

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051420\
 Data File : VU038159.D
 Acq On : 14 May 2020 10:39
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 15 01:02:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 14 13:11:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	395714	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	381758	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	186989	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	157796	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.93	69	130539	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.40%
11) 1,1-Dichloroethene-d2	2.59	63	255239	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.40%
20) 2-Butanone-d5	4.68	46	498523	55.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.64%
24) Chloroform-d	5.10	84	243018	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.74	65	144304	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.76	84	509632	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.72	67	165716	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.80%
41) Toluene-d8	7.92	98	465483	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	8.20	79	68821	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.66	63	368468	52.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.52%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	144832	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	169121	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	153168	4.232 ug/L	99
3) Chloromethane	1.53	50	179638	4.119 ug/L	100
5) Vinyl chloride	1.62	62	181589	4.249 ug/L	99
6) Bromomethane	1.88	94	96032	3.947 ug/L	98
8) Chloroethane	1.95	64	110836	4.216 ug/L	97
9) Trichlorofluoromethane	2.16	101	192870	4.414 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	120184	4.436 ug/L	98
12) 1,1-Dichloroethene	2.61	96	117588	4.282 ug/L	92
13) Acetone	2.68	43	297275	53.057 ug/L	98
14) Carbon disulfide	2.82	76	385506	3.935 ug/L	99
15) Methyl Acetate	2.99	43	72515	4.627 ug/L	99
16) Methylene chloride	3.08	84	137256	4.288 ug/L	98
17) Methyl tert-butyl Ether	3.40	73	331331	4.342 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	126449	4.218 ug/L	97
19) 1,1-Dichloroethane	3.91	63	249752	4.265 ug/L	98
21) 2-Butanone	4.76	43	521341	52.716 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	139076	4.305 ug/L	98

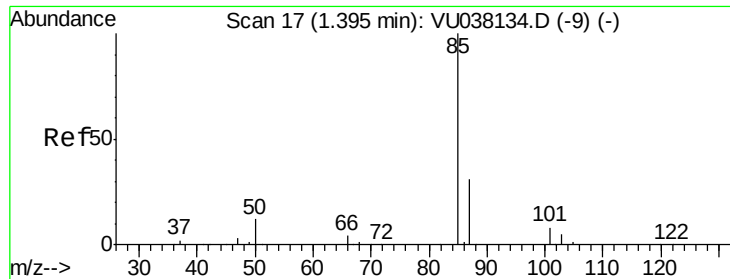
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051420\
 Data File : VU038159.D
 Acq On : 14 May 2020 10:39
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 15 01:02:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 14 13:11:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	62676	4.508	ug/L	94
25) Chloroform	5.13	83	242458	4.439	ug/L	100
27) 1,2-Dichloroethane	5.83	62	170670	4.427	ug/L	97
29) 1,1,1-Trichloroethane	5.35	97	194218	4.440	ug/L	99
30) Cyclohexane	5.42	56	229335	4.441	ug/L	98
31) Carbon tetrachloride	5.56	117	156188	4.443	ug/L	99
33) Benzene	5.81	78	549566	4.495	ug/L	100
34) Trichloroethene	6.57	95	136179	4.454	ug/L	98
35) Methylcyclohexane	6.79	83	223452	4.512	ug/L	97
37) 1,2-Dichloropropane	6.82	63	145334	4.377	ug/L	99
38) Bromodichloromethane	7.13	83	167568	4.365	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	212978	4.481	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	1153361	50.115	ug/L	100
42) Toluene	7.99	91	570116	4.418	ug/L	96
44) trans-1,3-Dichloropropene	8.23	75	179891	4.451	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	106588	4.622	ug/L	96
47) Tetrachloroethene	8.57	164	95152	4.449	ug/L	99
48) 2-Hexanone	8.71	43	869588	51.594	ug/L	100
49) Dibromochloromethane	8.83	129	110520	4.618	ug/L	98
50) 1,2-Dibromoethane	8.95	107	101095	4.724	ug/L	99
51) Chlorobenzene	9.47	112	357851	4.468	ug/L	98
52) Ethylbenzene	9.59	91	624987	4.471	ug/L	99
53) m,p-Xylene	9.71	106	244328	4.558	ug/L	100
54) o-Xylene	10.12	106	232031	4.477	ug/L	98
55) Styrene	10.13	104	394962	4.540	ug/L	98
56) Isopropylbenzene	10.50	105	611120	4.591	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	141650	4.838	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	109320	4.905	ug/L	99
61) Bromoform	10.31	173	58613	4.637	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	278835	4.583	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	278213	4.513	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	265293	4.532	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	22440	4.691	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	202432	4.585	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	184507	4.608	ug/L	98
69) Naphthalene	14.12	128	405078	4.805	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	174024	4.676	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.232 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

