

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051220\
 Data File : VU038132.D
 Acq On : 12 May 2020 18:17
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 13 01:17:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 13 01:13:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	376606	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	368093	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	185211	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	172876	5.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.40%
7) Chloroethane-d5	1.93	69	139871	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	2.59	63	270477	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.00%
20) 2-Butanone-d5	4.67	46	487297	57.33	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.66%
24) Chloroform-d	5.10	84	247790	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.74	65	148163	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.76	84	537500	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.72	67	175681	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.92	98	499734	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	8.20	79	74014	5.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.80%
46) 2-Hexanone-d5	8.65	63	369677	54.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.80%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	149006	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	182476	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	156419	4.541 ug/L	97
3) Chloromethane	1.53	50	178483	4.300 ug/L	97
5) Vinyl chloride	1.62	62	184059	4.525 ug/L	100
6) Bromomethane	1.88	94	97279	4.201 ug/L	99
8) Chloroethane	1.95	64	111094	4.441 ug/L	97
9) Trichlorofluoromethane	2.16	101	191847	4.613 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	120158	4.661 ug/L	98
12) 1,1-Dichloroethene	2.61	96	118881	4.549 ug/L	95
13) Acetone	2.67	43	285172	53.479 ug/L	98
14) Carbon disulfide	2.82	76	394590	4.232 ug/L	99
15) Methyl Acetate	2.98	43	72514	4.861 ug/L	99
16) Methylene chloride	3.08	84	138325	4.541 ug/L	99
17) Methyl tert-butyl Ether	3.40	73	339503	4.675 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	130225	4.564 ug/L	97
19) 1,1-Dichloroethane	3.91	63	253242	4.544 ug/L	100
21) 2-Butanone	4.75	43	505337	53.691 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	142949	4.649 ug/L	100

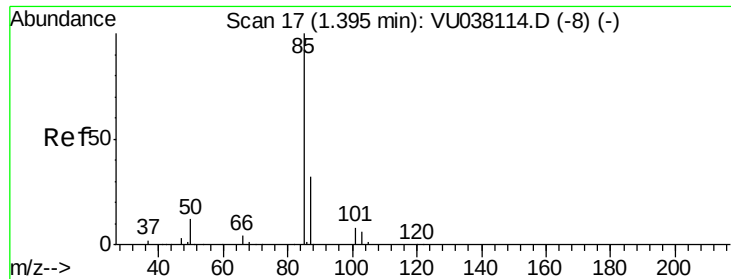
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051220\
 Data File : VU038132.D
 Acq On : 12 May 2020 18:17
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 13 01:13:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	62752	4.742	ug/L	94
25) Chloroform	5.13	83	248036	4.772	ug/L	97
27) 1,2-Dichloroethane	5.83	62	176171	4.801	ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	197409	4.681	ug/L	100
30) Cyclohexane	5.42	56	236133	4.742	ug/L	98
31) Carbon tetrachloride	5.56	117	158273	4.669	ug/L	97
33) Benzene	5.81	78	549907	4.665	ug/L	100
34) Trichloroethene	6.57	95	137848	4.676	ug/L	98
35) Methylcyclohexane	6.79	83	227462	4.763	ug/L	97
37) 1,2-Dichloropropane	6.82	63	146679	4.581	ug/L	100
38) Bromodichloromethane	7.13	83	172005	4.647	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	222241	4.850	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	1146390	51.661	ug/L	99
42) Toluene	7.99	91	582781	4.684	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	185917	4.771	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	108649	4.887	ug/L	98
47) Tetrachloroethene	8.57	164	98175	4.761	ug/L	97
48) 2-Hexanone	8.71	43	868988	53.473	ug/L	100
49) Dibromochloromethane	8.83	129	111163	4.818	ug/L	98
50) 1,2-Dibromoethane	8.94	107	102323	4.959	ug/L	100
51) Chlorobenzene	9.47	112	364376	4.719	ug/L	99
52) Ethylbenzene	9.59	91	635371	4.714	ug/L	100
53) m,p-Xylene	9.71	106	246028	4.760	ug/L	97
54) o-Xylene	10.11	106	240820	4.819	ug/L	99
55) Styrene	10.13	104	400507	4.774	ug/L	98
56) Isopropylbenzene	10.50	105	619704	4.828	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	143581	5.086	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	110137	5.125	ug/L	100
61) Bromoform	10.31	173	61384	4.903	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	286426	4.753	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	282132	4.620	ug/L	97
65) 1,2-Dichlorobenzene	12.22	146	271940	4.691	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	23242	4.905	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	210436	4.812	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	194217	4.897	ug/L	100
69) Naphthalene	14.11	128	418876	5.017	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	181521	4.924	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.541 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038132.D

Acq: 12 May 2020 18:17

Instrument :

MSVOA_U

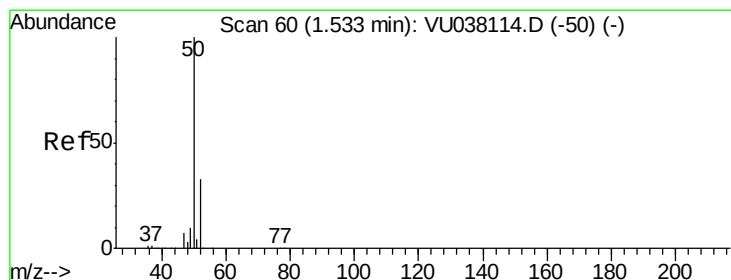
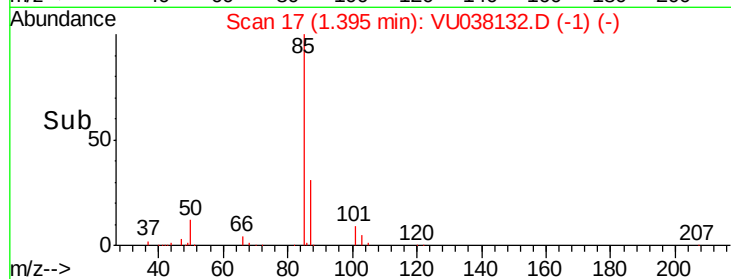
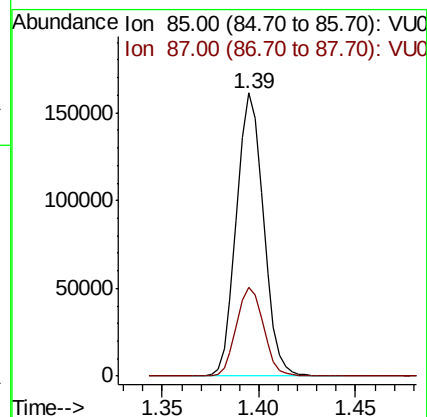
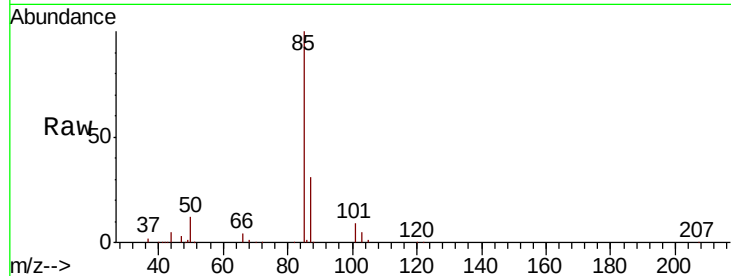
ClientSampled :

Tot Ion: 85 Resp: 156419

Ion Ratio Lower Upper

85 100

87 31.4 26.2 39.4



#3

Chloromethane

Concen: 4.300 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038132.D

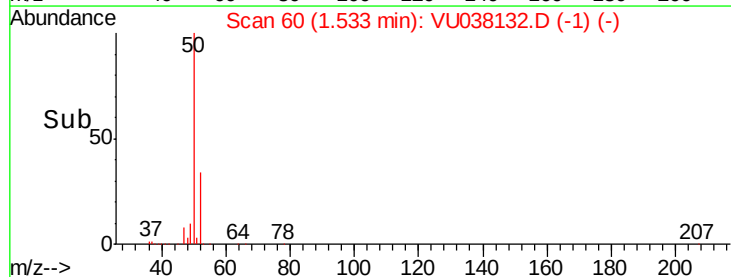
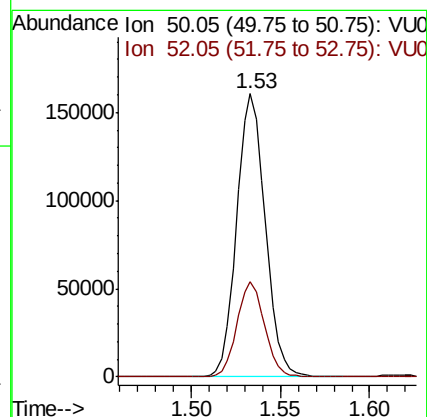
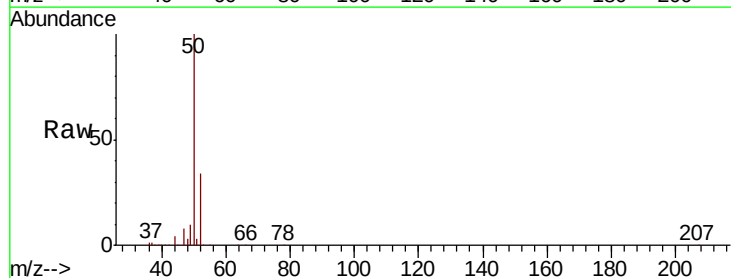
Acq: 12 May 2020 18:17

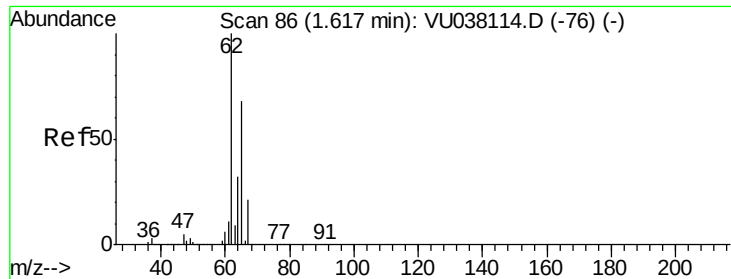
Tgt Ion: 50 Resp: 178483

Ion Ratio Lower Upper

50 100

52 33.7 22.5 41.7





#5

Vinyl chloride

Concen: 4.525 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038132.D

Acq: 12 May 2020 18:17

Instrument :

MSVOA_U

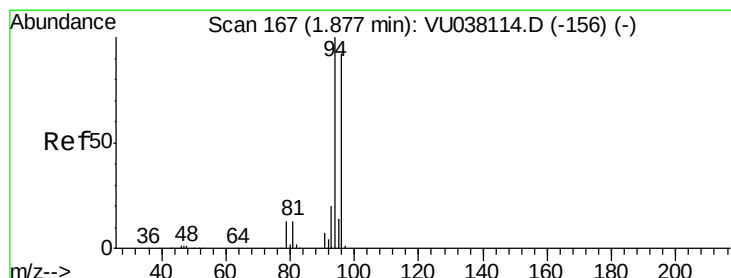
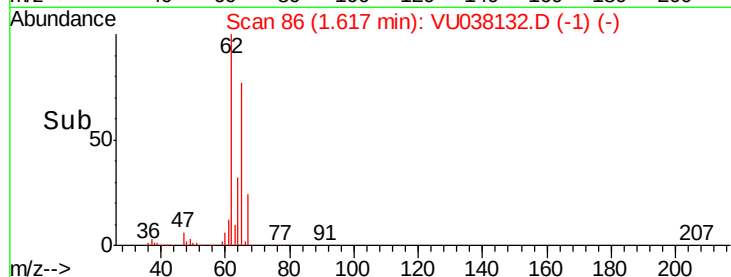
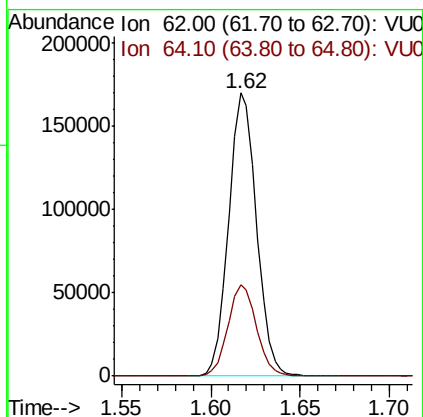
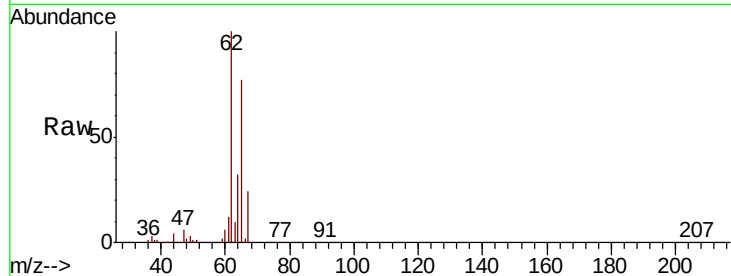
ClientSampleId :

Tot Ion: 62 Resp: 184059

Ion Ratio Lower Upper

62 100

64 32.5 22.8 42.4



#6

Bromomethane

Concen: 4.201 ug/L

RT: 1.88 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU038132.D

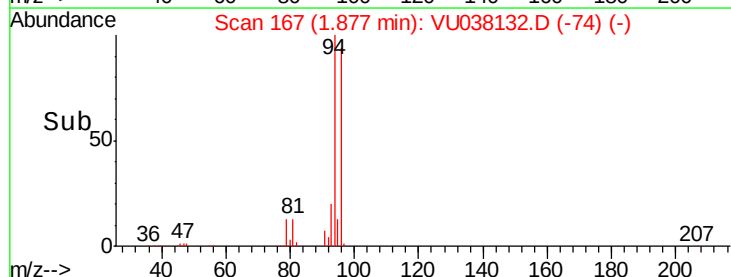
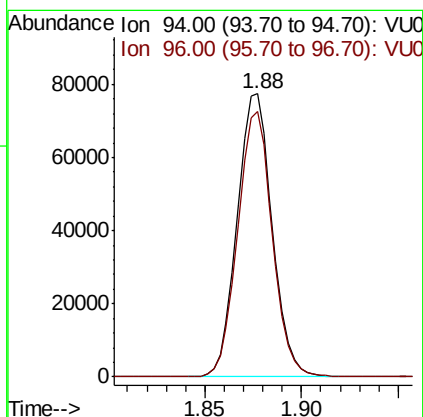
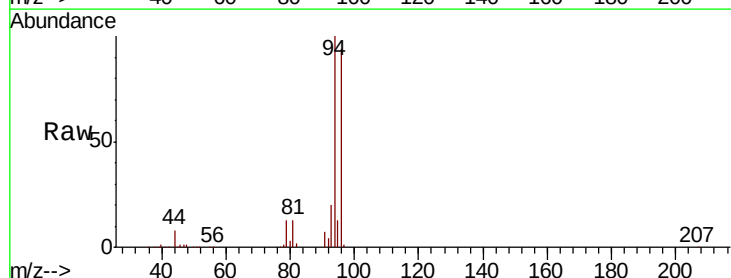
Acq: 12 May 2020 18:17

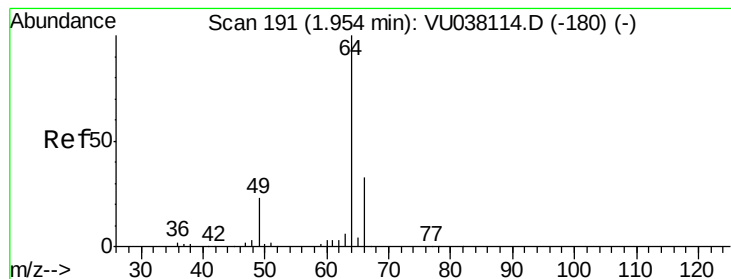
Tgt Ion: 94 Resp: 97279

Ion Ratio Lower Upper

94 100

96 93.8 65.0 120.8





#8

Chloroethane

Concen: 4.441 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038132.D

Acq: 12 May 2020 18:17

Instrument :

MSVOA_U

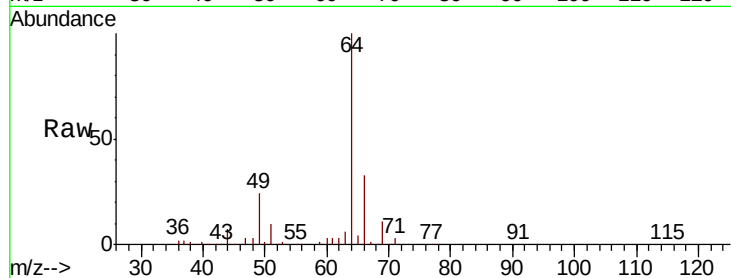
ClientSampleId :

Tot Ion: 64 Resp: 111094

Ion Ratio Lower Upper

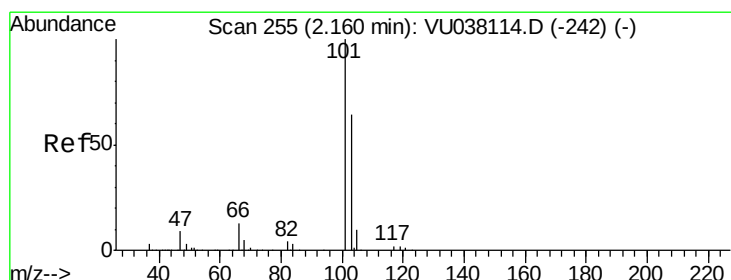
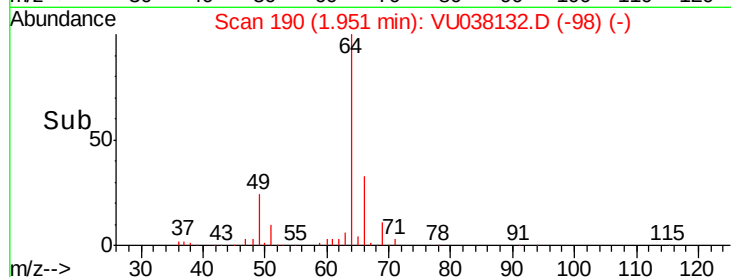
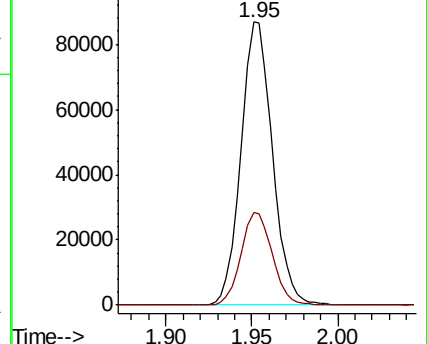
64 100

66 32.6 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VU038114.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU038114.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 4.613 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU038132.D

