

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051820\
 Data File : VU038211.D
 Acq On : 18 May 2020 10:19
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 18 22:21:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon May 18 08:51:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	383460	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	378157	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	188312	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	138130	3.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.80%
7) Chloroethane-d5	1.93	69	126711	4.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.60%
11) 1,1-Dichloroethene-d2	2.59	63	244980	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.60%
20) 2-Butanone-d5	4.68	46	526496	60.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.68%
24) Chloroform-d	5.10	84	259191	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.74	65	150123	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.76	84	499294	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	6.72	67	172199	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.93	98	440891	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
43) trans-1,3-Dichloropropene-	8.20	79	70010	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.66	63	382876	55.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.68%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	154553	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	173099	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	171097	4.879 ug/L	99
3) Chloromethane	1.53	50	193861	4.587 ug/L	99
5) Vinyl chloride	1.62	62	201256	4.860 ug/L	99
6) Bromomethane	1.88	94	101632	4.310 ug/L	98
8) Chloroethane	1.95	64	125024	4.908 ug/L	99
9) Trichlorofluoromethane	2.16	101	221809	5.238 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	139782	5.325 ug/L	99
12) 1,1-Dichloroethene	2.61	96	132816	4.991 ug/L	90
13) Acetone	2.67	43	338706	62.383 ug/L	99
14) Carbon disulfide	2.82	76	442653	4.663 ug/L	99
15) Methyl Acetate	2.99	43	79270	5.219 ug/L	98
16) Methylene chloride	3.08	84	152576	4.919 ug/L	99
17) Methyl tert-butyl Ether	3.40	73	365170	4.939 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	145227	4.999 ug/L	98
19) 1,1-Dichloroethane	3.91	63	290892	5.126 ug/L	99
21) 2-Butanone	4.76	43	581348	60.663 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	160000	5.111 ug/L	99

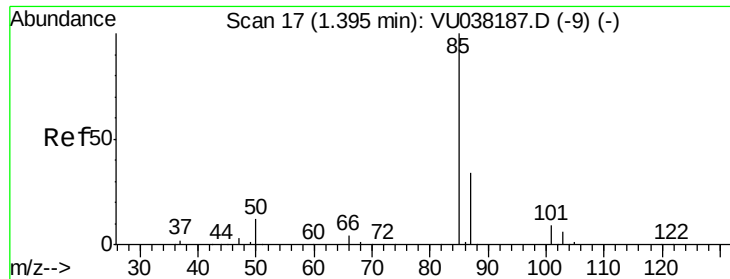
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051820\
 Data File : VU038211.D
 Acq On : 18 May 2020 10:19
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 18 22:21:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon May 18 08:51:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	70147	5.207	ug/L	94
25) Chloroform	5.13	83	271723	5.134	ug/L	97
27) 1,2-Dichloroethane	5.83	62	194651	5.210	ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	223777	5.165	ug/L	99
30) Cyclohexane	5.43	56	260592	5.094	ug/L	100
31) Carbon tetrachloride	5.56	117	183840	5.279	ug/L	99
33) Benzene	5.81	78	620522	5.124	ug/L	100
34) Trichloroethene	6.57	95	151661	5.007	ug/L	96
35) Methylcyclohexane	6.79	83	253778	5.173	ug/L	97
37) 1,2-Dichloropropane	6.82	63	165371	5.028	ug/L	100
38) Bromodichloromethane	7.13	83	197894	5.204	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	244027	5.184	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	1267519	55.600	ug/L	99
42) Toluene	8.00	91	647278	5.063	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	211122	5.274	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	118828	5.202	ug/L	96
47) Tetrachloroethene	8.58	164	107504	5.075	ug/L	99
48) 2-Hexanone	8.71	43	962761	57.666	ug/L	99
49) Dibromochloromethane	8.84	129	126708	5.345	ug/L	98
50) 1,2-Dibromoethane	8.95	107	114028	5.379	ug/L	100
51) Chlorobenzene	9.47	112	410626	5.176	ug/L	98
52) Ethylbenzene	9.59	91	719360	5.195	ug/L	100
53) m,p-Xylene	9.71	106	276464	5.207	ug/L	95
54) o-Xylene	10.12	106	264732	5.157	ug/L	99
55) Styrene	10.13	104	450707	5.230	ug/L	99
56) Isopropylbenzene	10.50	105	692043	5.248	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	154965	5.343	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	117769	5.335	ug/L	97
61) Bromoform	10.31	173	70124	5.509	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	316873	5.172	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	322750	5.198	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	302623	5.134	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	26416	5.483	ug/L	99
67) 1,3,5-Trichlorobenzene	13.25	180	233265	5.247	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	215004	5.332	ug/L	98
69) Naphthalene	14.12	128	459076	5.407	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	200107	5.339	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.879 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038211.D

Acq: 18 May 2020 10:19

Instrument :

MSVOA_U

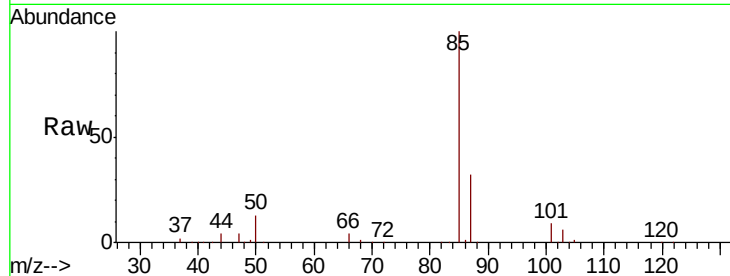
ClientSampleId :

Tot Ion: 85 Resp: 171097

Ion Ratio Lower Upper

85 100

87 32.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038211.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU038211.D (-1) (-)

1.39

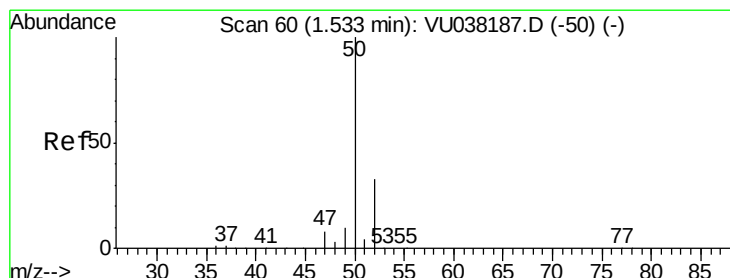
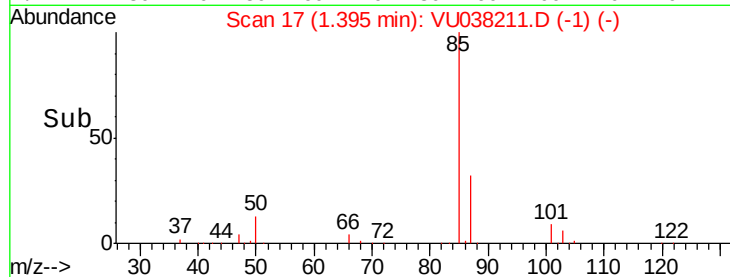
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.587 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038211.D

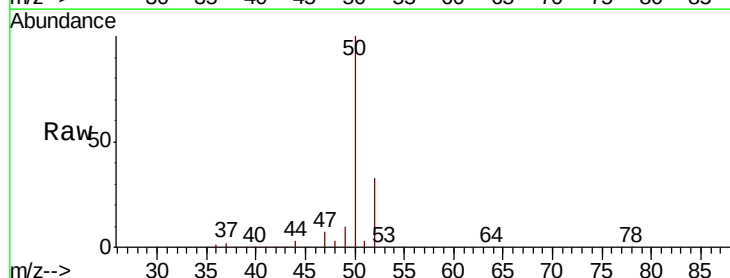
Acq: 18 May 2020 10:19

Tgt Ion: 50 Resp: 193861

Ion Ratio Lower Upper

50 100

52 32.5 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU038211.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU038211.D (-1) (-)

1.53

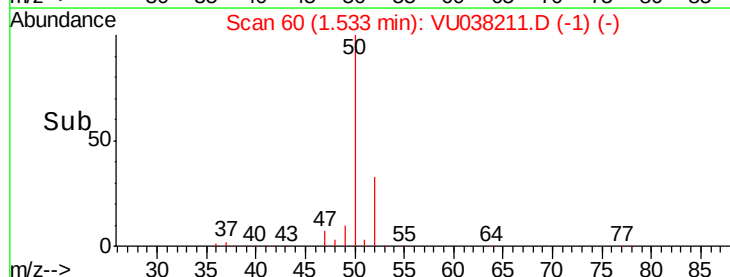
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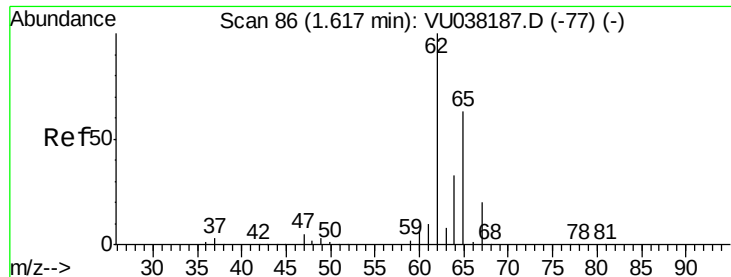
100000

50000

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Time-->





#5

Vinyl chloride

Concen: 4.860 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038211.D

Acq: 18 May 2020 10:19

Instrument :

MSVOA_U

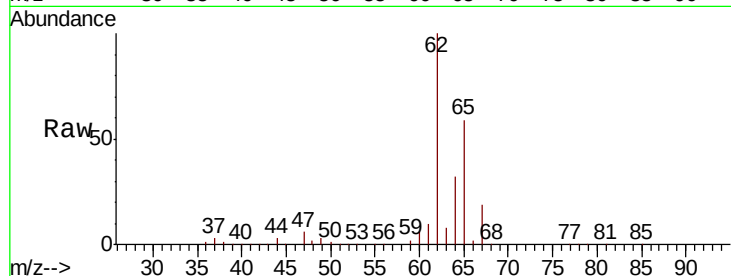
ClientSampled :

Tot Ion: 62 Resp: 201256

Ion Ratio Lower Upper

62 100

64 32.1 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU038187.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU038211.D (-1) (-)

1.62

200000

150000

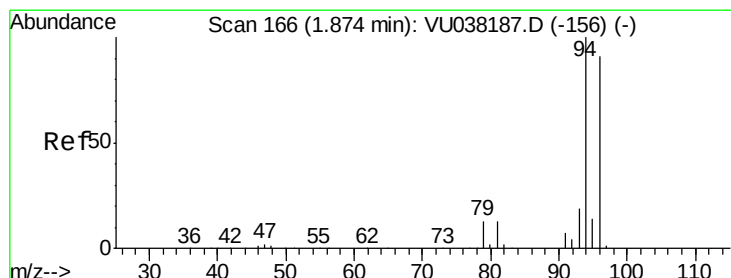
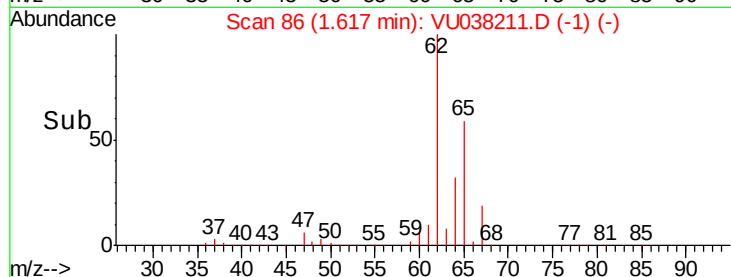
100000

50000

0

1.55 1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 4.310 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU038211.D

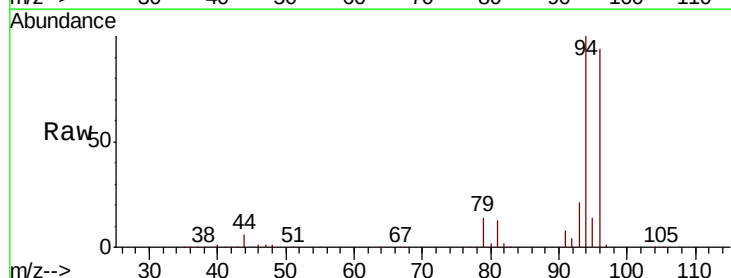
Acq: 18 May 2020 10:19

Tgt Ion: 94 Resp: 101632

Ion Ratio Lower Upper

94 100

96 94.3 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU038187.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU038211.D (-73) (-)

1.88

80000

60000

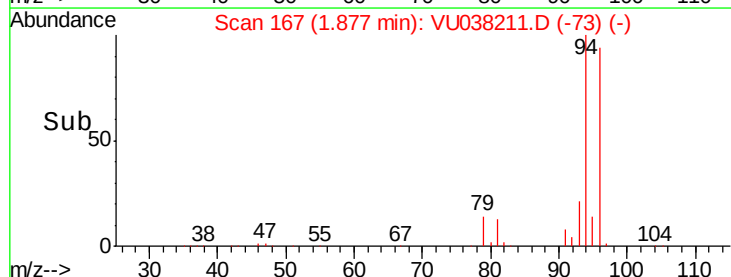
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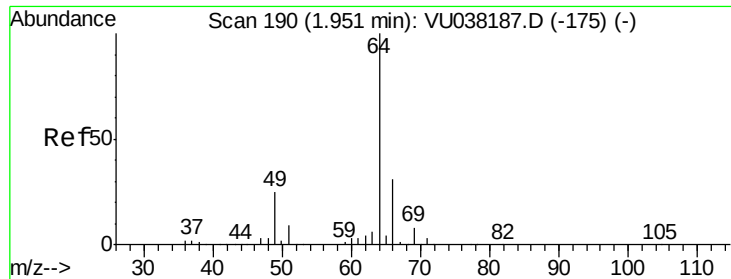
20000

0

1.85 1.90 1.95

Time-->

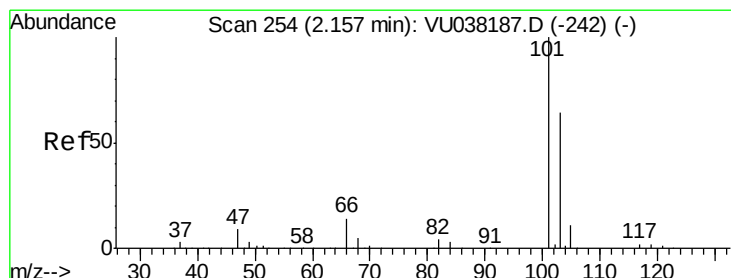
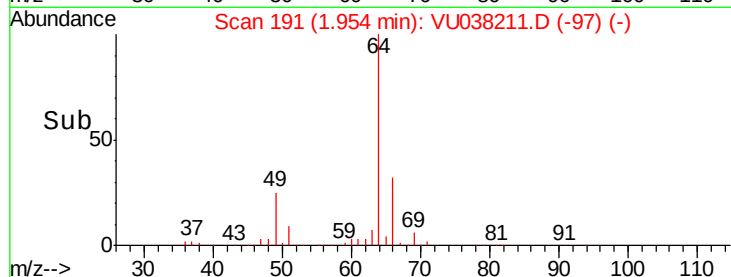
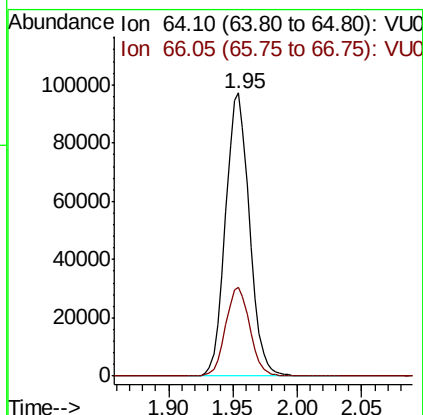
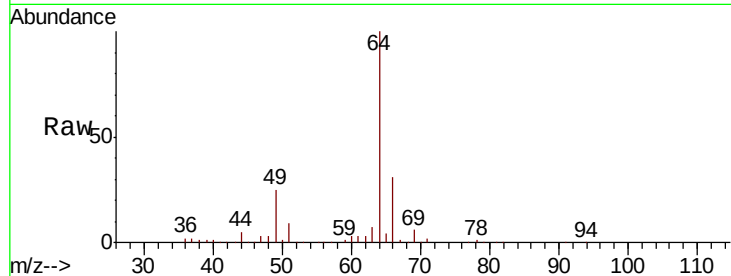




#8
Chloroethane
Concen: 4.908 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU038211.D
Acq: 18 May 2020 10:19

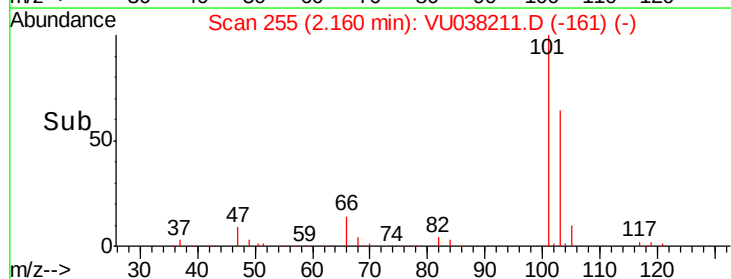
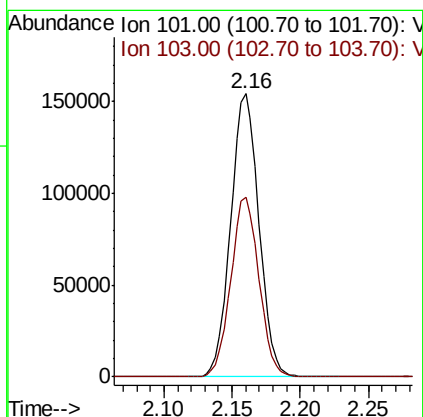
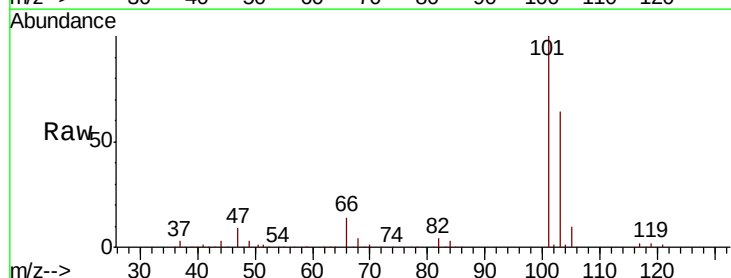
Instrument :
MSVOA_U
ClientSampleId :

