

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051520\
 Data File : VU038209.D
 Acq On : 15 May 2020 19:32
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 16 03:36:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 16 03:30:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	317473	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	304915	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	146522	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	137267	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.93	69	124908	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.59	63	213794	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.00%
20) 2-Butanone-d5	4.67	46	445644	62.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.40%
24) Chloroform-d	5.10	84	239932	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.80%
26) 1,2-Dichloroethane-d4	5.74	65	139960	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
32) Benzene-d6	5.76	84	470445	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.72	67	164011	5.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.20%
41) Toluene-d8	7.92	98	400333	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	8.20	79	61849	5.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.80%
46) 2-Hexanone-d5	8.65	63	331095	59.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.70%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	136418	5.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	151552	5.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	120202	4.140 ug/L	99
3) Chloromethane	1.53	50	165357	4.726 ug/L	97
5) Vinyl chloride	1.62	62	162871	4.750 ug/L	100
6) Bromomethane	1.87	94	95127	4.873 ug/L	99
8) Chloroethane	1.95	64	101173	4.797 ug/L	97
9) Trichlorofluoromethane	2.16	101	157359	4.489 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	91907	4.229 ug/L	100
12) 1,1-Dichloroethene	2.60	96	99598	4.521 ug/L	99
13) Acetone	2.66	43	239249	53.224 ug/L	99
14) Carbon disulfide	2.82	76	318143	4.048 ug/L	100
15) Methyl Acetate	2.98	43	61686	4.906 ug/L	99
16) Methylene chloride	3.08	84	129230	5.032 ug/L	97
17) Methyl tert-butyl Ether	3.40	73	299005	4.884 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	109846	4.567 ug/L	96
19) 1,1-Dichloroethane	3.91	63	233324	4.966 ug/L	97
21) 2-Butanone	4.75	43	418509	52.748 ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	129008	4.977 ug/L	99

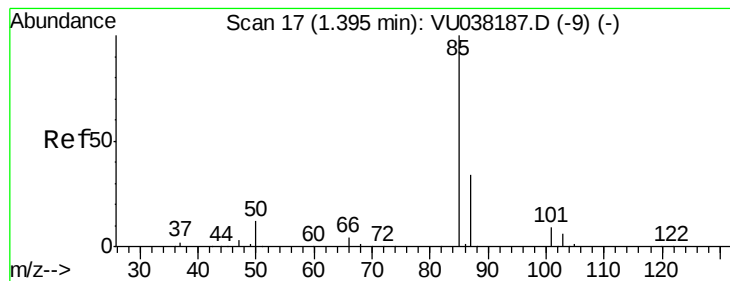
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051520\
 Data File : VU038209.D
 Acq On : 15 May 2020 19:32
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 16 03:30:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	57136	5.122	ug/L	96
25) Chloroform	5.13	83	223063	5.091	ug/L	98
27) 1,2-Dichloroethane	5.83	62	158701	5.131	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	168235	4.816	ug/L	99
30) Cyclohexane	5.42	56	166753	4.043	ug/L	98
31) Carbon tetrachloride	5.56	117	126838	4.517	ug/L	99
33) Benzene	5.81	78	491088	5.029	ug/L	100
34) Trichloroethene	6.57	95	114078	4.671	ug/L	98
35) Methylcyclohexane	6.79	83	159148	4.023	ug/L	98
37) 1,2-Dichloropropane	6.82	63	134690	5.078	ug/L	100
38) Bromodichloromethane	7.13	83	154634	5.043	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	180597	4.758	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	956971	52.061	ug/L	100
42) Toluene	7.99	91	486409	4.719	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	154737	4.794	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	95022	5.159	ug/L	97
47) Tetrachloroethene	8.57	164	75431	4.416	ug/L	98
48) 2-Hexanone	8.71	43	718034	53.339	ug/L	100
49) Dibromochloromethane	8.83	129	97338	5.093	ug/L	97
50) 1,2-Dibromoethane	8.94	107	88424	5.173	ug/L	99
51) Chlorobenzene	9.47	112	304579	4.761	ug/L	98
52) Ethylbenzene	9.59	91	501764	4.494	ug/L	100
53) m,p-Xylene	9.71	106	193863	4.528	ug/L	96
54) o-Xylene	10.12	106	188948	4.565	ug/L	97
55) Styrene	10.13	104	329187	4.737	ug/L	100
56) Isopropylbenzene	10.50	105	476046	4.477	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	119754	5.121	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	92928	5.220	ug/L	97
61) Bromoform	10.31	173	51256	5.175	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	222384	4.665	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	225302	4.664	ug/L	97
65) 1,2-Dichlorobenzene	12.22	146	221299	4.825	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	18530	4.943	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	158101	4.570	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	147625	4.705	ug/L	98
69) Naphthalene	14.11	128	327385	4.956	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	141612	4.856	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.140 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

Instrument :

MSVOA_U

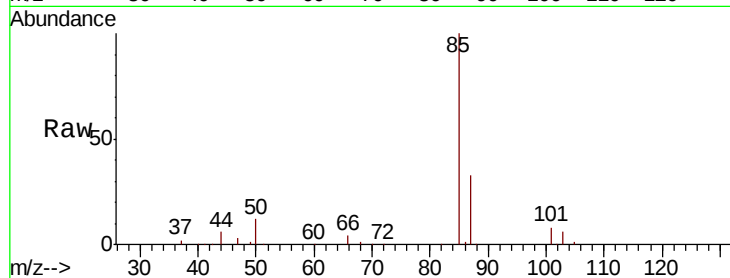
ClientSampled :

Tot Ion: 85 Resp: 120202

Ion Ratio Lower Upper

85 100

87 32.4 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038187.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038187.D (-9) (-)

1.39

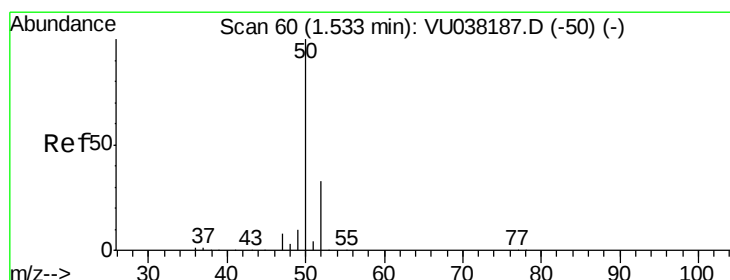
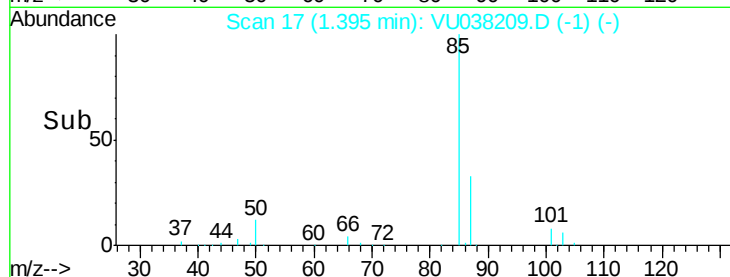
100000

50000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 4.726 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038209.D

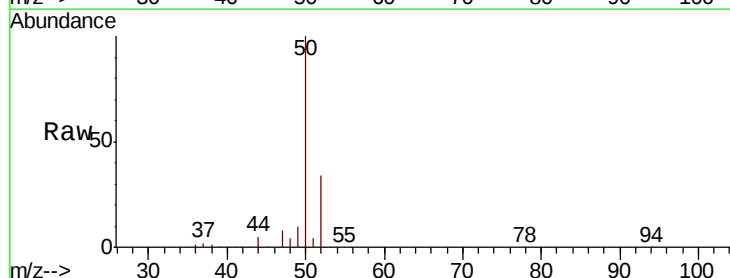
Acq: 15 May 2020 19:32

Tgt Ion: 50 Resp: 165357

Ion Ratio Lower Upper

50 100

52 33.7 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU038187.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038187.D (-50) (-)

1.53

150000

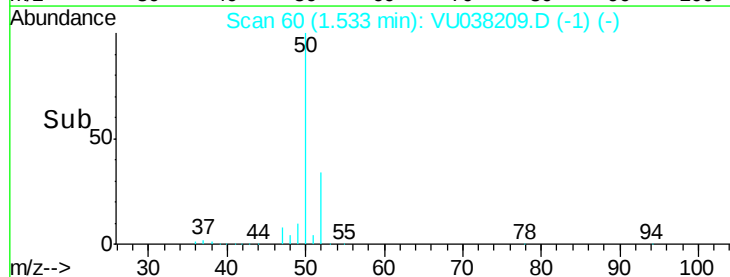
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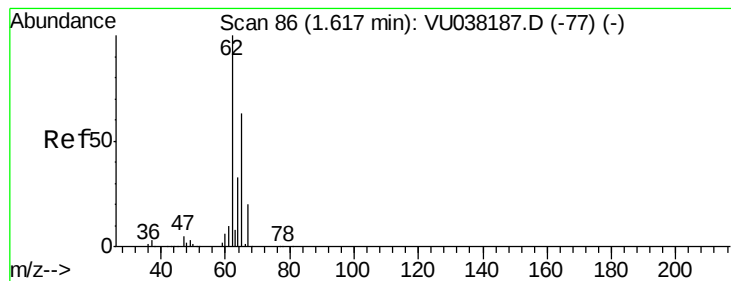
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0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 4.750 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

Instrument :

MSVOA_U

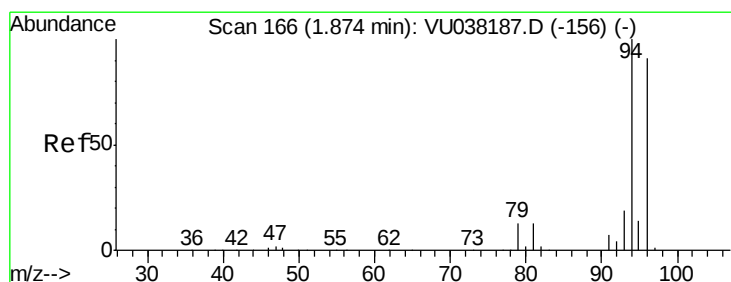
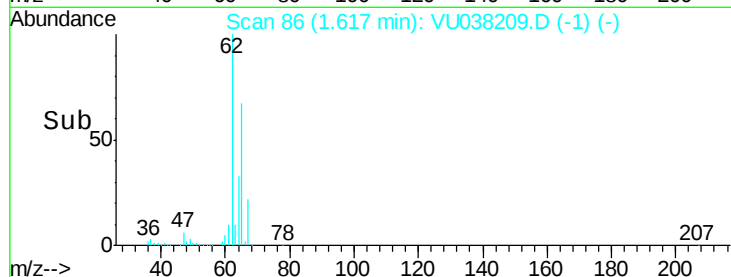
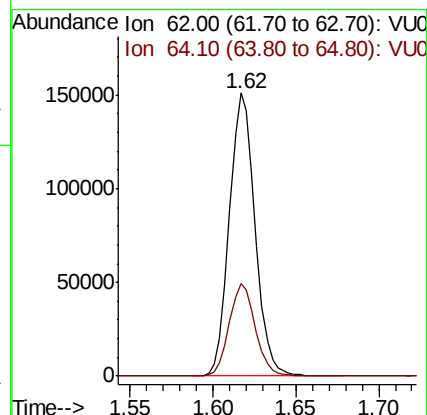
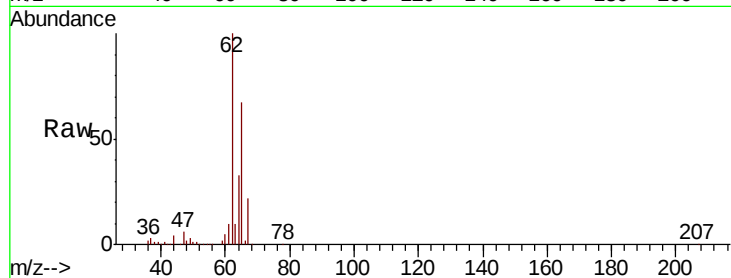
ClientSampleId :

Tot Ion: 62 Resp: 162871

Ion Ratio Lower Upper

62 100

64 32.6 22.8 42.4



#6

Bromomethane

Concen: 4.873 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038209.D

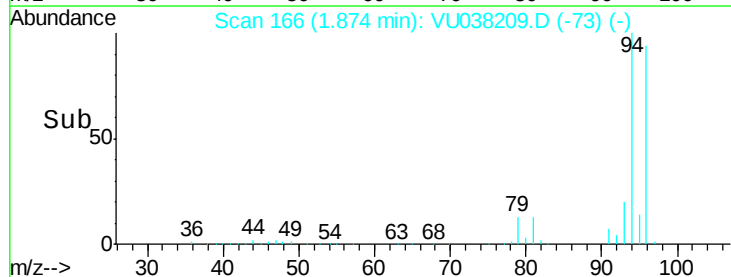
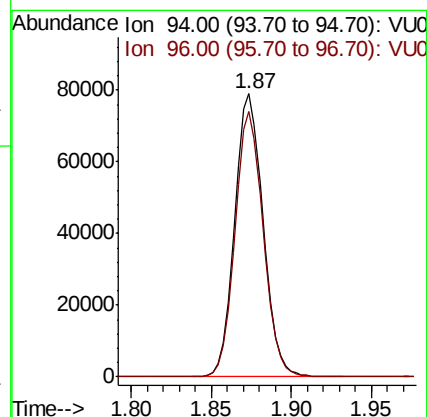
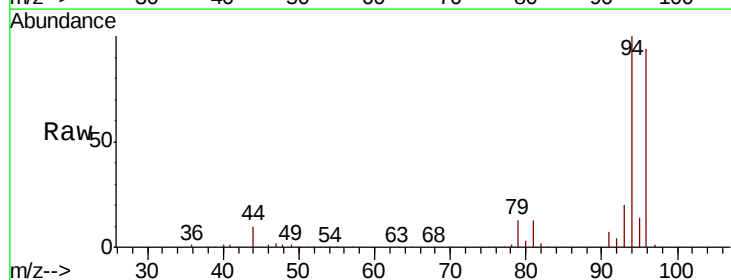
Acq: 15 May 2020 19:32

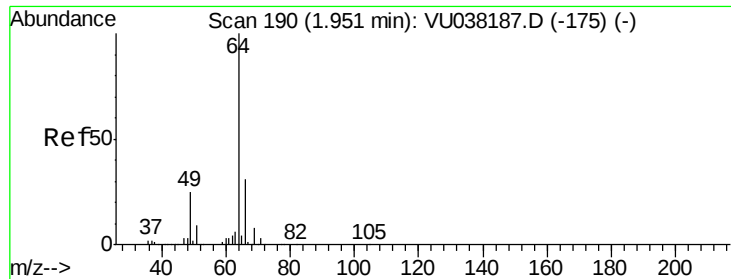
Tgt Ion: 94 Resp: 95127

Ion Ratio Lower Upper

94 100

96 94.0 65.0 120.8

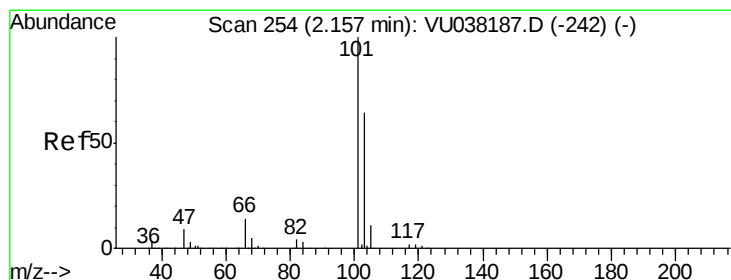
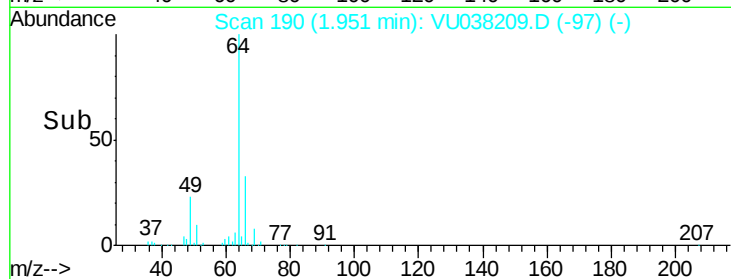
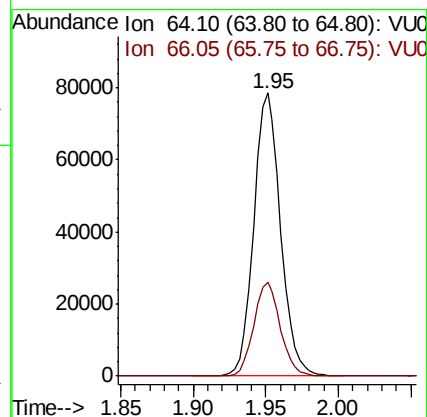
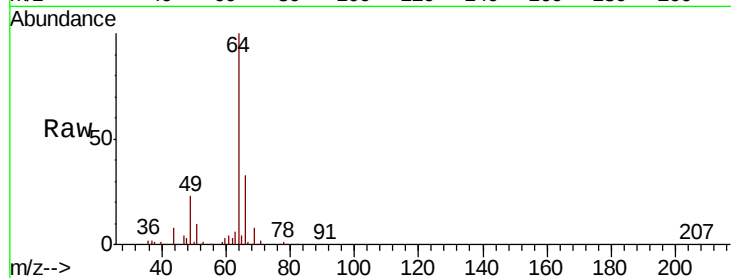




#8
Chloroethane
Concen: 4.797 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU038209.D
Acq: 15 May 2020 19:32

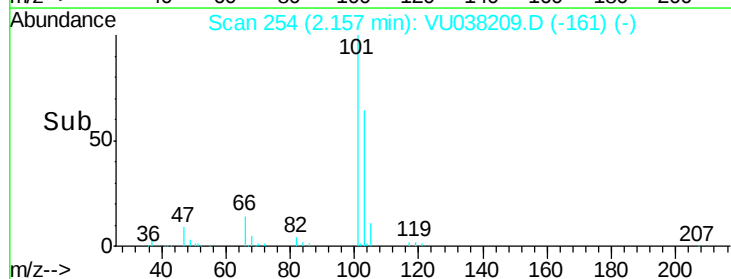
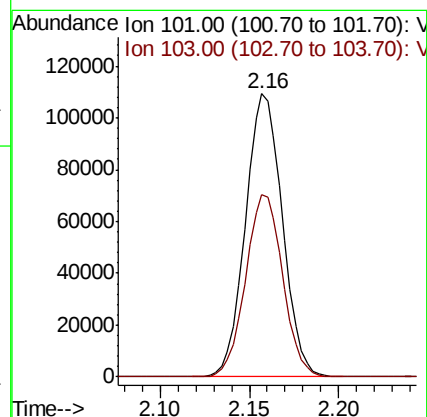
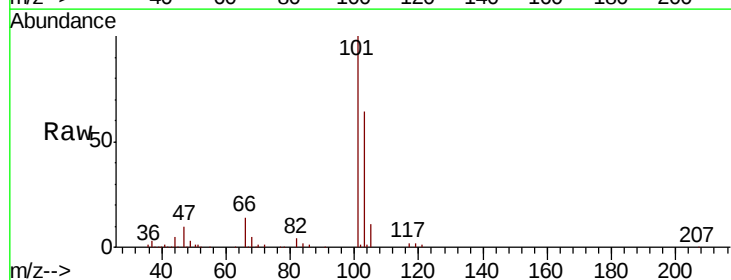
Instrument :
MSVOA_U
ClientSampleId :

