

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050720\
 Data File : VU038078.D
 Acq On : 08 May 2020 07:18
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 08 07:42:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 08 07:40:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	350677	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	340581	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	158406	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	142173	4.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.60%
7) Chloroethane-d5	1.93	69	125958	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.59	63	226492	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.40%
20) 2-Butanone-d5	4.66	46	365903	46.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.46%
24) Chloroform-d	5.10	84	214968	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.74	65	131937	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.76	84	477277	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.72	67	159600	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.92	98	418739	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	8.20	79	57744	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.65	63	292972	47.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.04%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	126776	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	144722	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	134500	4.194	ug/L	99
3) Chloromethane	1.53	50	174936	4.526	ug/L	98
5) Vinyl chloride	1.62	62	174238	4.601	ug/L	99
6) Bromomethane	1.87	94	89068	4.131	ug/L	99
8) Chloroethane	1.95	64	104748	4.497	ug/L	100
9) Trichlorofluoromethane	2.16	101	168723	4.357	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	97576	4.064	ug/L	99
12) 1,1-Dichloroethene	2.60	96	104628	4.299	ug/L	93
13) Acetone	2.65	43	240020	48.340	ug/L	100
14) Carbon disulfide	2.82	76	359048	4.136	ug/L	99
15) Methyl Acetate	2.98	43	59587	4.290	ug/L	95
16) Methylene chloride	3.08	84	131035	4.619	ug/L	99
17) Methyl tert-butyl Ether	3.40	73	312728	4.625	ug/L	99
18) trans-1,2-Dichloroethene	3.38	96	117191	4.411	ug/L	98
19) 1,1-Dichloroethane	3.91	63	240678	4.638	ug/L	99
21) 2-Butanone	4.74	43	419440	47.859	ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	131010	4.576	ug/L	100

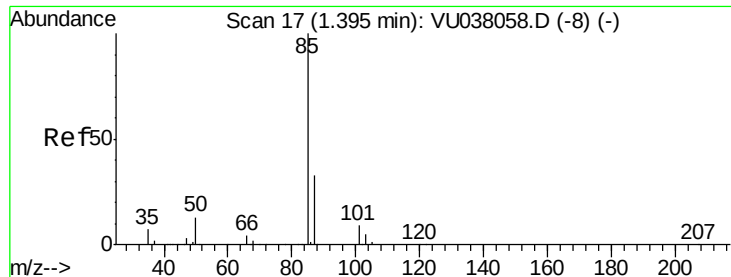
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050720\
 Data File : VU038078.D
 Acq On : 08 May 2020 07:18
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 08 07:40:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	57984	4.706	ug/L	94
25) Chloroform	5.12	83	240139	4.961	ug/L	97
27) 1,2-Dichloroethane	5.83	62	160076	4.685	ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	175112	4.488	ug/L	99
30) Cyclohexane	5.42	56	194943	4.231	ug/L	99
31) Carbon tetrachloride	5.56	117	133437	4.255	ug/L	98
33) Benzene	5.81	78	509157	4.668	ug/L	100
34) Trichloroethene	6.57	95	120771	4.427	ug/L	99
35) Methylcyclohexane	6.79	83	180113	4.076	ug/L	99
37) 1,2-Dichloropropane	6.82	63	139413	4.706	ug/L	99
38) Bromodichloromethane	7.13	83	157855	4.609	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	188032	4.435	ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	991592	48.295	ug/L	100
42) Toluene	7.99	91	523142	4.544	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	160908	4.463	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	95950	4.664	ug/L	96
47) Tetrachloroethene	8.57	164	81158	4.254	ug/L	96
48) 2-Hexanone	8.70	43	750020	49.880	ug/L	99
49) Dibromochloromethane	8.83	129	99498	4.660	ug/L	97
50) 1,2-Dibromoethane	8.94	107	91396	4.787	ug/L	98
51) Chlorobenzene	9.47	112	324217	4.538	ug/L	99
52) Ethylbenzene	9.59	91	550774	4.416	ug/L	99
53) m,p-Xylene	9.71	106	213190	4.458	ug/L	95
54) o-Xylene	10.12	106	208439	4.508	ug/L	99
55) Styrene	10.13	104	354047	4.561	ug/L	99
56) Isopropylbenzene	10.50	105	519527	4.374	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	121333	4.645	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	93857	4.720	ug/L	99
61) Bromoform	10.31	173	50991	4.762	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	238167	4.621	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	237754	4.552	ug/L	97
65) 1,2-Dichlorobenzene	12.22	146	232987	4.699	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.01	75	18759	4.629	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	167043	4.466	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	153256	4.518	ug/L	98
69) Naphthalene	14.11	128	341041	4.776	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	144332	4.578	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.194 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038078.D

Acq: 08 May 2020 07:18

Instrument :

MSVOA_U

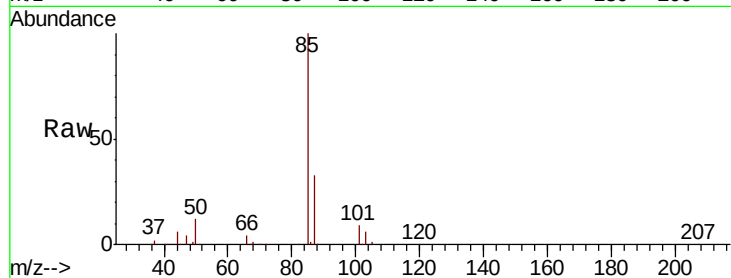
ClientSampled :

Tot Ion: 85 Resp: 134500

Ion Ratio Lower Upper

85 100

87 33.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038078.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU038078.D (-1) (-)

1.39

150000

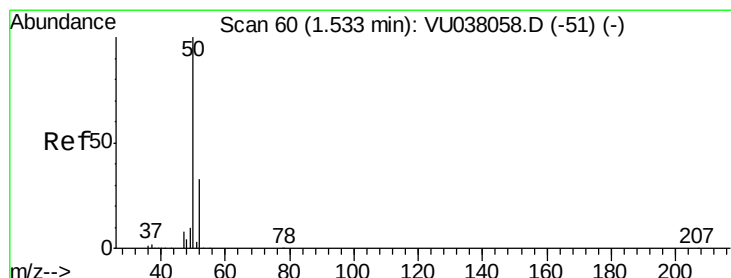
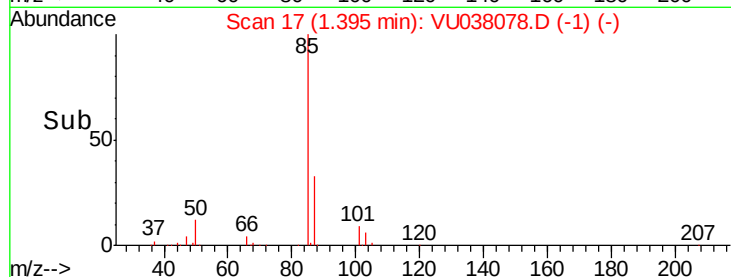
100000

50000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 4.526 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038078.D

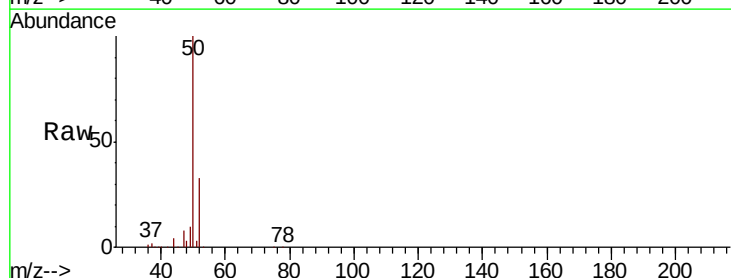
Acq: 08 May 2020 07:18

Tgt Ion: 50 Resp: 174936

Ion Ratio Lower Upper

50 100

52 32.9 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU038078.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU038078.D (-1) (-)

1.53

150000

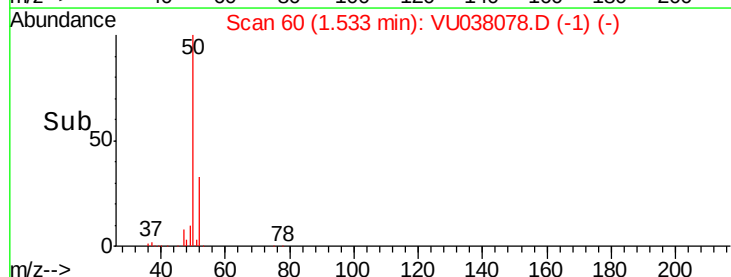
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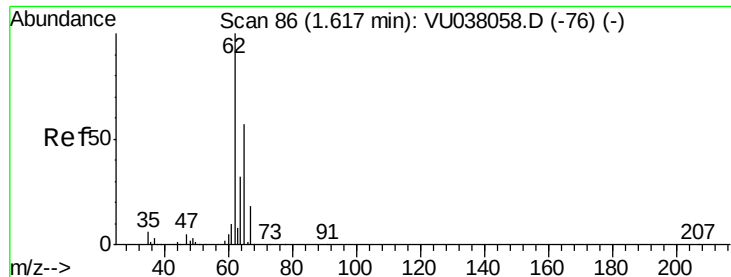
50000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 4.601 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038078.D

Acq: 08 May 2020 07:18

Instrument :

MSVOA_U

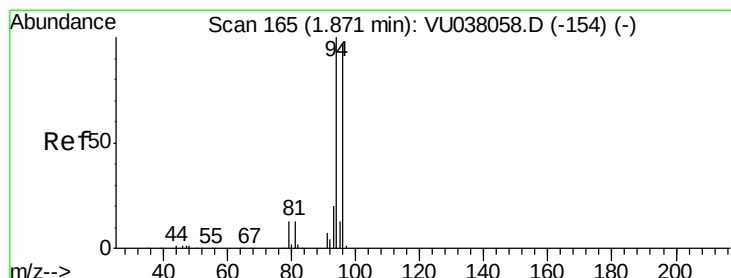
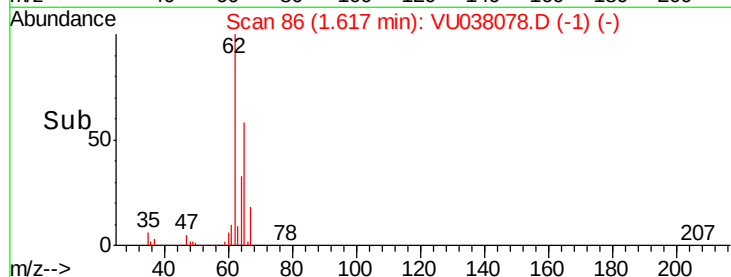
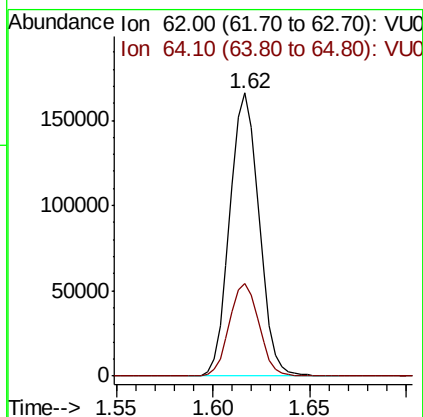
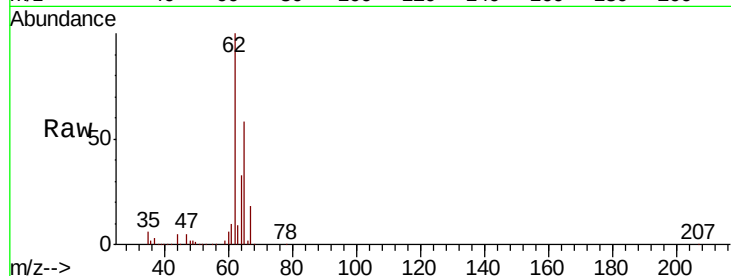
ClientSampled :

Tot Ion: 62 Resp: 174238

Ion Ratio Lower Upper

62 100

64 32.9 22.8 42.4



#6

Bromomethane

Concen: 4.131 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU038078.D

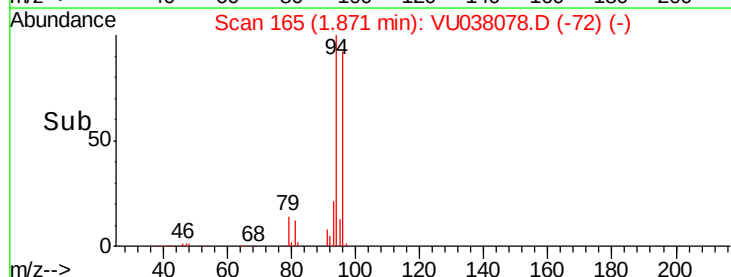
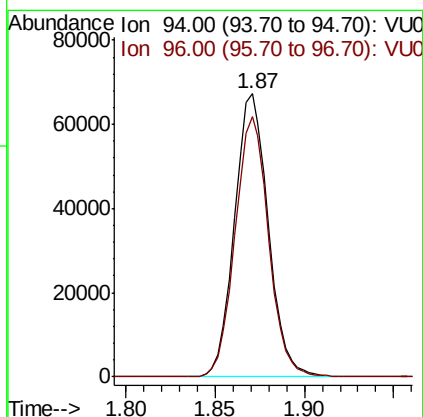
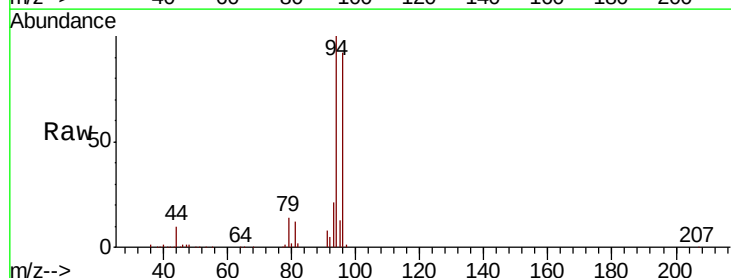
Acq: 08 May 2020 07:18

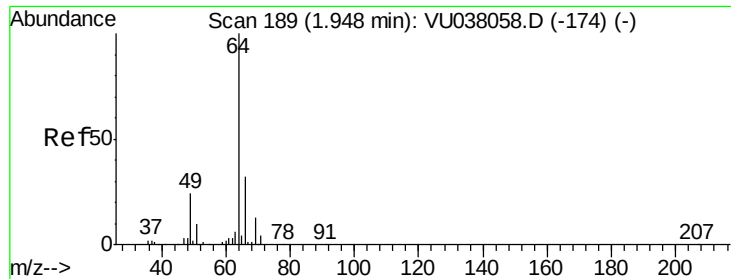
Tgt Ion: 94 Resp: 89068

Ion Ratio Lower Upper

94 100

96 92.0 65.0 120.8

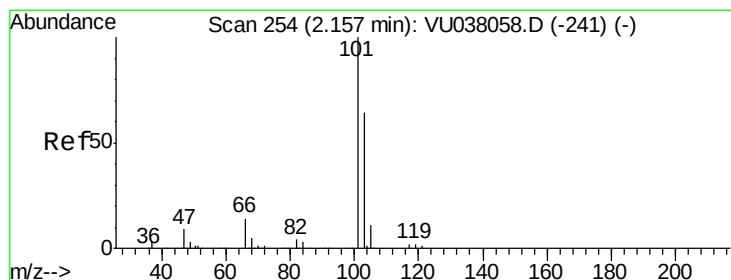
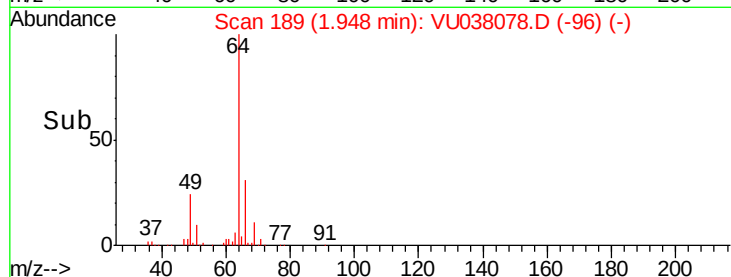
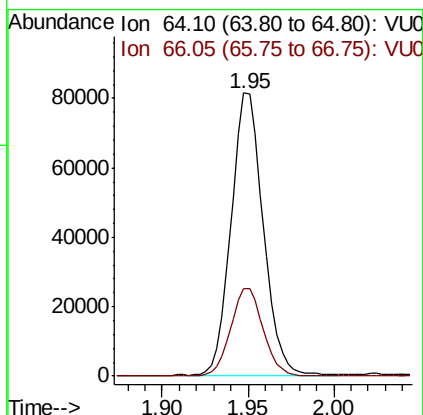
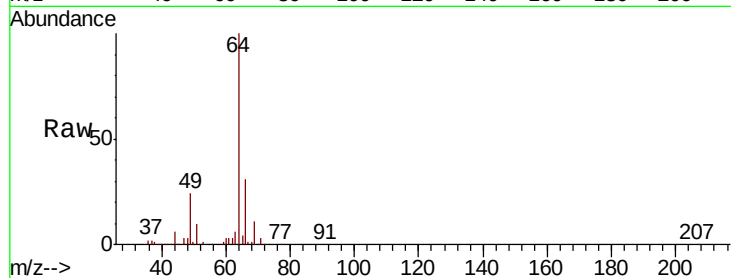




#8
Chloroethane
Concen: 4.497 ug/L
RT: 1.95 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU038078.D
Acq: 08 May 2020 07:18

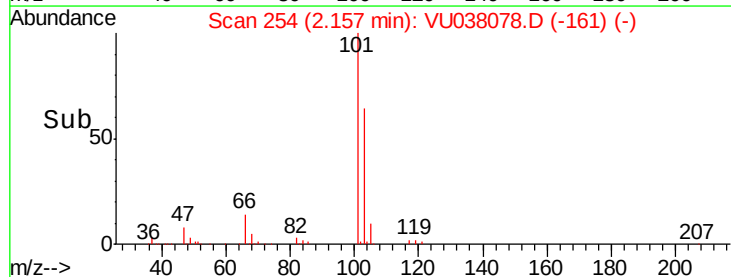
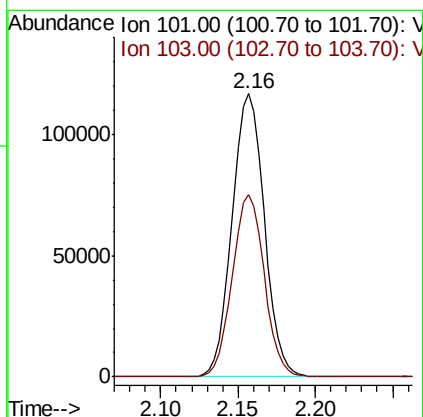
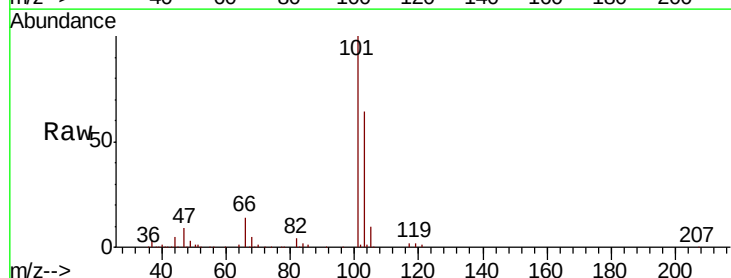
Instrument :
MSVOA_U
ClientSampleId :