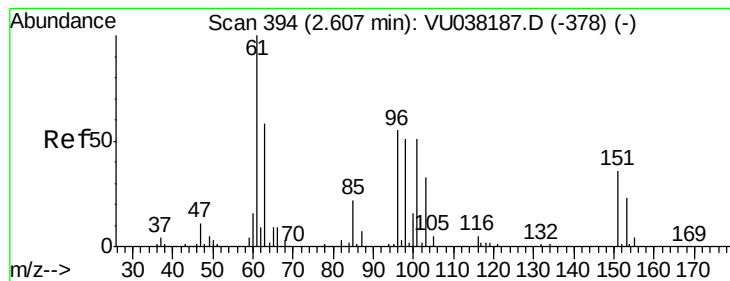
Tot Ion: 64 Resp: 125024
Ion Ratio Lower Upper
64 100
66 31.5 21.8 40.4



#9
Trichlorofluoromethane
Concen: 5.238 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038211.D
Acq: 18 May 2020 10:19

Tgt Ion:101 Resp: 221809
Ion Ratio Lower Upper
101 100
103 63.1 51.0 76.4





#10

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

Concen: 5.325 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038211.D

Acq: 18 May 2020 10:19

Instrument :

MSVOA_U

ClientSampled :

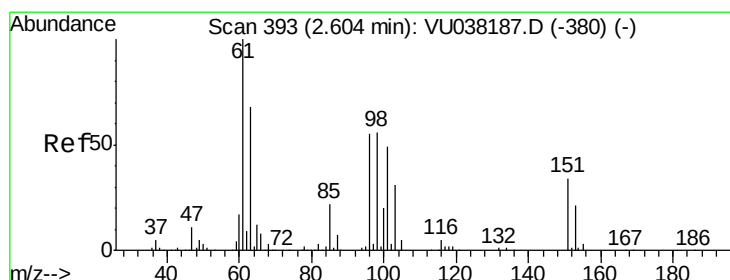
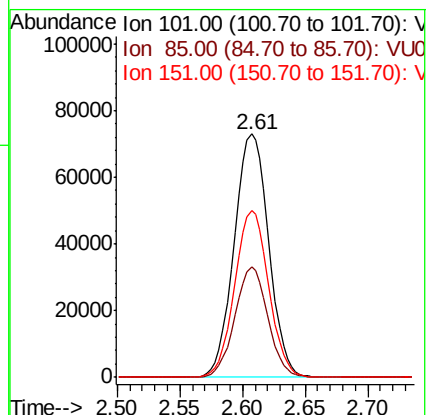
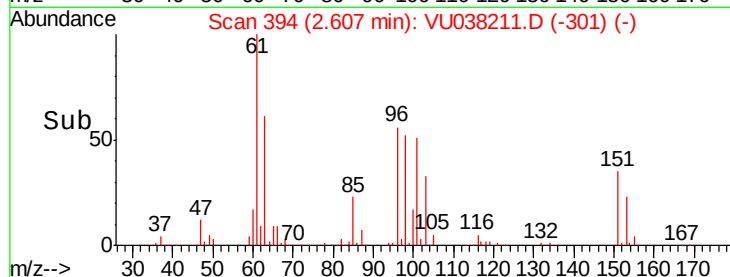
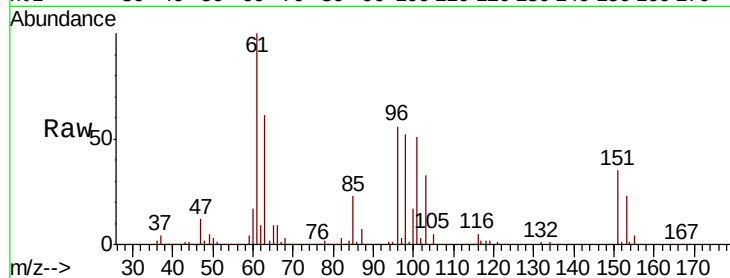
Tot Ion:101 Resp: 139782

Ion Ratio Lower Upper

101 100

85 43.3 35.3 52.9

151 67.4 54.2 81.2



#12

1,1-Dichloroethene

Concen: 4.991 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038211.D

Acq: 18 May 2020 10:19

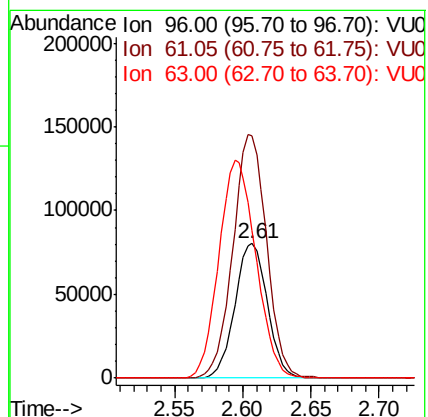
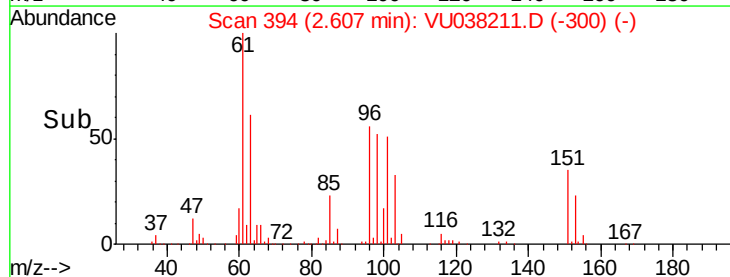
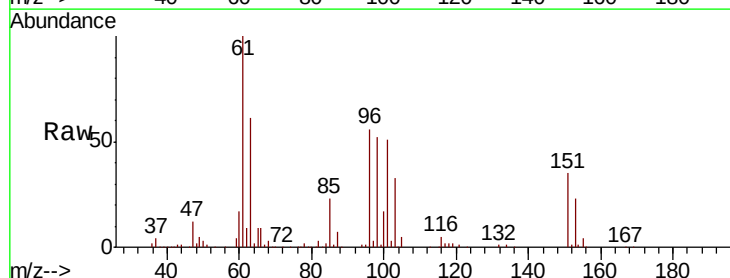
Tgt Ion: 96 Resp: 132816

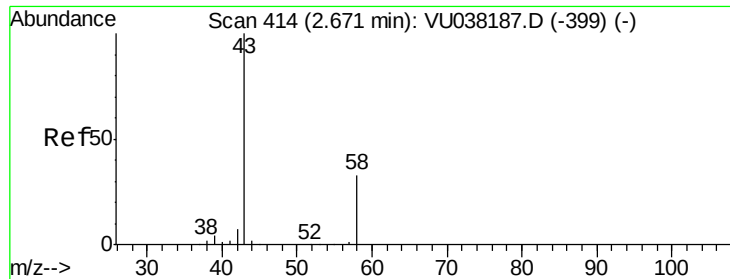
Ion Ratio Lower Upper

96 100

61 180.1 126.2 234.4

63 109.4 96.9 179.9





#13

Acetone

Concen: 62.383 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU038211.D

Acq: 18 May 2020 10:19

Instrument :

MSVOA_U

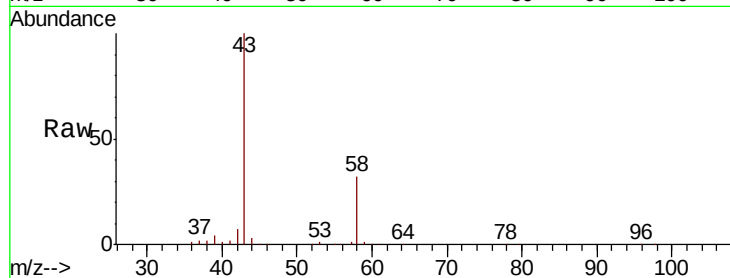
ClientSampleId :

Tot Ion: 43 Resp: 338706

Ion Ratio Lower Upper

43 100

58 32.1 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038187.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU038187.D (-399) (-)

2.67

120000

100000

80000

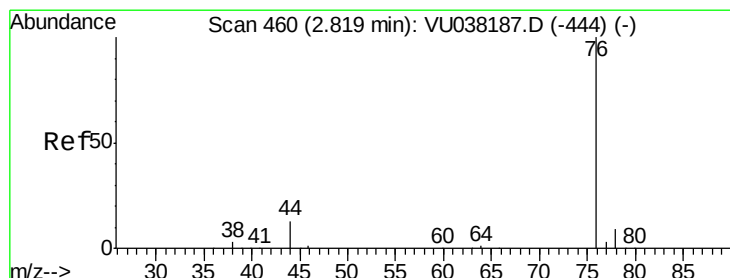
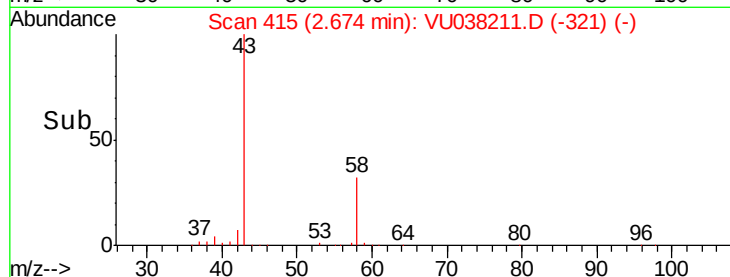
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 4.663 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038211.D

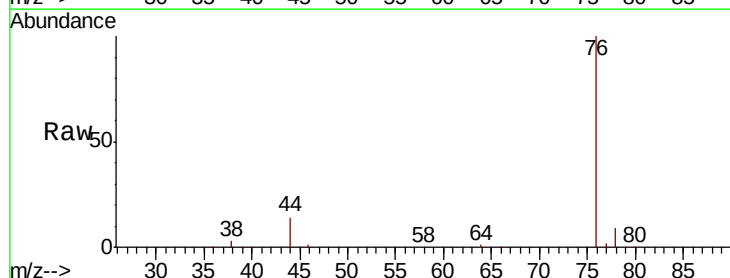
Acq: 18 May 2020 10:19

Tgt Ion: 76 Resp: 442653

Ion Ratio Lower Upper

76 100

78 8.5 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038187.D (-444) (-)

Ion 78.00 (77.70 to 78.70): VU038187.D (-444) (-)

2.82

300000

250000

200000

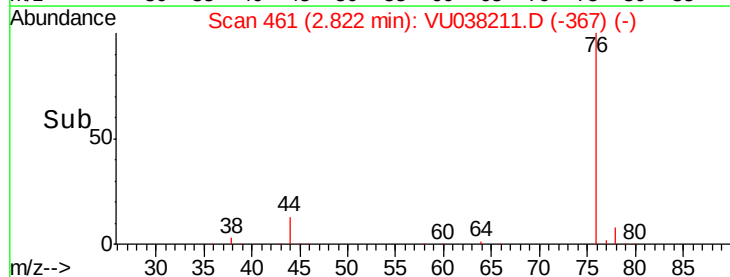
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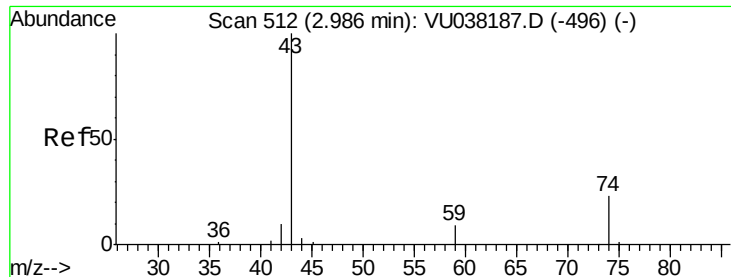
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50000

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Time-->

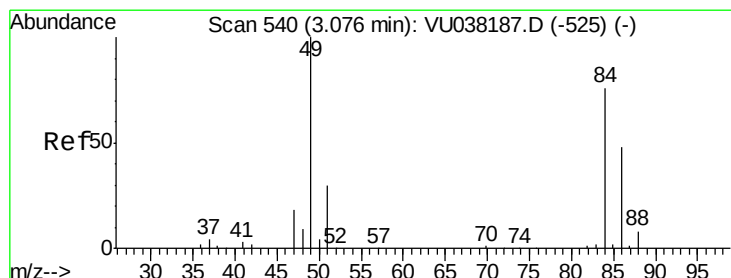
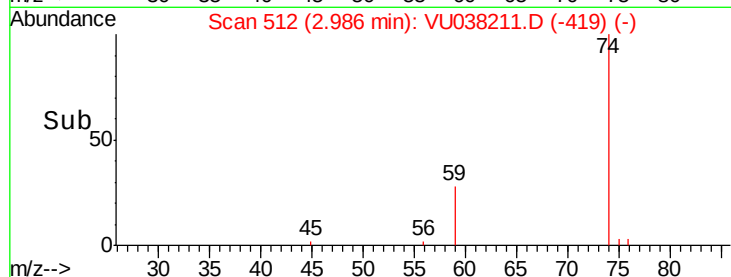
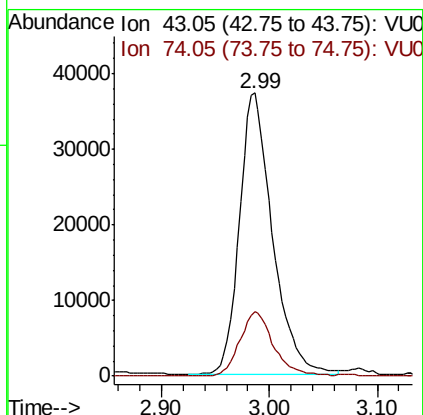
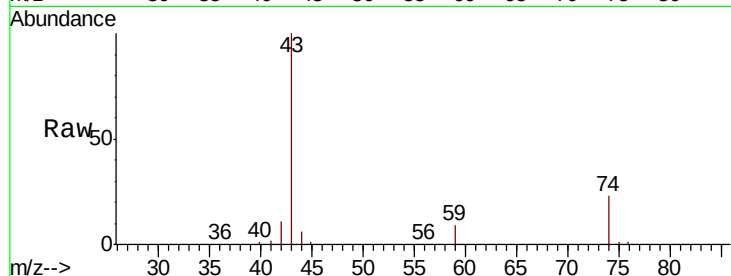




#15
Methvl Acetate
Concen: 5.219 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU038211.D
Acq: 18 May 2020 10:19

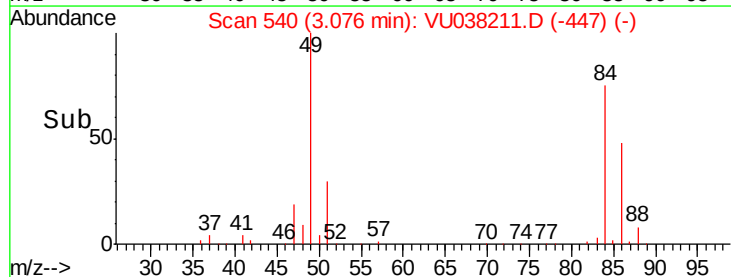
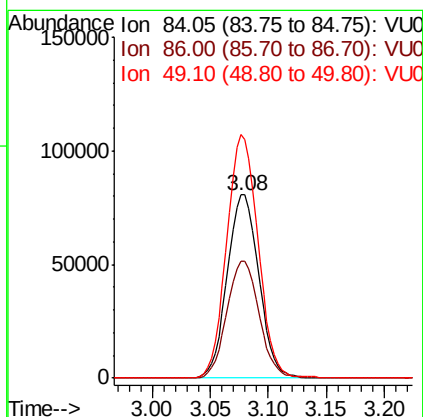
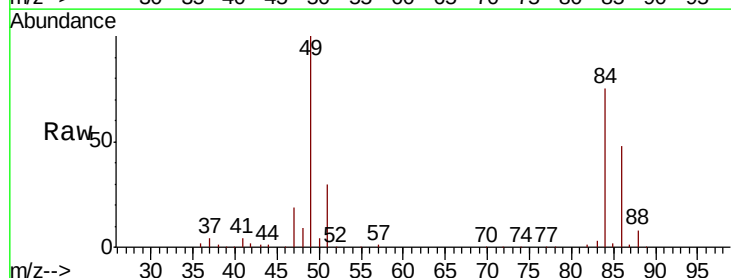
Instrument :
MSVOA_U
ClientSampleId :

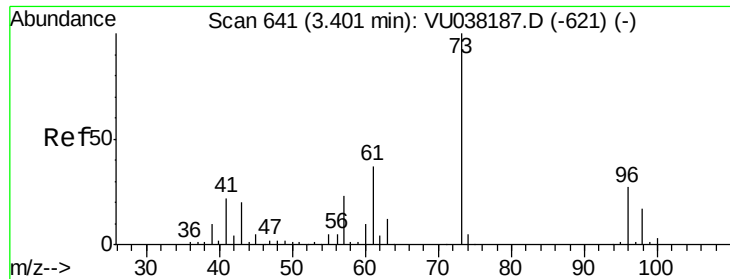
Tot Ion: 43 Resp: 79270
Ion Ratio Lower Upper
43 100
74 23.4 18.0 27.0



#16
Methylene chloride
Concen: 4.919 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038211.D
Acq: 18 May 2020 10:19

Tgt Ion: 84 Resp: 152576
Ion Ratio Lower Upper
84 100
86 63.8 44.9 83.3
49 133.0 92.0 170.9

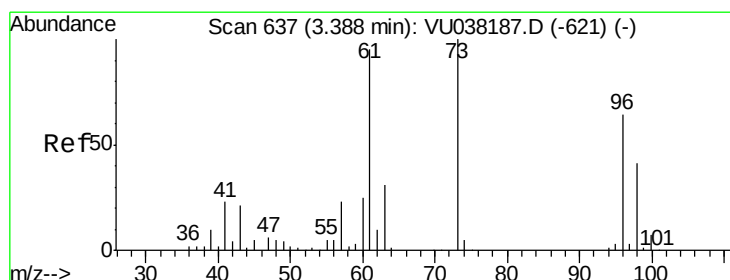
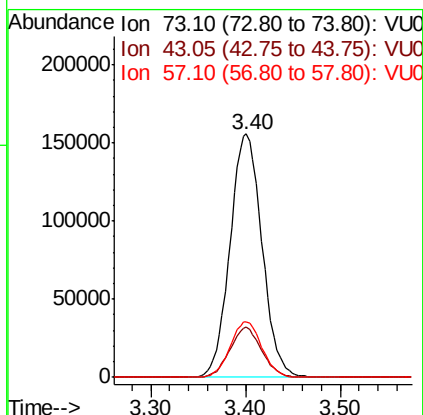
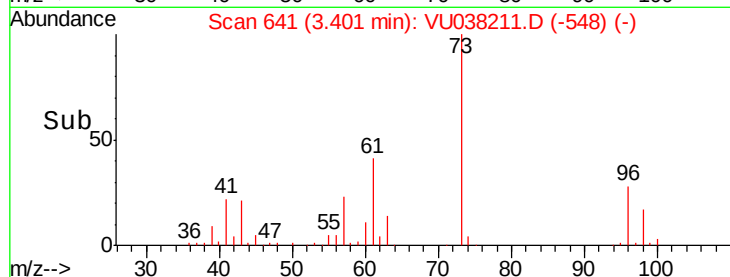
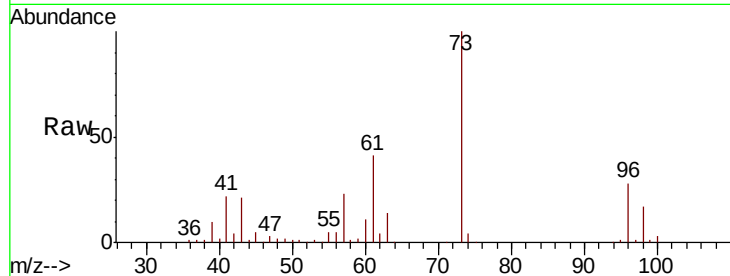