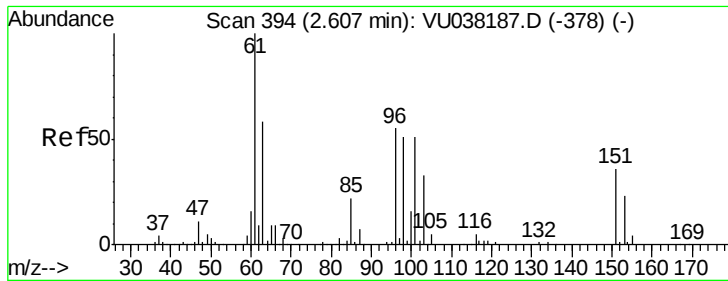
Tot Ion: 64 Resp: 101173
Ion Ratio Lower Upper
64 100
66 33.0 21.8 40.4



#9
Trichlorofluoromethane
Concen: 4.489 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU038209.D
Acq: 15 May 2020 19:32

Tgt Ion:101 Resp: 157359
Ion Ratio Lower Upper
101 100
103 64.7 51.0 76.4





#10

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

Concen: 4.229 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

Instrument :

MSVOA_U

ClientSampled :

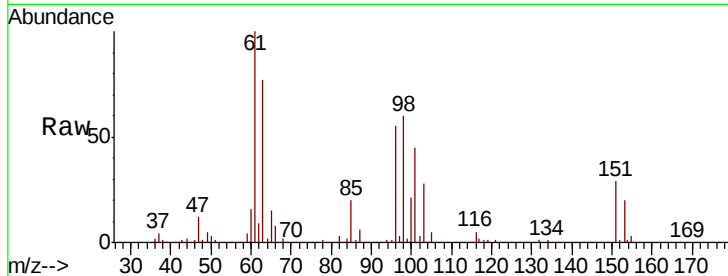
Tot Ion:101 Resp: 91907

Ion Ratio Lower Upper

101 100

85 44.5 35.3 52.9

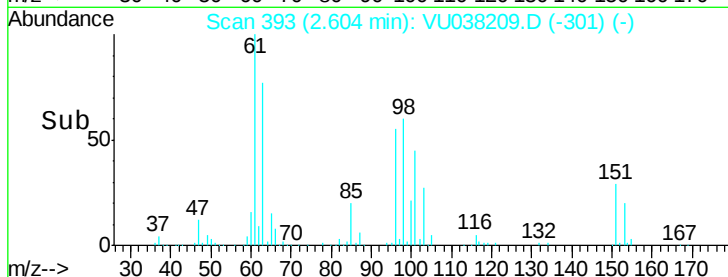
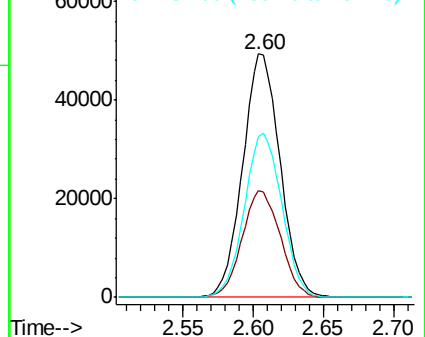
151 67.4 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.521 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

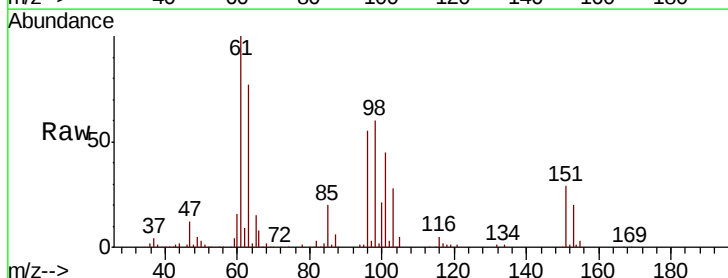
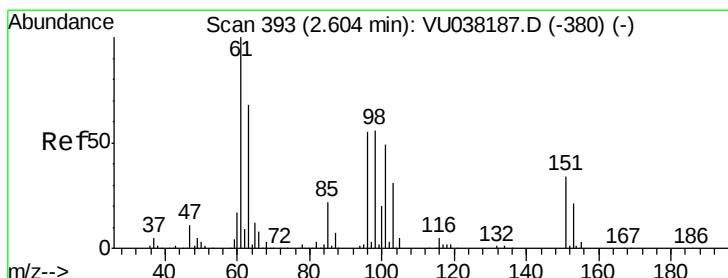
Tgt Ion: 96 Resp: 99598

Ion Ratio Lower Upper

96 100

61 180.4 126.2 234.4

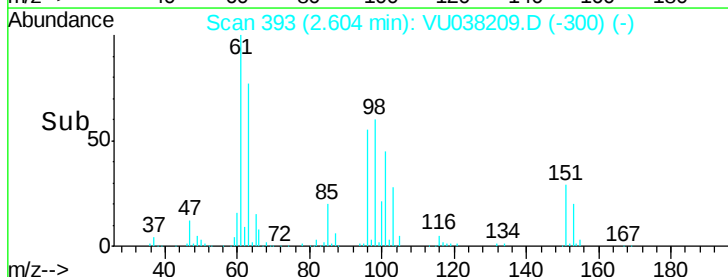
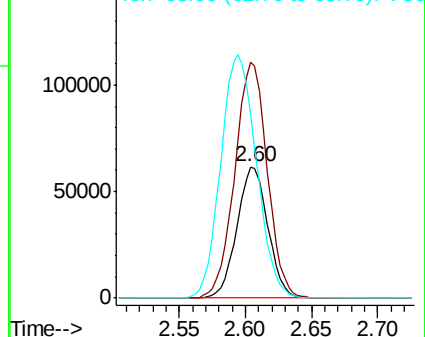
63 139.8 96.9 179.9

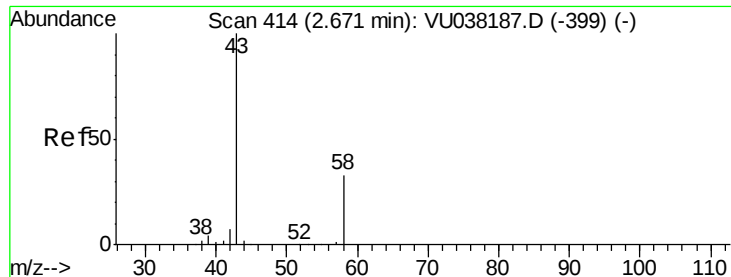


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.224 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

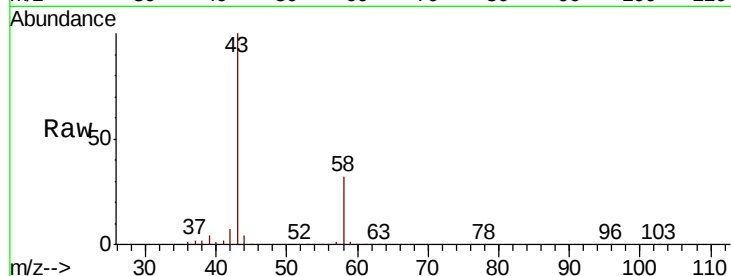
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 239249

Ion Ratio Lower Upper

43 100

58 32.5 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) (-)

2.66

150000

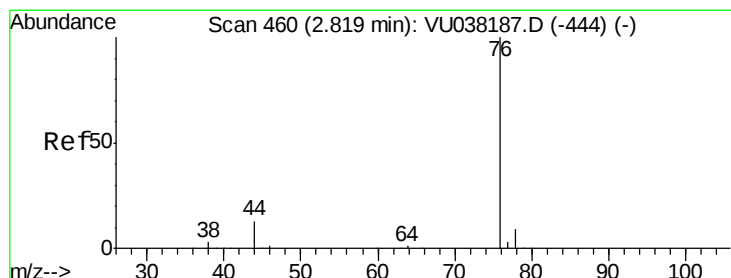
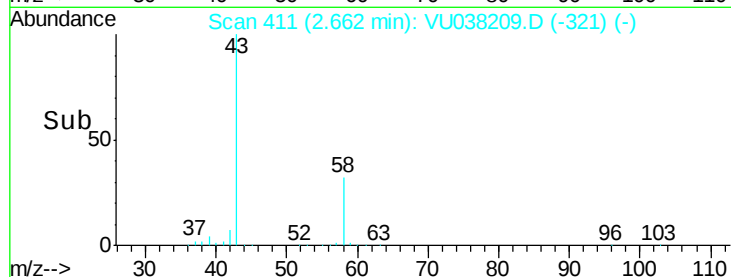
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50000

0

Time-->

2.60 2.65 2.70 2.75



#14

Carbon disulfide

Concen: 4.048 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038209.D

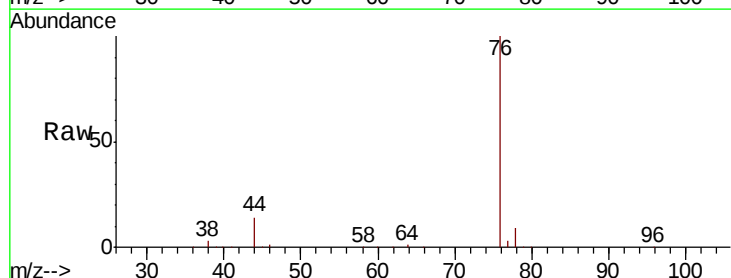
Acq: 15 May 2020 19:32

Tgt Ion: 76 Resp: 318143

Ion Ratio Lower Upper

76 100

78 9.0 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

200000

150000

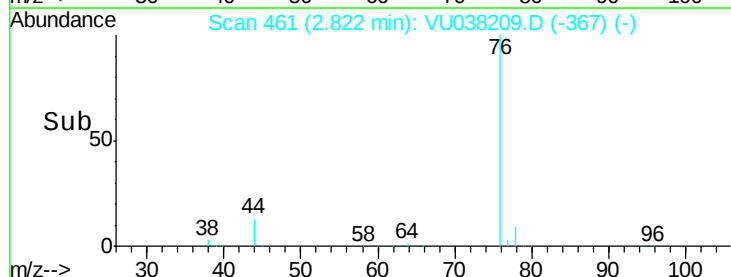
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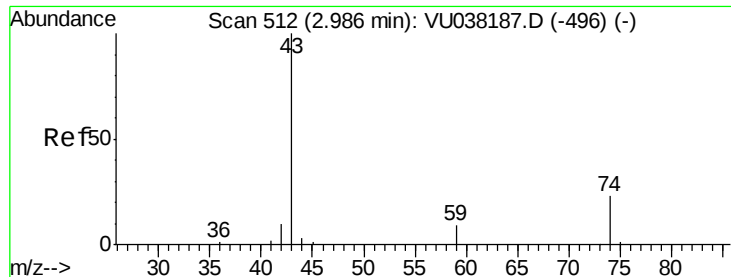
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0

Time-->

2.75 2.80 2.85 2.90

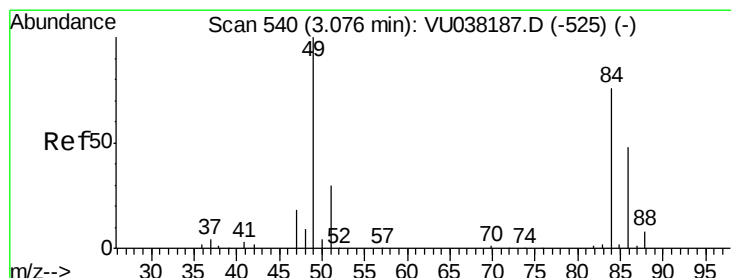
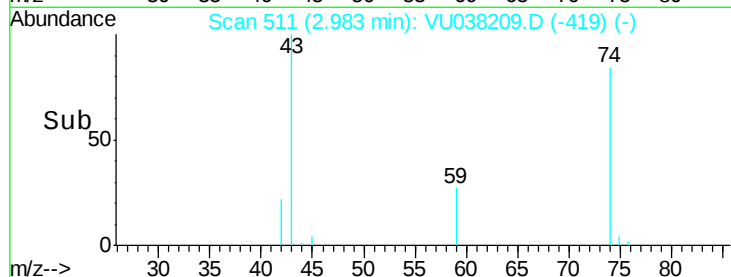
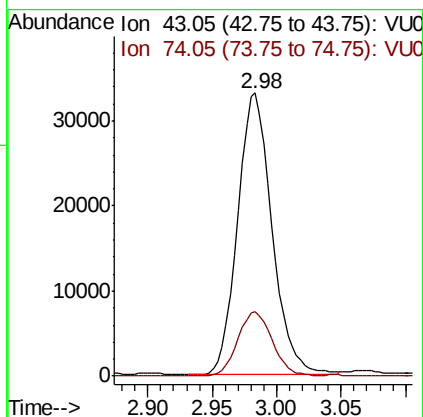
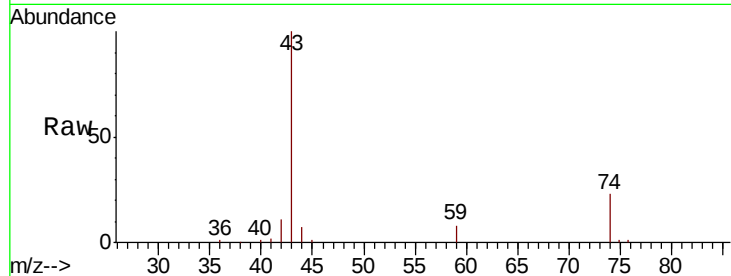




#15
Methvl Acetate
Concen: 4.906 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.00 min
Lab File: VU038209.D
Acq: 15 May 2020 19:32

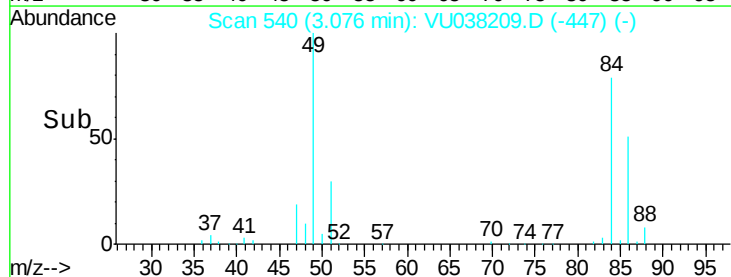
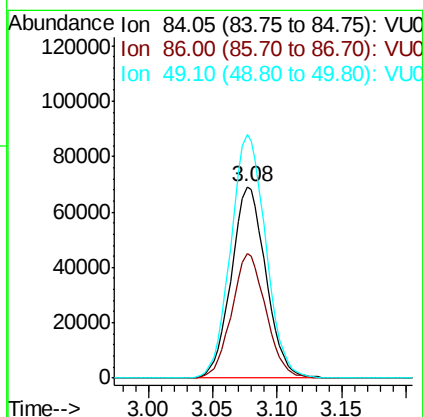
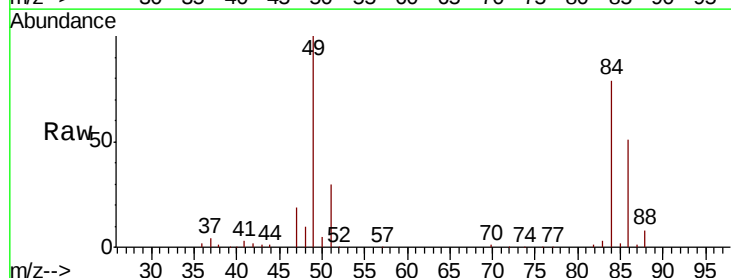
Instrument :
MSVOA_U
ClientSampleId :

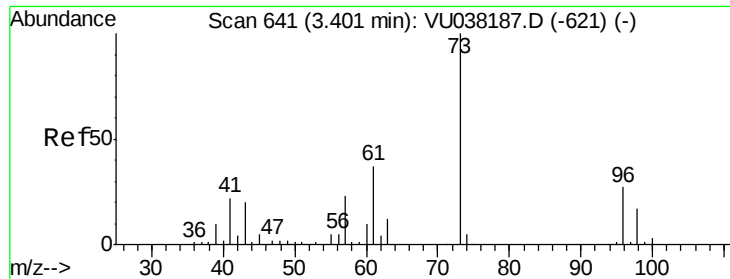
Tot Ion: 43 Resp: 61686
Ion Ratio Lower Upper
43 100
74 22.8 18.0 27.0



#16
Methylene chloride
Concen: 5.032 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038209.D
Acq: 15 May 2020 19:32

Tgt Ion: 84 Resp: 129230
Ion Ratio Lower Upper
84 100
86 65.0 44.9 83.3
49 127.2 92.0 170.9

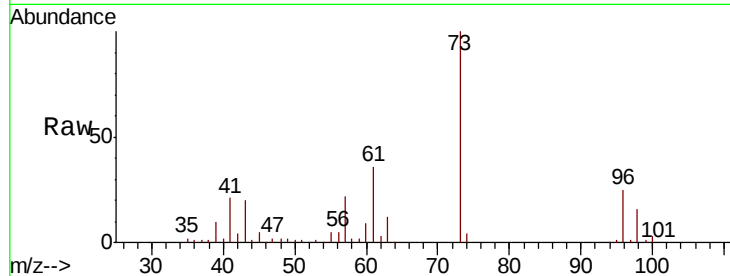




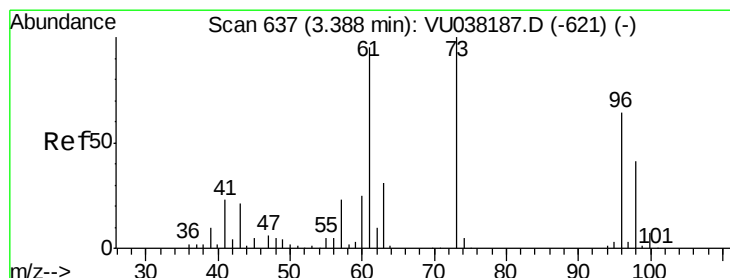
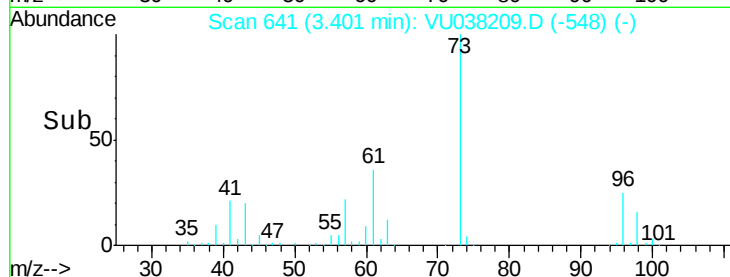
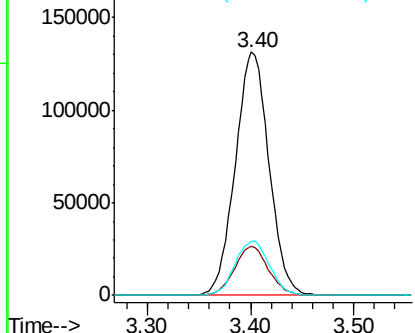
#17
Methvl tert-butvl Ether
Concen: 4.884 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038209.D
Acq: 15 May 2020 19:32

