

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038408.D
 Acq On : 30 May 2020 12:22
 Operator : JC/MD
 Sample : VSTD01004
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 01:28:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 01:25:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	338718	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	331435	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	168165	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	214371	9.78	ug/L	0.00
7) Chloroethane-d5	1.93	69	162991	9.67	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	414993	9.62	ug/L	0.00
20) 2-Butanone-d5	4.68	46	663272	99.60	ug/L	0.00
24) Chloroform-d	5.10	84	400223	9.72	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	224527	9.60	ug/L	0.00
32) Benzene-d6	5.76	84	808611	9.77	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	246189	9.68	ug/L	0.00
41) Toluene-d8	7.92	98	732047	9.86	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	112779	10.31	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	543214	100.53	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	211700	9.80	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	279971	9.65	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	257038	9.628	ug/L 99
3) Chloromethane	1.53	50	237740	9.697	ug/L 98
5) Vinyl chloride	1.62	62	255921	9.743	ug/L 99
6) Bromomethane	1.87	94	127117	9.968	ug/L 99
8) Chloroethane	1.95	64	148032	9.405	ug/L 94
9) Trichlorofluoromethane	2.16	101	335148	9.618	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	195340	9.518	ug/L 99
12) 1,1-Dichloroethene	2.60	96	198016	9.493	ug/L 99
13) Acetone	2.68	43	415379	95.309	ug/L 99
14) Carbon disulfide	2.82	76	675222	9.540	ug/L 99
15) Methyl Acetate	2.99	43	107928	10.108	ug/L 99
16) Methylene chloride	3.08	84	223036	9.448	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	558542	10.212	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	217475	9.674	ug/L 98
19) 1,1-Dichloroethane	3.91	63	394650	9.809	ug/L 99
21) 2-Butanone	4.76	43	718146	97.967	ug/L 94
22) cis-1,2-Dichloroethene	4.71	96	233189	9.633	ug/L 99
23) Bromochloromethane	5.02	128	103539	9.504	ug/L 95
25) Chloroform	5.13	83	400341	9.796	ug/L 99
27) 1,2-Dichloroethane	5.83	62	276106	9.596	ug/L 98
29) 1,1,1-Trichloroethane	5.35	97	346245	9.873	ug/L 99
30) Cyclohexane	5.42	56	357466	9.720	ug/L 98
31) Carbon tetrachloride	5.56	117	285236	9.769	ug/L 100
33) Benzene	5.81	78	892132	9.653	ug/L 100
34) Trichloroethene	6.57	95	227417	9.480	ug/L 98
35) Methylcyclohexane	6.79	83	373966	10.069	ug/L 95
37) 1,2-Dichloropropane	6.82	63	228743	9.836	ug/L 99
38) Bromodichloromethane	7.13	83	287475	9.953	ug/L 100
39) cis-1,3-Dichloropropene	7.63	75	351855	10.237	ug/L 99
40) 4-Methyl-2-pentanone	7.82	43	1651045	99.267	ug/L 99

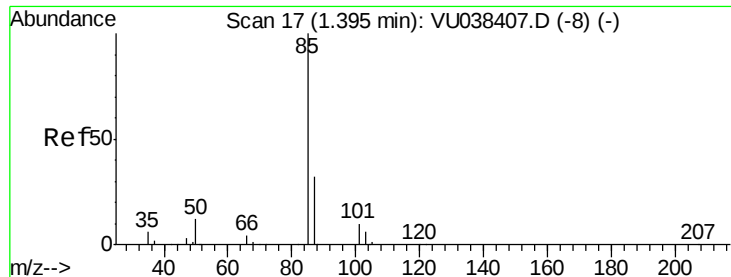
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	951371	9.814	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	309444	10.194	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	172393	9.825	ug/L	97
47) Tetrachloroethene	8.57	164	163130	9.360	ug/L	96
48) 2-Hexanone	8.71	43	1241082	98.530	ug/L	99
49) Dibromochloromethane	8.83	129	192297	10.154	ug/L	98
50) 1,2-Dibromoethane	8.94	107	167368	9.962	ug/L	98
51) Chlorobenzene	9.47	112	596322	9.539	ug/L	98
52) Ethylbenzene	9.59	91	1060576	9.834	ug/L	99
53) m,p-Xylene	9.71	106	413173	9.961	ug/L	96
54) o-Xylene	10.12	106	398471	10.007	ug/L	98
55) Styrene	10.13	104	691414	10.230	ug/L	100
56) Isopropylbenzene	10.50	105	1030462	9.833	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	216597	9.714	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	169024	9.737	ug/L	98
61) Bromoform	10.31	173	107483	10.260	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	475594	9.626	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	479317	9.567	ug/L	100
65) 1,2-Dichlorobenzene	12.22	146	450698	9.606	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	36984	9.736	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	356150	9.662	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	334177	9.794	ug/L	100
69) Naphthalene	14.11	128	698811	10.291	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	304981	9.824	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 9.628 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

Instrument :

MSVOA_U

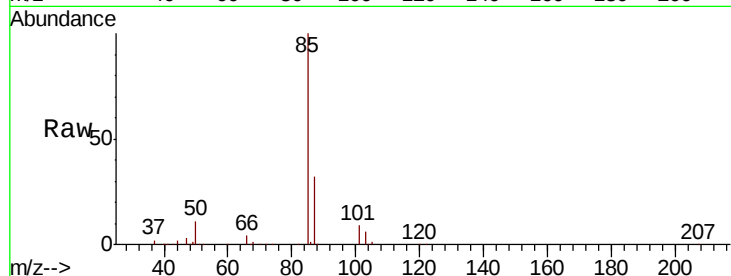
ClientSampled :

Tot Ion: 85 Resp: 257038

Ion Ratio Lower Upper

85 100

87 32.1 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038408.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU038408.D (-8) (-)

1.39

250000

200000

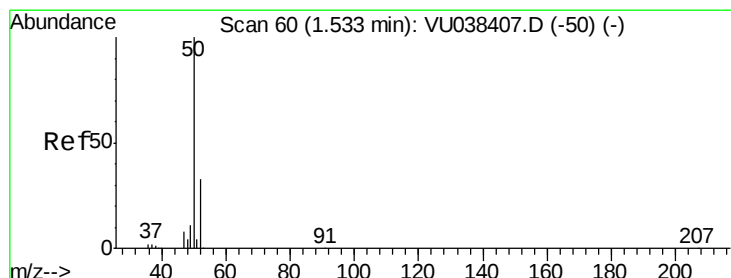
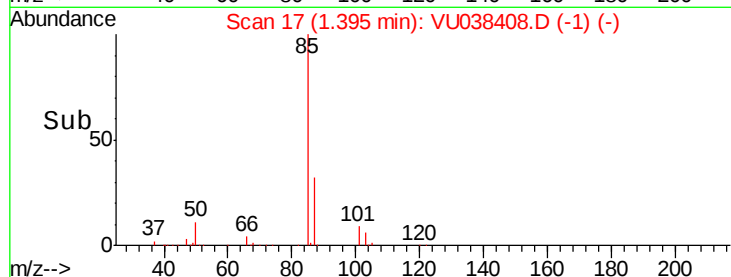
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 9.697 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038408.D

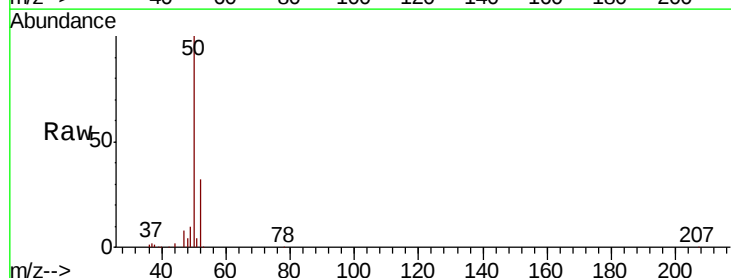
Acq: 30 May 2020 12:22

Tgt Ion: 50 Resp: 237740

Ion Ratio Lower Upper

50 100

52 31.6 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU038408.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038408.D (-50) (-)

1.53

250000

200000

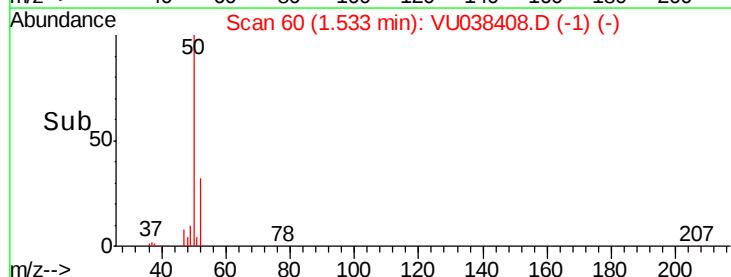
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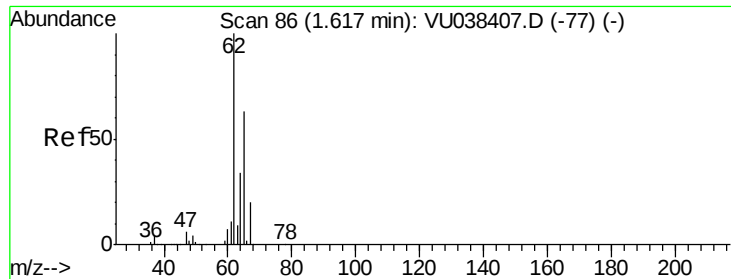
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50000

0

Time-->





#5

Vinyl chloride

Concen: 9.743 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

Instrument :

MSVOA_U

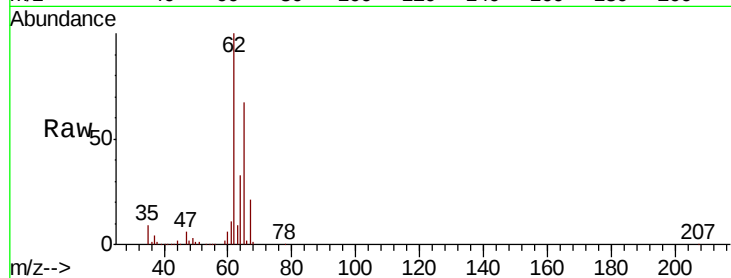
ClientSampleId :

Tot Ion: 62 Resp: 255921

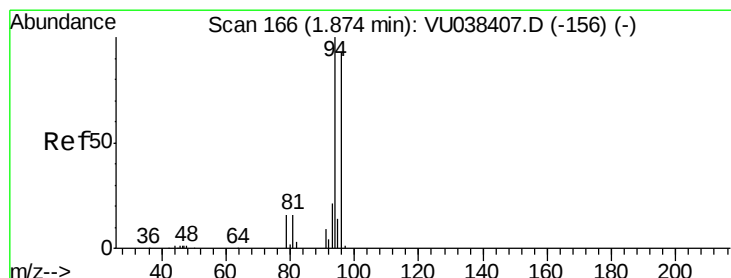
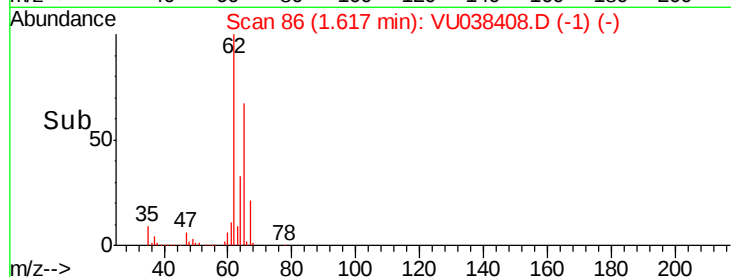
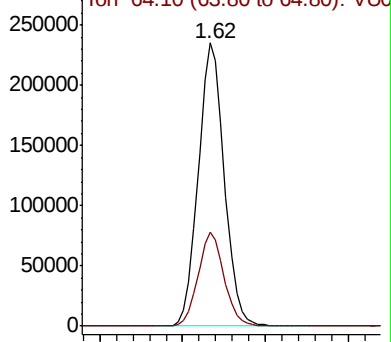
Ion Ratio Lower Upper

62 100

64 33.0 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU038408.D (-1) (-)



#6

Bromomethane

Concen: 9.968 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038408.D

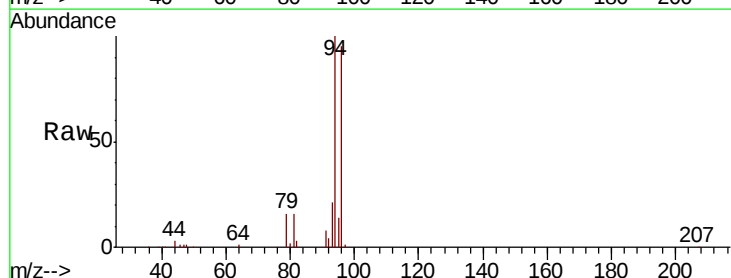
Acq: 30 May 2020 12:22

Tgt Ion: 94 Resp: 127117

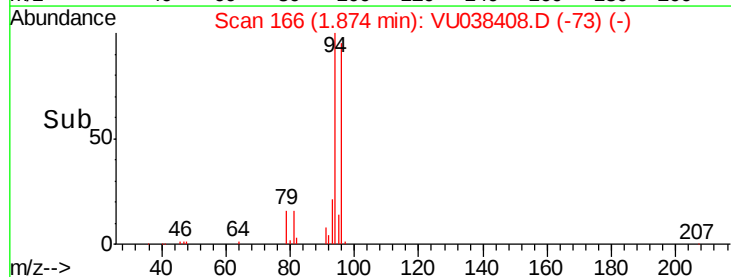
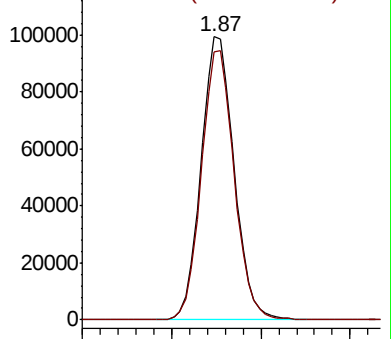
Ion Ratio Lower Upper

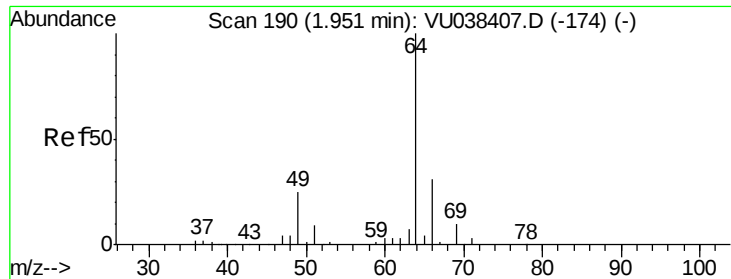
94 100

96 94.6 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU038408.D (-73) (-)

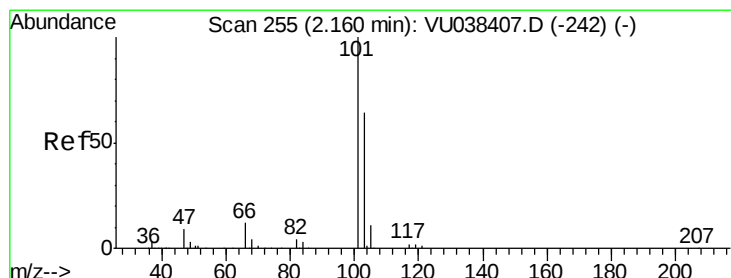
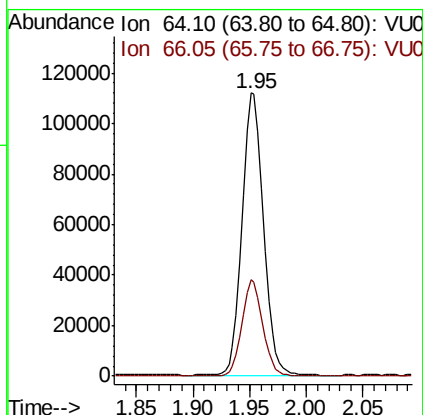
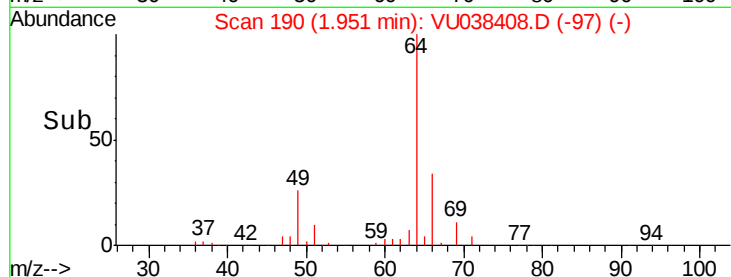
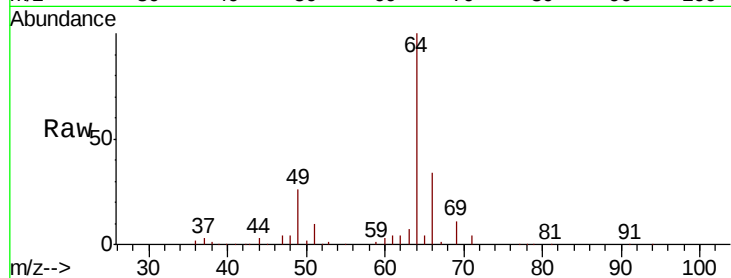




#8
Chloroethane
Concen: 9.405 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU038408.D
Acq: 30 May 2020 12:22

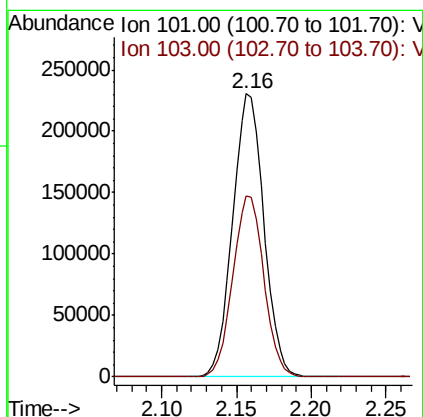
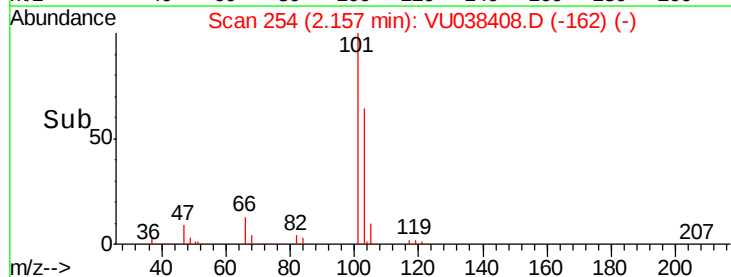
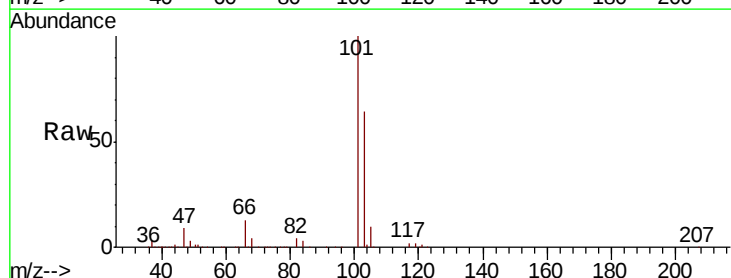
Instrument :
MSVOA_U
ClientSampleId :