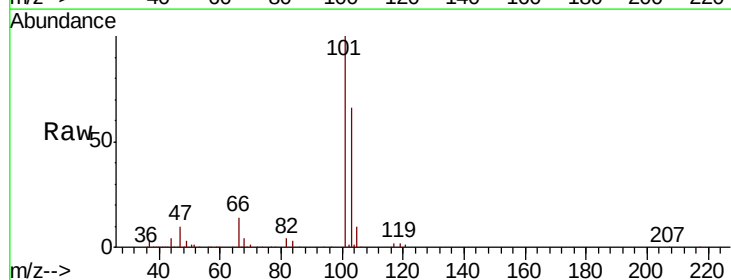
Acq: 12 May 2020 18:17

Tgt Ion:101 Resp: 191847

Ion Ratio Lower Upper

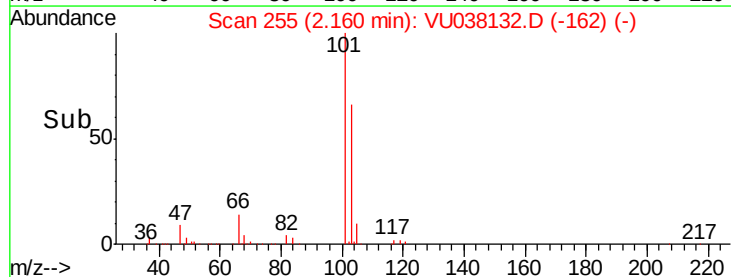
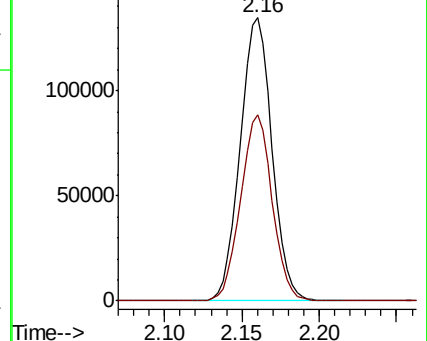
101 100

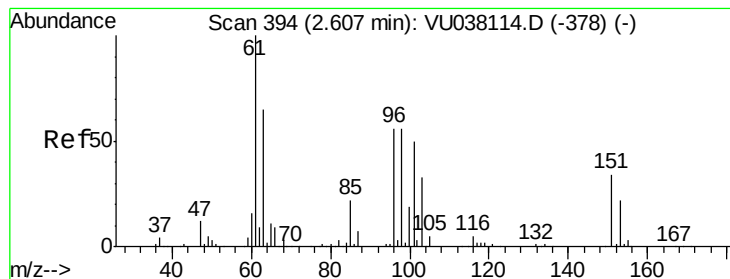
103 65.2 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038114.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038114.D (-242) (-)





#10

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

Concen: 4.661 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038132.D

Acq: 12 May 2020 18:17

Instrument :

MSVOA_U

ClientSampled :

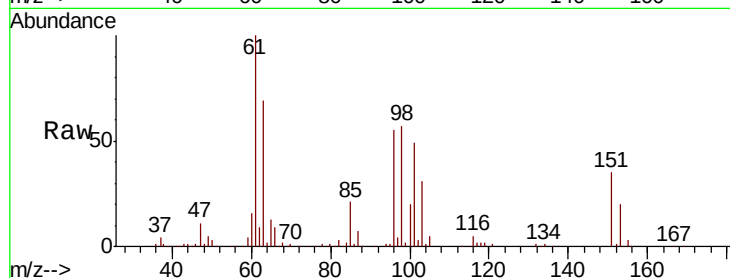
Tot Ion:101 Resp: 120158

Ion Ratio Lower Upper

101 100

85 43.8 35.3 52.9

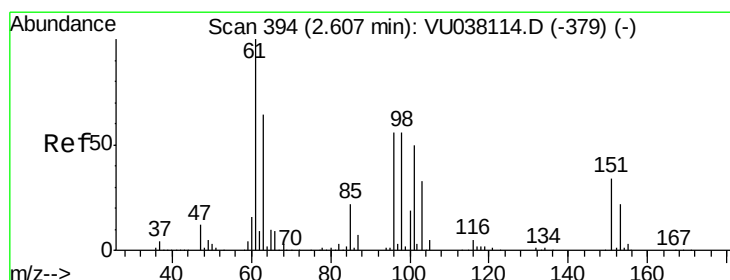
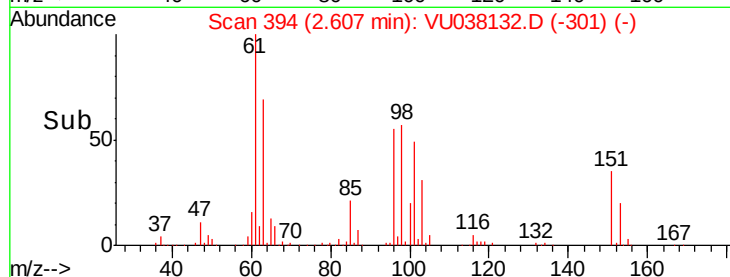
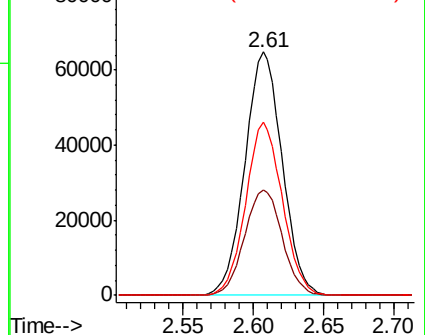
151 69.9 54.2 81.2



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: 4.549 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038132.D

Acq: 12 May 2020 18:17

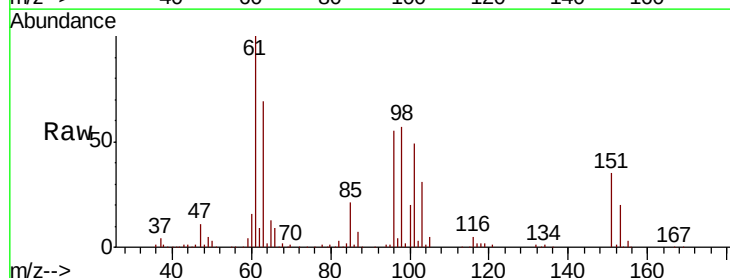
Tgt Ion: 96 Resp: 118881

Ion Ratio Lower Upper

96 100

61 182.6 126.2 234.4

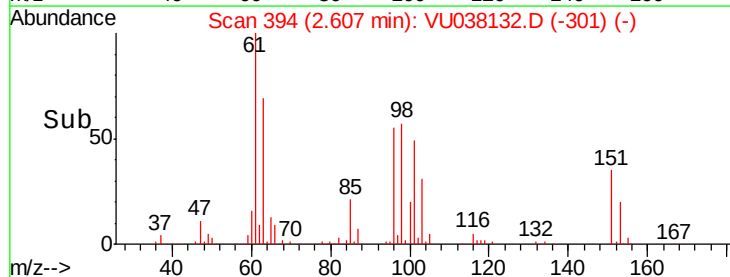
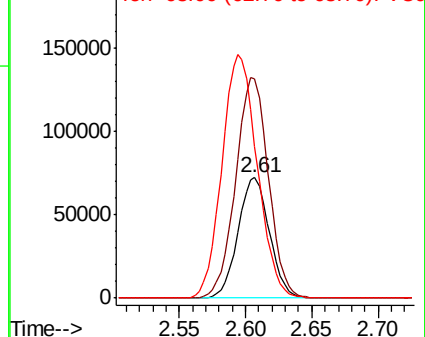
63 126.4 96.9 179.9

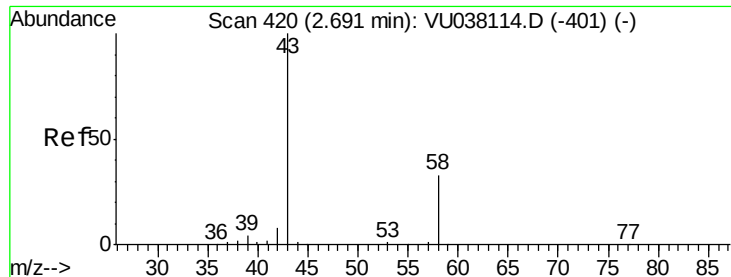


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.479 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.02 min

Lab File: VU038132.D

Acq: 12 May 2020 18:17

Instrument :

MSVOA_U

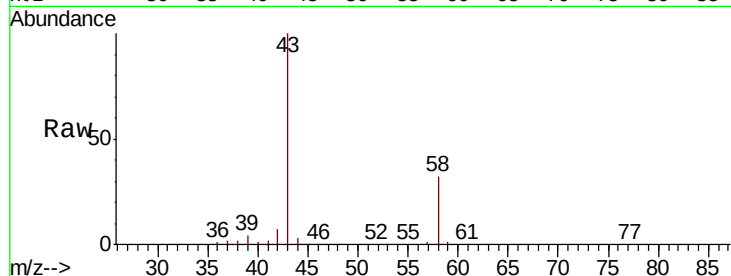
ClientSampled :

Tot Ion: 43 Resp: 285172

Ion Ratio Lower Upper

43 100

58 32.8 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038114.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038114.D (-401) (-)

2.67

120000

100000

80000

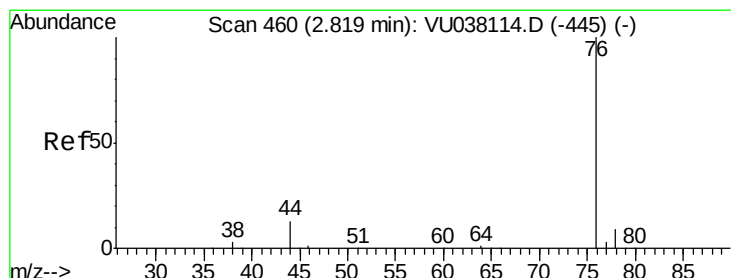
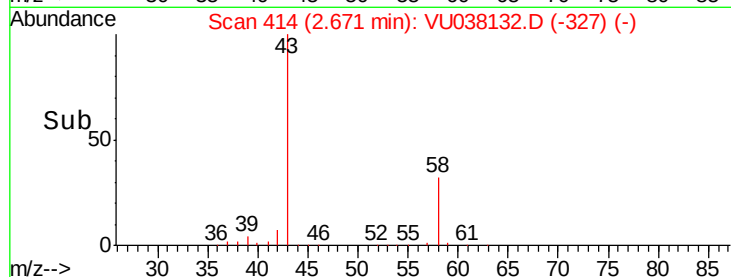
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 4.232 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038132.D

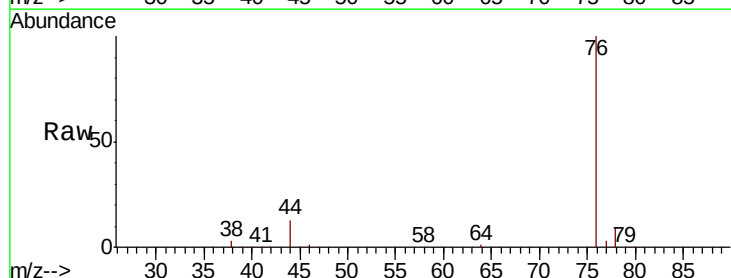
Acq: 12 May 2020 18:17

Tgt Ion: 76 Resp: 394590

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038114.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU038114.D (-445) (-)

2.82

250000

200000

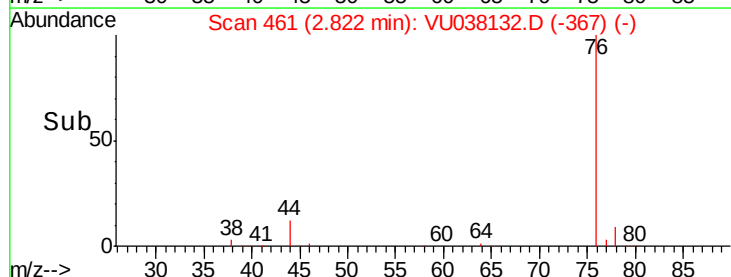
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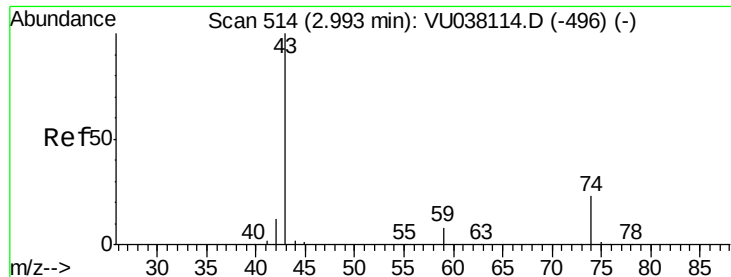
100000

50000

0

Time-->

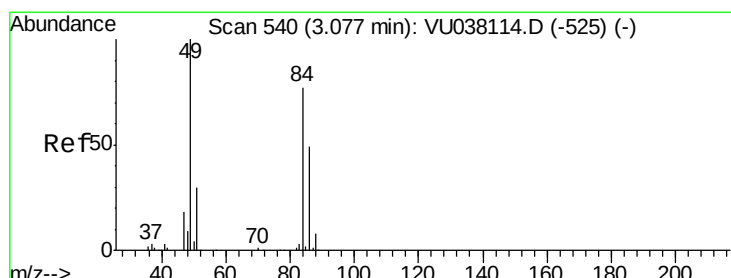
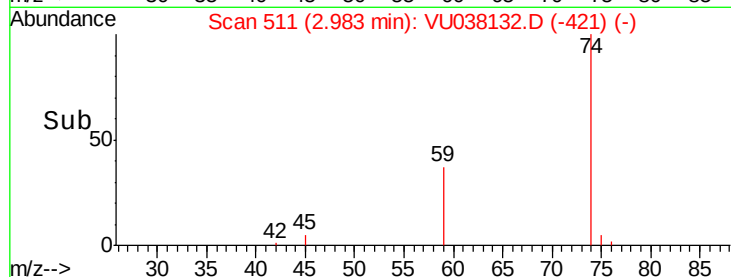
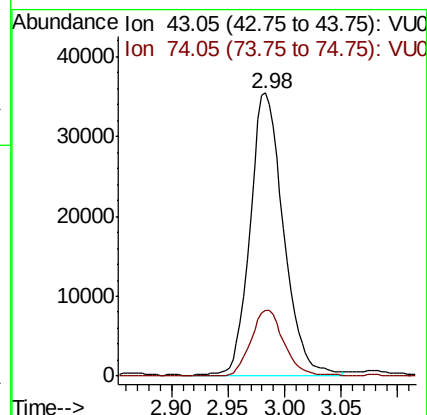
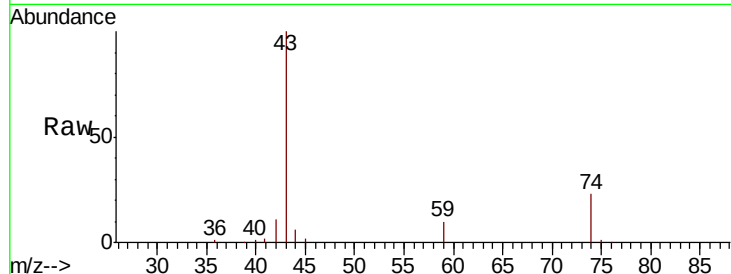




#15
Methvl Acetate
Concen: 4.861 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.01 min
Lab File: VU038132.D
Acq: 12 May 2020 18:17

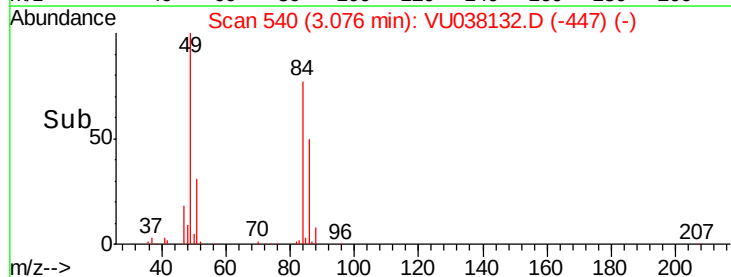
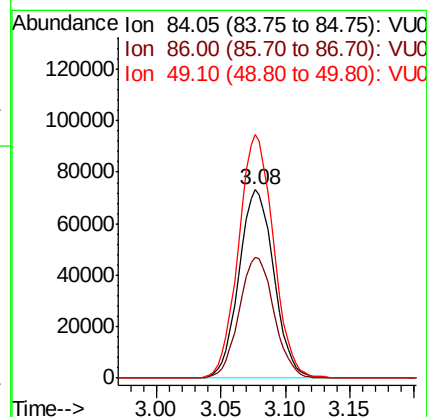
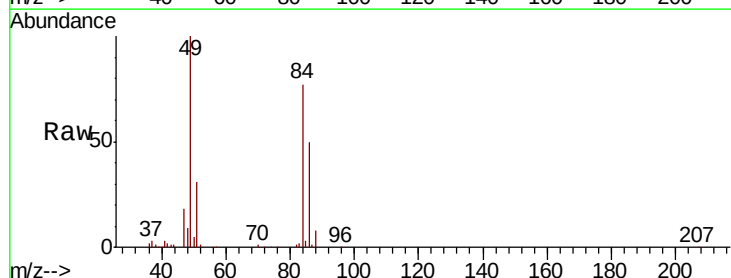
Instrument :
MSVOA_U
ClientSampleId :

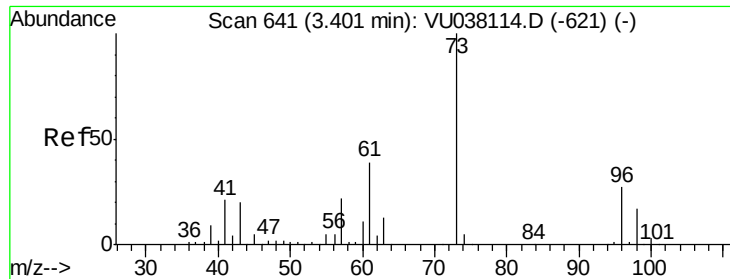
Tot Ion: 43 Resp: 72514
Ion Ratio Lower Upper
43 100
74 23.1 18.0 27.0



#16
Methylene chloride
Concen: 4.541 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038132.D
Acq: 12 May 2020 18:17

Tgt Ion: 84 Resp: 138325
Ion Ratio Lower Upper
84 100
86 64.1 44.9 83.3
49 129.4 92.0 170.9