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 299005
Ion Ratio Lower Upper
73 100
43 20.3 16.9 25.3
57 22.8 18.2 27.2

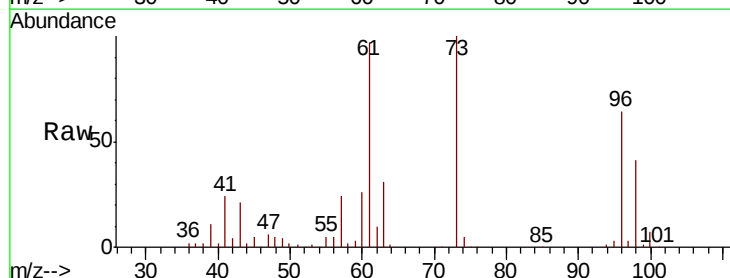


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

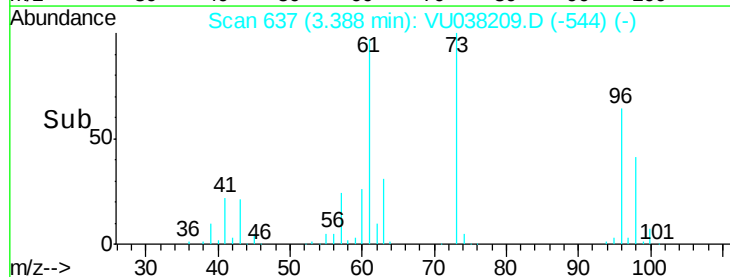
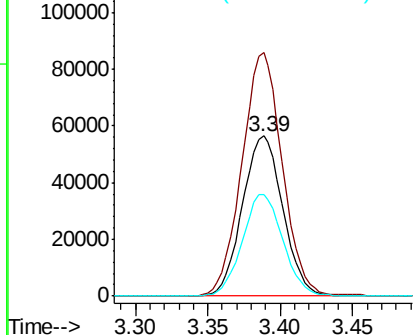


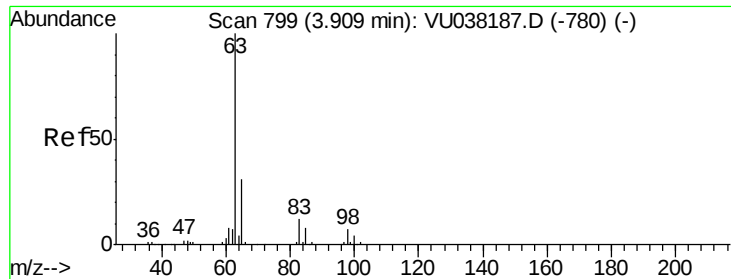
#18
trans-1,2-Dichloroethene
Concen: 4.567 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038209.D
Acq: 15 May 2020 19:32

Tgt Ion: 96 Resp: 109846
Ion Ratio Lower Upper
96 100
61 152.0 102.1 189.5
98 63.4 45.6 84.8



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





#19

1,1-Dichloroethane

Concen: 4.966 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

Instrument :

MSVOA_U

ClientSampled :

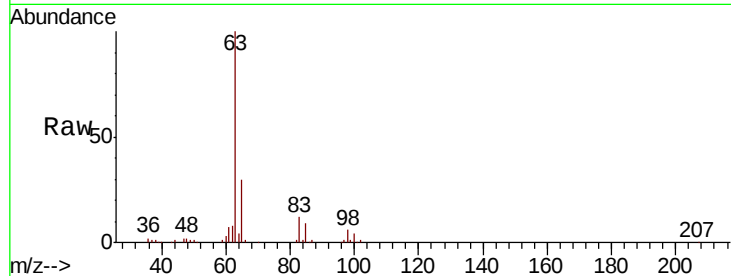
Tot Ion: 63 Resp: 233324

Ion Ratio Lower Upper

63 100

65 30.2 22.5 41.7

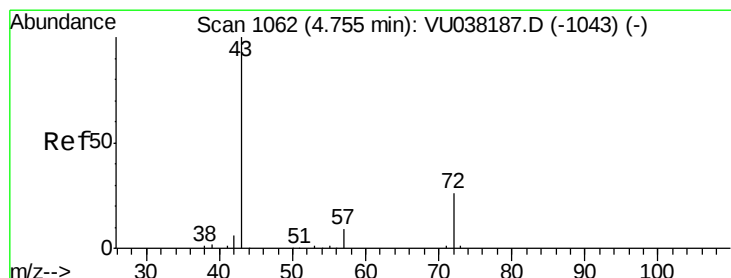
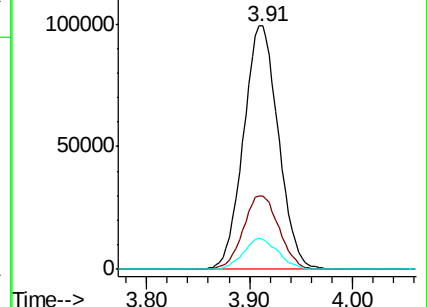
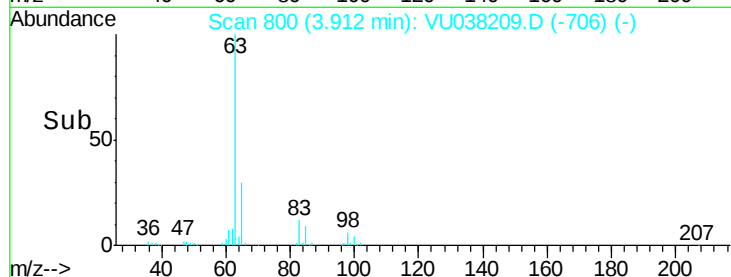
83 12.5 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU038209.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU038209.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU038209.D (-706) (-)



#21

2-Butanone

Concen: 52.748 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. -0.01 min

Lab File: VU038209.D

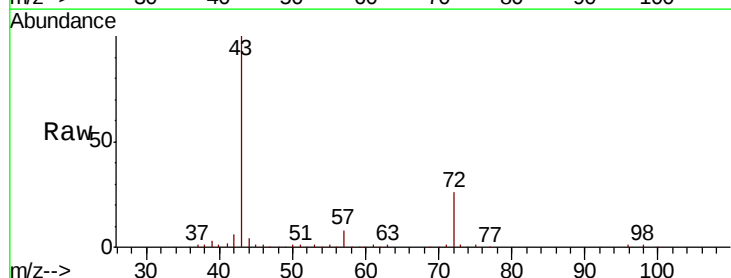
Acq: 15 May 2020 19:32

Tgt Ion: 43 Resp: 418509

Ion Ratio Lower Upper

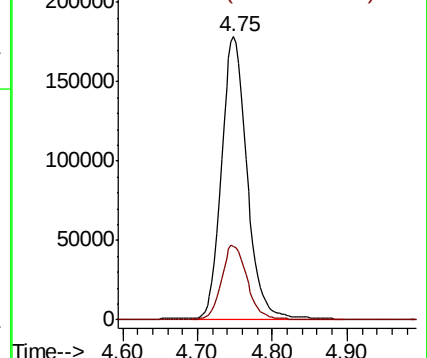
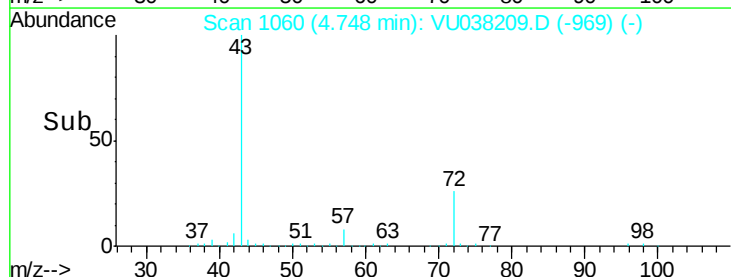
43 100

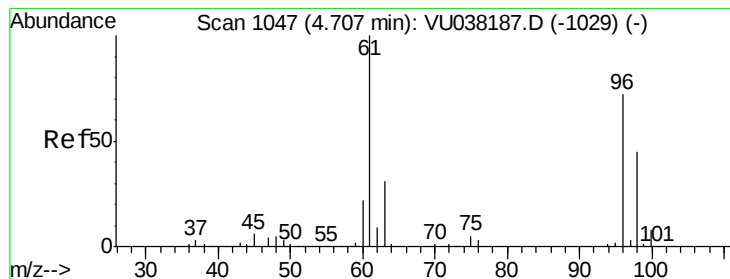
72 26.9 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU038209.D (-969) (-)

Ion 72.10 (71.80 to 72.80): VU038209.D (-969) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.977 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

Instrument :
MSVOA_U
ClientSampled :

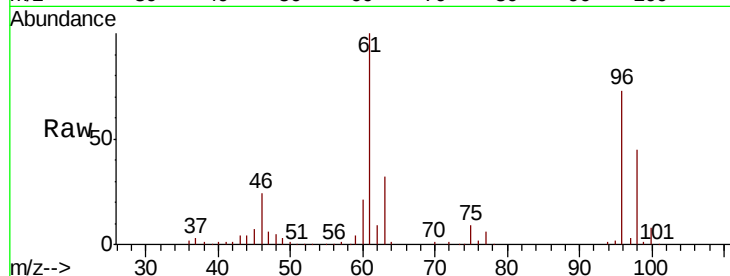
Tot Ion: 96 Resp: 129008

Ion Ratio Lower Upper

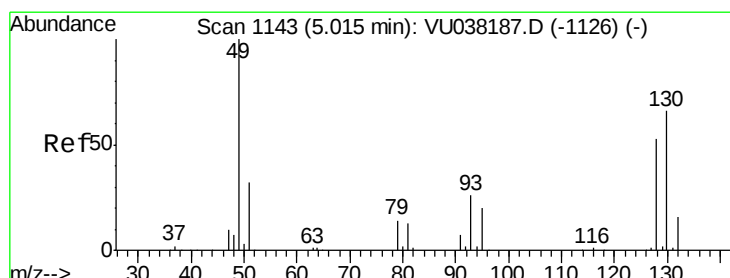
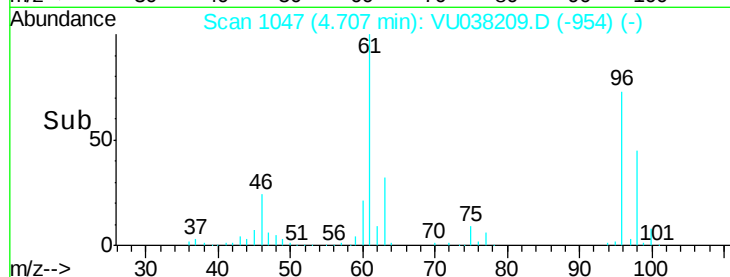
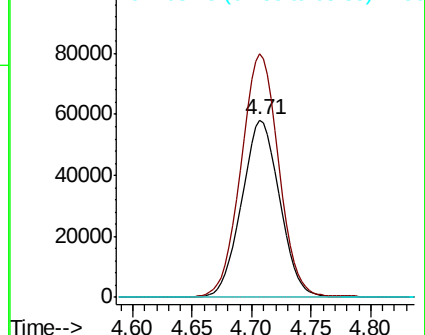
96 100

61 137.5 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: 5.122 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

Tgt Ion: 128 Resp: 57136

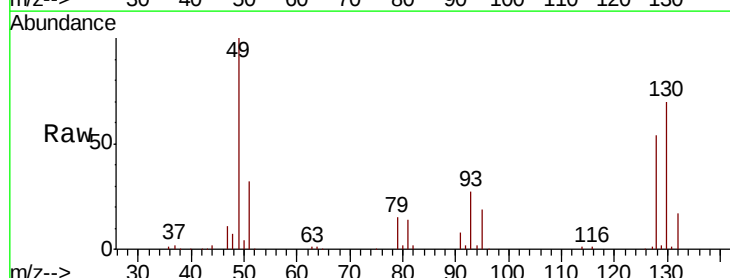
Ion Ratio Lower Upper

128 100

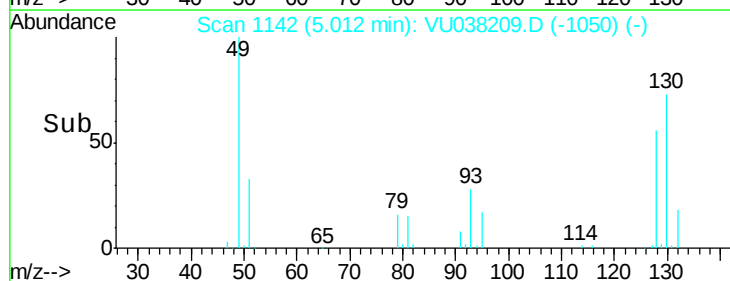
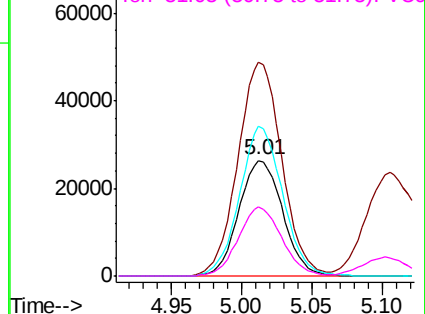
49 185.2 135.6 251.8

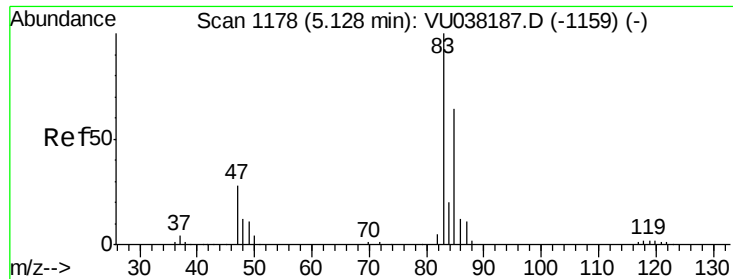
130 129.9 91.4 169.8

51 59.9 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

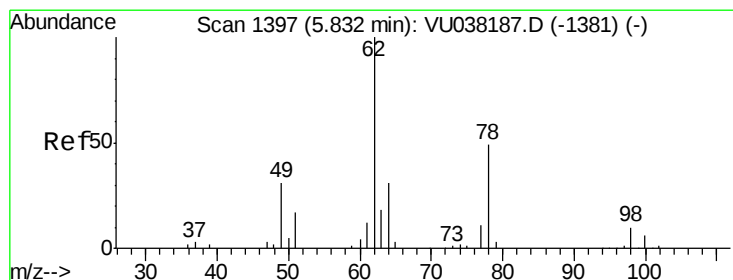
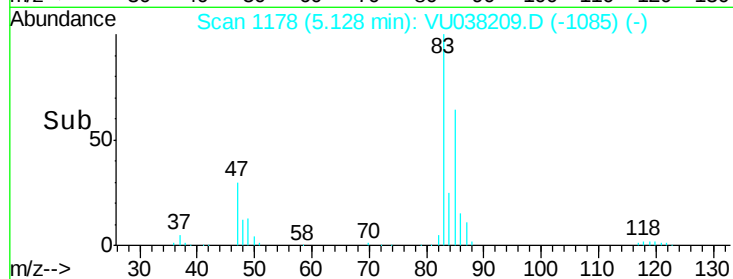
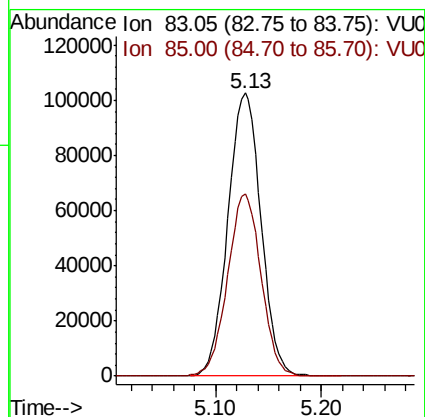
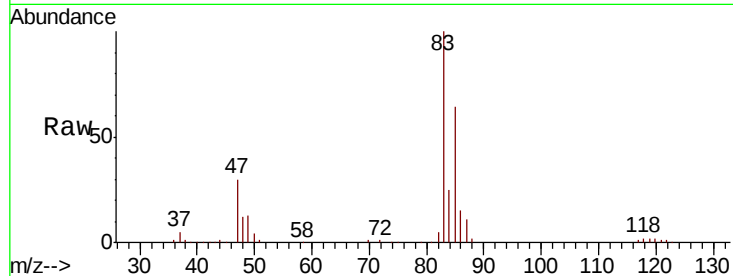




#25
Chloroform
Concen: 5.091 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038209.D
Acq: 15 May 2020 19:32

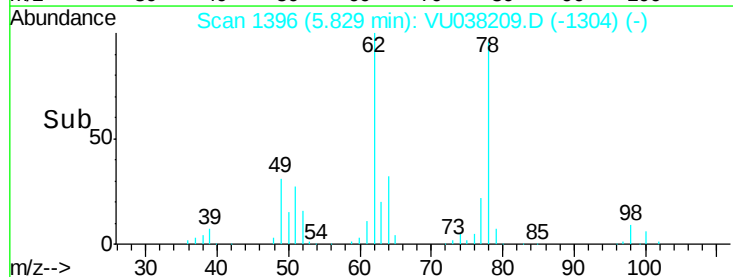
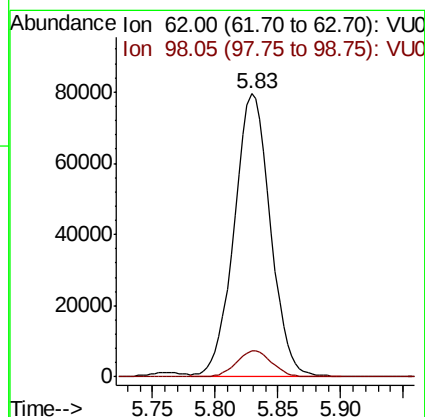
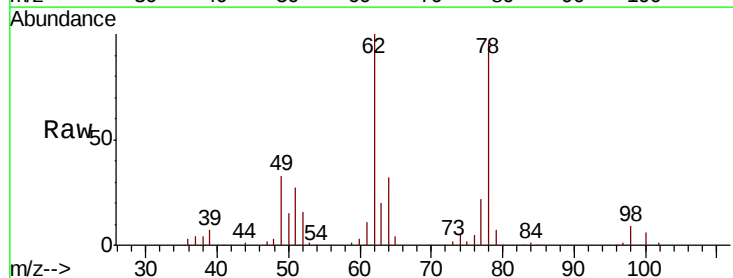
Instrument :
MSVOA_U
ClientSampled :