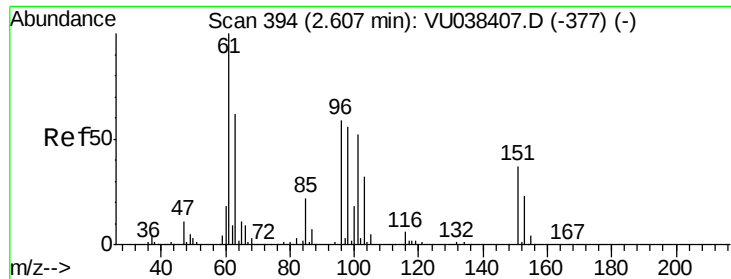
Tot Ion: 64 Resp: 148032
Ion Ratio Lower Upper
64 100
66 34.0 21.5 39.9



#9
Trichlorofluoromethane
Concen: 9.618 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU038408.D
Acq: 30 May 2020 12:22

Tgt Ion:101 Resp: 335148
Ion Ratio Lower Upper
101 100
103 63.7 51.1 76.7





#10

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

Concen: 9.518 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

Instrument :

MSVOA_U

ClientSampleId :

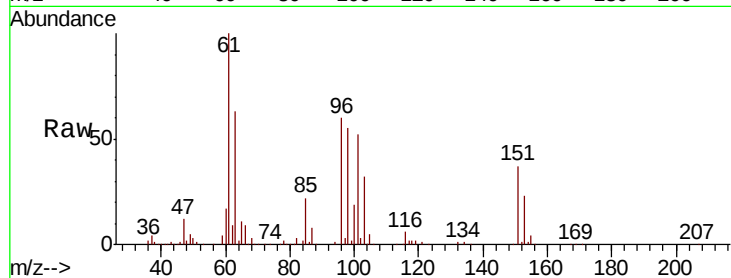
Tot Ion:101 Resp: 195340

Ion Ratio Lower Upper

101 100

85 43.1 34.0 51.0

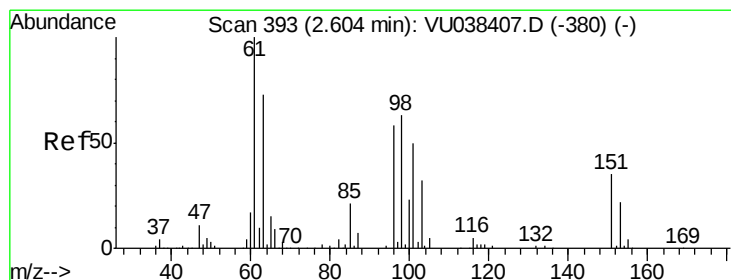
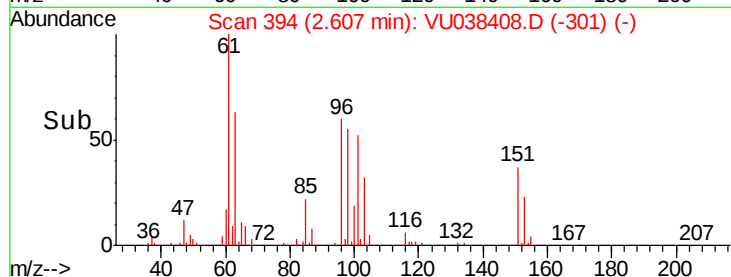
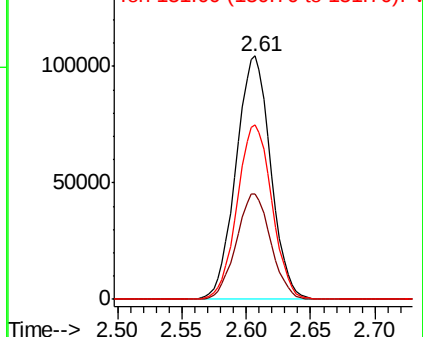
151 71.8 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 9.493 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

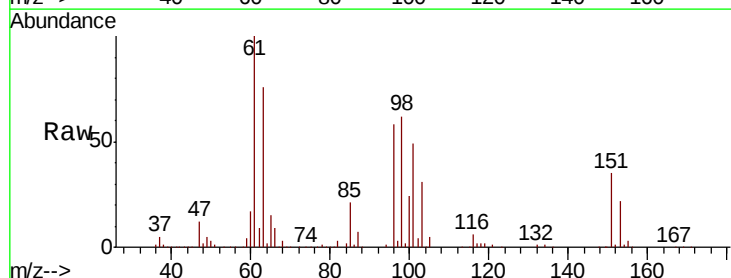
Tgt Ion: 96 Resp: 198016

Ion Ratio Lower Upper

96 100

61 171.6 119.9 222.7

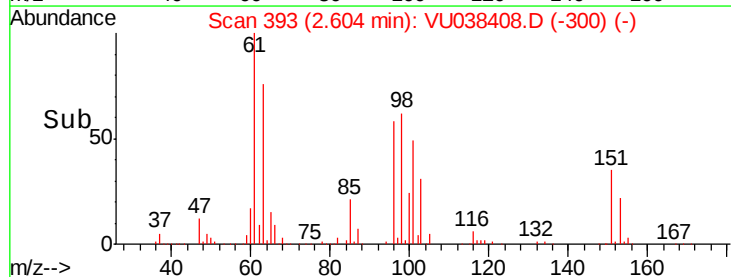
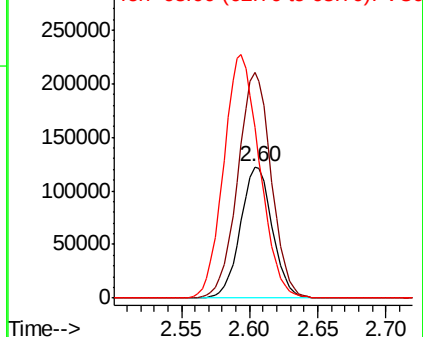
63 130.1 89.9 167.0

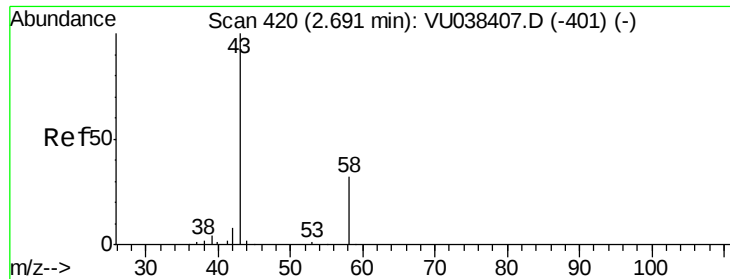


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 95.309 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.01 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

Instrument :

MSVOA_U

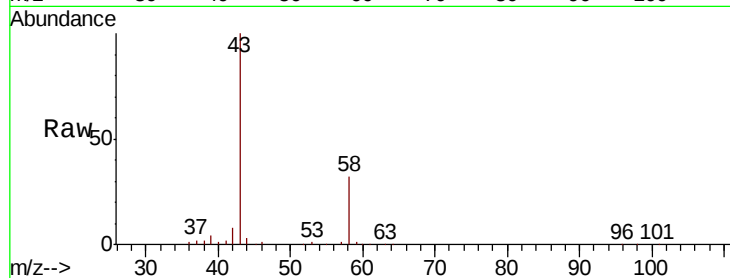
ClientSampleId :

Tot Ion: 43 Resp: 415379

Ion Ratio Lower Upper

43 100

58 32.3 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038407.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038407.D (-401) (-)

2.68

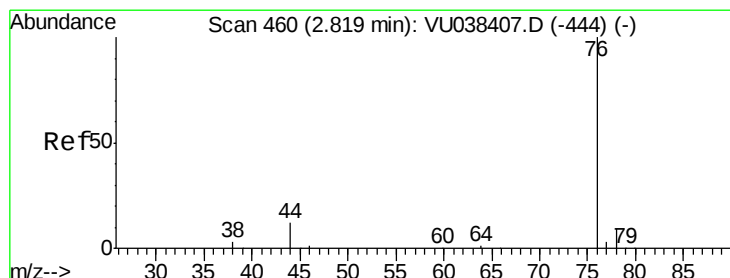
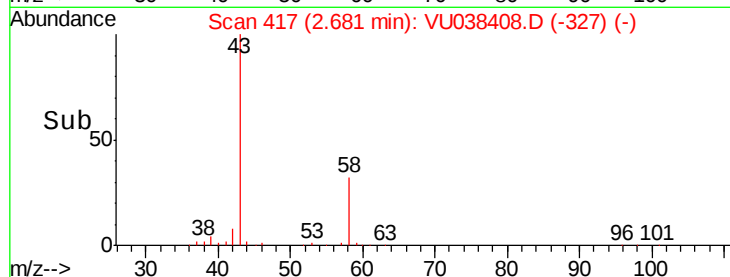
100000

50000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 9.540 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038408.D

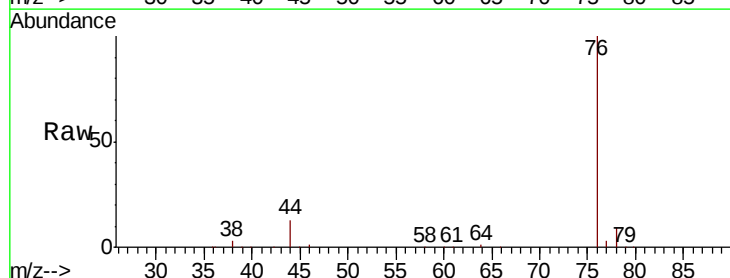
Acq: 30 May 2020 12:22

Tgt Ion: 76 Resp: 675222

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU038407.D (-444) (-)

Ion 78.00 (77.70 to 78.70): VU038407.D (-444) (-)

2.82

400000

300000

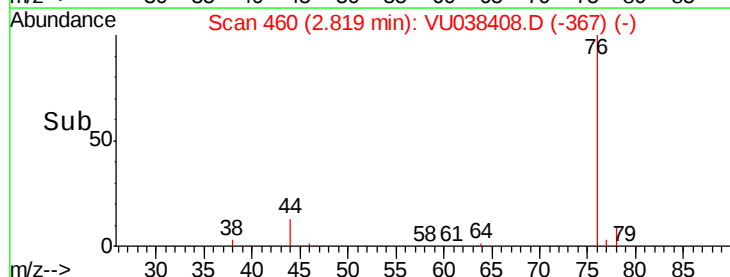
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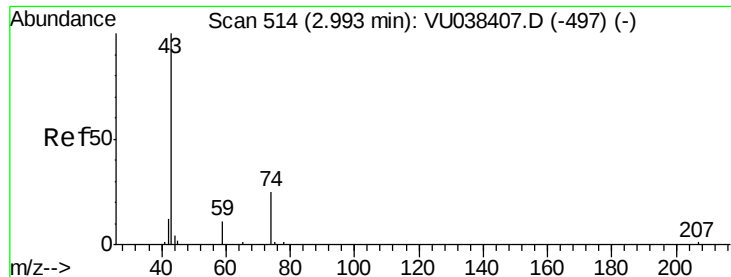
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Time-->

2.75 2.80 2.85 2.90

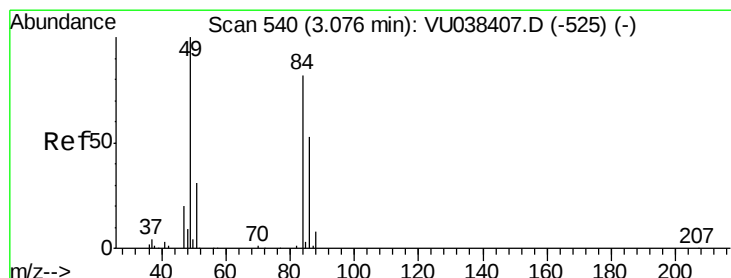
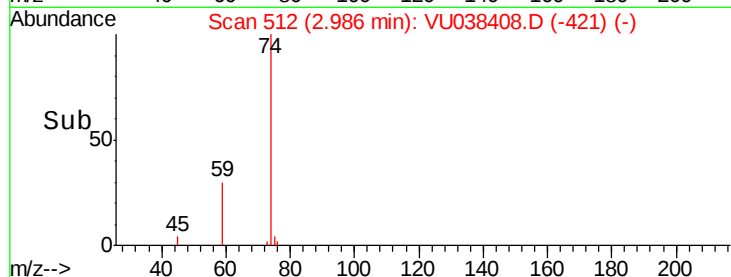
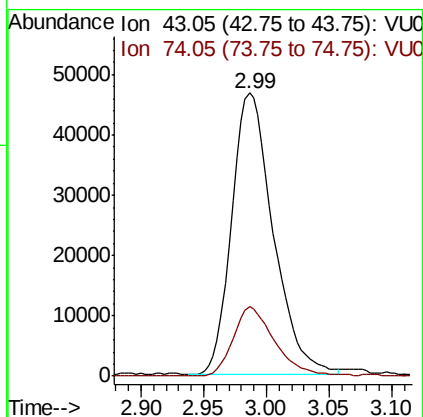
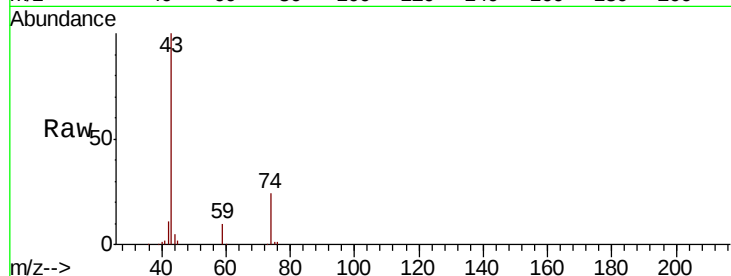




#15
Methvl Acetate
Concen: 10.108 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.01 min
Lab File: VU038408.D
Acq: 30 May 2020 12:22

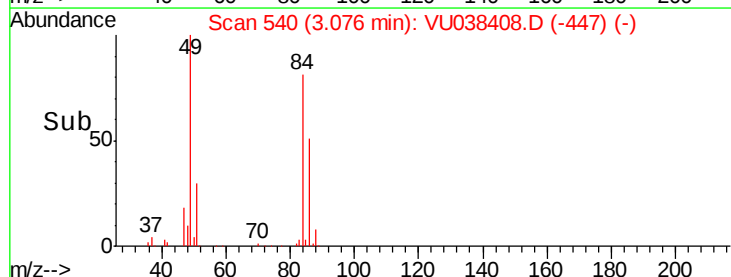
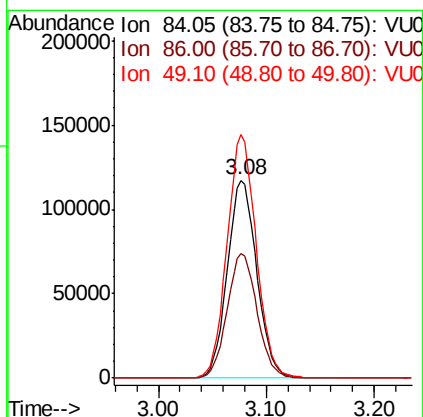
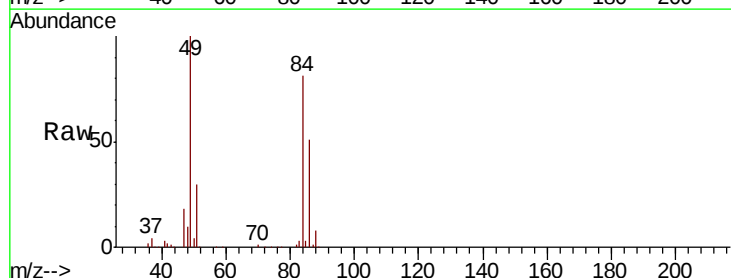
Instrument :
MSVOA_U
ClientSampled :

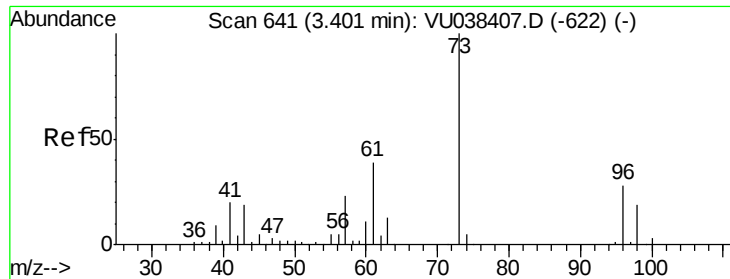
Tot Ion: 43 Resp: 107928
Ion Ratio Lower Upper
43 100
74 24.3 19.2 28.8



#16
Methylene chloride
Concen: 9.448 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038408.D
Acq: 30 May 2020 12:22

Tgt Ion: 84 Resp: 223036
Ion Ratio Lower Upper
84 100
86 63.1 45.0 83.6
49 123.0 85.5 158.9

