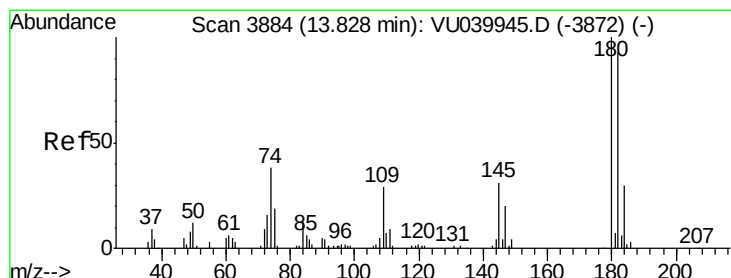
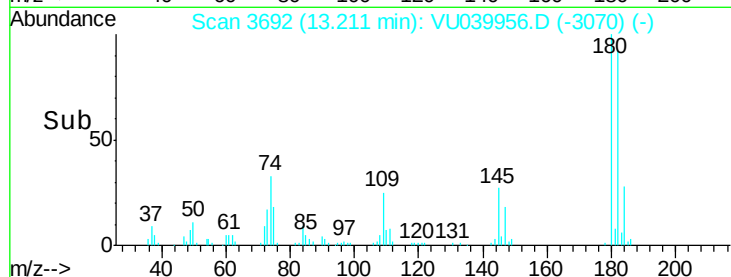
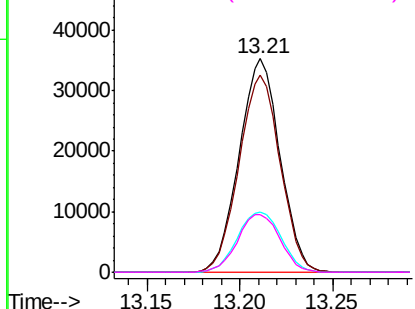
#67
 1,3,5-Trichlorobenzene
 Concen: 5.376 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039956.D
 Acq: 24 Aug 2020 19:00

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 53764
 Ion Ratio Lower Upper
 180 100
 182 93.3 79.2 118.8
 184 30.2 24.6 36.8
 145 28.1 25.7 38.5

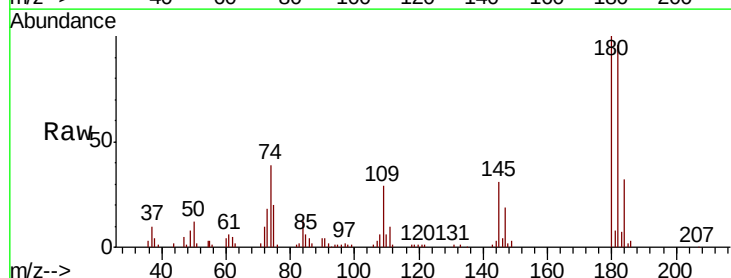


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

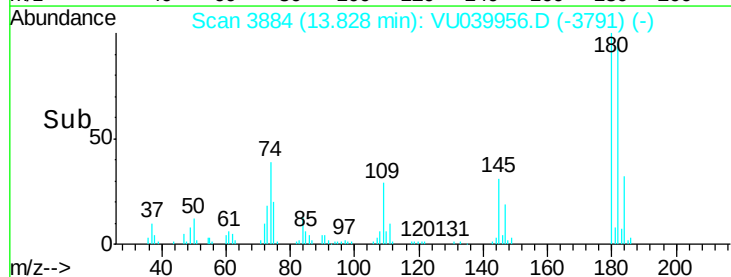
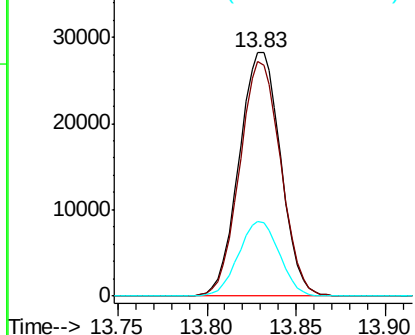