#17
Methvl tert-butvl Ether
Concen: 4.939 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038211.D
Acq: 18 May 2020 10:19

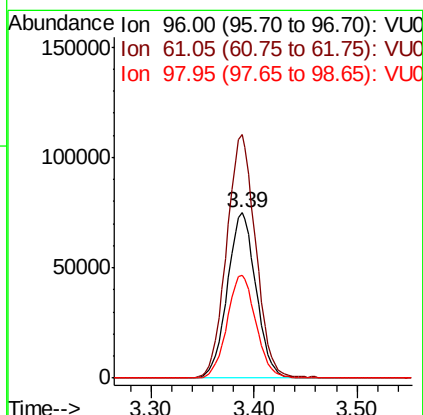
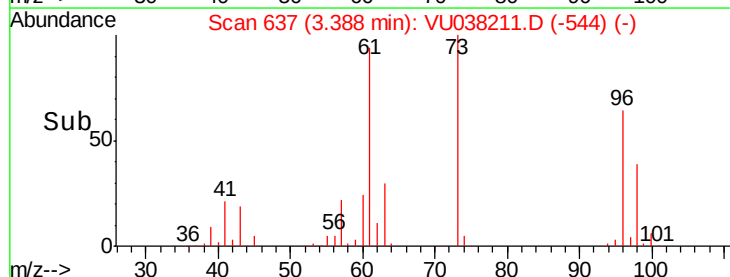
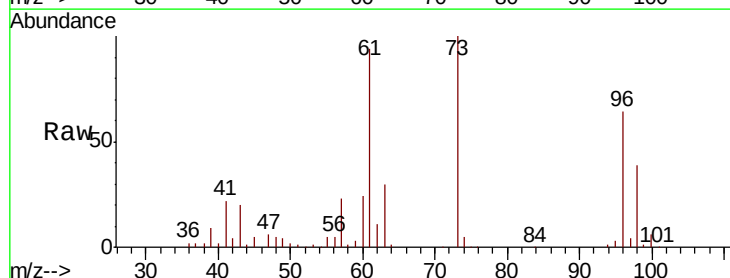
Instrument :
MSVOA_U
ClientSampleId :

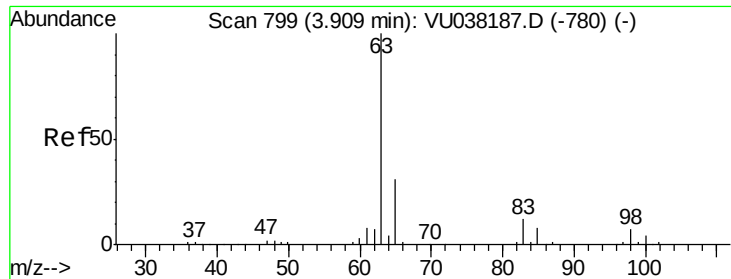
Tot Ion: 73 Resp: 365170
Ion Ratio Lower Upper
73 100
43 20.2 16.9 25.3
57 22.6 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 4.999 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038211.D
Acq: 18 May 2020 10:19

Tgt Ion: 96 Resp: 145227
Ion Ratio Lower Upper
96 100
61 147.2 102.1 189.5
98 62.0 45.6 84.8

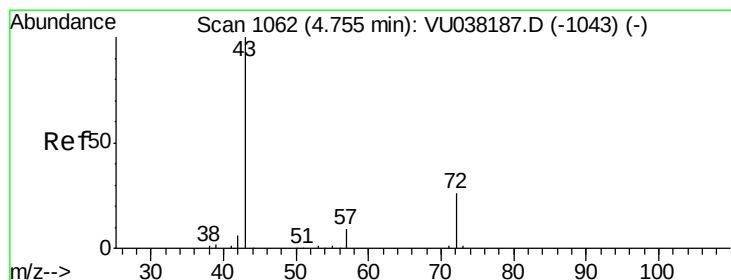
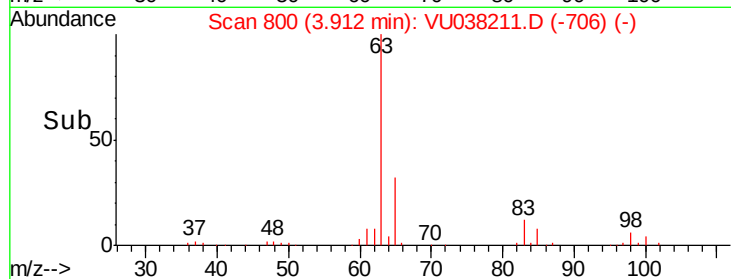
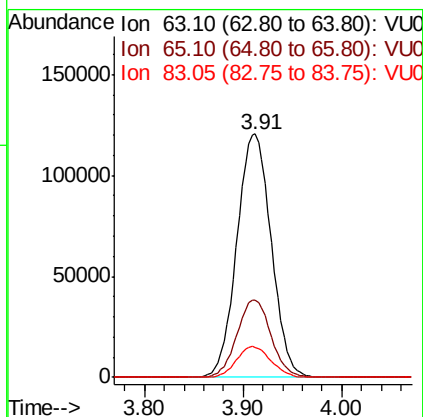
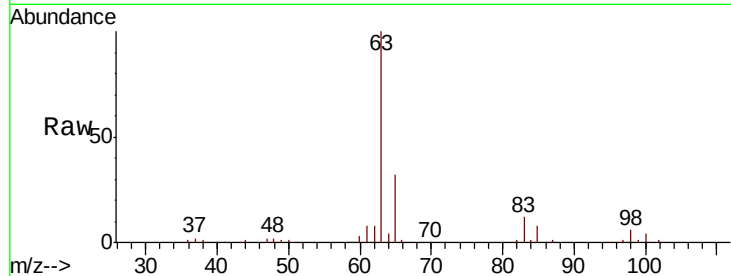




#19
 1,1-Dichloroethane
 Concen: 5.126 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU038211.D
 Acq: 18 May 2020 10:19

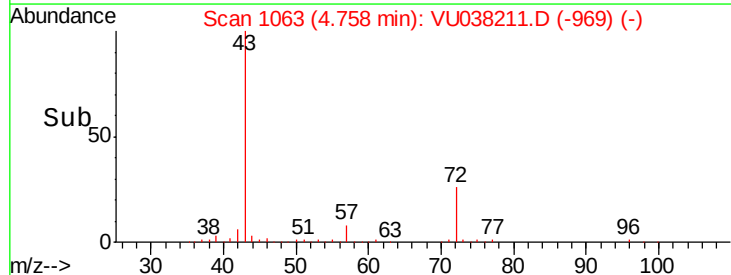
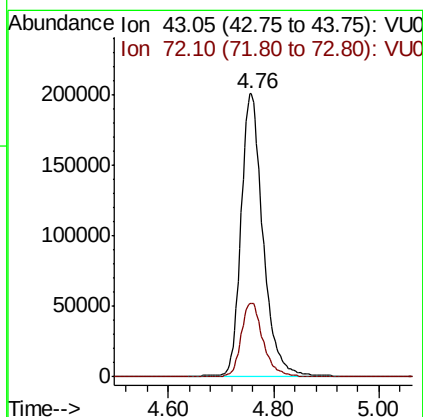
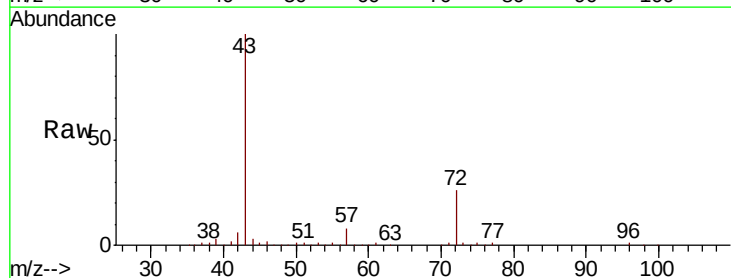
Instrument :
 MSVOA_U
 ClientSampled :

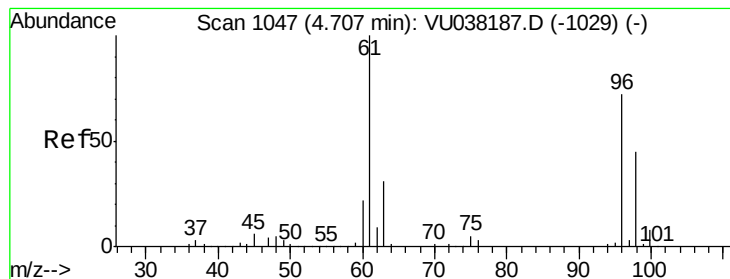
Tot Ion: 63 Resp: 290892
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.5 41.7
 83 12.5 8.9 16.5



#21
 2-Butanone
 Concen: 60.663 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VU038211.D
 Acq: 18 May 2020 10:19

Tgt Ion: 43 Resp: 581348
 Ion Ratio Lower Upper
 43 100
 72 26.3 13.5 40.4





#22

cis-1,2-Dichloroethene

Concen: 5.111 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU038211.D

Acq: 18 May 2020 10:19

Instrument :
MSVOA_U
ClientSampled :

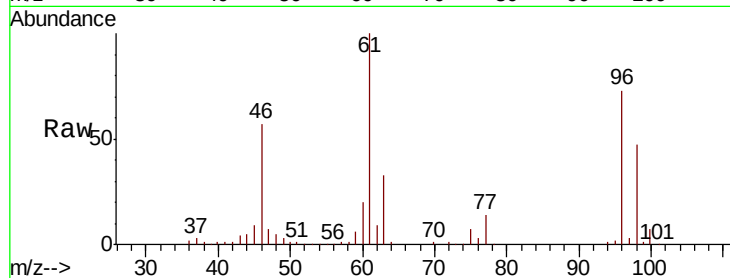
Tot Ion: 96 Resp: 160000

Ion Ratio Lower Upper

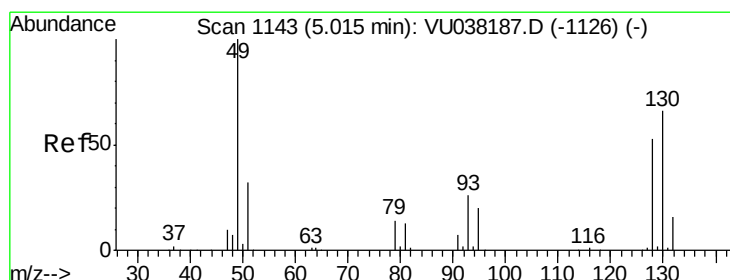
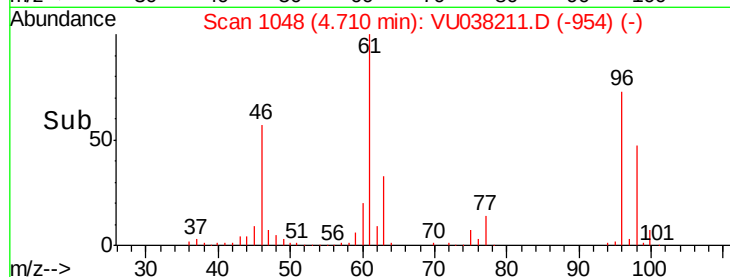
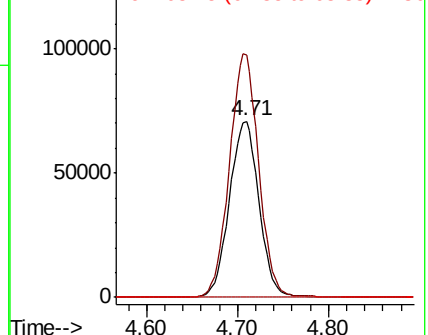
96 100

61 137.8 95.3 176.9

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: 5.207 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU038211.D

Acq: 18 May 2020 10:19

Tgt Ion:128 Resp: 70147

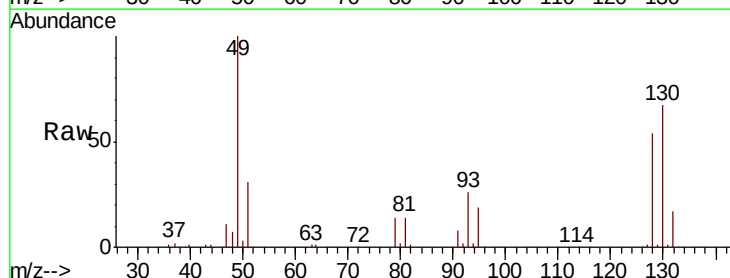
Ion Ratio Lower Upper

128 100

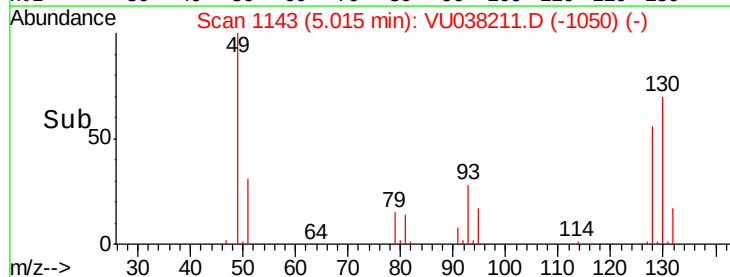
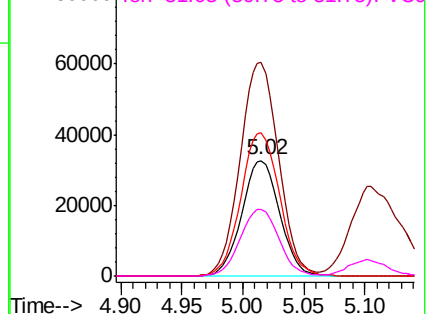
49 185.2 135.6 251.8

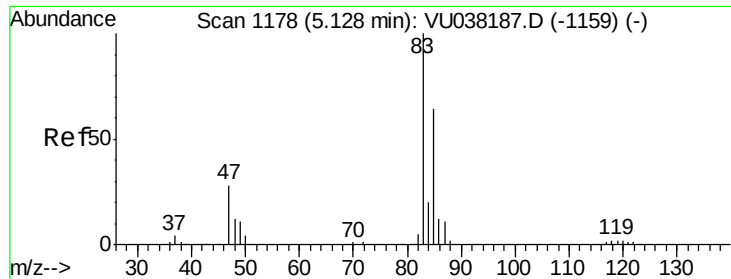
130 123.8 91.4 169.8

51 57.3 49.6 74.4



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

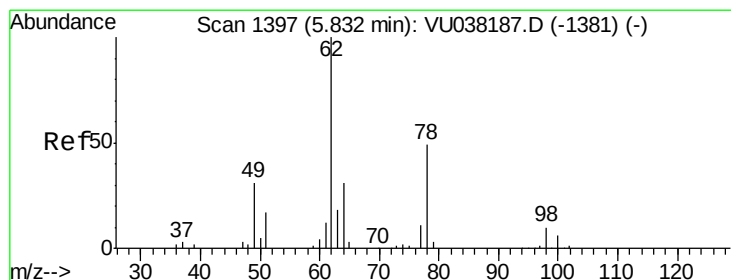
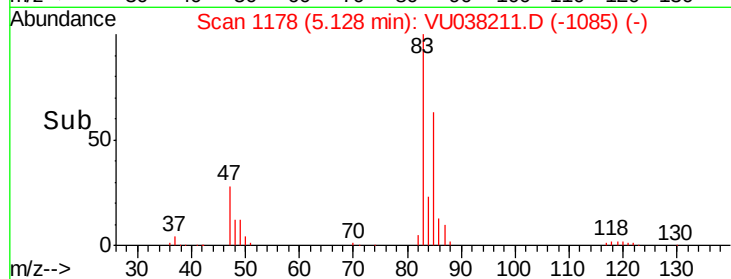
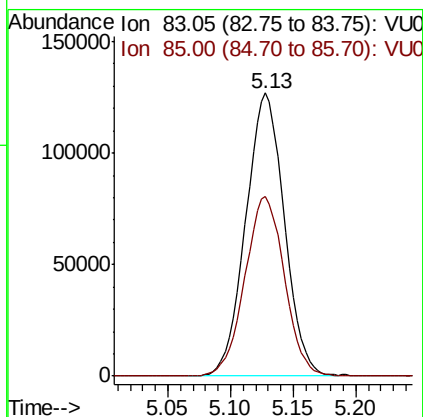
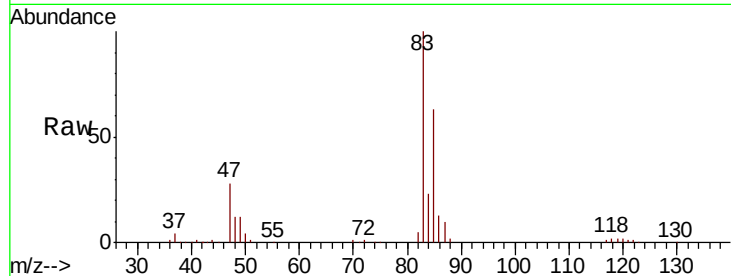




#25
Chloroform
Concen: 5.134 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038211.D
Acq: 18 May 2020 10:19

