

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052220\
 Data File : VU038278.D
 Acq On : 22 May 2020 13:11
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 22 22:17:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 22 12:07:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	366925	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	357082	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	184074	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	130554	3.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.80%
7) Chloroethane-d5	1.93	69	106386	3.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.20%
11) 1,1-Dichloroethene-d2	2.59	63	256841	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.60%
20) 2-Butanone-d5	4.67	46	425799	51.42	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.84%
24) Chloroform-d	5.10	84	249768	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.74	65	139189	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.76	84	510816	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.72	67	160032	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.92	98	474037	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	8.20	79	69417	5.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.40%
46) 2-Hexanone-d5	8.66	63	332001	50.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.64%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	135362	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	180253	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	185755	5.535	ug/L	98
3) Chloromethane	1.53	50	165271	4.087	ug/L	98
5) Vinyl chloride	1.62	62	181644	4.584	ug/L	98
6) Bromomethane	1.87	94	83580	3.705	ug/L	98
8) Chloroethane	1.95	64	104482	4.286	ug/L	100
9) Trichlorofluoromethane	2.16	101	222150	5.483	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	137644	5.480	ug/L	98
12) 1,1-Dichloroethene	2.61	96	134682	5.289	ug/L	82
13) Acetone	2.66	43	273245	52.594	ug/L	98
14) Carbon disulfide	2.82	76	467211	5.144	ug/L	100
15) Methyl Acetate	2.98	43	70629	4.860	ug/L	97
16) Methylene chloride	3.08	84	148042	4.988	ug/L	97
17) Methyl tert-butyl Ether	3.40	73	357427	5.052	ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	144841	5.210	ug/L	99
19) 1,1-Dichloroethane	3.91	63	265937	4.898	ug/L	99
21) 2-Butanone	4.75	43	480092	52.354	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	154380	5.153	ug/L	98

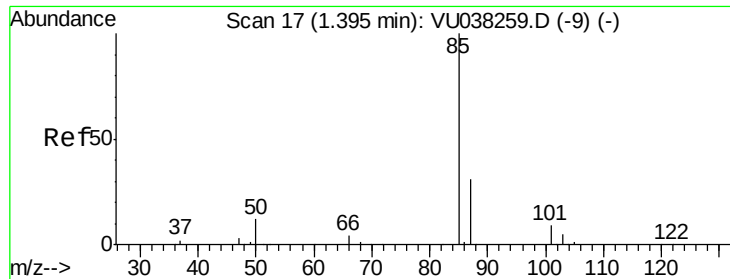
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052220\
 Data File : VU038278.D
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 MSVOA_U
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Quant Time: May 22 22:17:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 22 12:07:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	65354	5.069	ug/L	99
25) Chloroform	5.13	83	259106	5.116	ug/L	100
27) 1,2-Dichloroethane	5.83	62	178436	4.991	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	224240	5.481	ug/L	98
30) Cyclohexane	5.42	56	265000	5.486	ug/L	99
31) Carbon tetrachloride	5.56	117	187547	5.704	ug/L	99
33) Benzene	5.81	78	607480	5.313	ug/L	100
34) Trichloroethene	6.57	95	152177	5.321	ug/L	98
35) Methylcyclohexane	6.79	83	260521	5.623	ug/L	97
37) 1,2-Dichloropropane	6.82	63	152861	4.922	ug/L	98
38) Bromodichloromethane	7.13	83	185234	5.159	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	232290	5.226	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	1106462	51.400	ug/L	99
42) Toluene	8.00	91	634880	5.260	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	197444	5.223	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	111182	5.155	ug/L	97
47) Tetrachloroethene	8.58	164	111270	5.562	ug/L	98
48) 2-Hexanone	8.71	43	818777	51.937	ug/L	99
49) Dibromochloromethane	8.83	129	118603	5.299	ug/L	98
50) 1,2-Dibromoethane	8.95	107	107248	5.358	ug/L	98
51) Chlorobenzene	9.47	112	399299	5.330	ug/L	99
52) Ethylbenzene	9.59	91	717567	5.488	ug/L	99
53) m,p-Xylene	9.72	106	276334	5.511	ug/L	98
54) o-Xylene	10.12	106	265417	5.475	ug/L	99
55) Styrene	10.13	104	448780	5.515	ug/L	100
56) Isopropylbenzene	10.50	105	702060	5.638	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	140722	5.139	ug/L	94
59) 1,2,3-Trichloropropane	10.84	75	107594	5.161	ug/L	99
61) Bromoform	10.31	173	63899	5.136	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	311572	5.202	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	313612	5.168	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	295591	5.130	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	23025	4.889	ug/L	84
67) 1,3,5-Trichlorobenzene	13.24	180	237242	5.459	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	221016	5.607	ug/L	99
69) Naphthalene	14.12	128	452208	5.449	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	200259	5.466	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.535 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

Instrument :

MSVOA_U

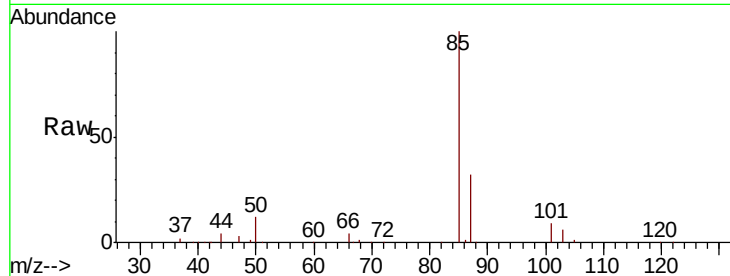
ClientSampleId :

Tot Ion: 85 Resp: 185755

Ion Ratio Lower Upper

85 100

87 31.5 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038278.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU038278.D (-1) (-)

1.39

200000

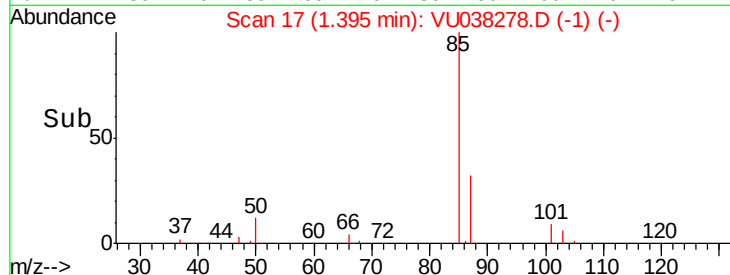
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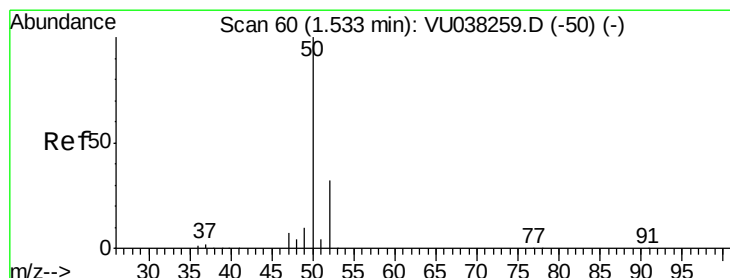
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 4.087 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038278.D

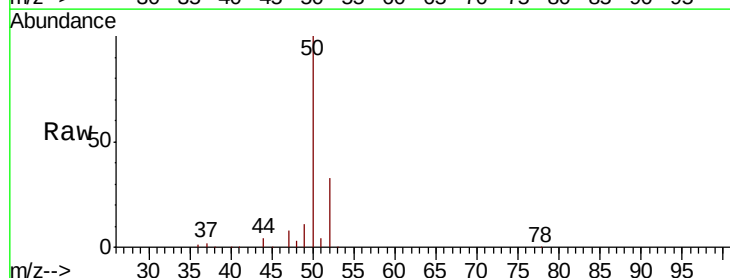
Acq: 22 May 2020 13:11

Tgt Ion: 50 Resp: 165271

Ion Ratio Lower Upper

50 100

52 33.3 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU038278.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU038278.D (-1) (-)

1.53

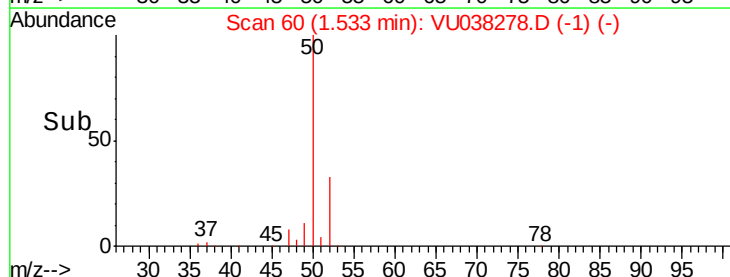
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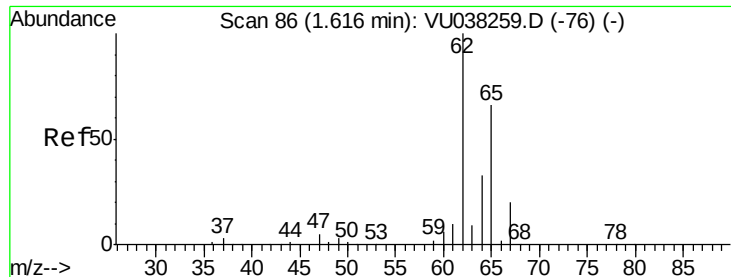
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Time-->



Time-->



#5

Vinyl chloride

Concen: 4.584 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

Instrument :

MSVOA_U

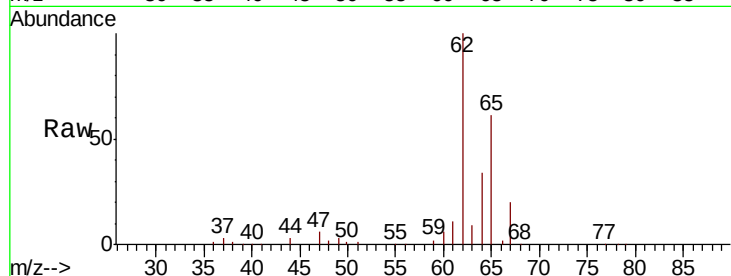
ClientSampleId :

Tot Ion: 62 Resp: 181644

Ion Ratio Lower Upper

62 100

64 33.9 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU038259.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU038259.D (-76) (-)

1.62

150000

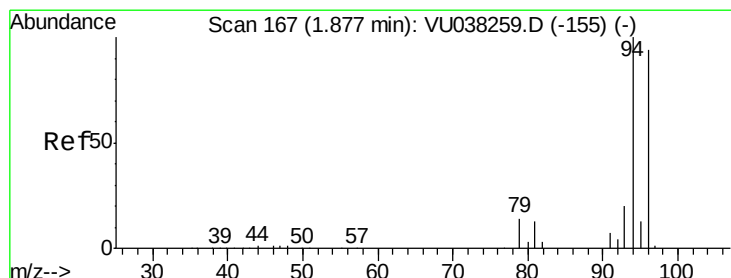
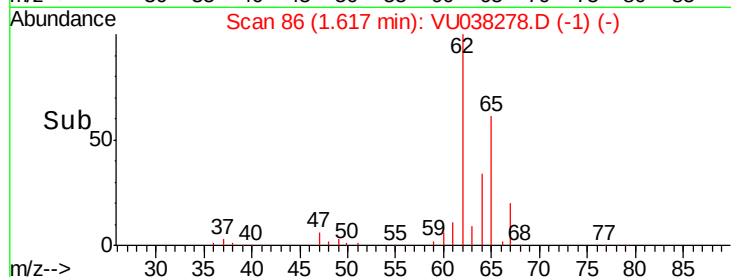
100000

50000

0

Time-->

1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 3.705 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038278.D

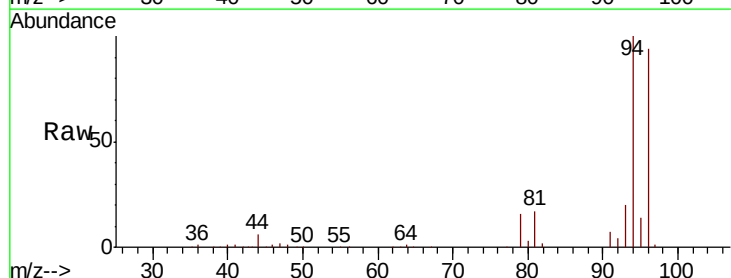
Acq: 22 May 2020 13:11

Tgt Ion: 94 Resp: 83580

Ion Ratio Lower Upper

94 100

96 94.5 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU038259.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU038259.D (-155) (-)

80000

60000

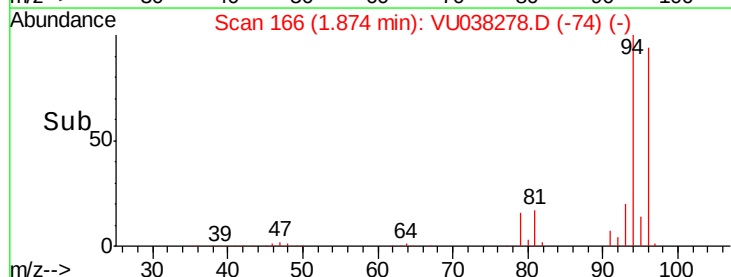
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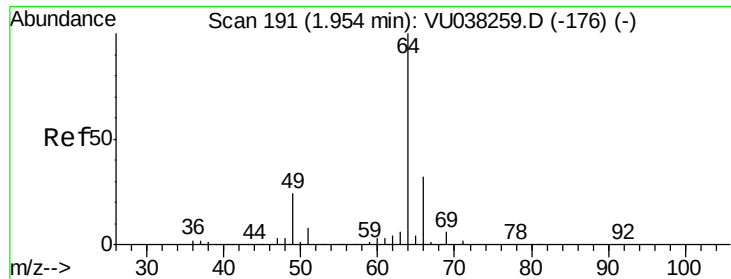
20000

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Time-->

1.85 1.90





#8

Chloroethane

Concen: 4.286 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

Instrument :

MSVOA_U

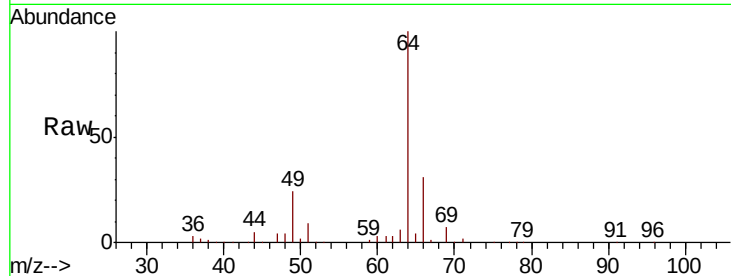
ClientSampleId :

Tot Ion: 64 Resp: 104482

Ion Ratio Lower Upper

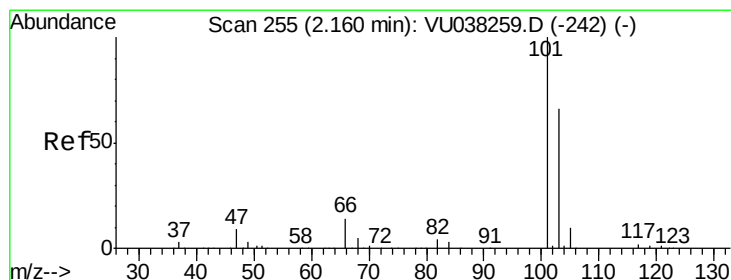
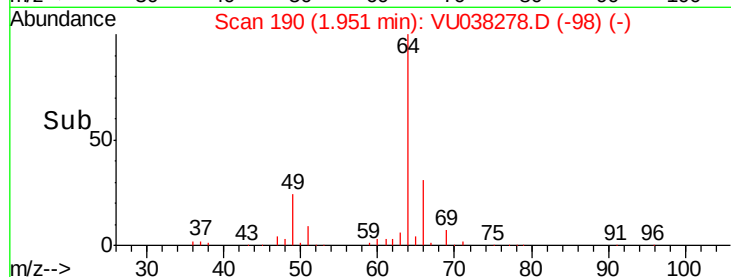
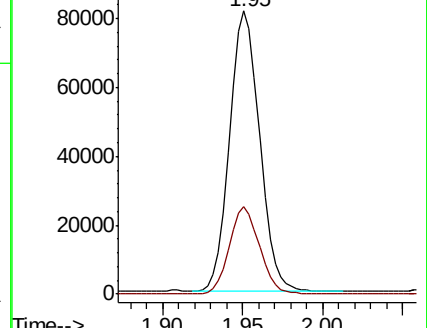
64 100

66 30.8 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VU038259.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU038259.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 5.483 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038278.D

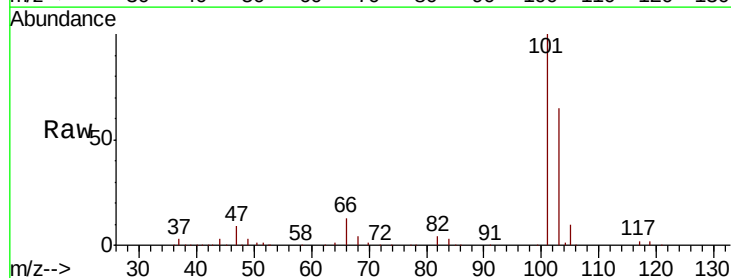
Acq: 22 May 2020 13:11

Tgt Ion:101 Resp: 222150

Ion Ratio Lower Upper

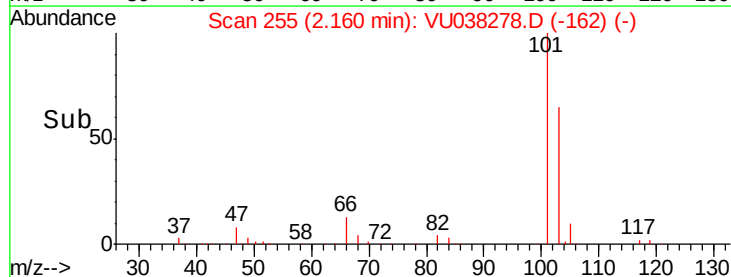
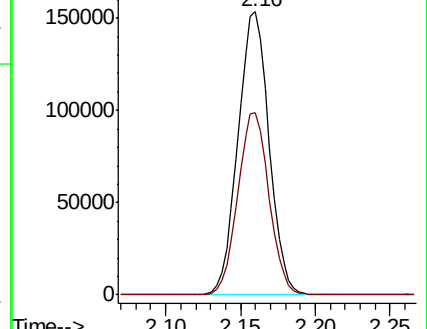
101 100