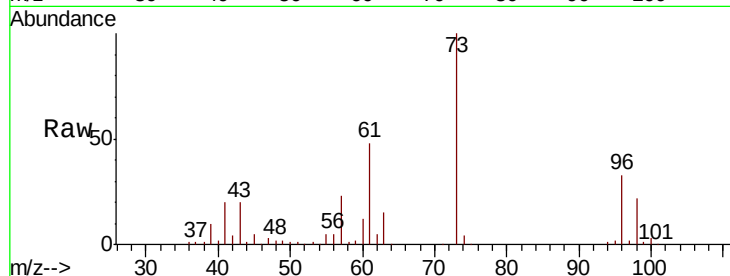




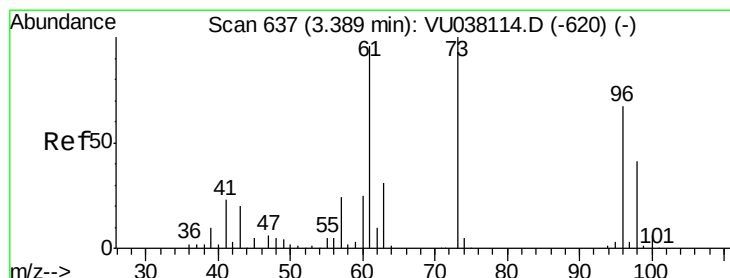
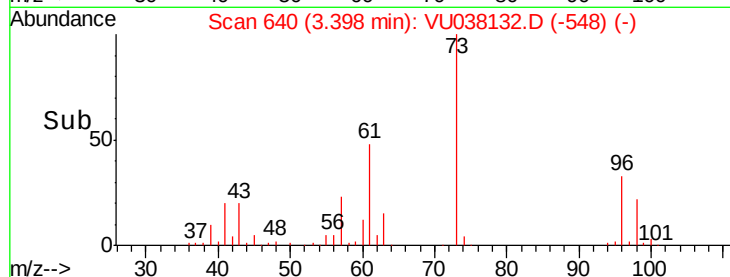
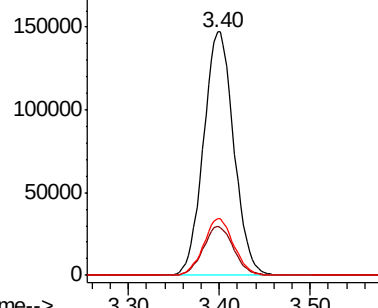
#17
Methyl tert-butyl Ether
Concen: 4.675 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU038132.D
Acq: 12 May 2020 18:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 339503
Ion Ratio Lower Upper
73 100
43 20.0 16.9 25.3
57 23.2 18.2 27.2

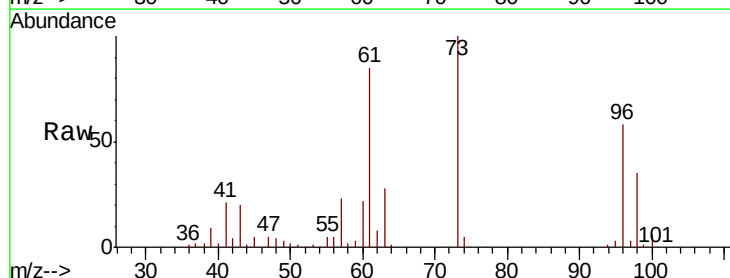


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

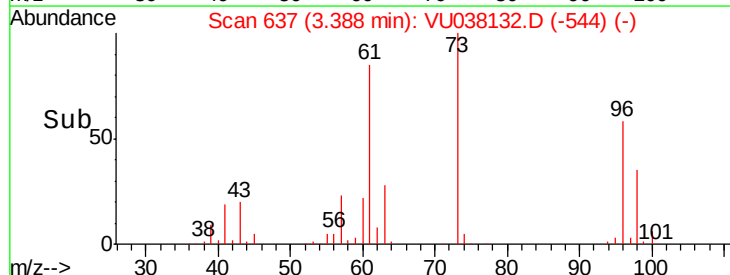
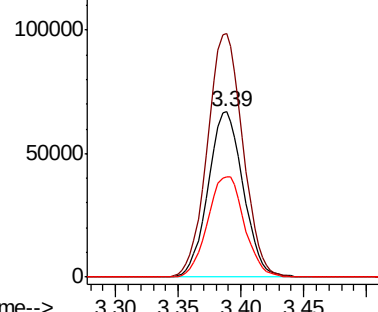


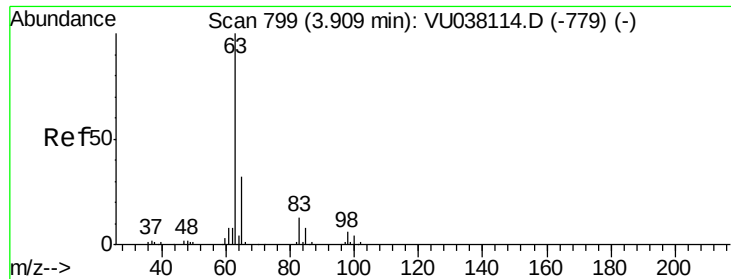
#18
trans-1,2-Dichloroethene
Concen: 4.564 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038132.D
Acq: 12 May 2020 18:17

Tgt Ion: 96 Resp: 130225
Ion Ratio Lower Upper
96 100
61 147.4 102.1 189.5
98 61.1 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

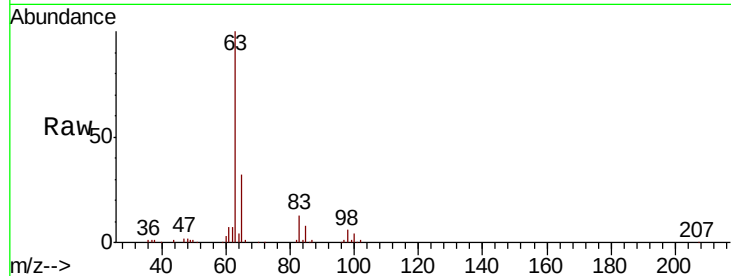




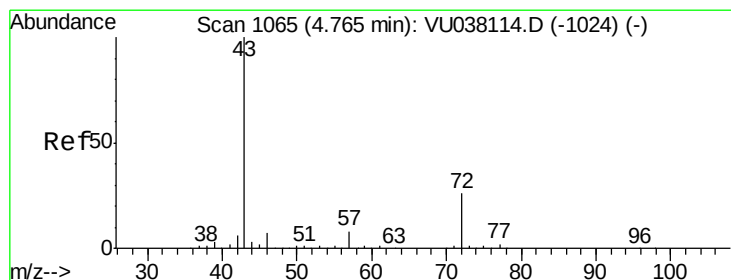
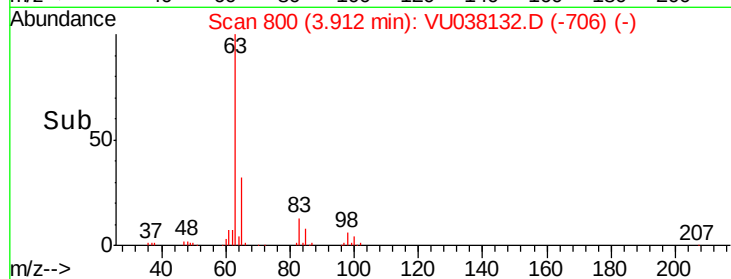
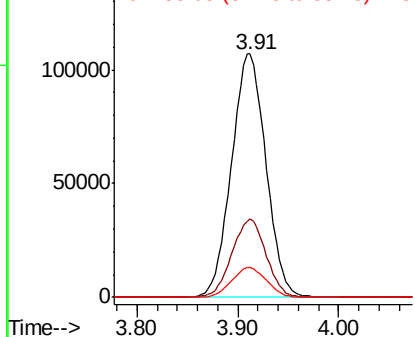
#19
 1,1-Dichloroethane
 Concen: 4.544 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU038132.D
 Acq: 12 May 2020 18:17

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 253242
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.5 41.7
 83 12.5 8.9 16.5

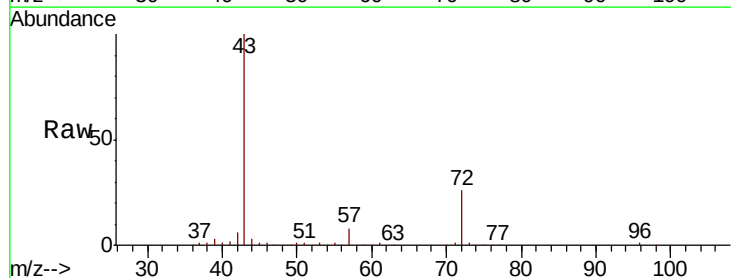


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

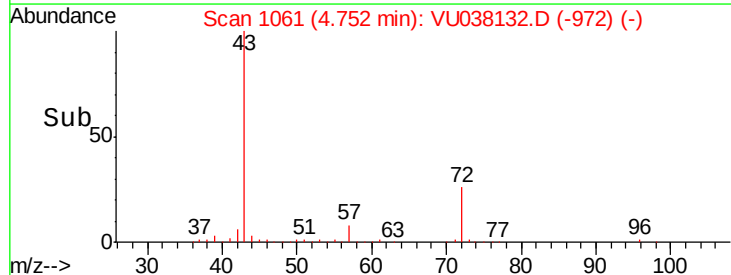
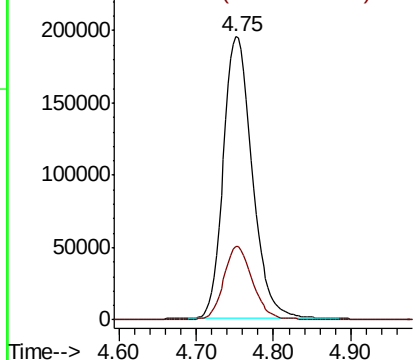


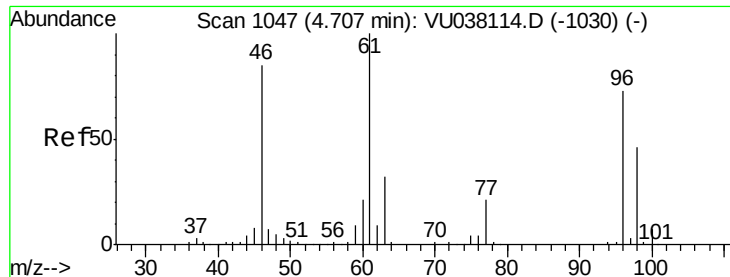
#21
 2-Butanone
 Concen: 53.691 ug/L
 RT: 4.75 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: VU038132.D
 Acq: 12 May 2020 18:17

Tgt Ion: 43 Resp: 505337
 Ion Ratio Lower Upper
 43 100
 72 26.4 13.5 40.4



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

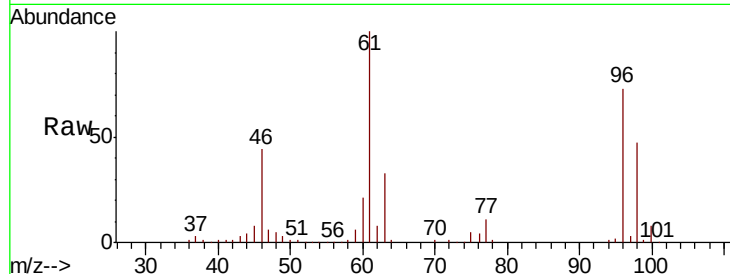




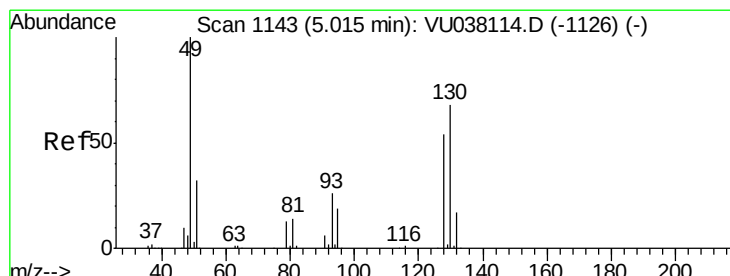
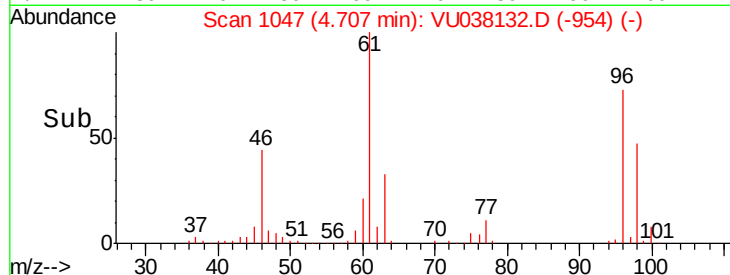
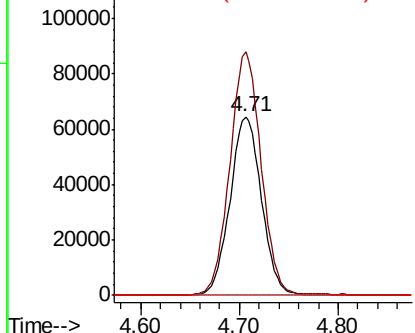
#22
 cis-1,2-Dichloroethene
 Concen: 4.649 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038132.D
 Acq: 12 May 2020 18:17

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 142949
 Ion Ratio Lower Upper
 96 100
 61 136.5 95.3 176.9
 68 0.0 0.0 0.0



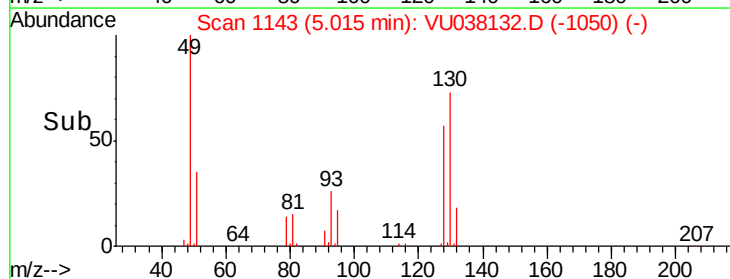
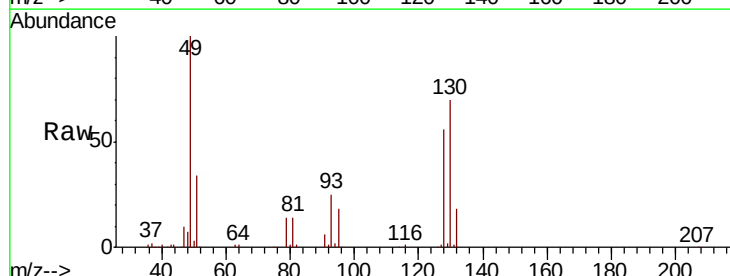
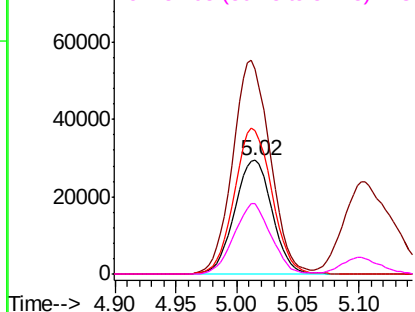
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

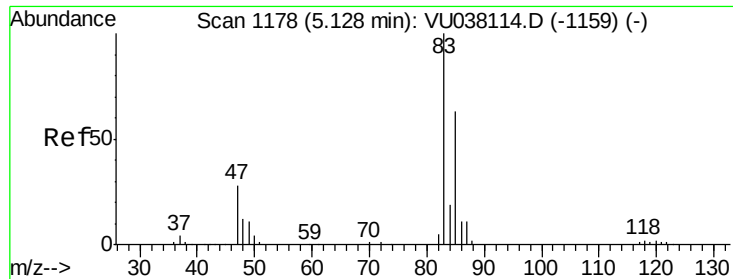


#23
 Bromochloromethane
 Concen: 4.742 ug/L
 RT: 5.02 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VU038132.D
 Acq: 12 May 2020 18:17

Tgt Ion: 128 Resp: 62752
 Ion Ratio Lower Upper
 128 100
 49 180.1 135.6 251.8
 130 126.3 91.4 169.8
 51 61.7 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

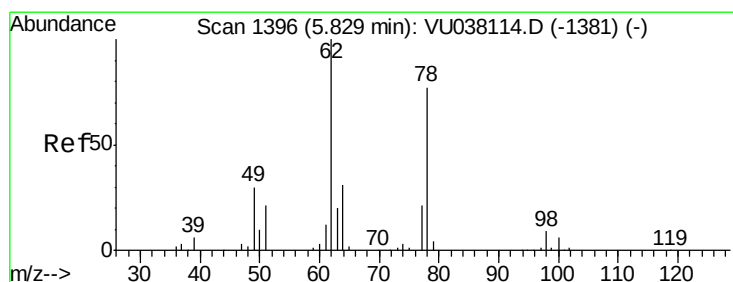
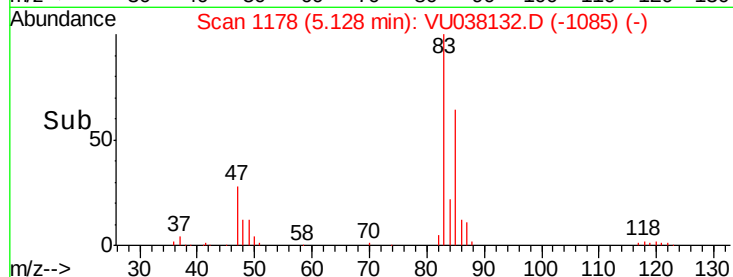
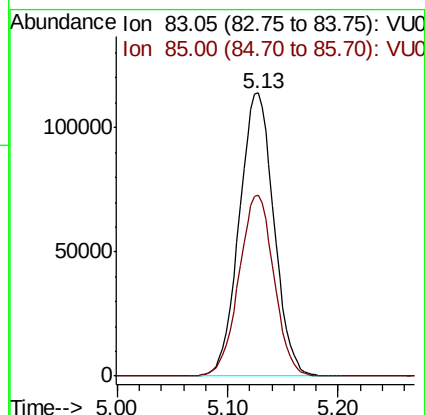
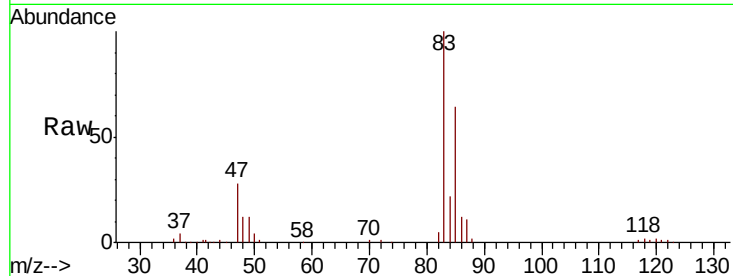




#25
Chloroform
Concen: 4.772 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038132.D
Acq: 12 May 2020 18:17