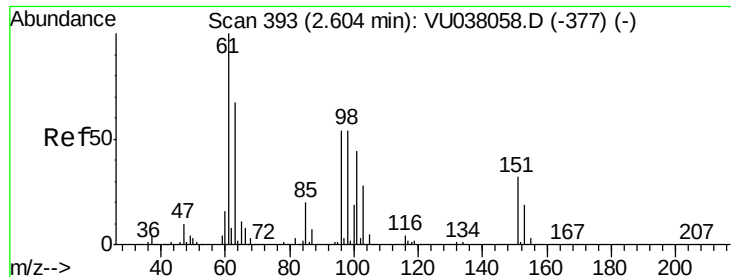
Tot Ion: 64 Resp: 104748
Ion Ratio Lower Upper
64 100
66 30.9 21.8 40.4



#9
Trichlorofluoromethane
Concen: 4.357 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU038078.D
Acq: 08 May 2020 07:18

Tgt Ion: 101 Resp: 168723
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.4





#10

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

Concen: 4.064 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038078.D

Acq: 08 May 2020 07:18

Instrument :

MSVOA_U

ClientSampleId :

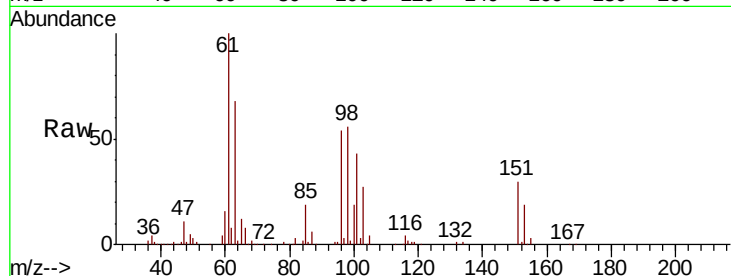
Tot Ion:101 Resp: 97576

Ion Ratio Lower Upper

101 100

85 42.5 35.3 52.9

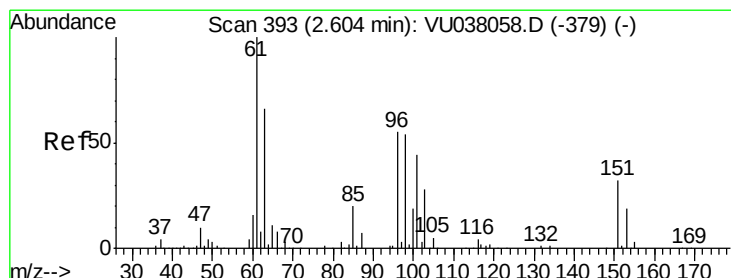
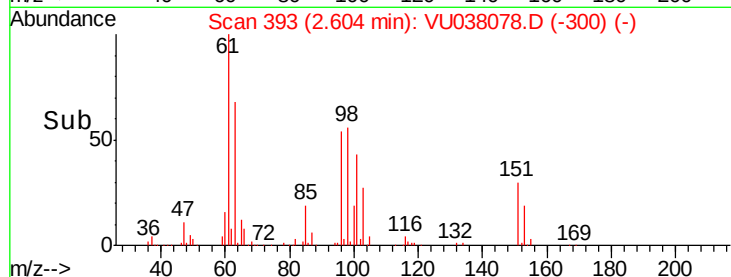
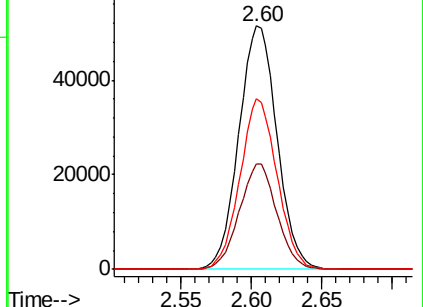
151 68.1 54.2 81.2



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: 4.299 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038078.D

Acq: 08 May 2020 07:18

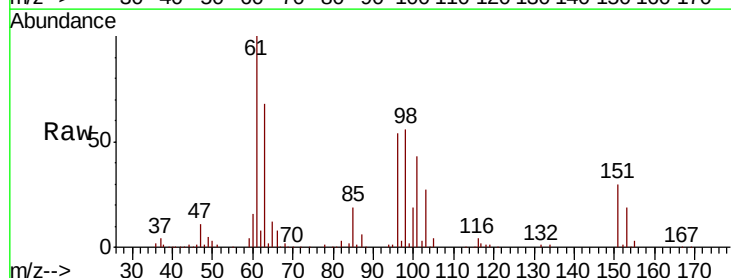
Tgt Ion: 96 Resp: 104628

Ion Ratio Lower Upper

96 100

61 186.2 126.2 234.4

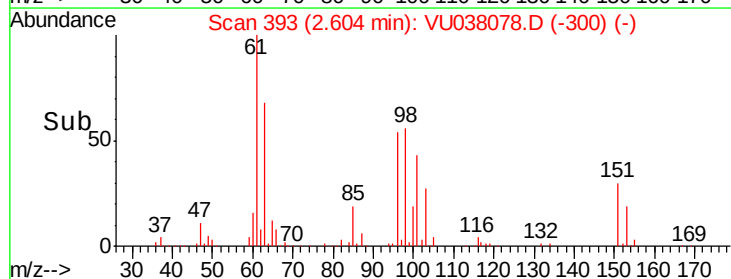
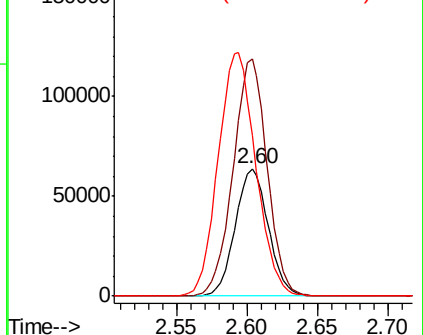
63 125.8 96.9 179.9

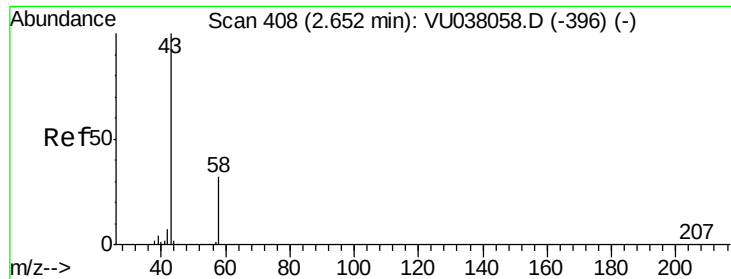


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.340 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.00 min

Lab File: VU038078.D

Acq: 08 May 2020 07:18

Instrument :

MSVOA_U

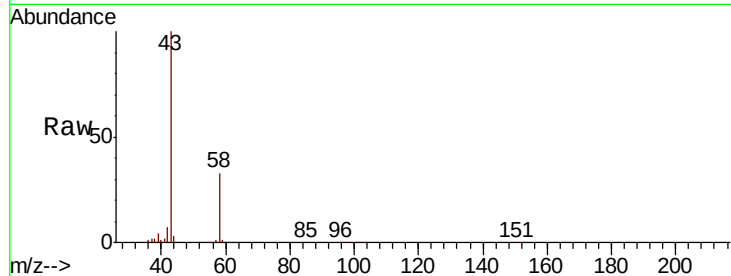
ClientSampleId :

Tot Ion: 43 Resp: 240020

Ion Ratio Lower Upper

43 100

58 32.0 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038058.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU038058.D (-396) (-)

2.65

150000

100000

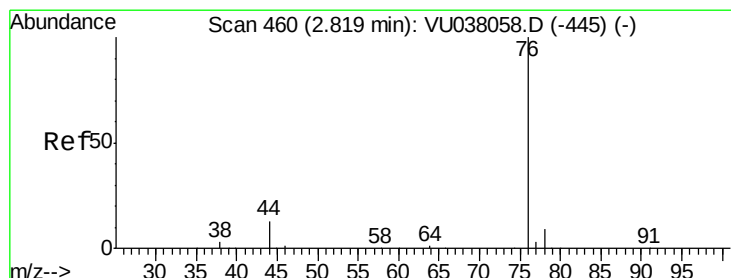
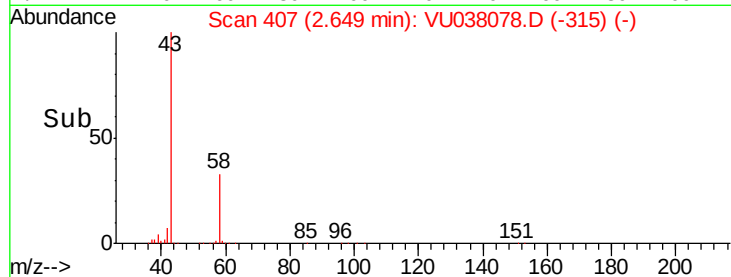
50000

0

2.60

2.70

Time-->



#14

Carbon disulfide

Concen: 4.136 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038078.D

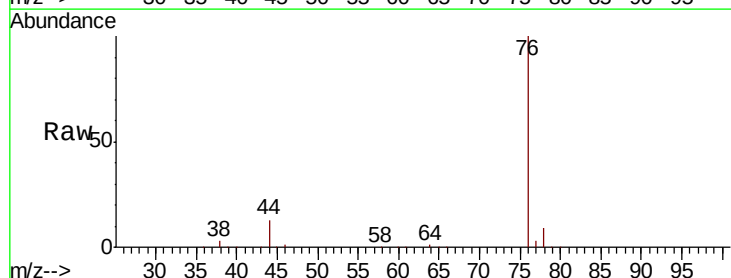
Acq: 08 May 2020 07:18

Tgt Ion: 76 Resp: 359048

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038058.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU038058.D (-445) (-)

250000

200000

150000

100000

50000

0

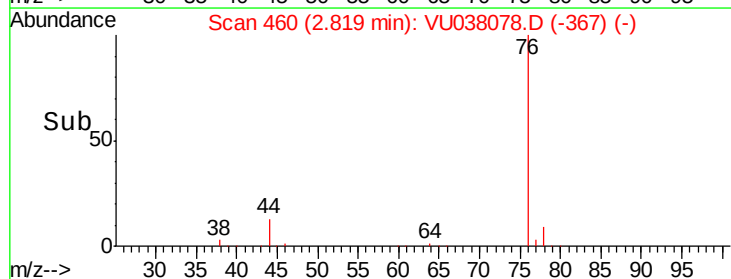
2.75

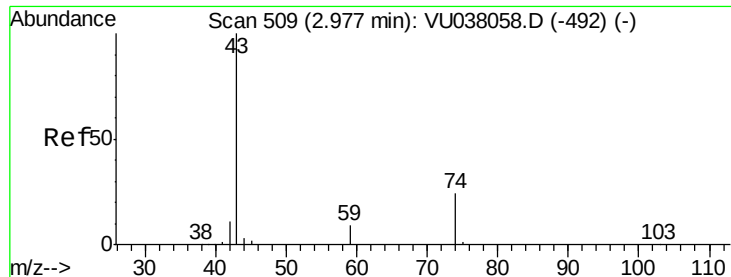
2.80

2.85

2.90

Time-->

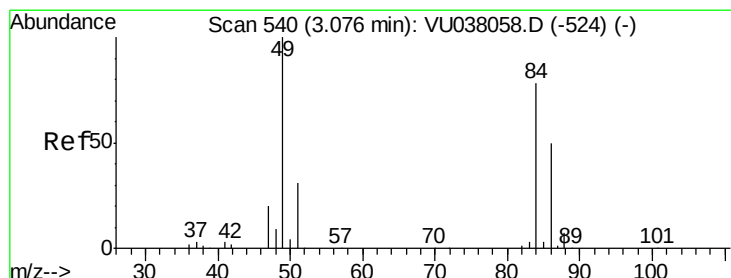
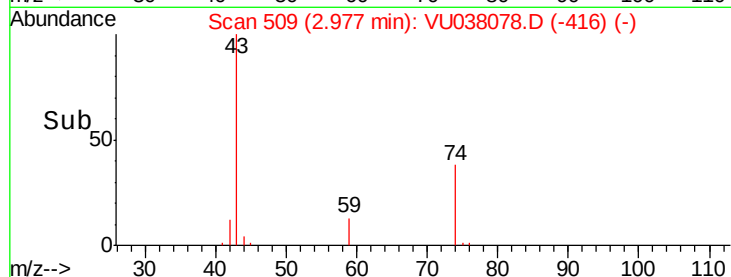
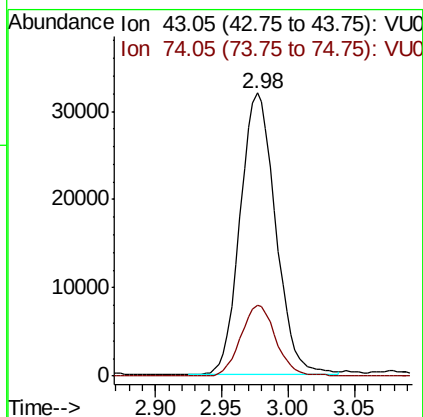
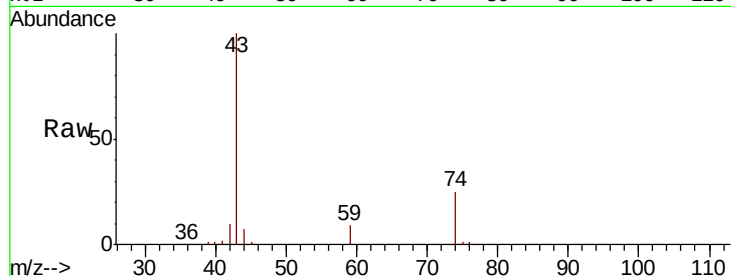




#15
Methvl Acetate
Concen: 4.290 ug/L
RT: 2.98 min Scan# 509
Delta R.T. 0.00 min
Lab File: VU038078.D
Acq: 08 May 2020 07:18

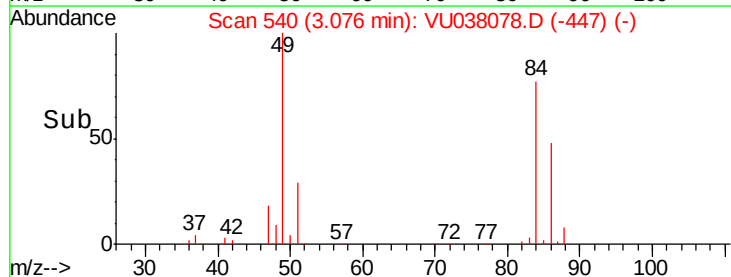
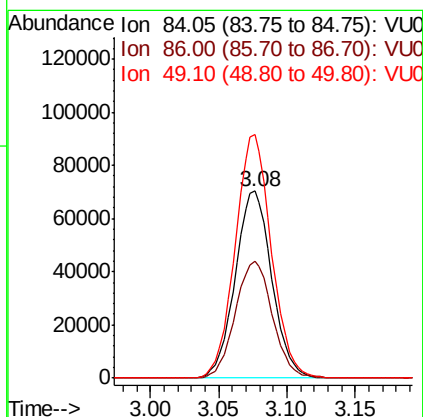
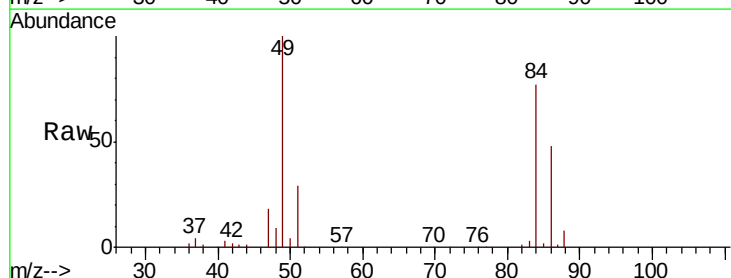
Instrument :
MSVOA_U
ClientSampleId :

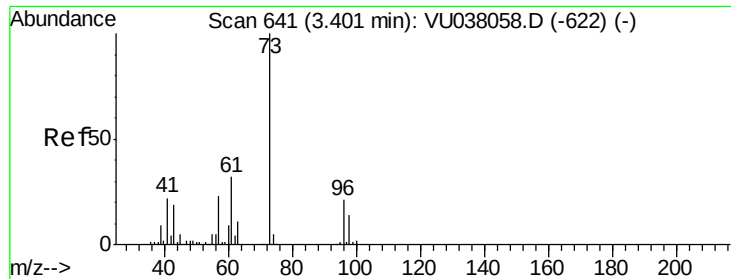
Tot Ion: 43 Resp: 59587
Ion Ratio Lower Upper
43 100
74 24.8 18.0 27.0



#16
Methylene chloride
Concen: 4.619 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038078.D
Acq: 08 May 2020 07:18

Tgt Ion: 84 Resp: 131035
Ion Ratio Lower Upper
84 100
86 62.5 44.9 83.3
49 130.3 92.0 170.9