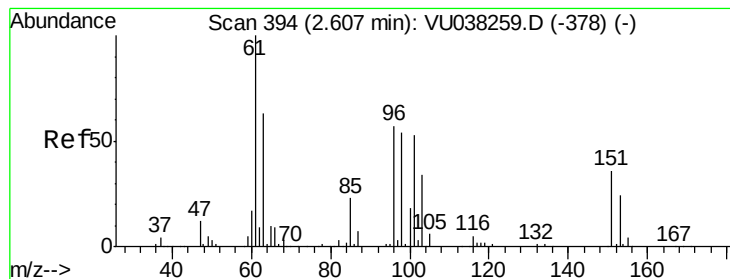
103 64.7 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038259.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038259.D (-242) (-)





#10

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

Concen: 5.480 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

Instrument :

MSVOA_U

ClientSampled :

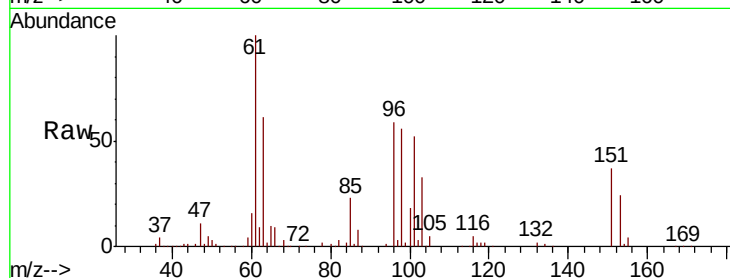
Tot Ion:101 Resp: 137644

Ion Ratio Lower Upper

101 100

85 44.5 35.3 52.9

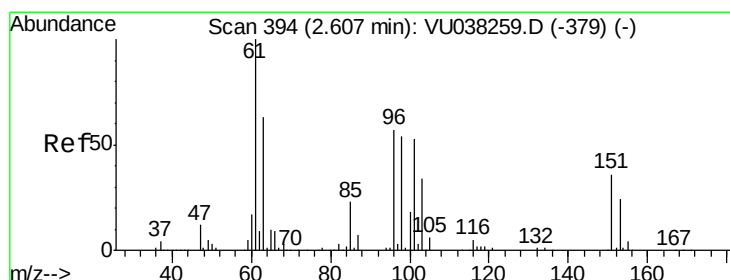
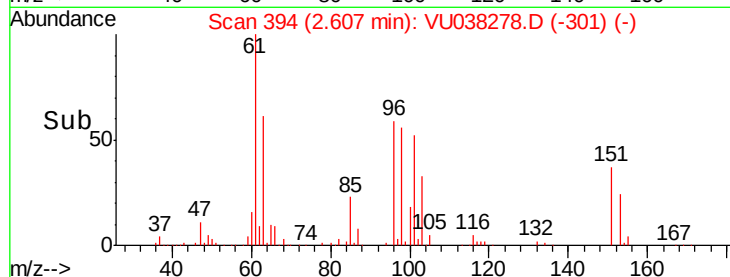
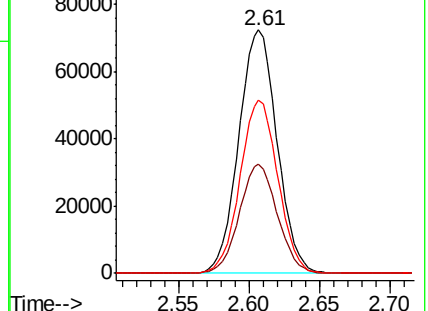
151 70.1 54.2 81.2



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: 5.289 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

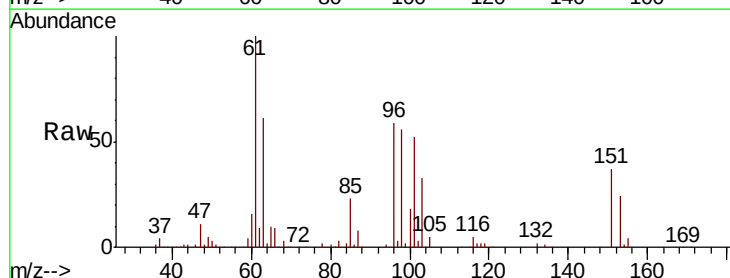
Tgt Ion: 96 Resp: 134682

Ion Ratio Lower Upper

96 100

61 168.3 126.2 234.4

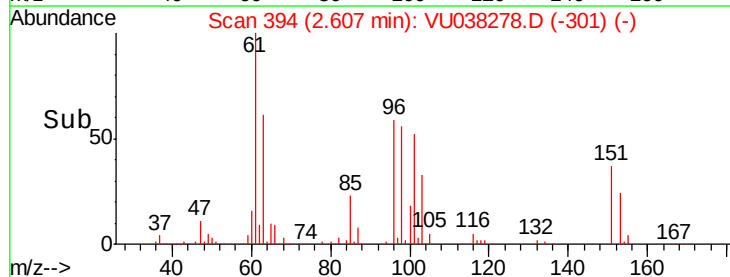
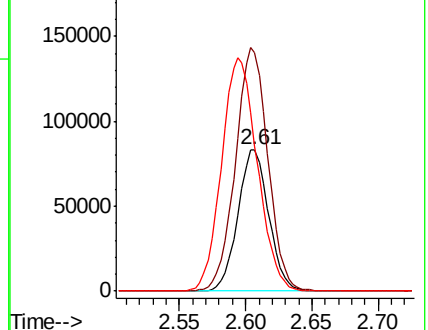
63 102.9 96.9 179.9

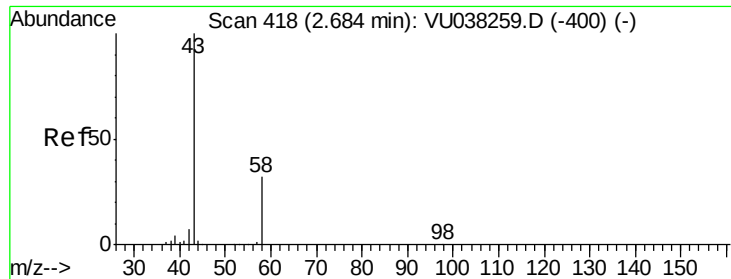


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 52.594 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.02 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

Instrument :

MSVOA_U

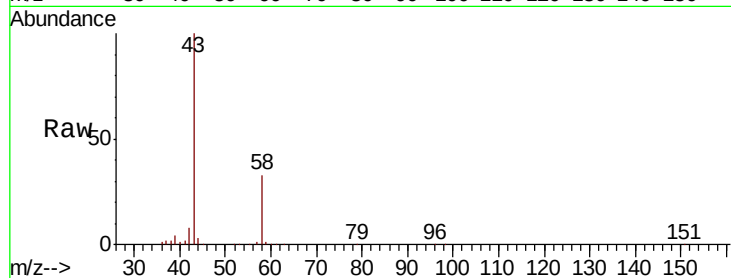
ClientSampled :

Tot Ion: 43 Resp: 273245

Ion Ratio Lower Upper

43 100

58 33.0 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.66

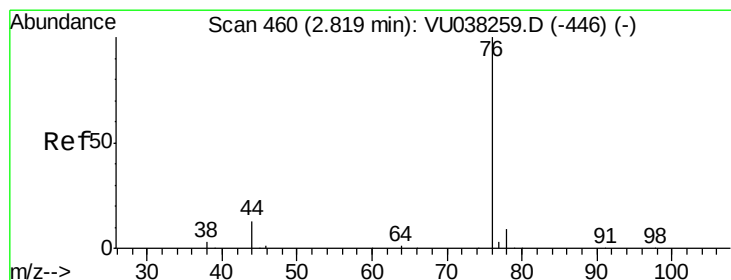
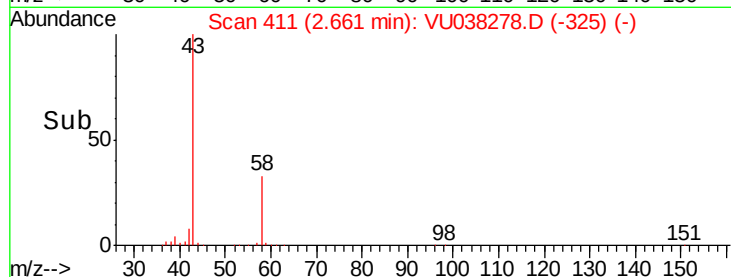
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 5.144 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038278.D

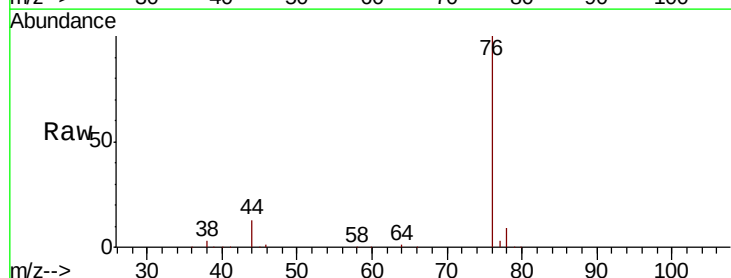
Acq: 22 May 2020 13:11

Tgt Ion: 76 Resp: 467211

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.82

300000

250000

200000

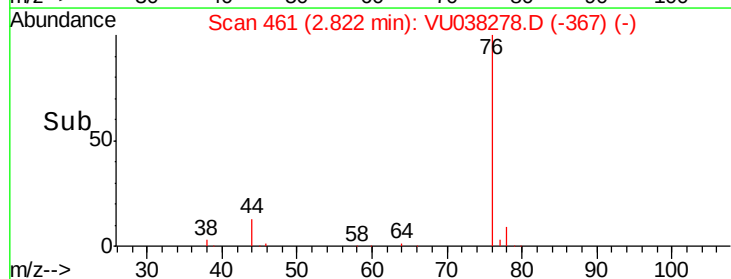
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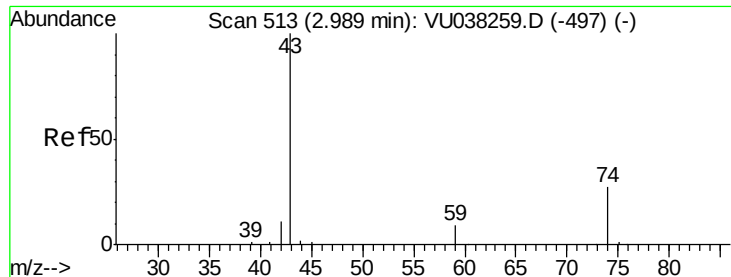
100000

50000

0

Time-->

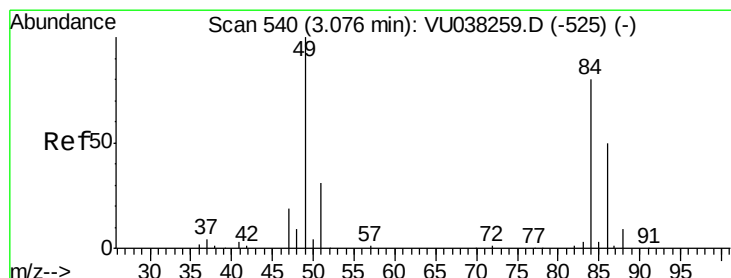
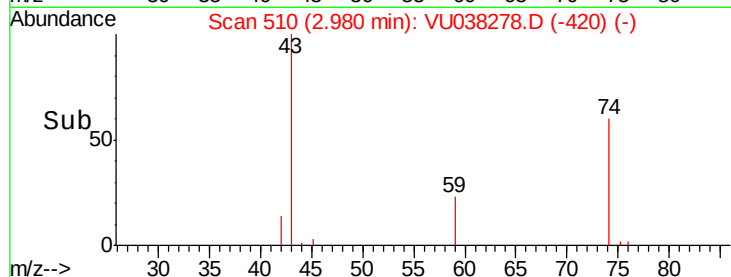
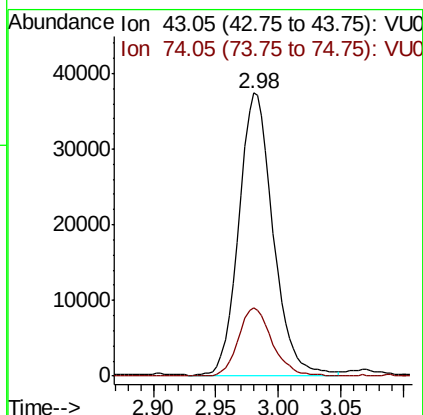
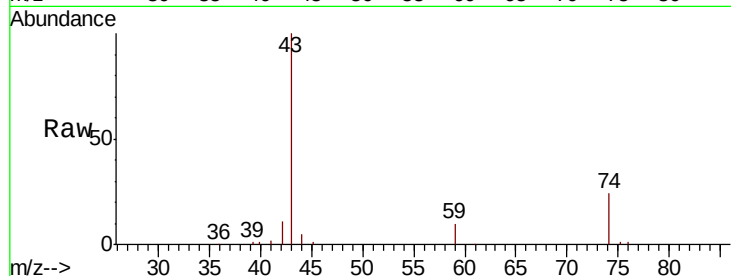




#15
Methvl Acetate
Concen: 4.860 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.01 min
Lab File: VU038278.D
Acq: 22 May 2020 13:11

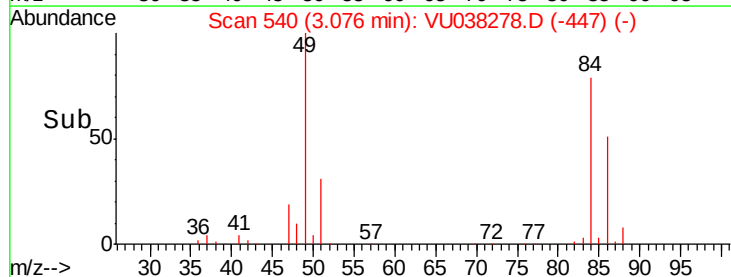
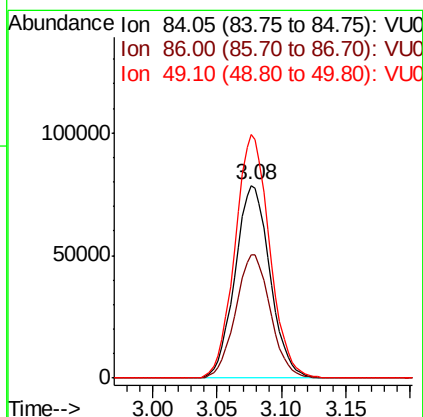
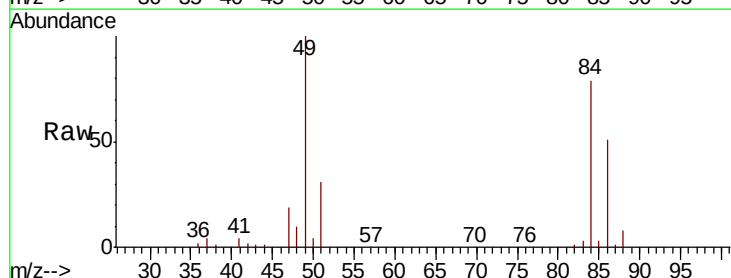
Instrument :
MSVOA_U
ClientSampleId :

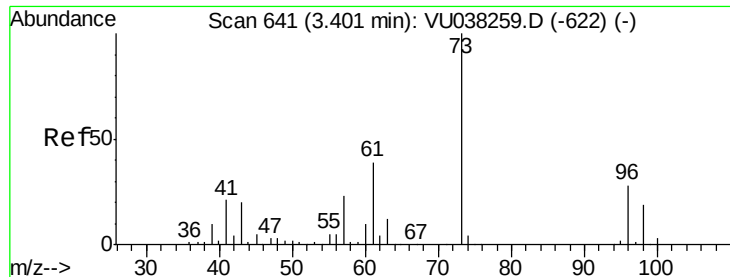
Tot Ion: 43 Resp: 70629
Ion Ratio Lower Upper
43 100
74 24.0 18.0 27.0



#16
Methylene chloride
Concen: 4.988 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038278.D
Acq: 22 May 2020 13:11

Tgt Ion: 84 Resp: 148042
Ion Ratio Lower Upper
84 100
86 64.0 44.9 83.3
49 126.5 92.0 170.9

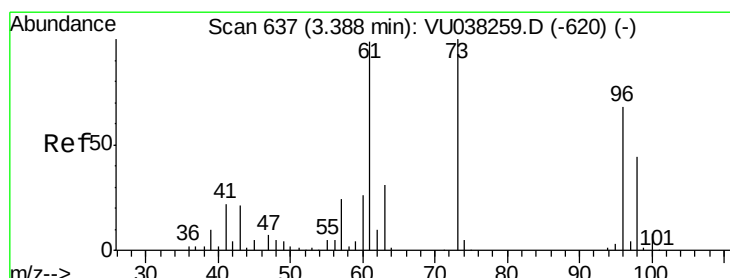
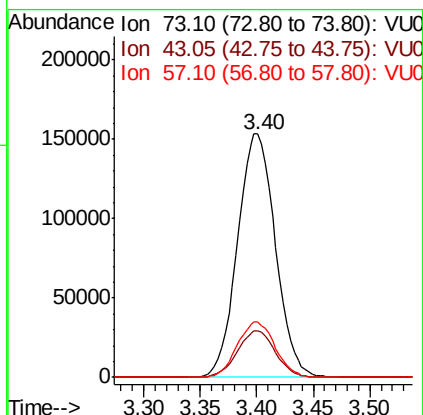
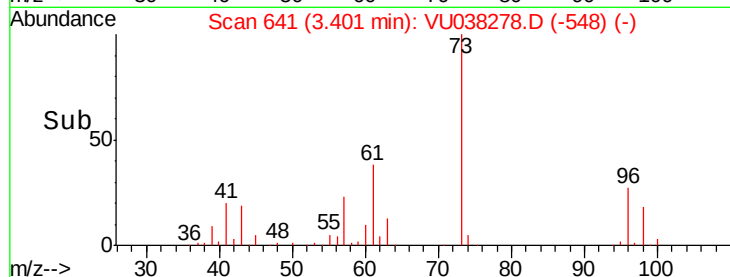
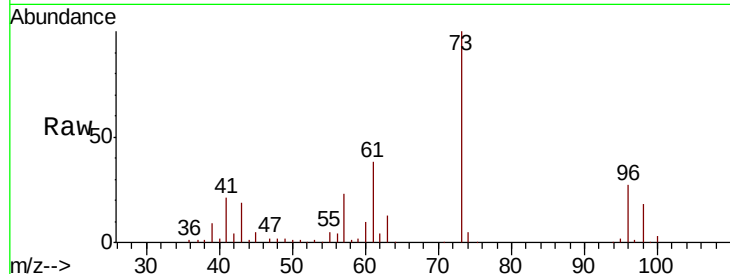