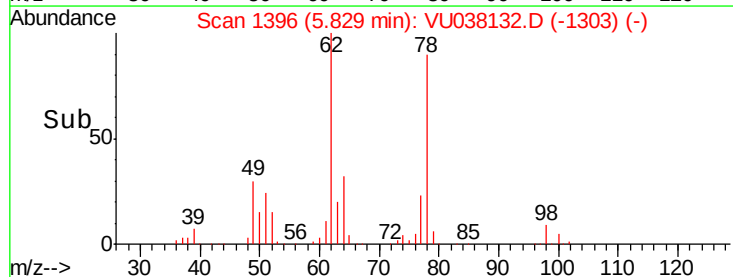
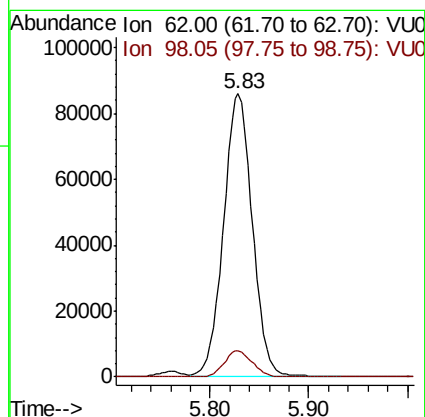
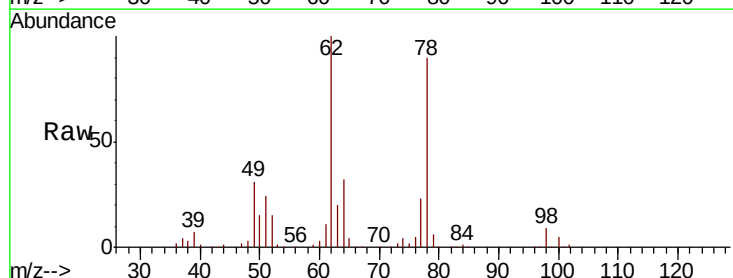
Instrument :
MSVOA_U
ClientSampled :

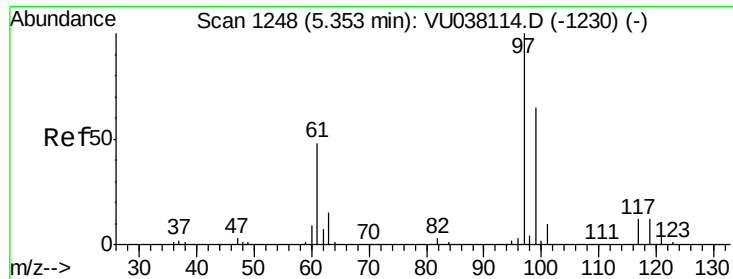
Tot Ion: 83 Resp: 248036
Ion Ratio Lower Upper
83 100
85 63.8 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.801 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038132.D
Acq: 12 May 2020 18:17

Tgt Ion: 62 Resp: 176171
Ion Ratio Lower Upper
62 100
98 9.1 7.8 11.8

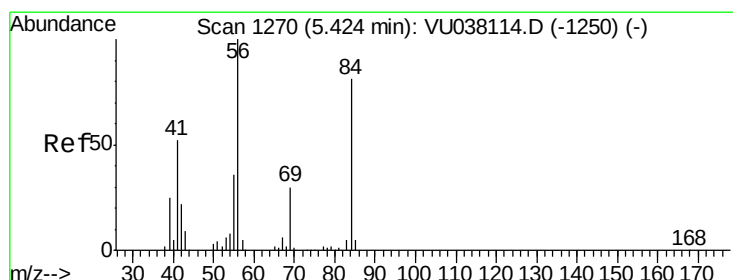
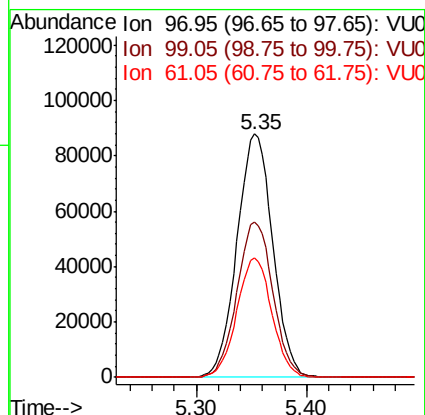
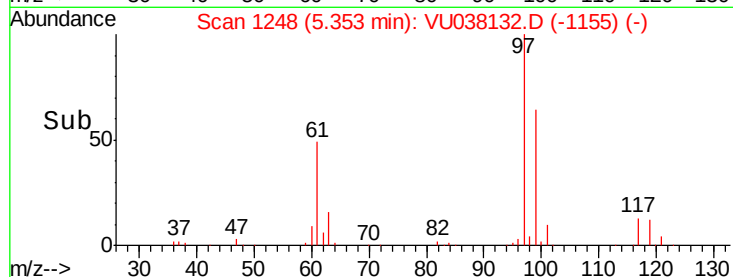
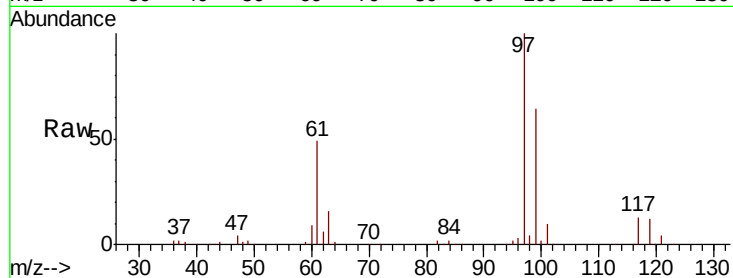




#29
 1,1,1-Trichloroethane
 Concen: 4.681 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038132.D
 Acq: 12 May 2020 18:17

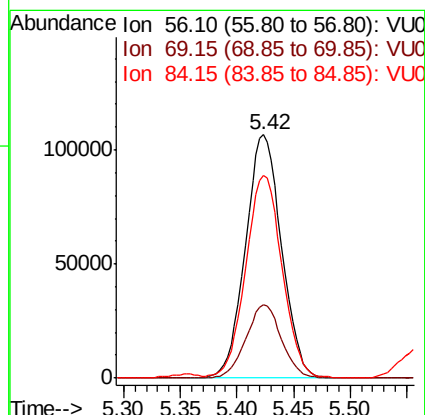
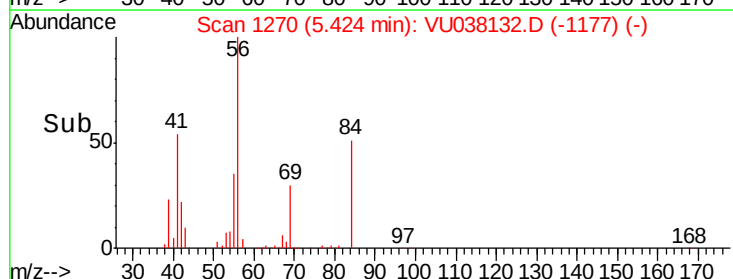
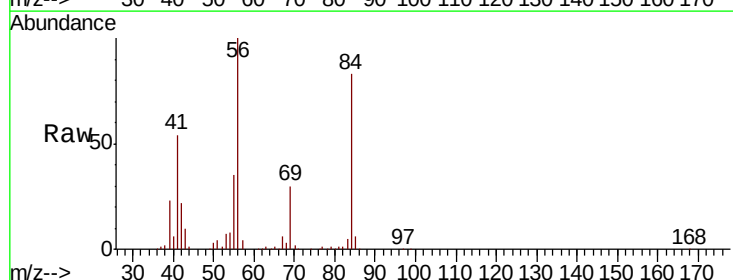
Instrument :
 MSVOA_U
 ClientSampled :

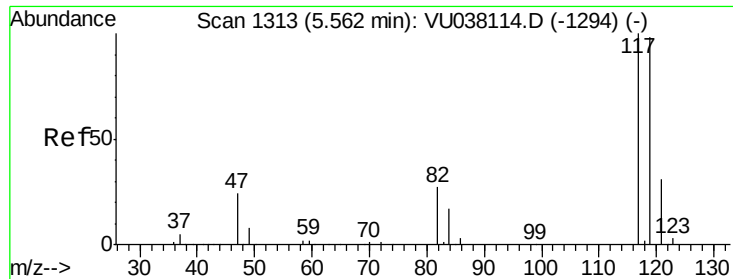
Tot Ion: 97 Resp: 197409
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.0 76.4
 61 48.0 38.2 57.4



#30
 Cyclohexane
 Concen: 4.742 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038132.D
 Acq: 12 May 2020 18:17

Tgt Ion: 56 Resp: 236133
 Ion Ratio Lower Upper
 56 100
 69 29.6 24.2 36.4
 84 84.1 68.5 102.7





#31

Carbon tetrachloride

Concen: 4.669 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038132.D

Acq: 12 May 2020 18:17

Instrument :

MSVOA_U

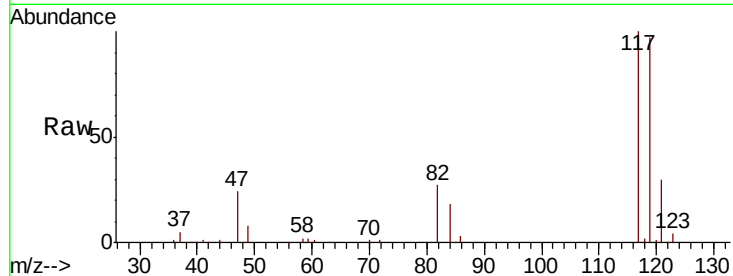
ClientSampleId :

Tot Ion:117 Resp: 158273

Ion Ratio Lower Upper

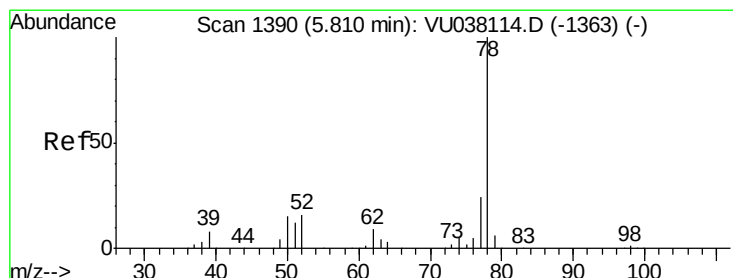
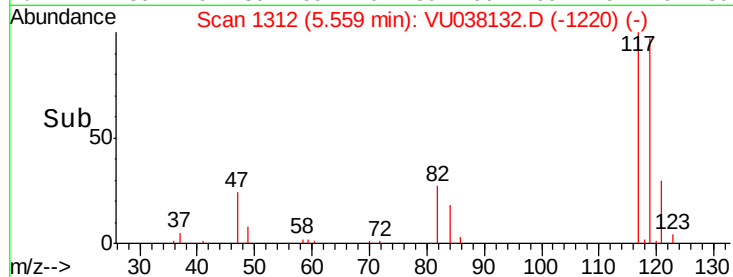
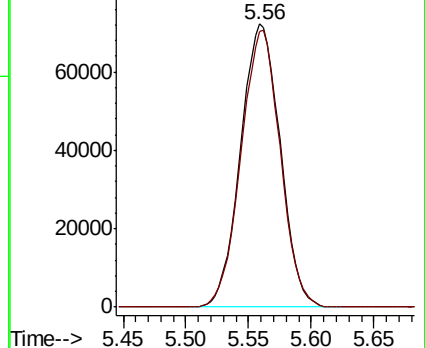
117 100

119 96.9 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: 4.665 ug/L

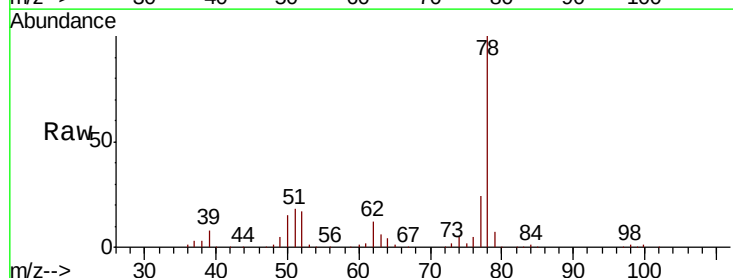
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

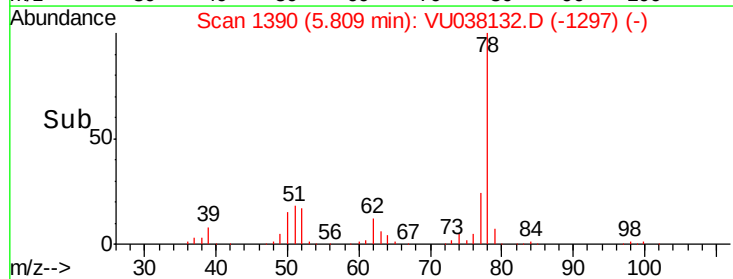
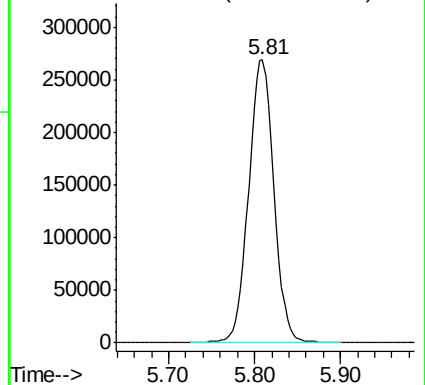
Lab File: VU038132.D

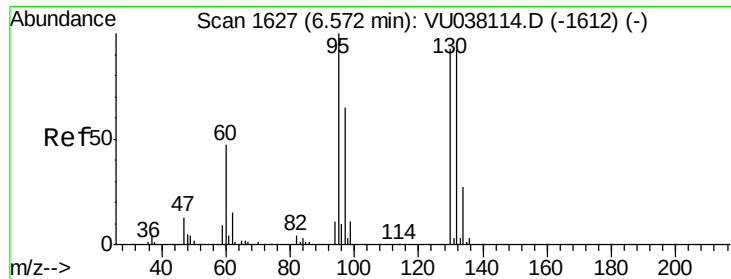
Acq: 12 May 2020 18:17

Tgt Ion: 78 Resp: 549907



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.676 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038132.D

Acq: 12 May 2020 18:17

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 137848

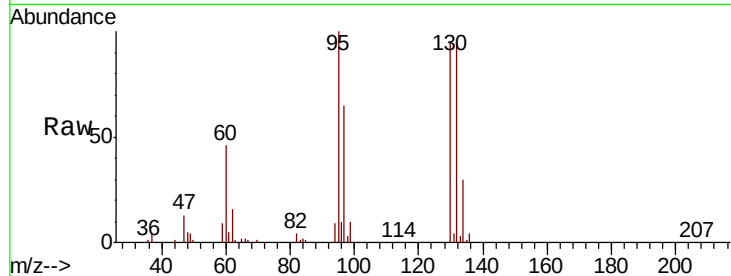
Ion Ratio Lower Upper

95 100

97 64.6 44.9 83.3

132 93.7 63.3 117.5

130 94.8 65.7 122.1

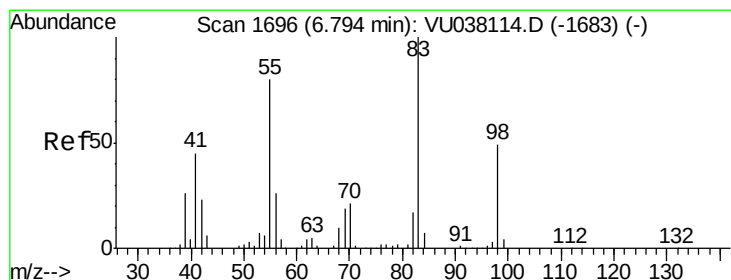
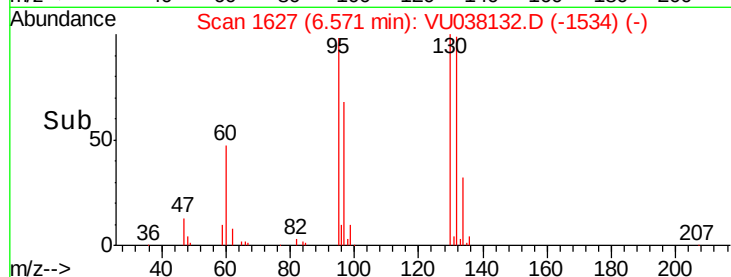
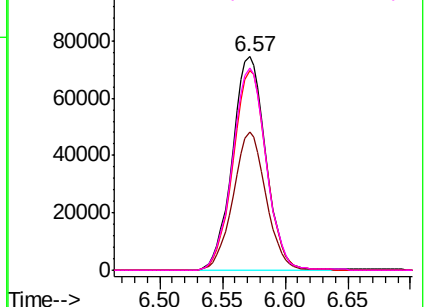


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.763 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU038132.D

Acq: 12 May 2020 18:17

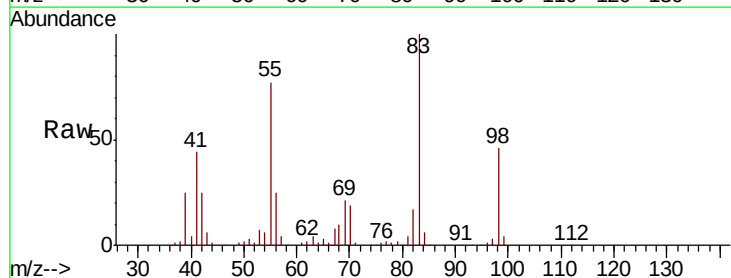
Tgt Ion: 83 Resp: 227462

Ion Ratio Lower Upper

83 100

55 79.7 66.7 100.1

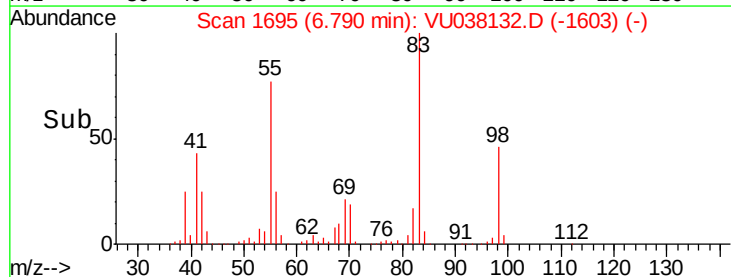
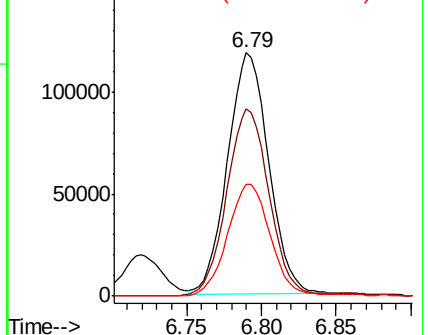
98 48.3 39.4 59.2