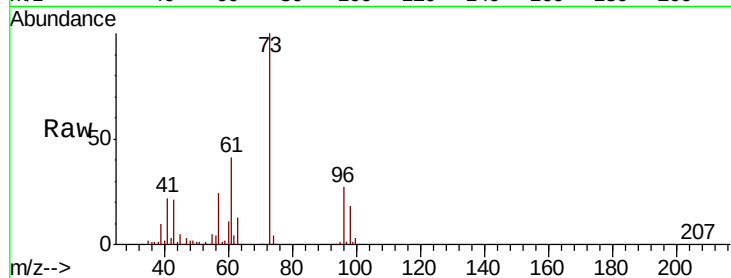




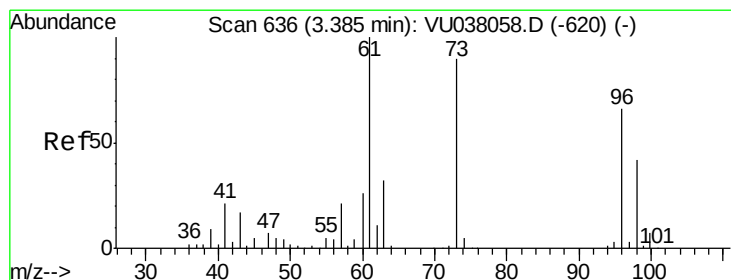
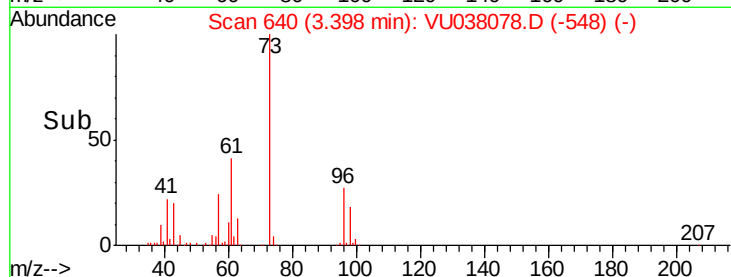
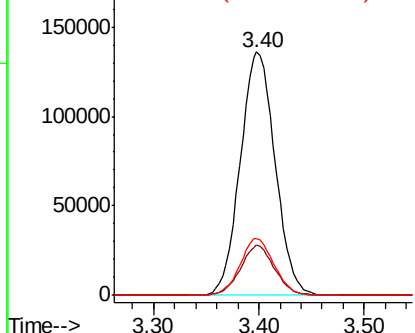
#17
Methyl tert-butyl Ether
Concen: 4.625 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU038078.D
Acq: 08 May 2020 07:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 312728
Ion Ratio Lower Upper
73 100
43 20.3 16.9 25.3
57 22.8 18.2 27.2

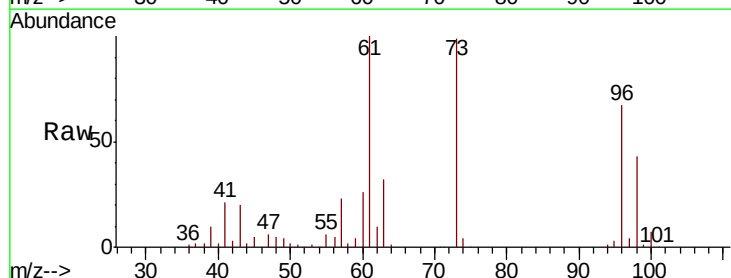


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

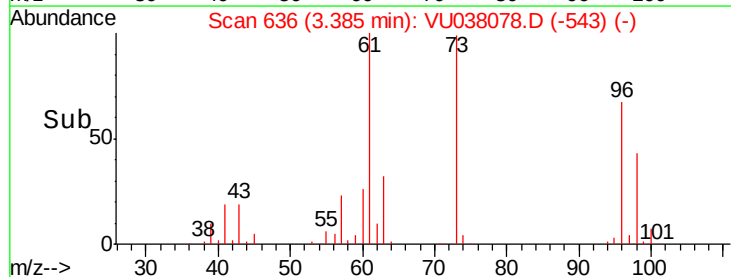
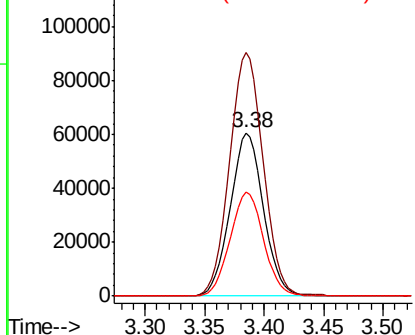


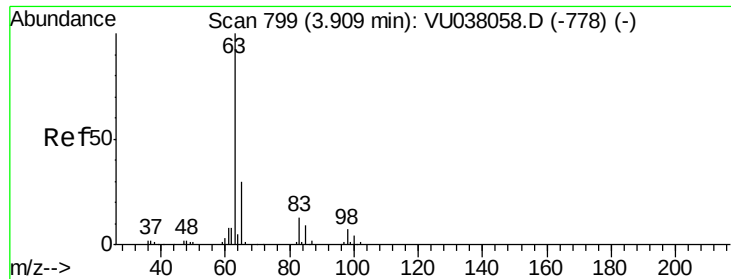
#18
trans-1,2-Dichloroethene
Concen: 4.411 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU038078.D
Acq: 08 May 2020 07:18

Tgt Ion: 96 Resp: 117191
Ion Ratio Lower Upper
96 100
61 149.1 102.1 189.5
98 63.6 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

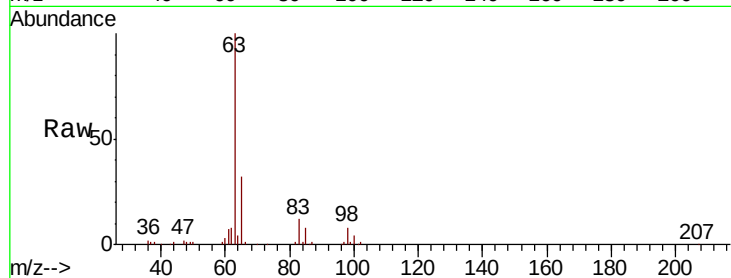




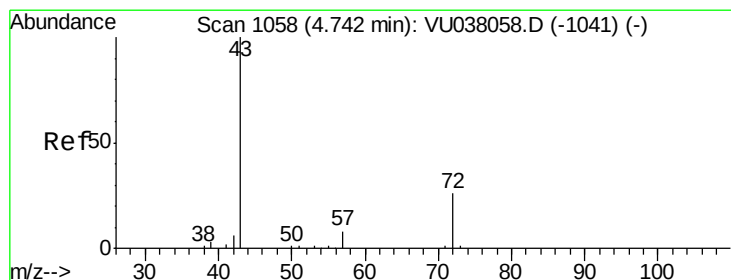
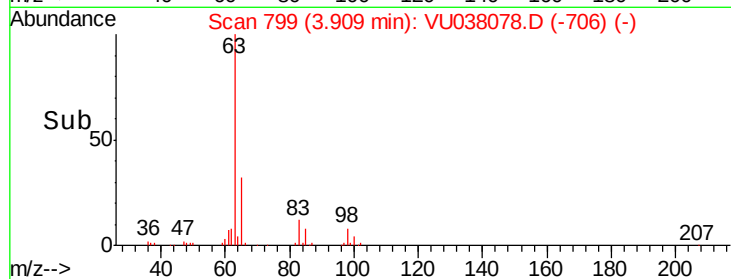
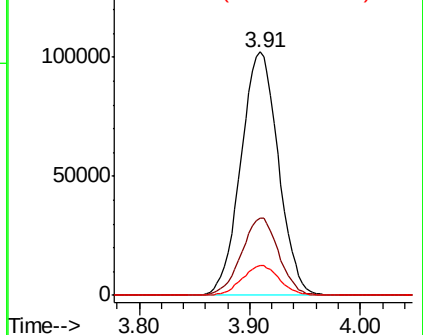
#19
 1,1-Dichloroethane
 Concen: 4.638 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU038078.D
 Acq: 08 May 2020 07:18

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 240678
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.5 41.7
 83 12.4 8.9 16.5

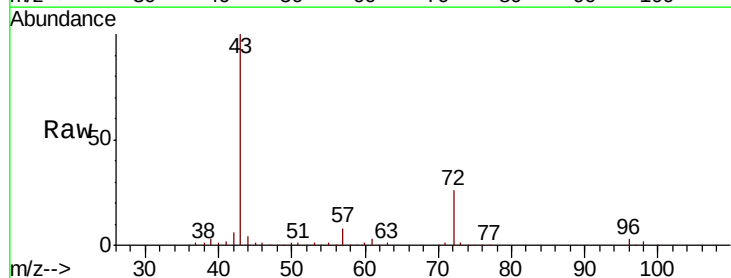


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

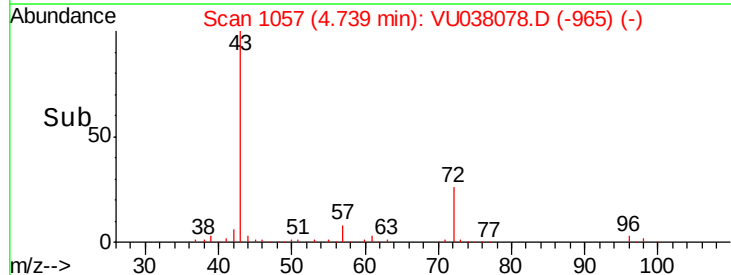
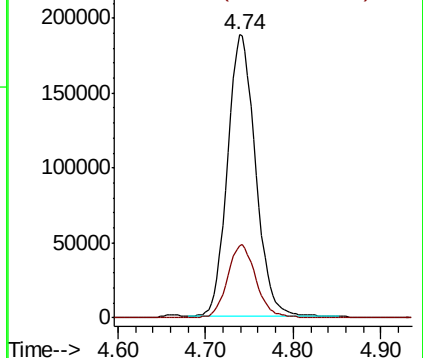


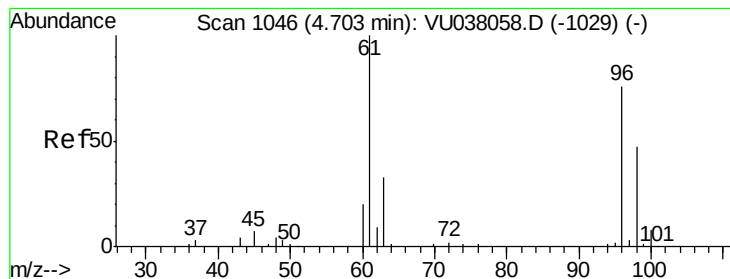
#21
 2-Butanone
 Concen: 47.859 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VU038078.D
 Acq: 08 May 2020 07:18

Tgt Ion: 43 Resp: 419440
 Ion Ratio Lower Upper
 43 100
 72 26.7 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.576 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038078.D

Acq: 08 May 2020 07:18

Instrument :
MSVOA_U
ClientSampled :

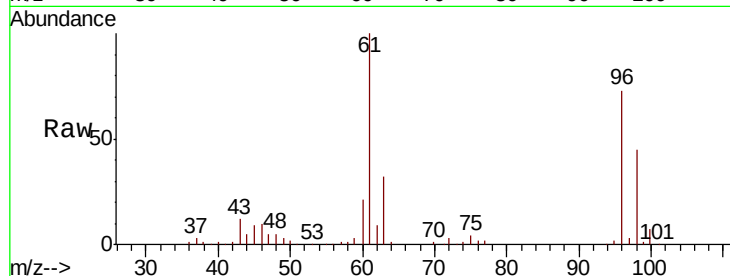
Tot Ion: 96 Resp: 131010

Ion Ratio Lower Upper

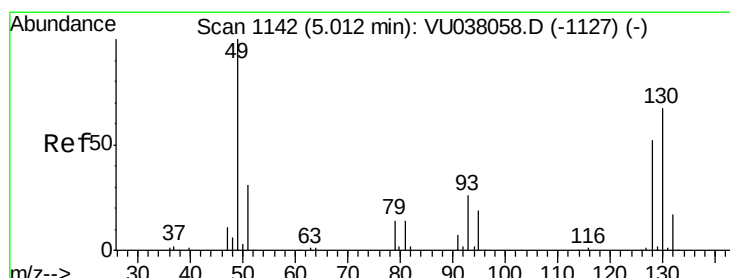
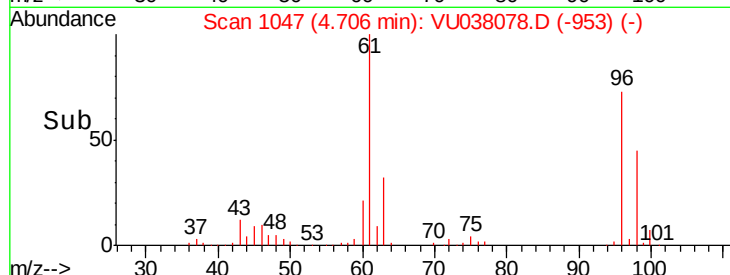
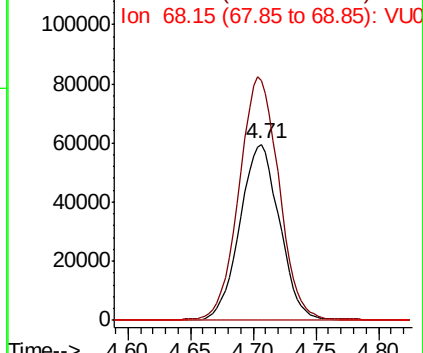
96 100

61 136.4 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: 4.706 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038078.D

Acq: 08 May 2020 07:18

Tgt Ion: 128 Resp: 57984

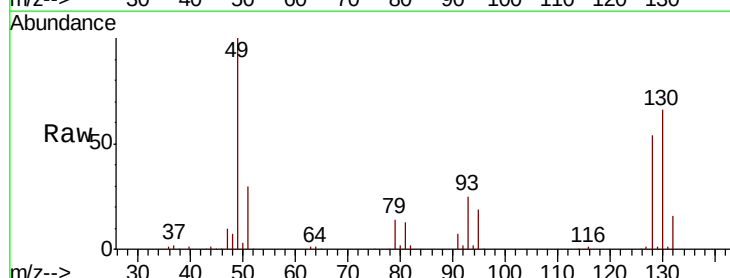
Ion Ratio Lower Upper

128 100

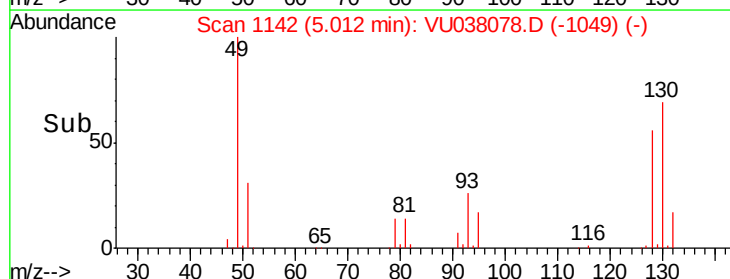
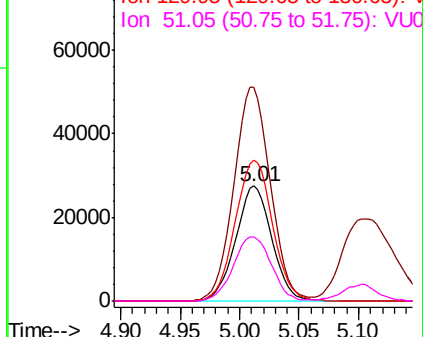
49 185.9 135.6 251.8

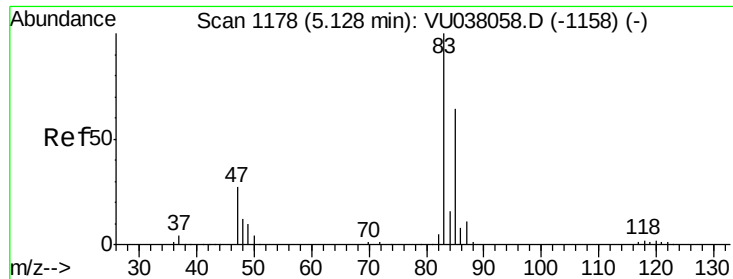
130 122.6 91.4 169.8

51 56.1 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

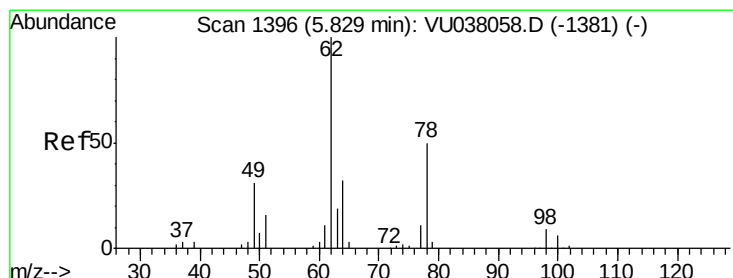
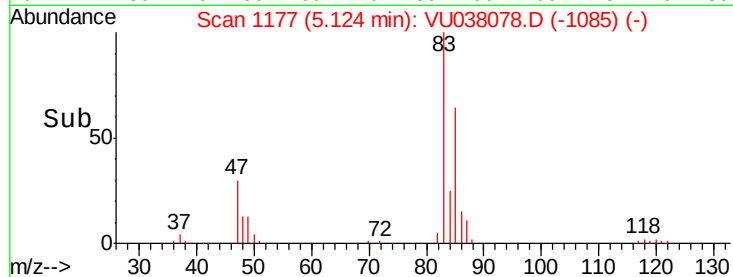
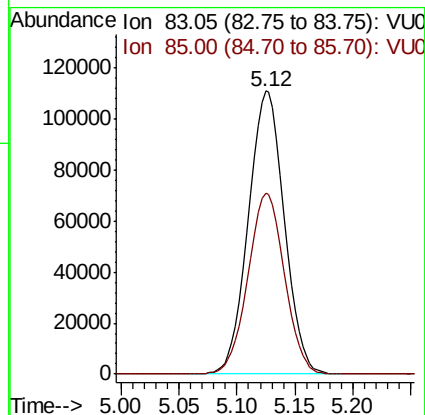
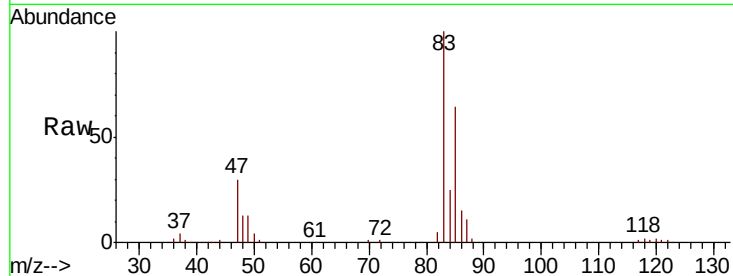




#25
Chloroform
Concen: 4.961 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038078.D
Acq: 08 May 2020 07:18