#17
Methyl tert-butyl Ether
Concen: 5.052 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038278.D
Acq: 22 May 2020 13:11

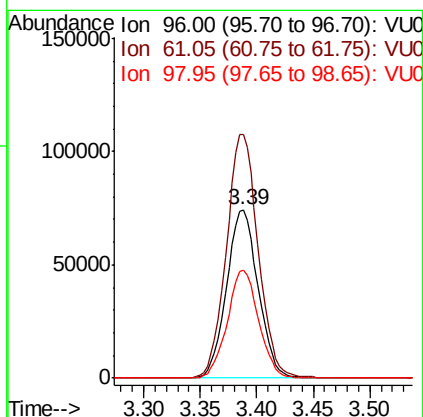
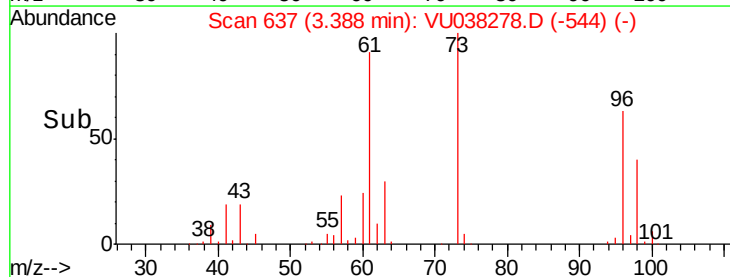
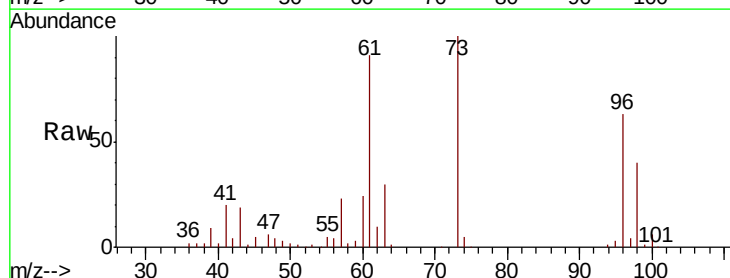
Instrument :
MSVOA_U
ClientSampleId :

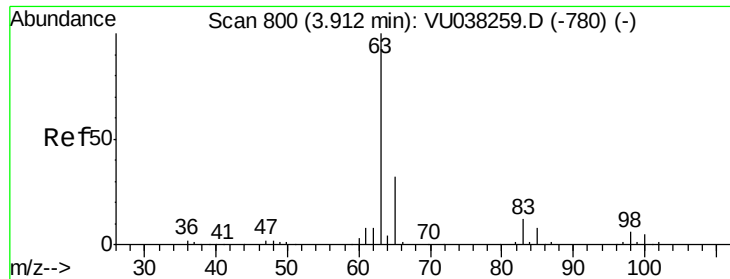
Tot Ion	Ratio	Lower	Upper
73	100		
43	19.3	16.9	25.3
57	22.8	18.2	27.2



#18
trans-1,2-Dichloroethene
Concen: 5.210 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038278.D
Acq: 22 May 2020 13:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.3	102.1	189.5
98	64.1	45.6	84.8

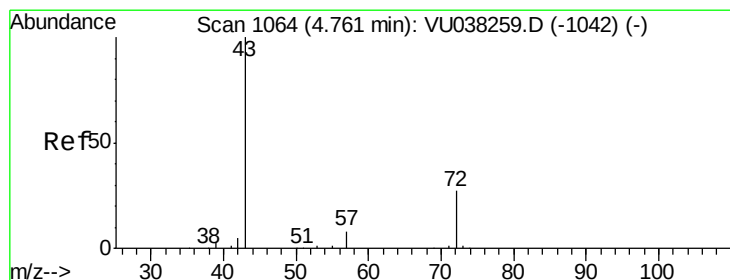
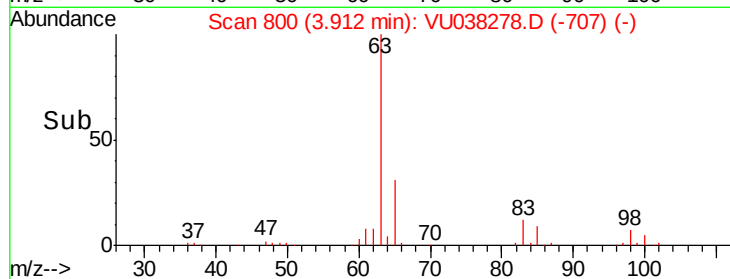
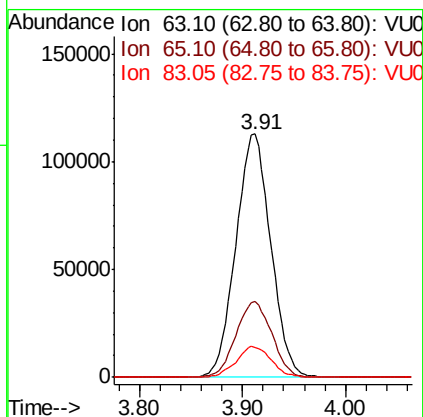
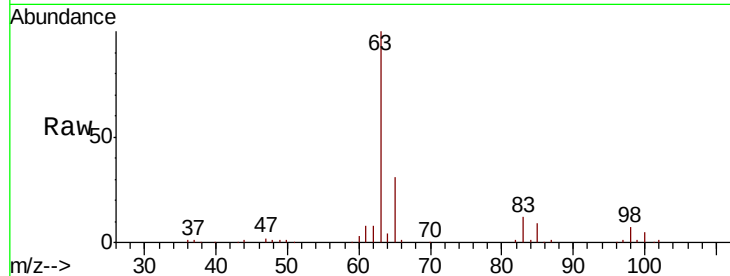




#19
 1,1-Dichloroethane
 Concen: 4.898 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU038278.D
 Acq: 22 May 2020 13:11

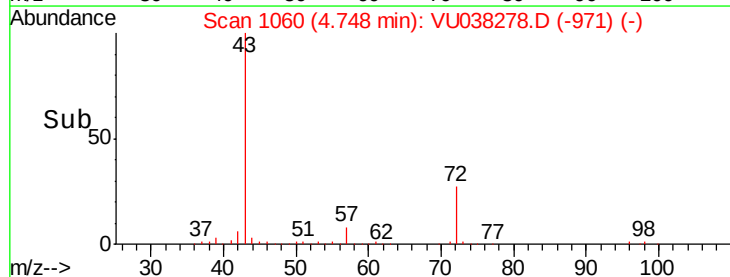
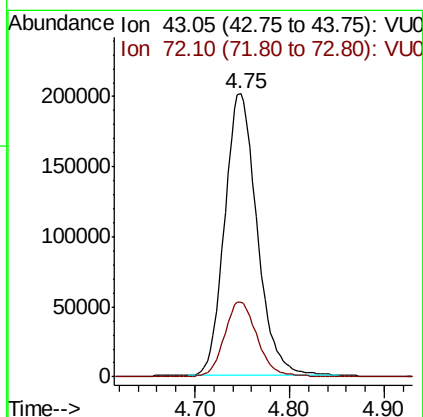
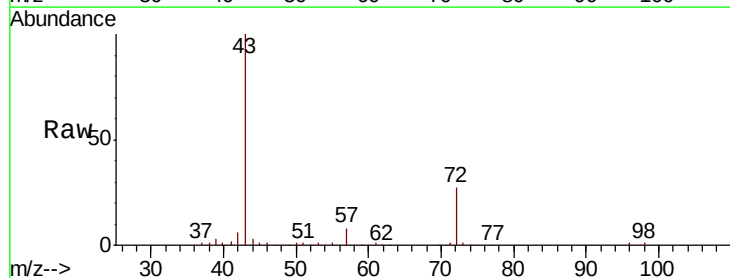
Instrument :
 MSVOA_U
 ClientSampled :

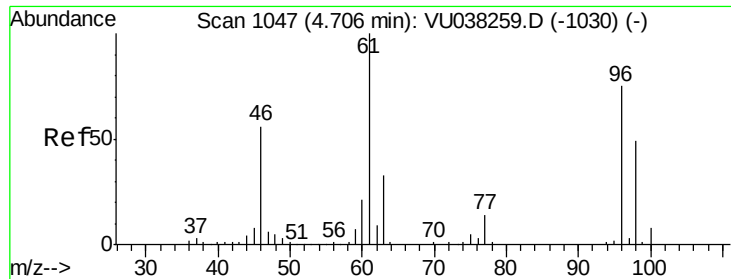
Tot Ion: 63 Resp: 265937
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.5 41.7
 83 12.4 8.9 16.5



#21
 2-Butanone
 Concen: 52.354 ug/L
 RT: 4.75 min Scan# 1060
 Delta R.T. -0.01 min
 Lab File: VU038278.D
 Acq: 22 May 2020 13:11

Tgt Ion: 43 Resp: 480092
 Ion Ratio Lower Upper
 43 100
 72 27.3 13.5 40.4





#22

cis-1,2-Dichloroethene

Concen: 5.153 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

Instrument :
MSVOA_U
ClientSampleId :

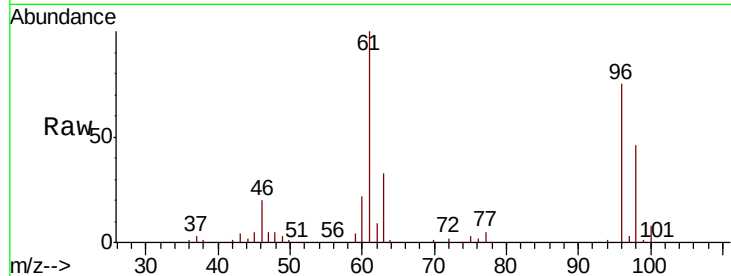
Tot Ion: 96 Resp: 154380

Ion Ratio Lower Upper

96 100

61 133.1 95.3 176.9

68 0.0 0.0 0.0

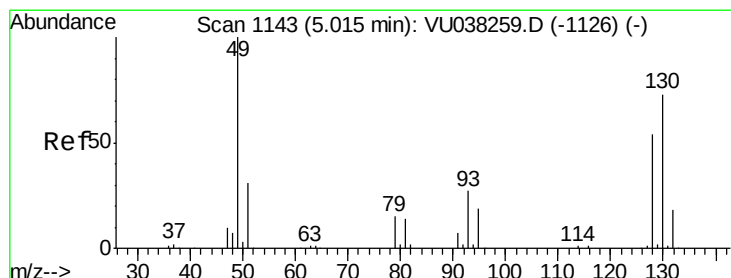
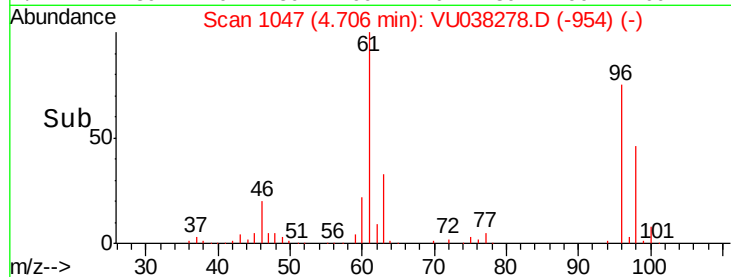
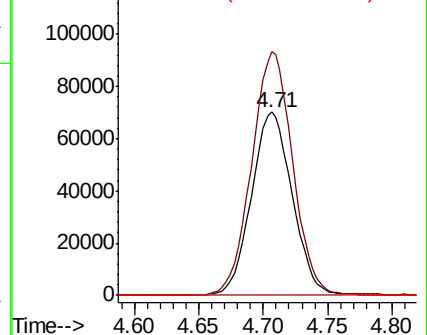


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.069 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

Tgt Ion: 128 Resp: 65354

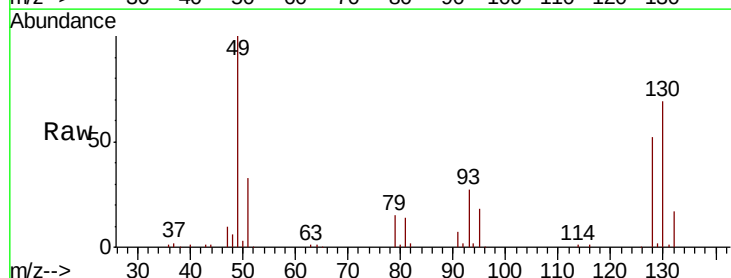
Ion Ratio Lower Upper

128 100

49 193.0 135.6 251.8

130 133.0 91.4 169.8

51 63.2 49.6 74.4



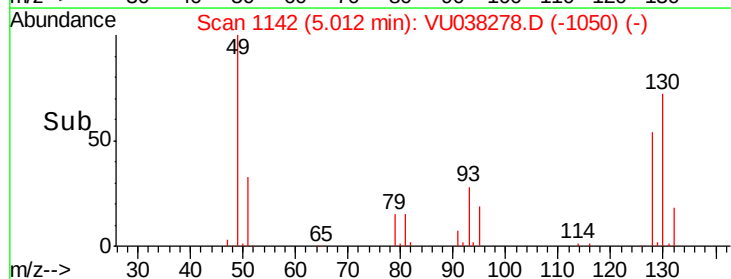
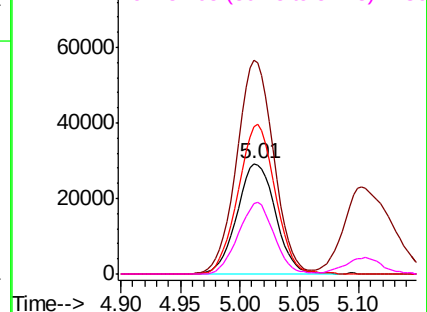
Abundance

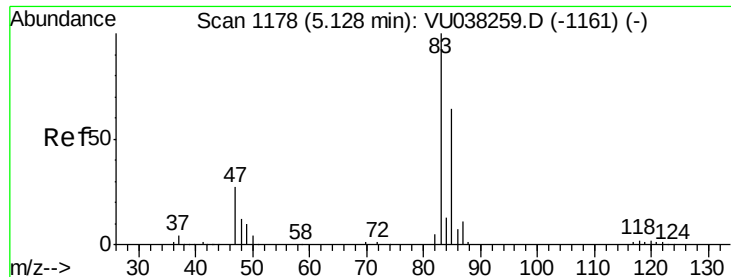
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

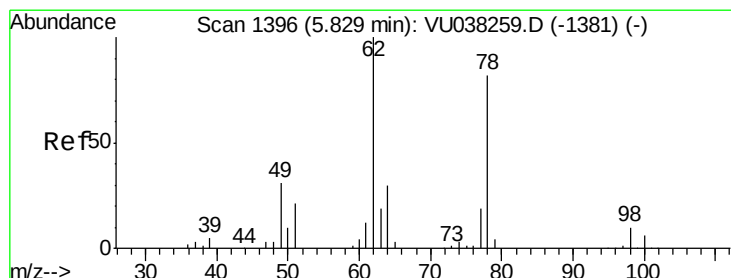
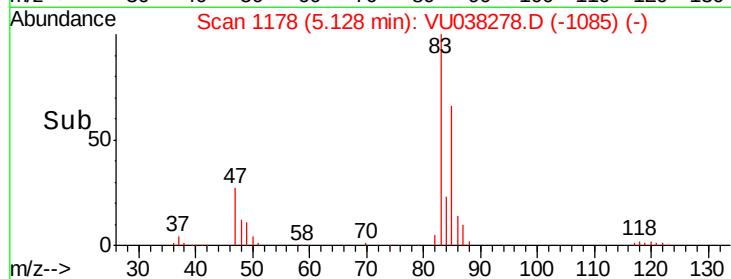
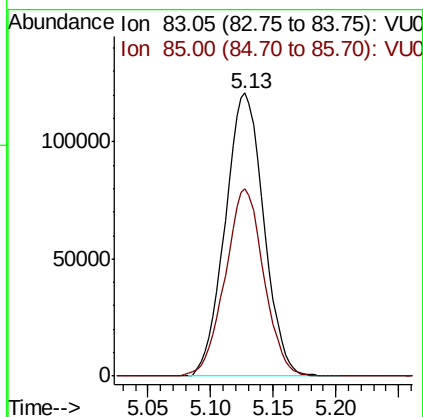
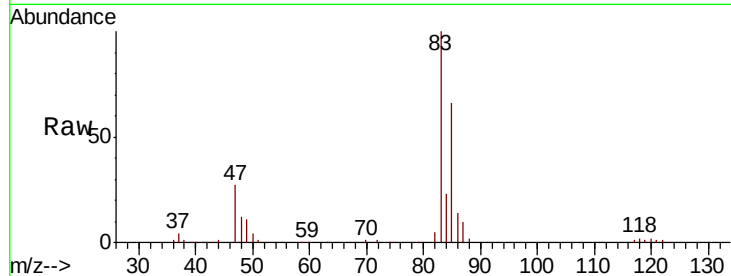




#25
Chloroform
Concen: 5.116 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038278.D
Acq: 22 May 2020 13:11