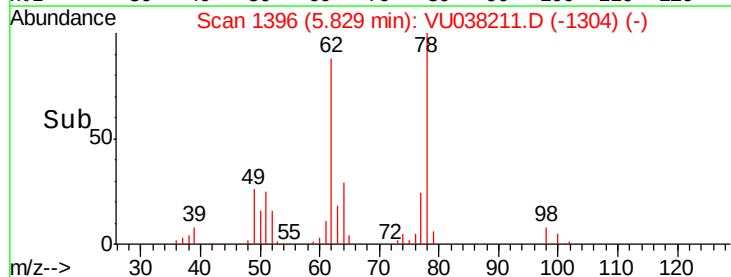
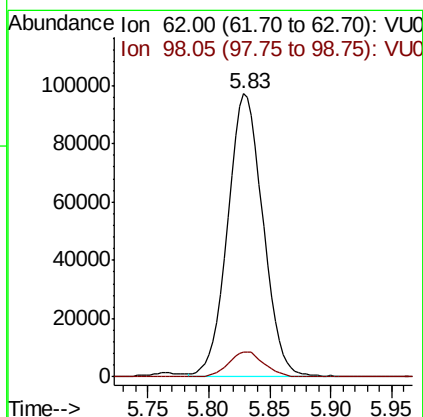
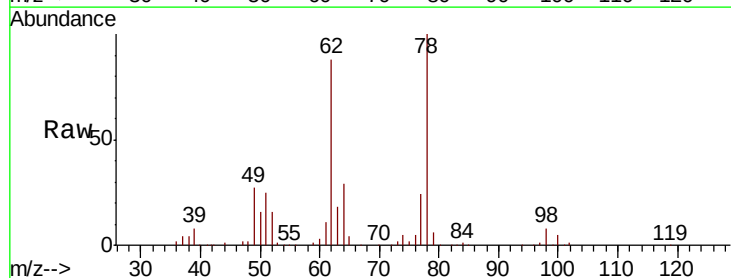
Instrument :
MSVOA_U
ClientSampled :

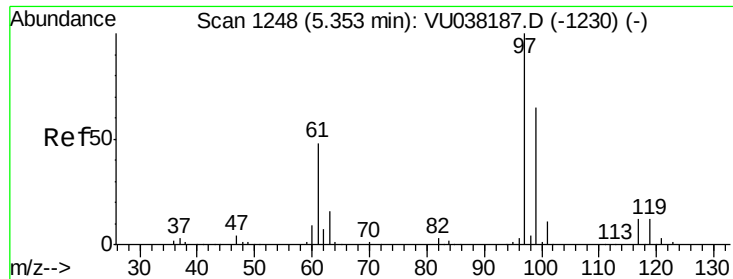
Tot Ion: 83 Resp: 271723
Ion Ratio Lower Upper
83 100
85 63.4 46.2 85.8



#27
1,2-Dichloroethane
Concen: 5.210 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038211.D
Acq: 18 May 2020 10:19

Tgt Ion: 62 Resp: 194651
Ion Ratio Lower Upper
62 100
98 9.0 7.8 11.8

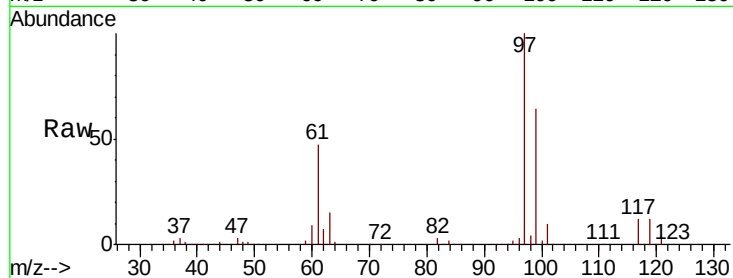




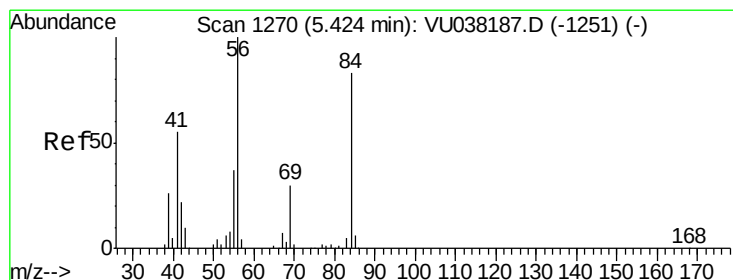
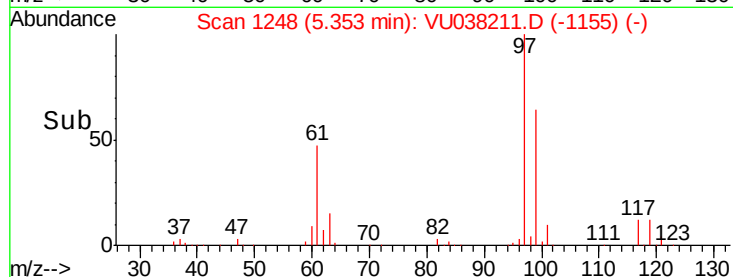
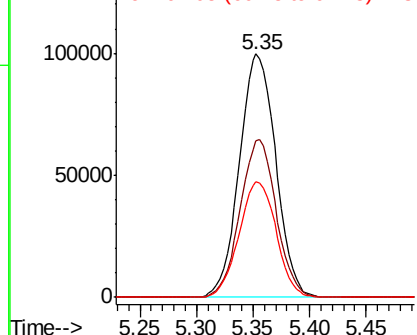
#29
1,1,1-Trichloroethane
Concen: 5.165 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU038211.D
Acq: 18 May 2020 10:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 97 Resp: 223777
Ion Ratio Lower Upper
97 100
99 64.3 51.0 76.4
61 48.5 38.2 57.4

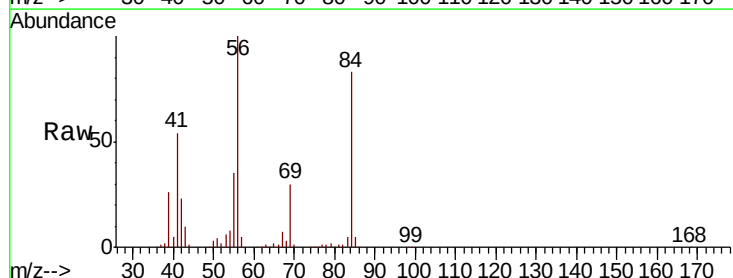


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

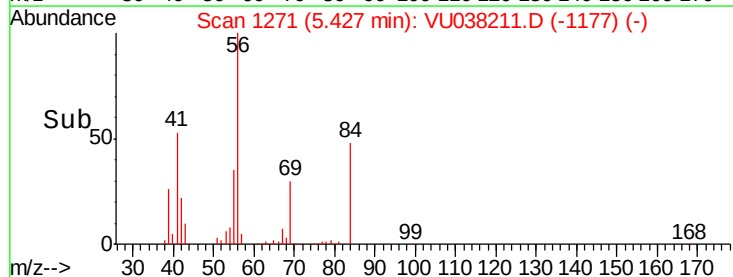
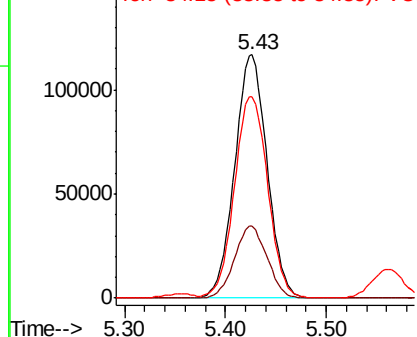


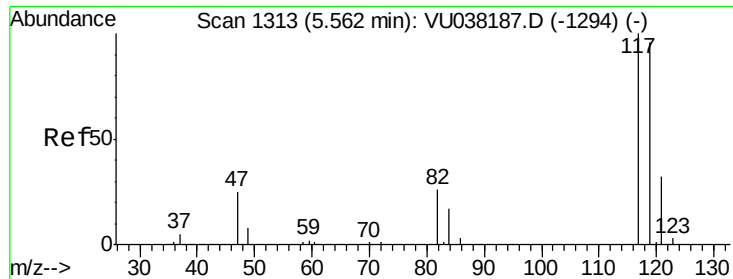
#30
Cyclohexane
Concen: 5.094 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU038211.D
Acq: 18 May 2020 10:19

Tgt Ion: 56 Resp: 260592
Ion Ratio Lower Upper
56 100
69 29.8 24.2 36.4
84 85.3 68.5 102.7



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

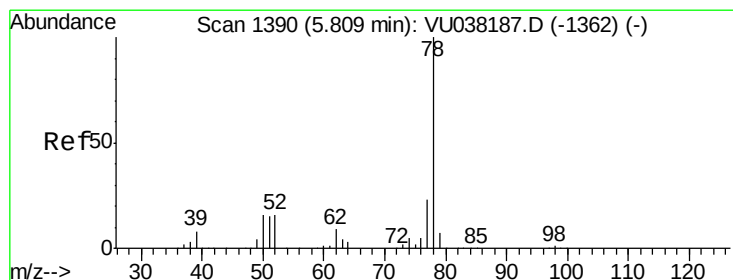
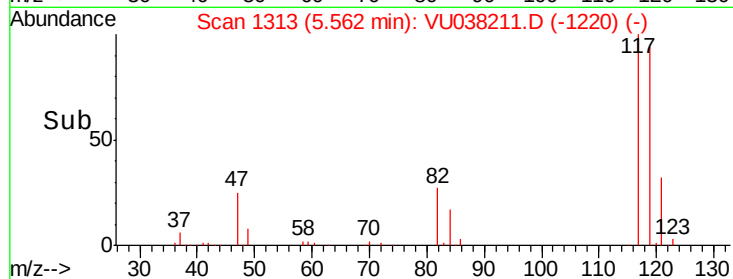
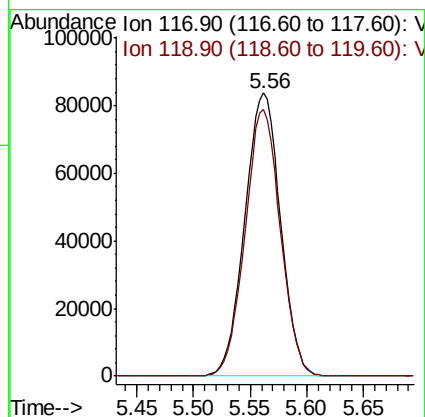
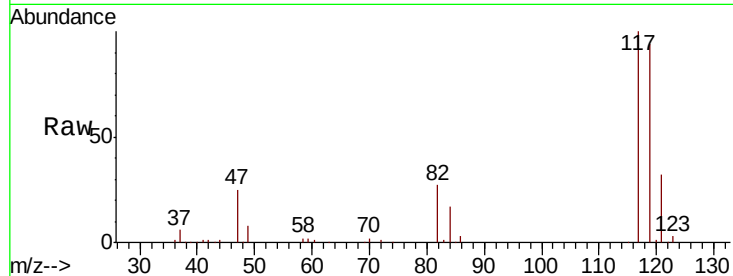




#31
Carbon tetrachloride
Concen: 5.279 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU038211.D
Acq: 18 May 2020 10:19

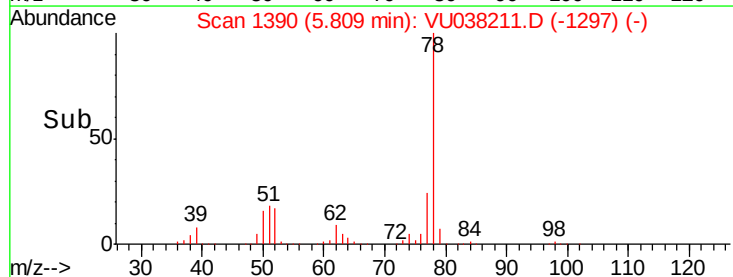
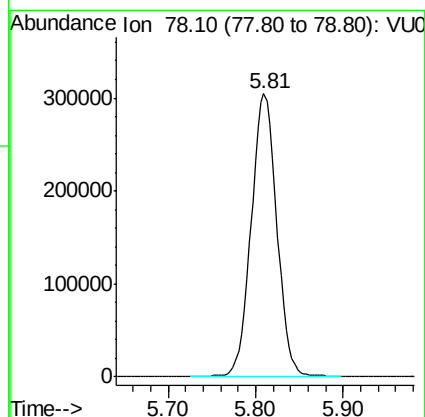
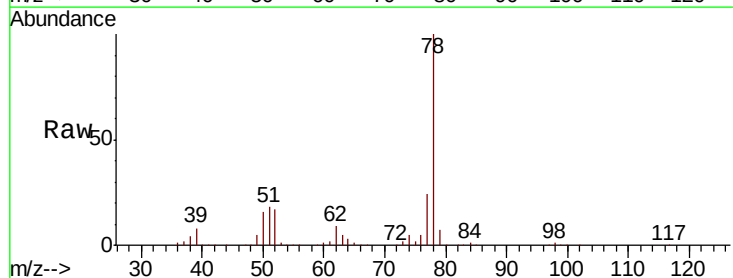
Instrument :
MSVOA_U
ClientSampleId :

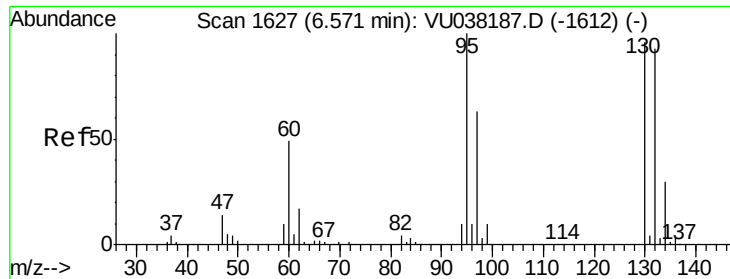
Tot Ion:117 Resp: 183840
Ion Ratio Lower Upper
117 100
119 93.2 75.4 113.2



#33
Benzene
Concen: 5.124 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU038211.D
Acq: 18 May 2020 10:19

Tgt Ion: 78 Resp: 620522

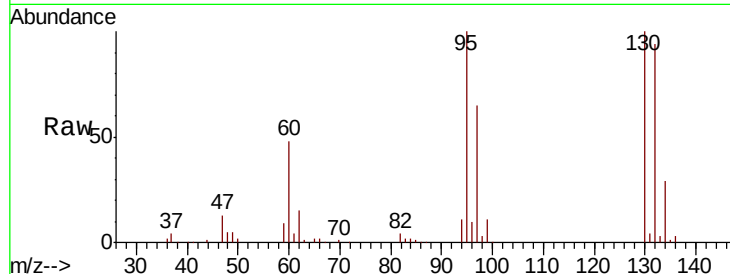




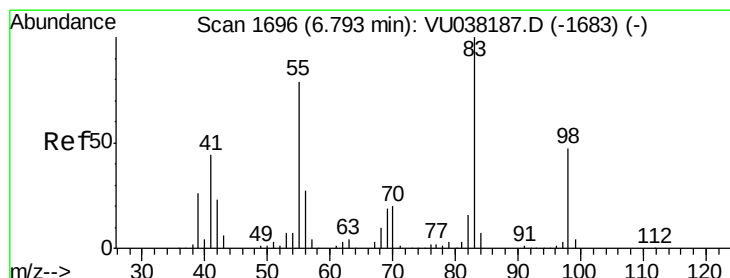
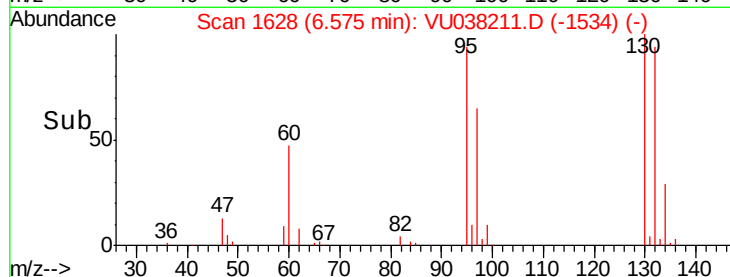
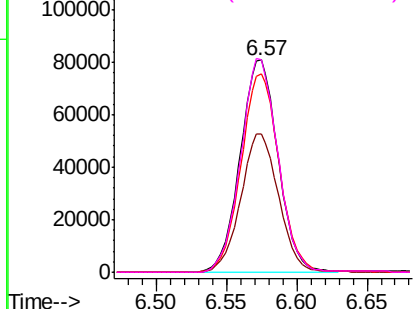
#34
 Trichloroethene
 Concen: 5.007 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU038211.D
 Acq: 18 May 2020 10:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 151661
 Ion Ratio Lower Upper
 95 100
 97 65.1 44.9 83.3
 132 93.8 63.3 117.5
 130 100.1 65.7 122.1

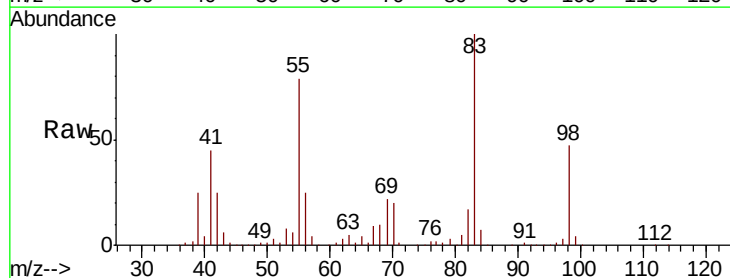


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

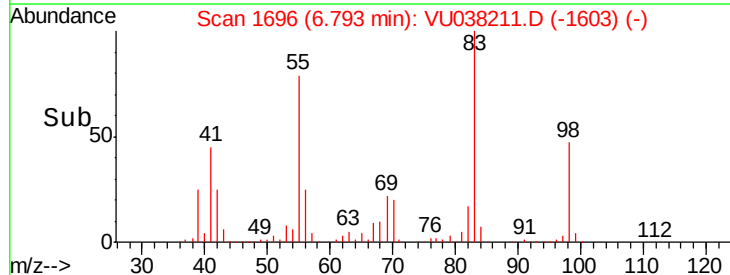
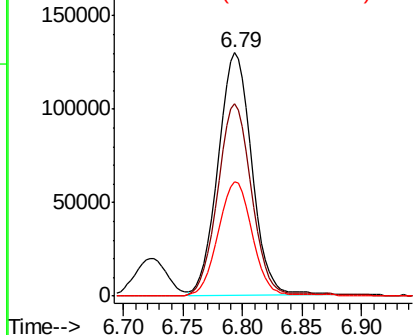


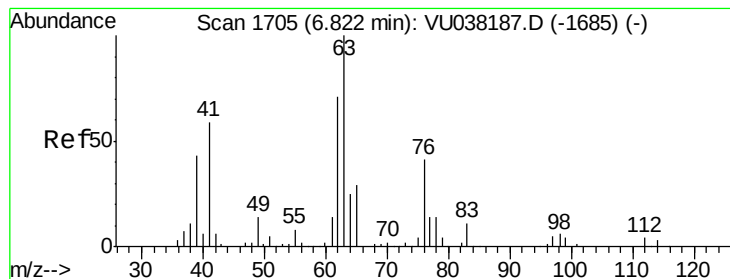
#35
 Methylcyclohexane
 Concen: 5.173 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU038211.D
 Acq: 18 May 2020 10:19