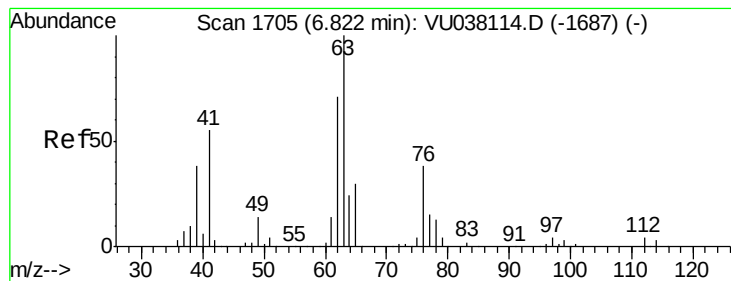


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.581 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VU038132.D

Acq: 12 May 2020 18:17

Instrument :

MSVOA_U

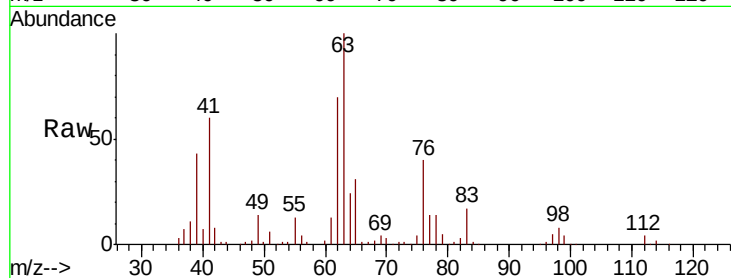
ClientSampled :

Tot Ion: 63 Resp: 146679

Ion Ratio Lower Upper

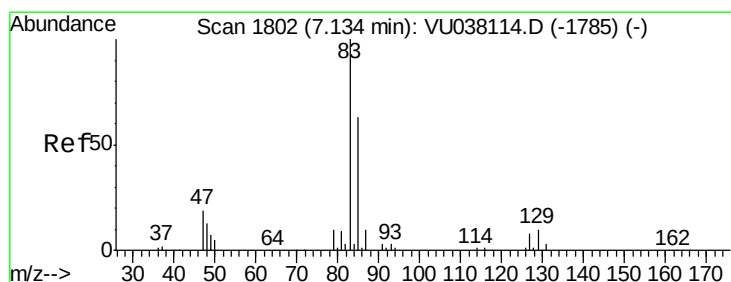
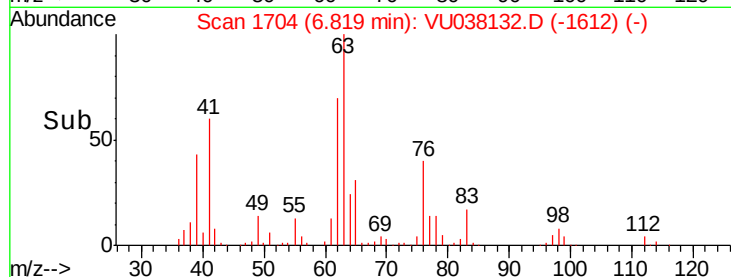
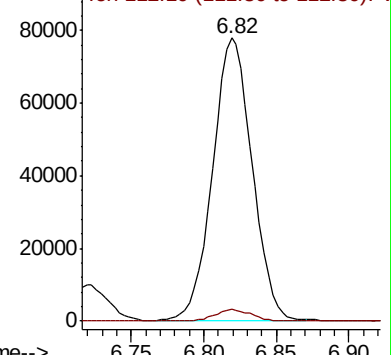
63 100

112 3.9 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU038114.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU038114.D (-1687) (-)



#38

Bromodichloromethane

Concen: 4.647 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU038132.D

Acq: 12 May 2020 18:17

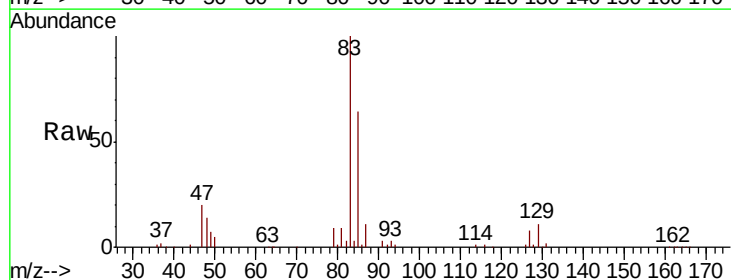
Tgt Ion: 83 Resp: 172005

Ion Ratio Lower Upper

83 100

85 64.2 44.6 82.8

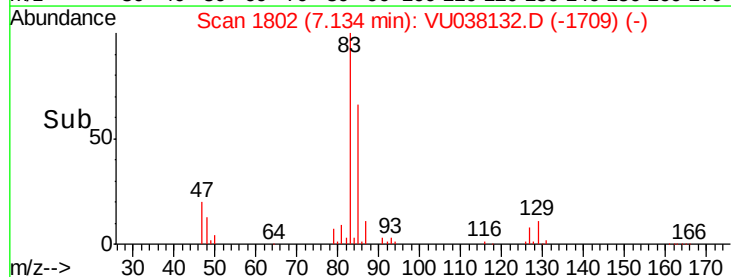
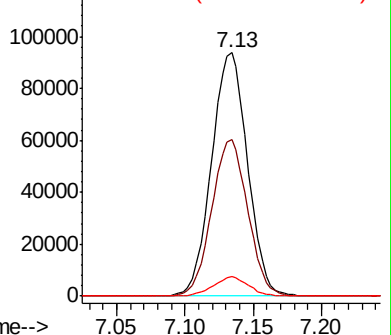
127 7.8 6.4 9.6

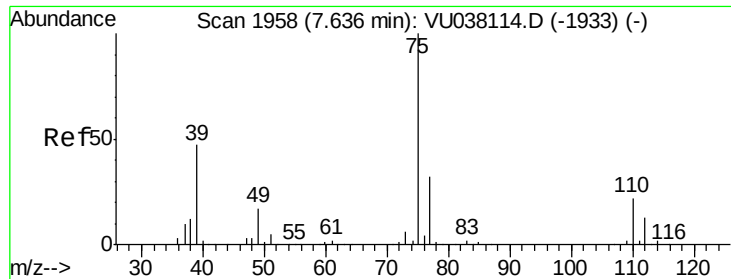


Abundance Ion 82.95 (82.65 to 83.65): VU038114.D (-1785) (-)

Ion 85.00 (84.70 to 85.70): VU038114.D (-1785) (-)

Ion 126.90 (126.60 to 127.60): VU038114.D (-1785) (-)

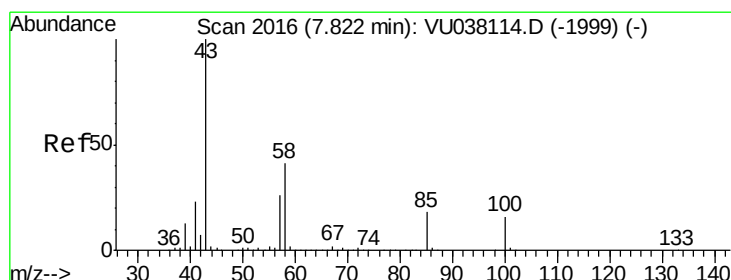
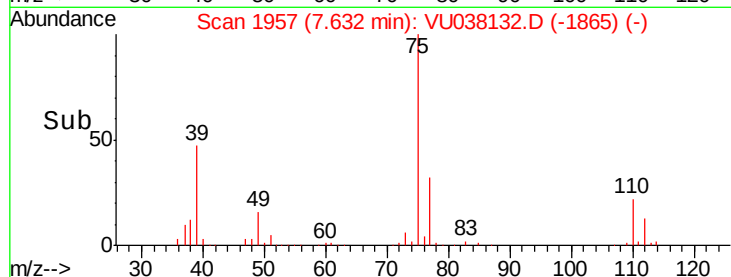
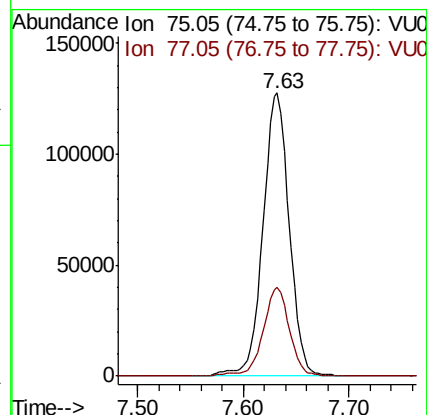
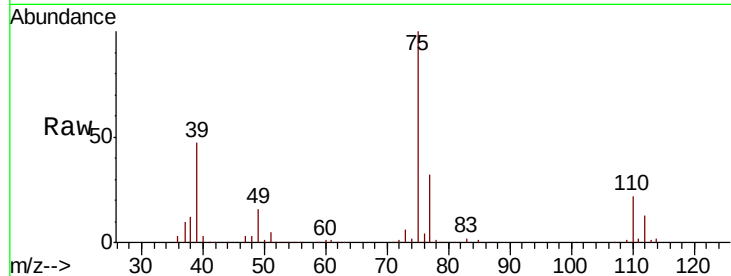




#39
 cis-1,3-Dichloropropene
 Concen: 4.850 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038132.D
 Acq: 12 May 2020 18:17

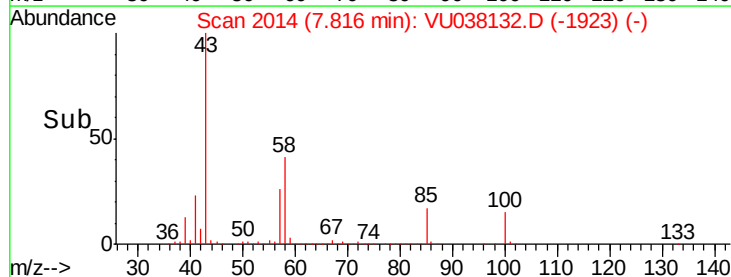
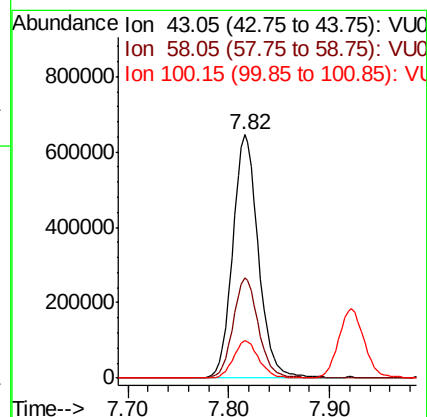
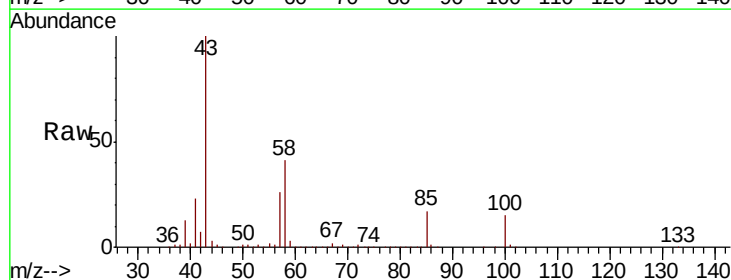
Instrument :
 MSVOA_U
 ClientSampled :

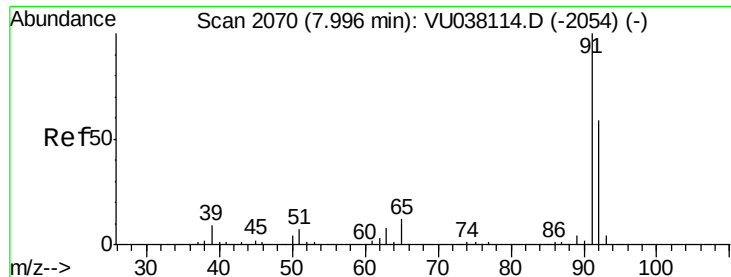
Tot Ion: 75 Resp: 222241
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 51.661 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: VU038132.D
 Acq: 12 May 2020 18:17

Tgt Ion: 43 Resp: 1146390
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.2 48.4
 100 15.2 12.1 18.1





#42

Toluene

Concen: 4.684 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038132.D

Acq: 12 May 2020 18:17

Instrument :

MSVOA_U

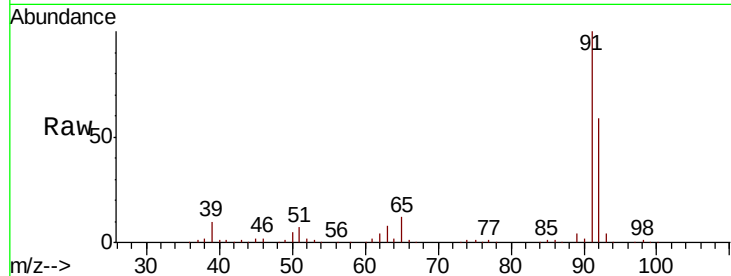
ClientSampleId :

Tot Ion: 91 Resp: 582781

Ion Ratio Lower Upper

91 100

92 59.4 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038114.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038114.D (-2054) (-)

7.99

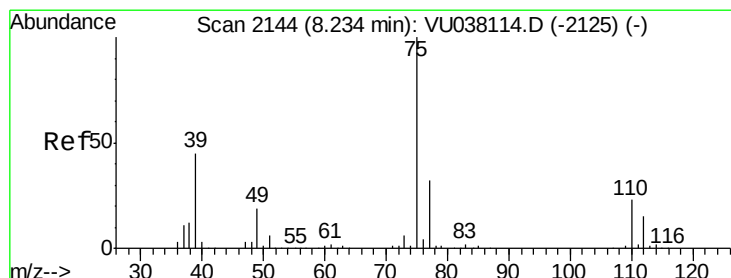
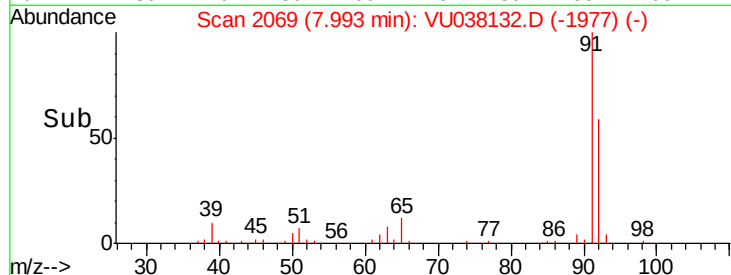
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.771 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU038132.D

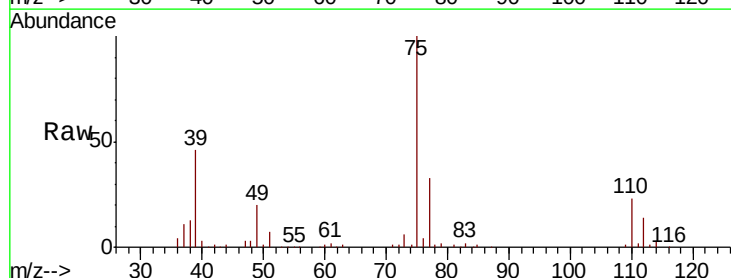
Acq: 12 May 2020 18:17

Tgt Ion: 75 Resp: 185917

Ion Ratio Lower Upper

75 100

77 32.9 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038114.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038114.D (-2125) (-)

8.23

120000

100000

80000

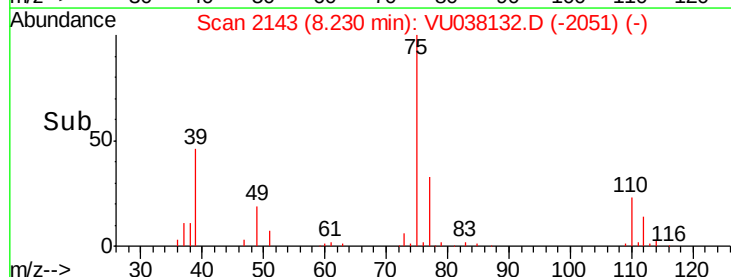
60000

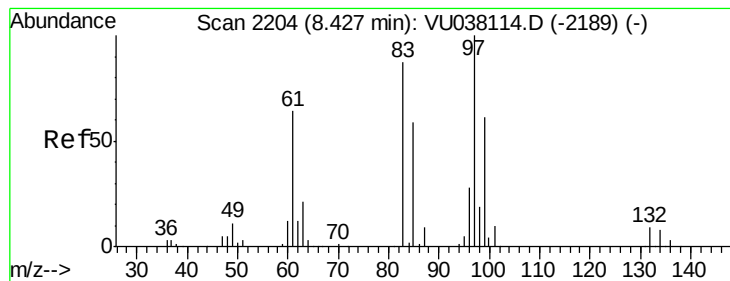
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.887 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU038132.D

Acq: 12 May 2020 18:17

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 97 Resp: 108649

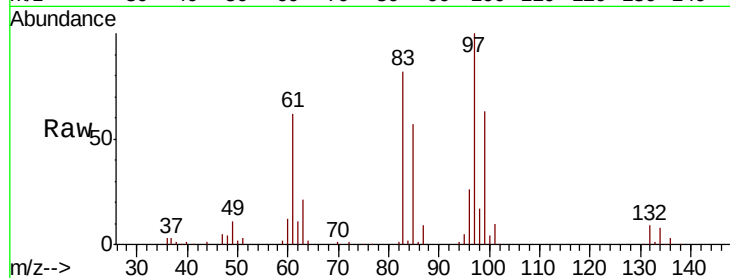
Ion Ratio Lower Upper

97 100

99 63.4 44.0 81.6

83 82.3 59.6 110.8

85 56.7 41.3 76.7

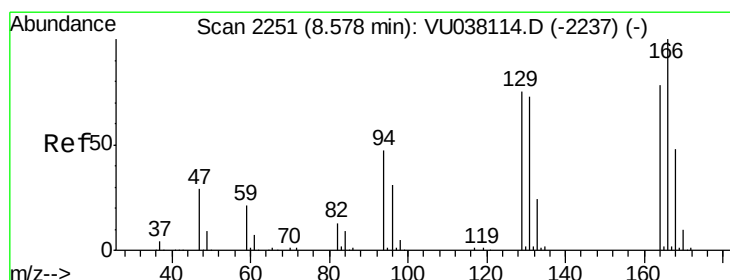
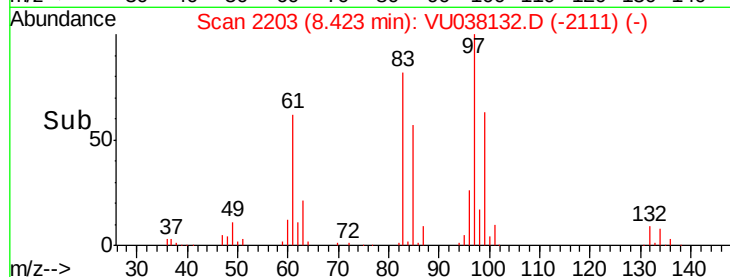
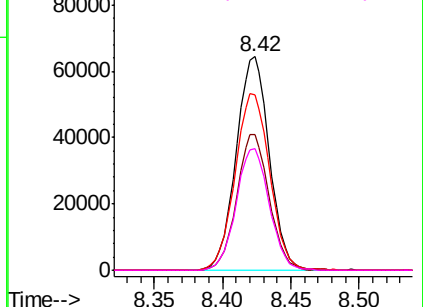