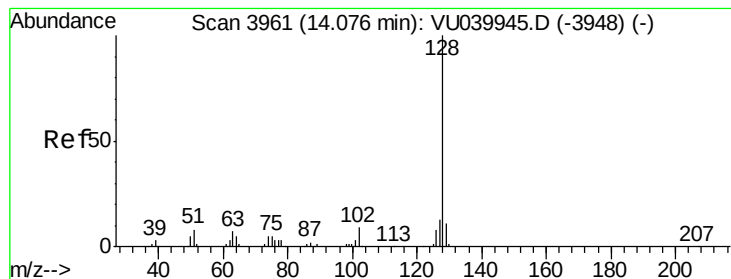
#68
 1,2,4-trichlorobenzene
 Concen: 5.385 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU039956.D
 Acq: 24 Aug 2020 19:00

Tgt Ion:180 Resp: 45938
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.2 112.8
 145 30.2 24.6 36.8



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: 4.868 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU039956.D

Acq: 24 Aug 2020 19:00

Instrument :

MSVOA_U

ClientSampleId :

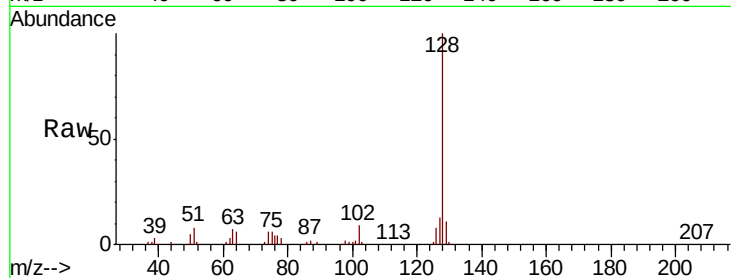
Tot Ion:128 Resp: 76713

Ion Ratio Lower Upper

128 100

129 10.5 8.5 12.7

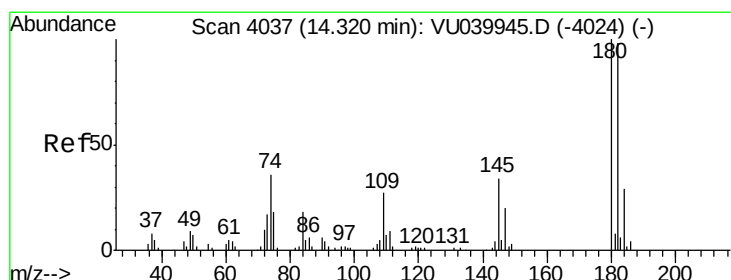
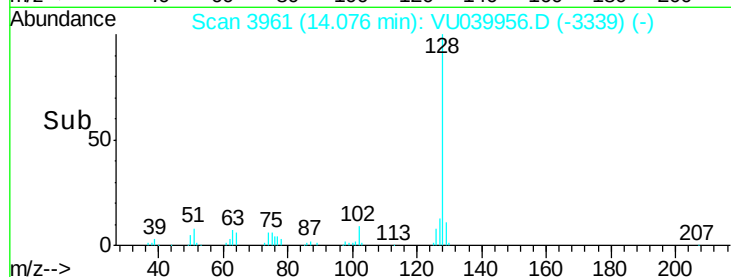
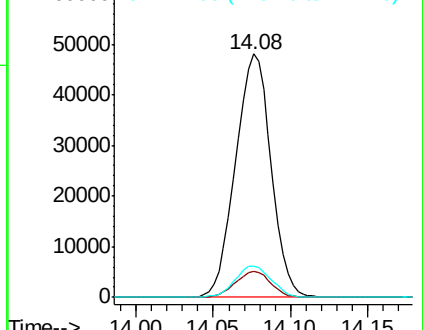
127 13.1 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.320 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU039956.D

Acq: 24 Aug 2020 19:00

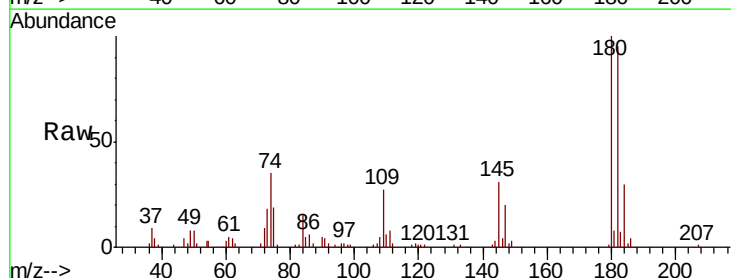
Tgt Ion:180 Resp: 42416

Ion Ratio Lower Upper

180 100

182 96.4 75.0 112.6

145 31.6 26.4 39.6



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