Tgt Ion: 83 Resp: 253778
 Ion Ratio Lower Upper
 83 100
 55 80.4 66.7 100.1
 98 48.2 39.4 59.2



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: 5.028 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU038211.D

Acq: 18 May 2020 10:19

Instrument :

MSVOA_U

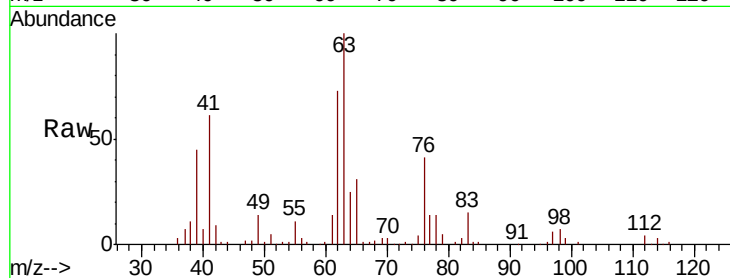
ClientSampled :

Tot Ion: 63 Resp: 165371

Ion Ratio Lower Upper

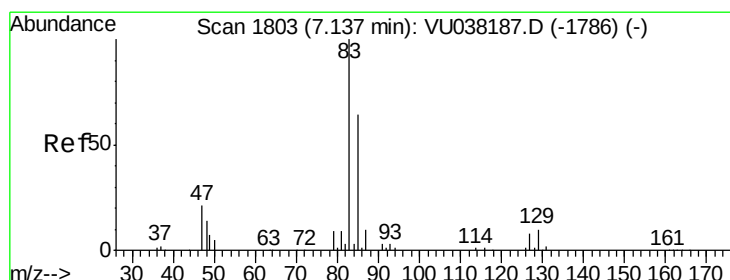
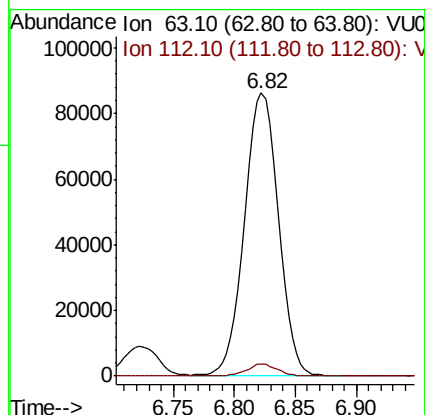
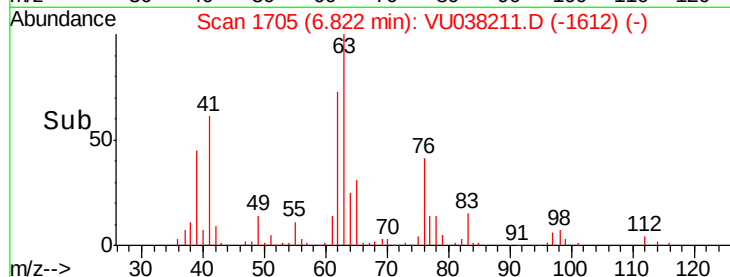
63 100

112 3.9 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU038211.D (-1612) (-)

Ion 112.10 (111.80 to 112.80): VU038211.D (-1612) (-)



#38

Bromodichloromethane

Concen: 5.204 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU038211.D

Acq: 18 May 2020 10:19

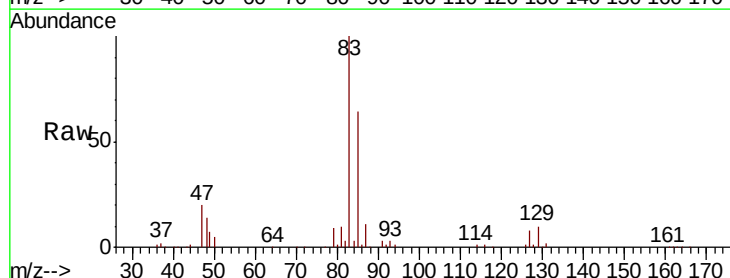
Tgt Ion: 83 Resp: 197894

Ion Ratio Lower Upper

83 100

85 63.8 44.6 82.8

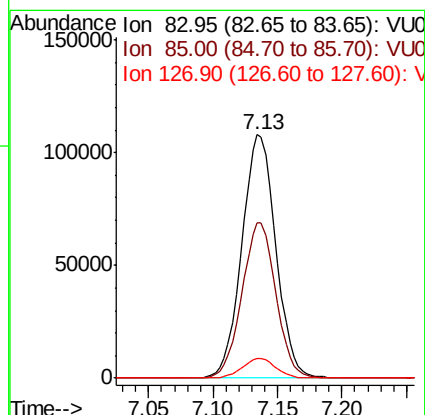
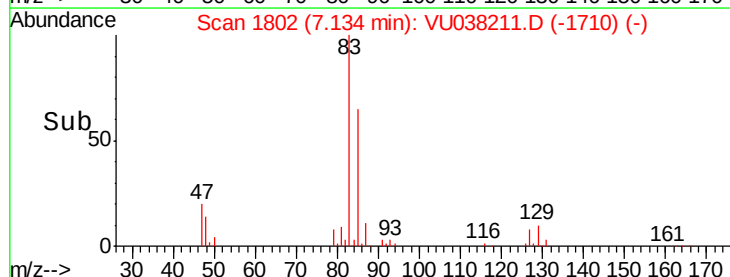
127 8.0 6.4 9.6

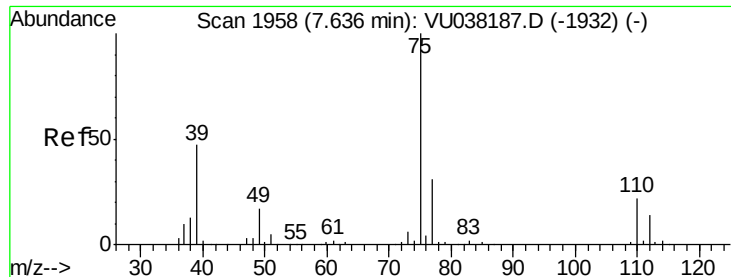


Abundance Ion 82.95 (82.65 to 83.65): VU038211.D (-1710) (-)

Ion 85.00 (84.70 to 85.70): VU038211.D (-1710) (-)

Ion 126.90 (126.60 to 127.60): VU038211.D (-1710) (-)

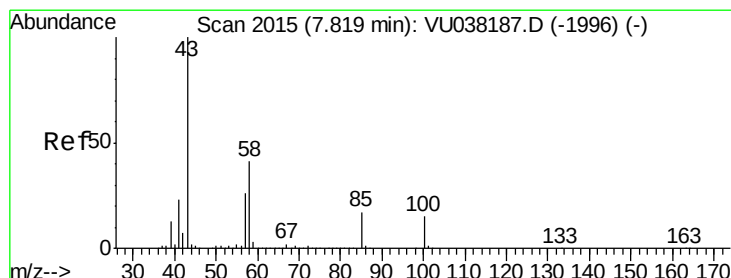
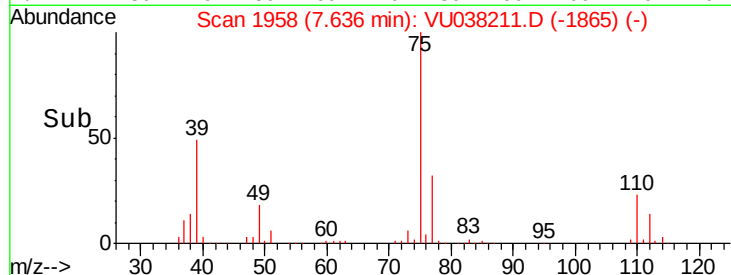
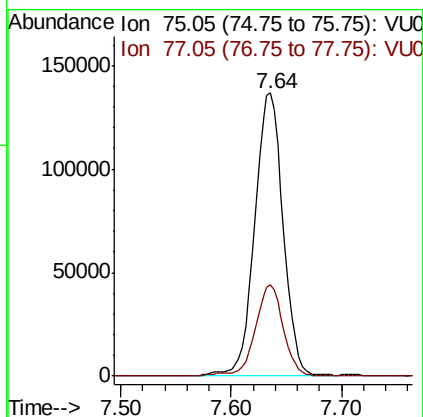
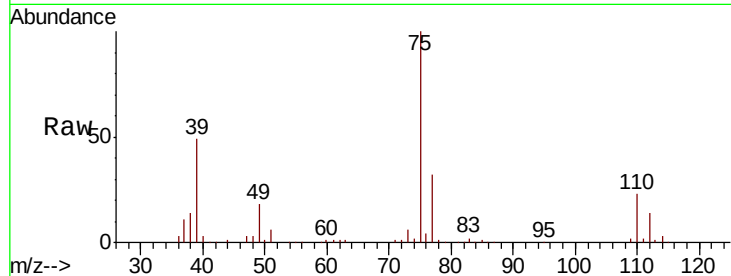




#39
 cis-1,3-Dichloropropene
 Concen: 5.184 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU038211.D
 Acq: 18 May 2020 10:19

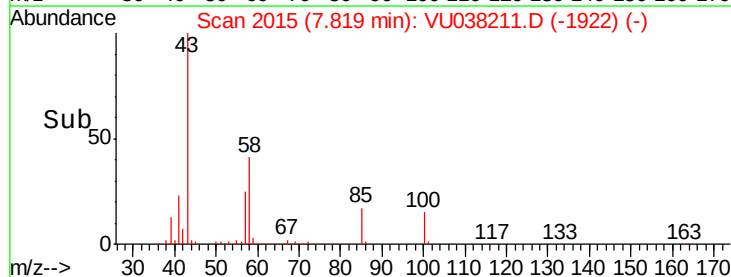
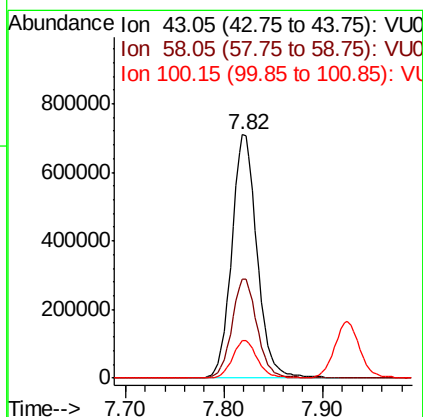
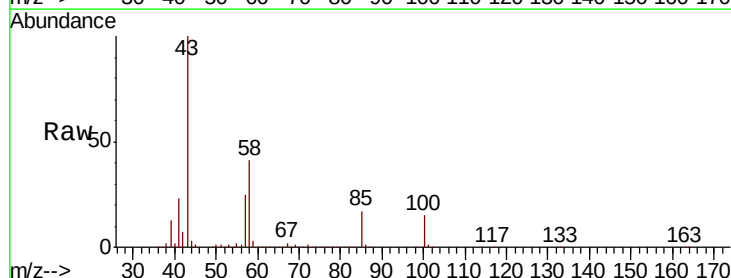
Instrument :
 MSVOA_U
 ClientSampleId :

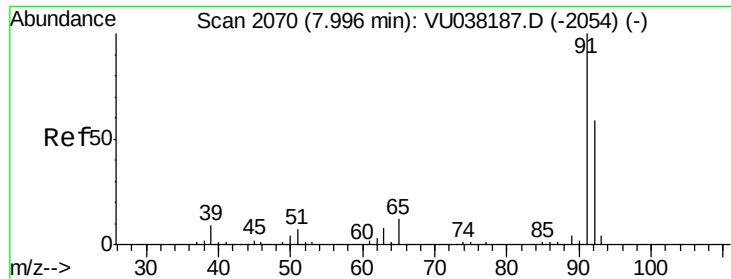
Tot Ion: 75 Resp: 244027
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 55.600 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038211.D
 Acq: 18 May 2020 10:19

Tgt Ion: 43 Resp: 1267519
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.2 48.4
 100 15.3 12.1 18.1





#42

Toluene

Concen: 5.063 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038211.D

Acq: 18 May 2020 10:19

Instrument :

MSVOA_U

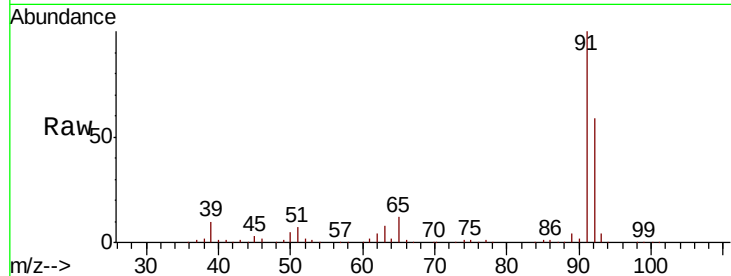
ClientSampleId :

Tot Ion: 91 Resp: 647278

Ion Ratio Lower Upper

91 100

92 59.0 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038187.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038187.D (-2054) (-)

8.00

400000

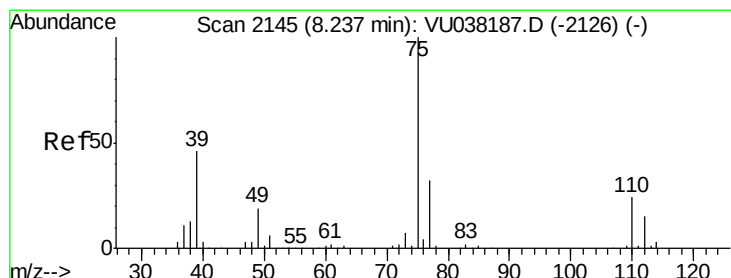
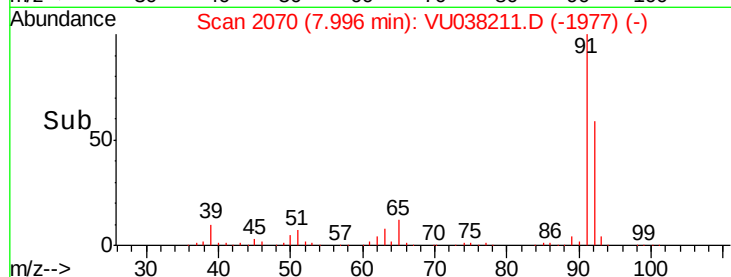
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.274 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU038211.D

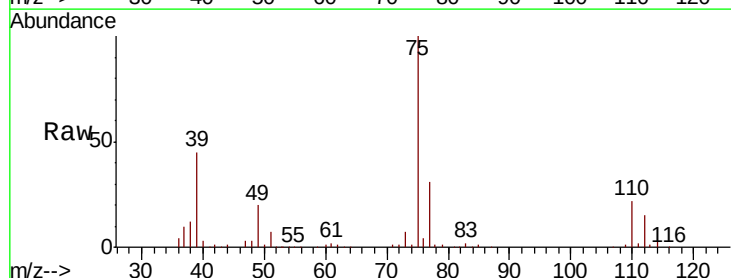
Acq: 18 May 2020 10:19

Tgt Ion: 75 Resp: 211122

Ion Ratio Lower Upper

75 100

77 30.7 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038187.D (-2126) (-)

Ion 77.05 (76.75 to 77.75): VU038187.D (-2126) (-)

8.23

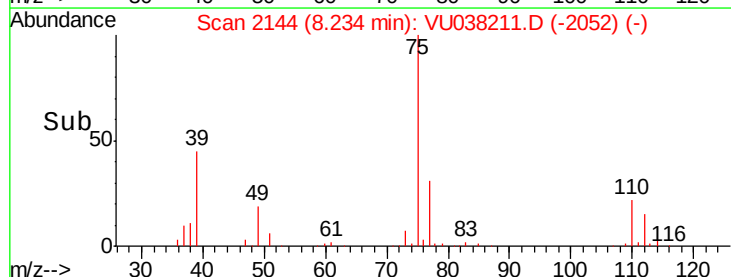
150000

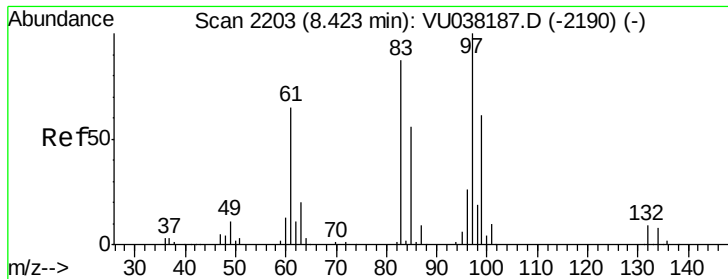
100000

50000

0

Time-->

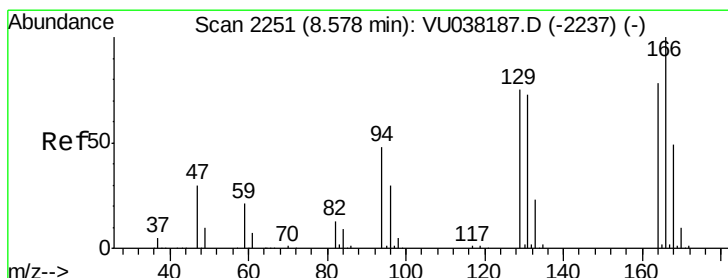
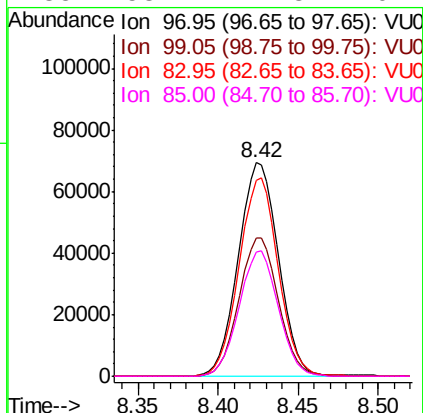
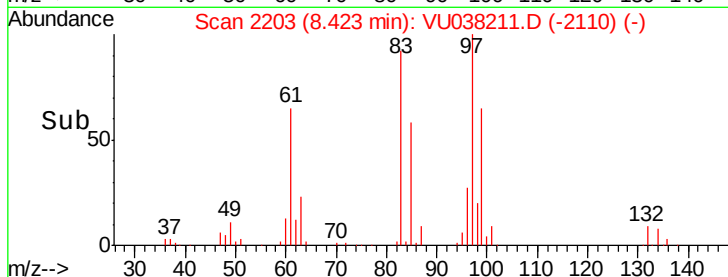
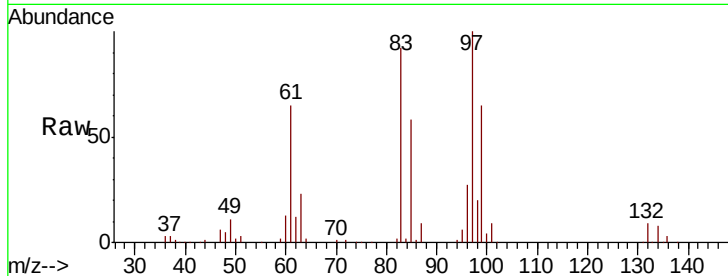