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.761 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038132.D

Acq: 12 May 2020 18:17

Tgt Ion: 164 Resp: 98175

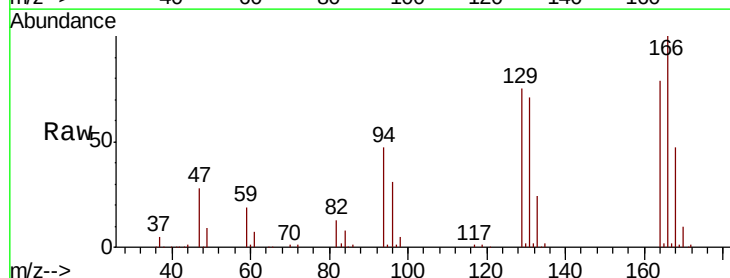
Ion Ratio Lower Upper

164 100

129 94.5 68.8 127.8

131 89.9 66.8 124.2

166 126.6 88.9 165.1

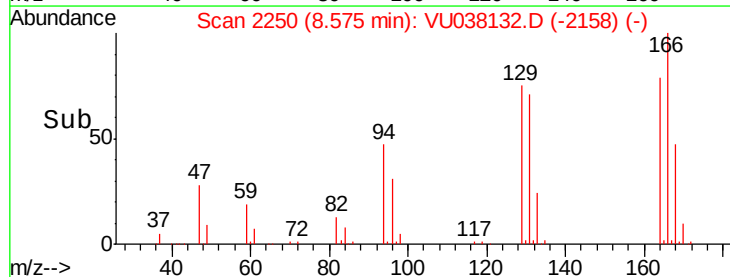
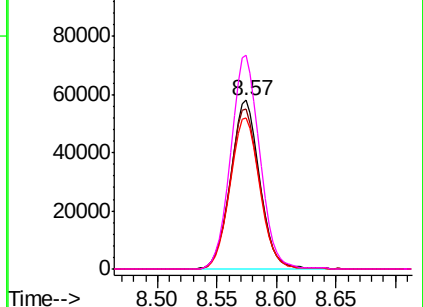


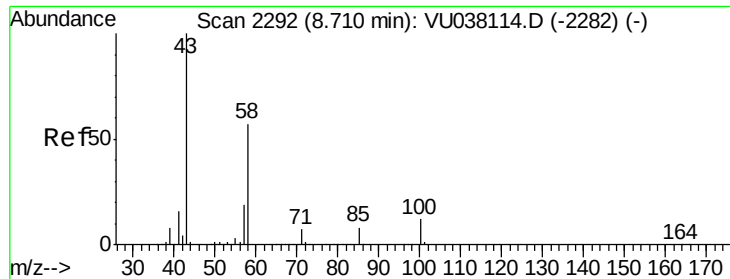
Abundance Ion 163.90 (163.60 to 164.60): V

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

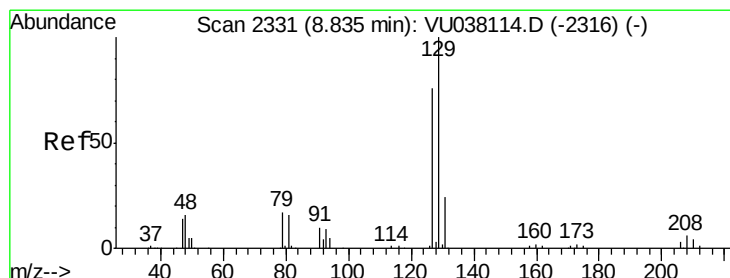
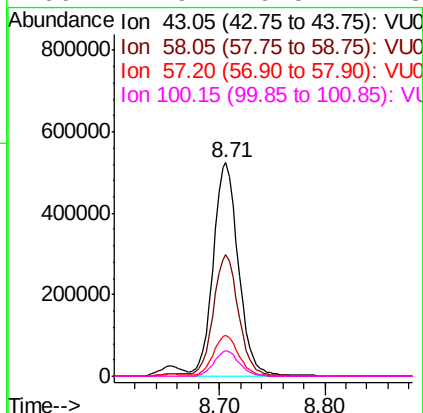
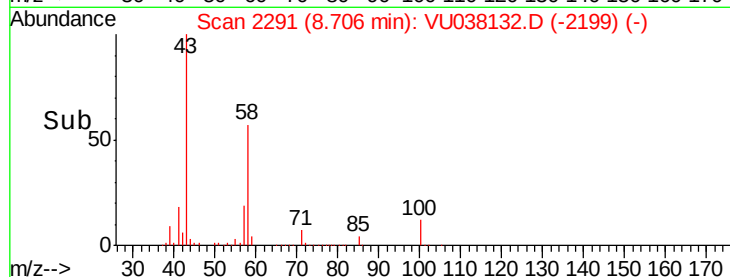
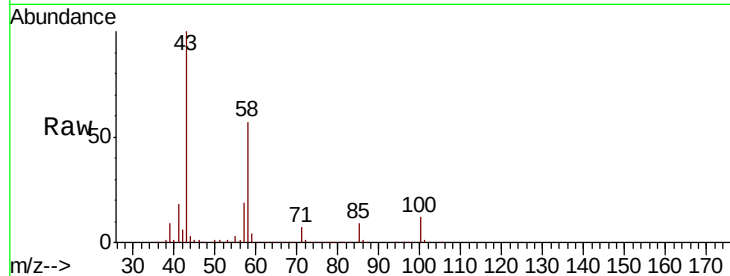




#48
2-Hexanone
Concen: 53.473 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038132.D
Acq: 12 May 2020 18:17

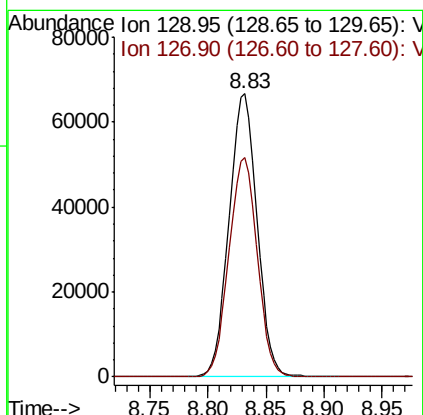
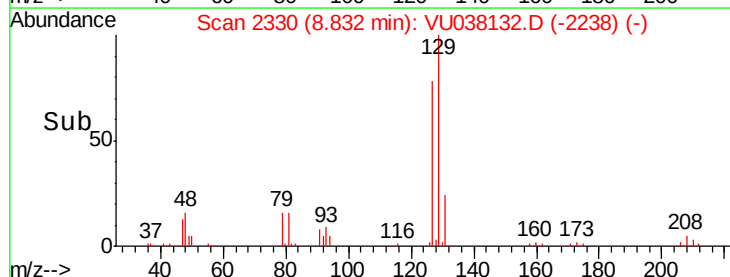
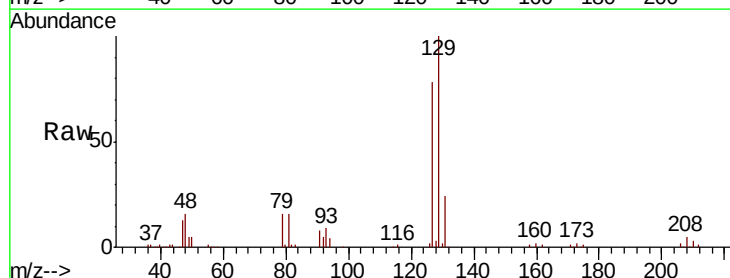
Instrument :
MSVOA_U
ClientSampled :

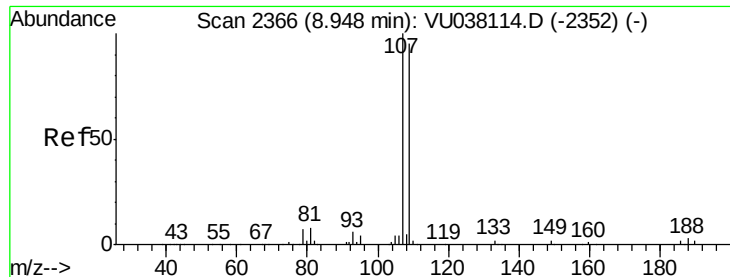
Tot Ion: 43 Resp: 868988
Ion Ratio Lower Upper
43 100
58 56.9 45.2 67.8
57 19.4 15.5 23.3
100 11.9 9.5 14.3



#49
Dibromochloromethane
Concen: 4.818 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038132.D
Acq: 12 May 2020 18:17

Tgt Ion: 129 Resp: 111163
Ion Ratio Lower Upper
129 100
127 77.6 55.6 103.4

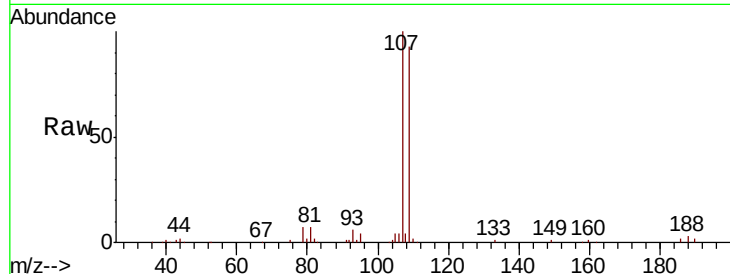




#50
1,2-Dibromoethane
Concen: 4.959 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU038132.D
Acq: 12 May 2020 18:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	65.1	120.9
188	3.4	2.6	4.0

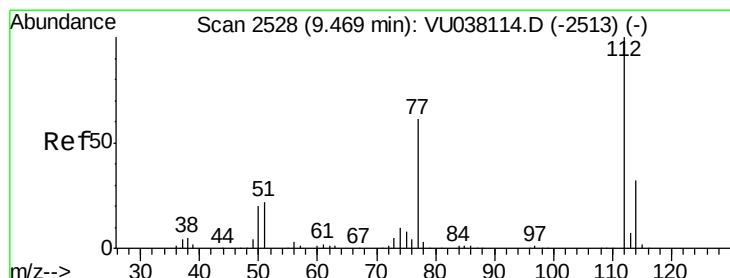
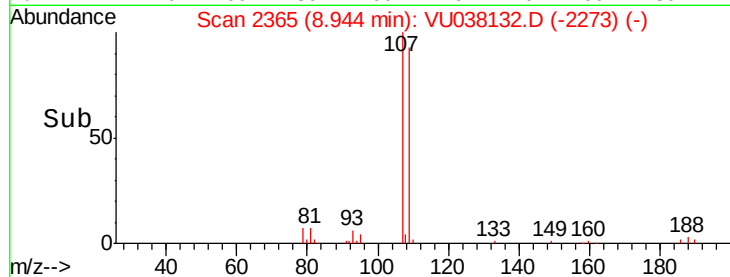
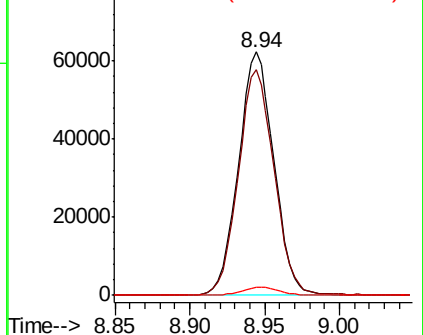


Abundance

Ion 106.95 (106.65 to 107.65): V

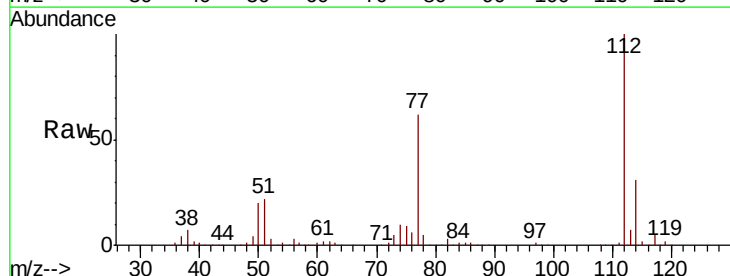
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 4.719 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038132.D
Acq: 12 May 2020 18:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.5	41.7
77	61.5	49.9	74.9

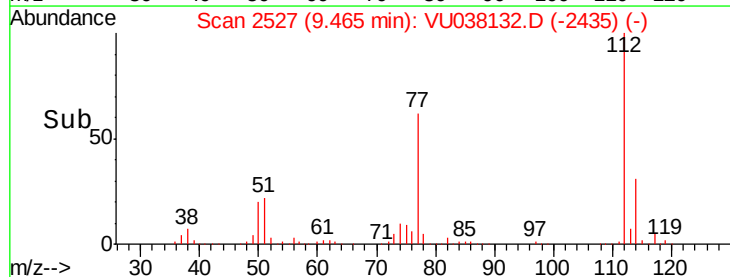
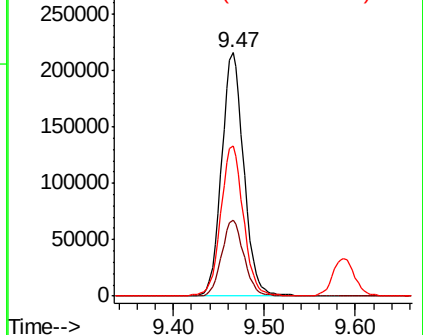


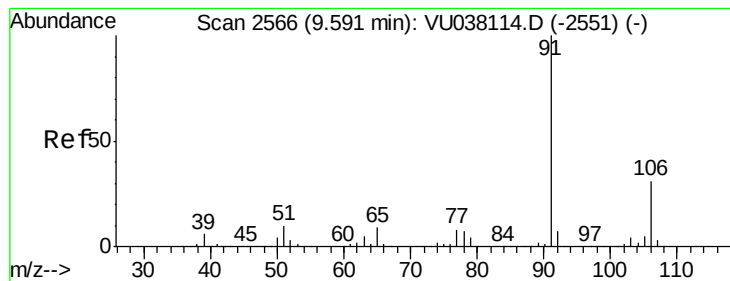
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 4.714 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038132.D

Acq: 12 May 2020 18:17

Instrument :

MSVOA_U

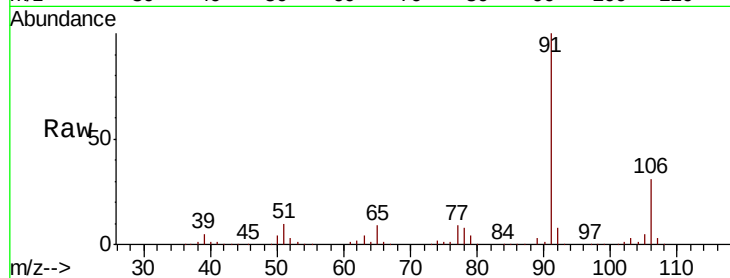
ClientSampleId :

Tot Ion: 91 Resp: 635371

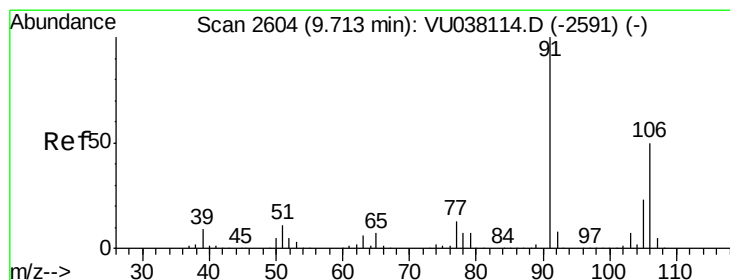
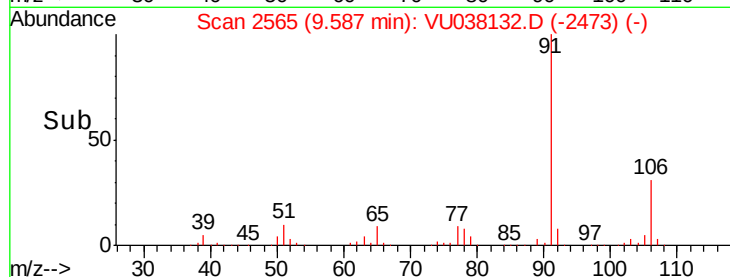
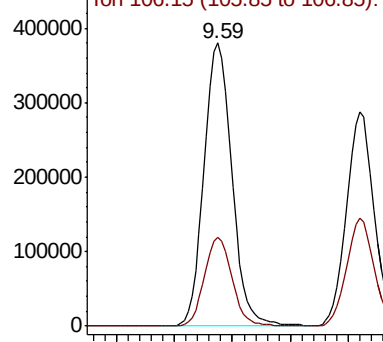
Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038114.D (-2551) (-)



#53

m,p-Xylene

Concen: 4.760 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038132.D

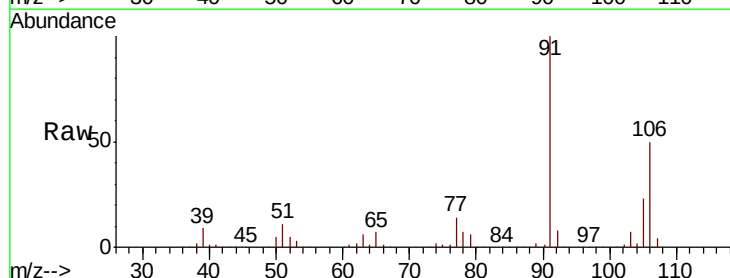
Acq: 12 May 2020 18:17

Tgt Ion: 106 Resp: 246028

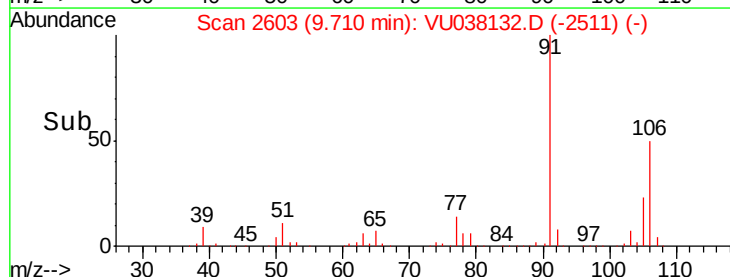
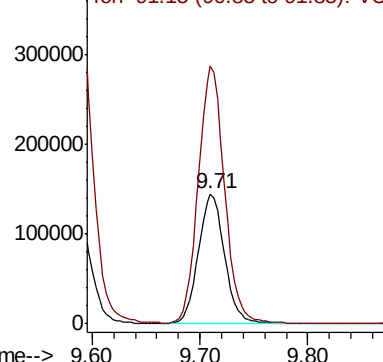
Ion Ratio Lower Upper