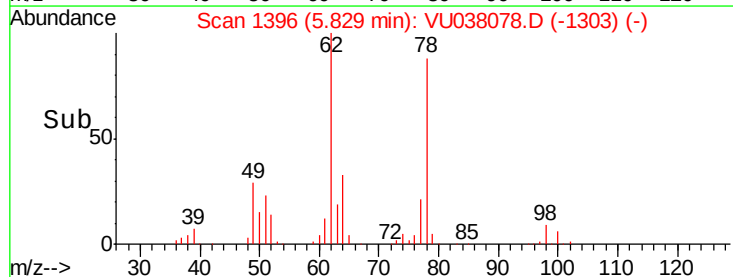
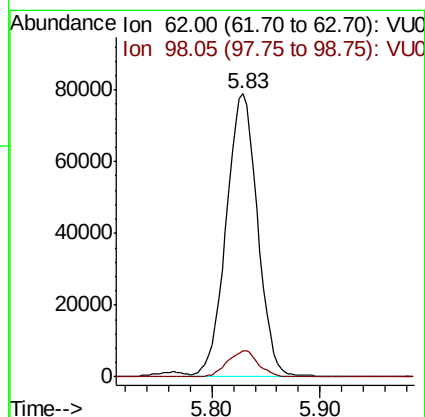
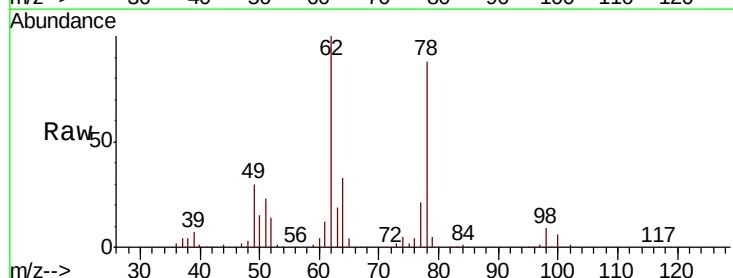
Instrument :
MSVOA_U
ClientSampleId :

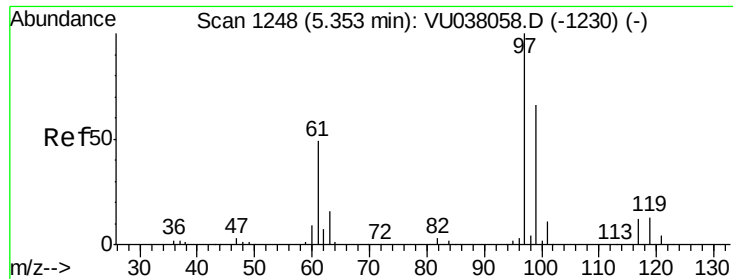
Tot Ion: 83 Resp: 240139
Ion Ratio Lower Upper
83 100
85 63.9 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.685 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038078.D
Acq: 08 May 2020 07:18

Tgt Ion: 62 Resp: 160076
Ion Ratio Lower Upper
62 100
98 9.0 7.8 11.8

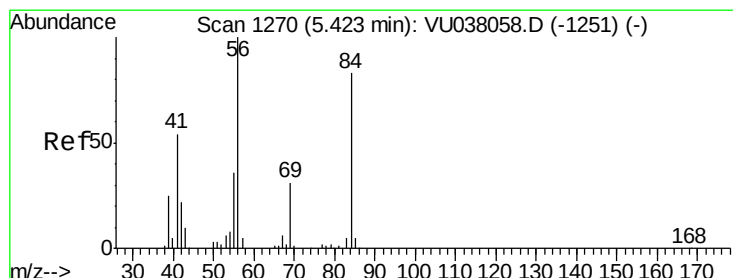
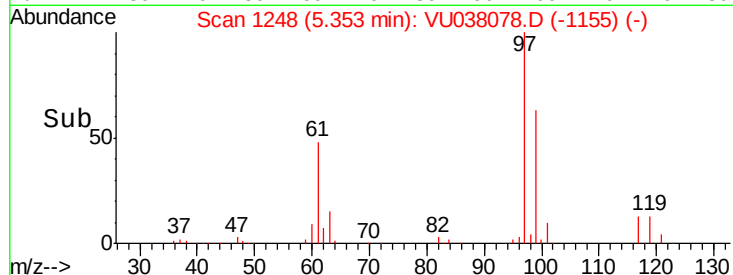
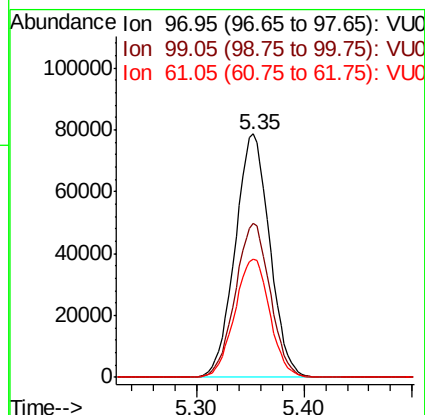
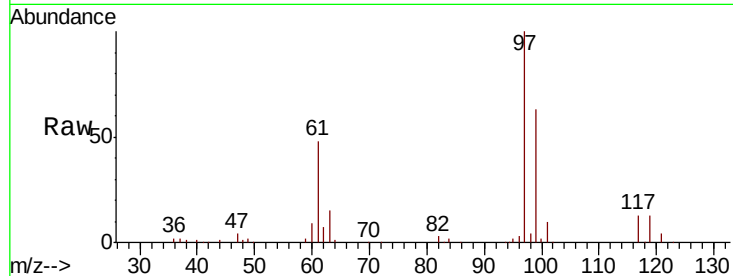




#29
 1,1,1-Trichloroethane
 Concen: 4.488 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038078.D
 Acq: 08 May 2020 07:18

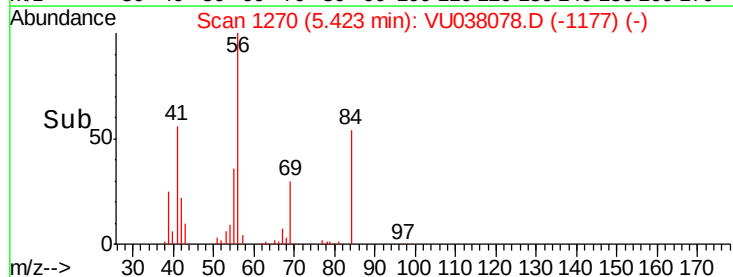
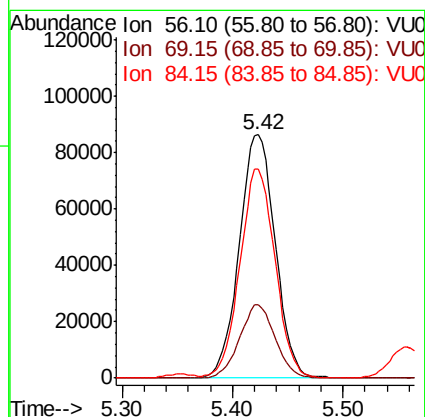
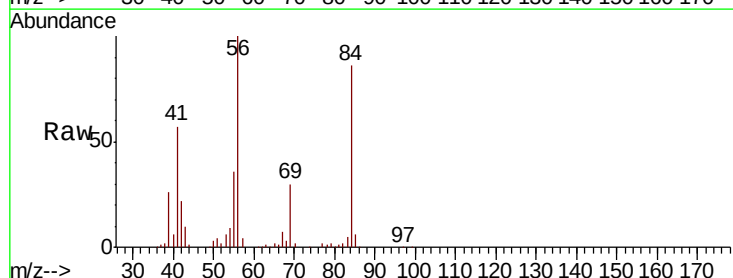
Instrument :
 MSVOA_U
 ClientSampled :

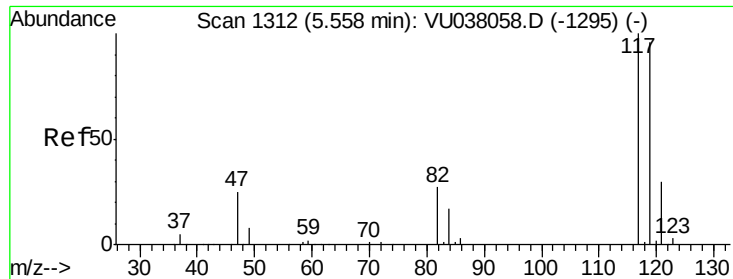
Tot Ion: 97 Resp: 175112
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.0 76.4
 61 49.2 38.2 57.4



#30
 Cyclohexane
 Concen: 4.231 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038078.D
 Acq: 08 May 2020 07:18

Tgt Ion: 56 Resp: 194943
 Ion Ratio Lower Upper
 56 100
 69 29.7 24.2 36.4
 84 84.3 68.5 102.7





#31

Carbon tetrachloride

Concen: 4.255 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038078.D

Acq: 08 May 2020 07:18

Instrument :

MSVOA_U

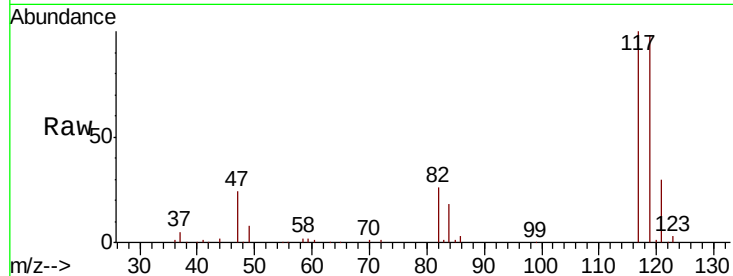
ClientSampleId :

Tot Ion:117 Resp: 133437

Ion Ratio Lower Upper

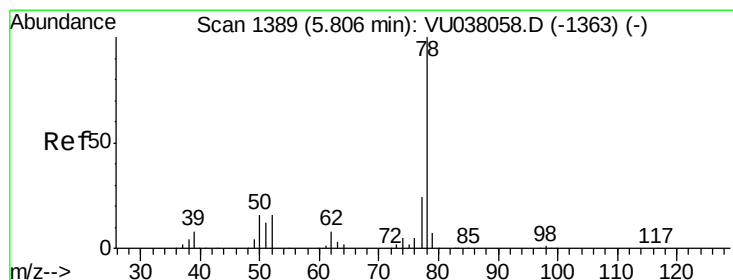
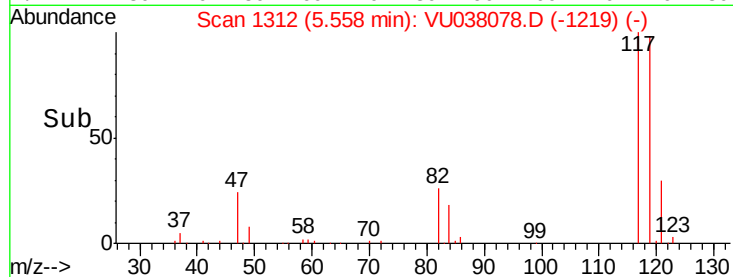
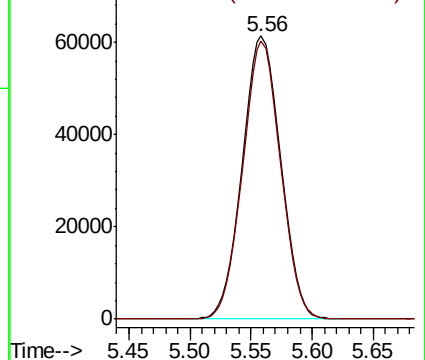
117 100

119 96.7 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: 4.668 ug/L

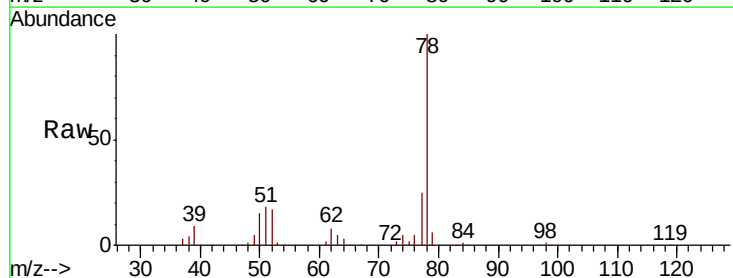
RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

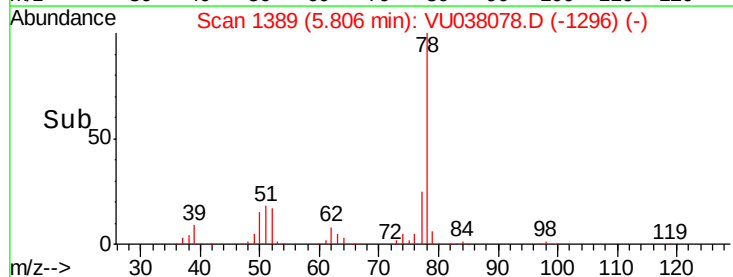
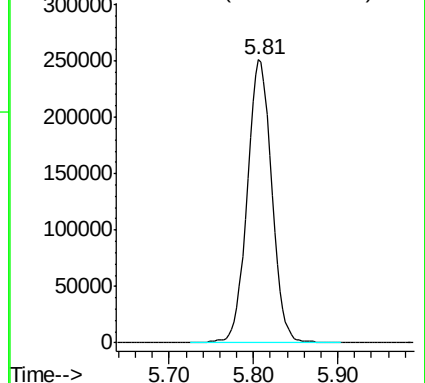
Lab File: VU038078.D

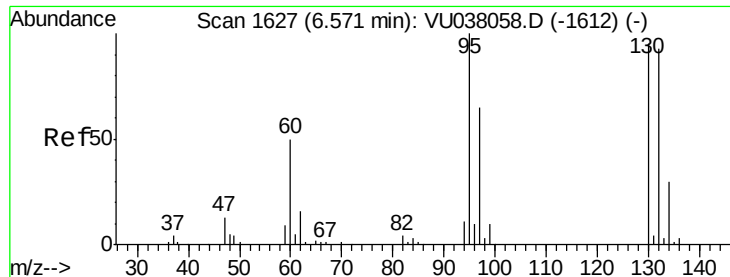
Acq: 08 May 2020 07:18

Tgt Ion: 78 Resp: 509157



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.427 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038078.D

Acq: 08 May 2020 07:18

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 120771

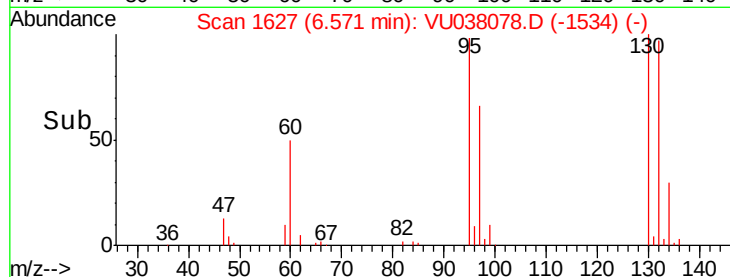
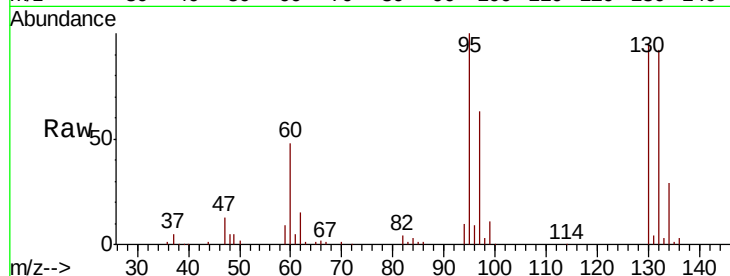
Ion Ratio Lower Upper

95 100

97 62.5 44.9 83.3

132 91.7 63.3 117.5

130 94.7 65.7 122.1



Abundance Ion 95.00 (94.70 to 95.70): VU038078.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU038078.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU038078.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU038078.D (-1534) (-)

Time-->

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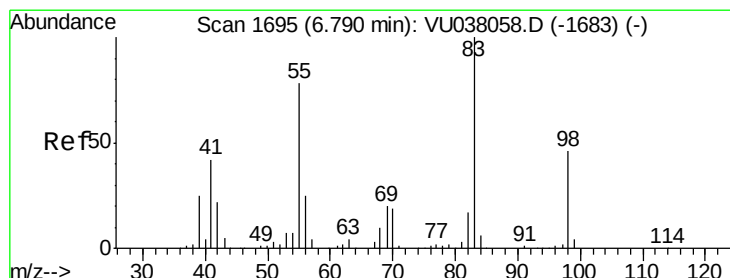
6.57

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6.57

6.57



#35

Methylcyclohexane

Concen: 4.076 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU038078.D

Acq: 08 May 2020 07:18

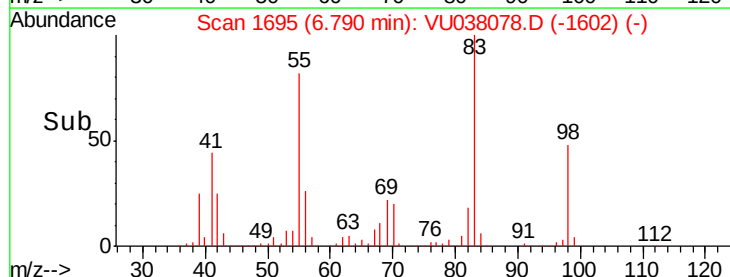
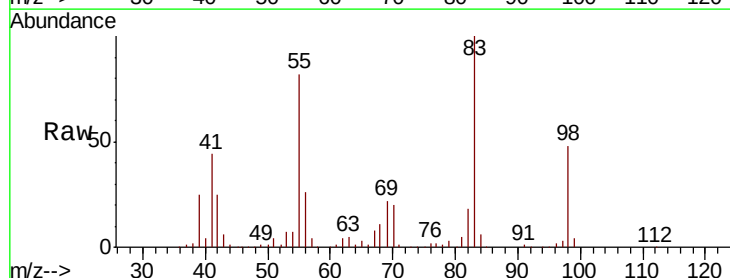
Tgt Ion: 83 Resp: 180113

Ion Ratio Lower Upper

83 100

55 82.1 66.7 100.1

98 49.2 39.4 59.2



Abundance Ion 83.15 (82.85 to 83.85): VU038078.D (-1602) (-)

Ion 55.10 (54.80 to 55.80): VU038078.D (-1602) (-)

Ion 98.15 (97.85 to 98.85): VU038078.D (-1602) (-)

Time-->

6.79

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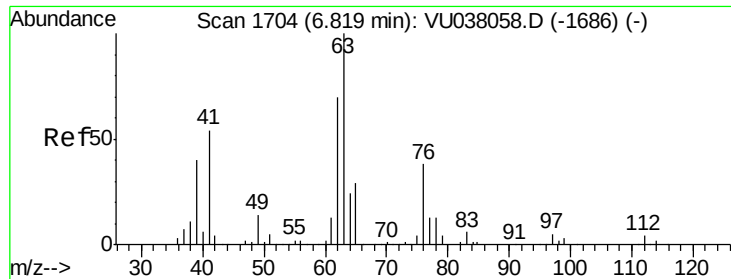
6.79