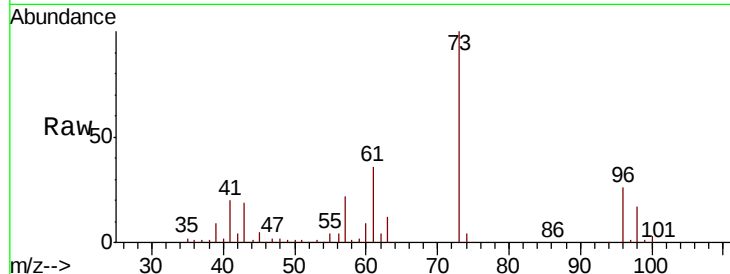




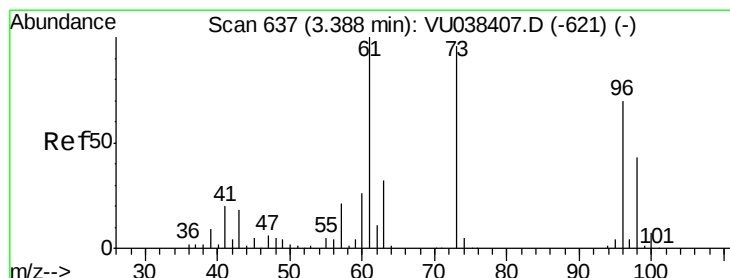
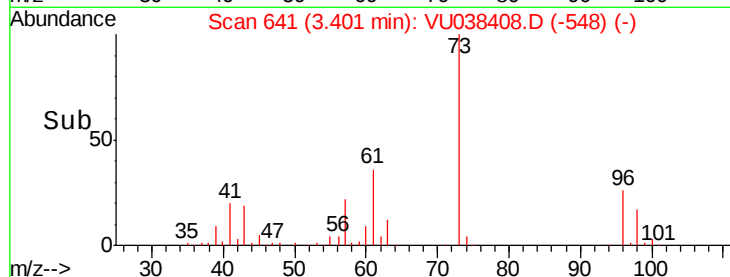
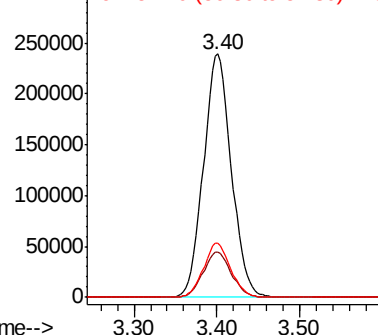
#17
Methvl tert-butvl Ether
Concen: 10.212 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038408.D
Acq: 30 May 2020 12:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 558542
Ion Ratio Lower Upper
73 100
43 18.9 15.5 23.3
57 21.7 17.8 26.6

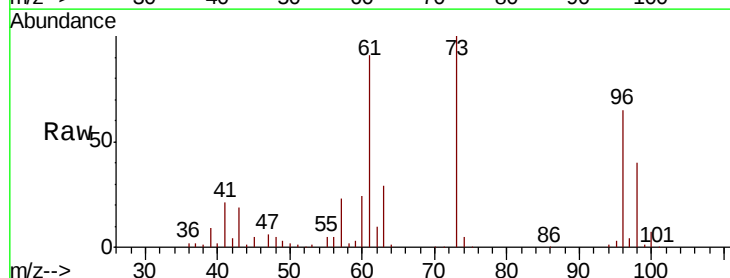


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

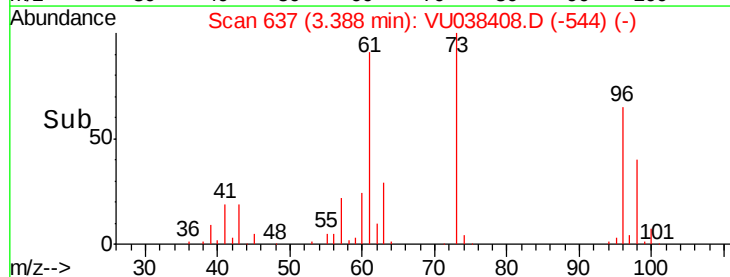
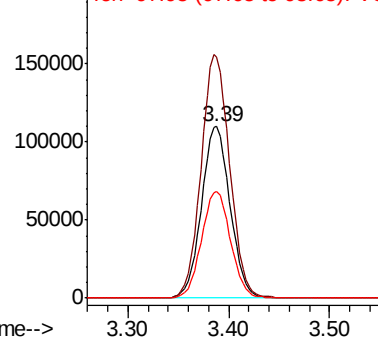


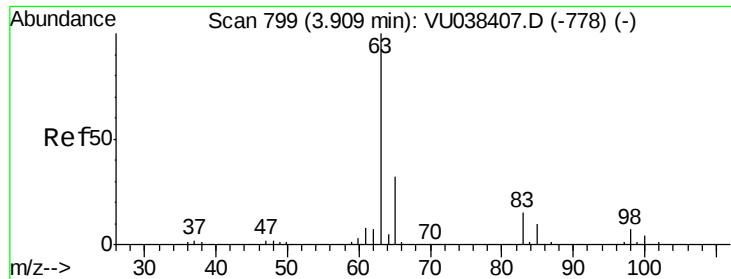
#18
trans-1,2-Dichloroethene
Concen: 9.674 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038408.D
Acq: 30 May 2020 12:22

Tgt Ion: 96 Resp: 217475
Ion Ratio Lower Upper
96 100
61 140.7 100.2 186.0
98 62.0 42.8 79.4



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

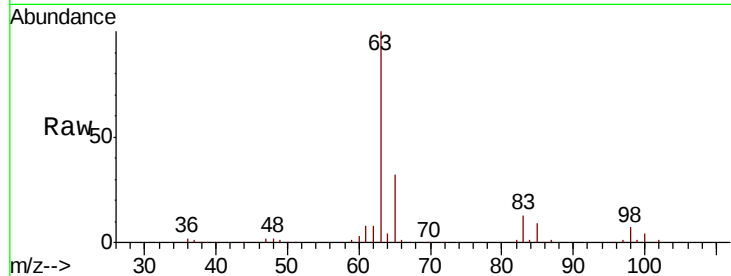




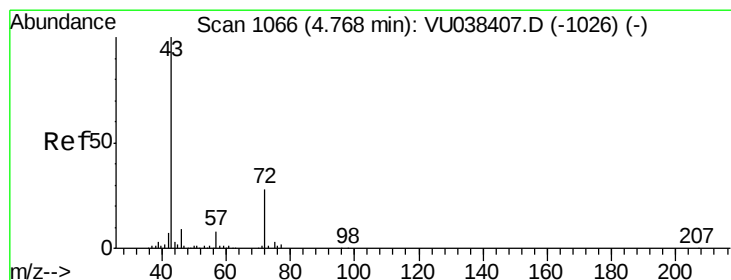
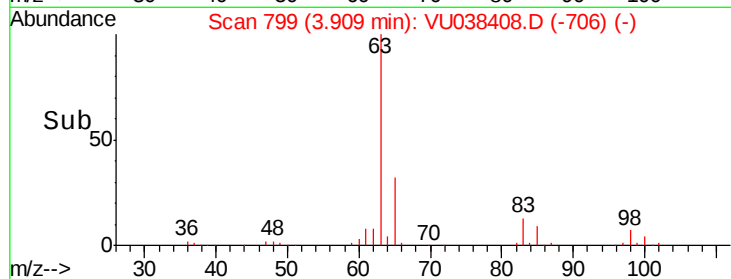
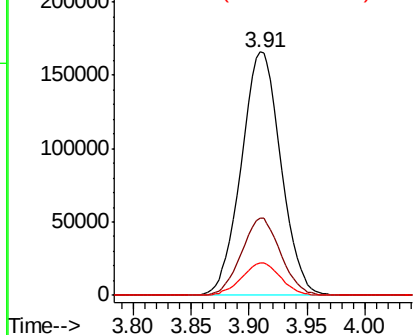
#19
 1,1-Dichloroethane
 Concen: 9.809 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038408.D
 Acq: 30 May 2020 12:22

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 394650
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.3 41.5
 83 13.4 10.4 19.4

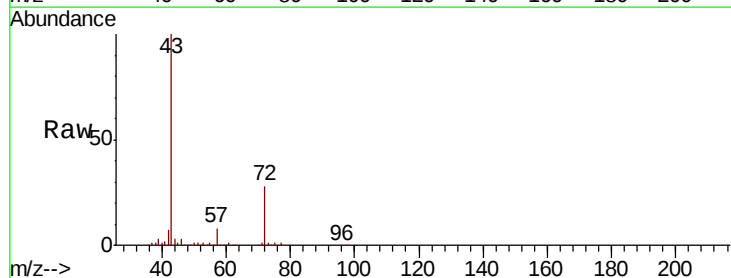


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

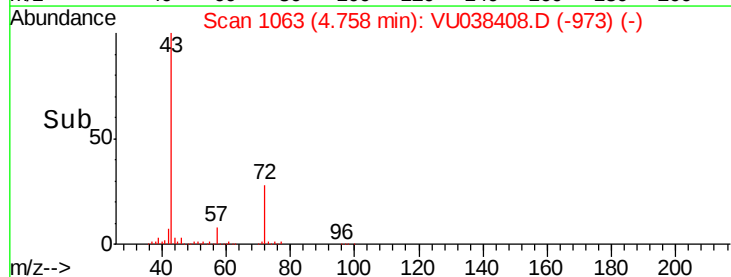
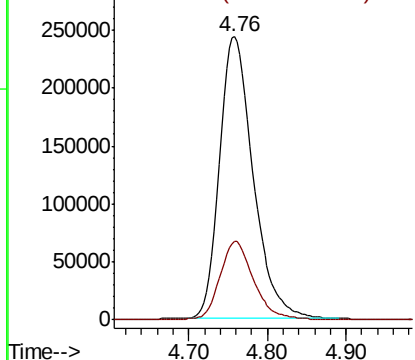


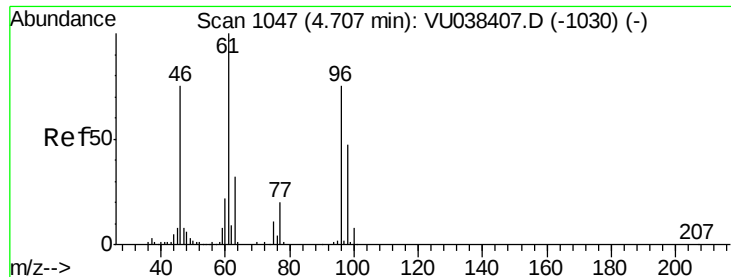
#21
 2-Butanone
 Concen: 97.967 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. -0.01 min
 Lab File: VU038408.D
 Acq: 30 May 2020 12:22

Tgt Ion: 43 Resp: 718146
 Ion Ratio Lower Upper
 43 100
 72 28.3 12.6 37.8



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: 9.633 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

Instrument :
MSVOA_U
ClientSampled :

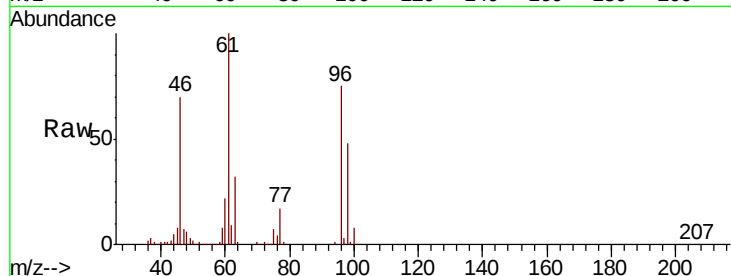
Tot Ion: 96 Resp: 233189

Ion Ratio Lower Upper

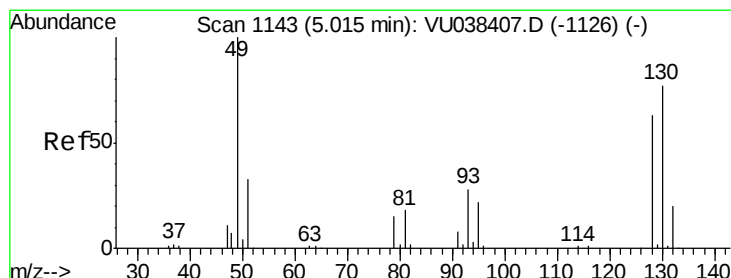
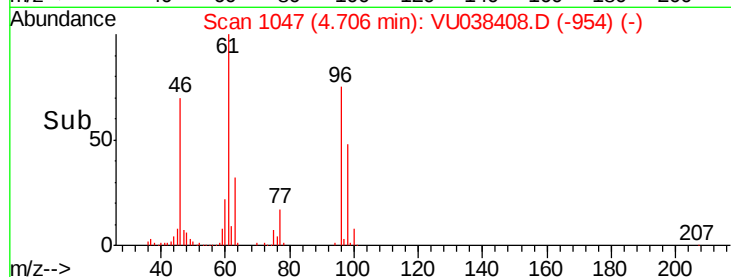
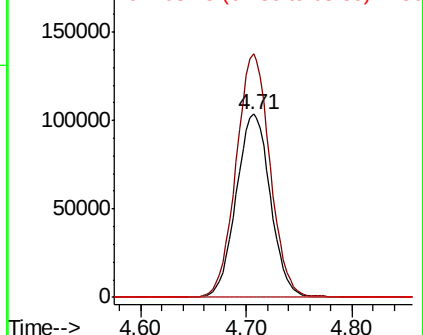
96 100

61 132.8 94.0 174.6

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: 9.504 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

Tgt Ion: 128 Resp: 103539

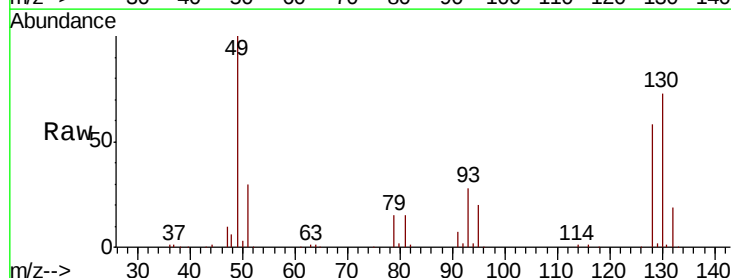
Ion Ratio Lower Upper

128 100

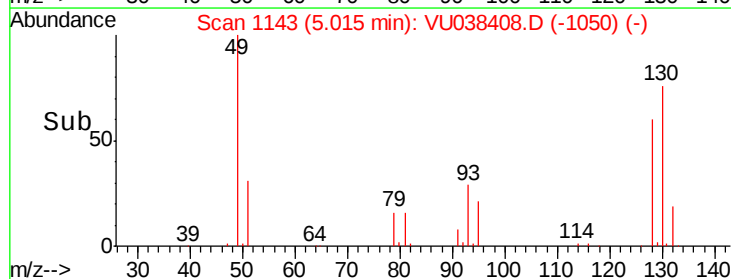
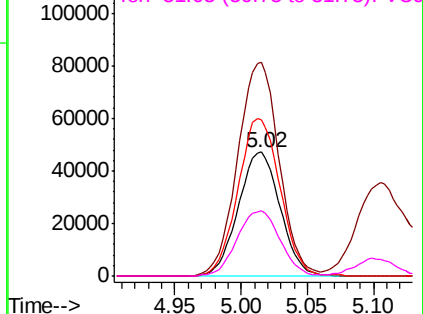
49 172.6 111.9 207.7

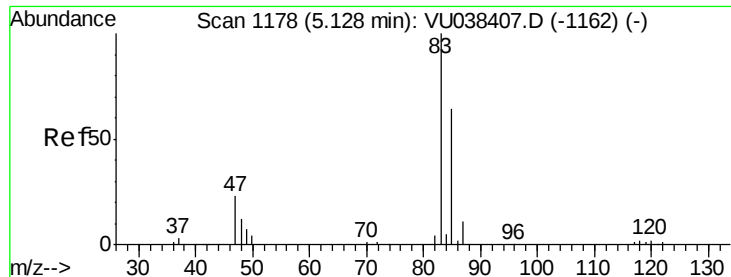
130 125.9 86.5 160.7

51 52.4 41.7 62.5



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

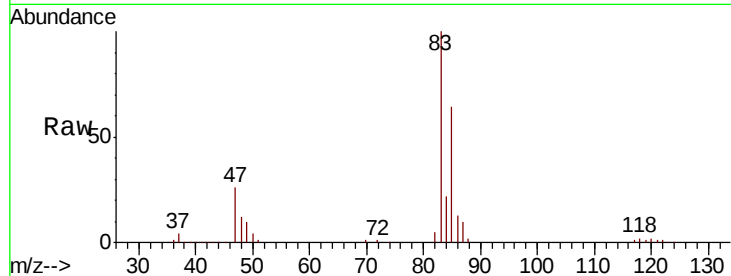




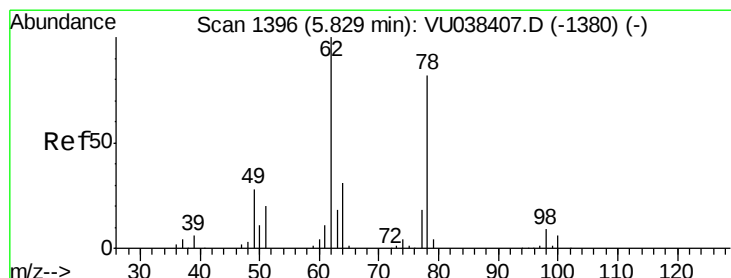
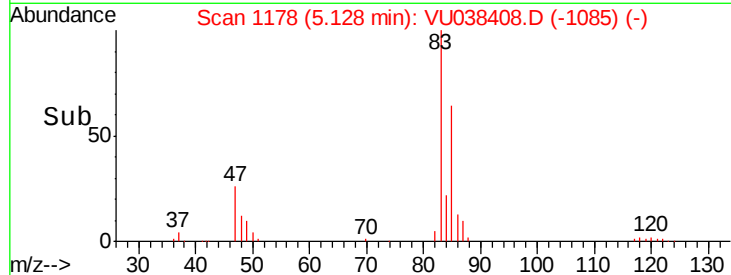
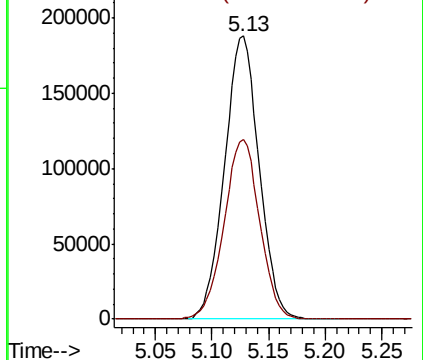
#25
Chloroform
Concen: 9.796 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038408.D
Acq: 30 May 2020 12:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 400341
Ion Ratio Lower Upper
83 100
85 63.5 44.9 83.5