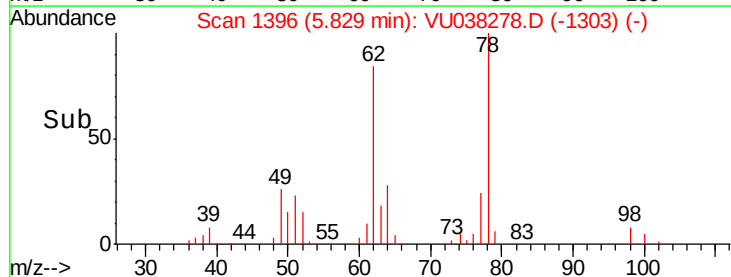
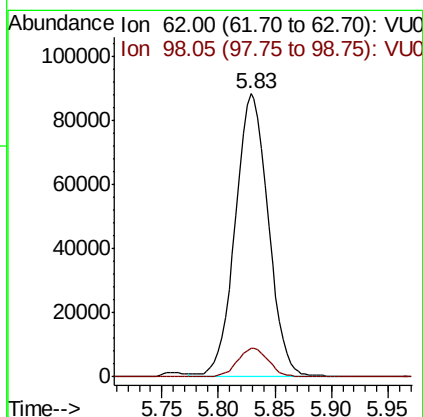
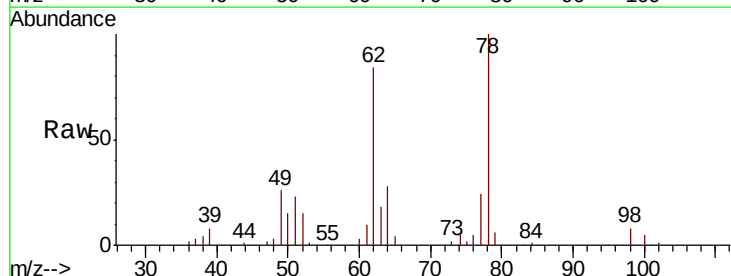
Instrument :
MSVOA_U
ClientSampled :

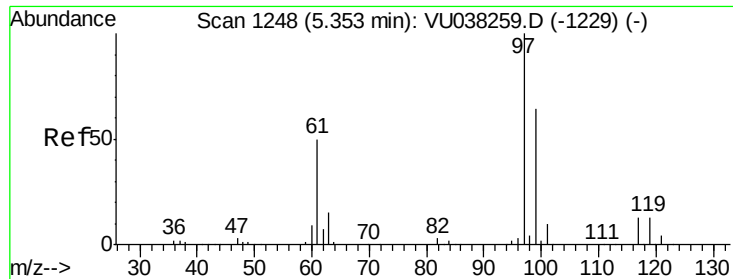
Tot Ion: 83 Resp: 259106
Ion Ratio Lower Upper
83 100
85 66.1 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.991 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038278.D
Acq: 22 May 2020 13:11

Tgt Ion: 62 Resp: 178436
Ion Ratio Lower Upper
62 100
98 9.9 7.8 11.8

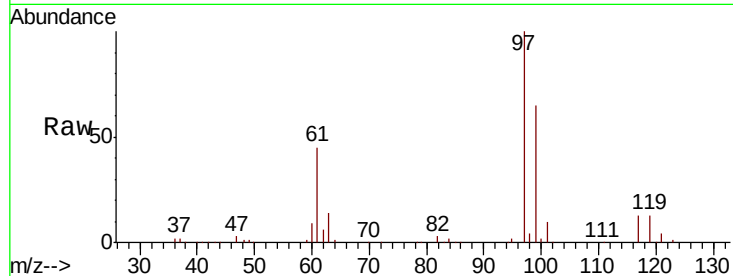




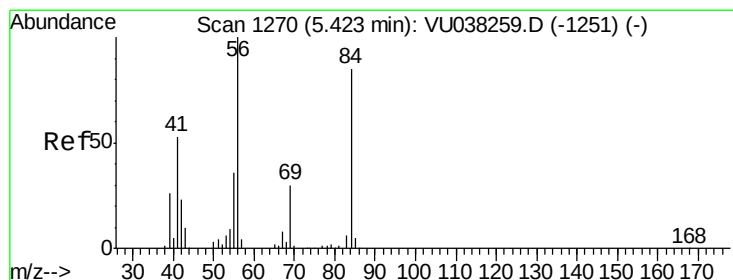
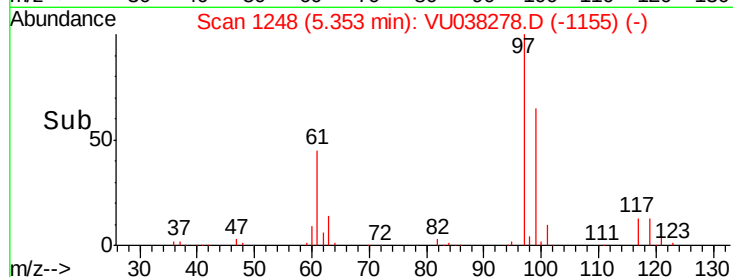
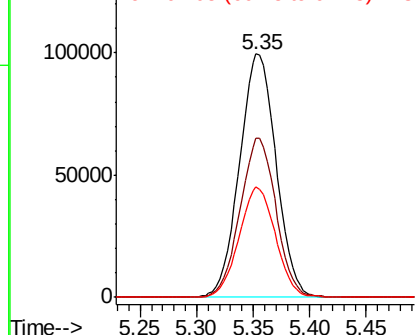
#29
 1,1,1-Trichloroethane
 Concen: 5.481 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038278.D
 Acq: 22 May 2020 13:11

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	45.3	38.2	57.4

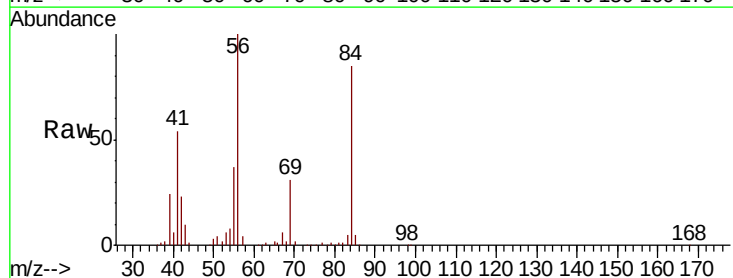


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

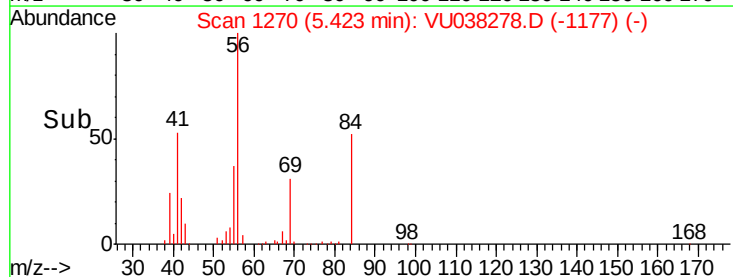
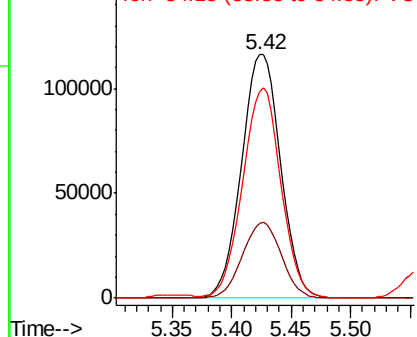


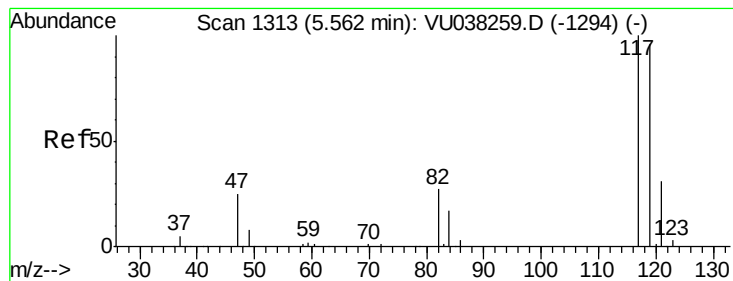
#30
 Cyclohexane
 Concen: 5.486 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038278.D
 Acq: 22 May 2020 13:11

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.2	36.4
84	84.5	68.5	102.7



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.704 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

Instrument :

MSVOA_U

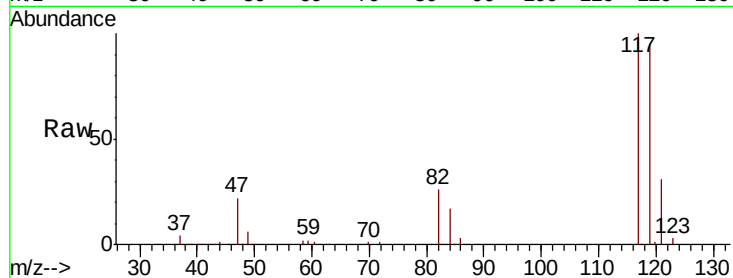
ClientSampleId :

Tot Ion:117 Resp: 187547

Ion Ratio Lower Upper

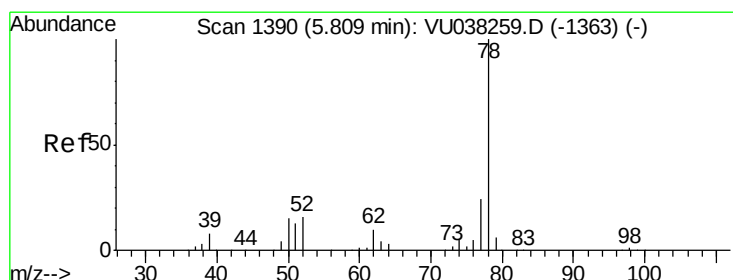
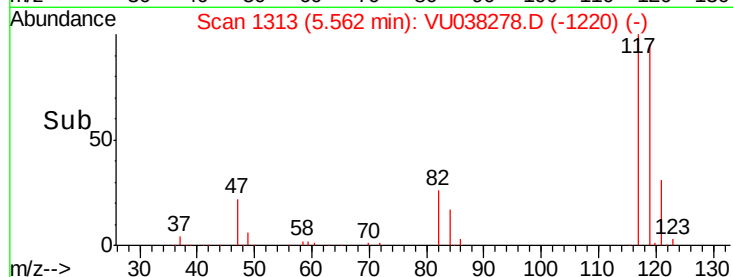
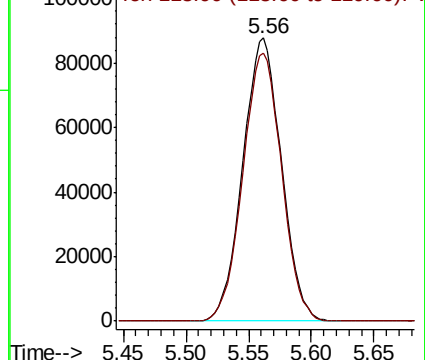
117 100

119 95.4 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.313 ug/L

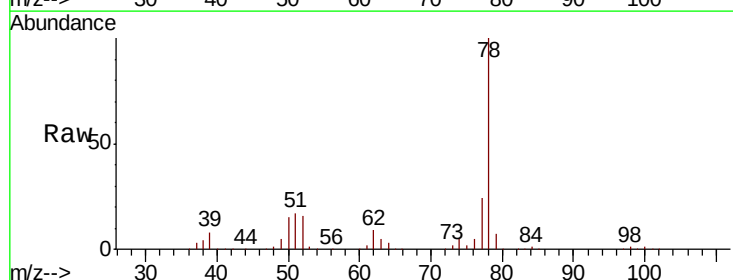
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

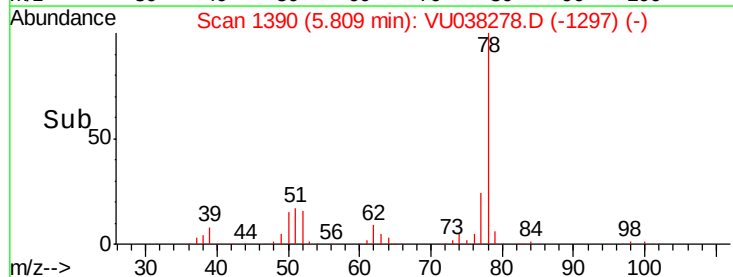
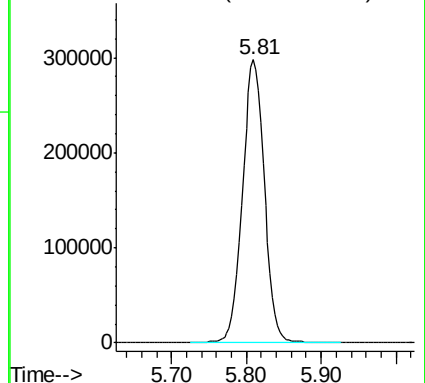
Lab File: VU038278.D

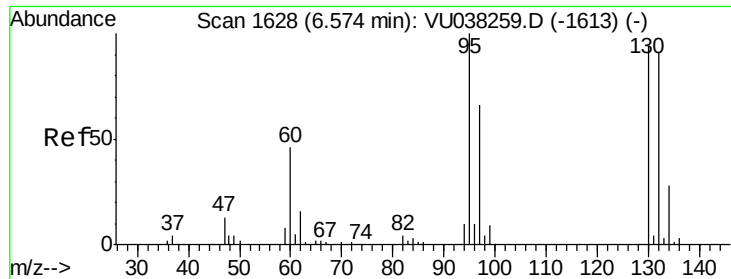
Acq: 22 May 2020 13:11

Tgt Ion: 78 Resp: 607480



Abundance Ion 78.10 (77.80 to 78.80): VU0

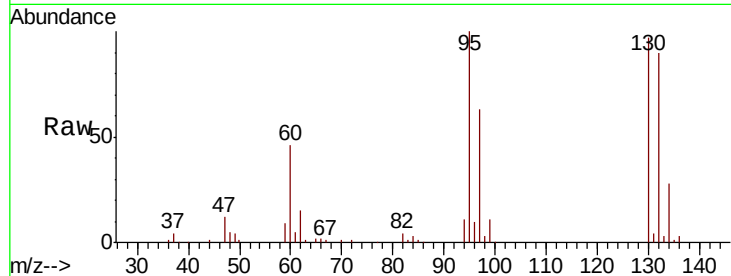




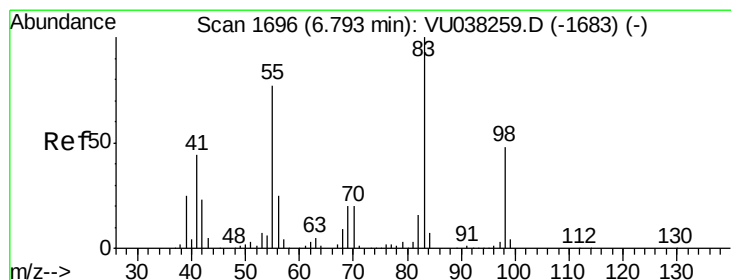
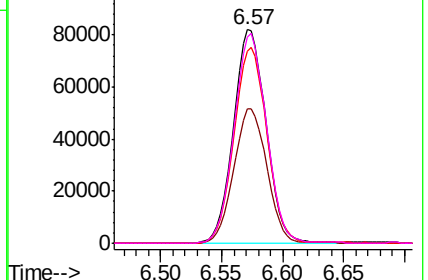
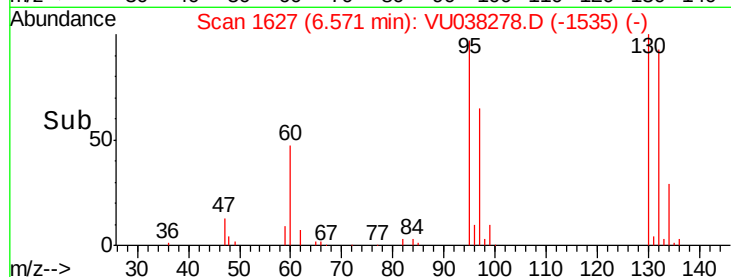
#34
 Trichloroethene
 Concen: 5.321 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038278.D
 Acq: 22 May 2020 13:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 152177
 Ion Ratio Lower Upper
 95 100
 97 63.0 44.9 83.3
 132 90.0 63.3 117.5
 130 96.6 65.7 122.1

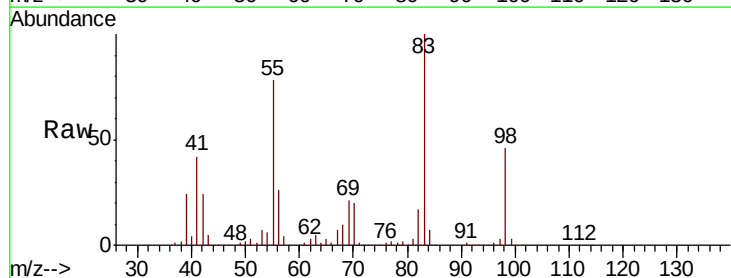


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

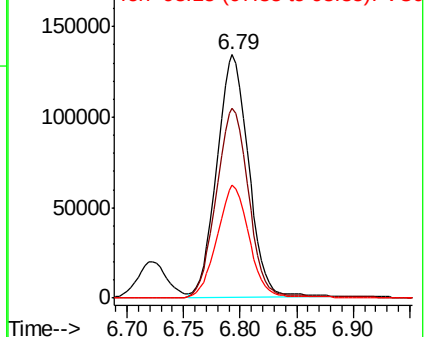
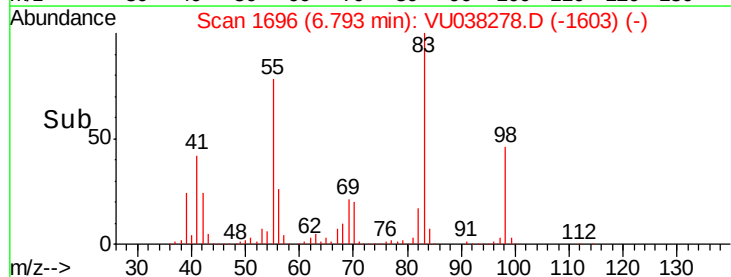


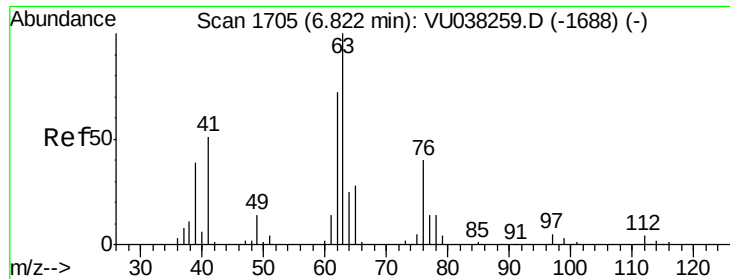
#35
 Methylcyclohexane
 Concen: 5.623 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU038278.D
 Acq: 22 May 2020 13:11

Tgt Ion: 83 Resp: 260521
 Ion Ratio Lower Upper
 83 100
 55 80.8 66.7 100.1
 98 46.9 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