6.79

6.79

6.79

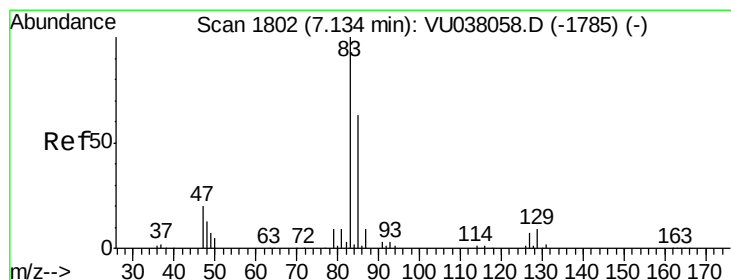
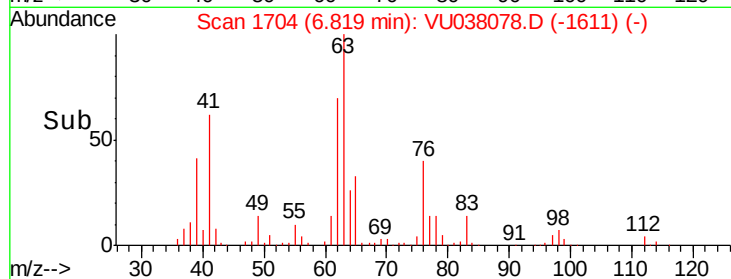
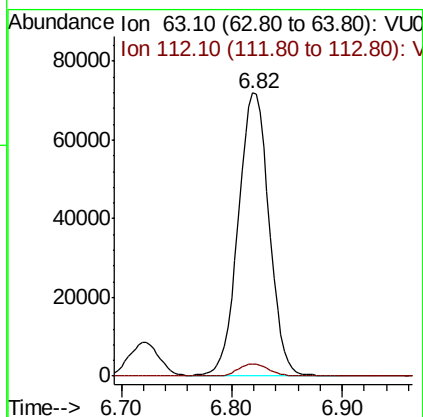
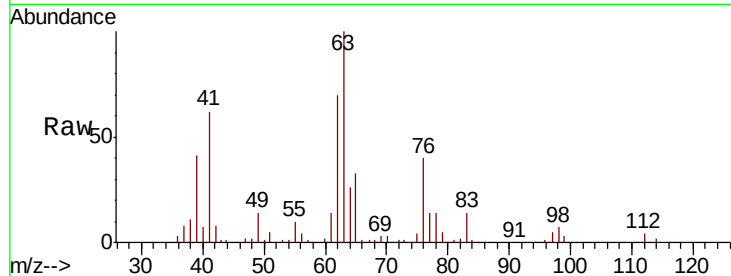
6.79



#37
 1,2-Dichloropropane
 Concen: 4.706 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VU038078.D
 Acq: 08 May 2020 07:18

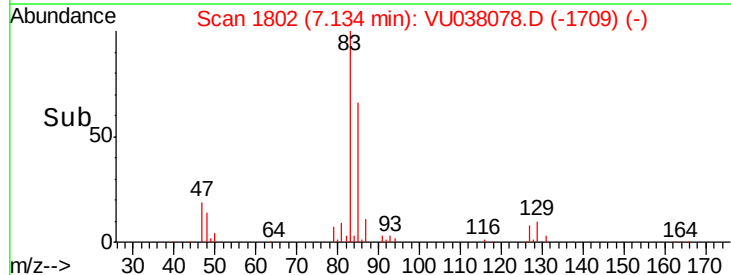
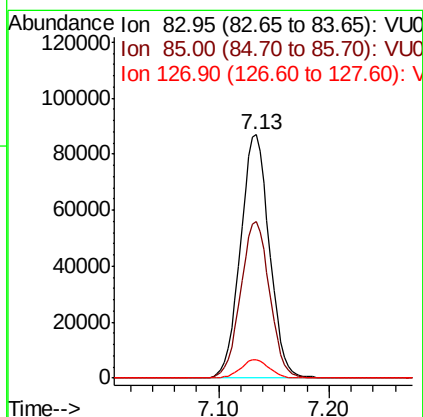
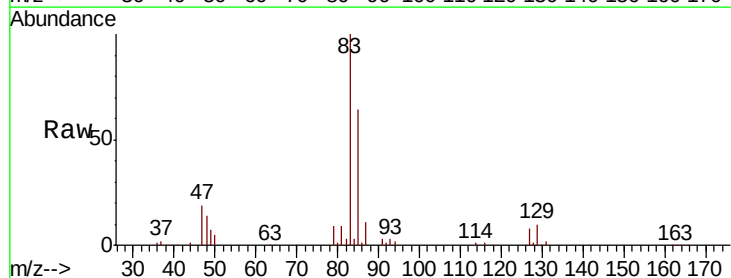
Instrument :
 MSVOA_U
 ClientSampled :

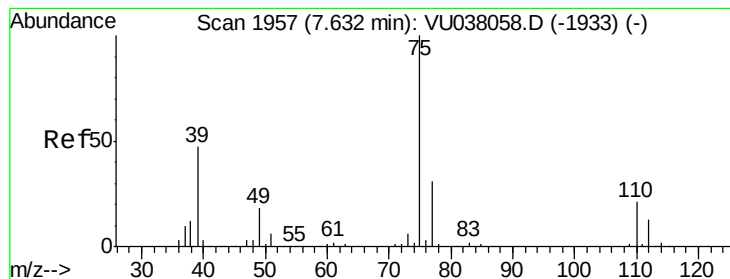
Tot Ion: 63 Resp: 139413
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.1 4.7



#38
 Bromodichloromethane
 Concen: 4.609 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038078.D
 Acq: 08 May 2020 07:18

Tgt Ion: 83 Resp: 157855
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.6 82.8
 127 7.6 6.4 9.6



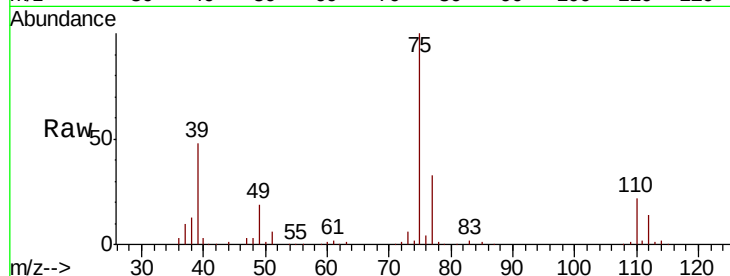


#39

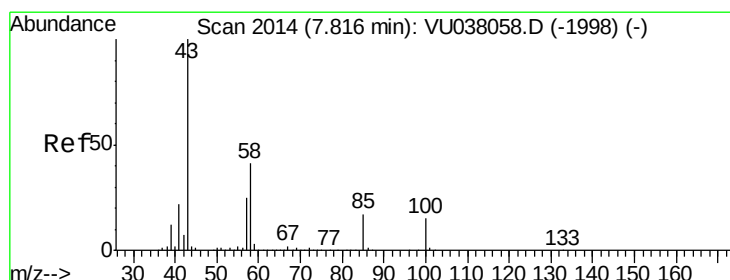
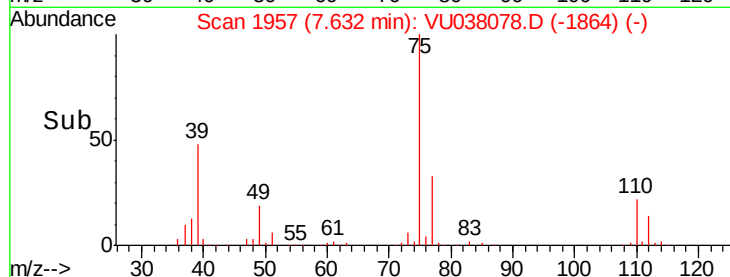
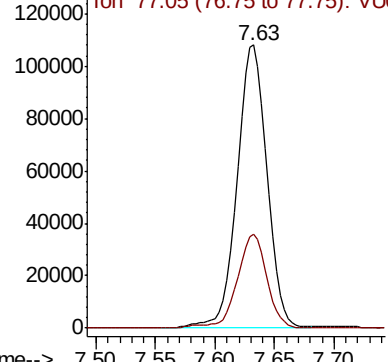
cis-1,3-Dichloropropene
Concen: 4.435 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU038078.D
Acq: 08 May 2020 07:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 188032
Ion Ratio Lower Upper
75 100
77 33.4 22.4 41.6



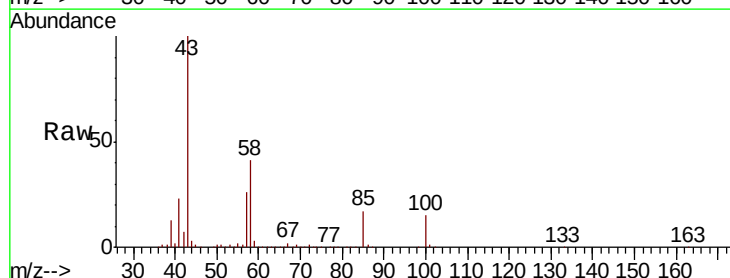
Abundance Ion 75.05 (74.75 to 75.75): VU038058.D (-1933) (-)
Ion 77.05 (76.75 to 77.75): VU038058.D (-1933) (-)



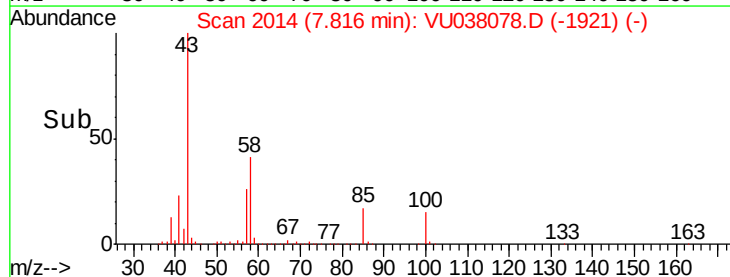
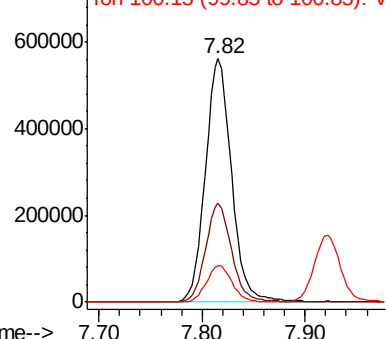
#40

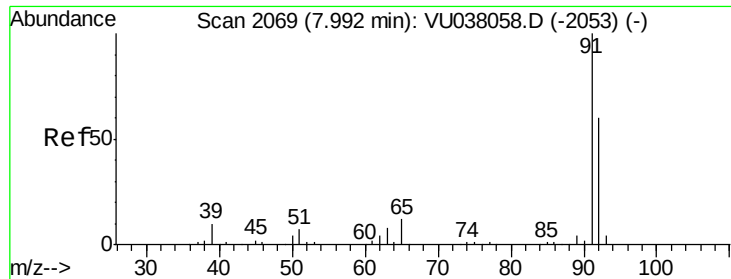
4-Methyl-2-pentanone
Concen: 48.295 ug/L
RT: 7.82 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VU038078.D
Acq: 08 May 2020 07:18

Tgt Ion: 43 Resp: 991592
Ion Ratio Lower Upper
43 100
58 40.4 32.2 48.4
100 15.1 12.1 18.1



Abundance Ion 43.05 (42.75 to 43.75): VU038058.D (-1998) (-)
Ion 58.05 (57.75 to 58.75): VU038058.D (-1998) (-)
Ion 100.15 (99.85 to 100.85): VU038058.D (-1998) (-)





#42

Toluene

Concen: 4.544 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038078.D

Acq: 08 May 2020 07:18

Instrument :

MSVOA_U

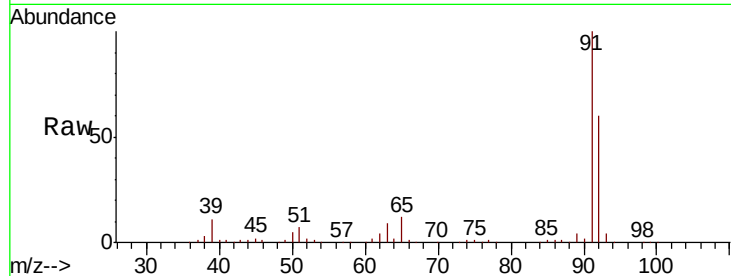
ClientSampleId :

Tot Ion: 91 Resp: 523142

Ion Ratio Lower Upper

91 100

92 60.2 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038058.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU038058.D (-2053) (-)

7.99

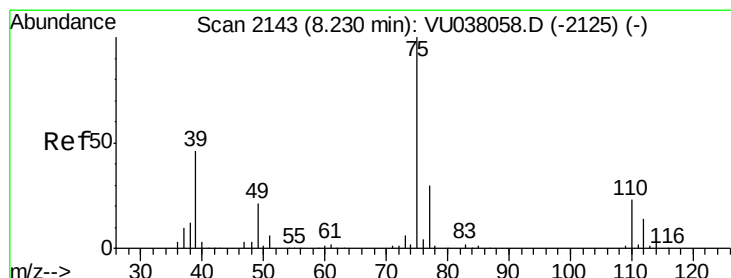
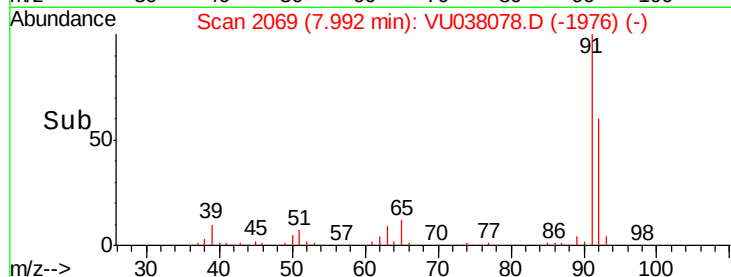
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.463 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU038078.D

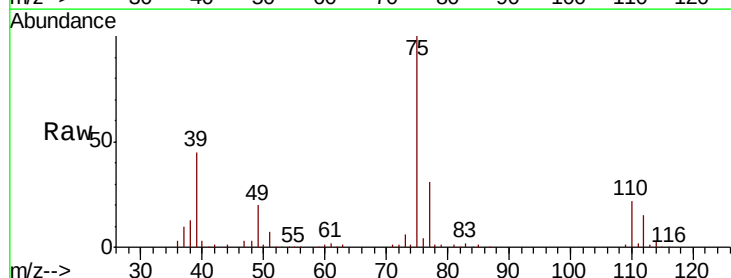
Acq: 08 May 2020 07:18

Tgt Ion: 75 Resp: 160908

Ion Ratio Lower Upper

75 100

77 31.4 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038058.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038058.D (-2125) (-)

8.23

100000

80000

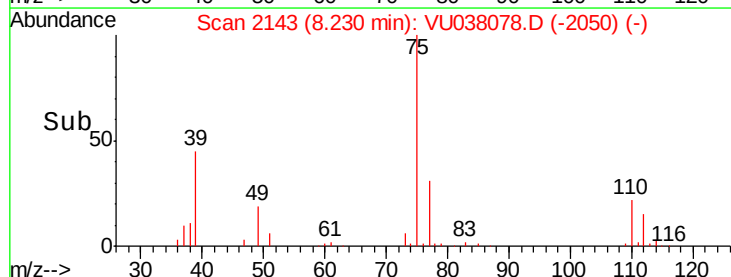
60000

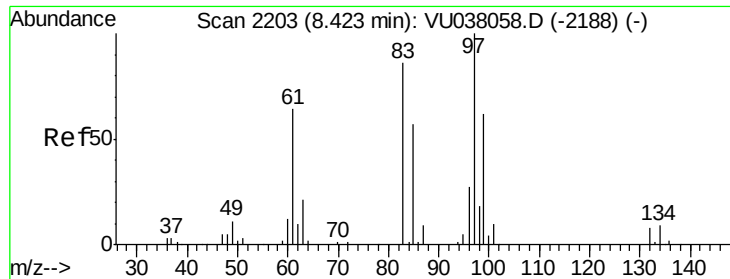
40000

20000

0

Time-->

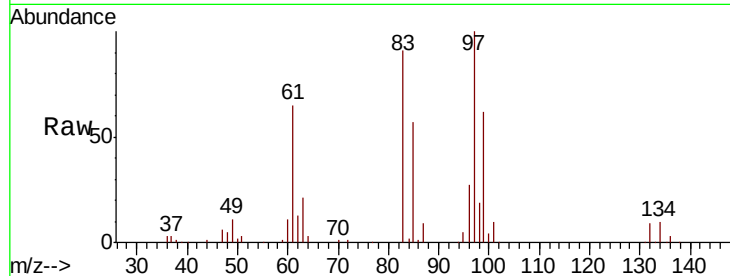




#45
1,1,2-Trichloroethane
Concen: 4.664 ug/L
RT: 8.42 min Scan# 2202
Delta R.T. -0.00 min
Lab File: VU038078.D
Acq: 08 May 2020 07:18

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	97	Resp:	95950
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.0	81.6
83	90.9	59.6	110.8
85	57.0	41.3	76.7



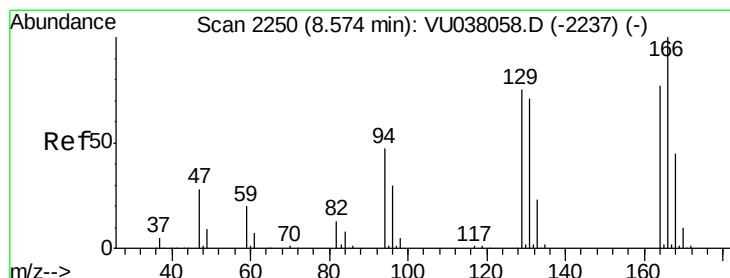
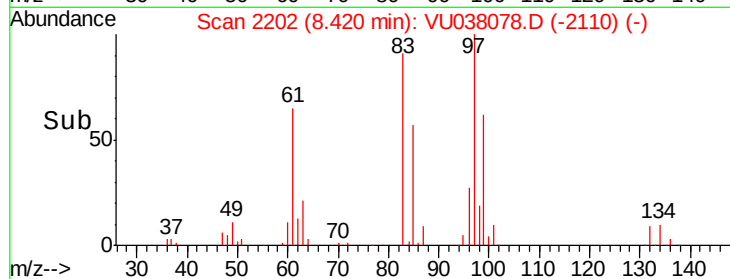
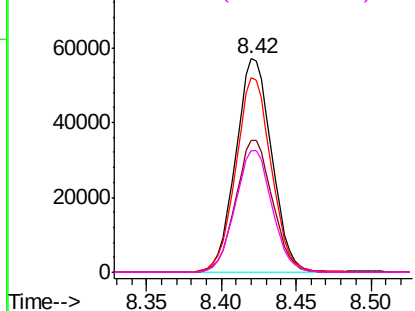
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

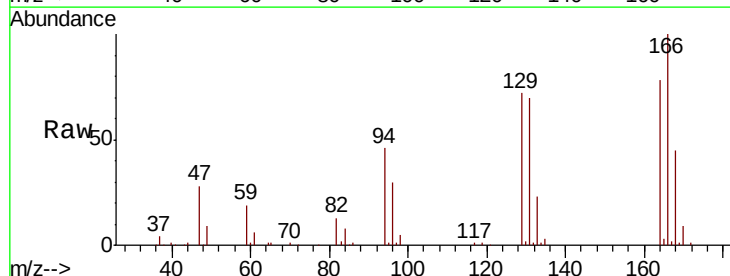
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
Tetrachloroethene
Concen: 4.254 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU038078.D
Acq: 08 May 2020 07:18