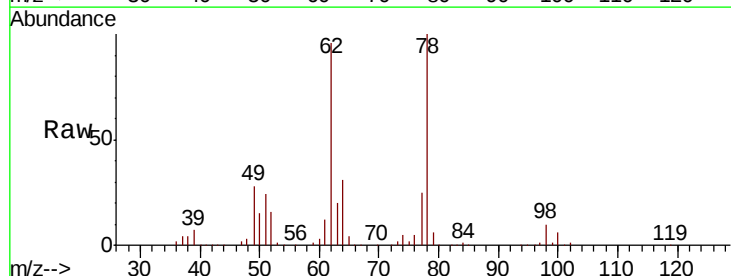


Abundance Ion 83.05 (82.75 to 83.75): VU038408.D (-1085) (-)
Ion 85.00 (84.70 to 85.70): VU038408.D (-1085) (-)

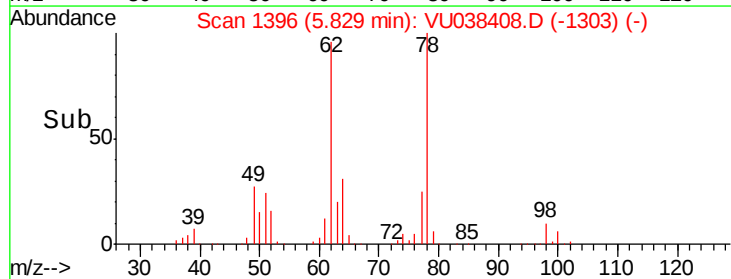
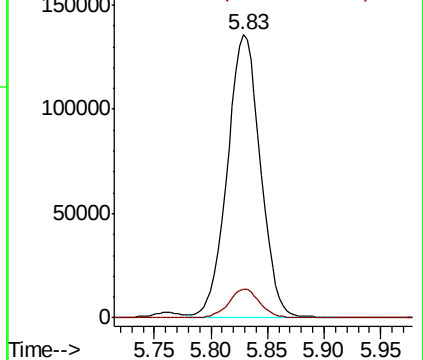


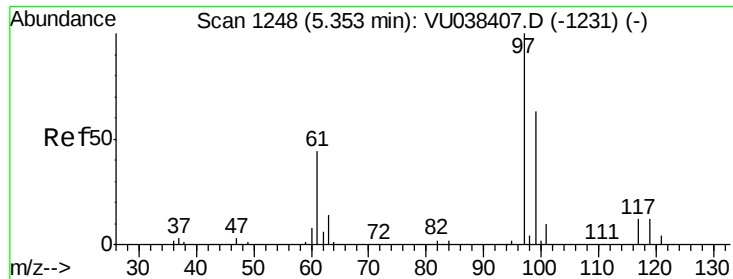
#27
1,2-Dichloroethane
Concen: 9.596 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038408.D
Acq: 30 May 2020 12:22

Tgt Ion: 62 Resp: 276106
Ion Ratio Lower Upper
62 100
98 10.1 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VU038408.D (-1303) (-)
Ion 98.05 (97.75 to 98.75): VU038408.D (-1303) (-)

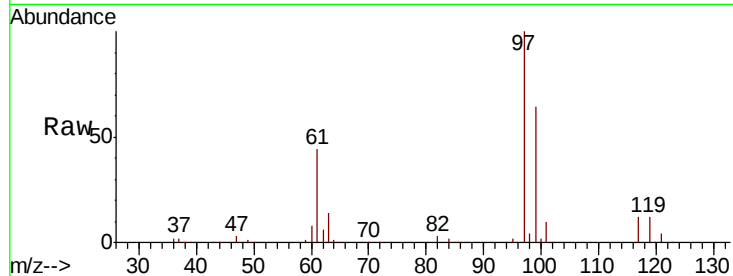




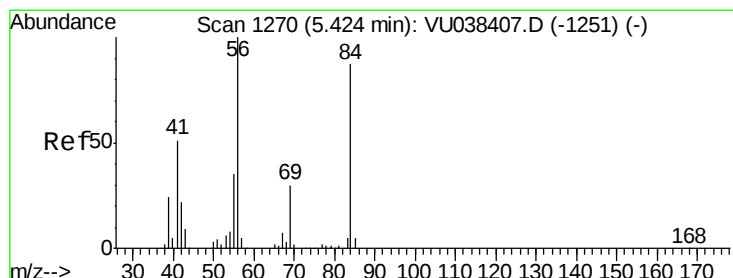
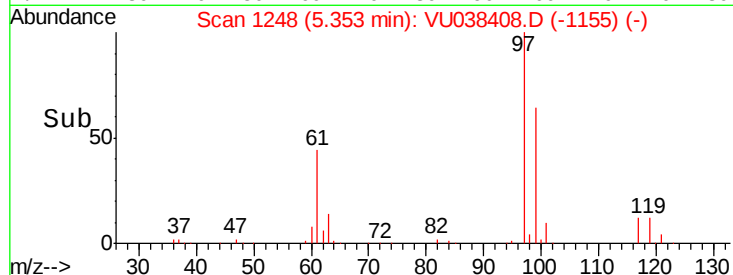
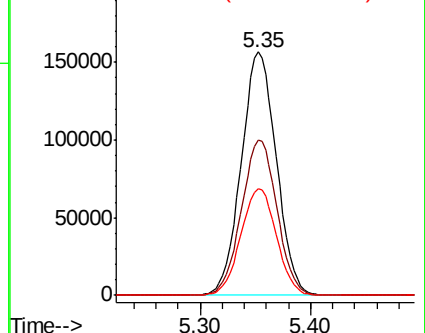
#29
 1,1,1-Trichloroethane
 Concen: 9.873 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038408.D
 Acq: 30 May 2020 12:22

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 346245
 Ion Ratio Lower Upper
 97 100
 99 64.5 52.2 78.2
 61 44.4 35.4 53.2

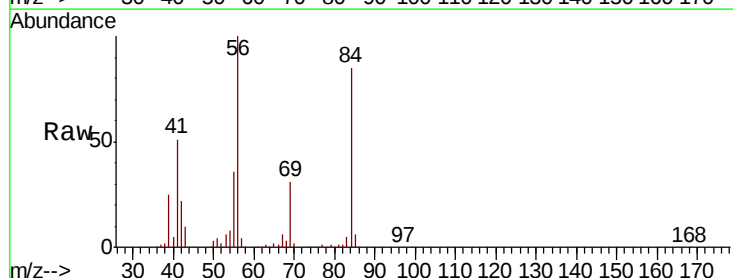


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

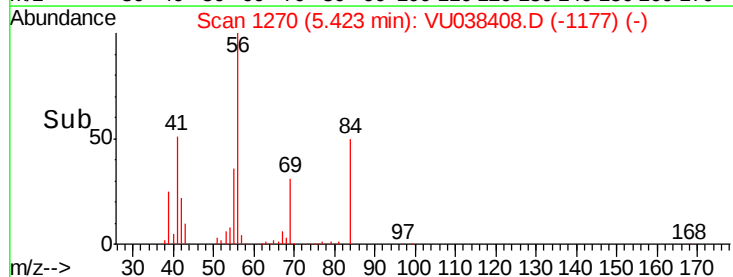
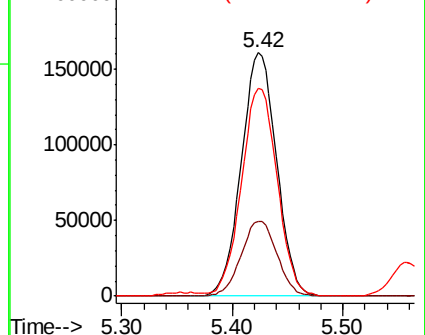


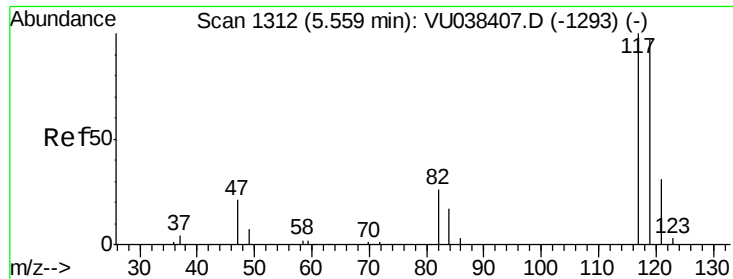
#30
 Cyclohexane
 Concen: 9.720 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038408.D
 Acq: 30 May 2020 12:22

Tgt Ion: 56 Resp: 357466
 Ion Ratio Lower Upper
 56 100
 69 31.1 24.2 36.4
 84 86.4 70.8 106.2



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: 9.769 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

Instrument :

MSVOA_U

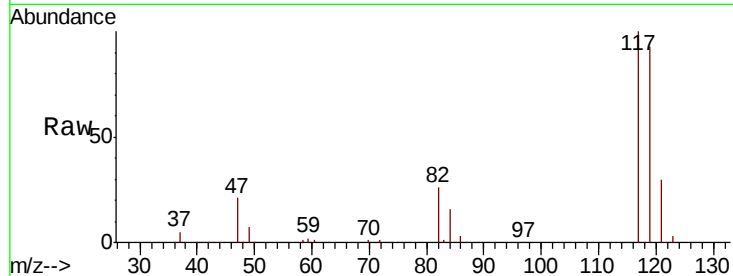
ClientSampled :

Tot Ion:117 Resp: 285236

Ion Ratio Lower Upper

117 100

119 95.3 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

150000

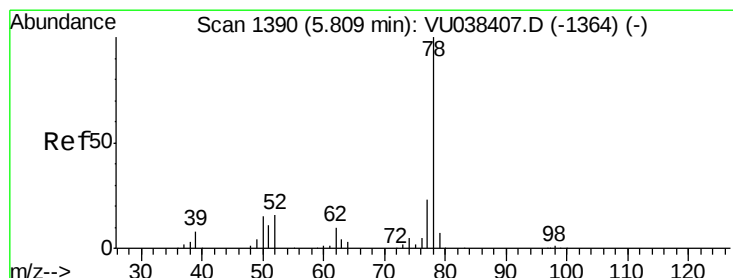
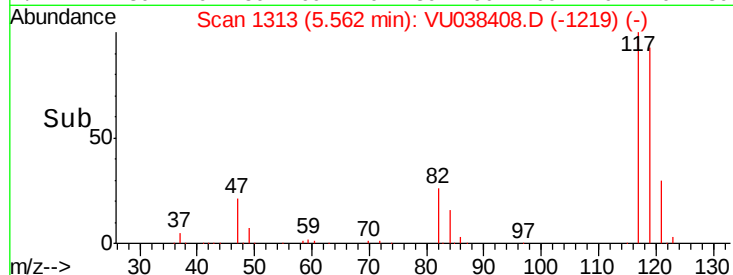
100000

50000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 9.653 ug/L

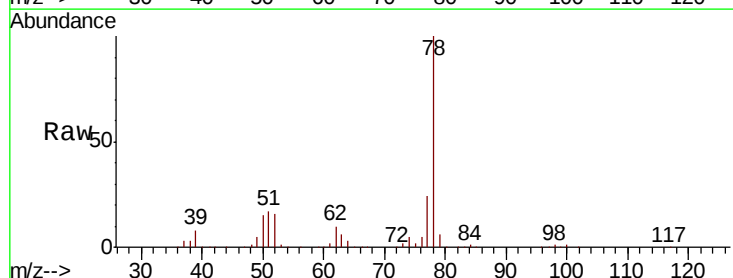
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

Tgt Ion: 78 Resp: 892132



Abundance Ion 78.10 (77.80 to 78.80): VU0

500000

400000

300000

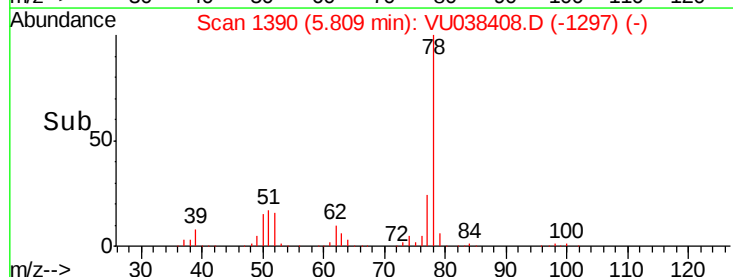
200000

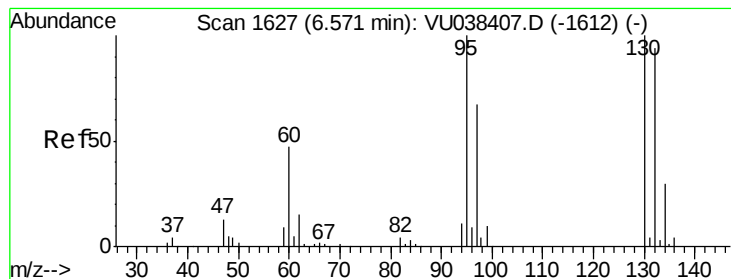
100000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 9.480 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 227417

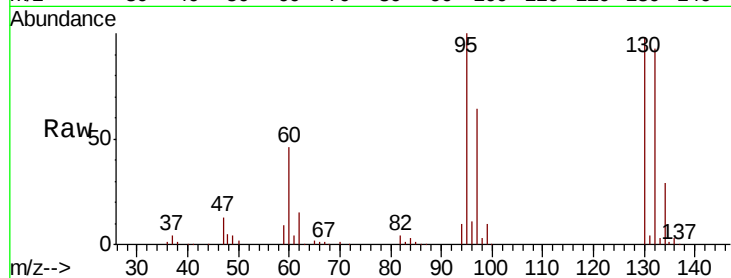
Ion Ratio Lower Upper

95 100

97 64.4 46.8 87.0

132 92.9 66.1 122.7

130 97.8 70.0 130.0

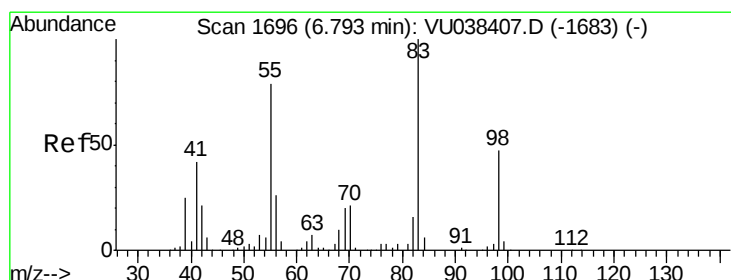
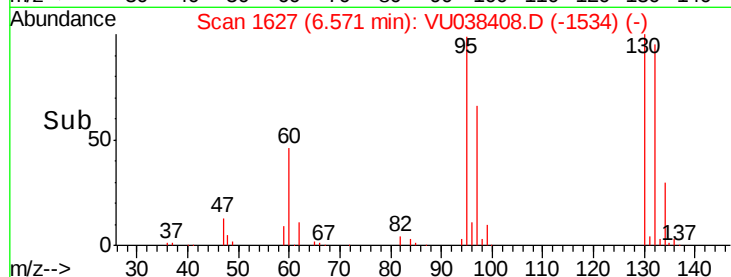
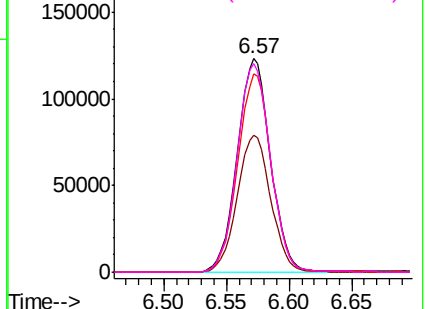


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 10.069 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

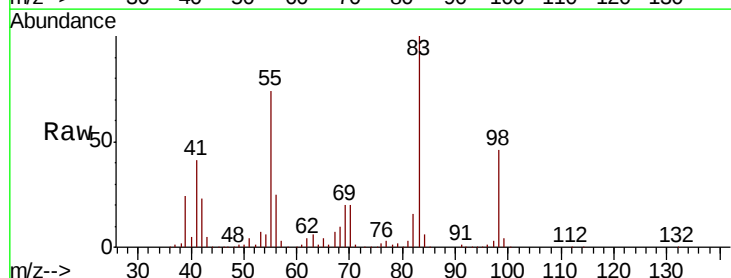
Tgt Ion: 83 Resp: 373966

Ion Ratio Lower Upper

83 100

55 75.0 63.4 95.2

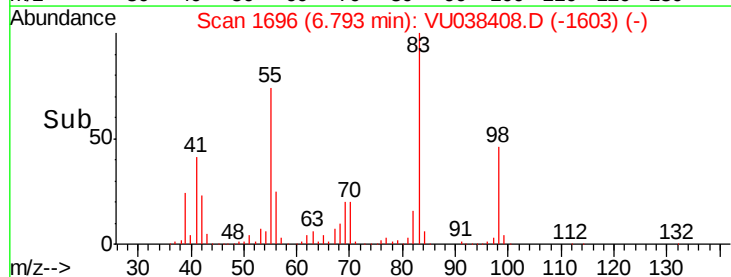
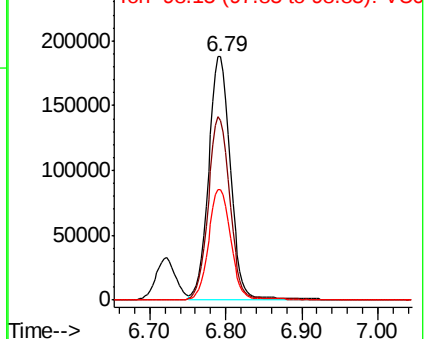
98 45.9 39.0 58.4