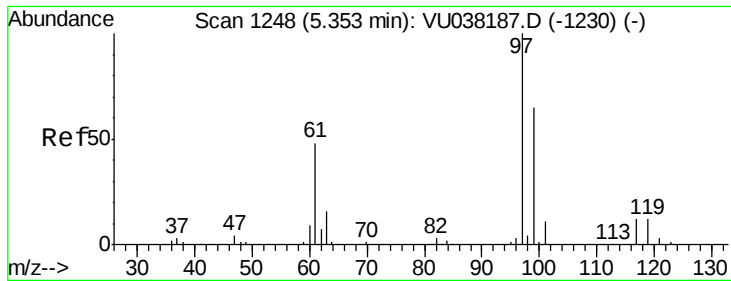
Tot Ion: 83 Resp: 223063
Ion Ratio Lower Upper
83 100
85 64.5 46.2 85.8



#27
1,2-Dichloroethane
Concen: 5.131 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038209.D
Acq: 15 May 2020 19:32

Tgt Ion: 62 Resp: 158701
Ion Ratio Lower Upper
62 100
98 9.4 7.8 11.8

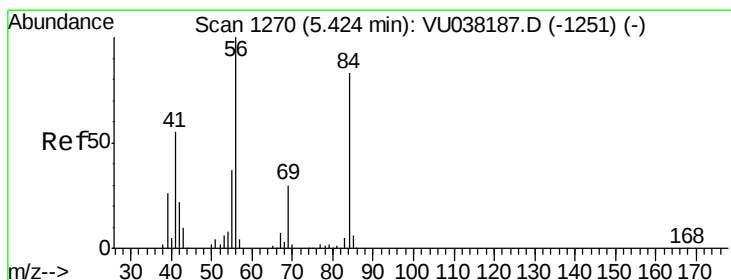
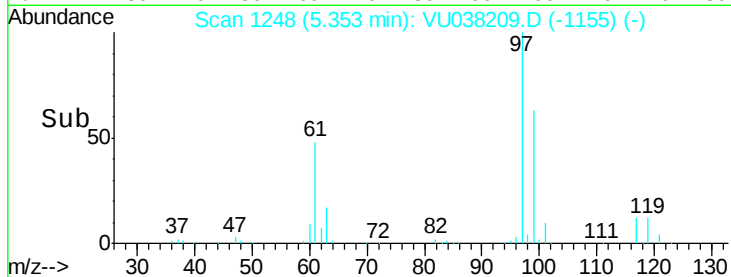
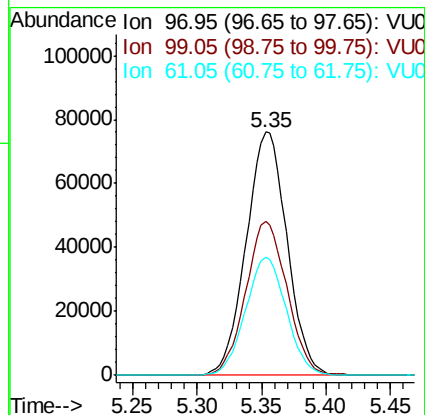
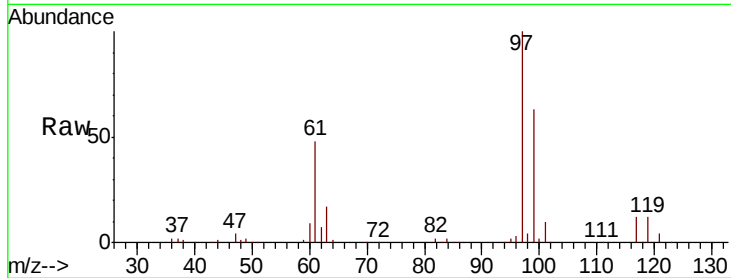




#29
 1,1,1-Trichloroethane
 Concen: 4.816 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038209.D
 Acq: 15 May 2020 19:32

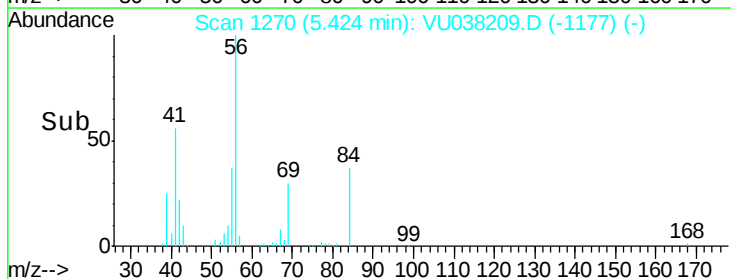
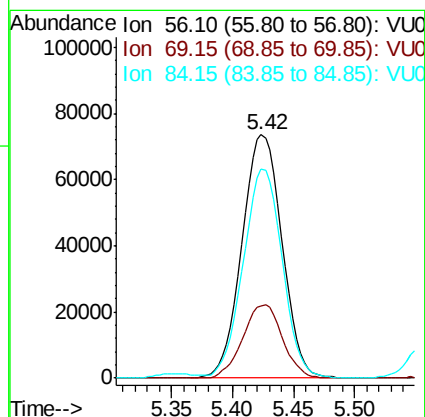
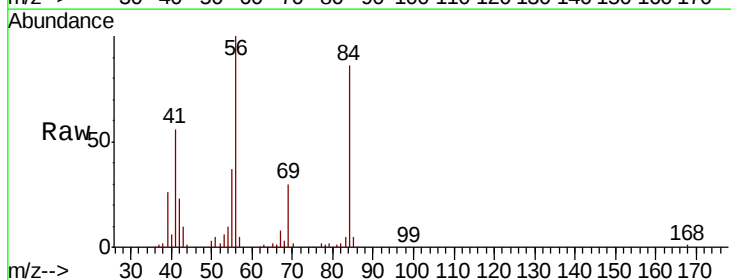
Instrument :
 MSVOA_U
 ClientSampleId :

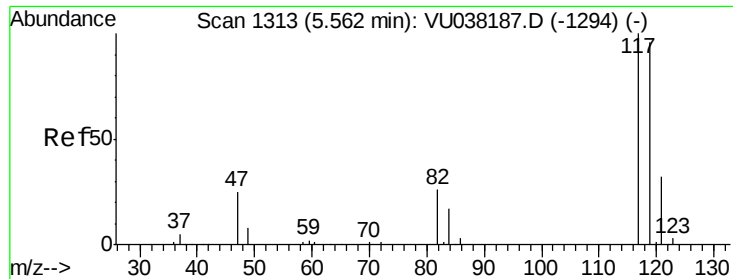
Tot Ion: 97 Resp: 168235
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.0 76.4
 61 48.6 38.2 57.4



#30
 Cyclohexane
 Concen: 4.043 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038209.D
 Acq: 15 May 2020 19:32

Tgt Ion: 56 Resp: 166753
 Ion Ratio Lower Upper
 56 100
 69 29.8 24.2 36.4
 84 83.6 68.5 102.7

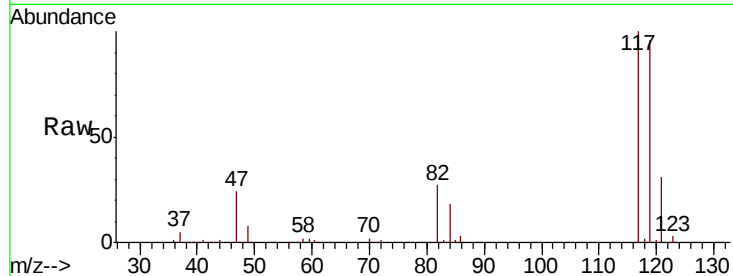




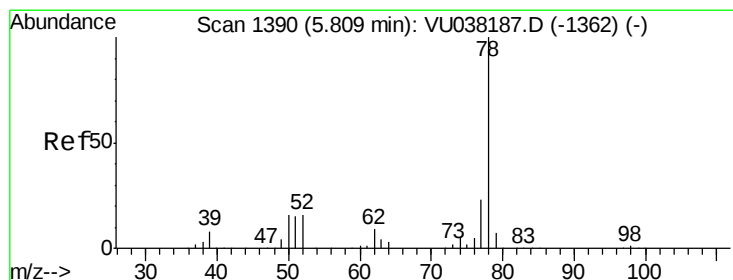
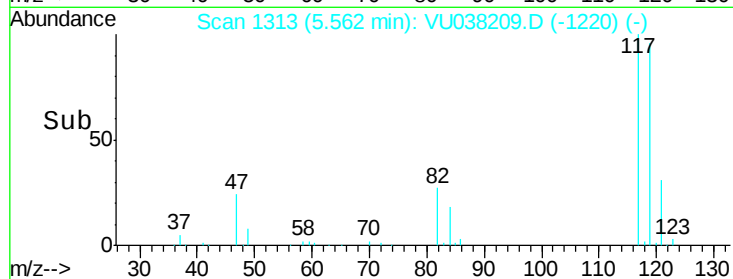
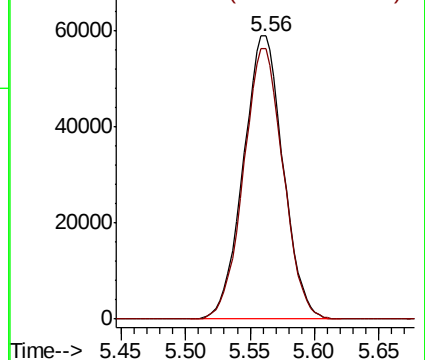
#31
Carbon tetrachloride
Concen: 4.517 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU038209.D
Acq: 15 May 2020 19:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 126838
Ion Ratio Lower Upper
117 100
119 95.2 75.4 113.2

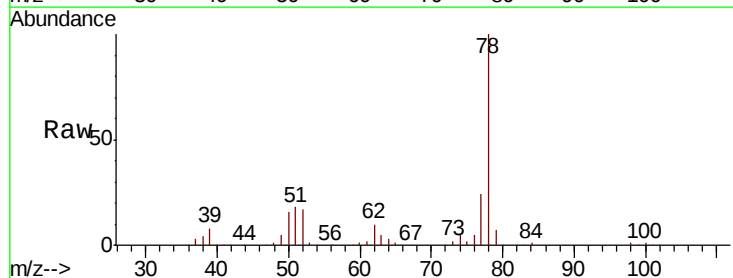


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

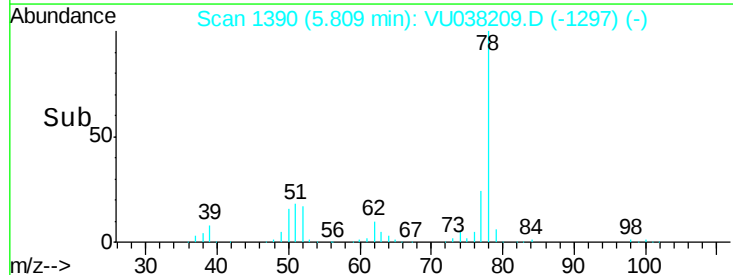
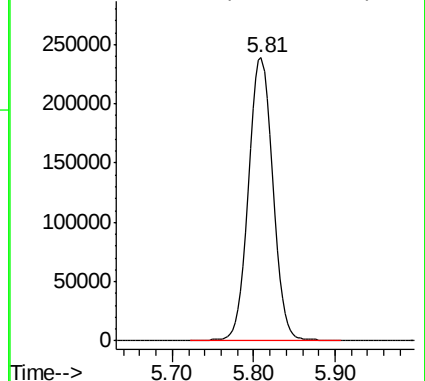


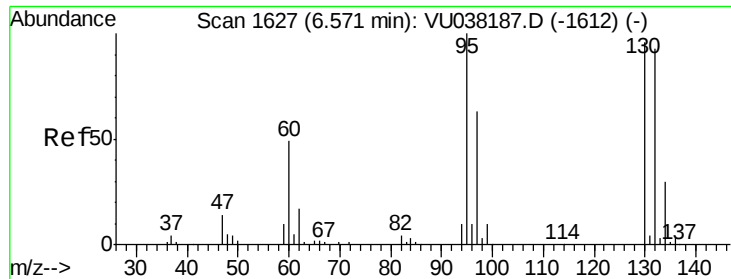
#33
Benzene
Concen: 5.029 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU038209.D
Acq: 15 May 2020 19:32

Tgt Ion: 78 Resp: 491088



Abundance Ion 78.10 (77.80 to 78.80): VU0

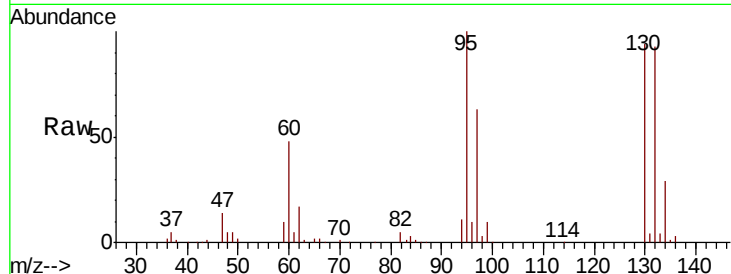




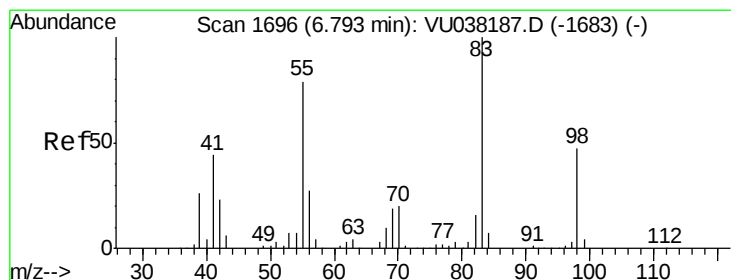
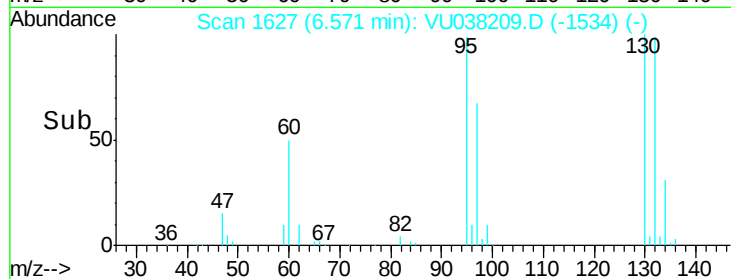
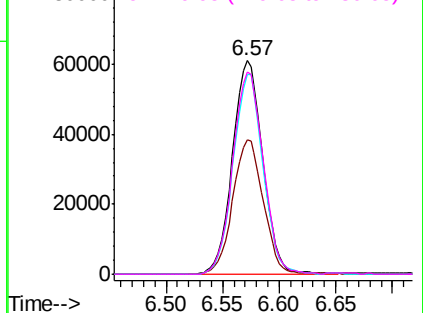
#34
 Trichloroethene
 Concen: 4.671 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038209.D
 Acq: 15 May 2020 19:32

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 114078
 Ion Ratio Lower Upper
 95 100
 97 62.9 44.9 83.3
 132 93.4 63.3 117.5
 130 94.4 65.7 122.1

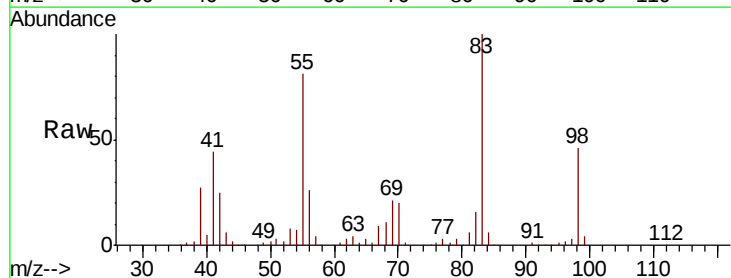


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

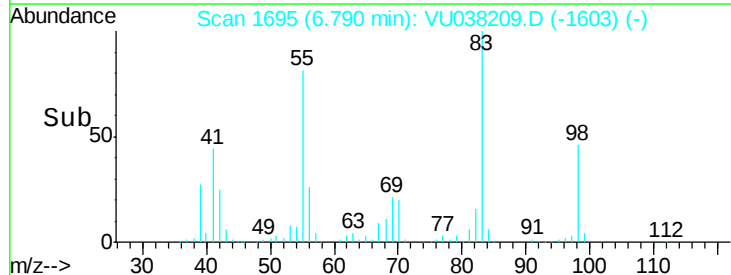
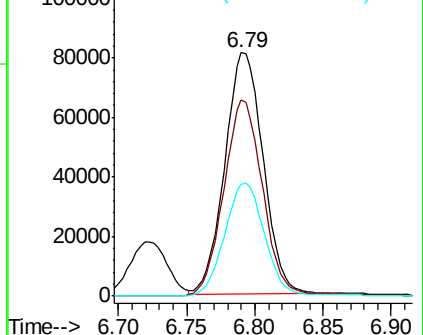


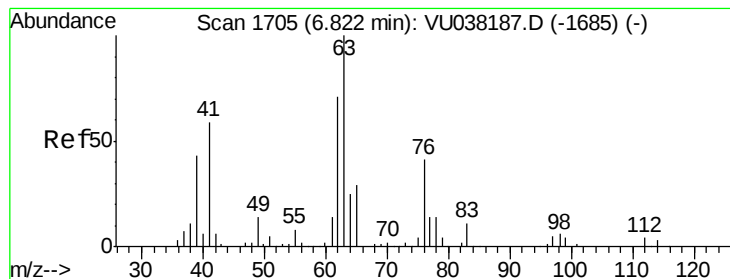
#35
 Methylcyclohexane
 Concen: 4.023 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038209.D
 Acq: 15 May 2020 19:32

Tgt Ion: 83 Resp: 159148
 Ion Ratio Lower Upper
 83 100
 55 82.0 66.7 100.1
 98 48.1 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: 5.078 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

Instrument :