Tgt Ion:	164	Resp:	81158
Ion	Ratio	Lower	Upper
164	100		
129	93.4	68.8	127.8
131	89.7	66.8	124.2
166	128.9	88.9	165.1



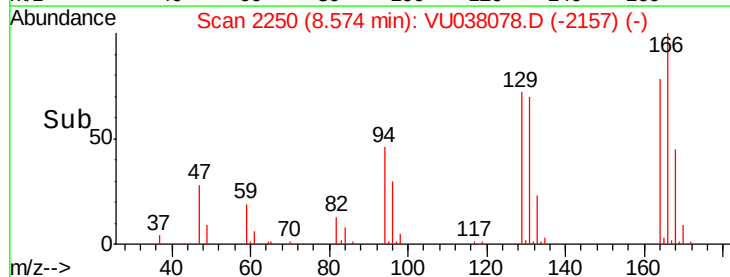
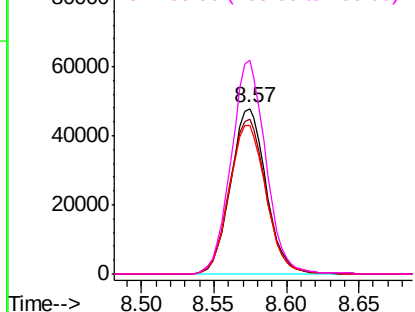
Abundance

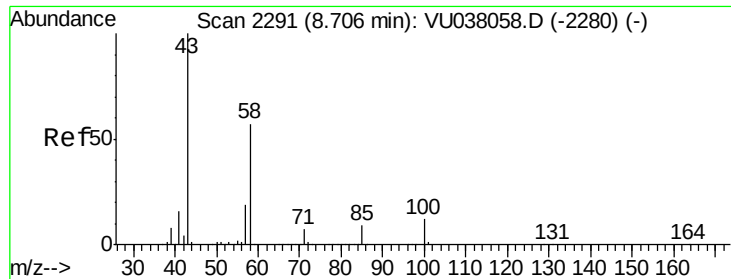
Ion 163.90 (163.60 to 164.60): V

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

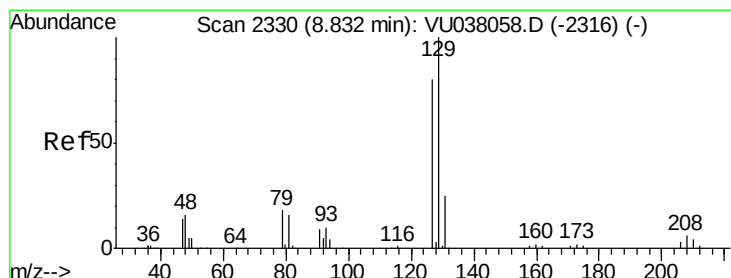
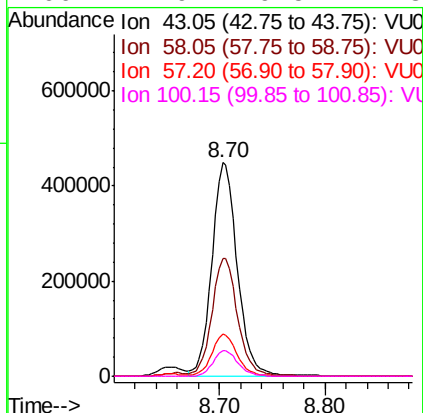
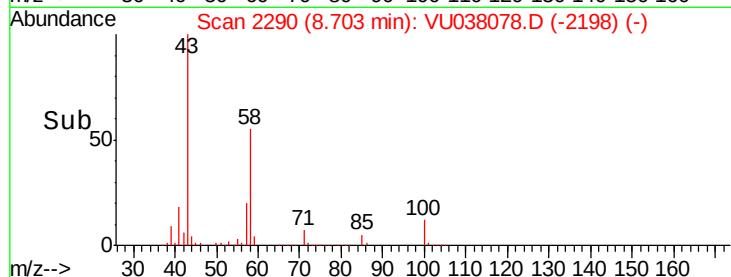
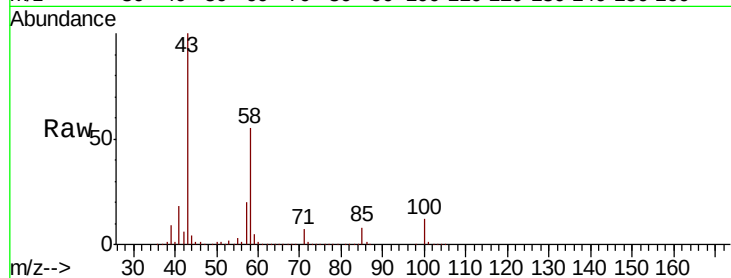




#48
2-Hexanone
Concen: 49.880 ug/L
RT: 8.70 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU038078.D
Acq: 08 May 2020 07:18

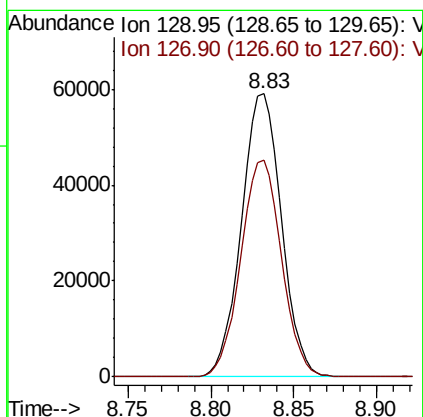
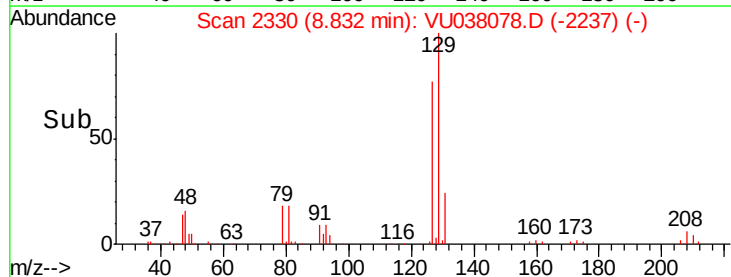
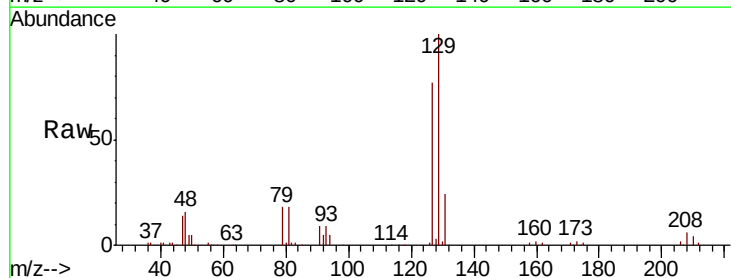
Instrument :
MSVOA_U
ClientSampleId :

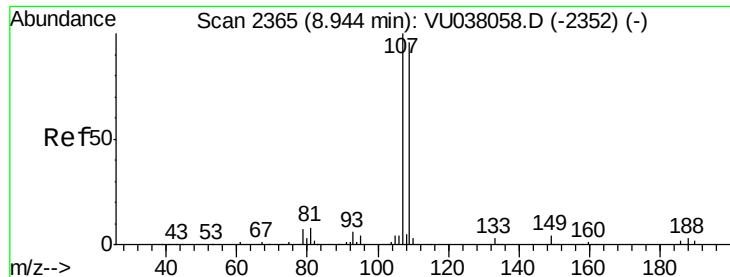
Tot Ion: 43 Resp: 750020
Ion Ratio Lower Upper
43 100
58 55.9 45.2 67.8
57 19.8 15.5 23.3
100 11.9 9.5 14.3



#49
Dibromochloromethane
Concen: 4.660 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038078.D
Acq: 08 May 2020 07:18

Tgt Ion: 129 Resp: 99498
Ion Ratio Lower Upper
129 100
127 76.6 55.6 103.4

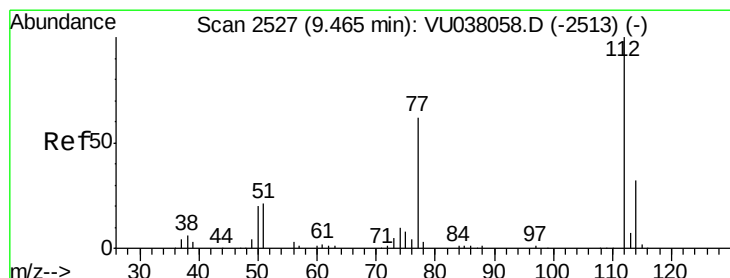
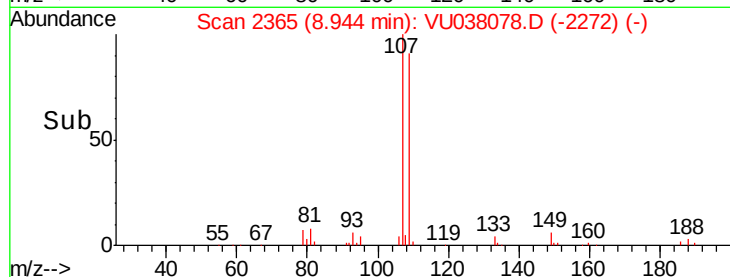
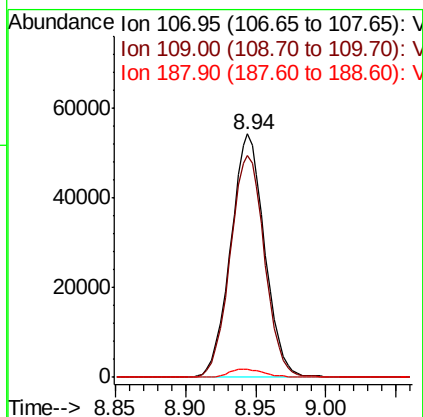
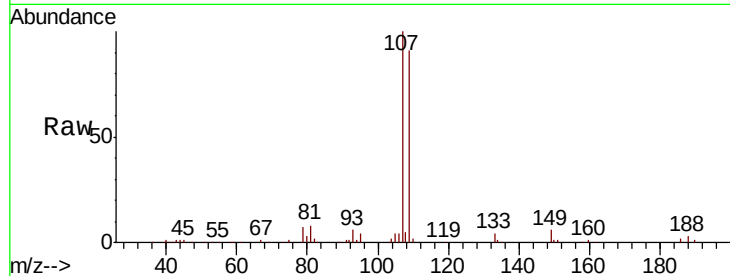




#50
1,2-Dibromoethane
Concen: 4.787 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VU038078.D
Acq: 08 May 2020 07:18

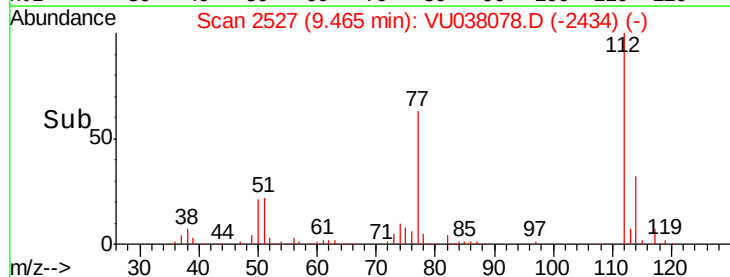
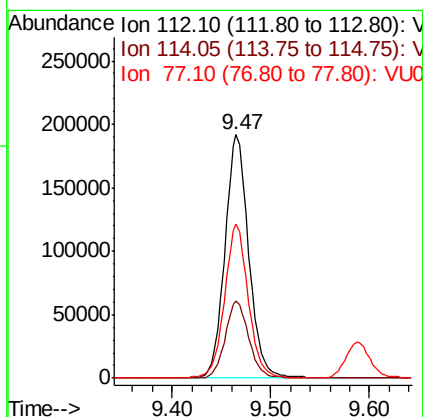
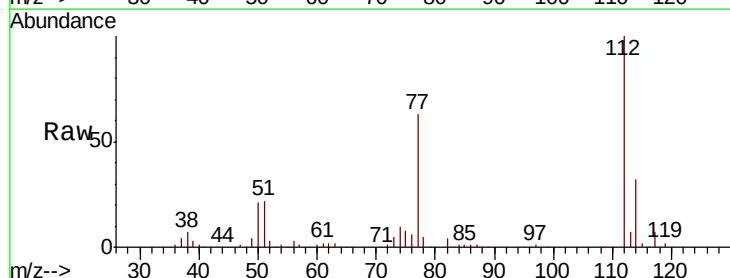
Instrument :
MSVOA_U
ClientSampleId :

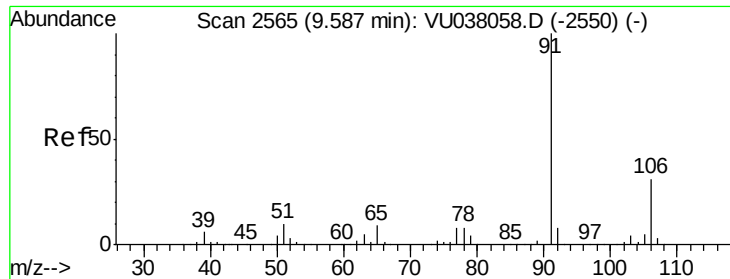
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.2	65.1	120.9
188	3.1	2.6	4.0



#51
Chlorobenzene
Concen: 4.538 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU038078.D
Acq: 08 May 2020 07:18

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.5	41.7
77	63.1	49.9	74.9

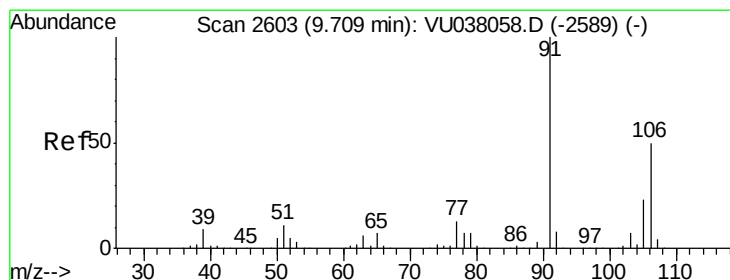
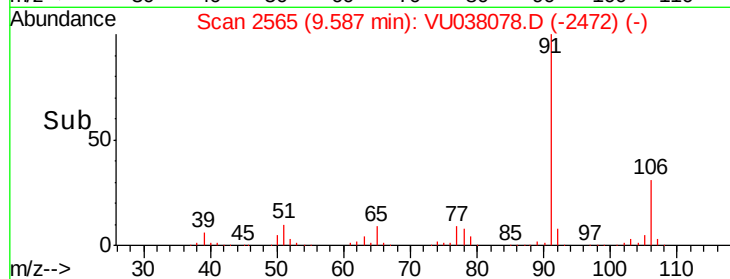
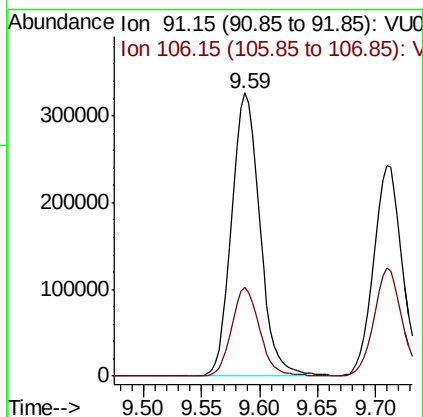
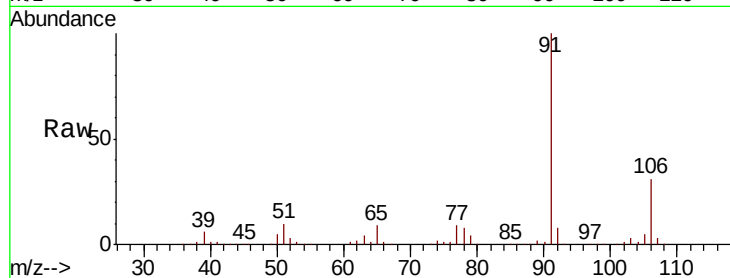




#52
Ethylbenzene
Concen: 4.416 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. 0.00 min
Lab File: VU038078.D
Acq: 08 May 2020 07:18

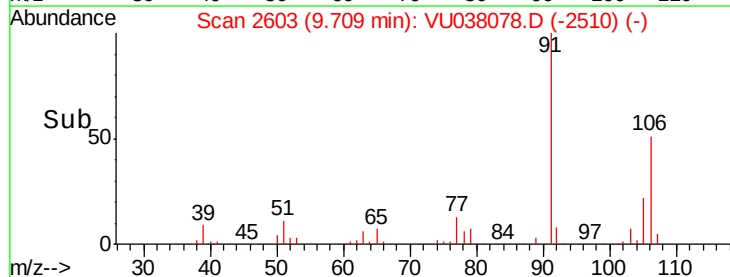
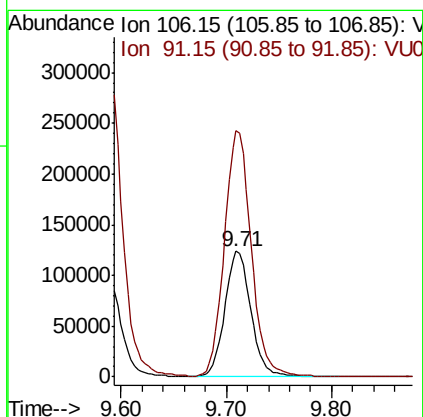
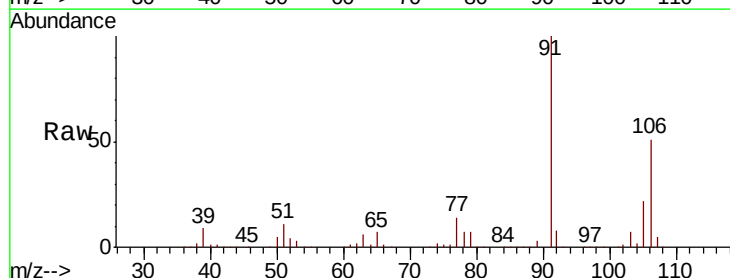
Instrument :
MSVOA_U
ClientSampleId :