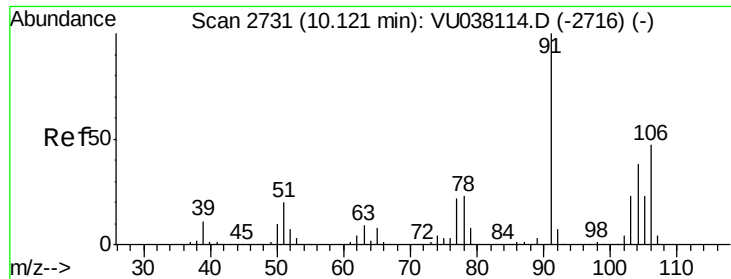
106 100

91 198.1 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038114.D (-2591) (-)

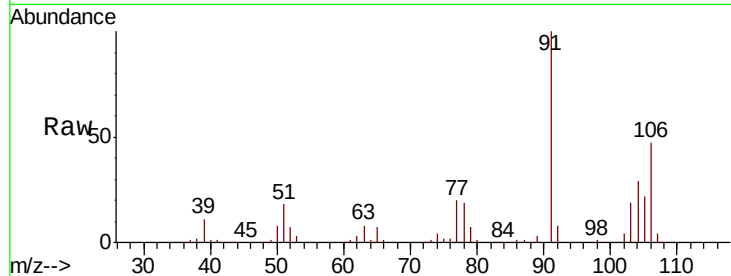




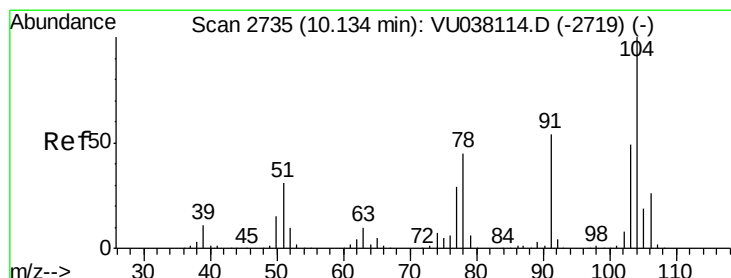
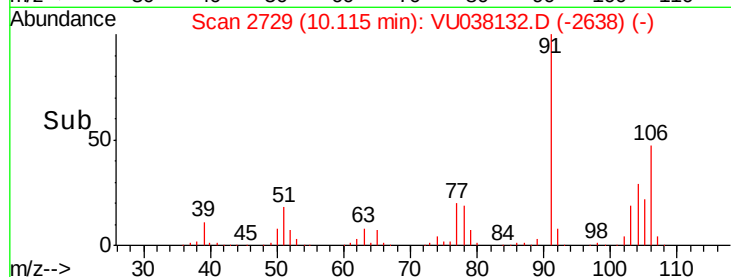
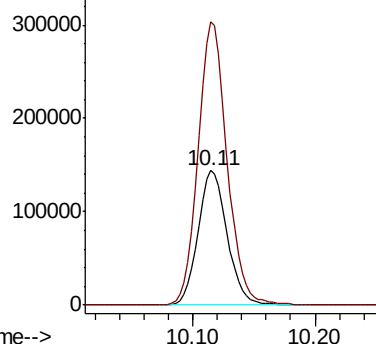
#54
o-Xylene
Concen: 4.819 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.01 min
Lab File: VU038132.D
Acq: 12 May 2020 18:17

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 240820
Ion Ratio Lower Upper
106 100
91 210.8 148.5 275.9

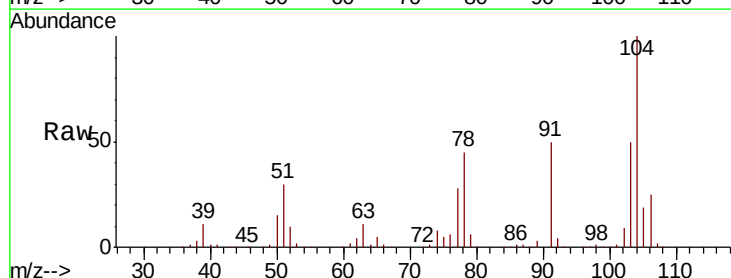


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

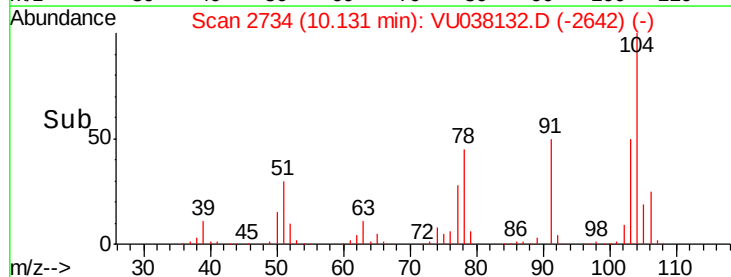
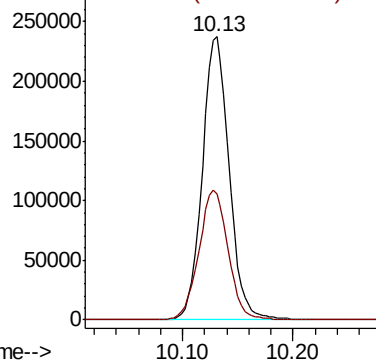


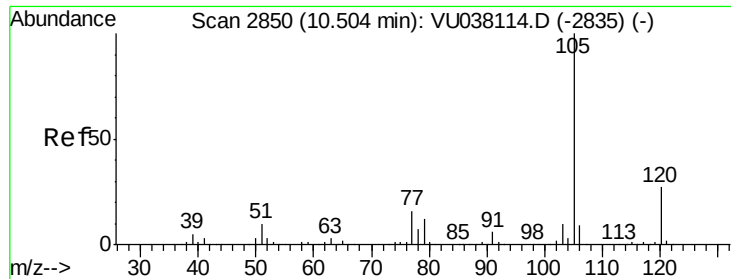
#55
Styrene
Concen: 4.774 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038132.D
Acq: 12 May 2020 18:17

Tgt Ion:104 Resp: 400507
Ion Ratio Lower Upper
104 100
78 44.6 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: 4.828 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.01 min

Lab File: VU038132.D

Acq: 12 May 2020 18:17

Instrument :

MSVOA_U

ClientSampled :

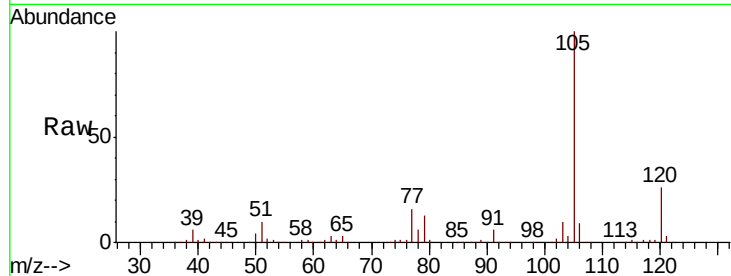
Tot Ion:105 Resp: 619704

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.6

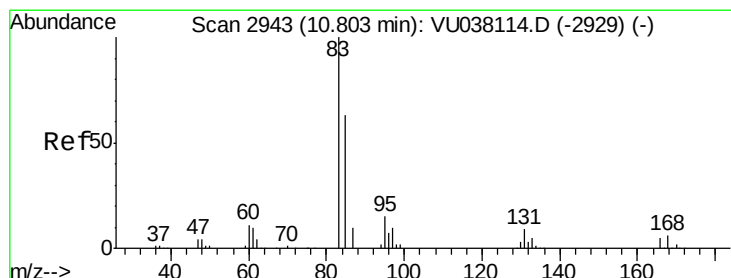
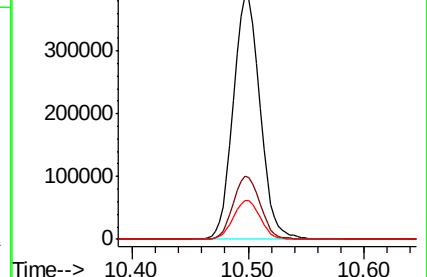
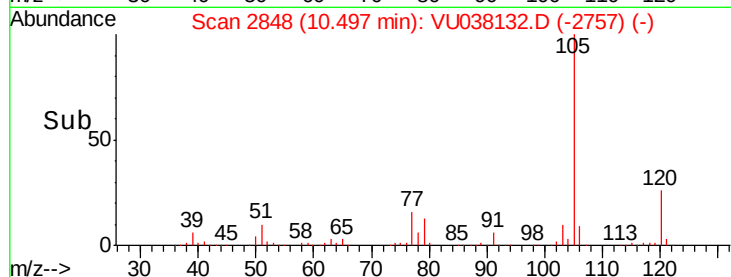
77 16.0 13.0 19.4



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: 5.086 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.01 min

Lab File: VU038132.D

Acq: 12 May 2020 18:17

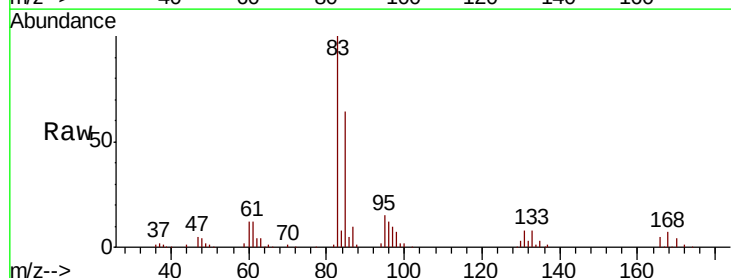
Tgt Ion: 83 Resp: 143581

Ion Ratio Lower Upper

83 100

85 63.8 47.0 87.2

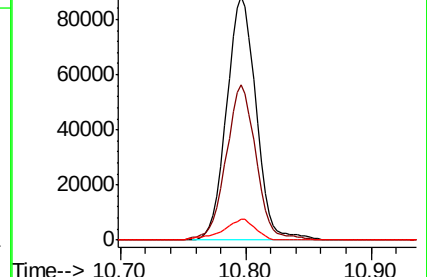
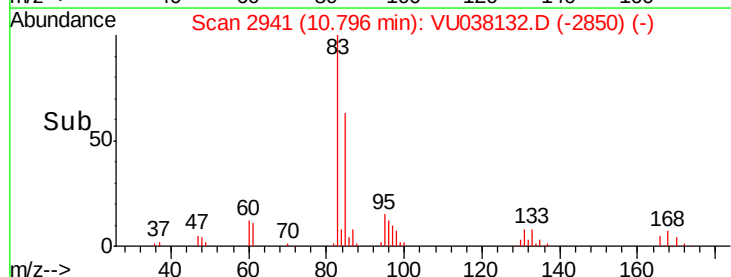
131 8.4 7.7 11.5

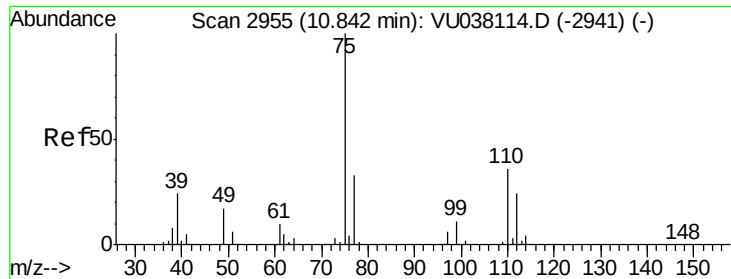


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.125 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038132.D

Acq: 12 May 2020 18:17

Instrument :

MSVOA_U

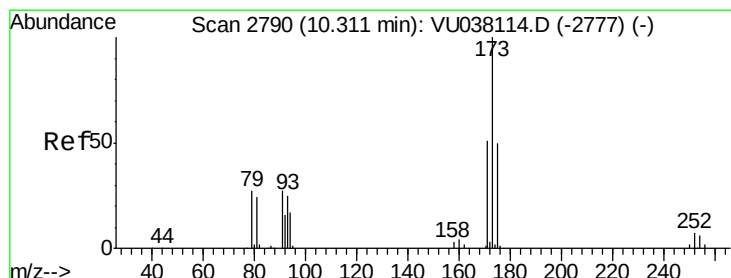
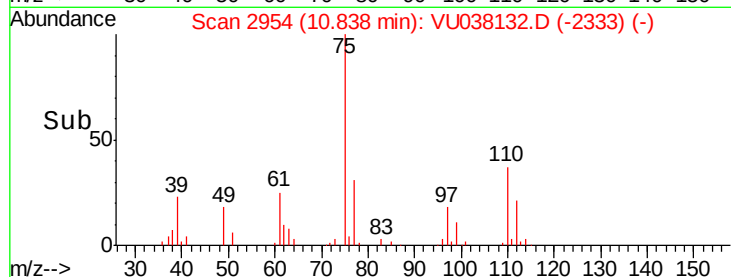
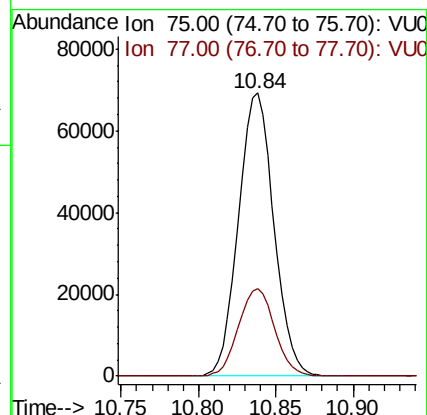
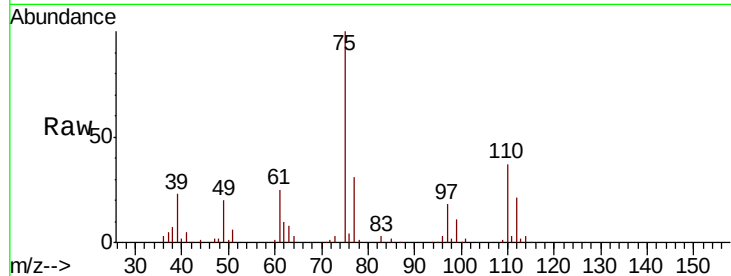
ClientSampleId :

Tot Ion: 75 Resp: 110137

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0



#61

Bromoform

Concen: 4.903 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038132.D

Acq: 12 May 2020 18:17

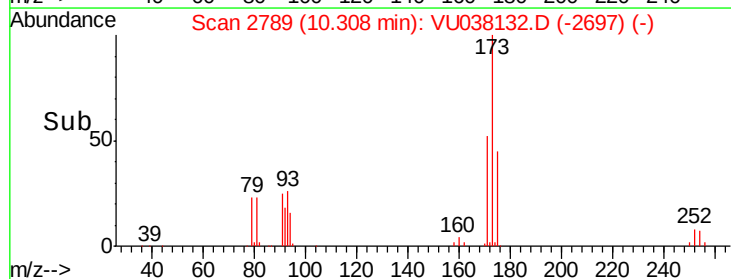
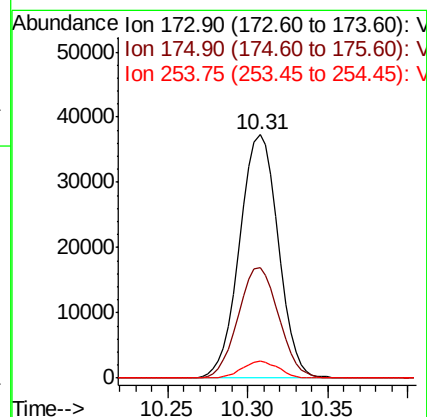
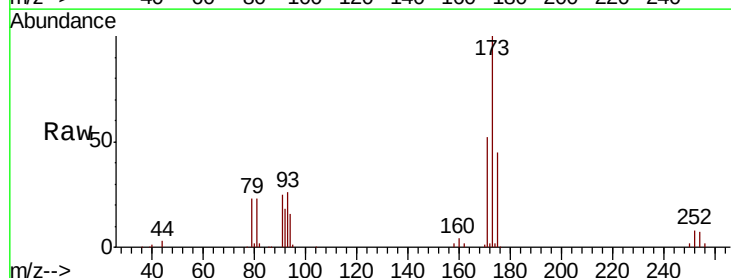
Tgt Ion: 173 Resp: 61384

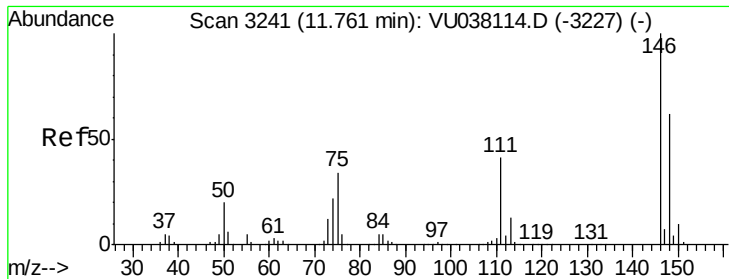
Ion Ratio Lower Upper

173 100

175 47.6 39.5 59.3

254 6.5 5.0 7.4

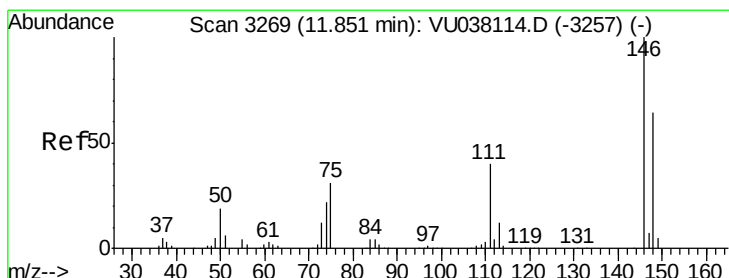
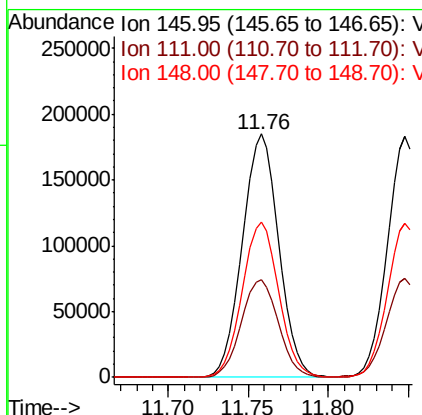
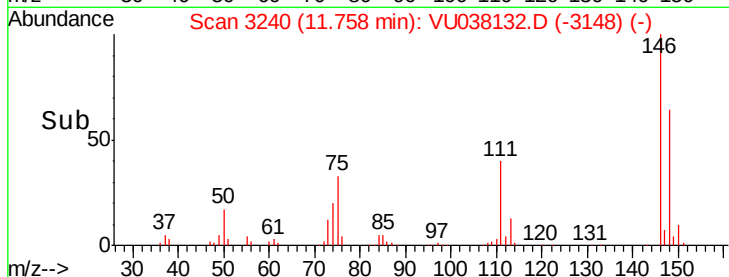
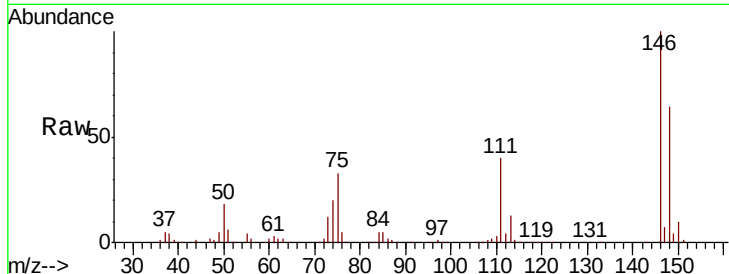