MSVOA_U

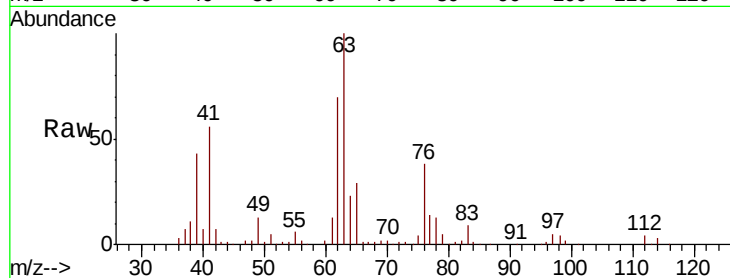
ClientSampleId :

Tot Ion: 63 Resp: 134690

Ion Ratio Lower Upper

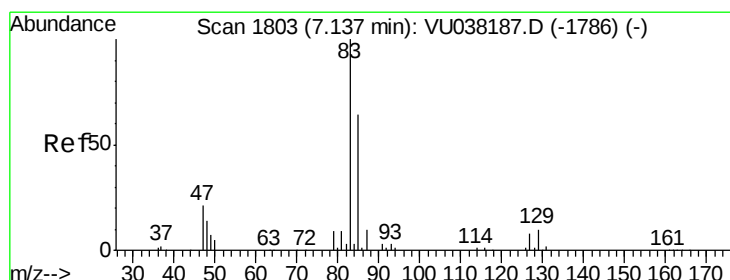
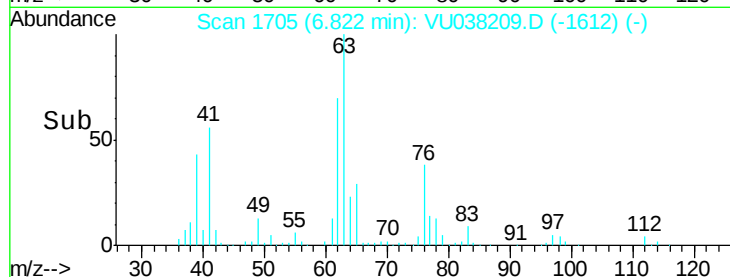
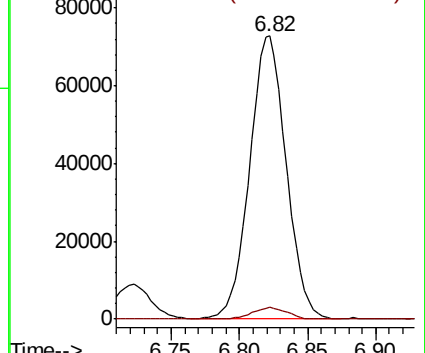
63 100

112 4.1 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU038187.D (-1685) (-)

Ion 112.10 (111.80 to 112.80): VU038187.D (-1685) (-)



#38

Bromodichloromethane

Concen: 5.043 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

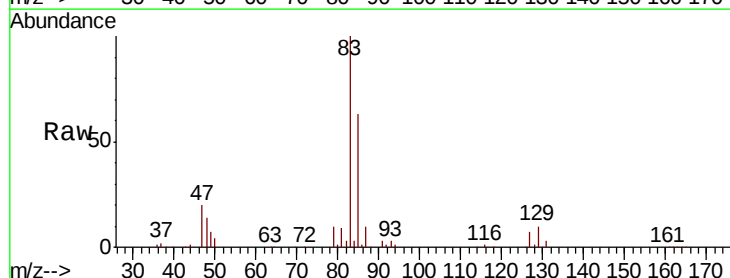
Tgt Ion: 83 Resp: 154634

Ion Ratio Lower Upper

83 100

85 63.0 44.6 82.8

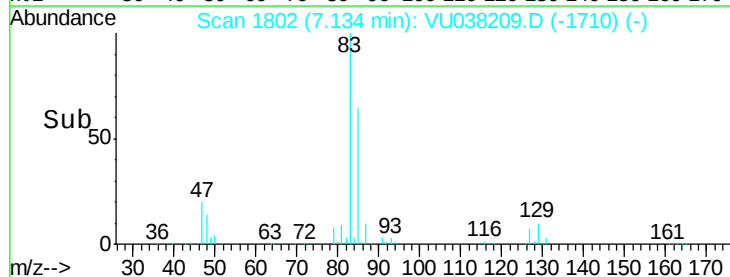
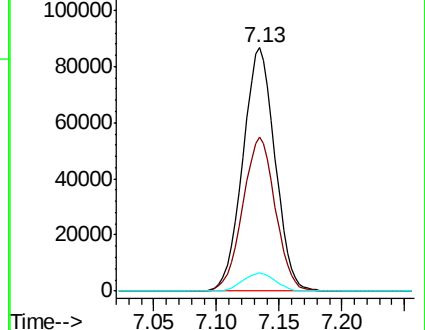
127 7.3 6.4 9.6

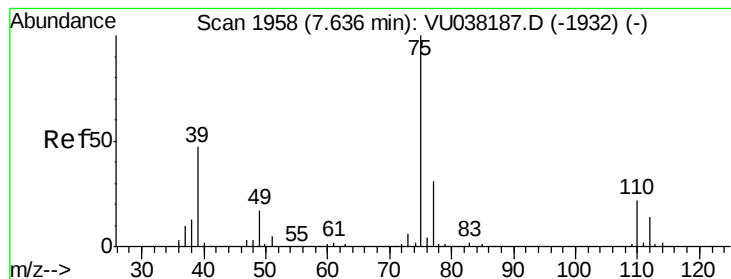


Abundance Ion 82.95 (82.65 to 83.65): VU038187.D (-1786) (-)

Ion 85.00 (84.70 to 85.70): VU038187.D (-1786) (-)

Ion 126.90 (126.60 to 127.60): VU038187.D (-1786) (-)



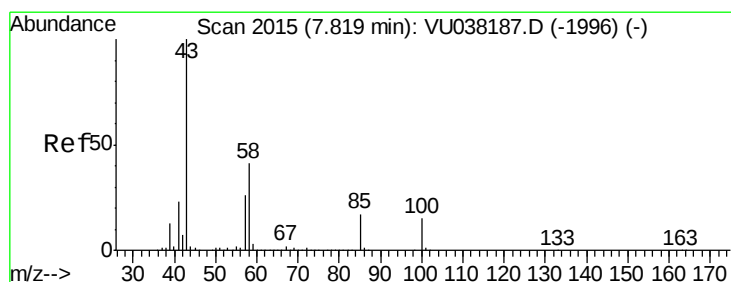
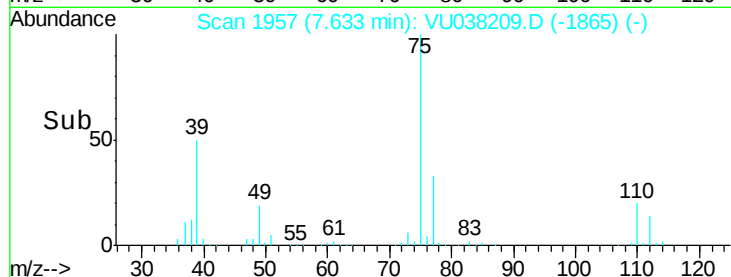
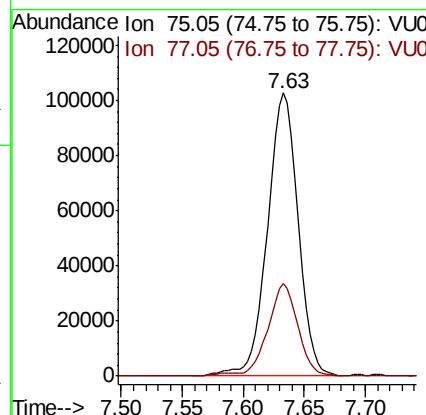
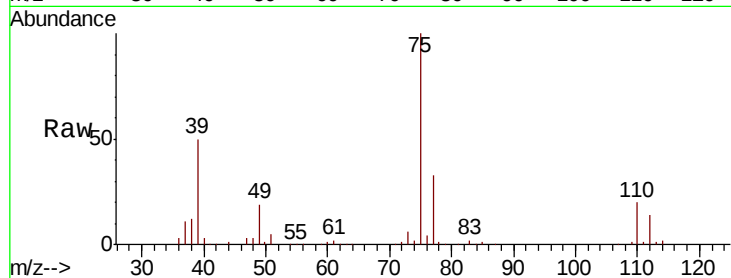


#39

cis-1,3-Dichloropropene
 Concen: 4.758 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038209.D
 Acq: 15 May 2020 19:32

Instrument :
 MSVOA_U
 ClientSampled :

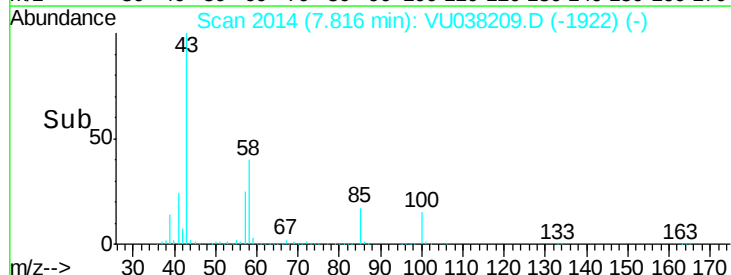
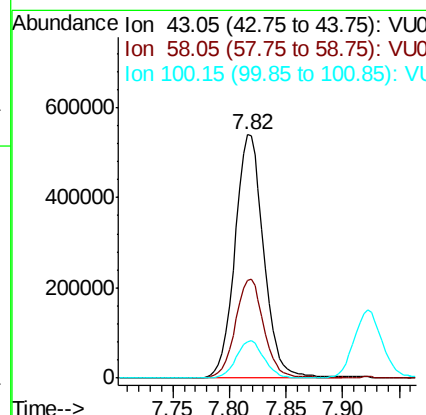
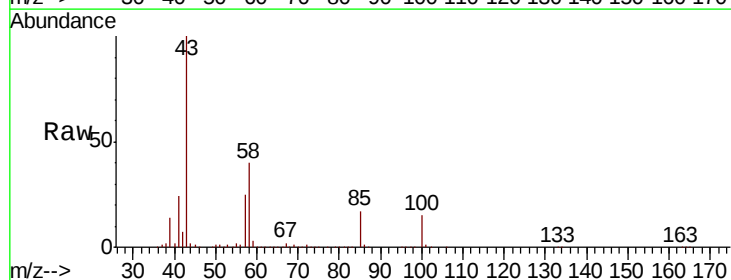
Tot Ion: 75 Resp: 180597
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.4 41.6

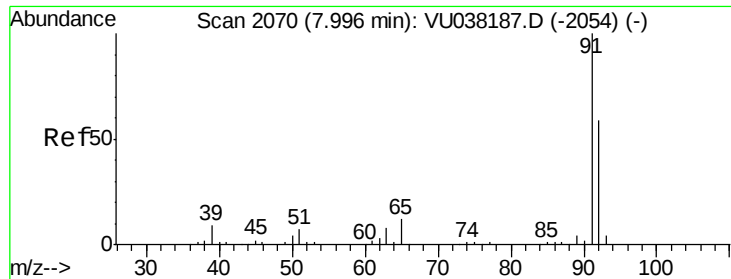


#40

4-Methyl-2-pentanone
 Concen: 52.061 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VU038209.D
 Acq: 15 May 2020 19:32

Tgt Ion: 43 Resp: 956971
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.2 48.4
 100 15.1 12.1 18.1





#42

Toluene

Concen: 4.719 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

Instrument :

MSVOA_U

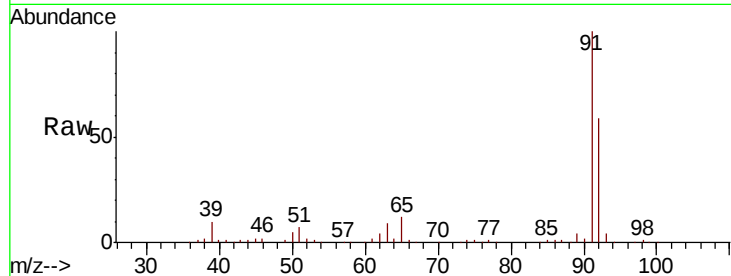
ClientSampleId :

Tot Ion: 91 Resp: 486409

Ion Ratio Lower Upper

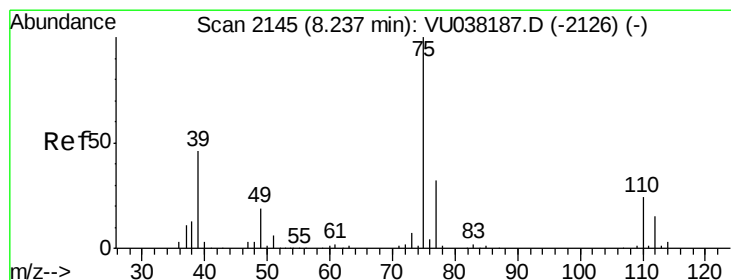
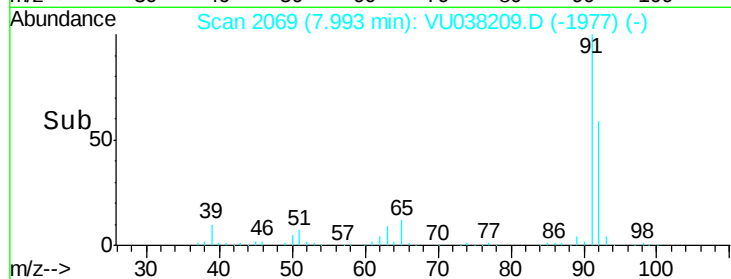
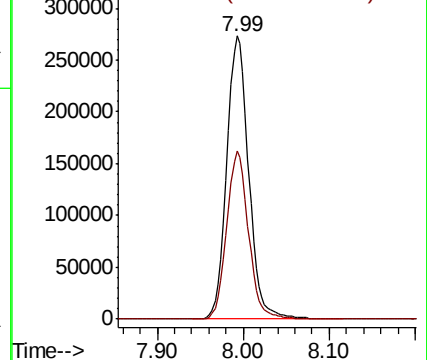
91 100

92 59.3 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 4.794 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU038209.D

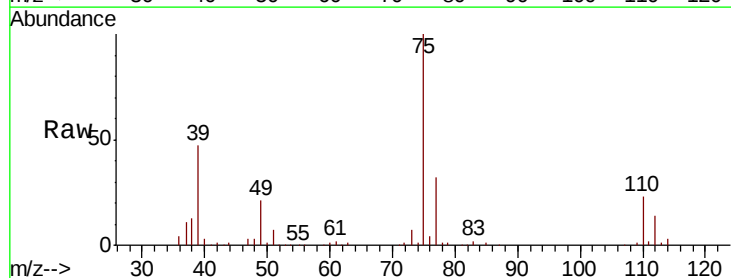
Acq: 15 May 2020 19:32

Tgt Ion: 75 Resp: 154737

Ion Ratio Lower Upper

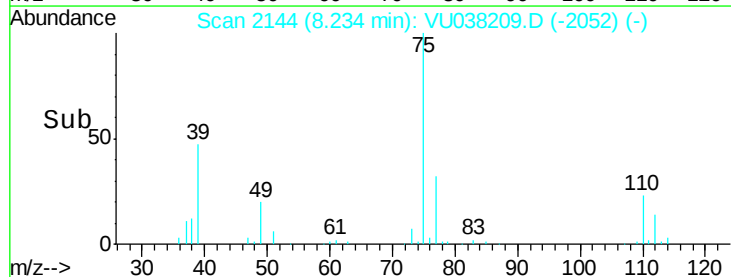
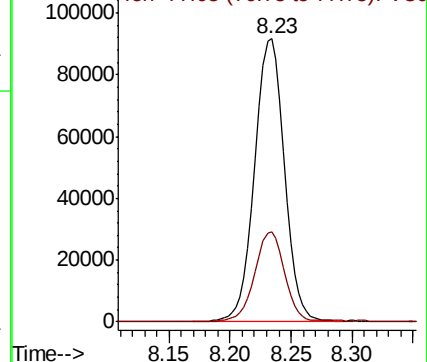
75 100

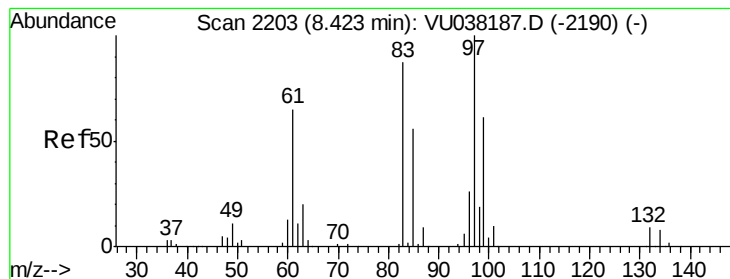
77 32.0 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 5.159 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 95022

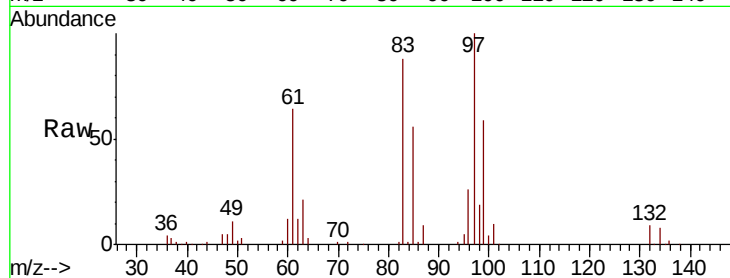
Ion Ratio Lower Upper

97 100

99 59.4 44.0 81.6

83 87.5 59.6 110.8

85 56.4 41.3 76.7

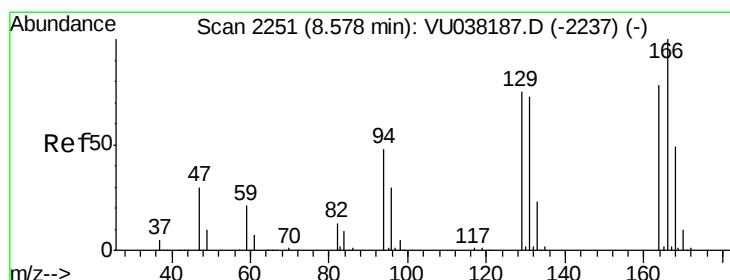
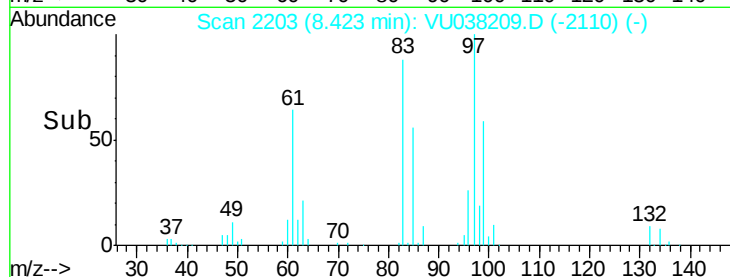
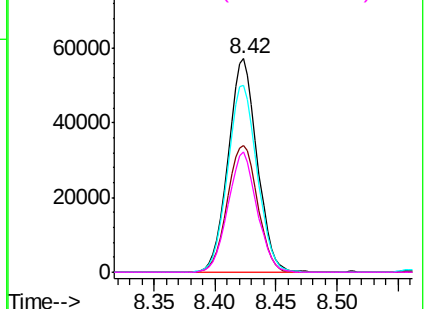