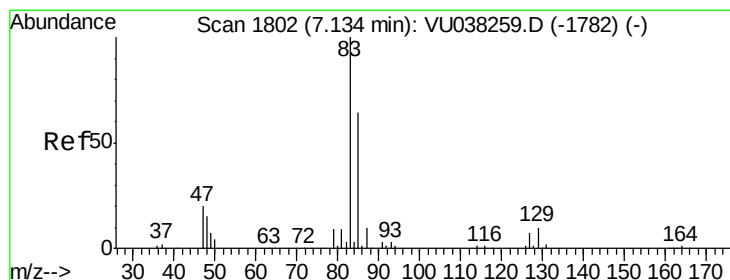
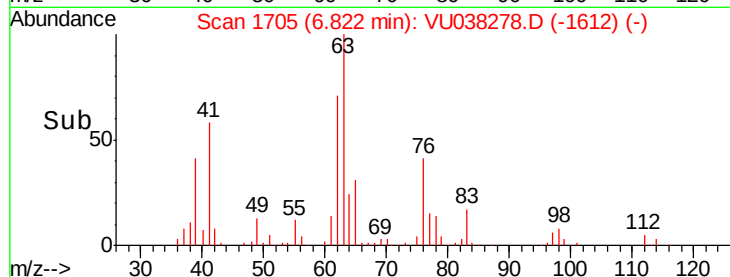
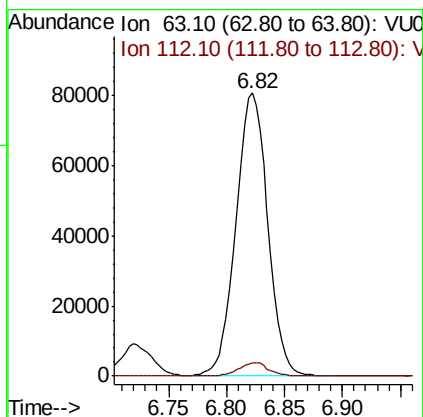
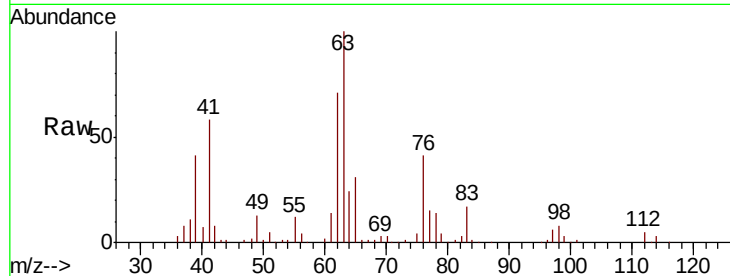




#37
 1,2-Dichloropropane
 Concen: 4.922 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038278.D
 Acq: 22 May 2020 13:11

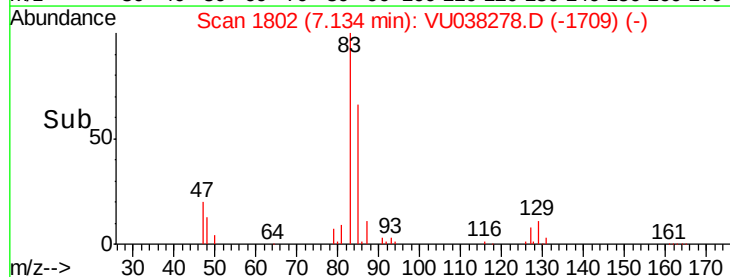
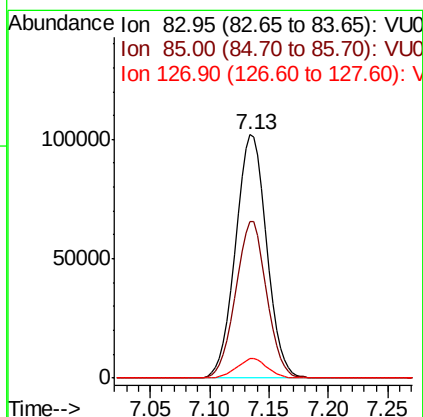
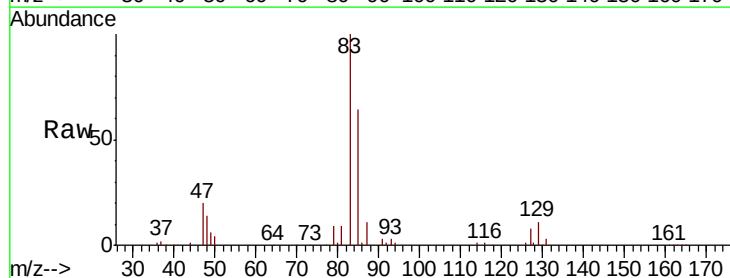
Instrument :
 MSVOA_U
 ClientSampled :

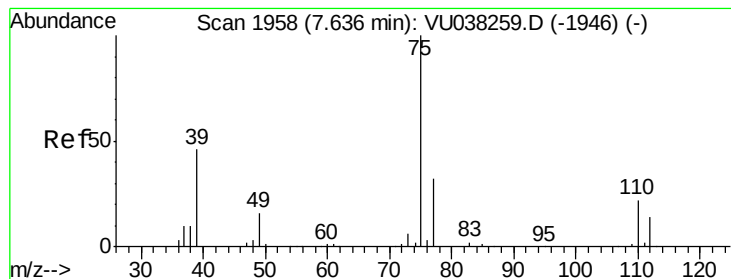
Tot Ion: 63 Resp: 152861
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.159 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038278.D
 Acq: 22 May 2020 13:11

Tgt Ion: 83 Resp: 185234
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.6 82.8
 127 8.0 6.4 9.6



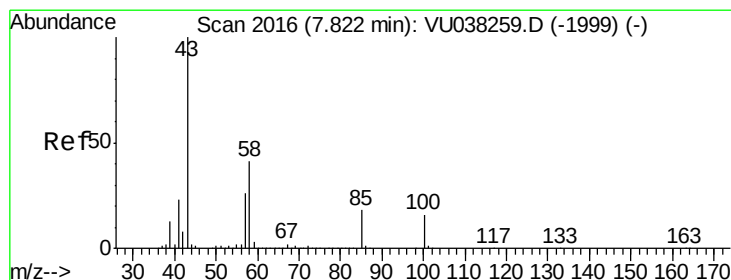
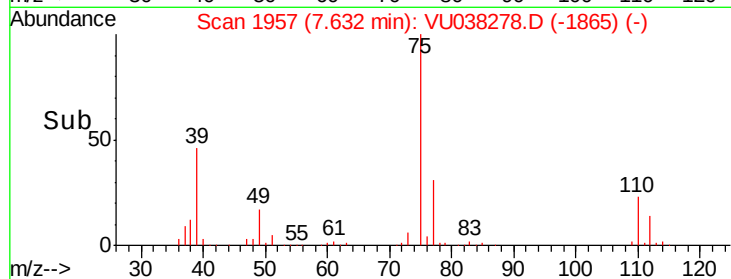
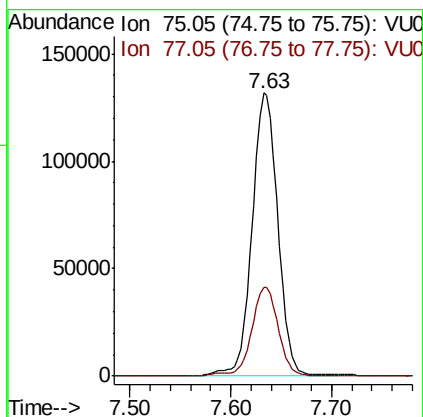
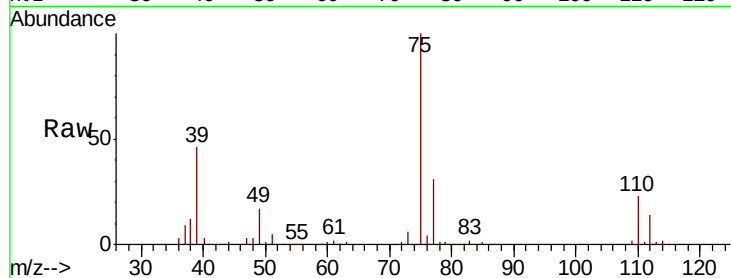


#39

cis-1,3-Dichloropropene
 Concen: 5.226 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038278.D
 Acq: 22 May 2020 13:11

Instrument :
 MSVOA_U
 ClientSampleId :

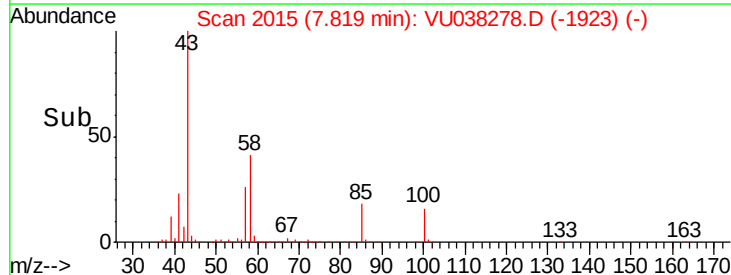
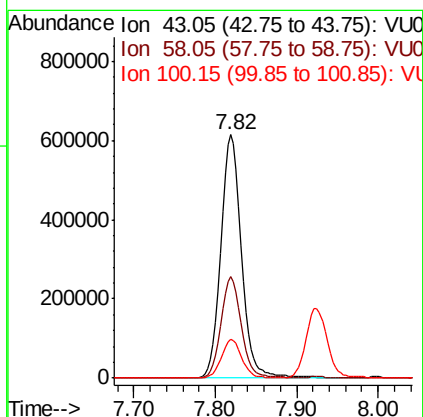
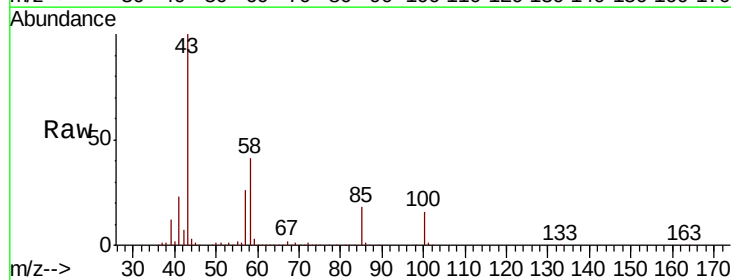
Tot Ion: 75 Resp: 232290
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.4 41.6

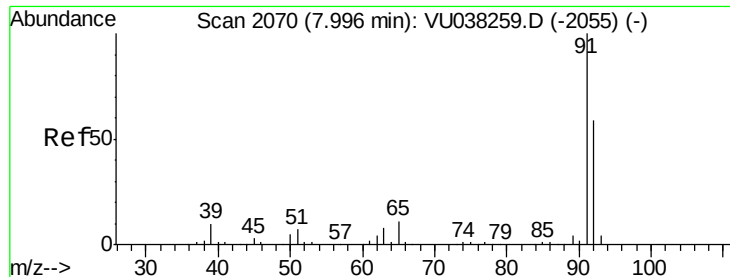


#40

4-Methyl-2-pentanone
 Concen: 51.400 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU038278.D
 Acq: 22 May 2020 13:11

Tgt Ion: 43 Resp: 1106462
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.2 48.4
 100 15.6 12.1 18.1





#42

Toluene

Concen: 5.260 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

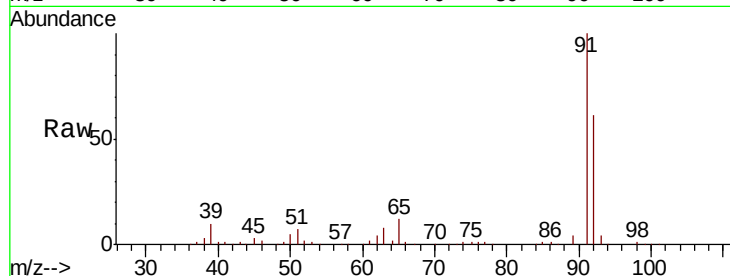
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 634880

Ion Ratio Lower Upper

91 100

92 60.8 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038259.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU038278.D (-1977) (-)

8.00

400000

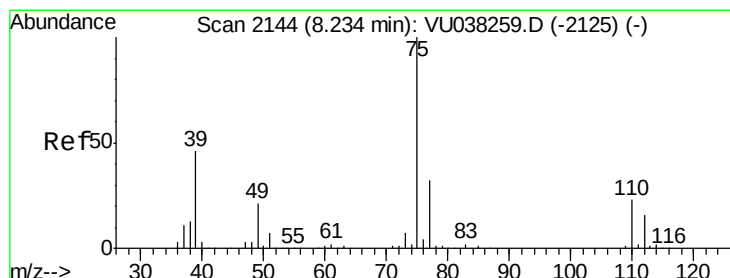
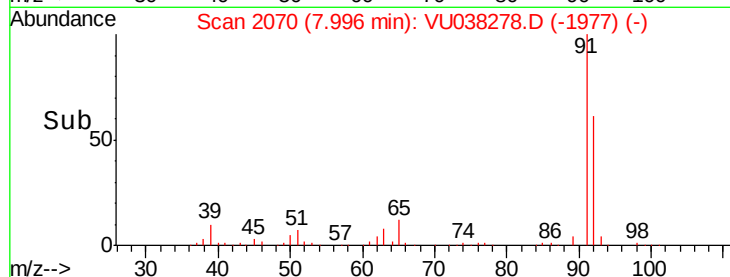
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.223 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038278.D

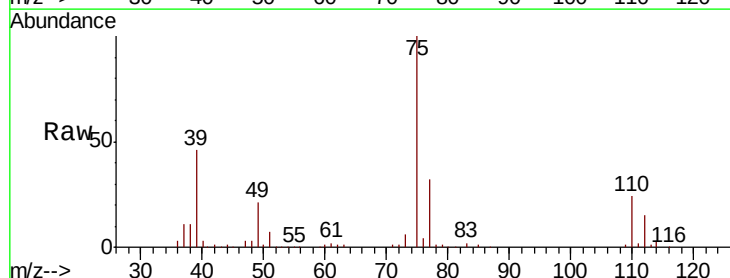
Acq: 22 May 2020 13:11

Tgt Ion: 75 Resp: 197444

Ion Ratio Lower Upper

75 100

77 31.9 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038259.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038278.D (-2051) (-)

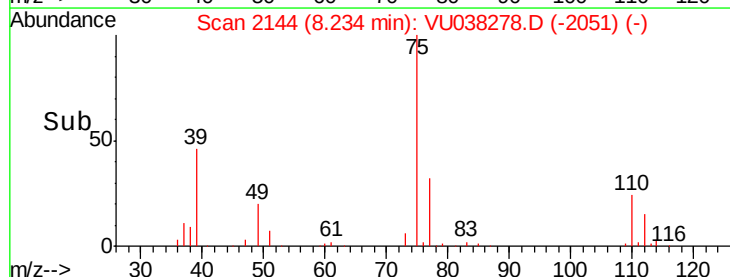
8.23

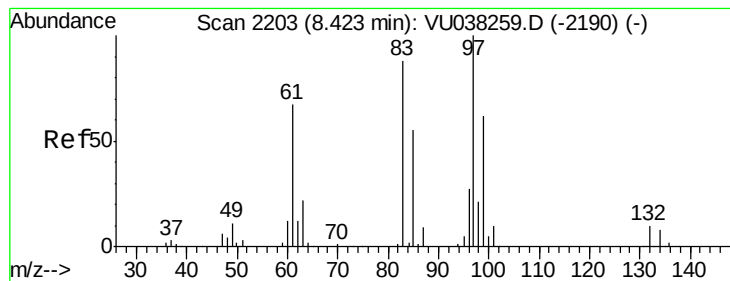
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.155 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 97 Resp: 111182

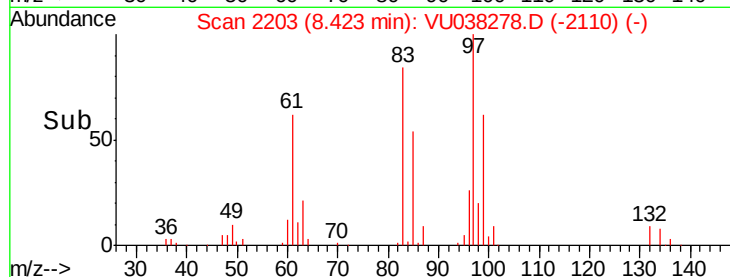
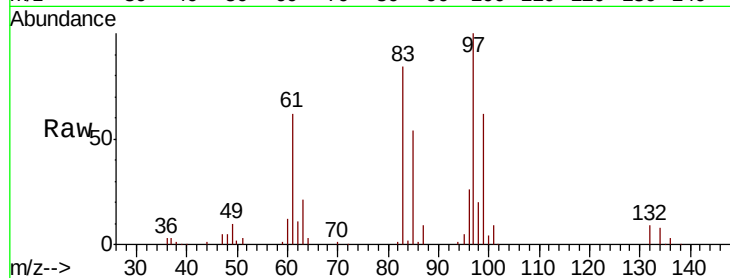
Ion Ratio Lower Upper

97 100

99 61.6 44.0 81.6

83 83.8 59.6 110.8

85 54.2 41.3 76.7



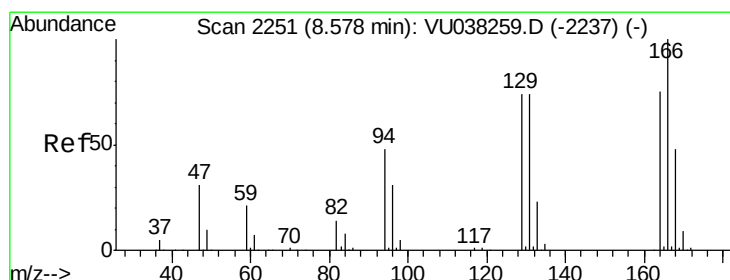
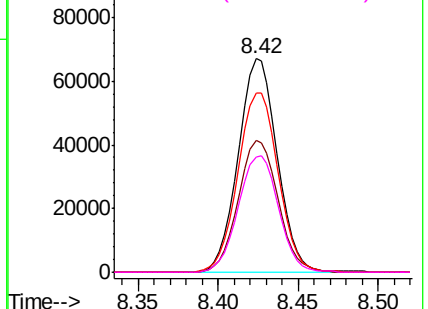
Abundance

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: 5.562 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. 0.00 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