#62
 1,3-Dichlorobenzene
 Concen: 4.753 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038132.D
 Acq: 12 May 2020 18:17

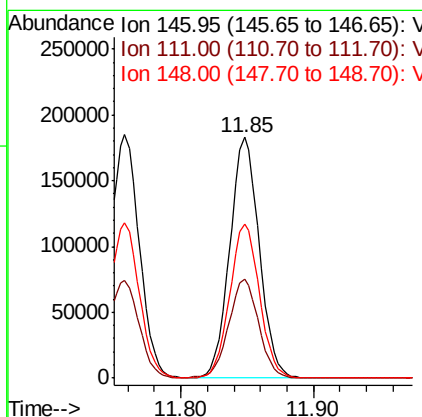
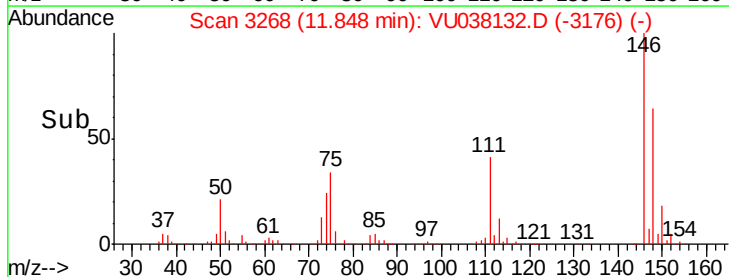
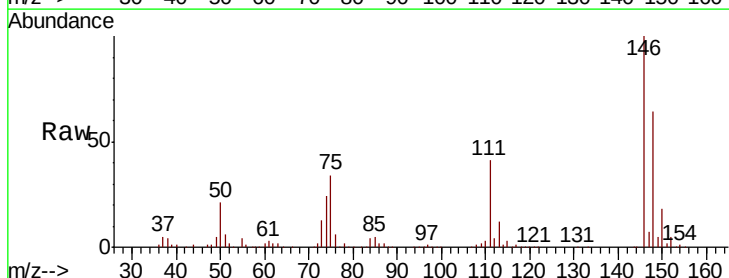
Instrument :
 MSVOA_U
 ClientSampled :

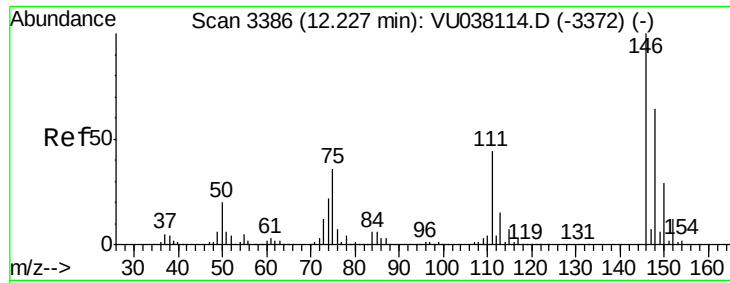
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	28.6	53.2
148	64.0	45.2	84.0



#63
 1,4-Dichlorobenzene
 Concen: 4.620 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038132.D
 Acq: 12 May 2020 18:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	27.2	50.6
148	64.1	43.8	81.3

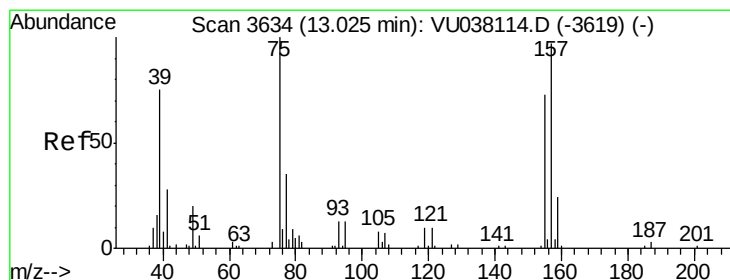
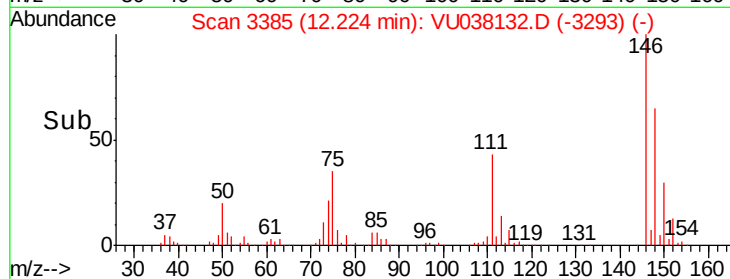
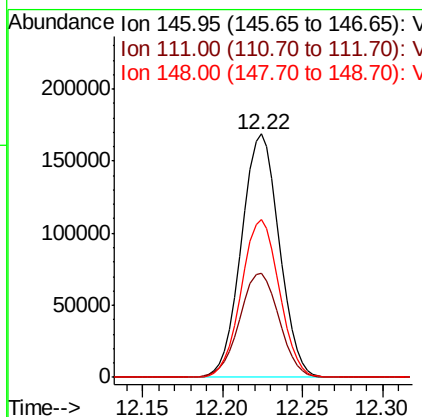
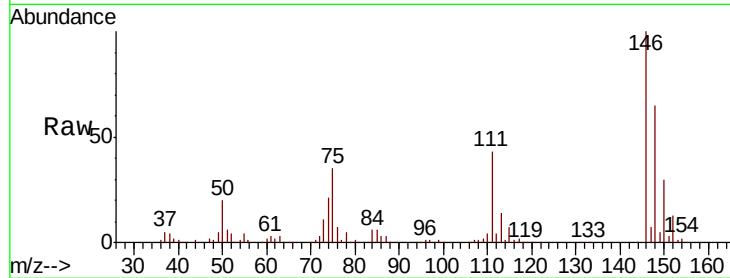




#65
 1,2-Dichlorobenzene
 Concen: 4.691 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038132.D
 Acq: 12 May 2020 18:17

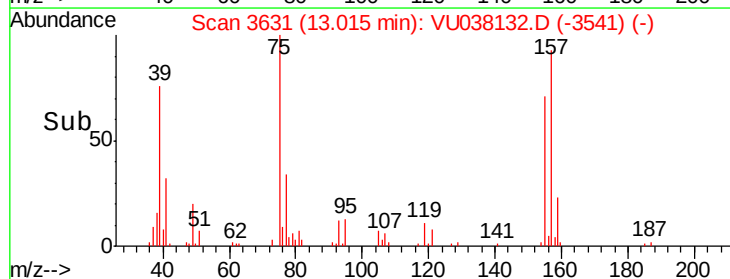
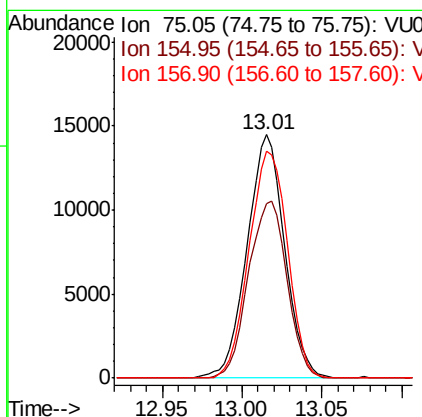
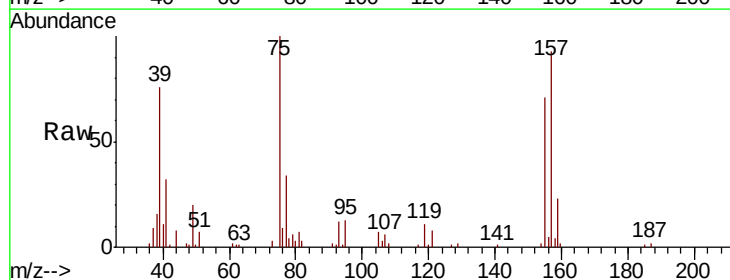
Instrument :
 MSVOA_U
 ClientSampled :

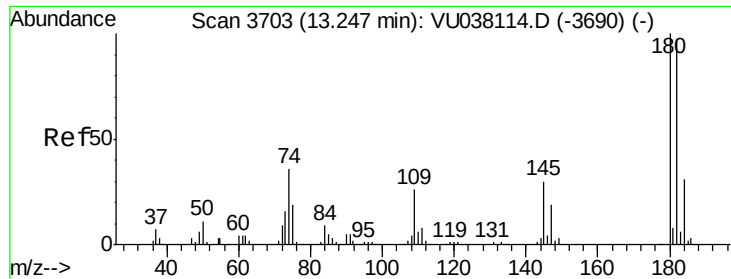
Tot Ion:146 Resp: 271940
 Ion Ratio Lower Upper
 146 100
 111 42.6 35.3 52.9
 148 64.9 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.905 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.01 min
 Lab File: VU038132.D
 Acq: 12 May 2020 18:17

Tgt Ion: 75 Resp: 23242
 Ion Ratio Lower Upper
 75 100
 155 71.5 58.2 87.2
 157 93.0 72.9 109.3

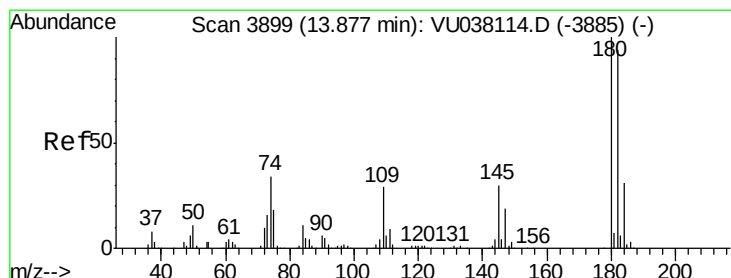
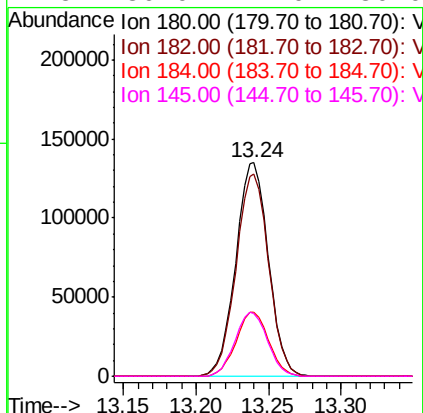
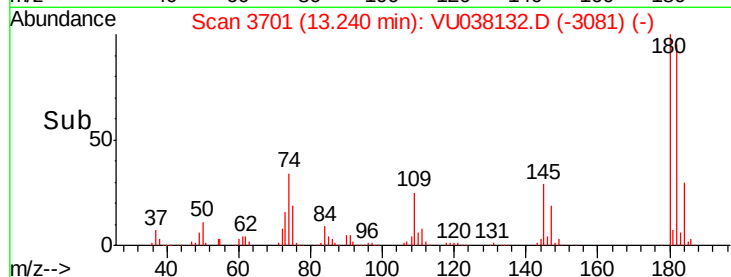
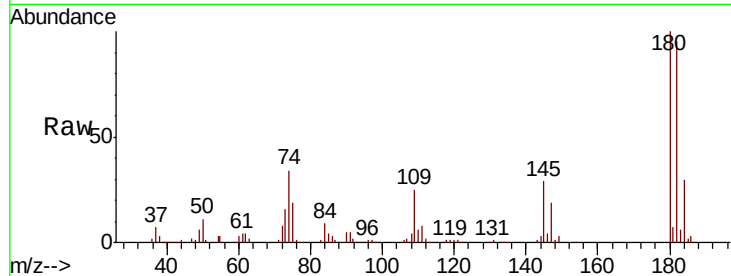




#67
 1,3,5-Trichlorobenzene
 Concen: 4.812 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.01 min
 Lab File: VU038132.D
 Acq: 12 May 2020 18:17

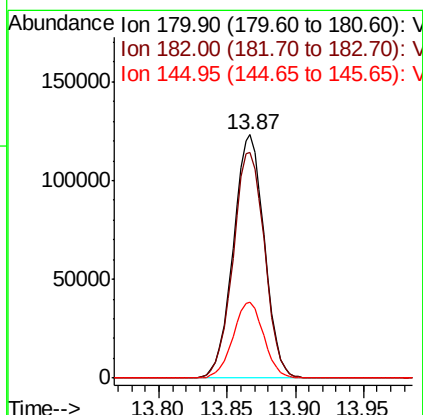
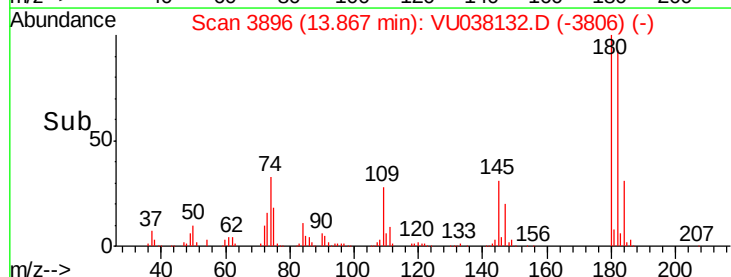
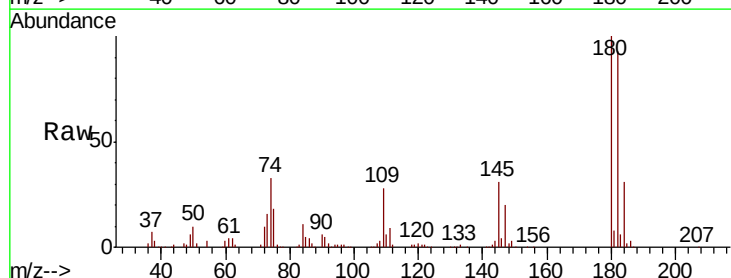
Instrument :
 MSVOA_U
 ClientSampleId :

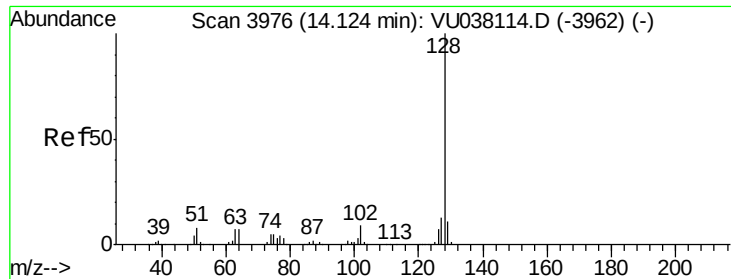
Tot Ion:180	Resp:	210436
Ion Ratio	Lower	Upper
180	100	
182	95.0	77.4 116.2
184	30.0	24.2 36.2
145	30.0	24.0 36.0



#68
 1,2,4-trichlorobenzene
 Concen: 4.897 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU038132.D
 Acq: 12 May 2020 18:17

Tgt Ion:180	Resp:	194217
Ion Ratio	Lower	Upper
180	100	
182	94.3	75.0 112.6
145	30.9	24.8 37.2





#69

Naphthalene

Concen: 5.017 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038132.D

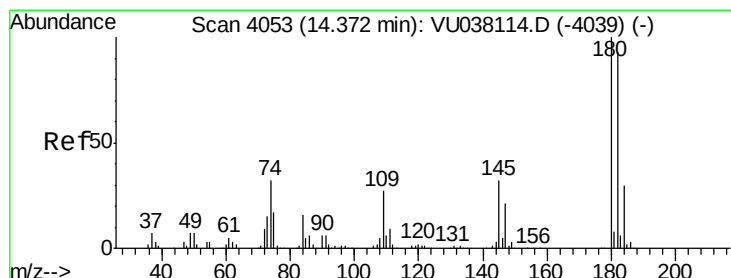
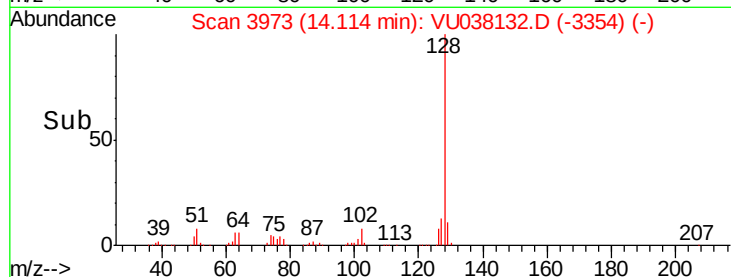
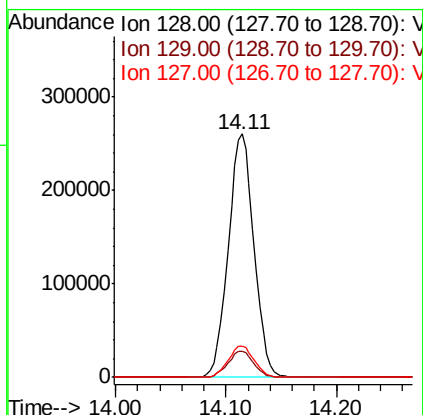
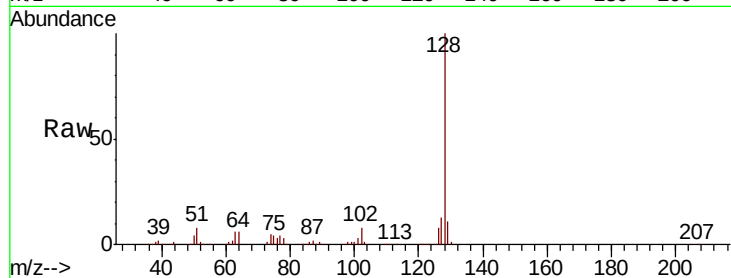
Acq: 12 May 2020 18:17

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128	Resp:	418876
Ion	Ratio	Lower Upper
128	100	
129	10.8	8.7 13.1
127	13.1	10.2 15.4



#70

1,2,3-Trichlorobenzene

Concen: 4.924 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU038132.D

Acq: 12 May 2020 18:17

Tgt Ion:180	Resp:	181521
Ion	Ratio	Lower Upper
180	100	
182	94.5	76.3 114.5
145	33.0	26.1 39.1