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.416 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

Tgt Ion: 164 Resp: 75431

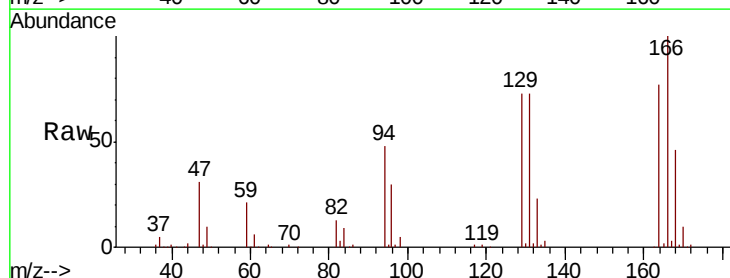
Ion Ratio Lower Upper

164 100

129 93.9 68.8 127.8

131 94.5 66.8 124.2

166 129.2 88.9 165.1

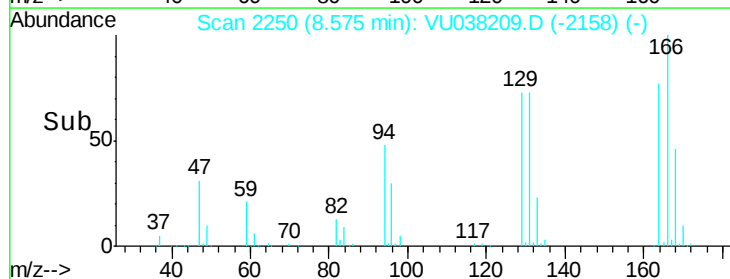
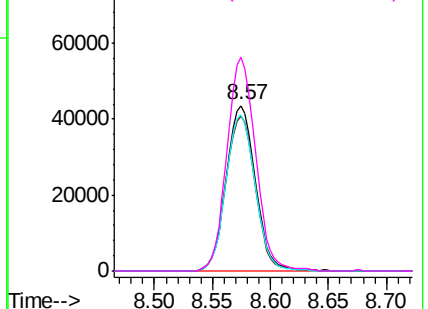


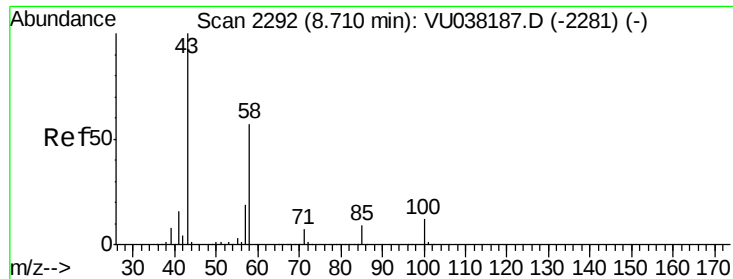
Abundance Ion 163.90 (163.60 to 164.60): V

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

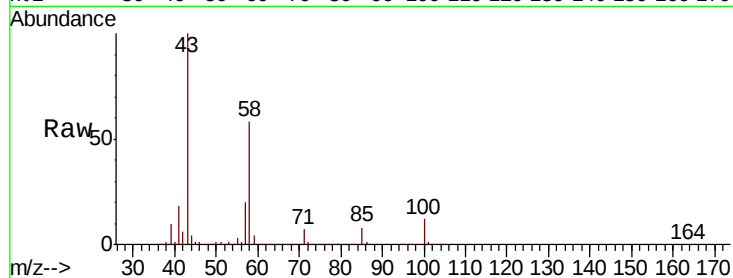




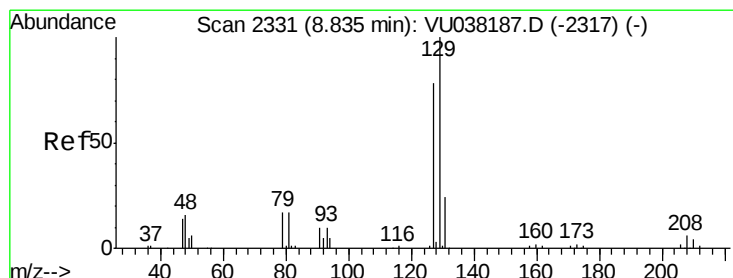
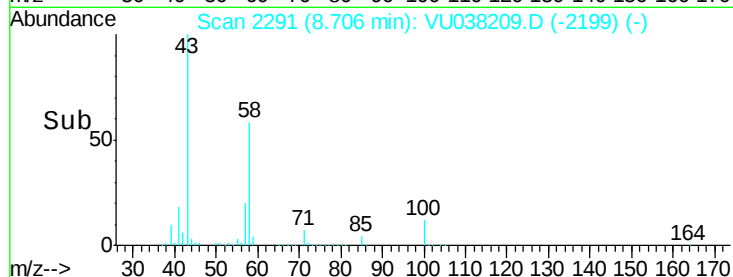
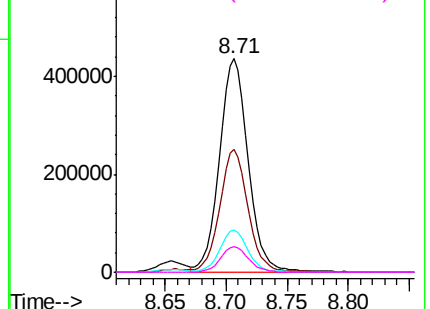
#48
2-Hexanone
Concen: 53.339 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038209.D
Acq: 15 May 2020 19:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 718034
Ion Ratio Lower Upper
43 100
58 56.9 45.2 67.8
57 19.3 15.5 23.3
100 11.9 9.5 14.3

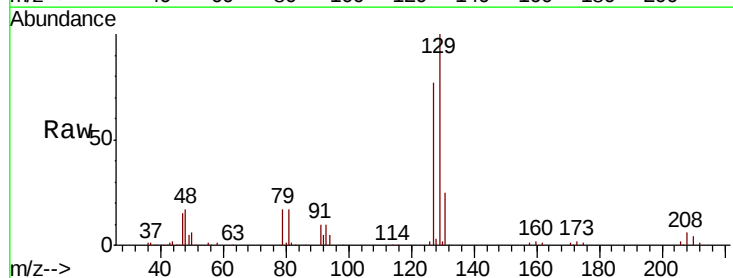


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

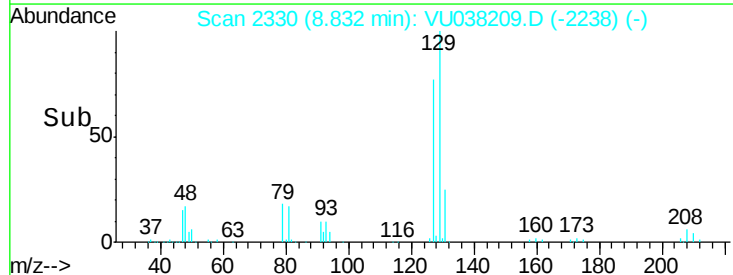
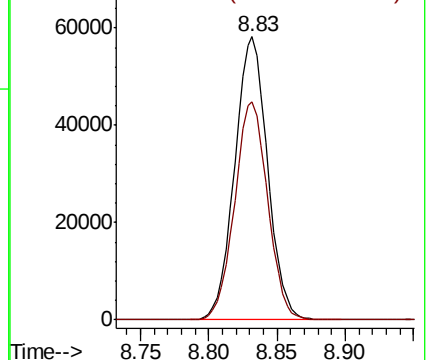


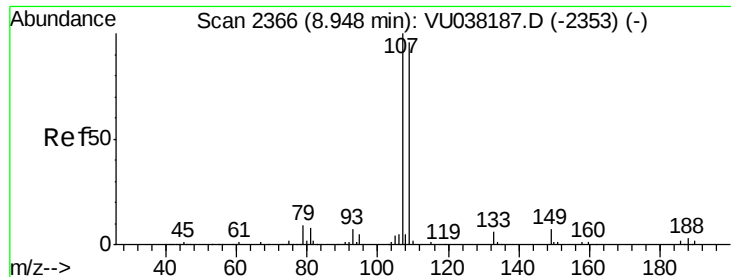
#49
Dibromochloromethane
Concen: 5.093 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038209.D
Acq: 15 May 2020 19:32

Tgt Ion: 129 Resp: 97338
Ion Ratio Lower Upper
129 100
127 77.2 55.6 103.4



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

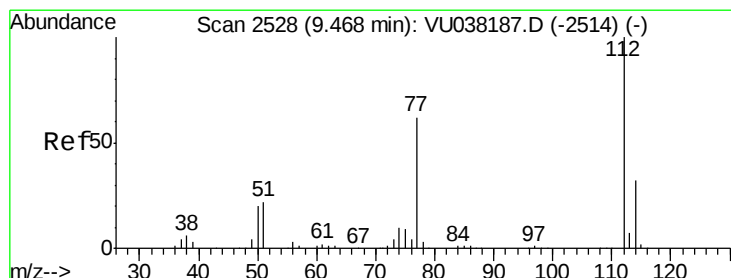
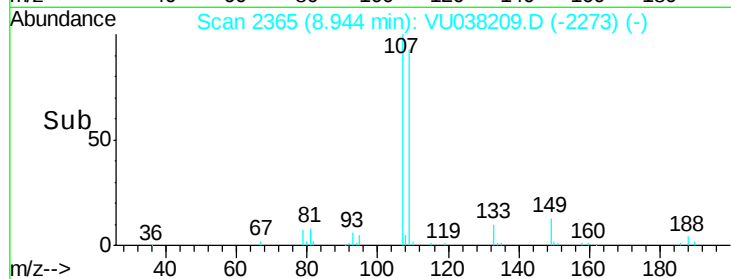
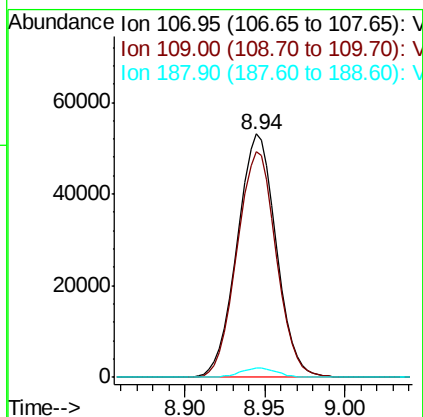
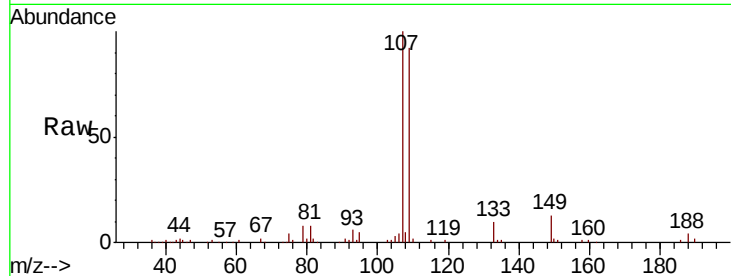




#50
 1,2-Dibromoethane
 Concen: 5.173 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU038209.D
 Acq: 15 May 2020 19:32

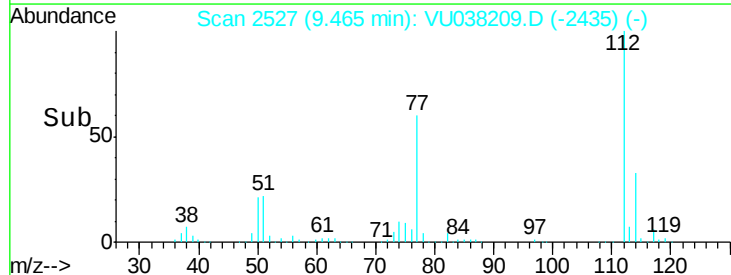
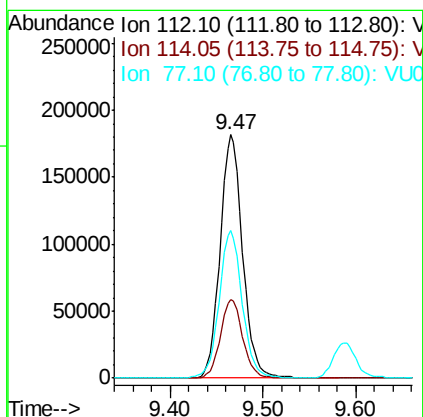
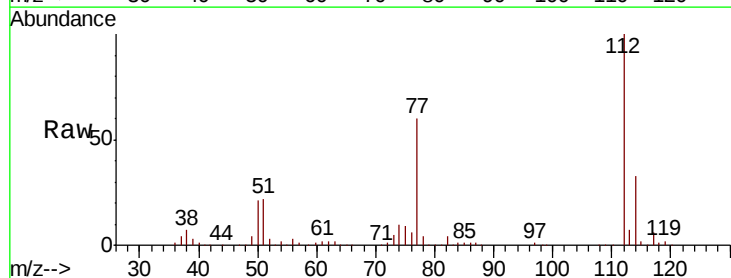
Instrument :
 MSVOA_U
 ClientSampleId :

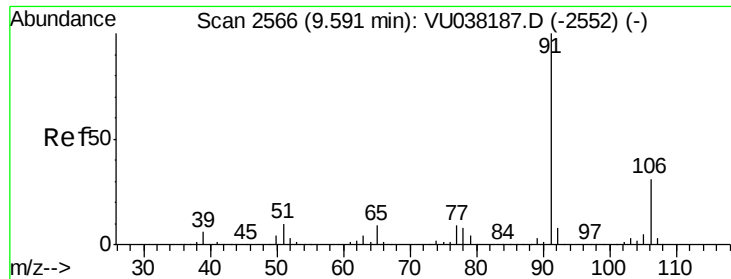
Tot Ion:107 Resp: 88424
 Ion Ratio Lower Upper
 107 100
 109 92.5 65.1 120.9
 188 3.8 2.6 4.0



#51
 Chlorobenzene
 Concen: 4.761 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU038209.D
 Acq: 15 May 2020 19:32

Tgt Ion:112 Resp: 304579
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.5 41.7
 77 60.4 49.9 74.9





#52

Ethylbenzene

Concen: 4.494 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

Instrument :

MSVOA_U

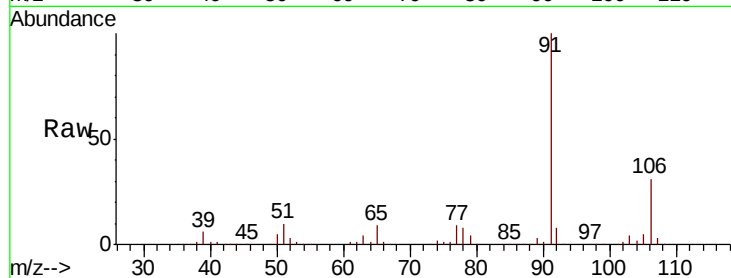
ClientSampleId :

Tot Ion: 91 Resp: 501764

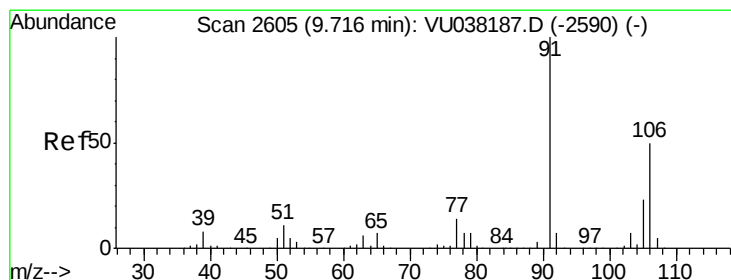
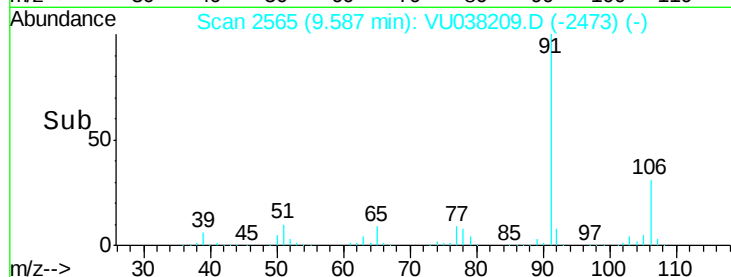
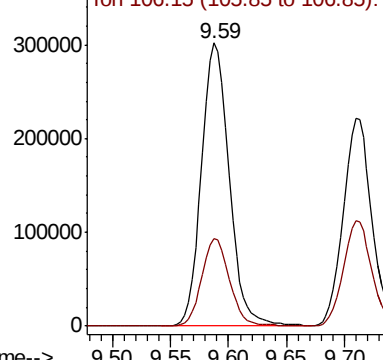
Ion Ratio Lower Upper

91 100

106 31.1 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038187.D (-2552) (-)



#53

m,p-Xylene

Concen: 4.528 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.01 min

Lab File: VU038209.D

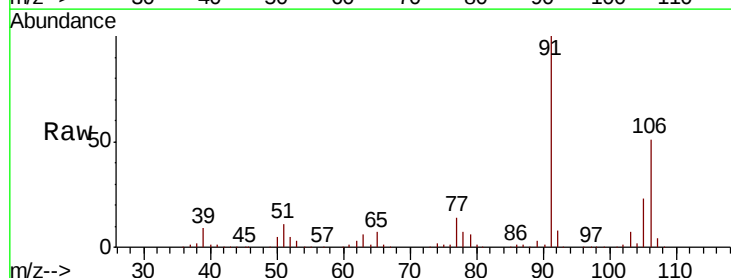
Acq: 15 May 2020 19:32

Tgt Ion: 106 Resp: 193863

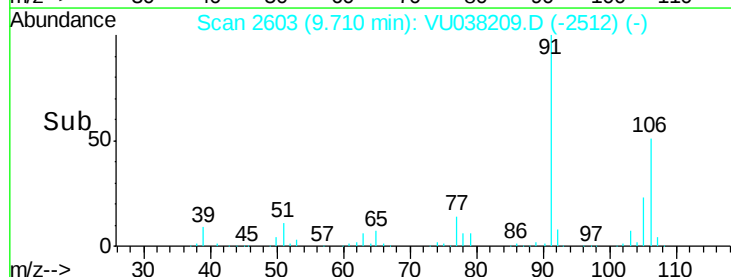
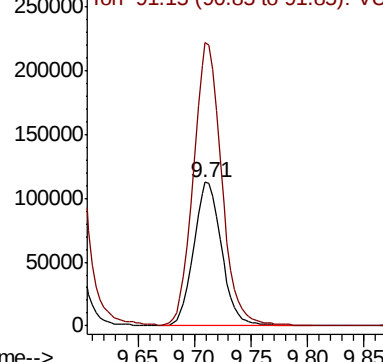
Ion Ratio Lower Upper