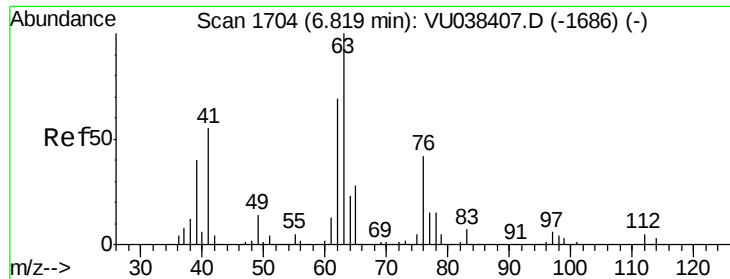


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

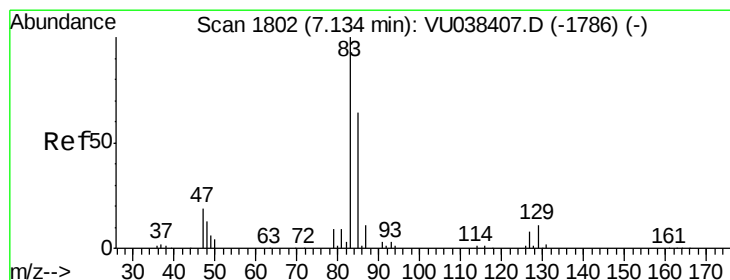
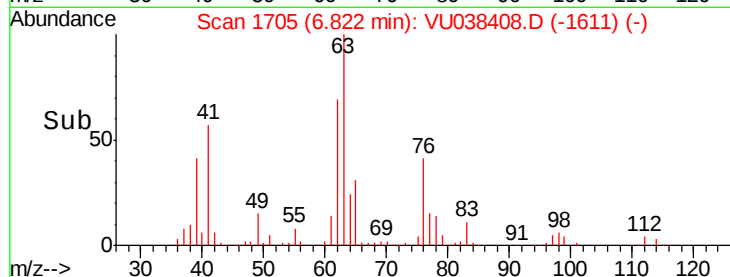
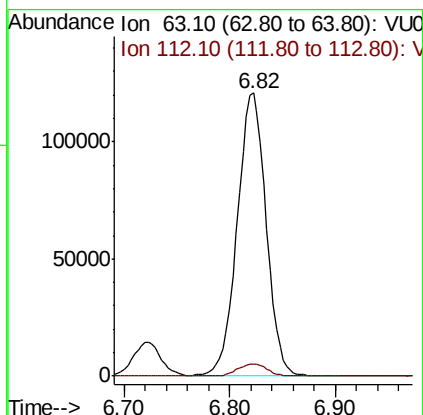
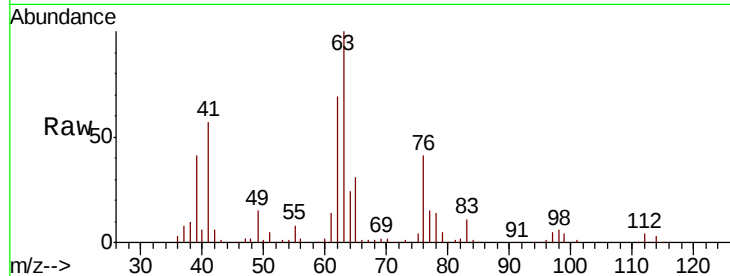




#37
 1,2-Dichloropropane
 Concen: 9.836 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038408.D
 Acq: 30 May 2020 12:22

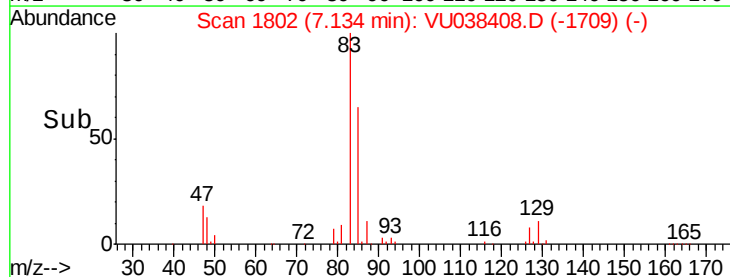
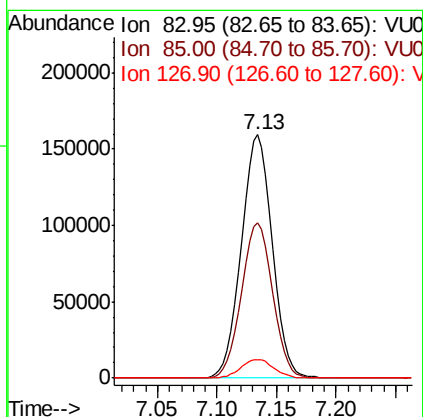
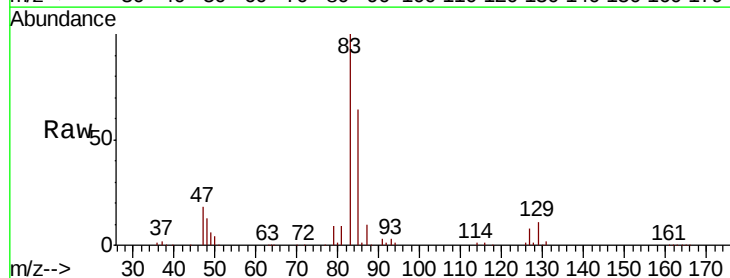
Instrument :
 MSVOA_U
 ClientSampled :

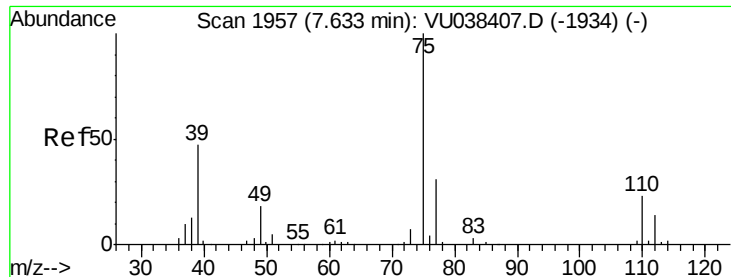
Tot Ion: 63 Resp: 228743
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.7 5.5



#38
 Bromodichloromethane
 Concen: 9.953 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU038408.D
 Acq: 30 May 2020 12:22

Tgt Ion: 83 Resp: 287475
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.7 83.1
 127 7.8 6.8 10.2



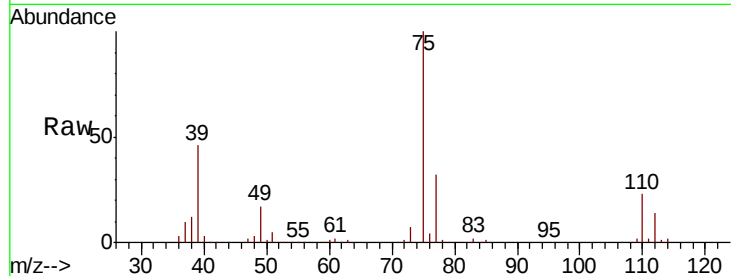


#39

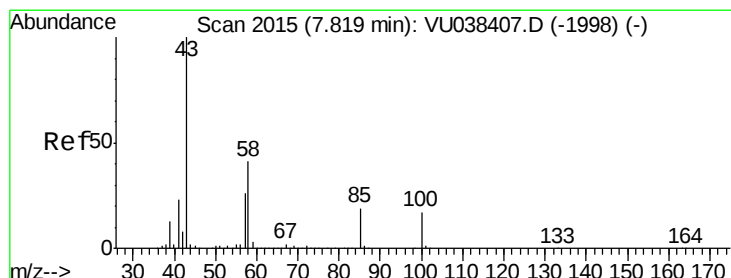
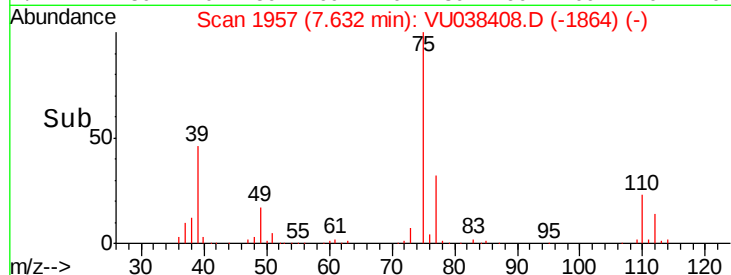
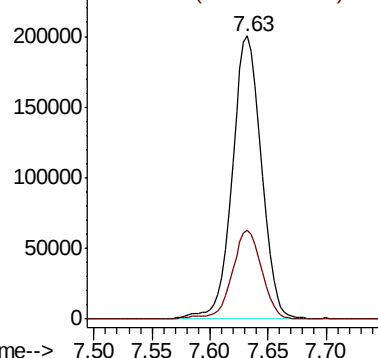
cis-1,3-Dichloropropene
Concen: 10.237 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VU038408.D
Acq: 30 May 2020 12:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 351855
Ion Ratio Lower Upper
75 100
77 31.6 21.9 40.7



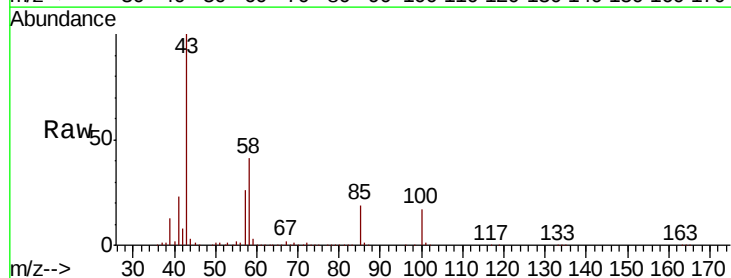
Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0



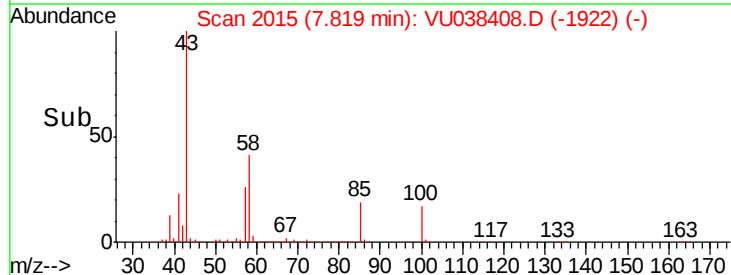
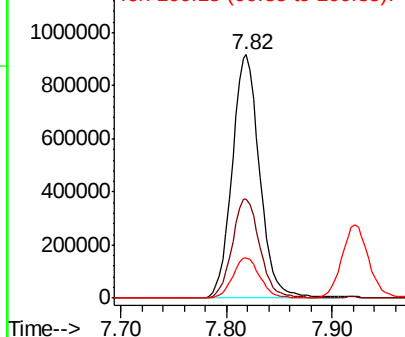
#40

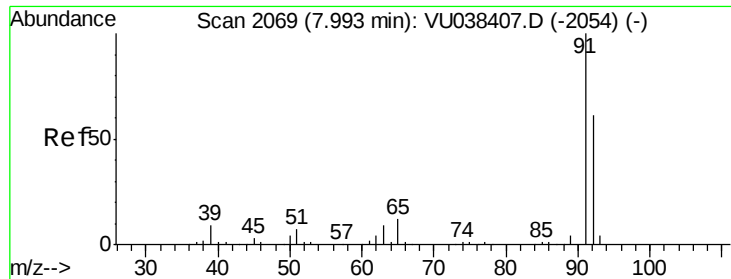
4-Methyl-2-pentanone
Concen: 99.267 ug/L
RT: 7.82 min Scan# 2015
Delta R.T. -0.00 min
Lab File: VU038408.D
Acq: 30 May 2020 12:22

Tgt Ion: 43 Resp: 1651045
Ion Ratio Lower Upper
43 100
58 41.1 32.4 48.6
100 16.6 13.3 19.9



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





#42

Toluene

Concen: 9.814 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

Instrument :

MSVOA_U

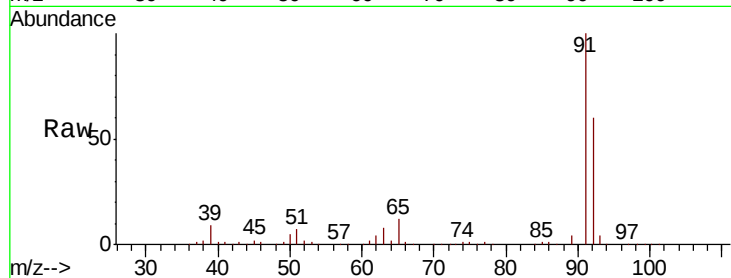
ClientSampleId :

Tot Ion: 91 Resp: 951371

Ion Ratio Lower Upper

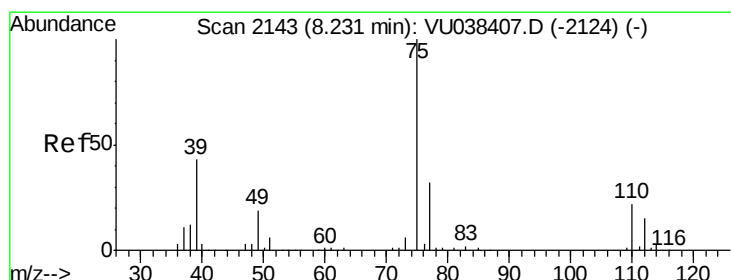
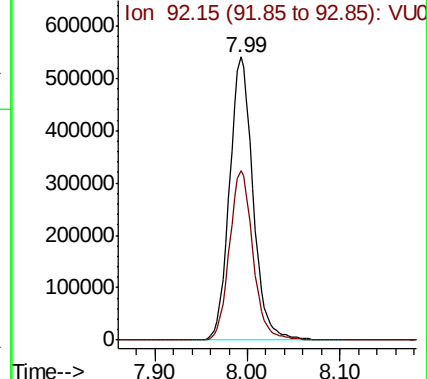
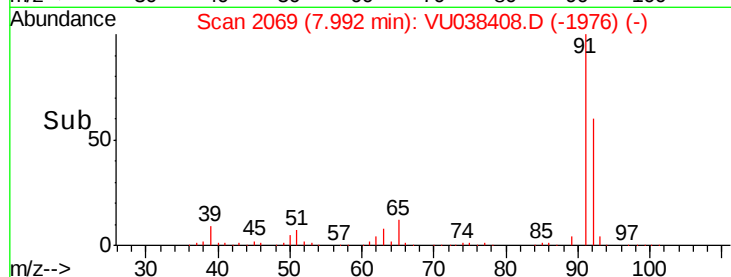
91 100

92 59.9 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038407.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038408.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 10.194 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038408.D

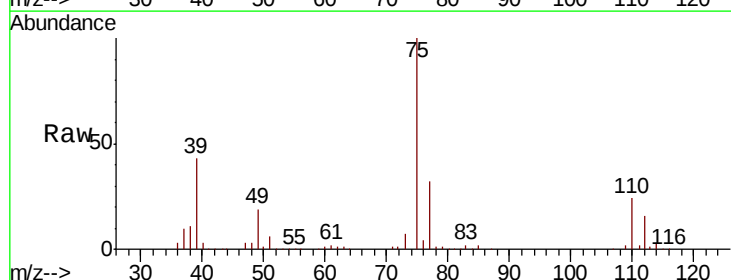
Acq: 30 May 2020 12:22

Tgt Ion: 75 Resp: 309444

Ion Ratio Lower Upper

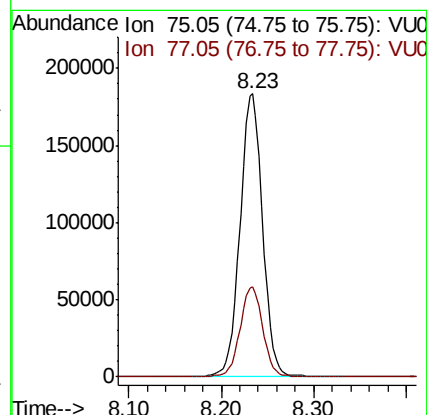
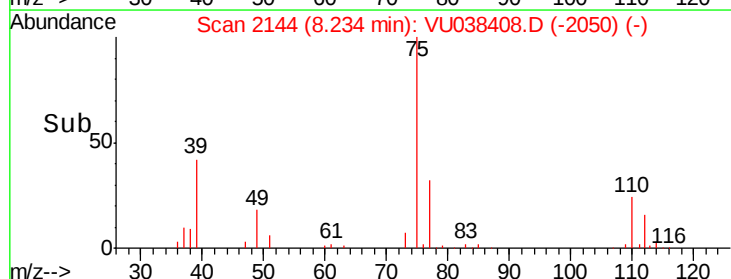
75 100

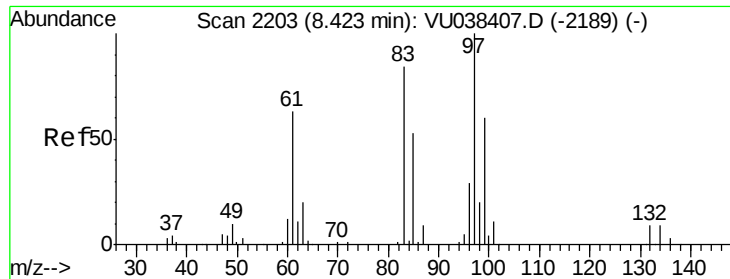
77 31.8 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU038407.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU038408.D (-2050) (-)





#45

1,1,2-Trichloroethane

Concen: 9.825 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 172393

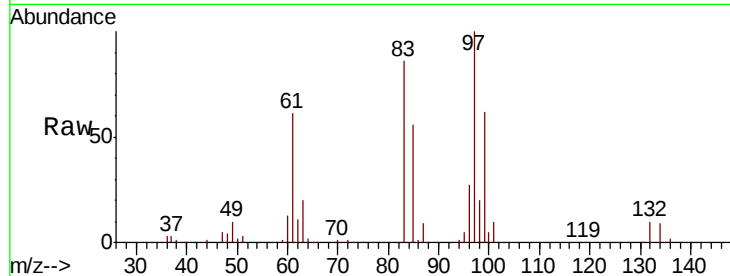
Ion Ratio Lower Upper

97 100

99 62.1 42.1 78.1

83 86.5 58.8 109.2

85 56.3 37.4 69.4

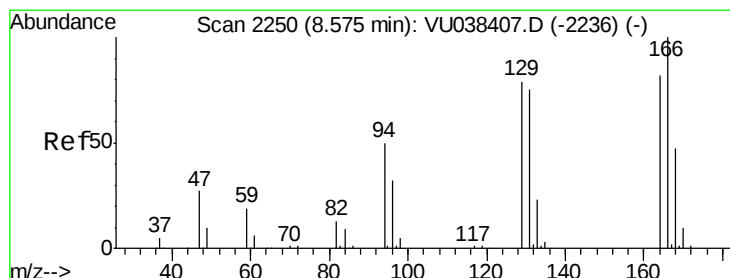
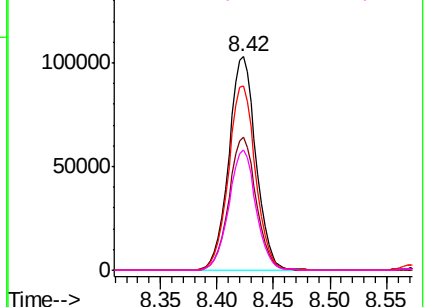
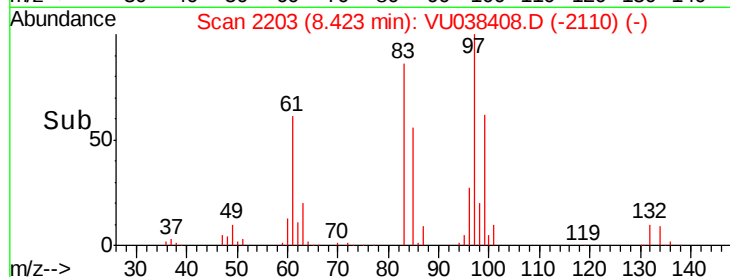