Tgt Ion: 164 Resp: 111270

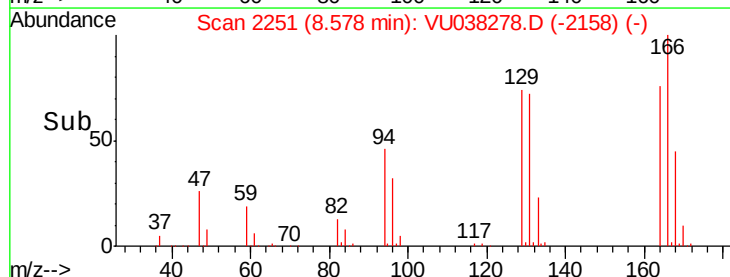
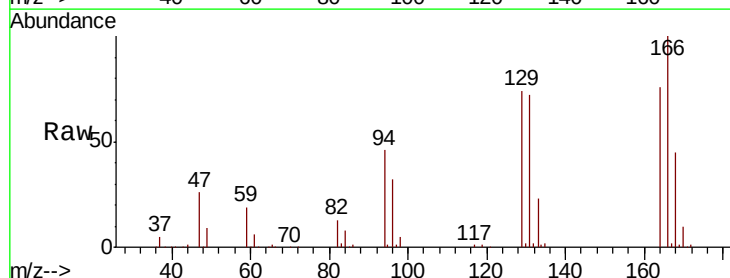
Ion Ratio Lower Upper

164 100

129 97.3 68.8 127.8

131 94.9 66.8 124.2

166 131.9 88.9 165.1



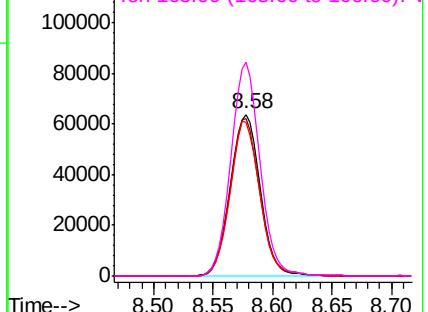
Abundance

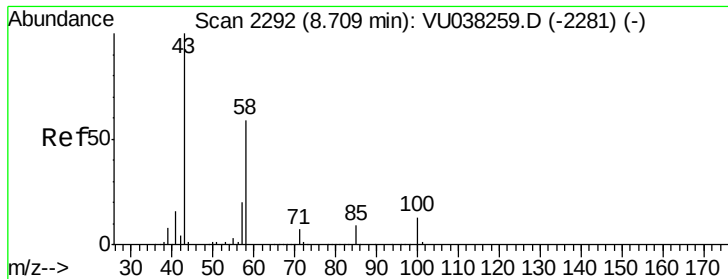
Ion 163.90 (163.60 to 164.60): V

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

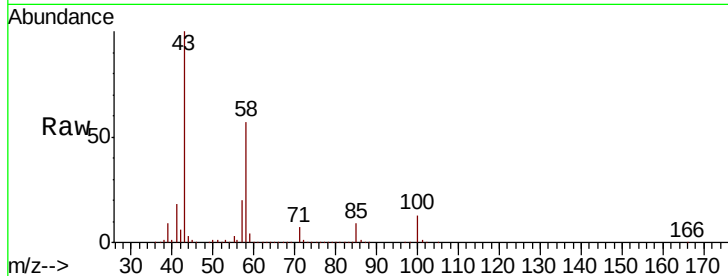




#48
2-Hexanone
Concen: 51.937 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038278.D
Acq: 22 May 2020 13:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.3	45.2	67.8
57	19.8	15.5	23.3
100	12.7	9.5	14.3

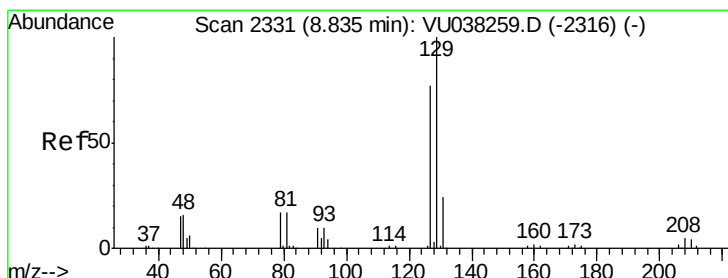
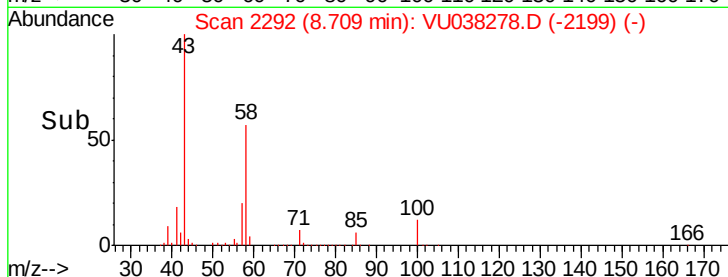
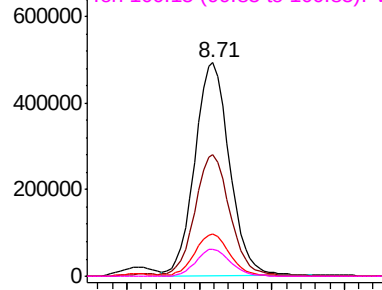


Abundance Ion 43.05 (42.75 to 43.75): VU038278.D (-2199) (-)

Ion 58.05 (57.75 to 58.75): VU038278.D (-2199) (-)

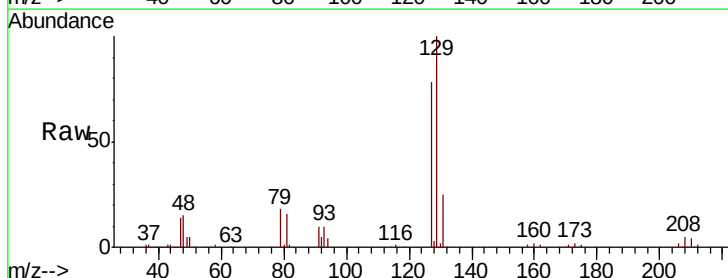
Ion 57.20 (56.90 to 57.90): VU038278.D (-2199) (-)

Ion 100.15 (99.85 to 100.85): VU038278.D (-2199) (-)



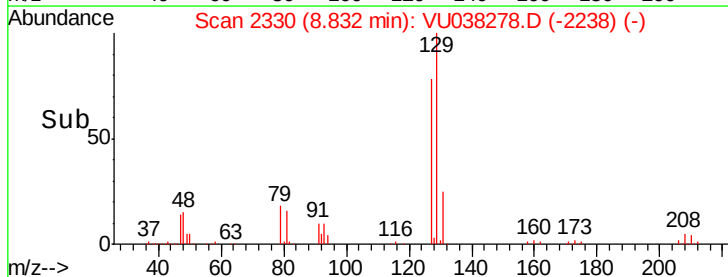
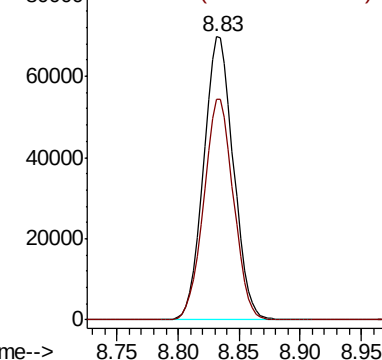
#49
Dibromochloromethane
Concen: 5.299 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038278.D
Acq: 22 May 2020 13:11

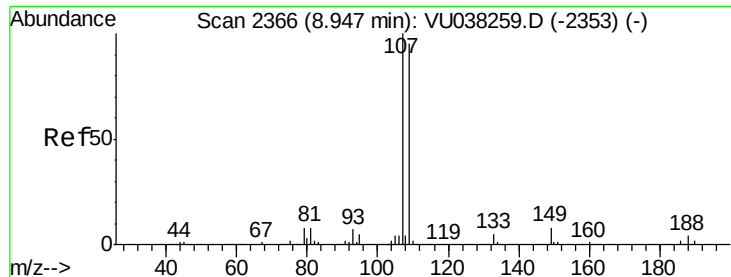
Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	55.6	103.4



Abundance Ion 128.95 (128.65 to 129.65): VU038278.D (-2238) (-)

Ion 126.90 (126.60 to 127.60): VU038278.D (-2238) (-)

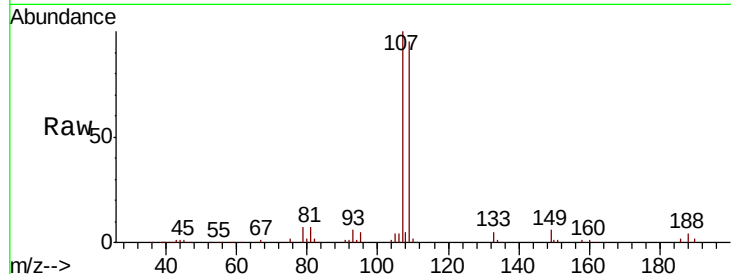




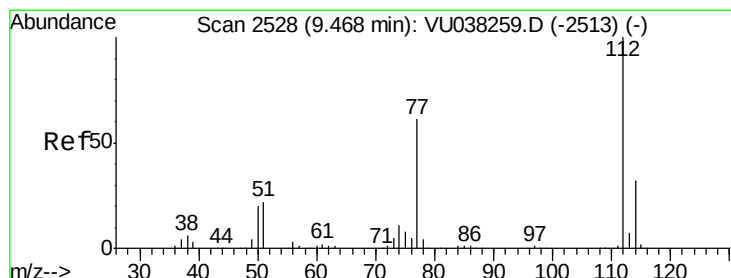
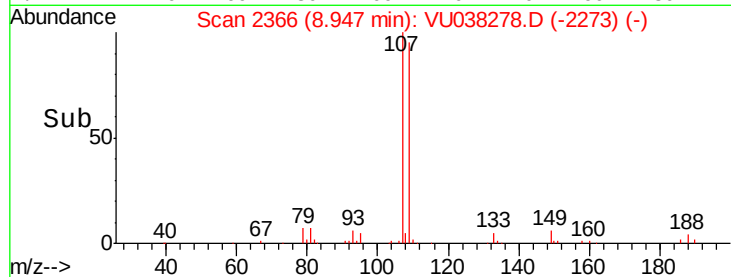
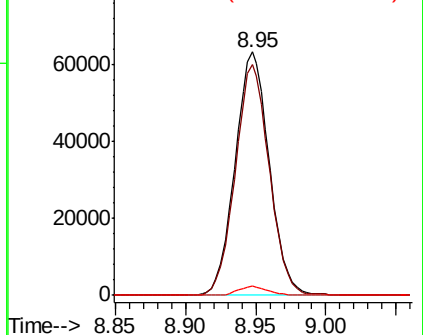
#50
 1,2-Dibromoethane
 Concen: 5.358 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU038278.D
 Acq: 22 May 2020 13:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	65.1	120.9
188	3.7	2.6	4.0

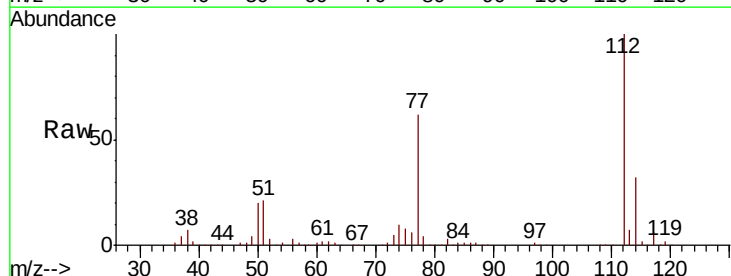


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

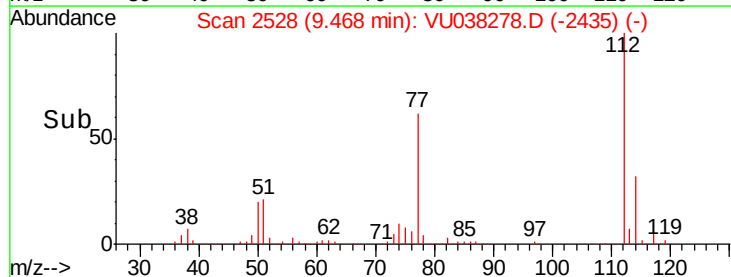
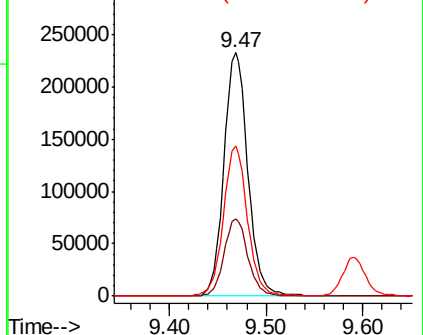


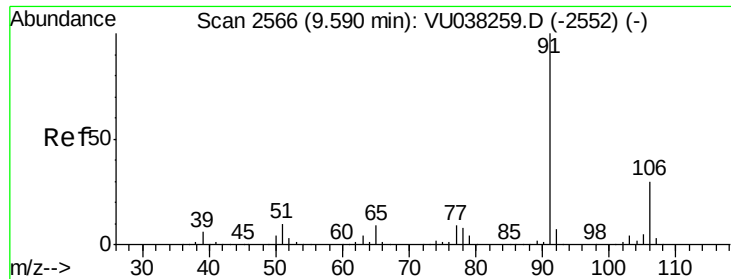
#51
 Chlorobenzene
 Concen: 5.330 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU038278.D
 Acq: 22 May 2020 13:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	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

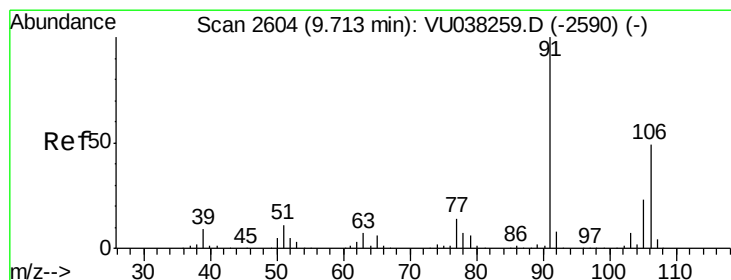
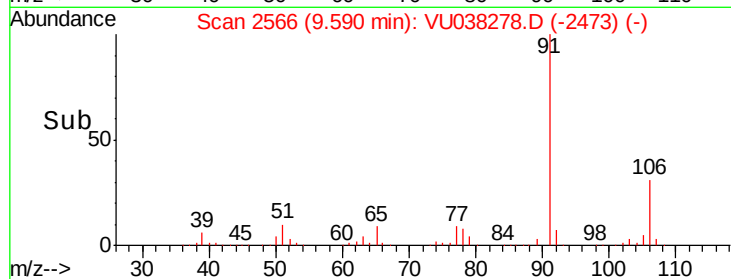
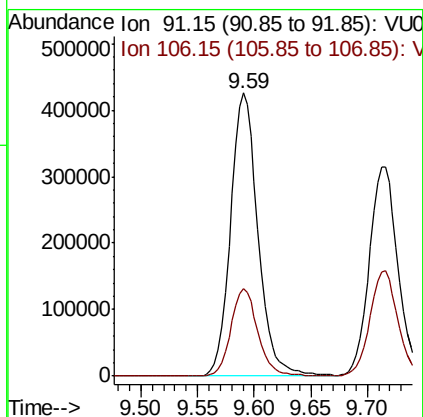
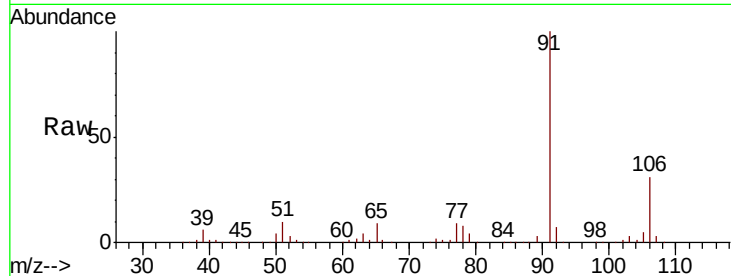




#52
Ethylbenzene
Concen: 5.488 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU038278.D
Acq: 22 May 2020 13:11

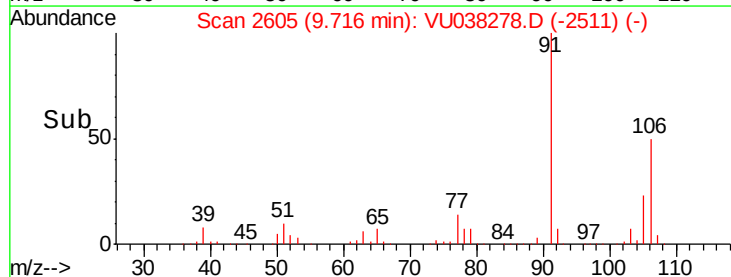
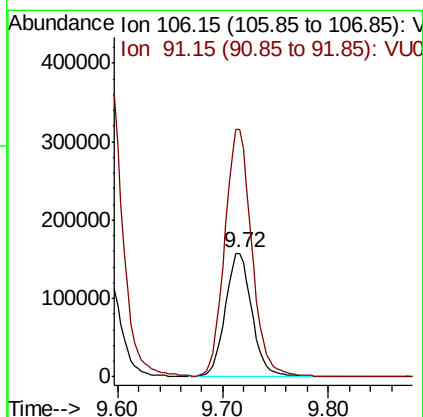
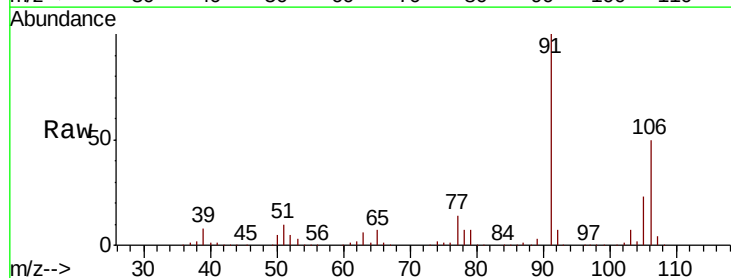
Instrument :
MSVOA_U
ClientSampleId :

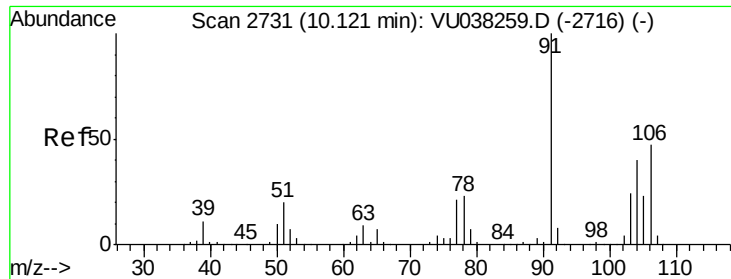
Tot Ion: 91 Resp: 717567
Ion Ratio Lower Upper
91 100
106 30.7 21.8 40.4