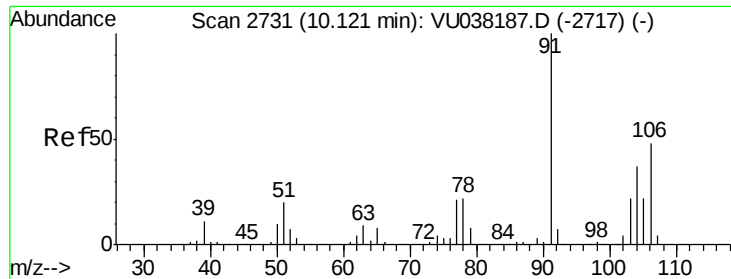
106 100

91 197.1 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038187.D (-2590) (-)

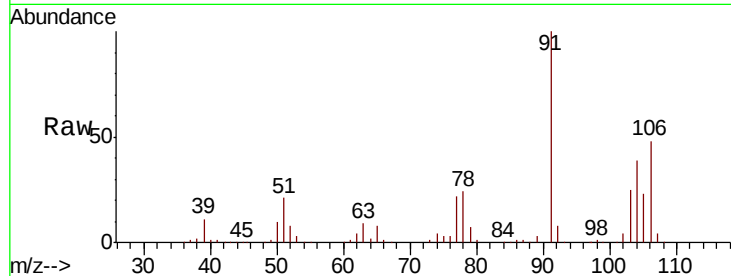




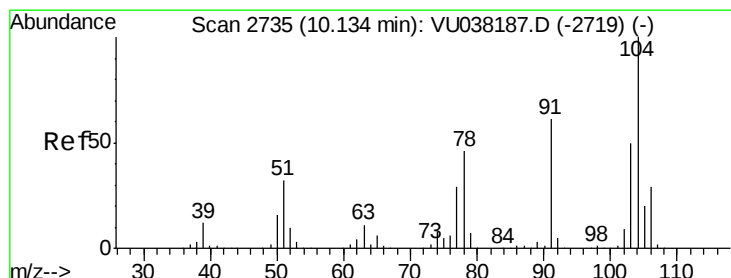
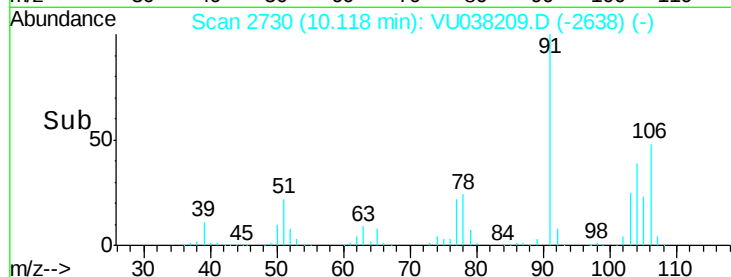
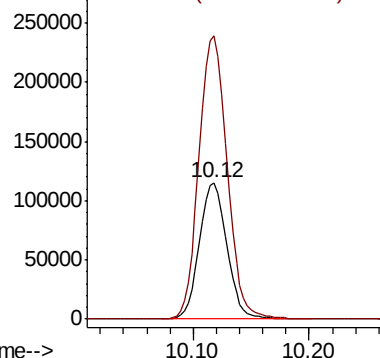
#54
o-Xylene
Concen: 4.565 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038209.D
Acq: 15 May 2020 19:32

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 188948
Ion Ratio Lower Upper
106 100
91 207.7 148.5 275.9

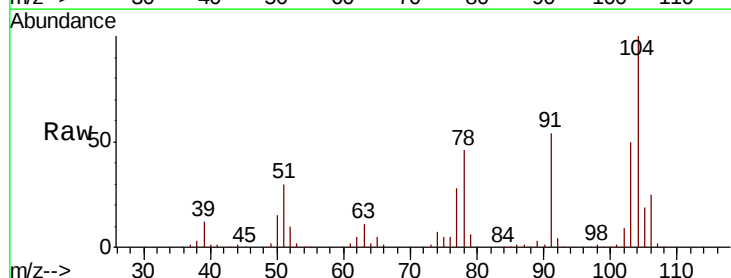


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

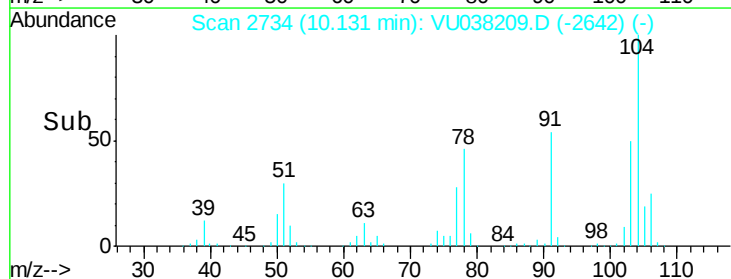
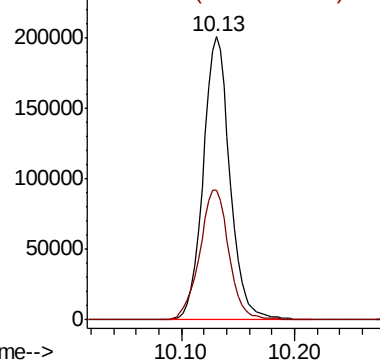


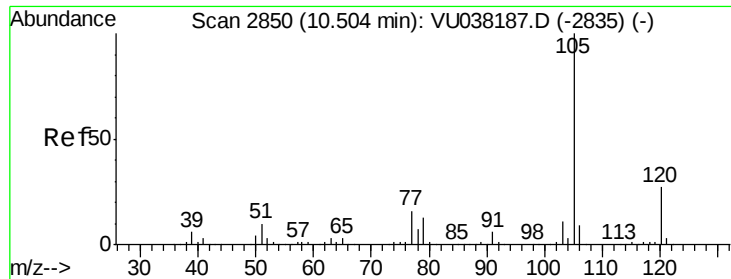
#55
Styrene
Concen: 4.737 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038209.D
Acq: 15 May 2020 19:32

Tgt Ion:104 Resp: 329187
Ion Ratio Lower Upper
104 100
78 45.8 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: 4.477 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

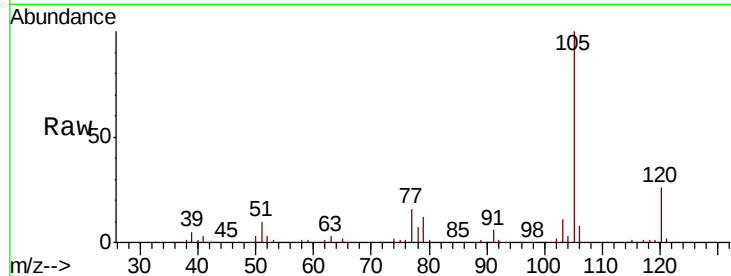
Tot Ion:105 Resp: 476046

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.6

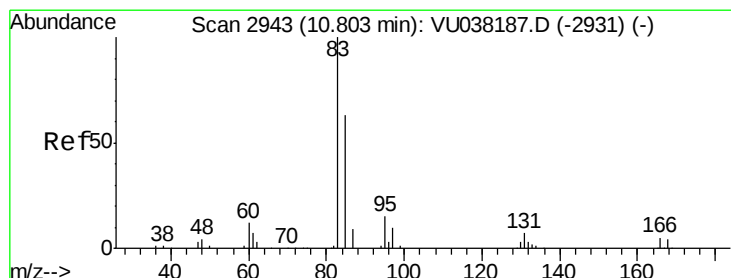
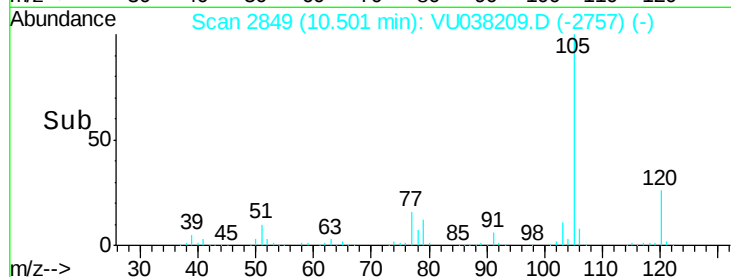
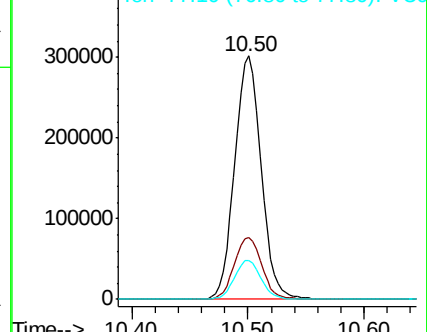
77 16.1 13.0 19.4



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: 5.121 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.01 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

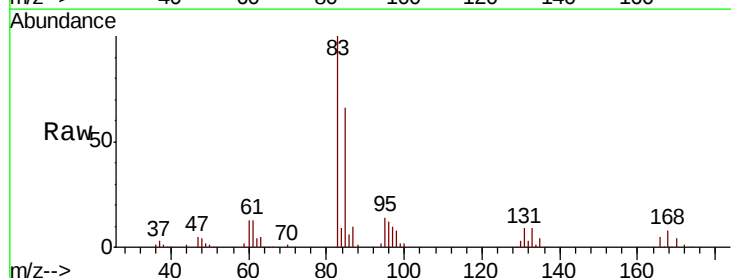
Tgt Ion: 83 Resp: 119754

Ion Ratio Lower Upper

83 100

85 66.1 47.0 87.2

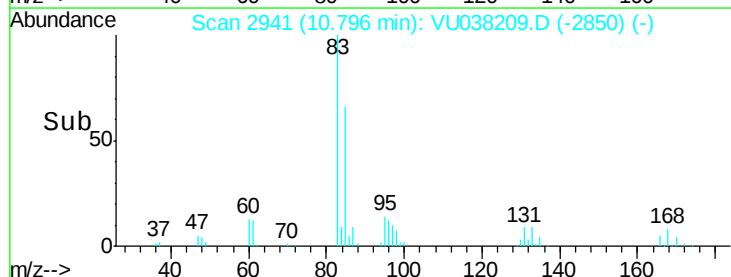
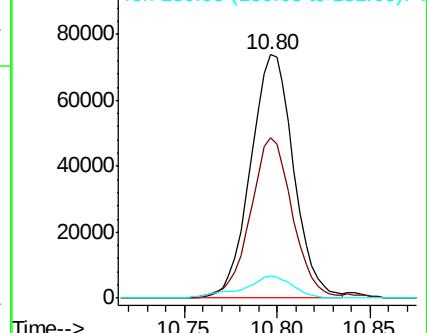
131 9.1 7.7 11.5

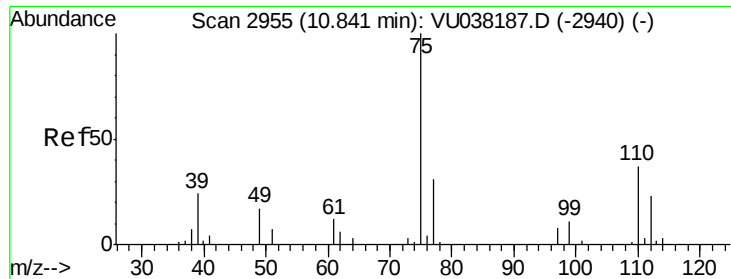


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

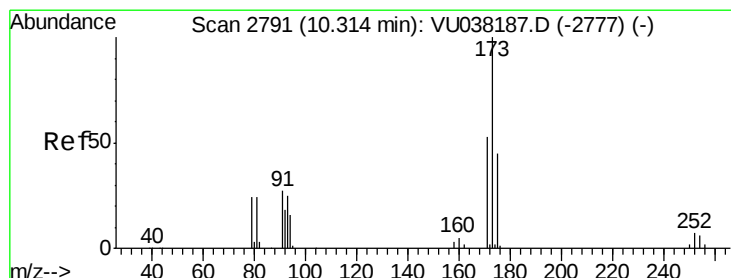
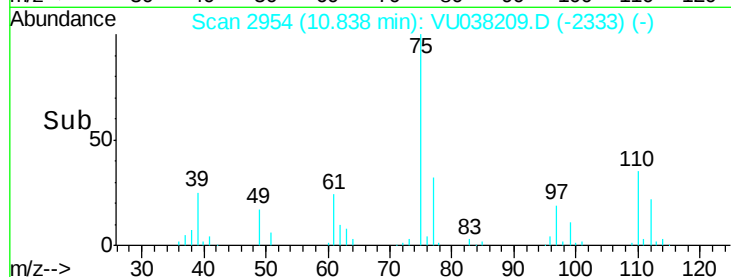
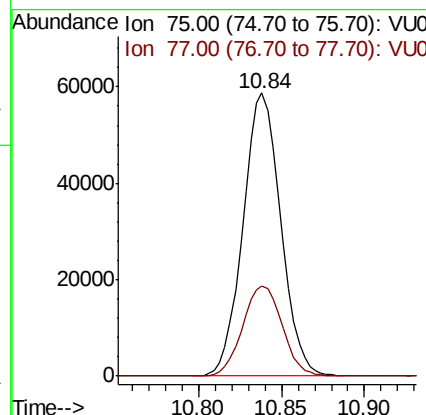
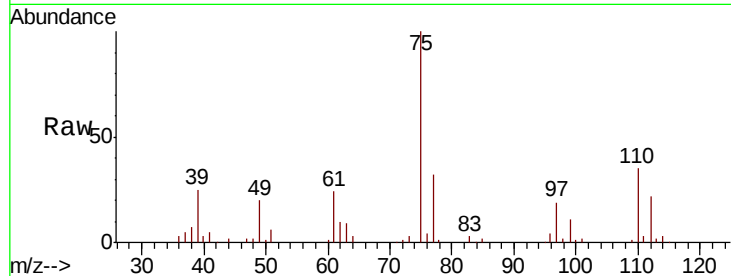




#59
 1,2,3-Trichloropropane
 Concen: 5.220 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU038209.D
 Acq: 15 May 2020 19:32

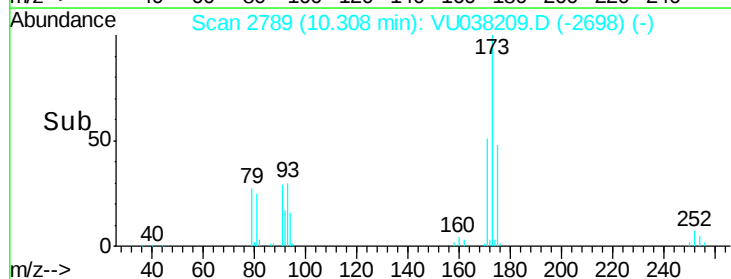
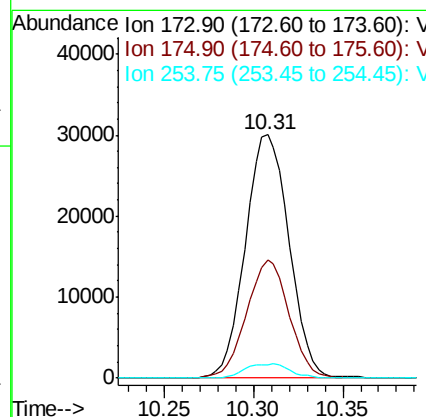
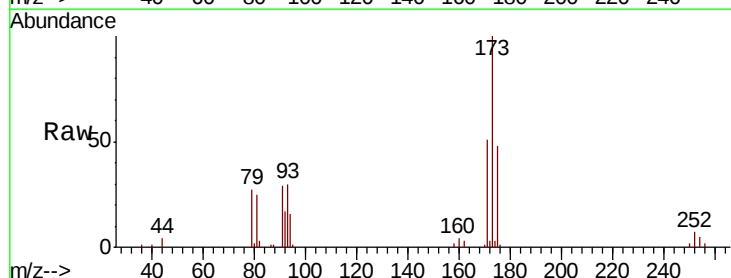
Instrument :
 MSVOA_U
 ClientSampleId :

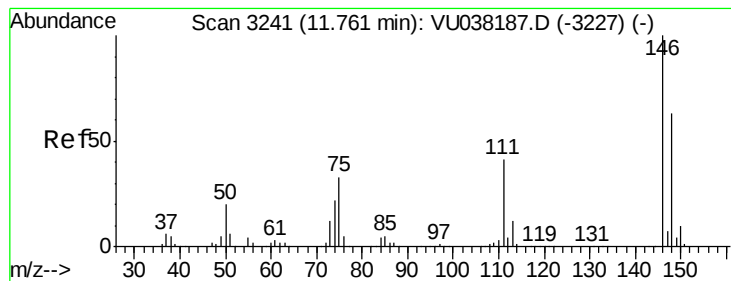
Tot Ion: 75 Resp: 92928
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.4 38.0



#61
 Bromoform
 Concen: 5.175 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.01 min
 Lab File: VU038209.D
 Acq: 15 May 2020 19:32

Tgt Ion: 173 Resp: 51256
 Ion Ratio Lower Upper
 173 100
 175 47.1 39.5 59.3
 254 6.1 5.0 7.4