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 9.360 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

Tgt Ion: 164 Resp: 163130

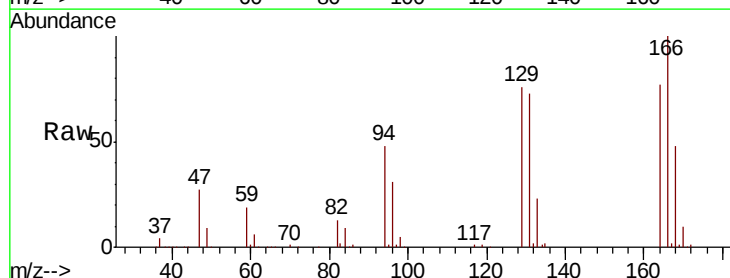
Ion Ratio Lower Upper

164 100

129 97.9 67.4 125.2

131 94.0 64.1 119.1

166 129.5 85.7 159.1

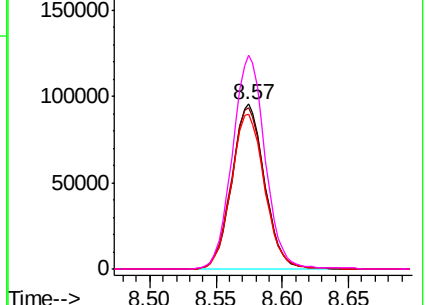
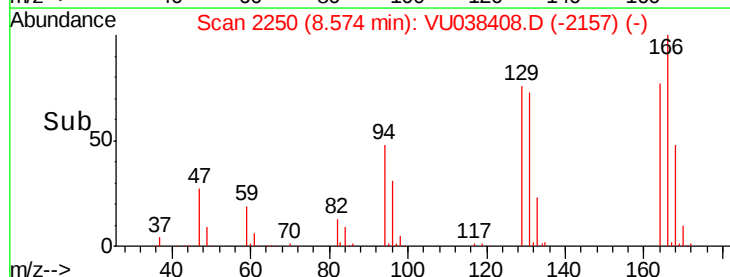


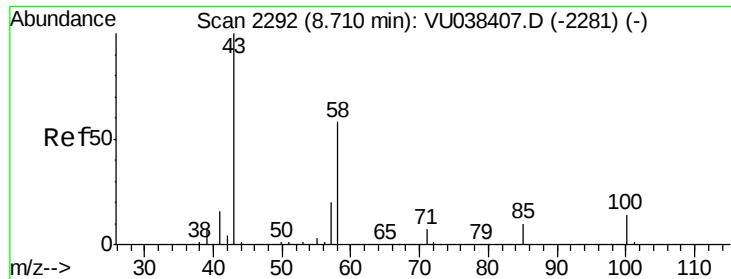
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



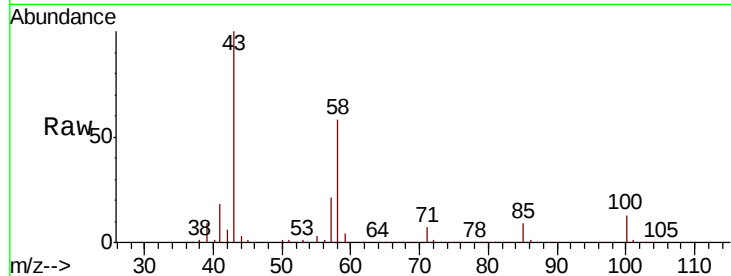


#48
2-Hexanone
Concen: 98.530 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038408.D
Acq: 30 May 2020 12:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1241082

Ion	Ratio	Lower	Upper
43	100		
58	57.5	45.4	68.0
57	20.7	15.9	23.9
100	13.0	10.5	15.7

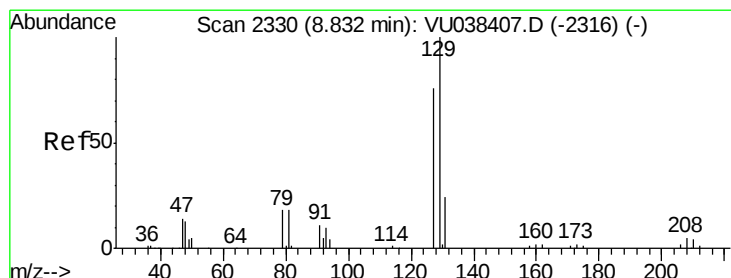
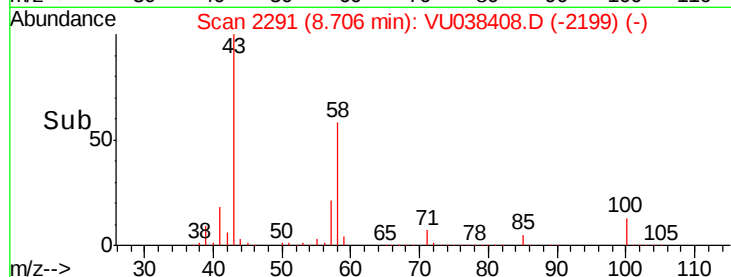
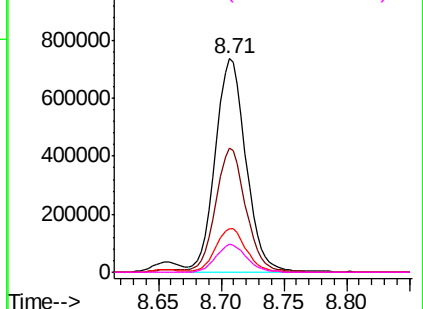


Abundance Ion 43.05 (42.75 to 43.75): VU038408.D (-2199) (-)

Ion 58.05 (57.75 to 58.75): VU038408.D (-2199) (-)

Ion 57.20 (56.90 to 57.90): VU038408.D (-2199) (-)

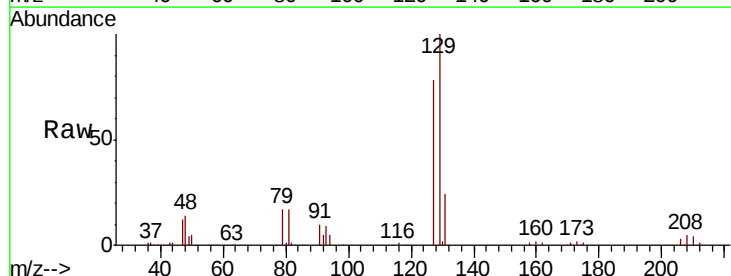
Ion 100.15 (99.85 to 100.85): VU038408.D (-2199) (-)



#49
Dibromochloromethane
Concen: 10.154 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038408.D
Acq: 30 May 2020 12:22

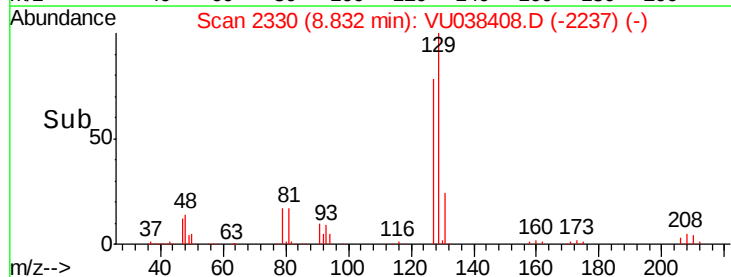
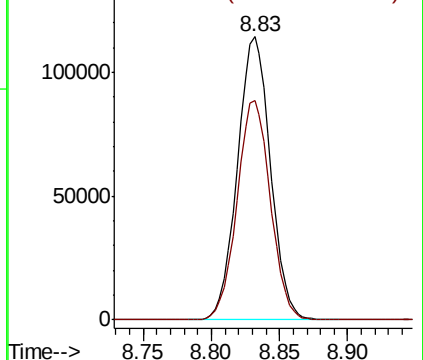
Tgt Ion: 129 Resp: 192297

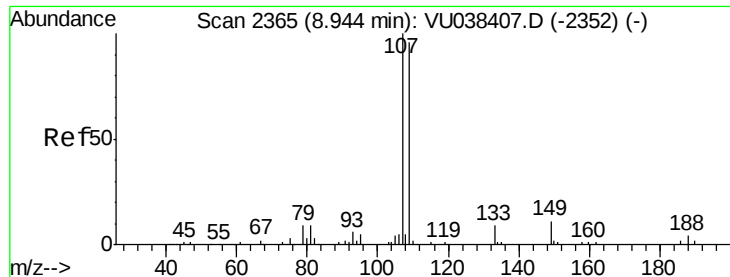
Ion	Ratio	Lower	Upper
129	100		
127	77.6	53.3	99.1



Abundance Ion 128.95 (128.65 to 129.65): VU038408.D (-2237) (-)

Ion 126.90 (126.60 to 127.60): VU038408.D (-2237) (-)

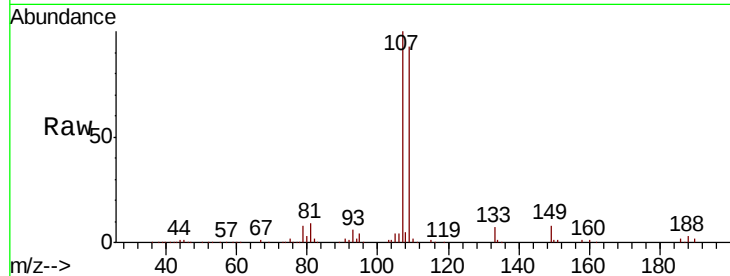




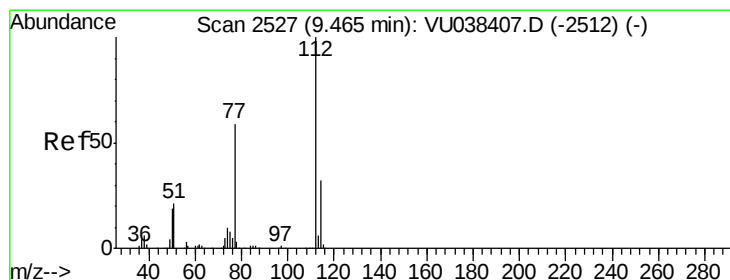
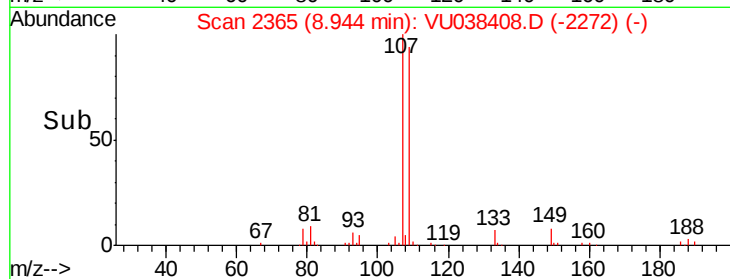
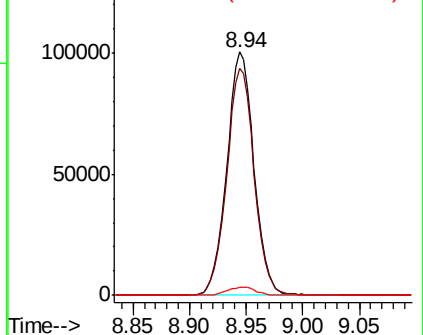
#50
 1,2-Dibromoethane
 Concen: 9.962 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU038408.D
 Acq: 30 May 2020 12:22

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	67.0	124.4
188	3.4	3.0	4.4

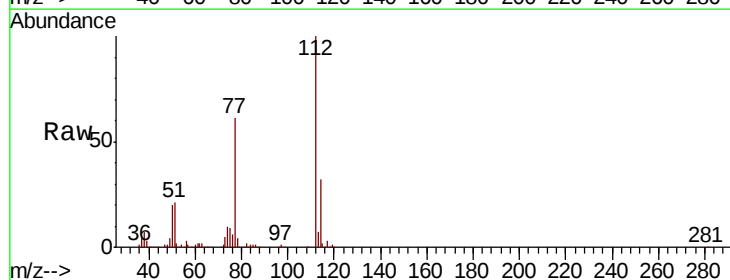


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

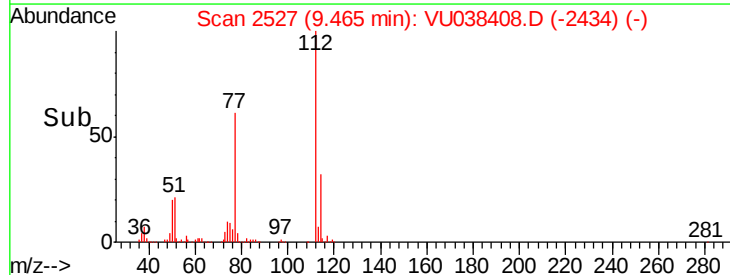
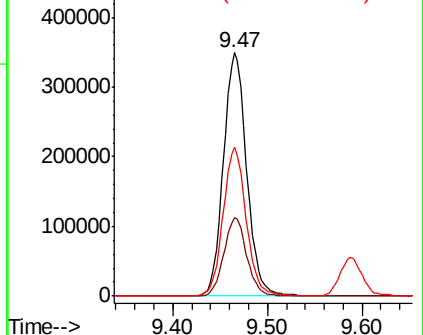


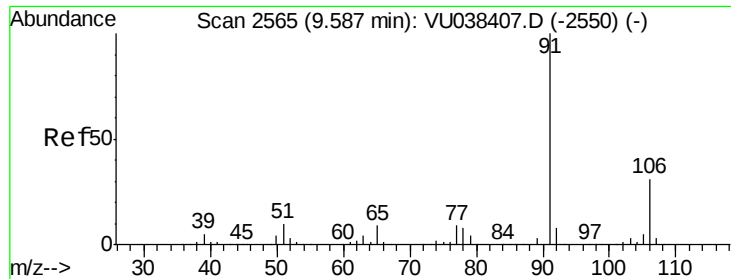
#51
 Chlorobenzene
 Concen: 9.539 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU038408.D
 Acq: 30 May 2020 12:22

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.4	41.6
77	61.1	47.1	70.7



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: 9.834 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

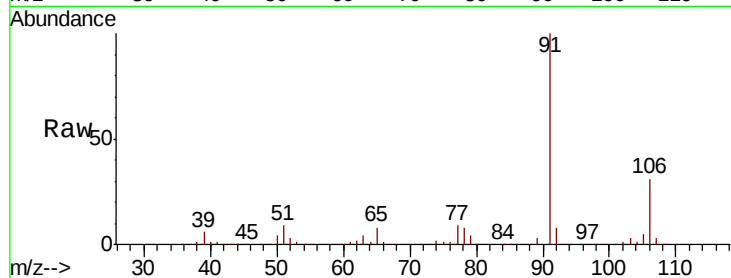
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 1060576

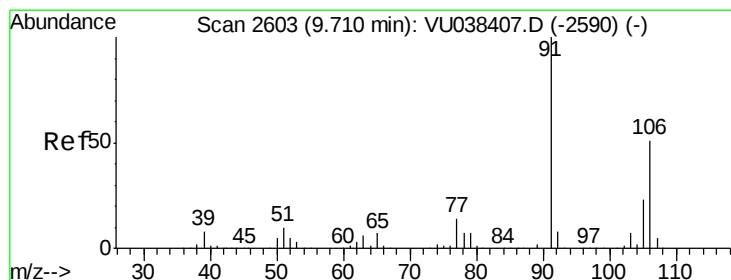
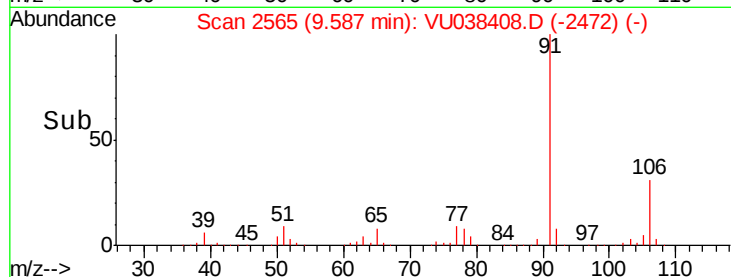
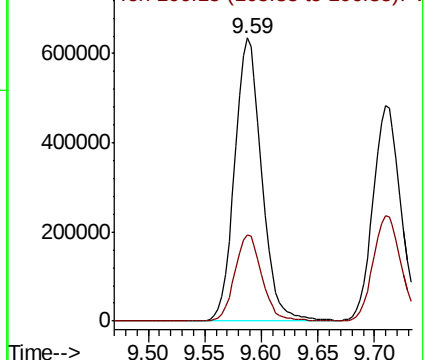
Ion Ratio Lower Upper

91 100

106 30.6 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038408.D (-2472) (-)



#53

m,p-Xylene

Concen: 9.961 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038408.D

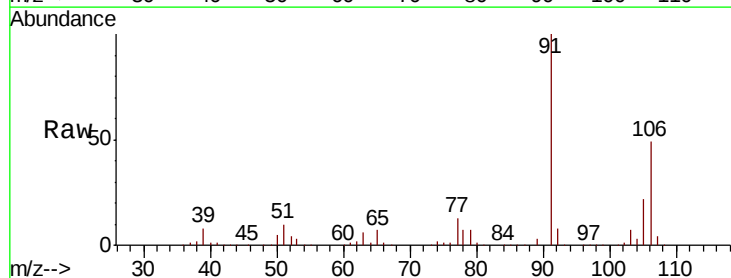
Acq: 30 May 2020 12:22

Tgt Ion:106 Resp: 413173

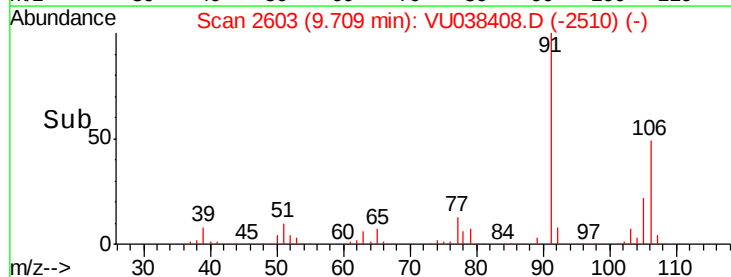
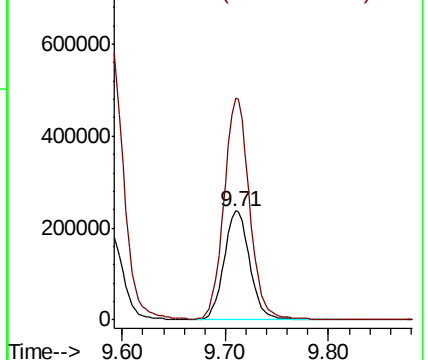
Ion Ratio Lower Upper