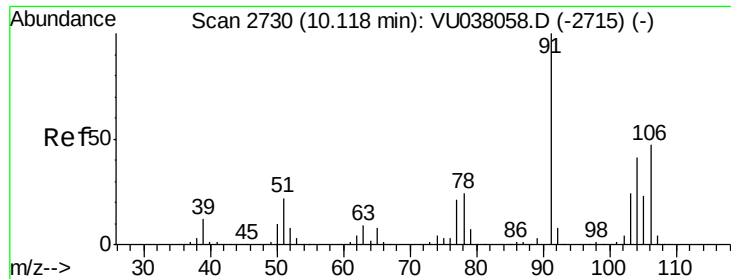
Tot Ion: 91 Resp: 550774
Ion Ratio Lower Upper
91 100
106 31.4 21.8 40.4



#53
m,p-Xylene
Concen: 4.458 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VU038078.D
Acq: 08 May 2020 07:18

Tgt Ion: 106 Resp: 213190
Ion Ratio Lower Upper
106 100
91 195.2 142.1 263.9

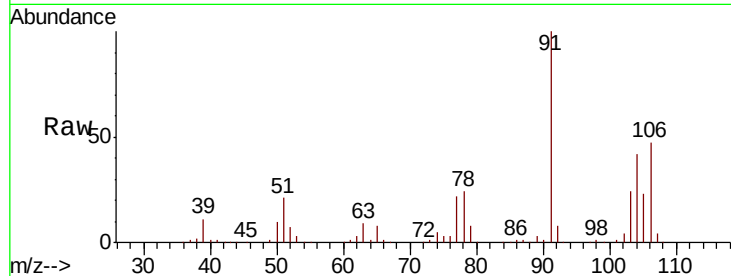




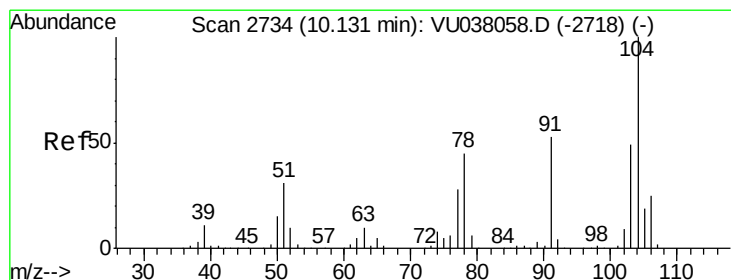
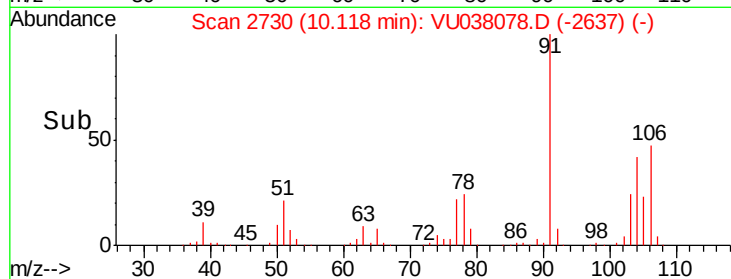
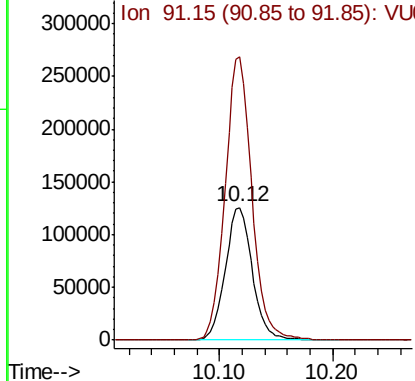
#54
o-Xylene
Concen: 4.508 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038078.D
Acq: 08 May 2020 07:18

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 208439
Ion Ratio Lower Upper
106 100
91 213.3 148.5 275.9

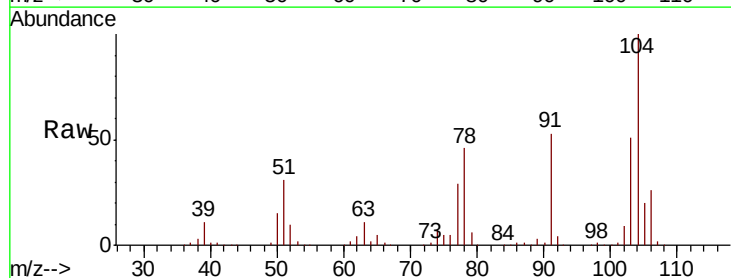


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

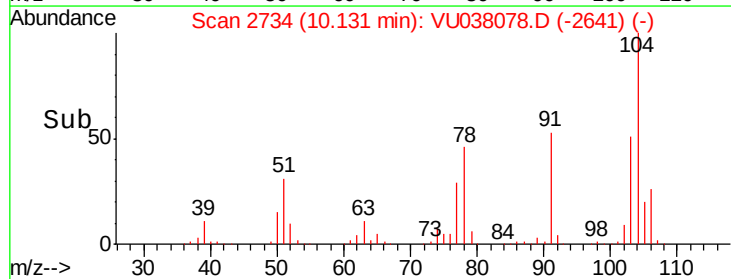
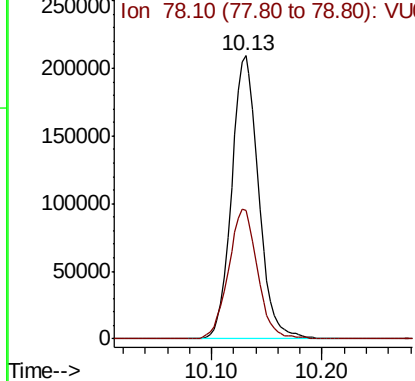


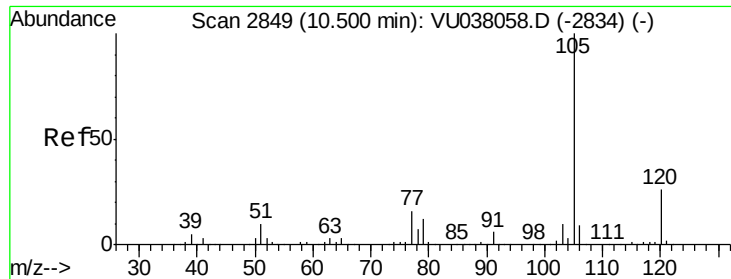
#55
Styrene
Concen: 4.561 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU038078.D
Acq: 08 May 2020 07:18

Tgt Ion:104 Resp: 354047
Ion Ratio Lower Upper
104 100
78 45.6 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: 4.374 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038078.D

Acq: 08 May 2020 07:18

Instrument :

MSVOA_U

ClientSampleId :

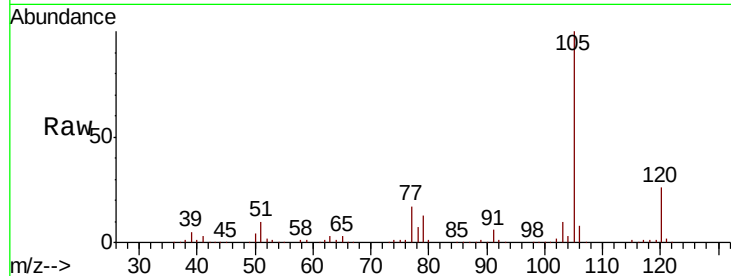
Tot Ion:105 Resp: 519527

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.6

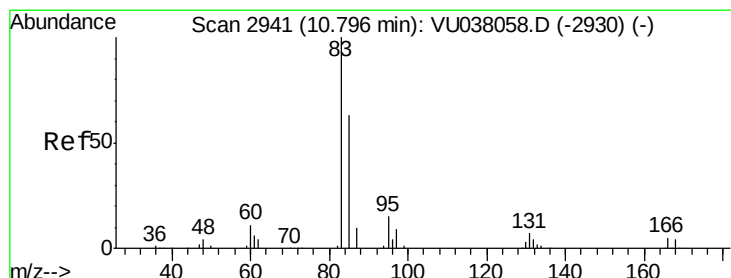
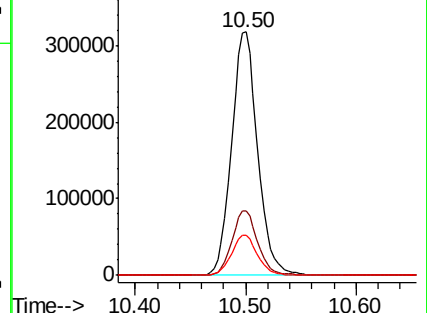
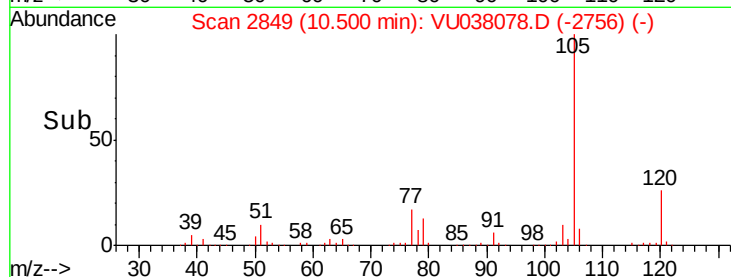
77 16.5 13.0 19.4



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: 4.645 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU038078.D

Acq: 08 May 2020 07:18

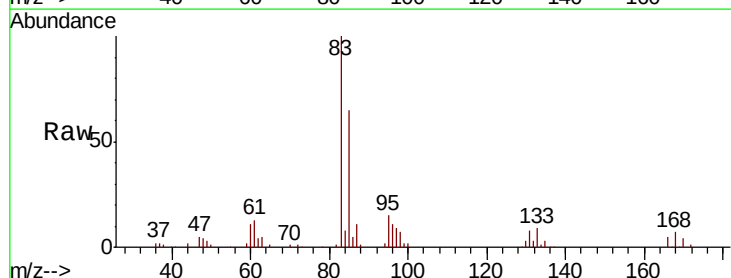
Tgt Ion: 83 Resp: 121333

Ion Ratio Lower Upper

83 100

85 64.7 47.0 87.2

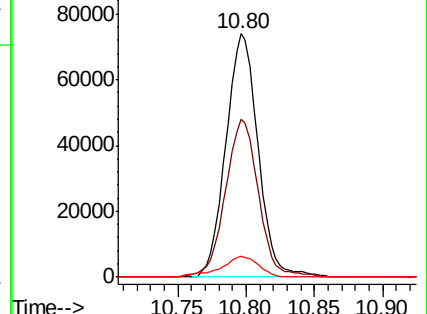
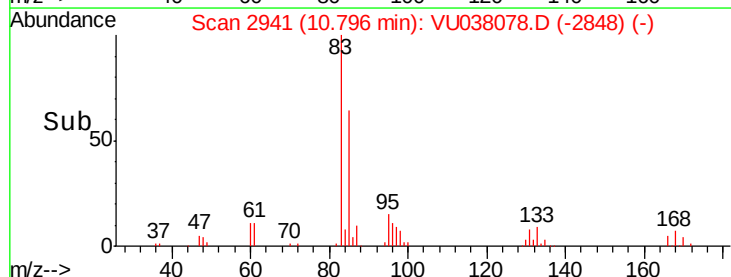
131 8.4 7.7 11.5

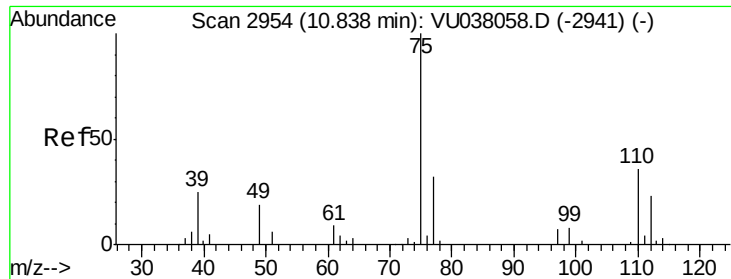


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.720 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU038078.D

Acq: 08 May 2020 07:18

Instrument :

MSVOA_U

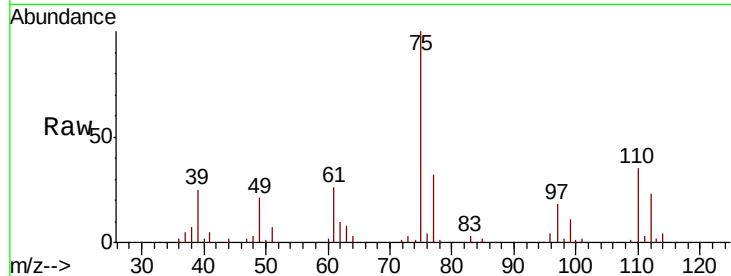
ClientSampleId :

Tot Ion: 75 Resp: 93857

Ion Ratio Lower Upper

75 100

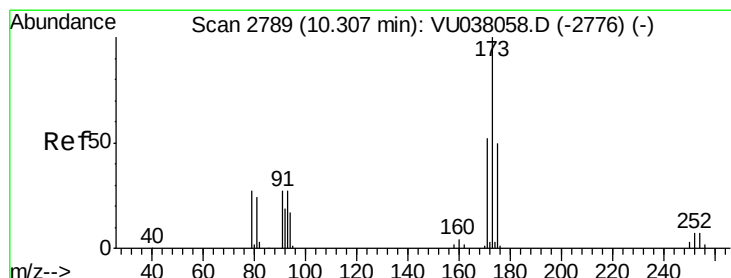
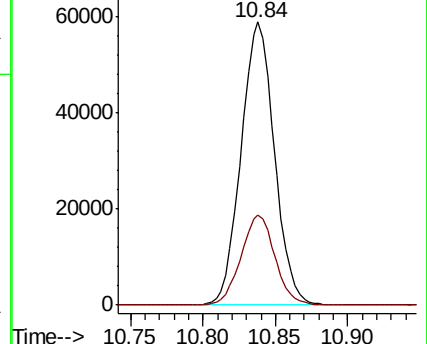
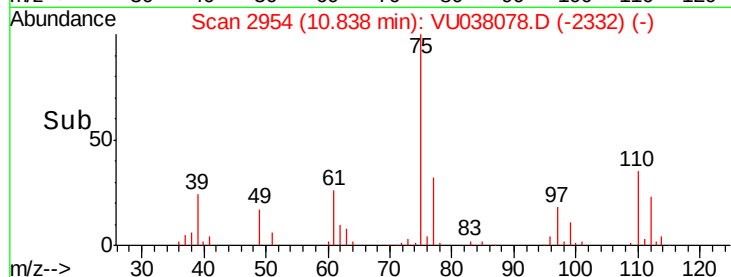
77 32.5 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU038058.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU038058.D (-2941) (-)

10.84



#61

Bromoform

Concen: 4.762 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU038078.D

Acq: 08 May 2020 07:18

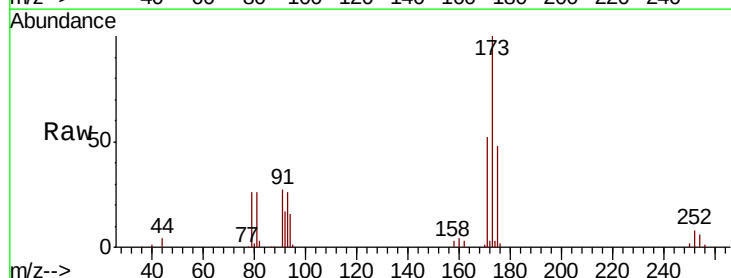
Tgt Ion: 173 Resp: 50991

Ion Ratio Lower Upper

173 100

175 47.1 39.5 59.3

254 6.1 5.0 7.4

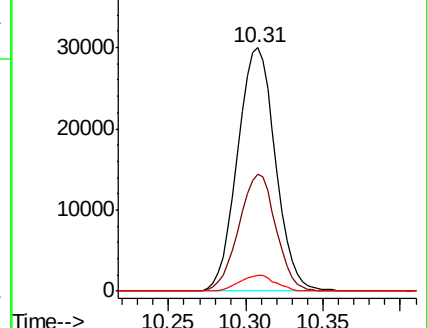
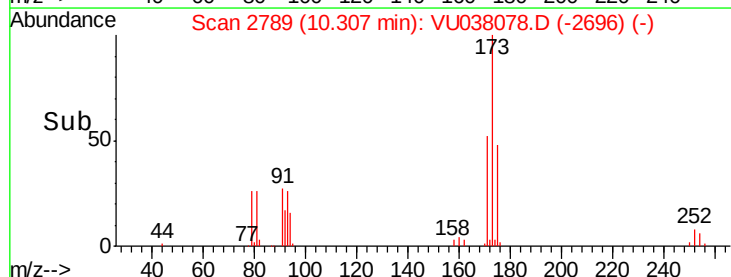


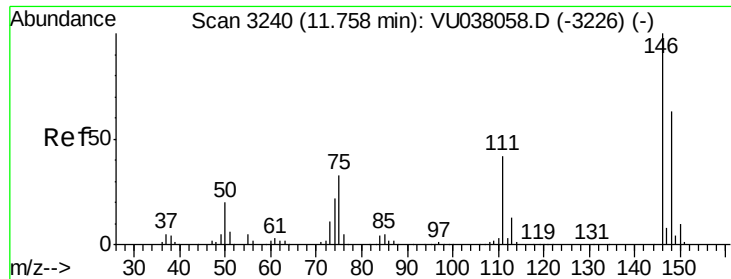
Abundance Ion 172.90 (172.60 to 173.60): VU038058.D (-2776) (-)

Ion 174.90 (174.60 to 175.60): VU038058.D (-2776) (-)

Ion 253.75 (253.45 to 254.45): VU038058.D (-2776) (-)

10.31

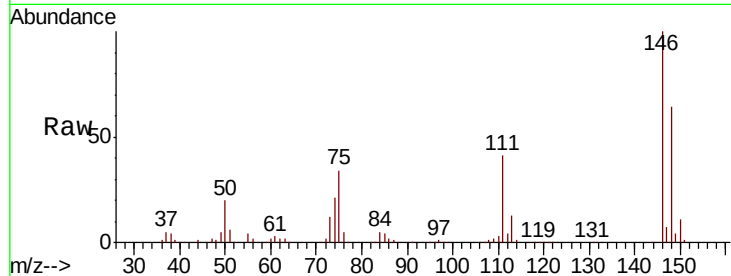




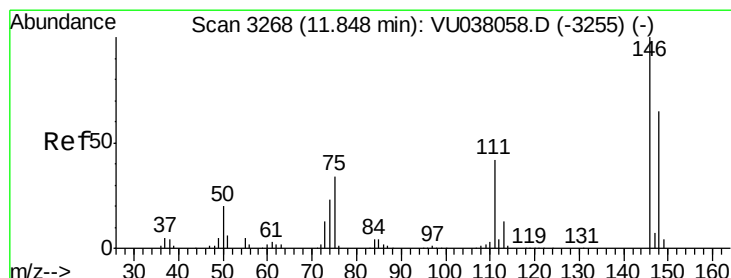
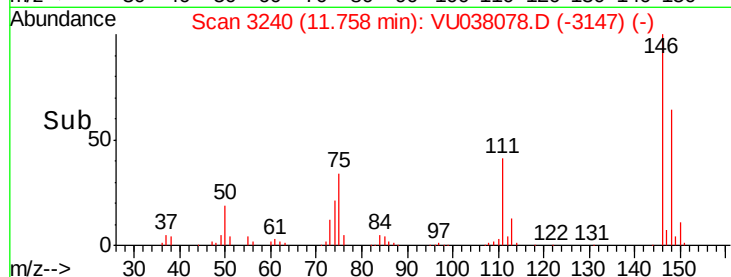
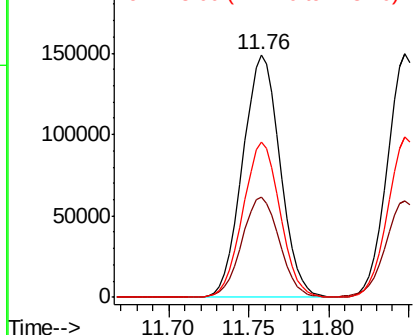
#62
 1,3-Dichlorobenzene
 Concen: 4.621 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU038078.D
 Acq: 08 May 2020 07:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	28.6	53.2
148	63.9	45.2	84.0