#62

1,3-Dichlorobenzene

Concen: 4.665 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

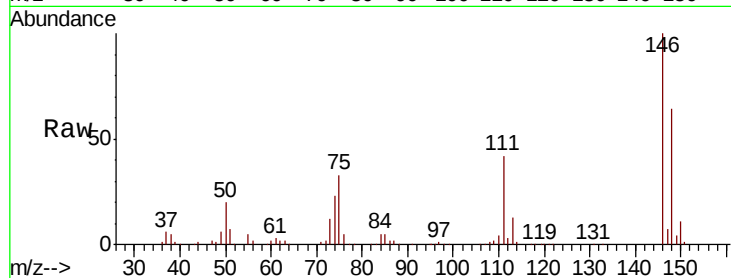
Tot Ion:146 Resp: 222384

Ion Ratio Lower Upper

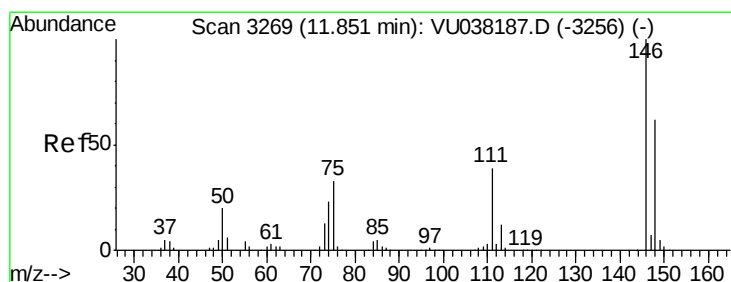
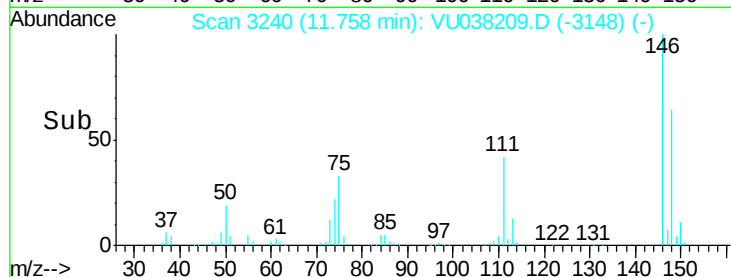
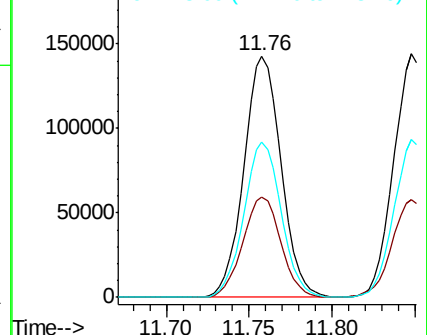
146 100

111 41.8 28.6 53.2

148 64.3 45.2 84.0



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



#63

1,4-Dichlorobenzene

Concen: 4.664 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

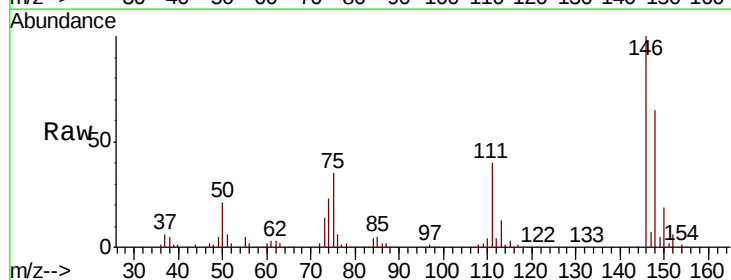
Tgt Ion:146 Resp: 225302

Ion Ratio Lower Upper

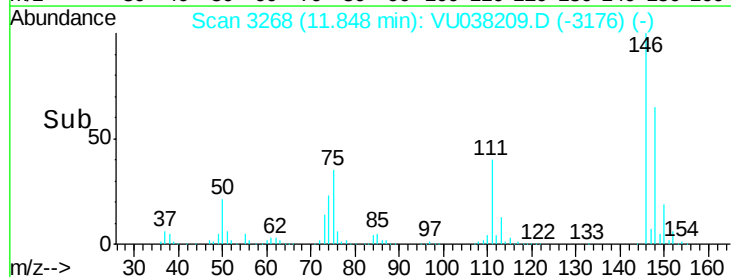
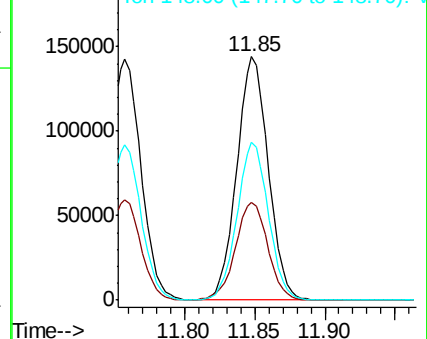
146 100

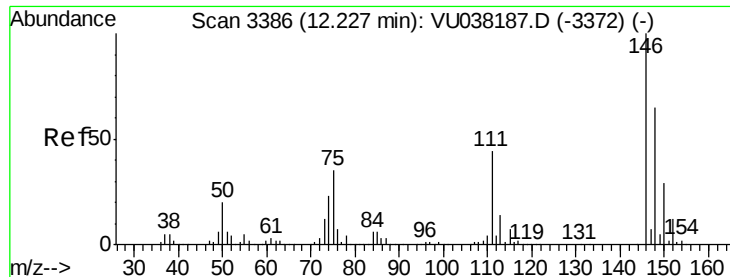
111 40.4 27.2 50.6

148 64.9 43.8 81.3



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





#65

1,2-Dichlorobenzene

Concen: 4.825 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

Instrument :

MSVOA_U

ClientSampled :

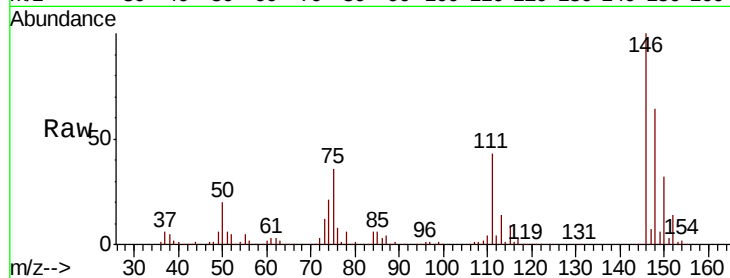
Tot Ion:146 Resp: 221299

Ion Ratio Lower Upper

146 100

111 43.0 35.3 52.9

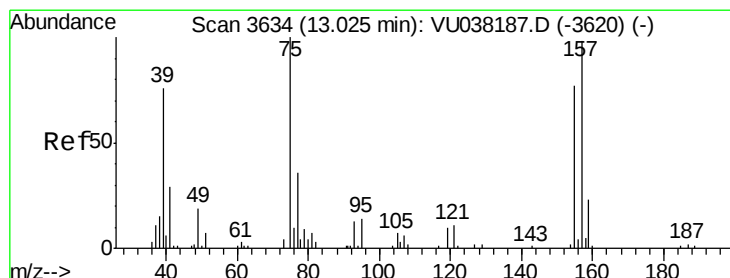
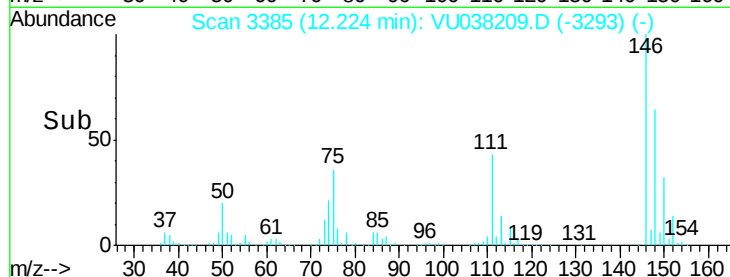
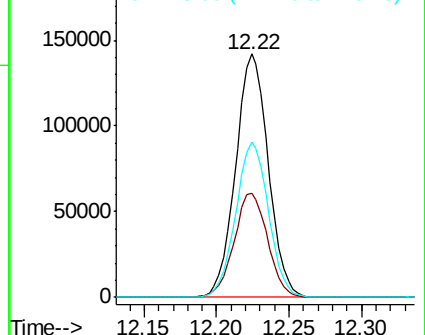
148 63.5 51.0 76.4



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: 4.943 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.01 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

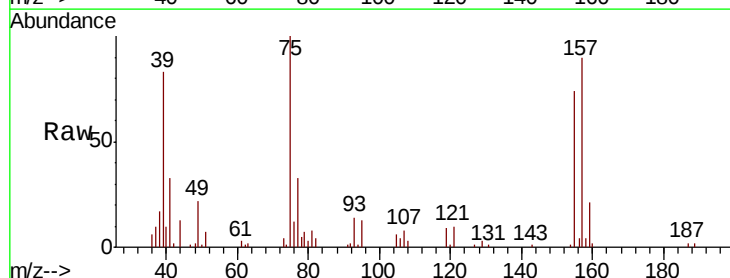
Tgt Ion: 75 Resp: 18530

Ion Ratio Lower Upper

75 100

155 74.3 58.2 87.2

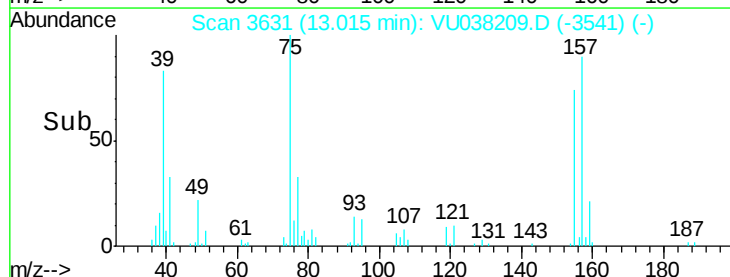
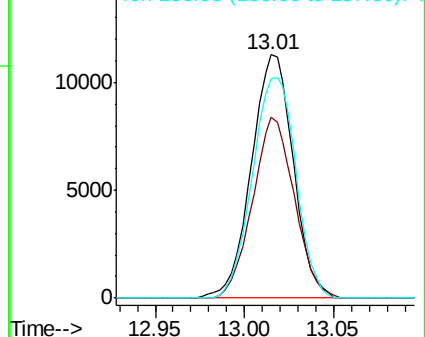
157 90.3 72.9 109.3

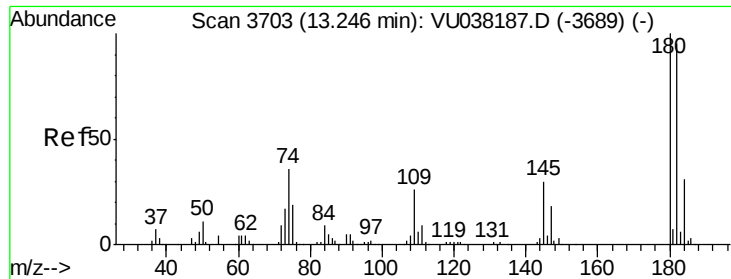


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

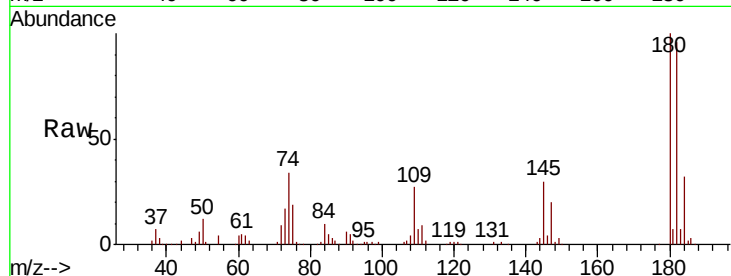




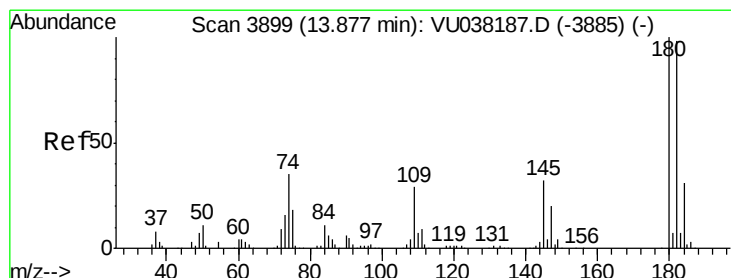
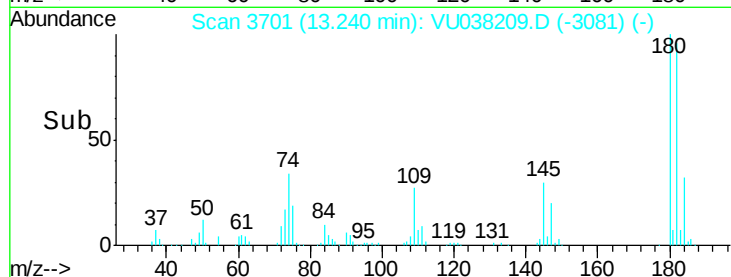
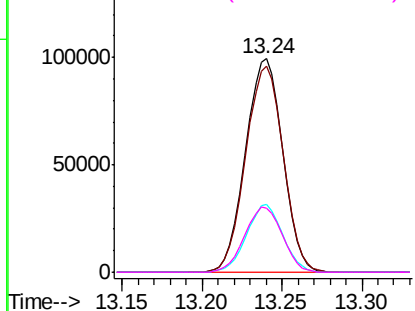
#67
 1,3,5-Trichlorobenzene
 Concen: 4.570 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.01 min
 Lab File: VU038209.D
 Acq: 15 May 2020 19:32

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	158101
Ion Ratio	Lower	Upper
180	100	
182	97.3	77.4 116.2
184	30.8	24.2 36.2
145	30.7	24.0 36.0

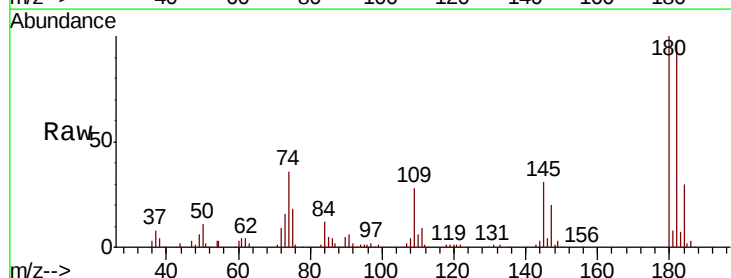


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

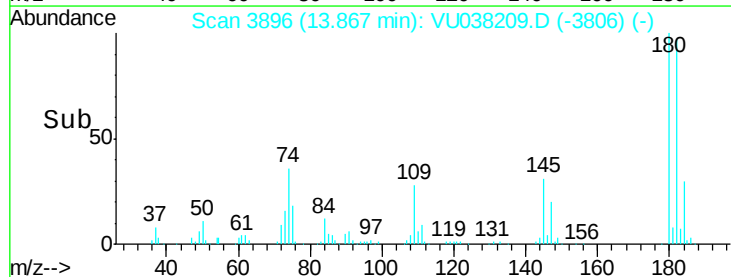
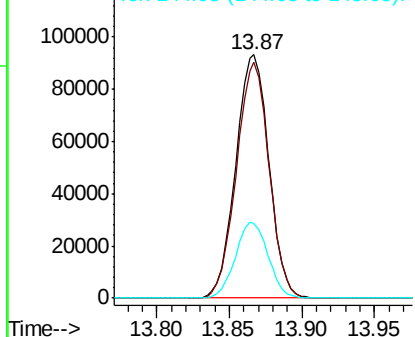


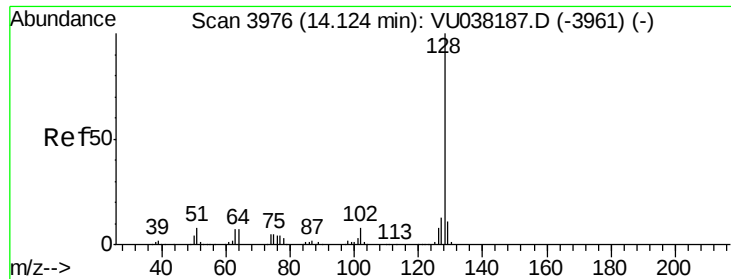
#68
 1,2,4-trichlorobenzene
 Concen: 4.705 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU038209.D
 Acq: 15 May 2020 19:32

Tgt Ion:180	Resp:	147625
Ion Ratio	Lower	Upper
180	100	
182	95.6	75.0 112.6
145	30.7	24.8 37.2



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





#69

Naphthalene

Concen: 4.956 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

Instrument :

MSVOA_U

ClientSampled :

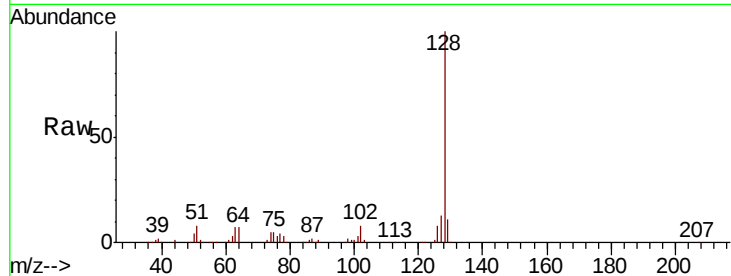
Tot Ion:128 Resp: 327385

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

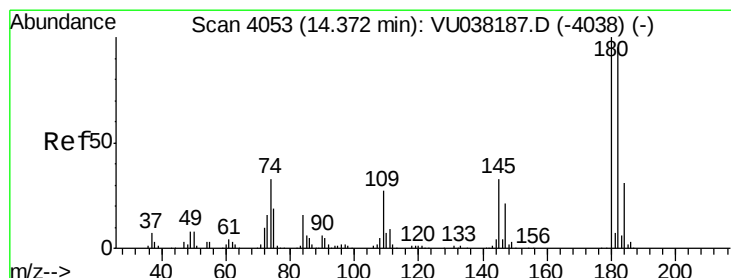
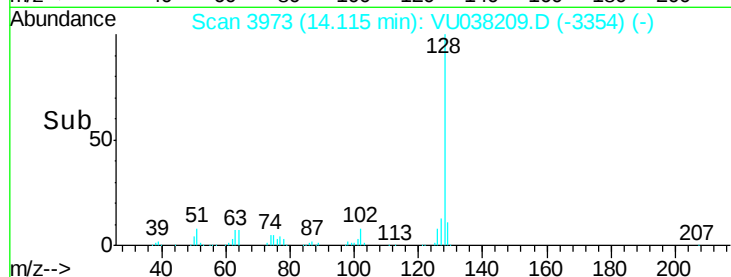
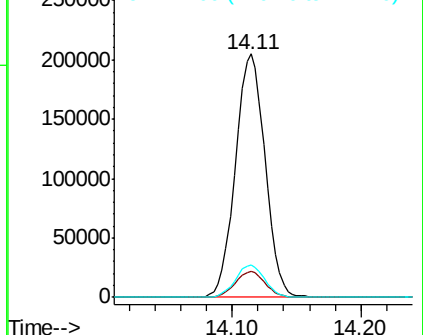
127 13.2 10.2 15.4



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: 4.856 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU038209.D

Acq: 15 May 2020 19:32

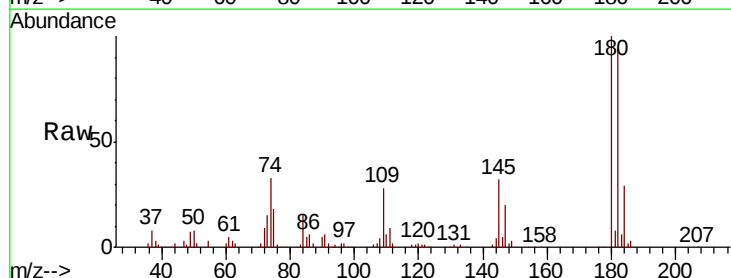
Tgt Ion:180 Resp: 141612

Ion Ratio Lower Upper

180 100

182 96.9 76.3 114.5

145 32.7 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