#45
 1,1,2-Trichloroethane
 Concen: 5.202 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU038211.D
 Acq: 18 May 2020 10:19

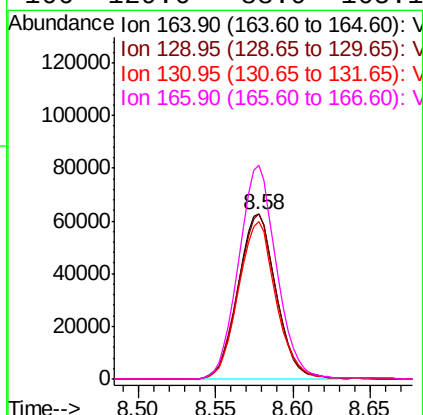
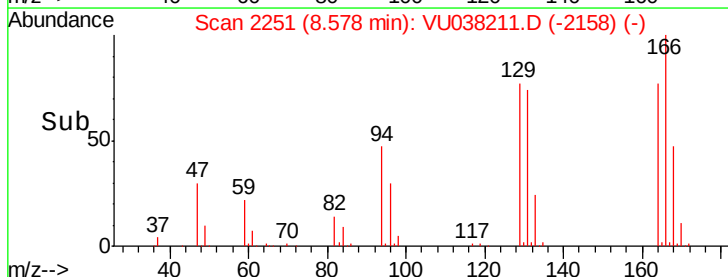
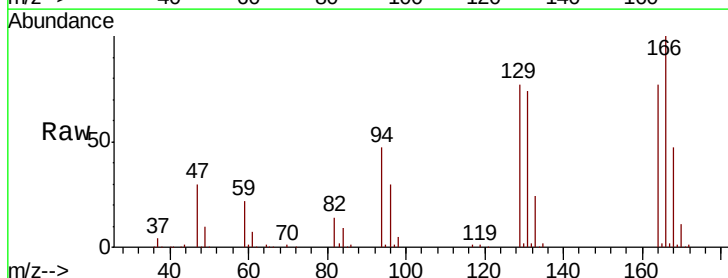
Instrument :
 MSVOA_U
 ClientSampled :

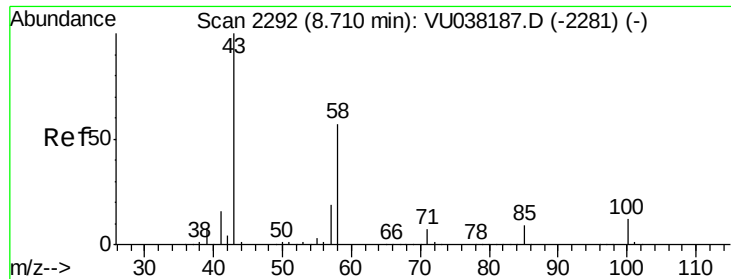
Tot Ion:	97	Resp:	118828
Ion	Ratio	Lower	Upper
97	100		
99	65.0	44.0	81.6
83	91.8	59.6	110.8
85	58.1	41.3	76.7



#47
 Tetrachloroethene
 Concen: 5.075 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU038211.D
 Acq: 18 May 2020 10:19

Tgt Ion:	164	Resp:	107504
Ion	Ratio	Lower	Upper
164	100		
129	100.0	68.8	127.8
131	95.3	66.8	124.2
166	129.6	88.9	165.1

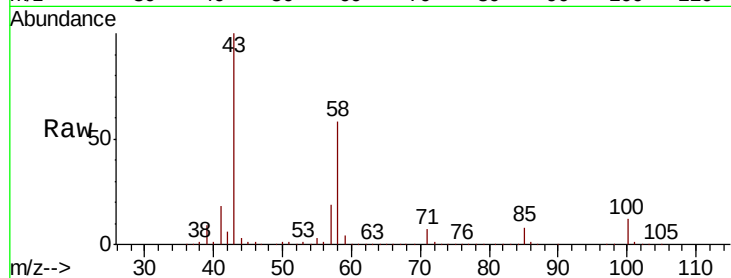




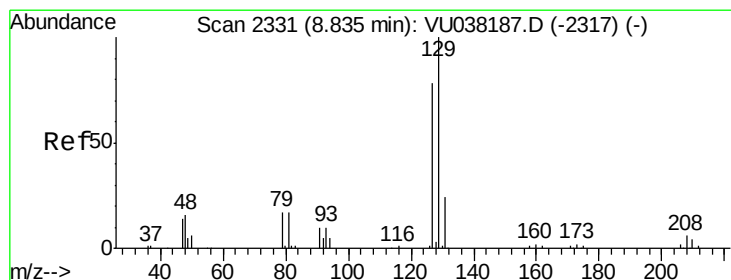
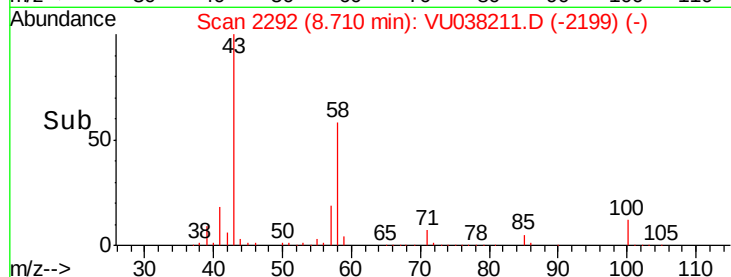
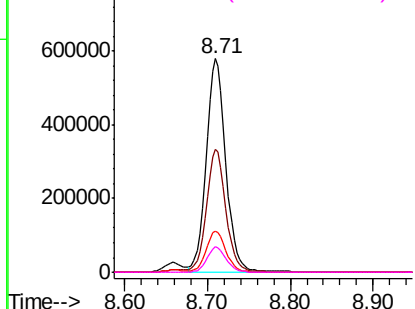
#48
2-Hexanone
Concen: 57.666 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038211.D
Acq: 18 May 2020 10:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 962761
Ion Ratio Lower Upper
43 100
58 57.1 45.2 67.8
57 19.3 15.5 23.3
100 11.8 9.5 14.3

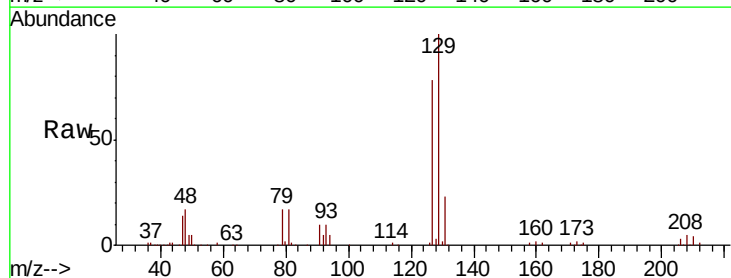


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

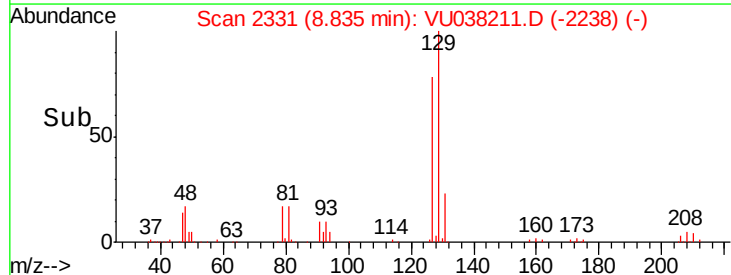
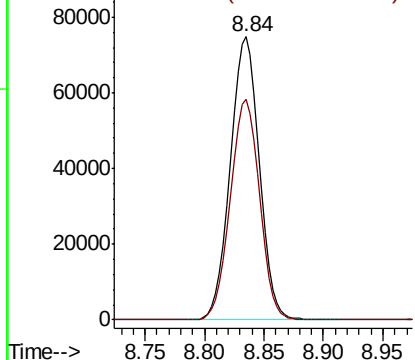


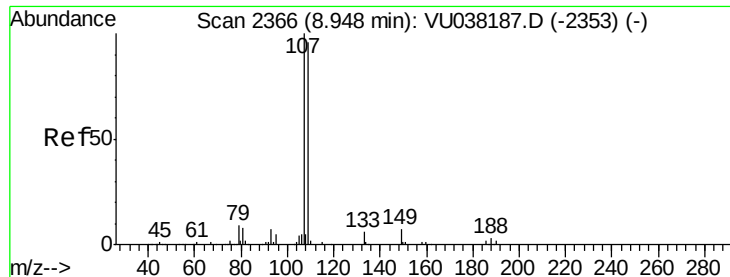
#49
Dibromochloromethane
Concen: 5.345 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU038211.D
Acq: 18 May 2020 10:19

Tgt Ion: 129 Resp: 126708
Ion Ratio Lower Upper
129 100
127 77.8 55.6 103.4



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

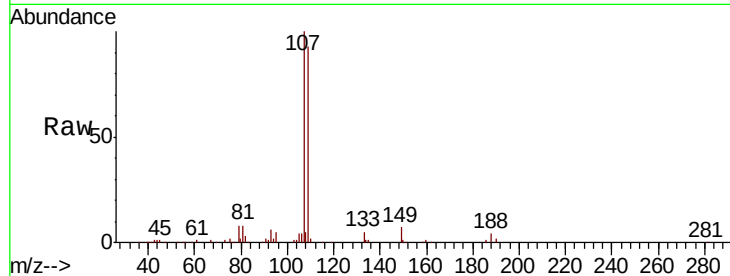




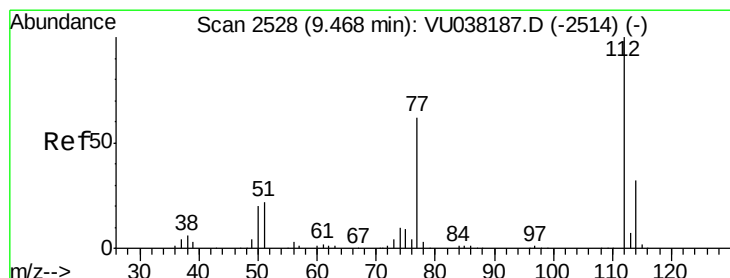
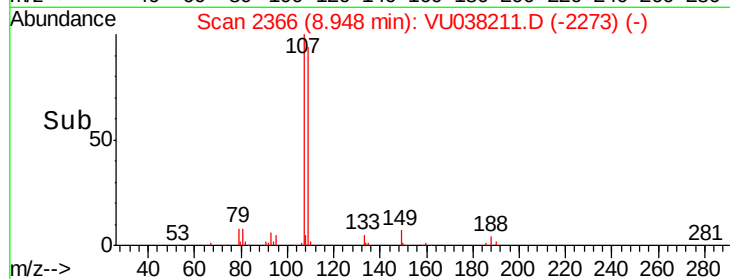
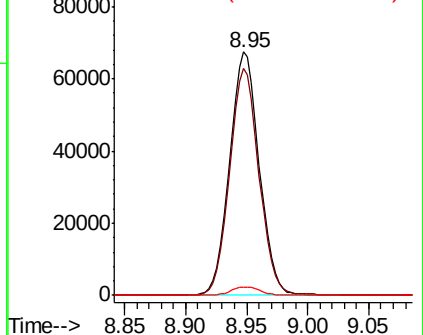
#50
 1,2-Dibromoethane
 Concen: 5.379 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU038211.D
 Acq: 18 May 2020 10:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:107 Resp: 114028
 Ion Ratio Lower Upper
 107 100
 109 93.4 65.1 120.9
 188 3.5 2.6 4.0

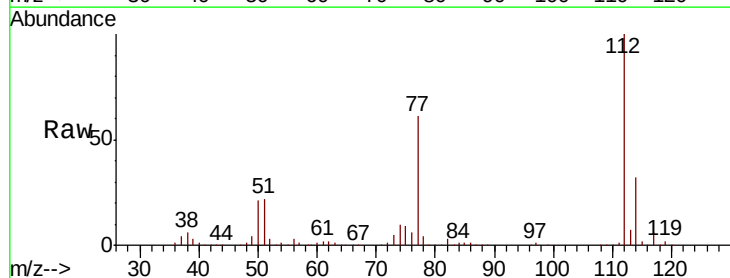


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

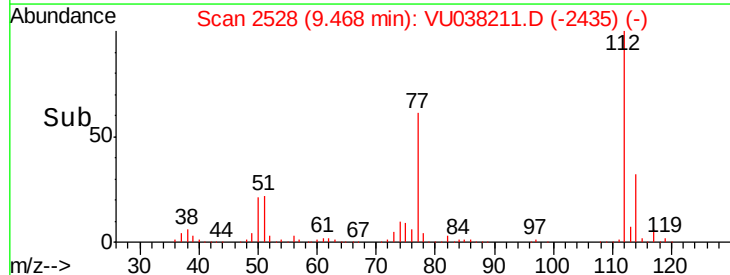
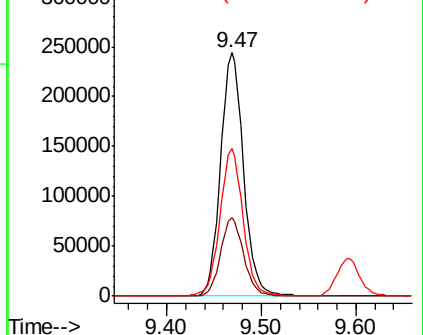


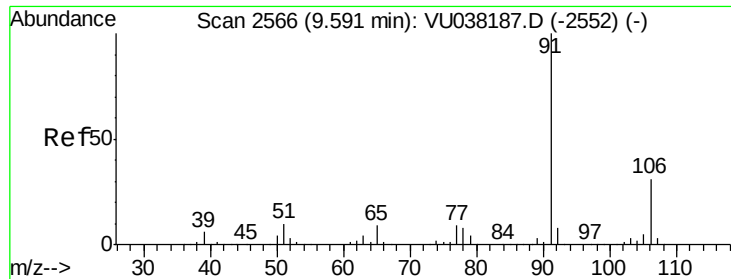
#51
 Chlorobenzene
 Concen: 5.176 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU038211.D
 Acq: 18 May 2020 10:19

Tgt Ion:112 Resp: 410626
 Ion Ratio Lower Upper
 112 100
 114 32.3 22.5 41.7
 77 60.5 49.9 74.9



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 5.195 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038211.D

Acq: 18 May 2020 10:19

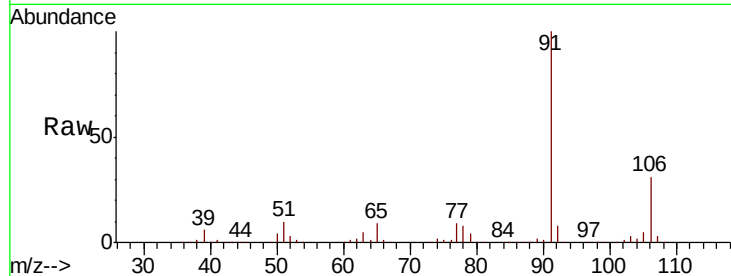
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 719360

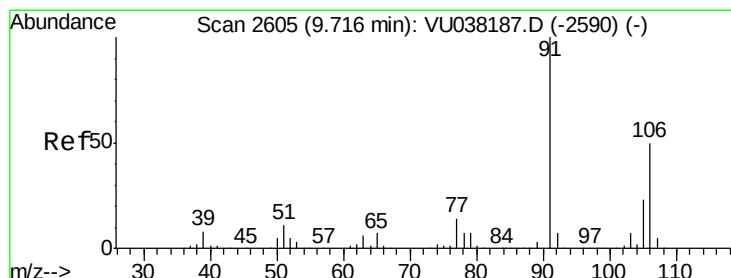
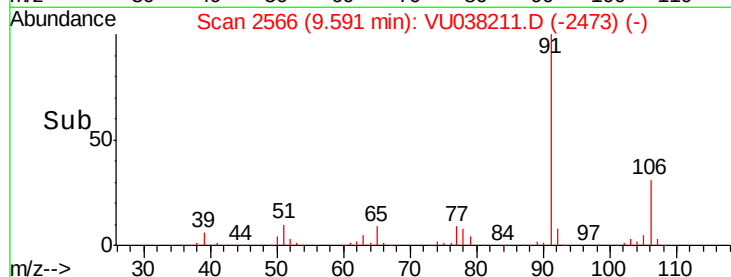
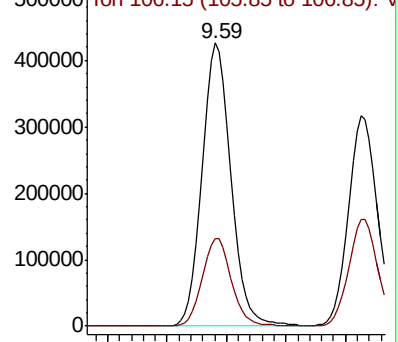
Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038211.D (-2552) (-)



#53

m,p-Xylene

Concen: 5.207 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU038211.D

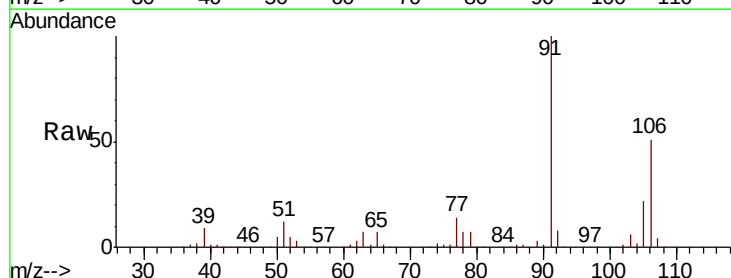
Acq: 18 May 2020 10:19

Tgt Ion:106 Resp: 276464

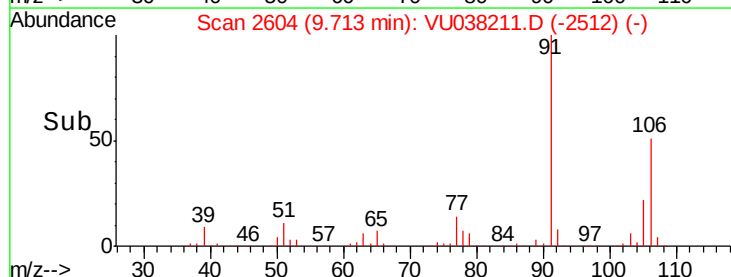
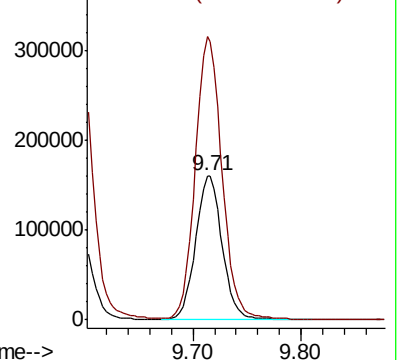
Ion Ratio Lower Upper