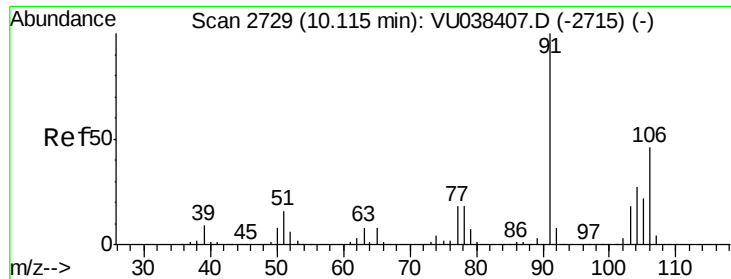
106 100

91 204.0 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VU038408.D (-2510) (-)

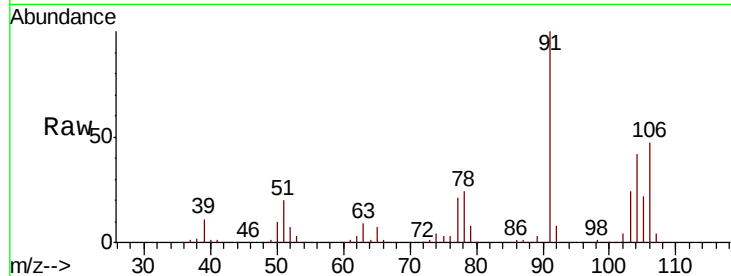




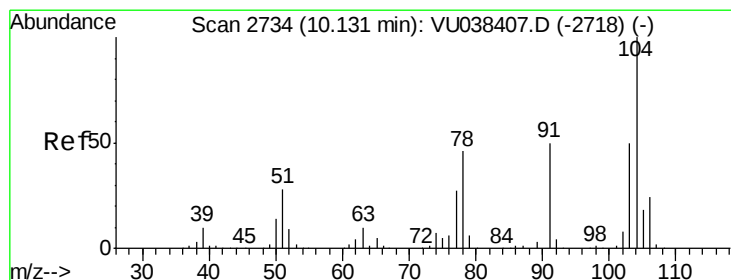
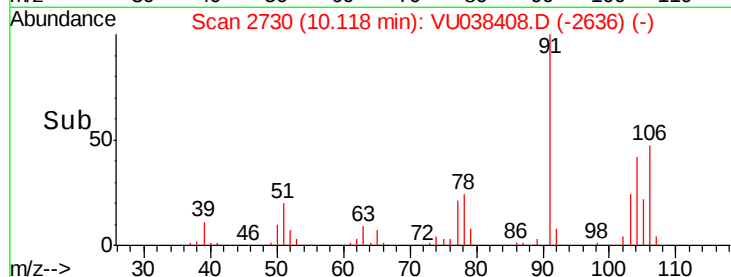
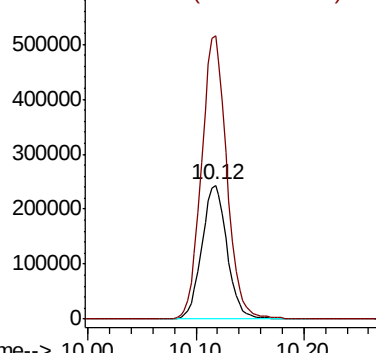
#54
o-Xylene
Concen: 10.007 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038408.D
Acq: 30 May 2020 12:22

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 398471
Ion Ratio Lower Upper
106 100
91 211.8 150.6 279.8

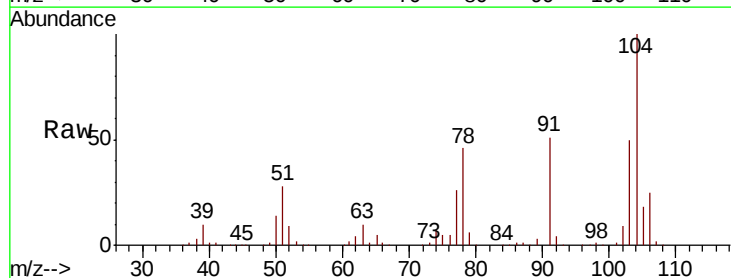


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

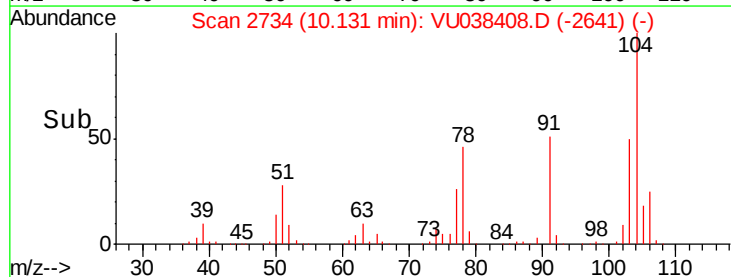
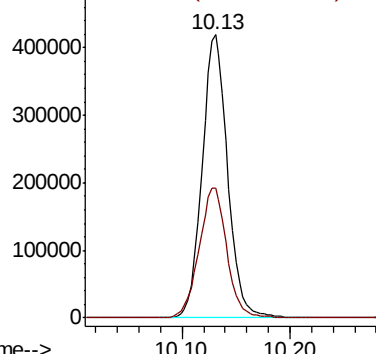


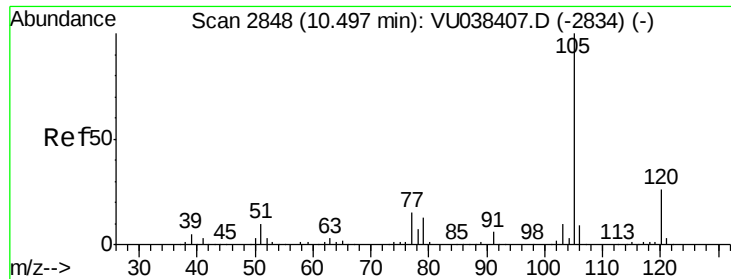
#55
Styrene
Concen: 10.230 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038408.D
Acq: 30 May 2020 12:22

Tgt Ion:104 Resp: 691414
Ion Ratio Lower Upper
104 100
78 45.7 31.9 59.3



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





#56

Isopropylbenzene

Concen: 9.833 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

Instrument :

MSVOA_U

ClientSampleId :

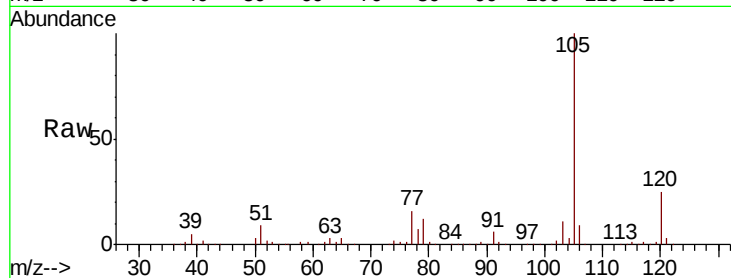
Tot Ion:105 Resp: 1030462

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

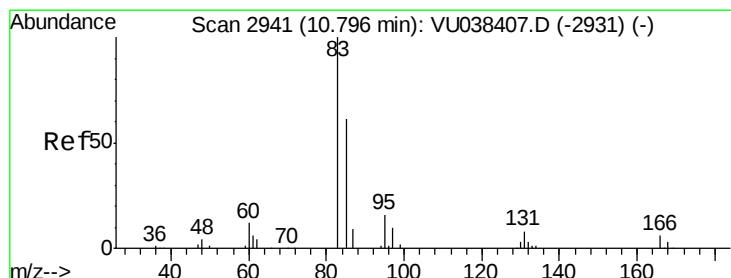
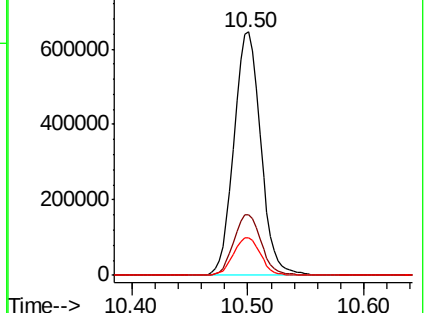
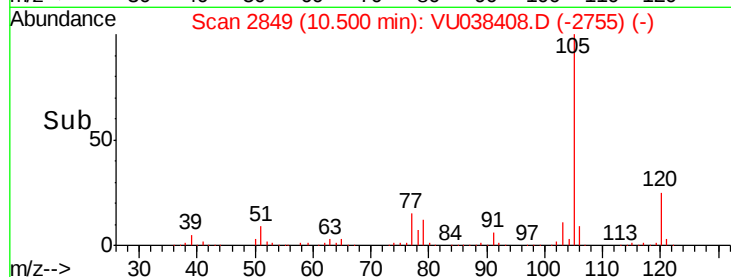
77 15.8 12.5 18.7



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: 9.714 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

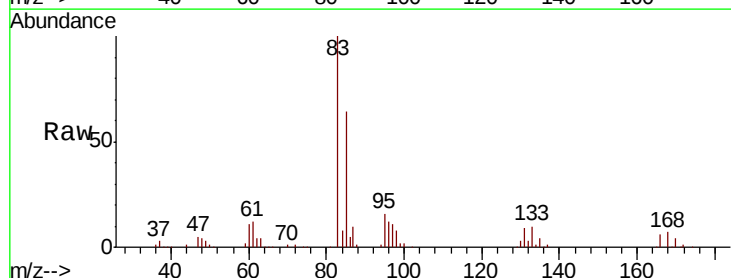
Tgt Ion: 83 Resp: 216597

Ion Ratio Lower Upper

83 100

85 63.5 44.2 82.0

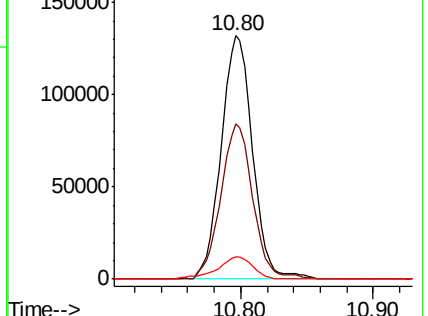
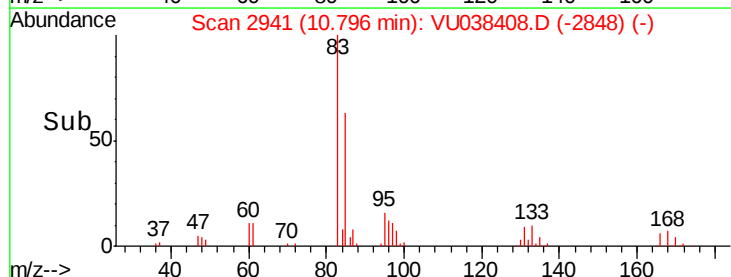
131 9.1 8.1 12.1

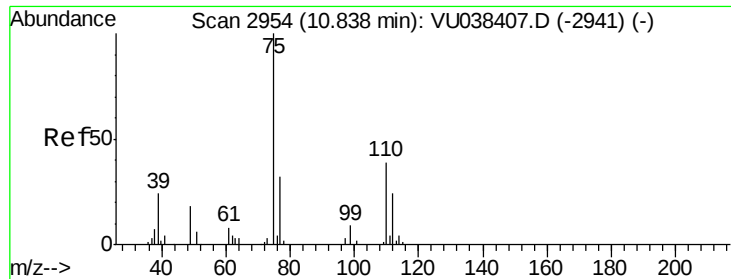


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.737 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

Instrument :

MSVOA_U

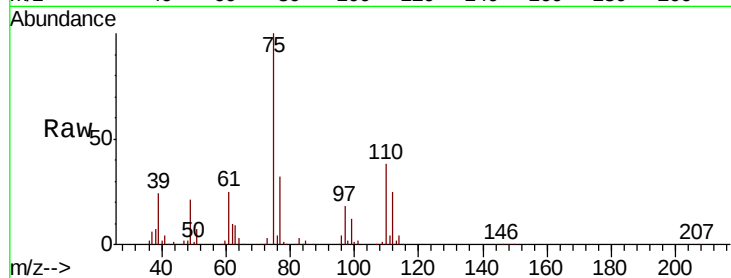
ClientSampled :

Tot Ion: 75 Resp: 169024

Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU038408.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU038408.D (-2941) (-)

10.84

120000

100000

80000

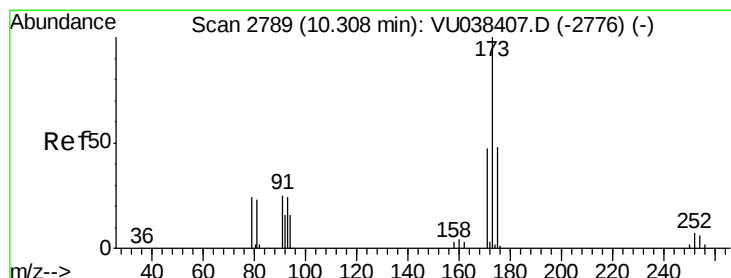
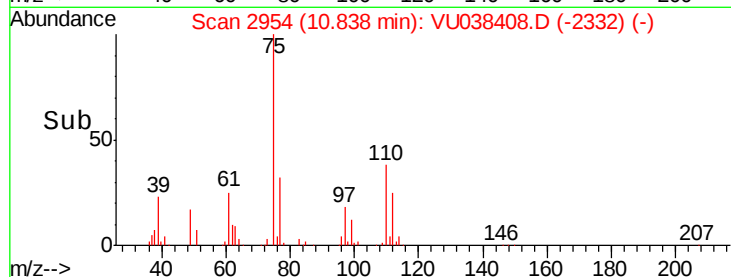
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 10.260 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

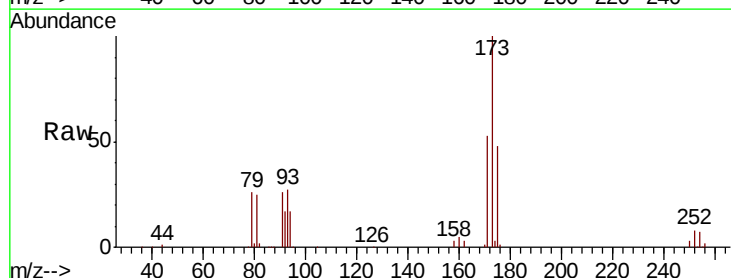
Tgt Ion:173 Resp: 107483

Ion Ratio Lower Upper

173 100

175 48.3 38.7 58.1

254 6.6 5.4 8.2



Abundance Ion 172.90 (172.60 to 173.60): VU038408.D (-2696) (-)

Ion 174.90 (174.60 to 175.60): VU038408.D (-2696) (-)

Ion 253.75 (253.45 to 254.45): VU038408.D (-2696) (-)

10.31

80000

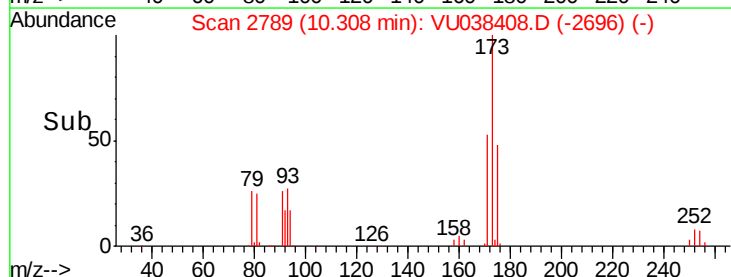
60000

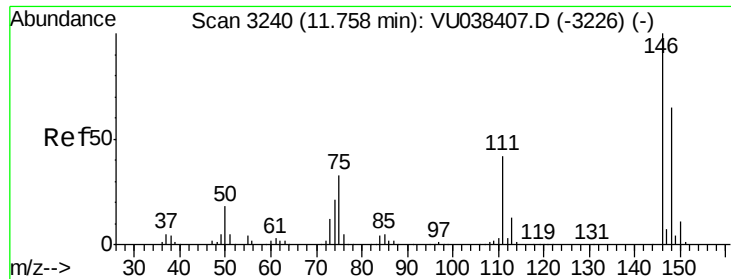
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 9.626 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

Instrument :

MSVOA_U

ClientSampleId :

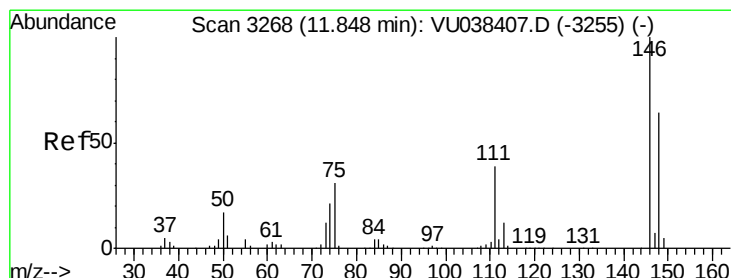
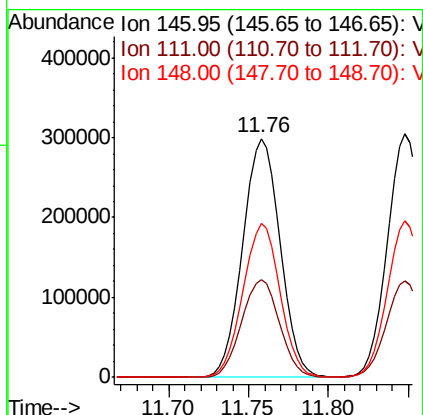
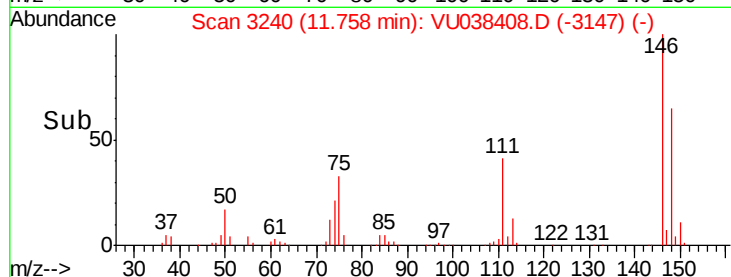
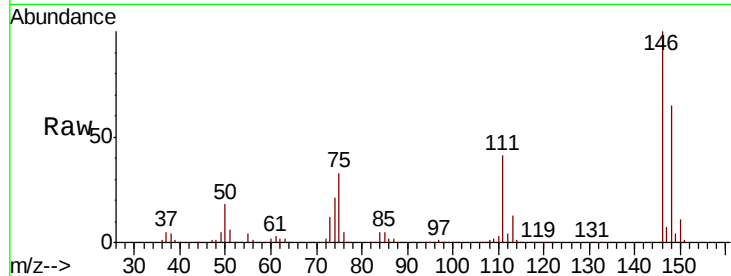
Tot Ion:146 Resp: 475594