#53
m,p-Xylene
Concen: 5.511 ug/L
RT: 9.72 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VU038278.D
Acq: 22 May 2020 13:11

Tgt Ion: 106 Resp: 276334
Ion Ratio Lower Upper
106 100
91 199.9 142.1 263.9

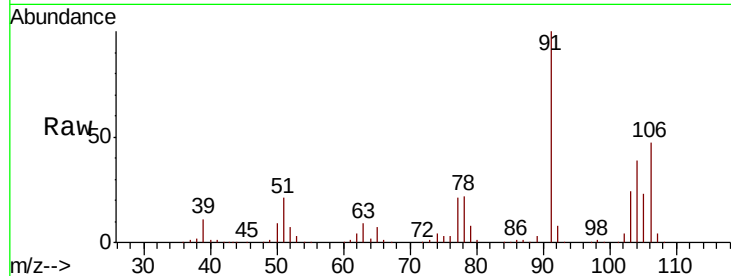




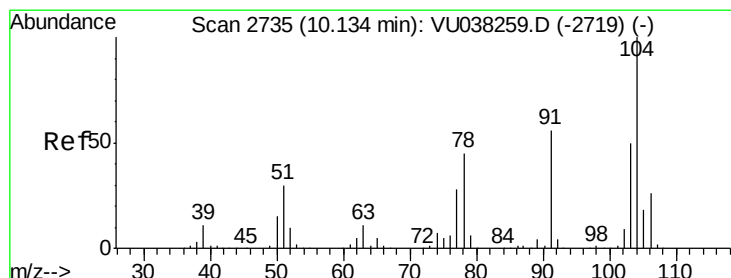
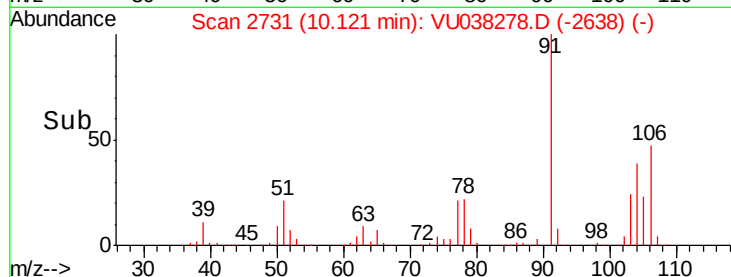
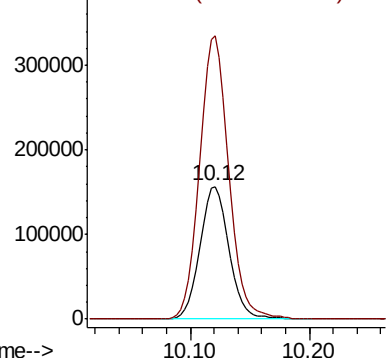
#54
o-Xylene
Concen: 5.475 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU038278.D
Acq: 22 May 2020 13:11

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 265417
Ion Ratio Lower Upper
106 100
91 213.5 148.5 275.9

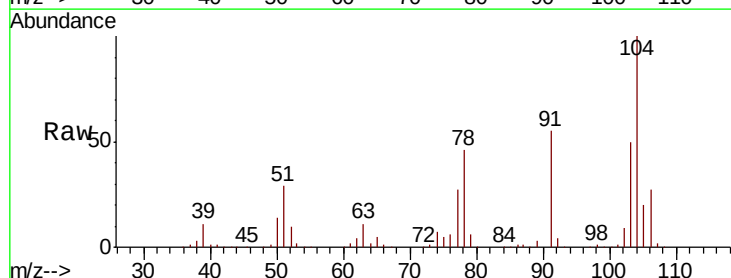


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

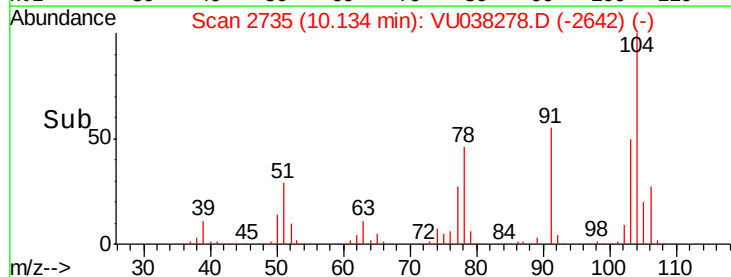
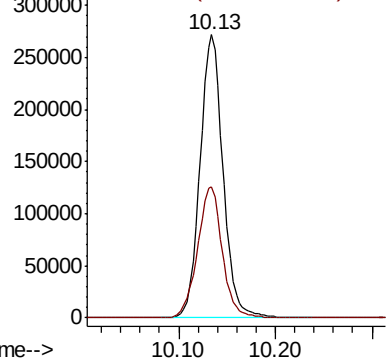


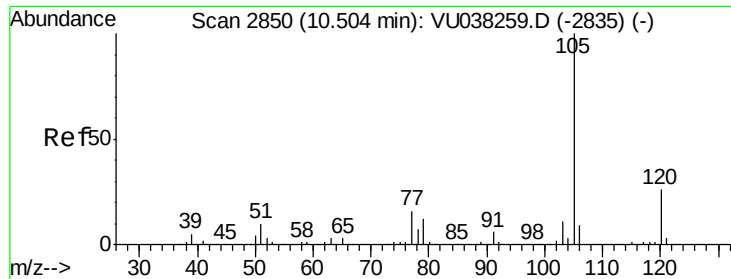
#55
Styrene
Concen: 5.515 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU038278.D
Acq: 22 May 2020 13:11

Tgt Ion:104 Resp: 448780
Ion Ratio Lower Upper
104 100
78 46.4 32.3 59.9



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





#56

Isopropylbenzene

Concen: 5.638 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

Instrument :

MSVOA_U

ClientSampled :

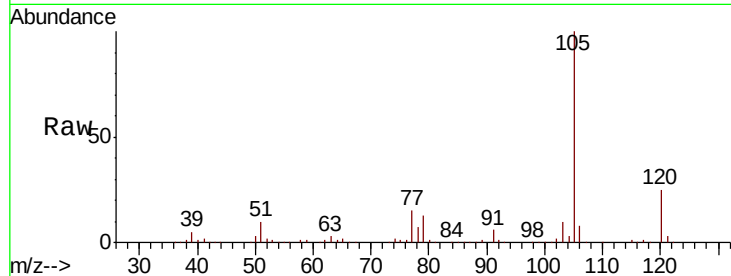
Tot Ion:105 Resp: 702060

Ion Ratio Lower Upper

105 100

120 25.3 21.0 31.6

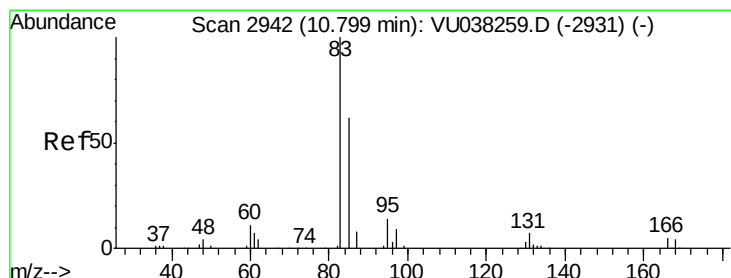
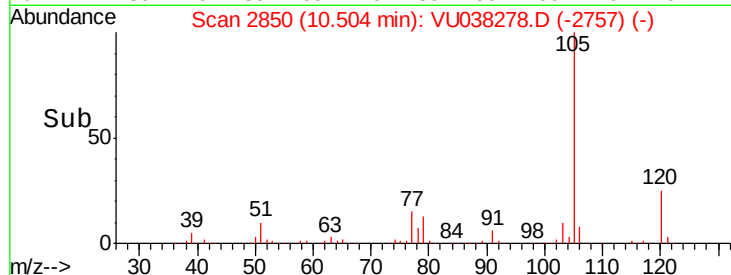
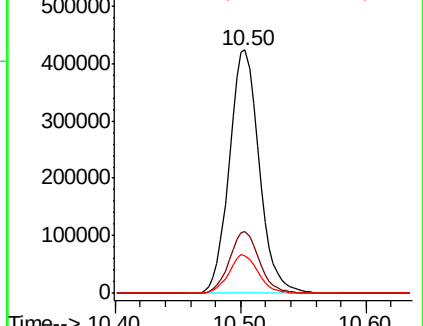
77 15.6 13.0 19.4



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: 5.139 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

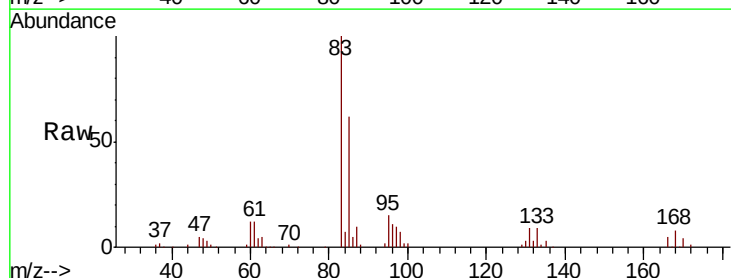
Tgt Ion: 83 Resp: 140722

Ion Ratio Lower Upper

83 100

85 62.2 47.0 87.2

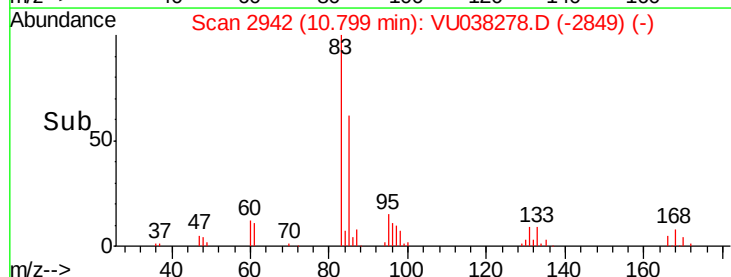
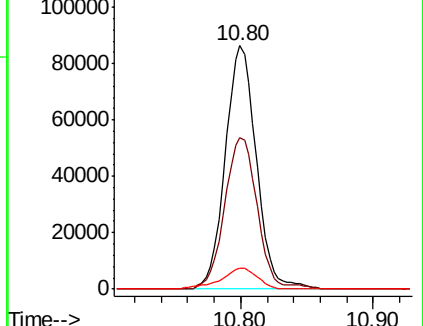
131 8.6 7.7 11.5

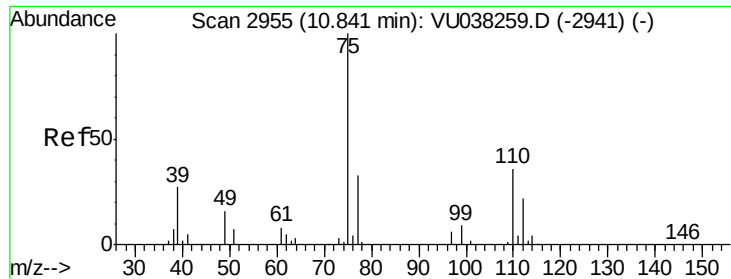


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.161 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

Instrument :

MSVOA_U

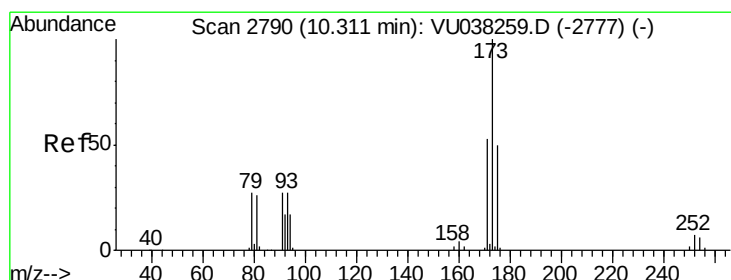
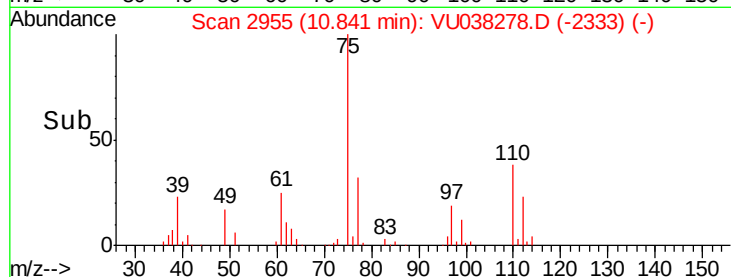
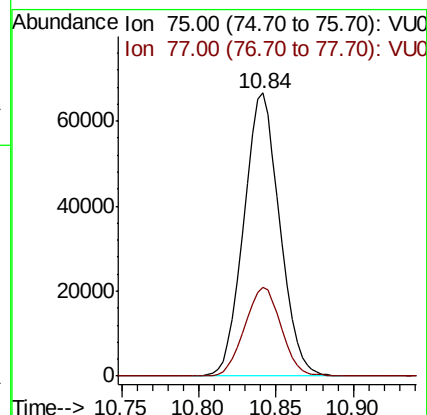
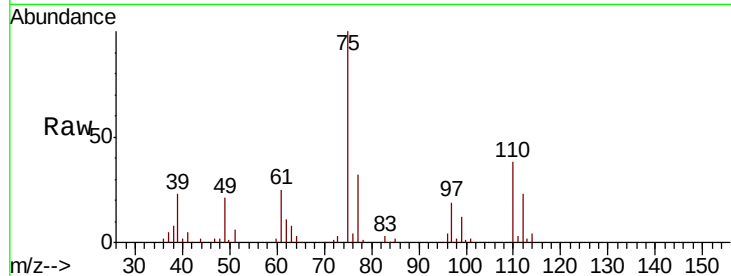
ClientSampleId :

Tot Ion: 75 Resp: 107594

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0



#61

Bromoform

Concen: 5.136 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

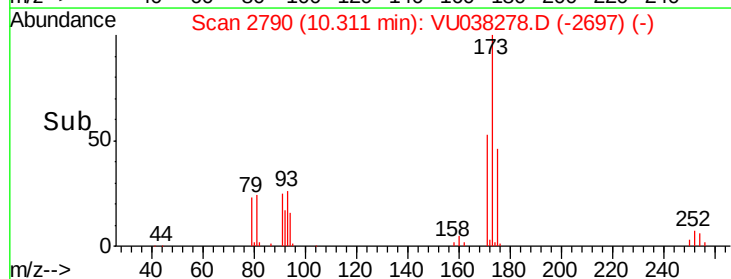
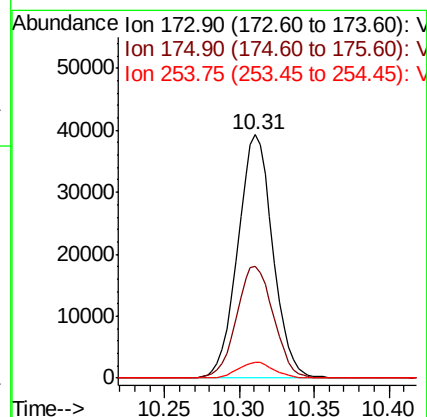
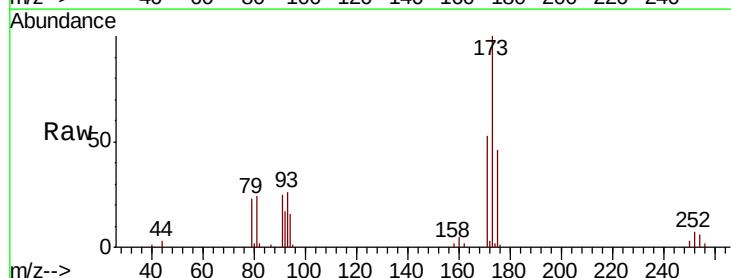
Tgt Ion: 173 Resp: 63899

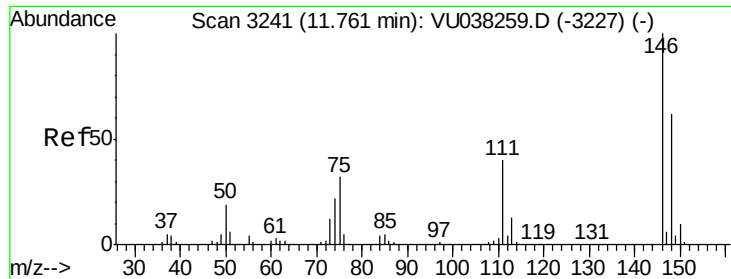
Ion Ratio Lower Upper

173 100

175 48.4 39.5 59.3

254 6.6 5.0 7.4





#62

1,3-Dichlorobenzene

Concen: 5.202 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

Instrument :

MSVOA_U

ClientSampled :

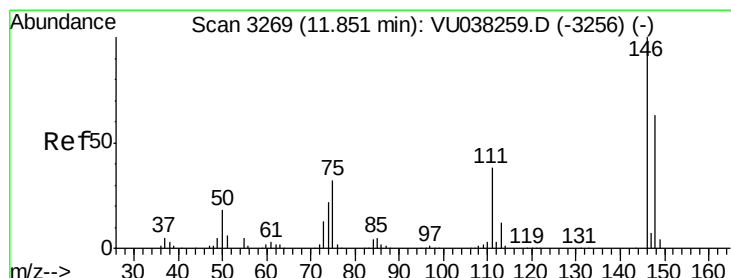
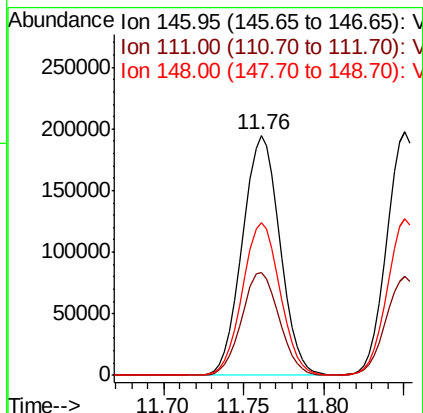
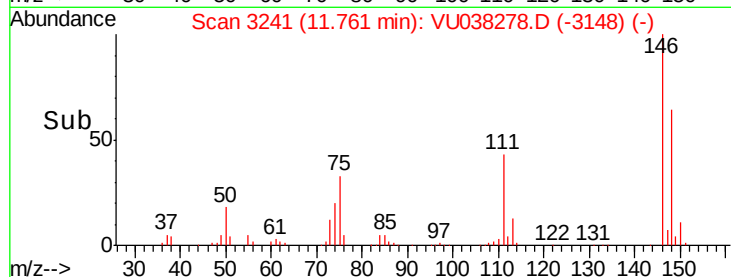
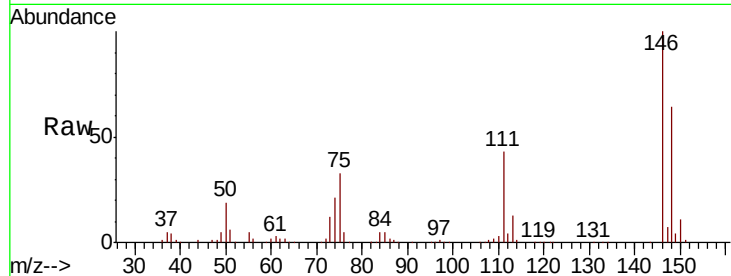
Tot Ion:146 Resp: 311572