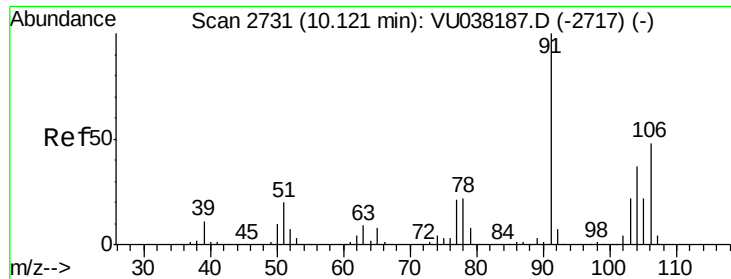
106 100

91 196.1 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038211.D (-2590) (-)

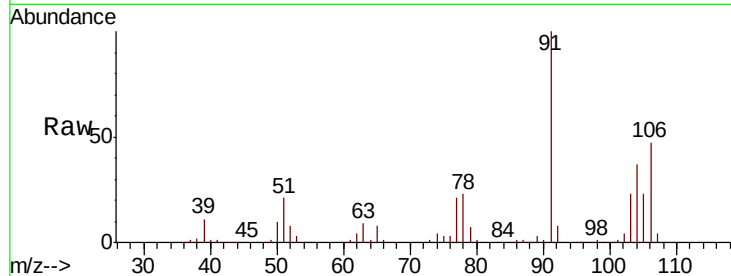




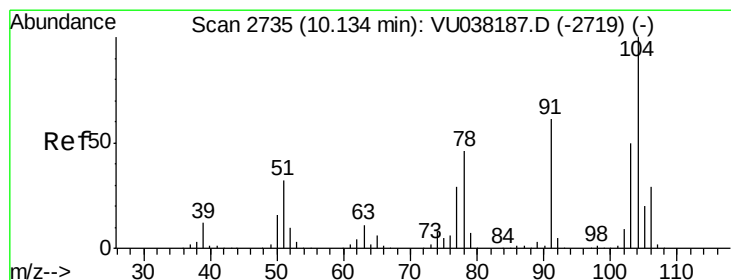
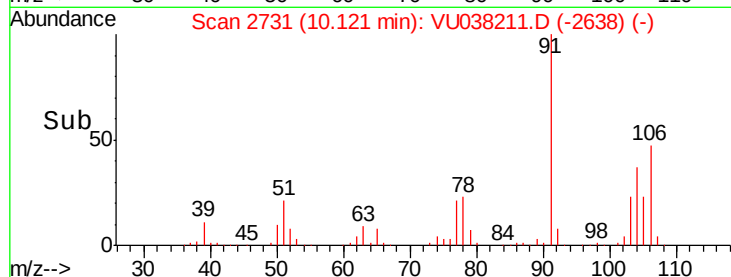
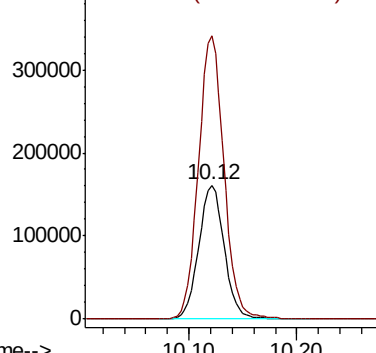
#54
o-Xylene
Concen: 5.157 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU038211.D
Acq: 18 May 2020 10:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 264732
Ion Ratio Lower Upper
106 100
91 211.1 148.5 275.9

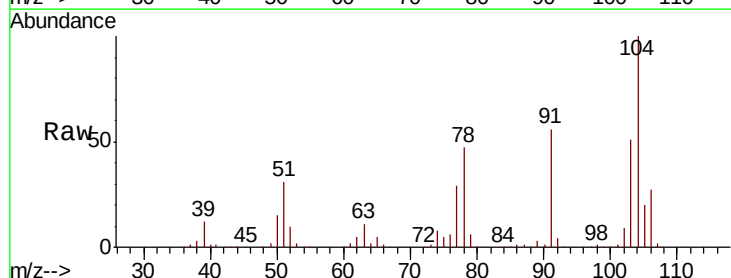


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

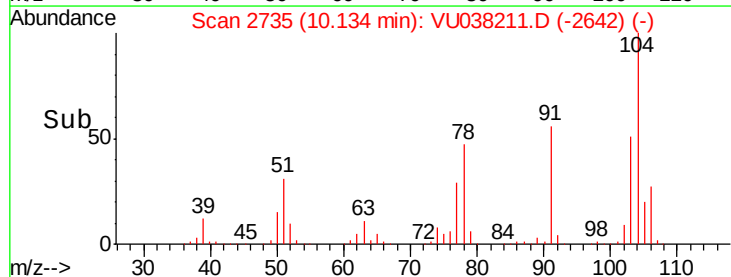
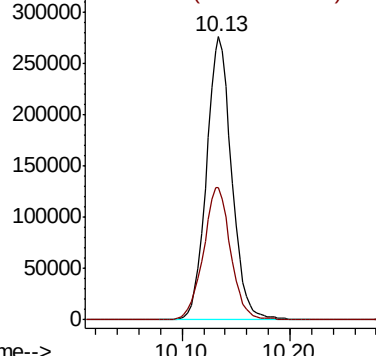


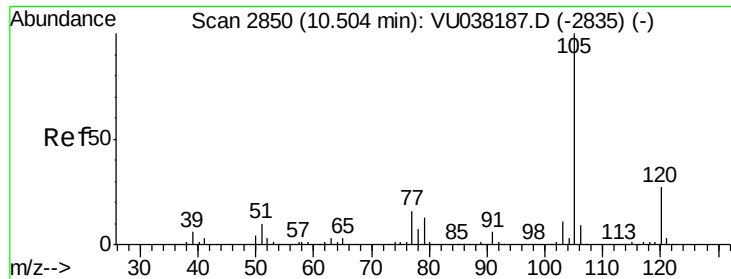
#55
Styrene
Concen: 5.230 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU038211.D
Acq: 18 May 2020 10:19

Tgt Ion:104 Resp: 450707
Ion Ratio Lower Upper
104 100
78 46.8 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: 5.248 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU038211.D

Acq: 18 May 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

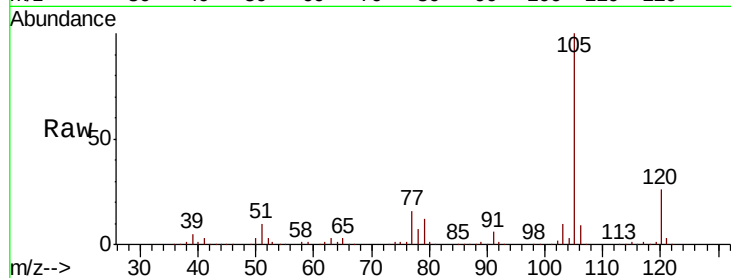
Tot Ion:105 Resp: 692043

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

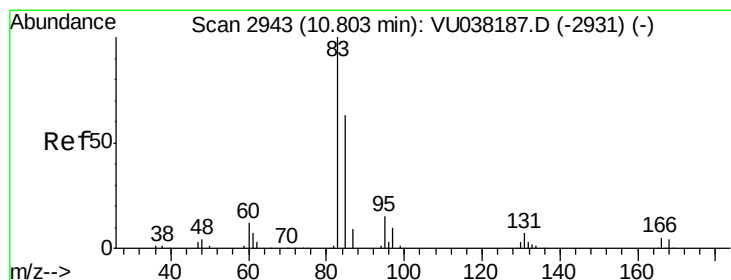
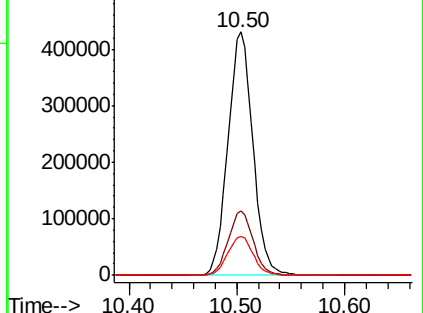
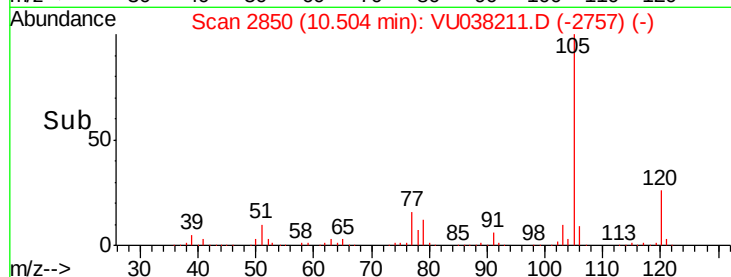
77 16.4 13.0 19.4



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: 5.343 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU038211.D

Acq: 18 May 2020 10:19

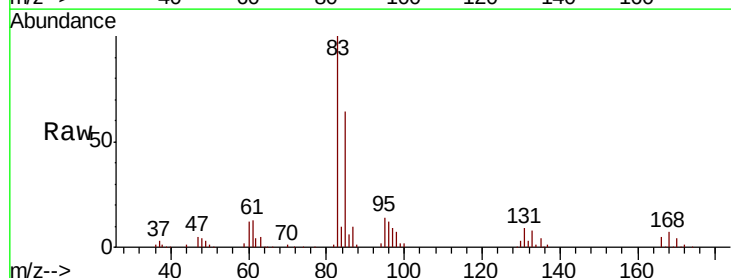
Tgt Ion: 83 Resp: 154965

Ion Ratio Lower Upper

83 100

85 63.9 47.0 87.2

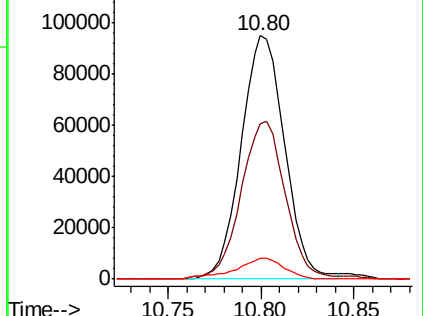
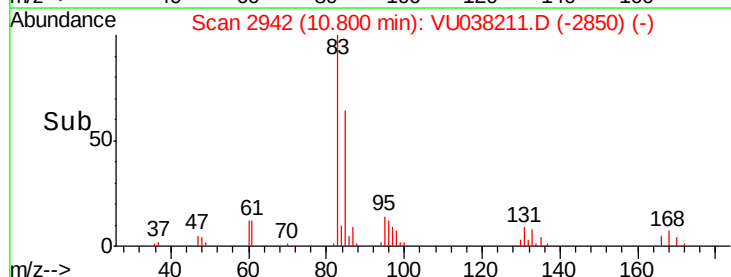
131 8.5 7.7 11.5

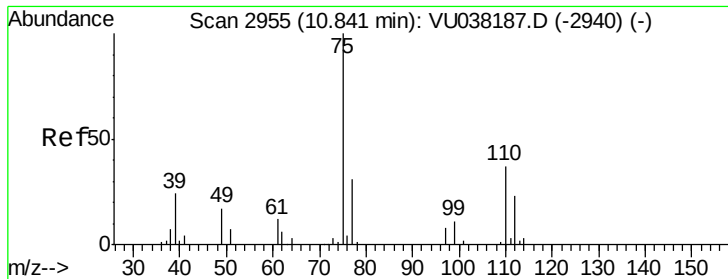


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.335 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU038211.D

Acq: 18 May 2020 10:19

Instrument :

MSVOA_U

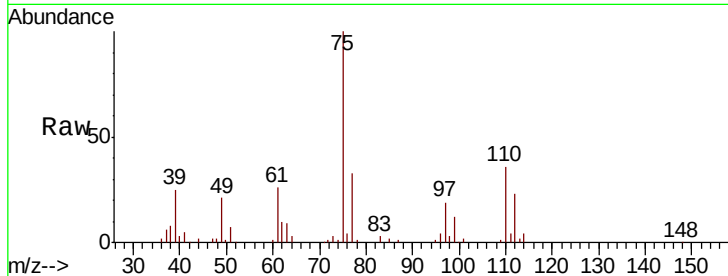
ClientSampleId :

Tot Ion: 75 Resp: 117769

Ion Ratio Lower Upper

75 100

77 33.3 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU038187.D (-2940) (-)

Ion 77.00 (76.70 to 77.70): VU038187.D (-2940) (-)

10.84

80000

60000

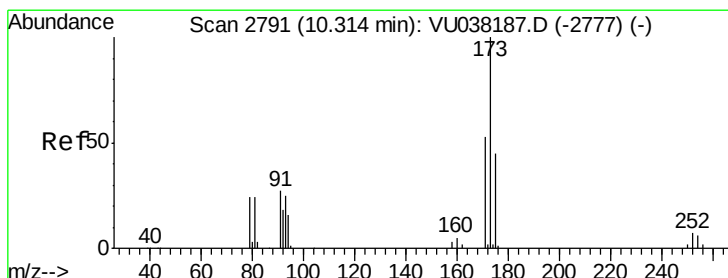
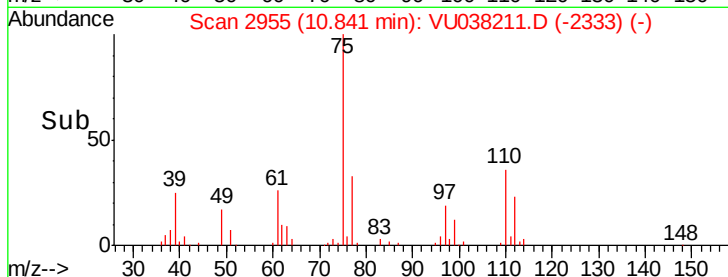
40000

20000

0

10.80 10.85 10.90

Time-->



#61

Bromoform

Concen: 5.509 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VU038211.D

Acq: 18 May 2020 10:19

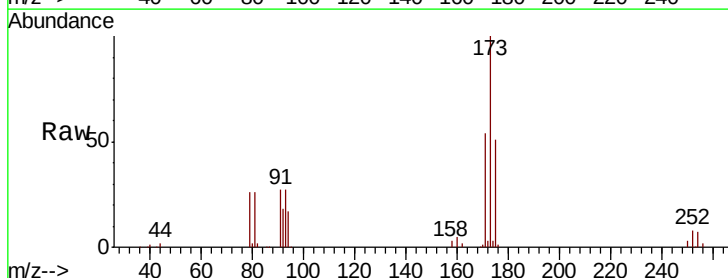
Tgt Ion: 173 Resp: 70124

Ion Ratio Lower Upper

173 100

175 49.2 39.5 59.3

254 6.5 5.0 7.4



Abundance Ion 172.90 (172.60 to 173.60): VU038187.D (-2777) (-)

Ion 174.90 (174.60 to 175.60): VU038187.D (-2777) (-)

Ion 253.75 (253.45 to 254.45): VU038187.D (-2777) (-)

10.31

50000

40000

30000

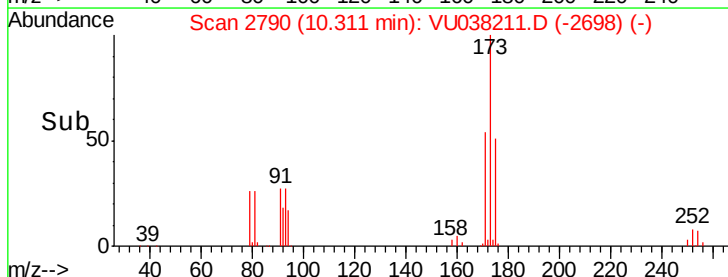
20000

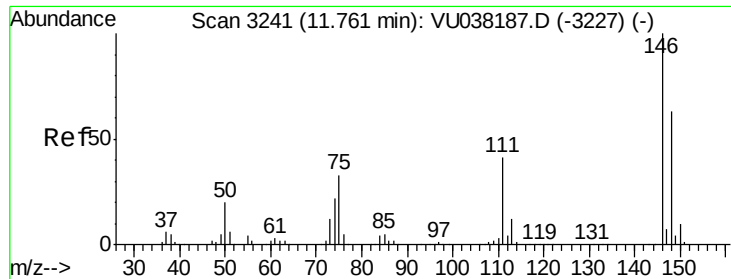
10000

0

10.25 10.30 10.35

Time-->

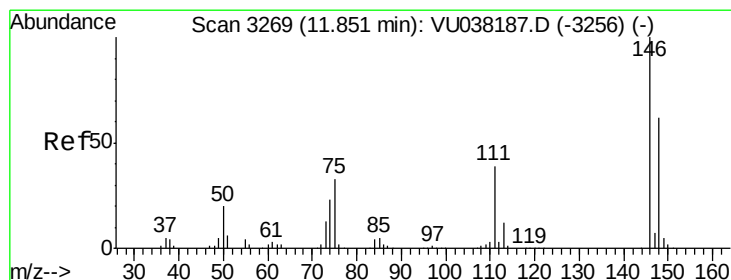
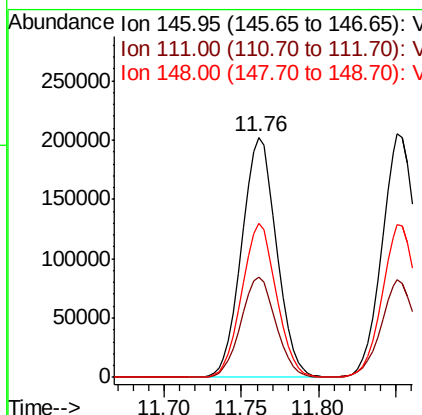
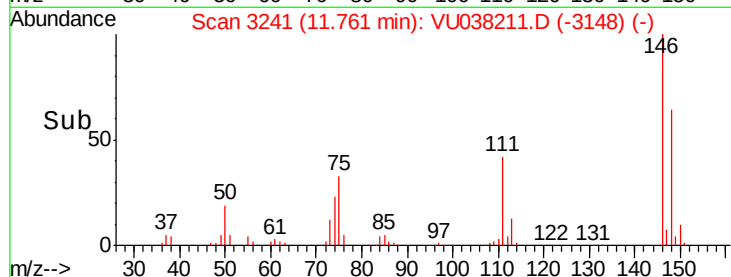
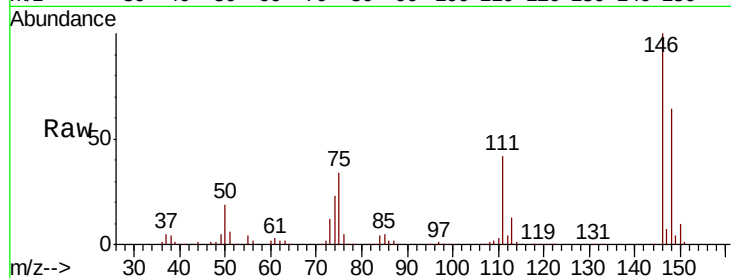