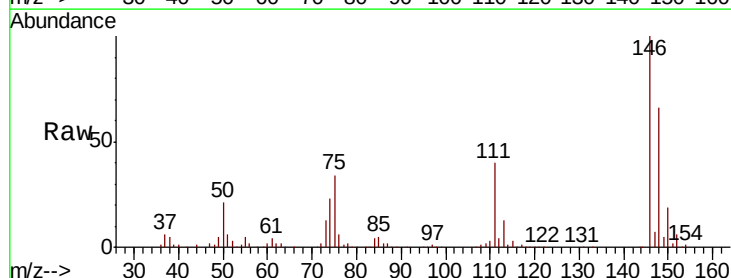


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

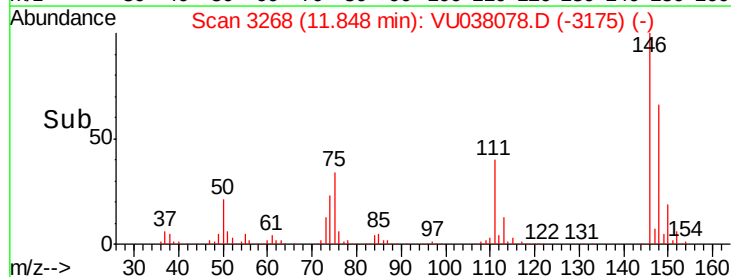
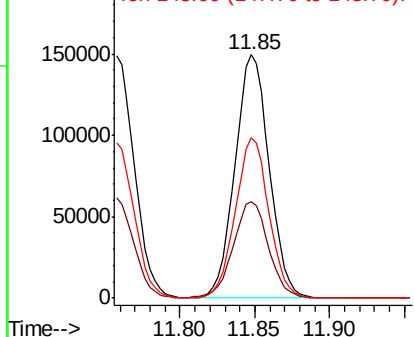


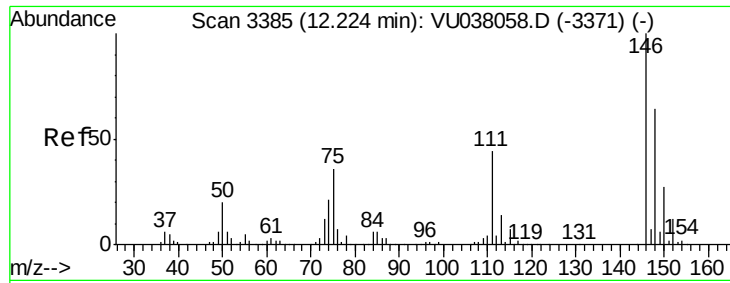
#63
 1,4-Dichlorobenzene
 Concen: 4.552 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU038078.D
 Acq: 08 May 2020 07:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	27.2	50.6
148	66.0	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

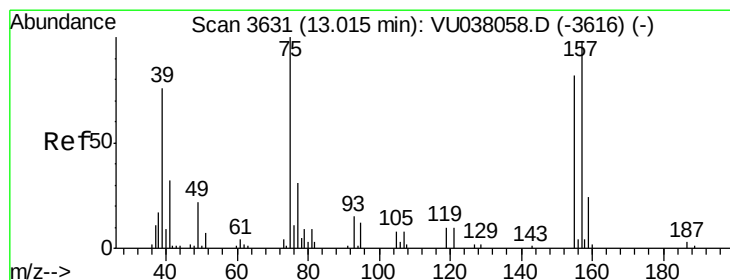
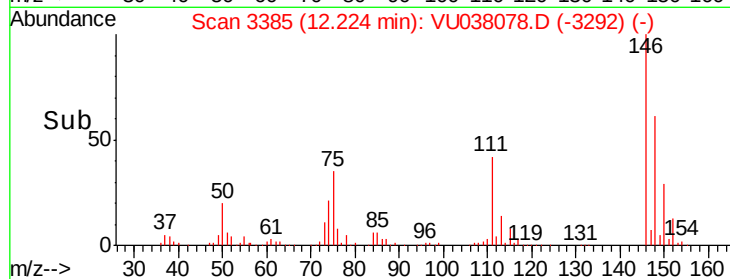
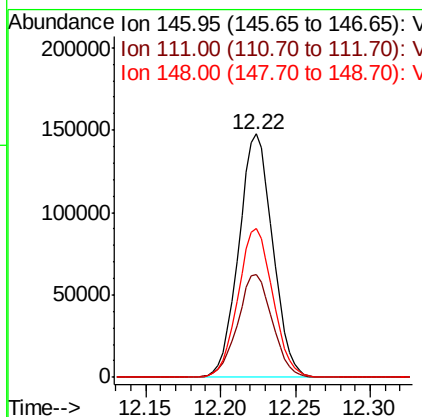
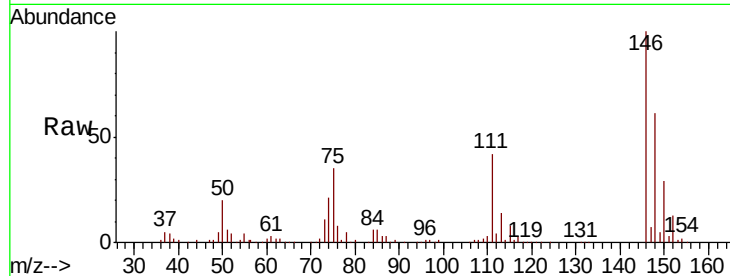




#65
 1,2-Dichlorobenzene
 Concen: 4.699 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU038078.D
 Acq: 08 May 2020 07:18

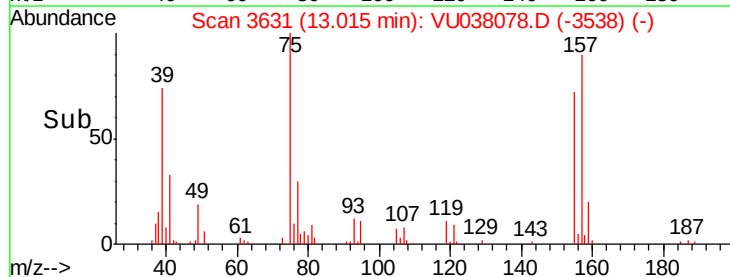
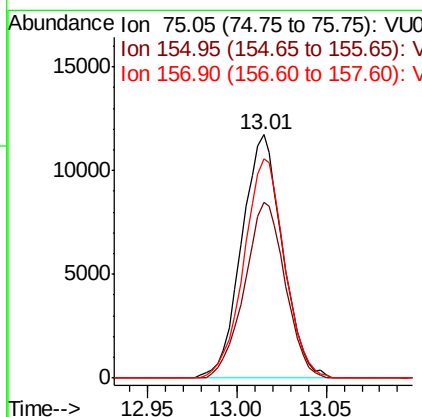
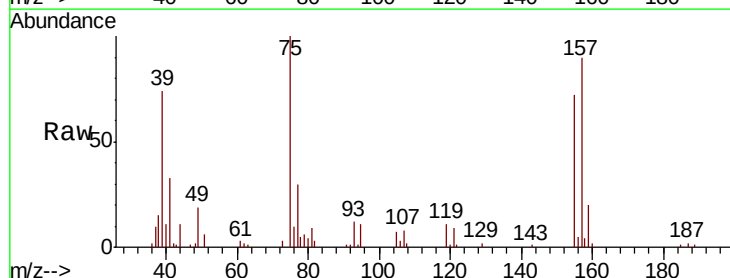
Instrument :
 MSVOA_U
 ClientSampleId :

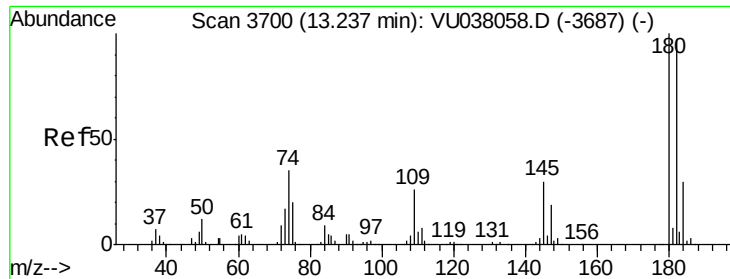
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	35.3	52.9
148	61.1	51.0	76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.629 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VU038078.D
 Acq: 08 May 2020 07:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.1	58.2	87.2
157	90.1	72.9	109.3

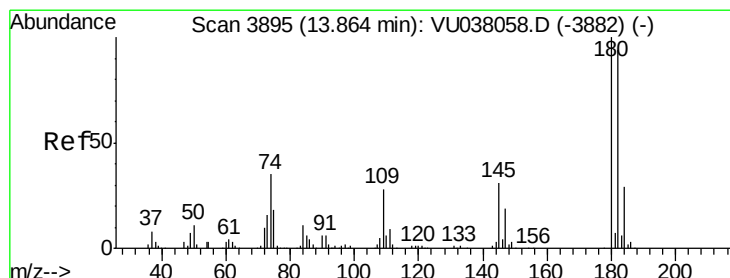
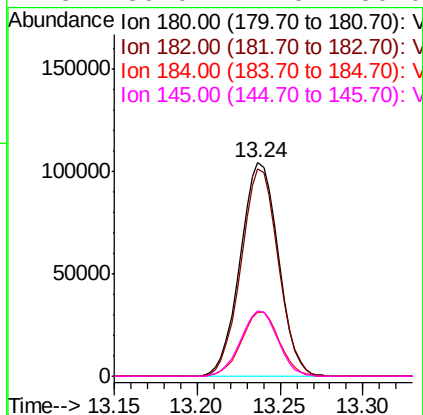
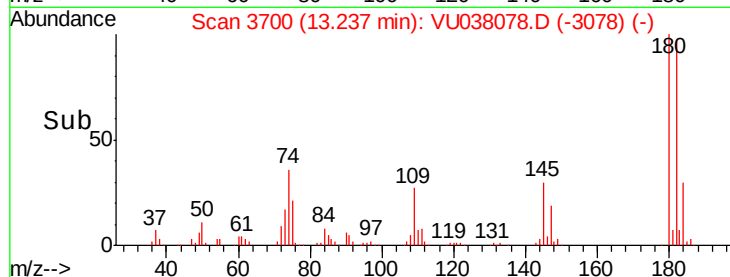
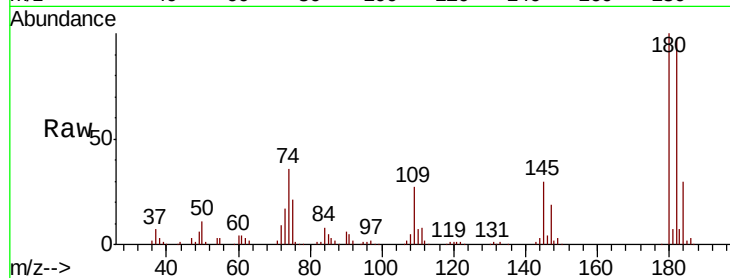




#67
 1,3,5-Trichlorobenzene
 Concen: 4.466 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU038078.D
 Acq: 08 May 2020 07:18

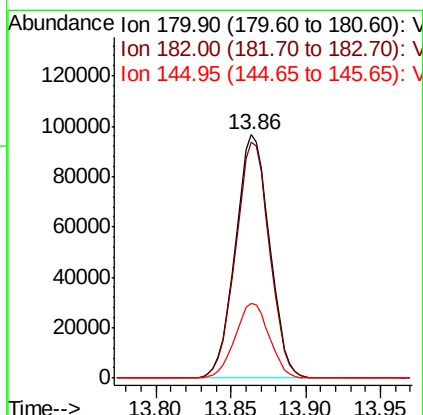
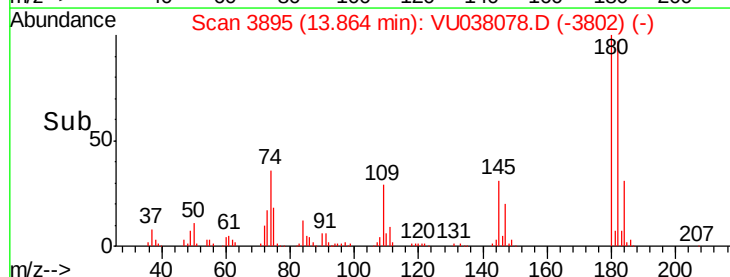
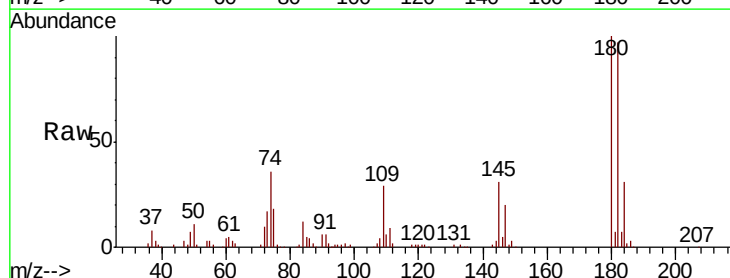
Instrument :
 MSVOA_U
 ClientSampleId :

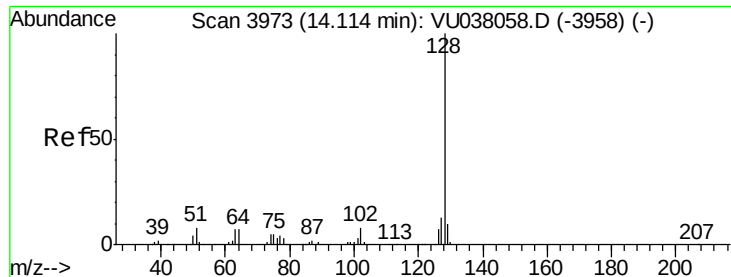
Tot Ion:180 Resp: 167043
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.4 116.2
 184 29.7 24.2 36.2
 145 30.0 24.0 36.0



#68
 1,2,4-trichlorobenzene
 Concen: 4.518 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU038078.D
 Acq: 08 May 2020 07:18

Tgt Ion:180 Resp: 153256
 Ion Ratio Lower Upper
 180 100
 182 96.5 75.0 112.6
 145 30.7 24.8 37.2





#69

Naphthalene

Concen: 4.776 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU038078.D

Acq: 08 May 2020 07:18

Instrument :

MSVOA_U

ClientSampled :

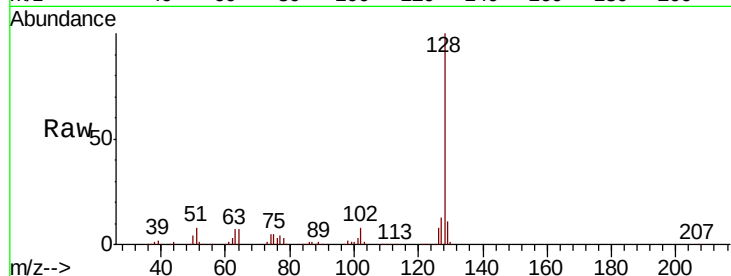
Tot Ion:128 Resp: 341041

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

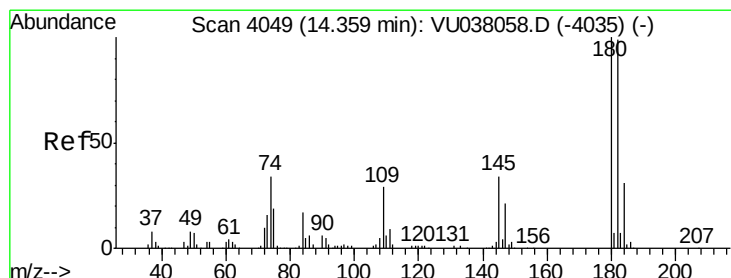
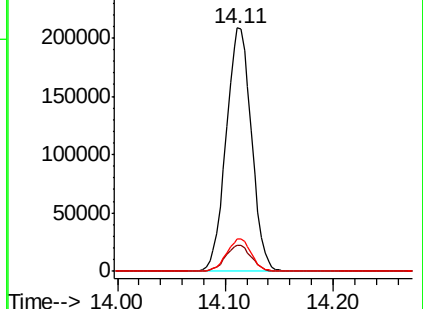
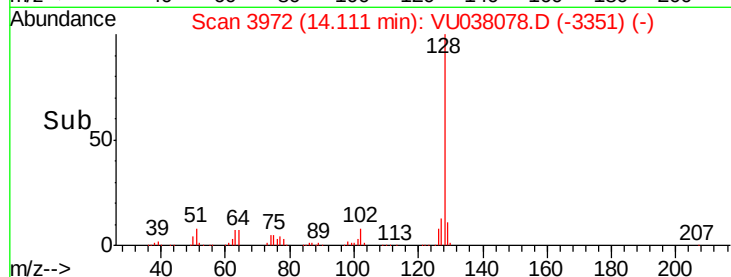
127 13.0 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.578 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. -0.00 min

Lab File: VU038078.D

Acq: 08 May 2020 07:18

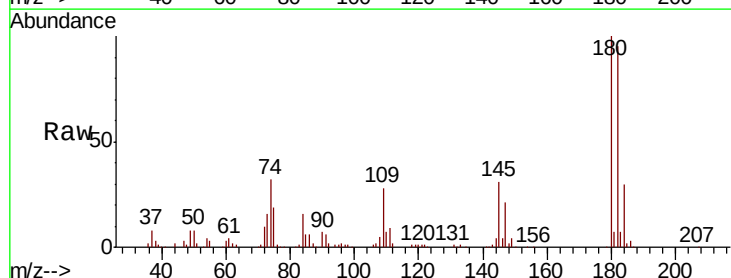
Tgt Ion:180 Resp: 144332

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