Ion Ratio Lower Upper

146 100

111 43.1 28.6 53.2

148 63.9 45.2 84.0



#63

1,4-Dichlorobenzene

Concen: 5.168 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

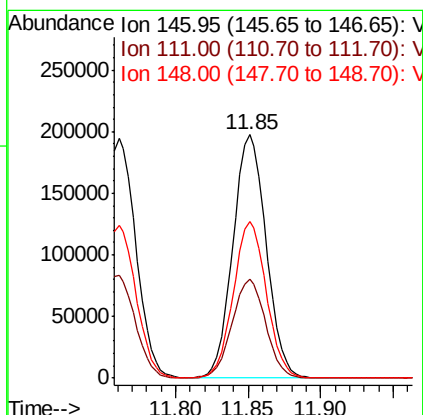
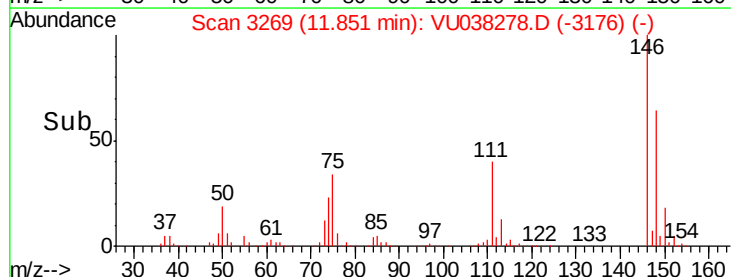
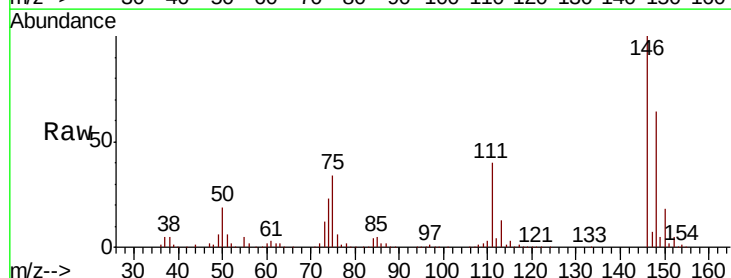
Tgt Ion:146 Resp: 313612

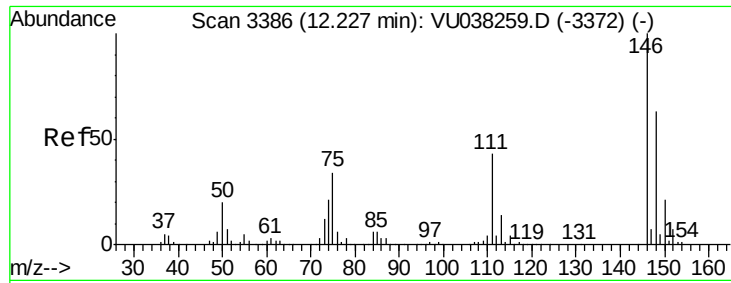
Ion Ratio Lower Upper

146 100

111 40.5 27.2 50.6

148 64.3 43.8 81.3





#65

1,2-Dichlorobenzene

Concen: 5.130 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

Instrument :

MSVOA_U

ClientSampled :

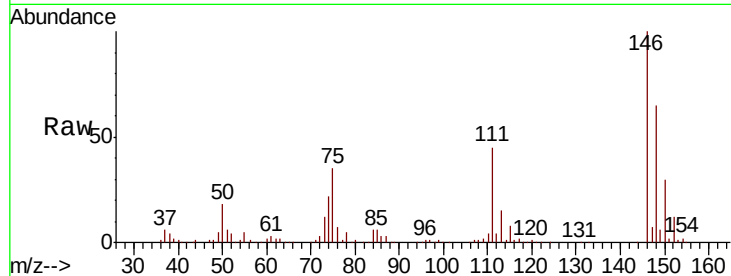
Tot Ion:146 Resp: 295591

Ion Ratio Lower Upper

146 100

111 45.3 35.3 52.9

148 64.9 51.0 76.4

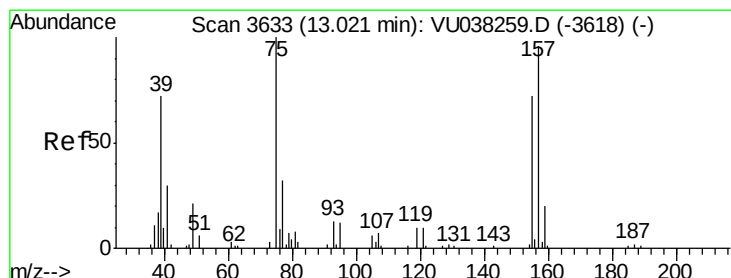
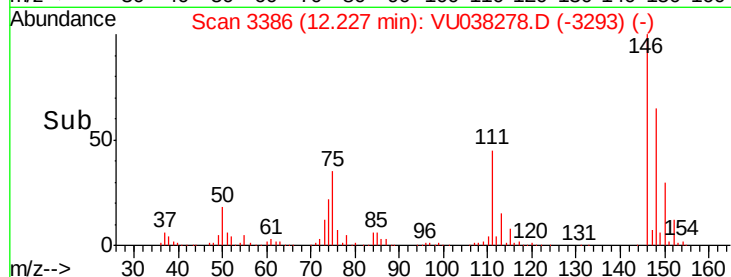
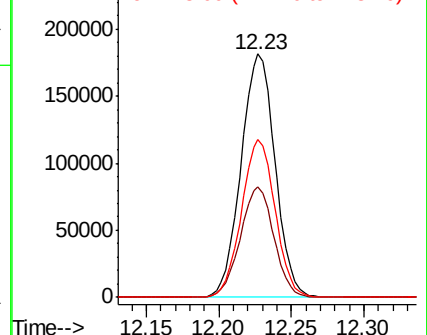


Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.889 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.00 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

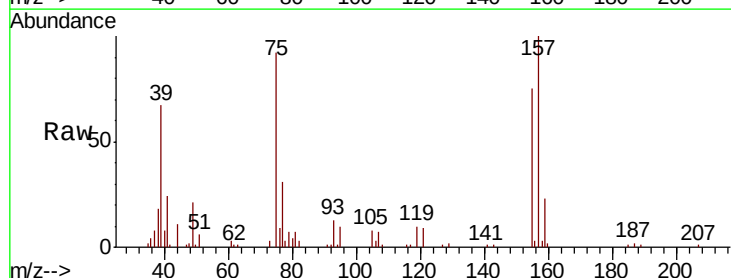
Tgt Ion: 75 Resp: 23025

Ion Ratio Lower Upper

75 100

155 82.2 58.2 87.2

157 109.2 72.9 109.3

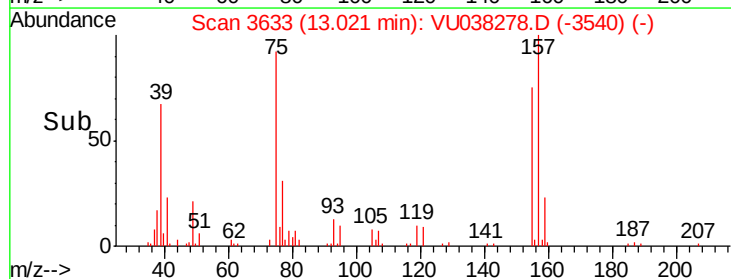
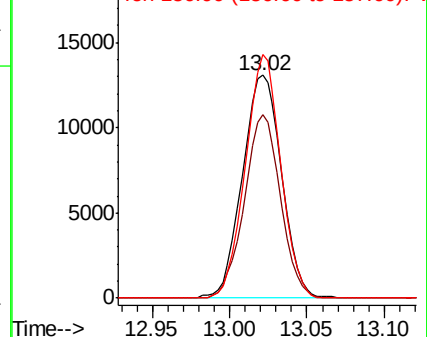


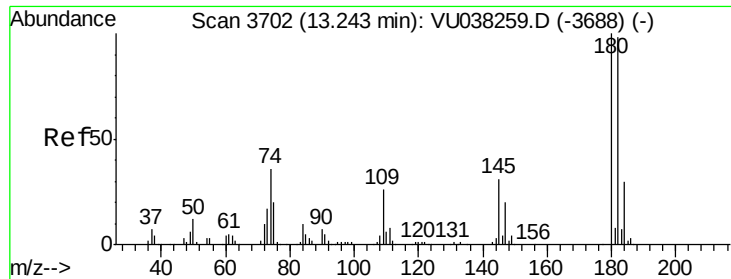
Abundance

Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

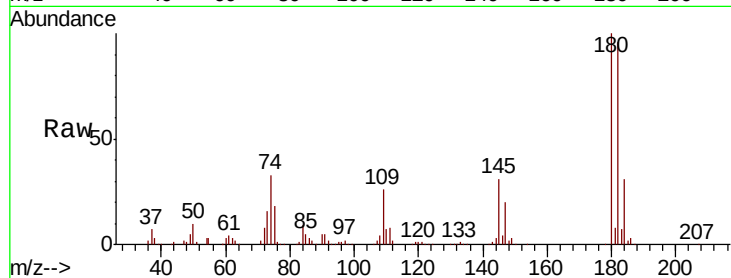




#67
 1,3,5-Trichlorobenzene
 Concen: 5.459 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU038278.D
 Acq: 22 May 2020 13:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.4	116.2
184	30.7	24.2	36.2
145	30.7	24.0	36.0



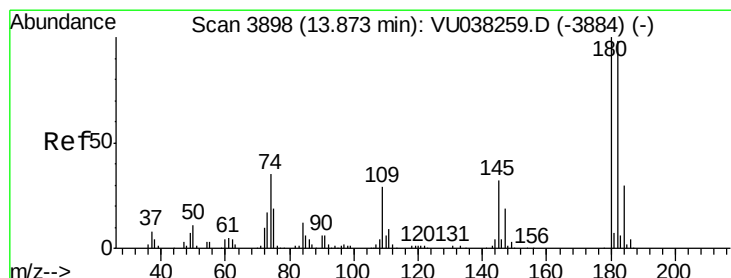
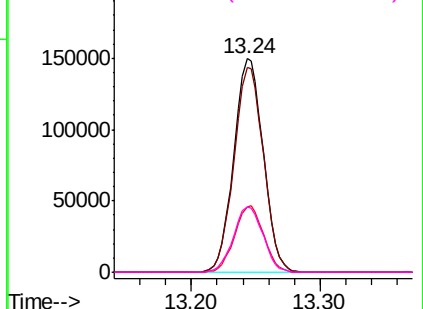
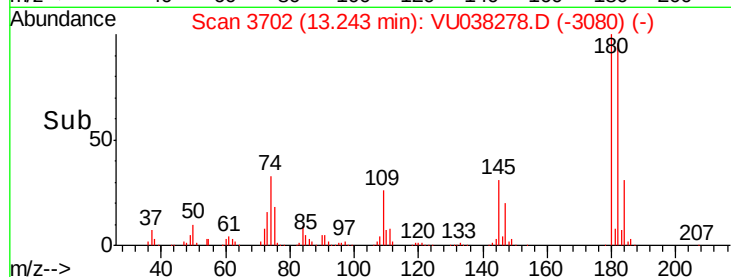
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

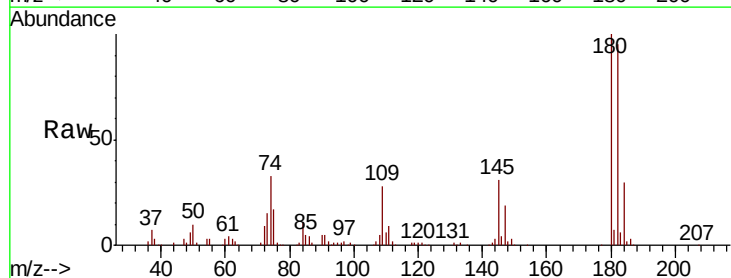
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.607 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.00 min
 Lab File: VU038278.D
 Acq: 22 May 2020 13:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.0	112.6
145	31.2	24.8	37.2

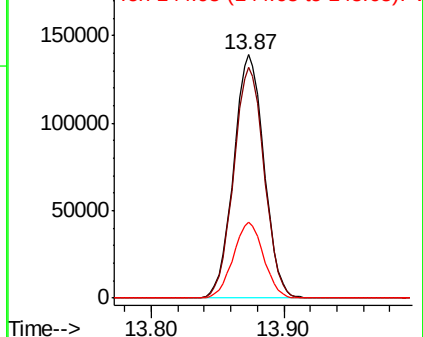
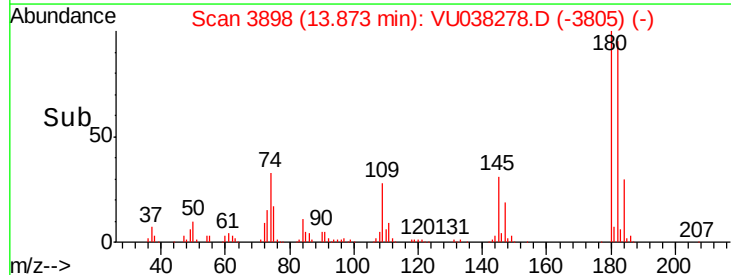


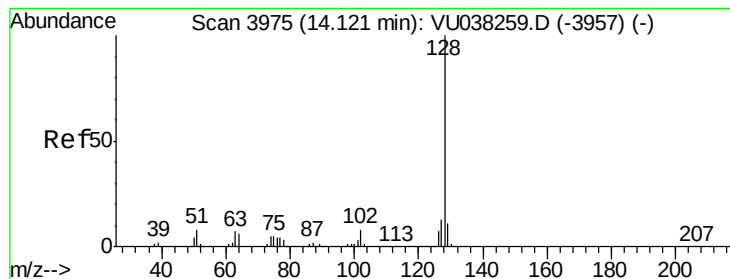
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.449 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.00 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

Instrument :

MSVOA_U

ClientSampleId :

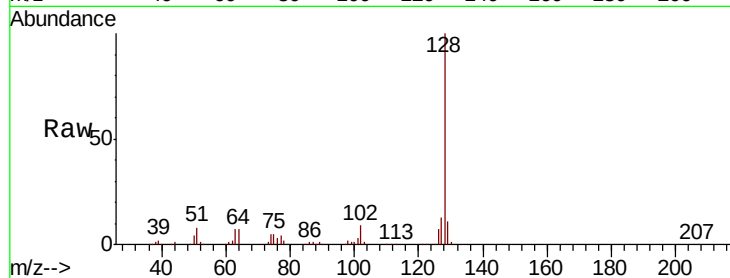
Tot Ion:128 Resp: 452208

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

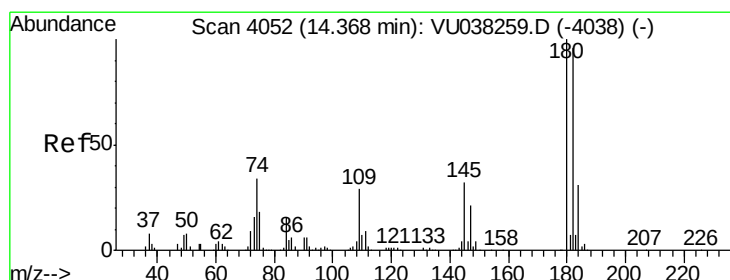
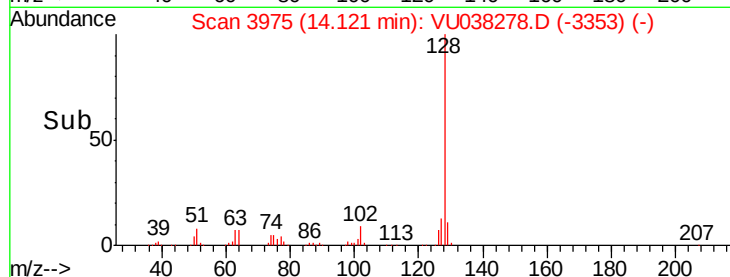
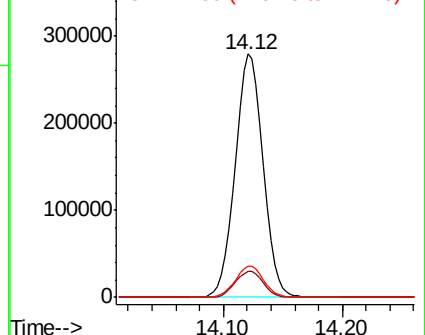
127 13.0 10.2 15.4



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: 5.466 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.00 min

Lab File: VU038278.D

Acq: 22 May 2020 13:11

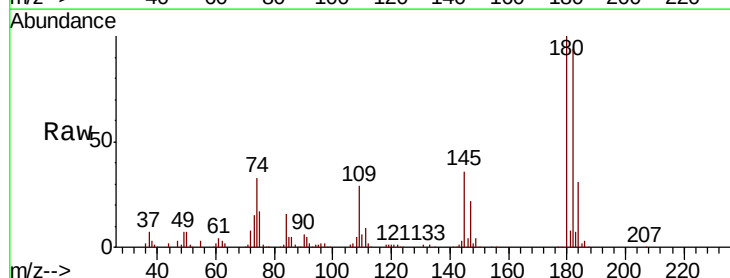
Tgt Ion:180 Resp: 200259

Ion Ratio Lower Upper

180 100

182 94.4 76.3 114.5

145 34.0 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