Ion Ratio Lower Upper

146 100

111 41.2 29.5 54.9

148 64.6 45.6 84.6



#63

1,4-Dichlorobenzene

Concen: 9.567 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

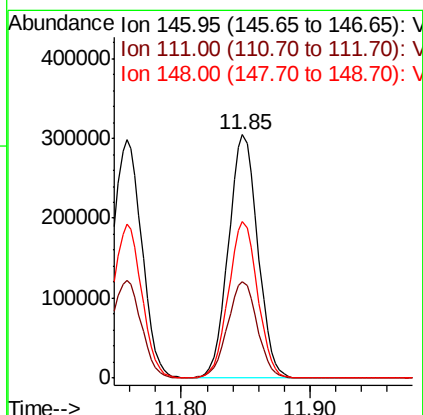
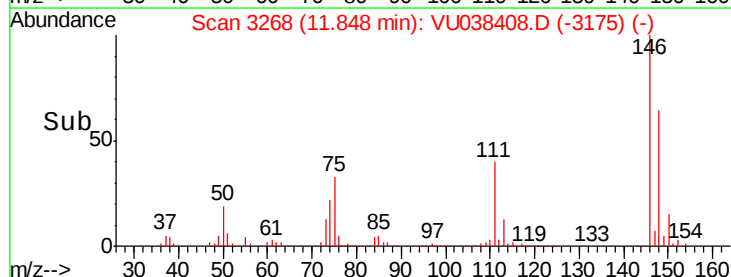
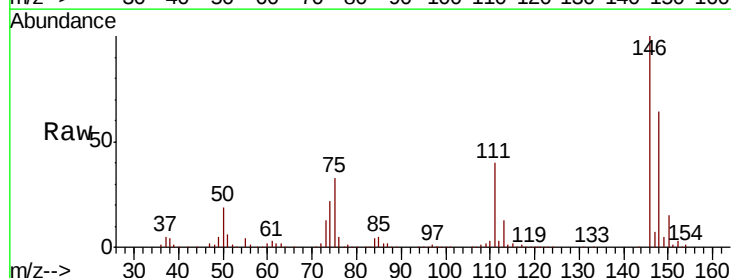
Tgt Ion:146 Resp: 479317

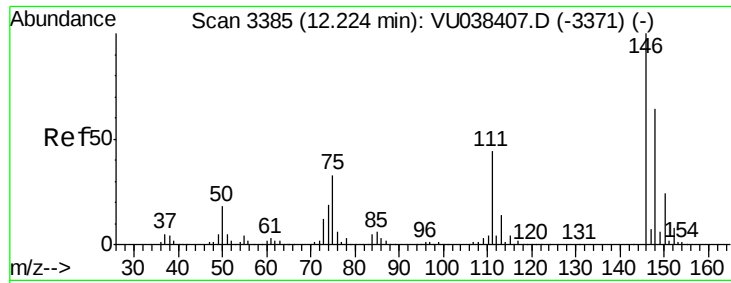
Ion Ratio Lower Upper

146 100

111 39.8 27.6 51.2

148 64.2 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 9.606 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

Instrument :

MSVOA_U

ClientSampleId :

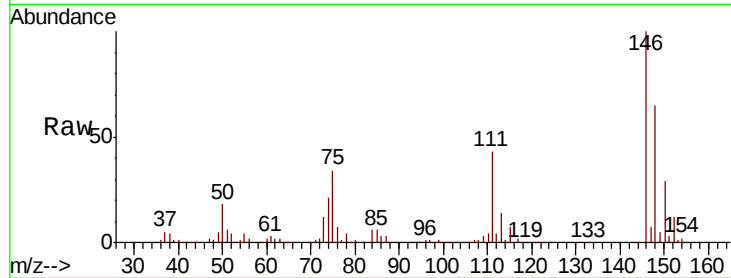
Tot Ion:146 Resp: 450698

Ion Ratio Lower Upper

146 100

111 43.0 35.1 52.7

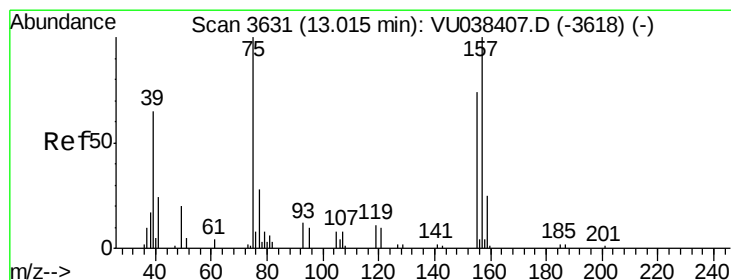
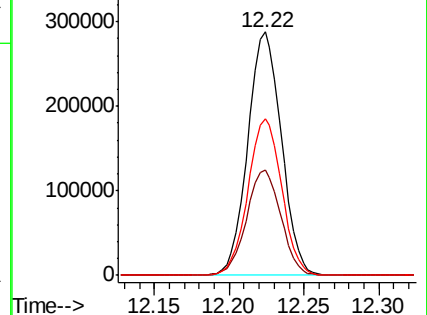
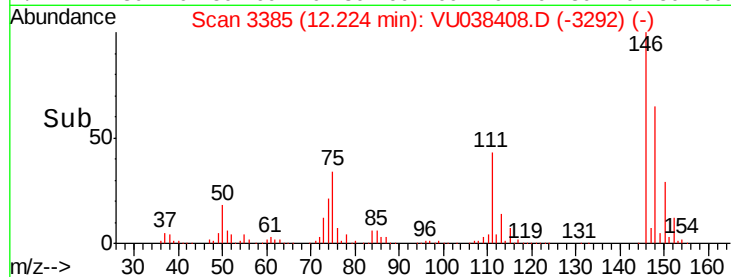
148 64.6 50.9 76.3



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: 9.736 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

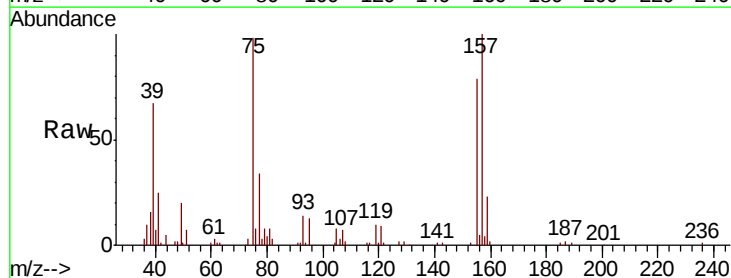
Tgt Ion: 75 Resp: 36984

Ion Ratio Lower Upper

75 100

155 81.2 59.6 89.4

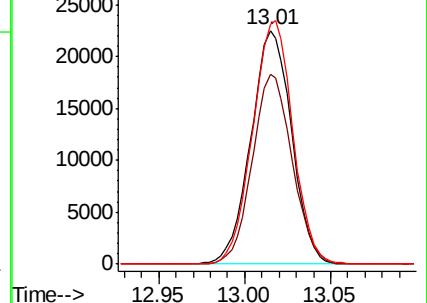
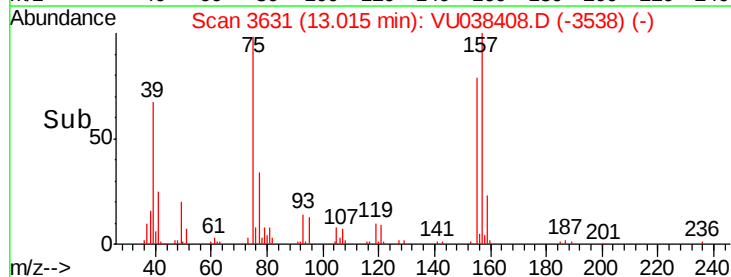
157 102.5 79.8 119.6

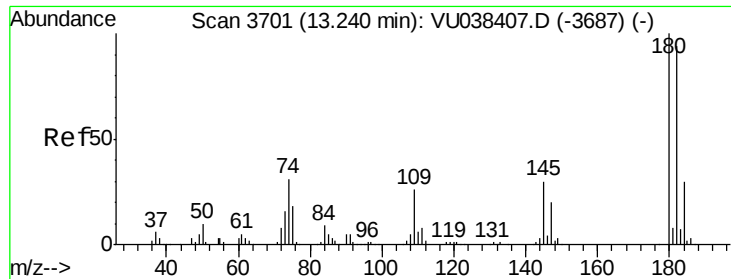


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

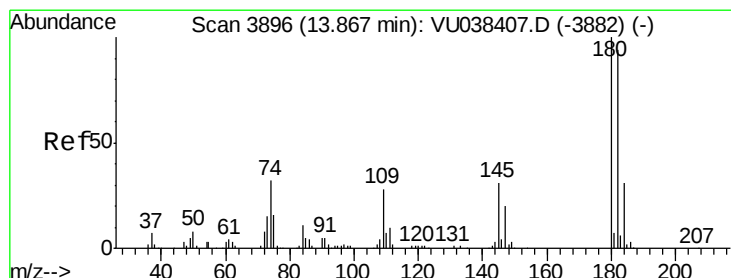
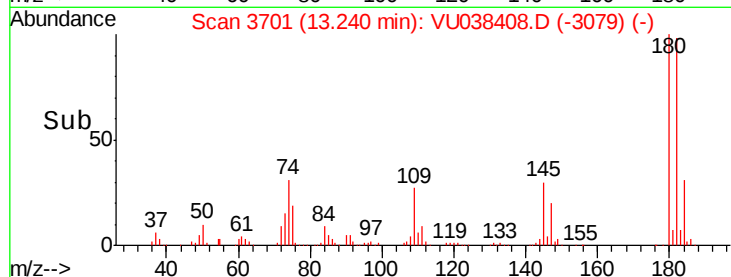
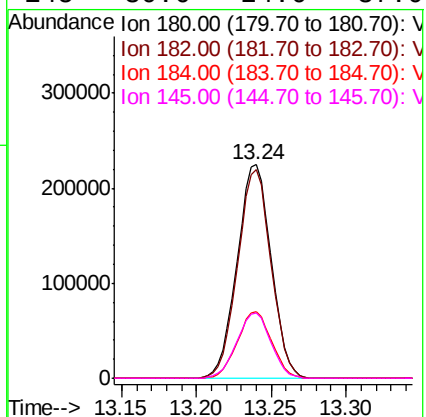
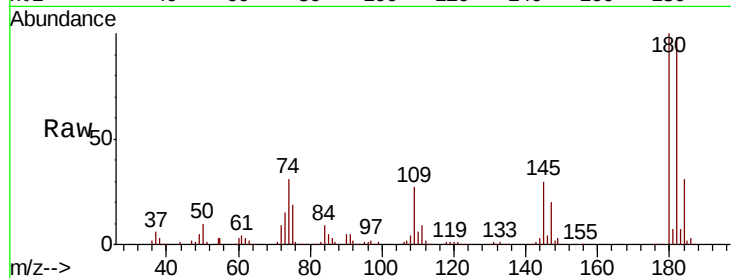




#67
 1,3,5-Trichlorobenzene
 Concen: 9.662 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU038408.D
 Acq: 30 May 2020 12:22

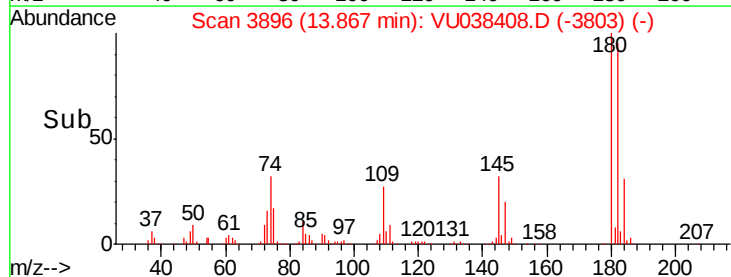
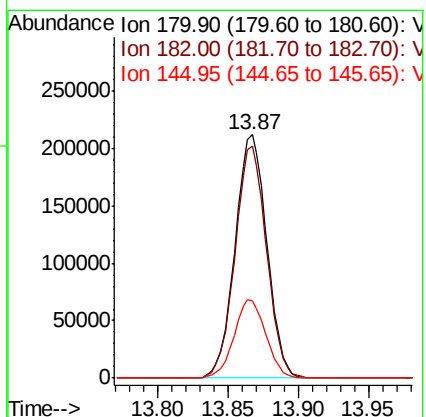
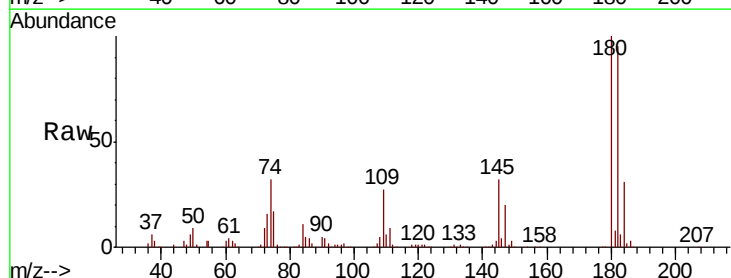
Instrument :
 MSVOA_U
 ClientSampleId :

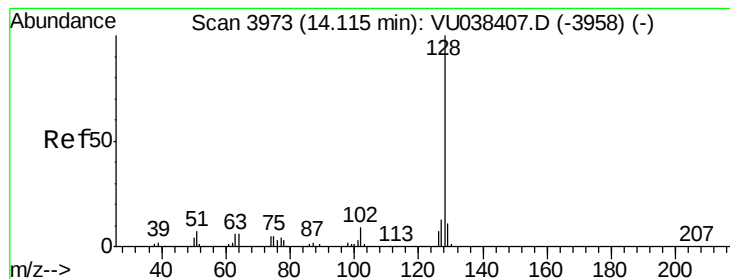
Tot Ion:	180	Resp:	356150
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.8	115.2
184	31.1	25.1	37.7
145	30.6	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 9.794 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU038408.D
 Acq: 30 May 2020 12:22

Tgt Ion:	180	Resp:	334177
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.8	113.8
145	32.1	25.3	37.9





#69

Naphthalene

Concen: 10.291 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

Instrument :

MSVOA_U

ClientSampleId :

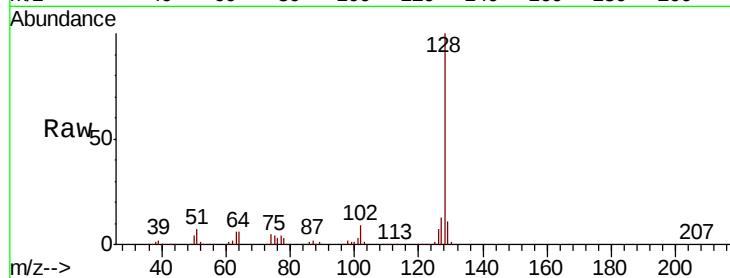
Tot Ion:128 Resp: 698811

Ion Ratio Lower Upper

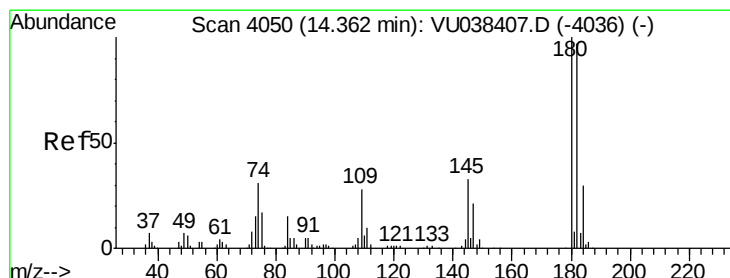
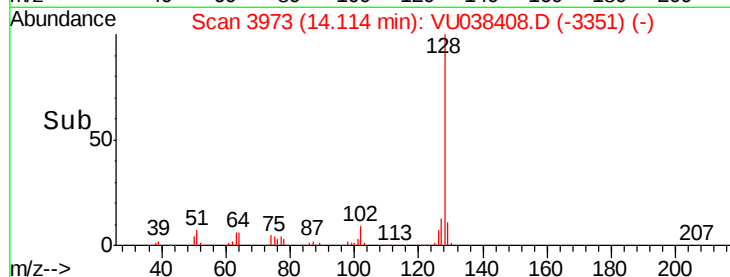
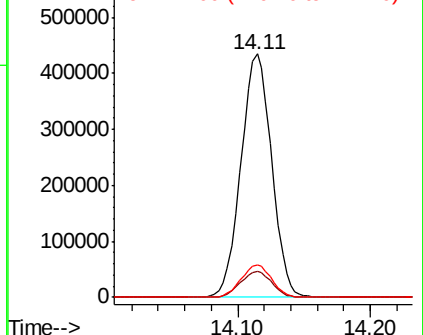
128 100

129 10.8 8.9 13.3

127 13.3 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: 9.824 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU038408.D

Acq: 30 May 2020 12:22

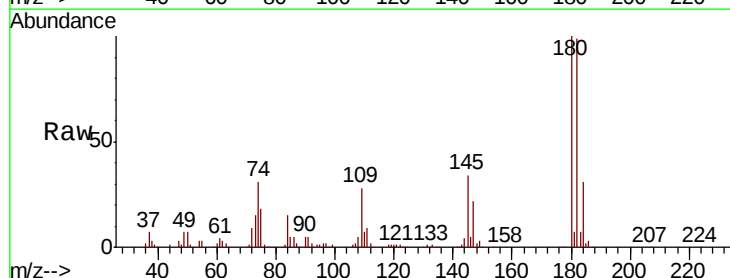
Tgt Ion:180 Resp: 304981

Ion Ratio Lower Upper

180 100

182 97.1 78.7 118.1

145 34.1 27.5 41.3



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