#62
 1,3-Dichlorobenzene
 Concen: 5.172 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU038211.D
 Acq: 18 May 2020 10:19

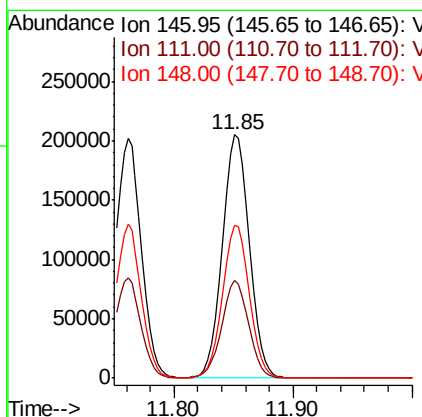
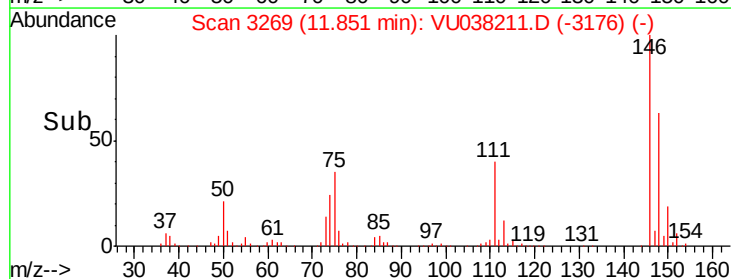
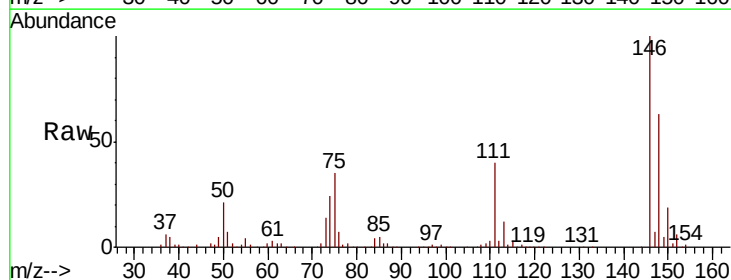
Instrument :
 MSVOA_U
 ClientSampleId :

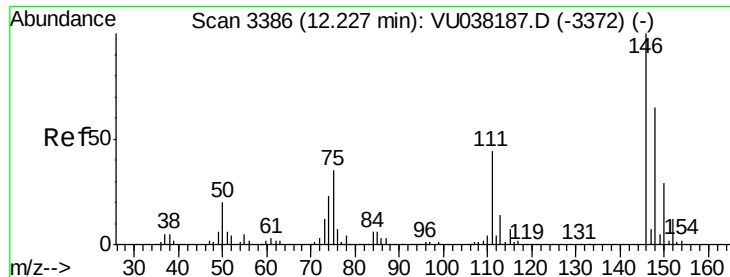
Tot Ion:146 Resp: 316873
 Ion Ratio Lower Upper
 146 100
 111 42.0 28.6 53.2
 148 64.1 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 5.198 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038211.D
 Acq: 18 May 2020 10:19

Tgt Ion:146 Resp: 322750
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.2 50.6
 148 62.8 43.8 81.3





#65

1,2-Dichlorobenzene

Concen: 5.134 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU038211.D

Acq: 18 May 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

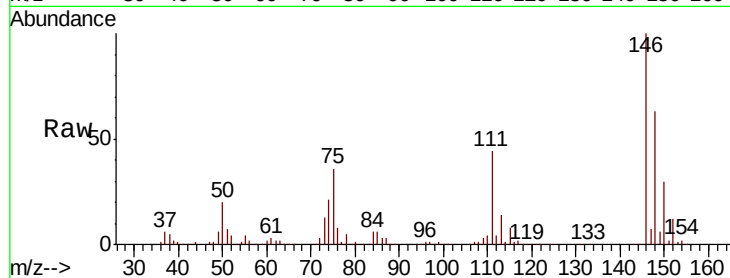
Tot Ion:146 Resp: 302623

Ion Ratio Lower Upper

146 100

111 43.6 35.3 52.9

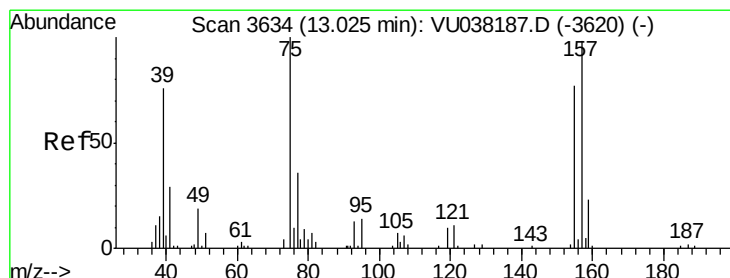
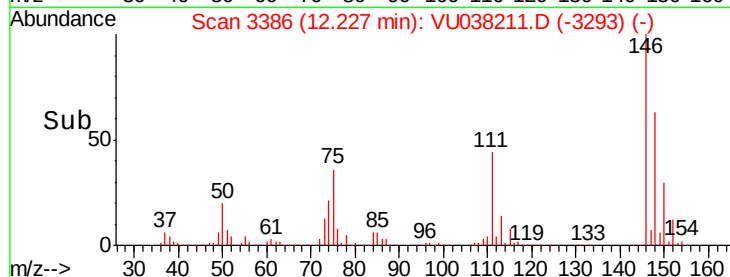
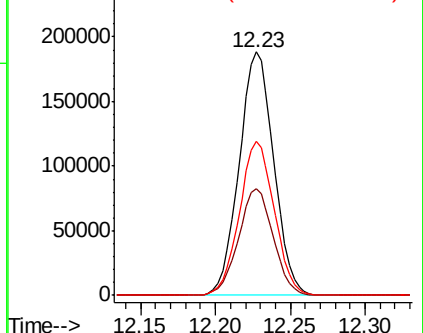
148 63.2 51.0 76.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.483 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VU038211.D

Acq: 18 May 2020 10:19

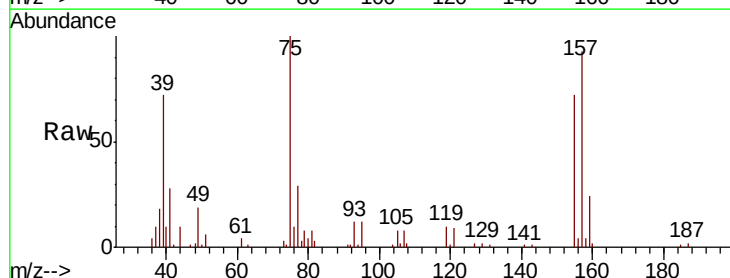
Tgt Ion: 75 Resp: 26416

Ion Ratio Lower Upper

75 100

155 72.4 58.2 87.2

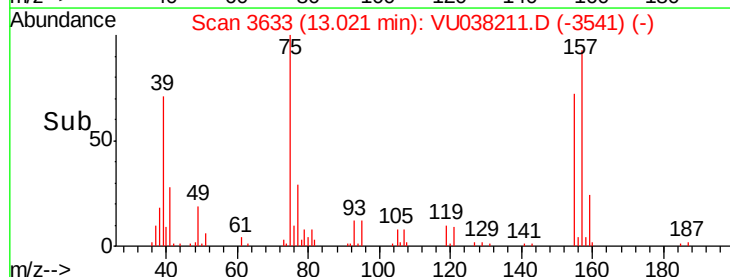
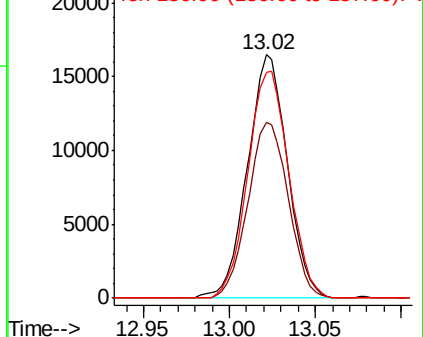
157 92.6 72.9 109.3

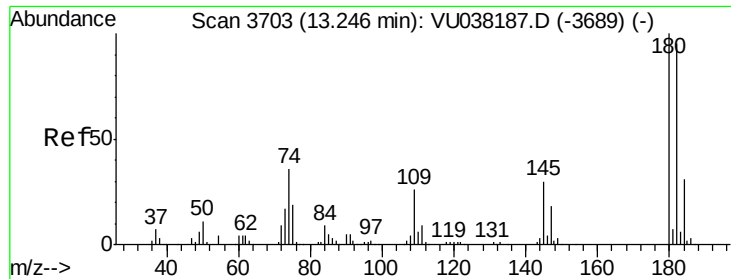


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

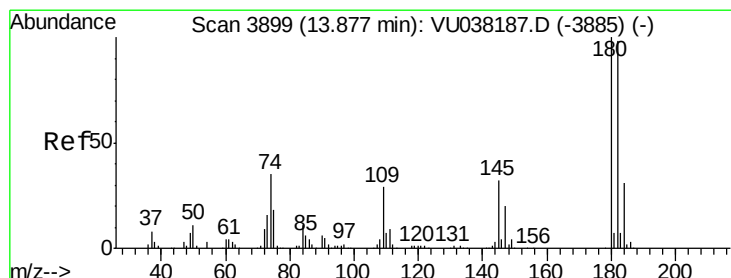
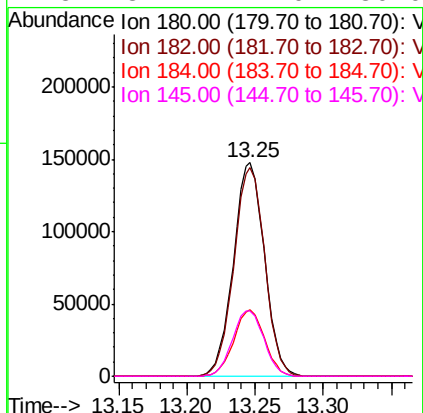
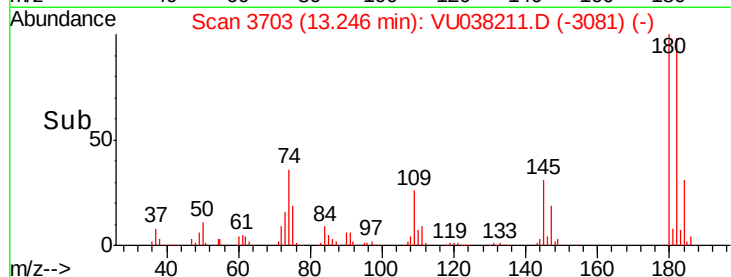
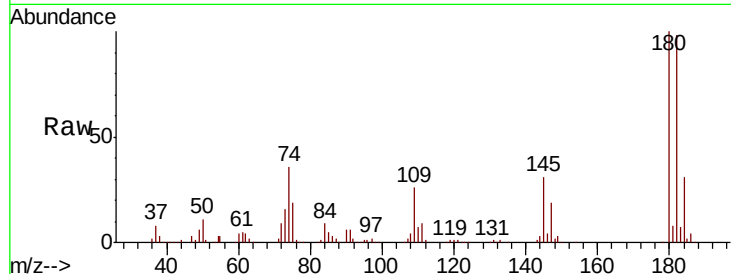




#67
 1,3,5-Trichlorobenzene
 Concen: 5.247 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.00 min
 Lab File: VU038211.D
 Acq: 18 May 2020 10:19

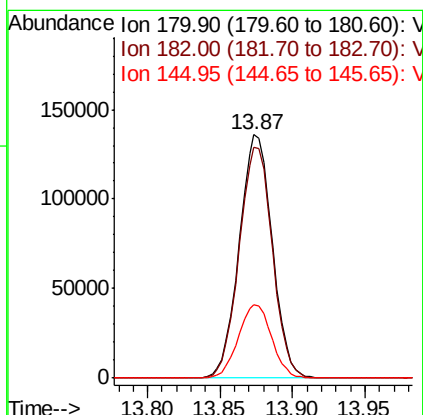
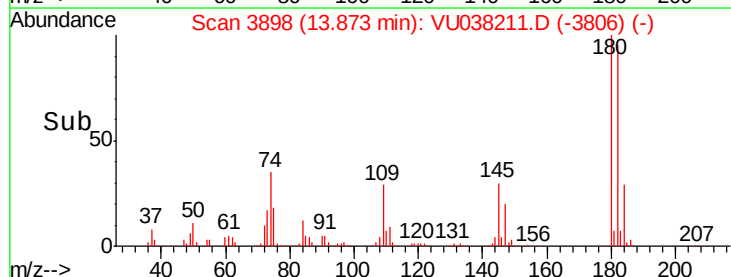
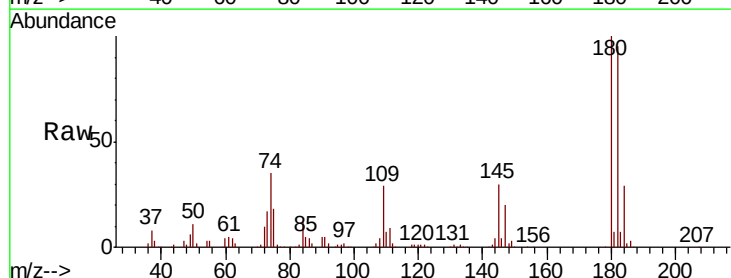
Instrument :
 MSVOA_U
 ClientSampleId :

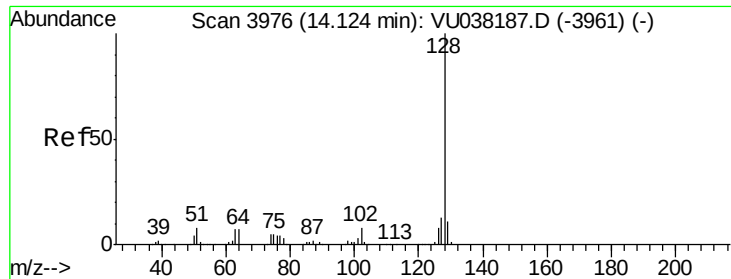
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	77.4	116.2
184	30.8	24.2	36.2
145	31.1	24.0	36.0



#68
 1,2,4-trichlorobenzene
 Concen: 5.332 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. -0.00 min
 Lab File: VU038211.D
 Acq: 18 May 2020 10:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.0	112.6
145	30.5	24.8	37.2





#69

Naphthalene

Concen: 5.407 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VU038211.D

Acq: 18 May 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

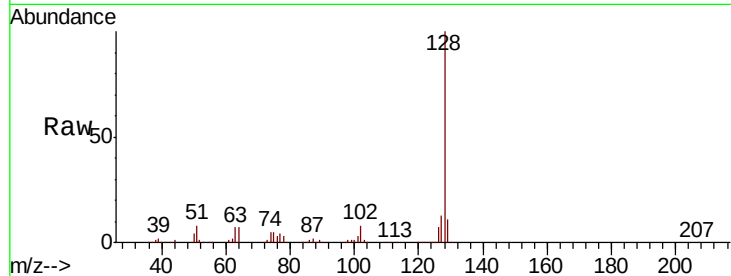
Tot Ion:128 Resp: 459076

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

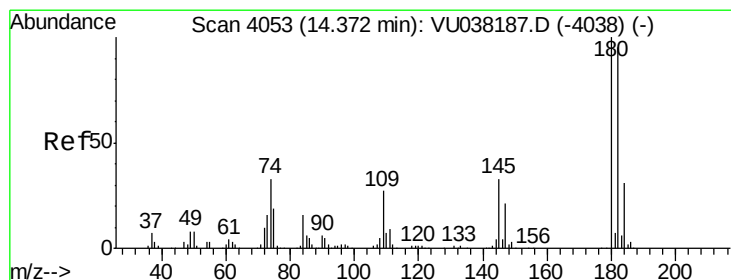
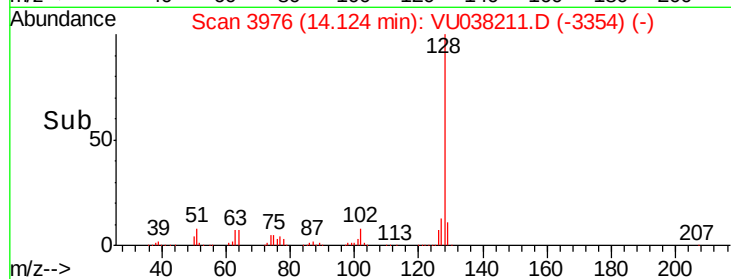
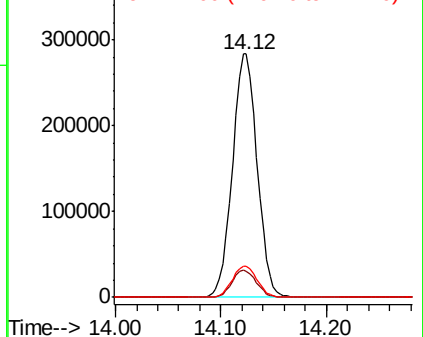
127 13.0 10.2 15.4



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: 5.339 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. -0.00 min

Lab File: VU038211.D

Acq: 18 May 2020 10:19

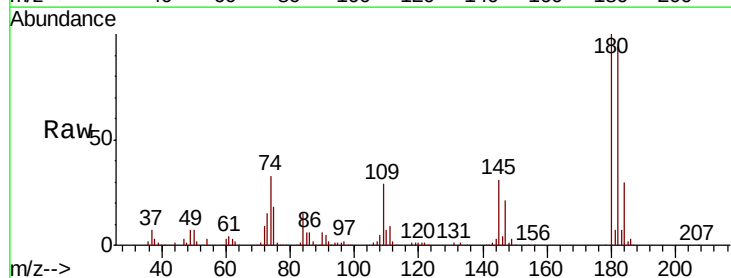
Tgt Ion:180 Resp: 200107

Ion Ratio Lower Upper

180 100

182 94.2 76.3 114.5

145 32.1 26.1 39.1



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