Instrument :

MSVOA_U

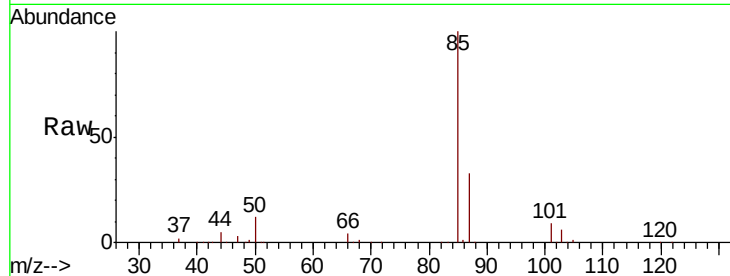
ClientSampleId :

Tot Ion: 85 Resp: 153168

Ion Ratio Lower Upper

85 100

87 32.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038134.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038134.D (-9) (-)

1.39

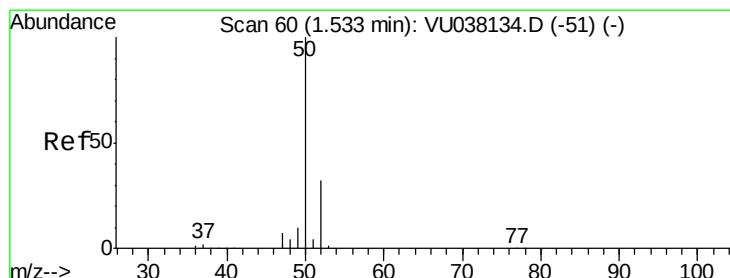
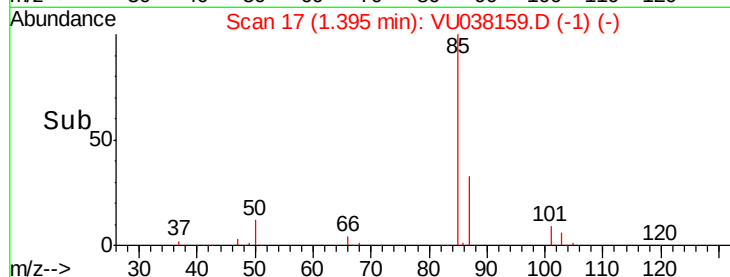
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.119 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038159.D

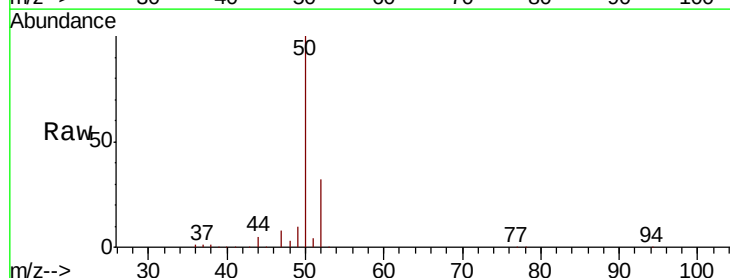
Acq: 14 May 2020 10:39

Tgt Ion: 50 Resp: 179638

Ion Ratio Lower Upper

50 100

52 32.2 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU038134.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU038134.D (-51) (-)

1.53

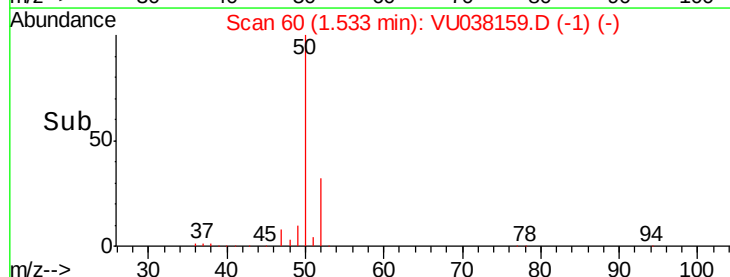
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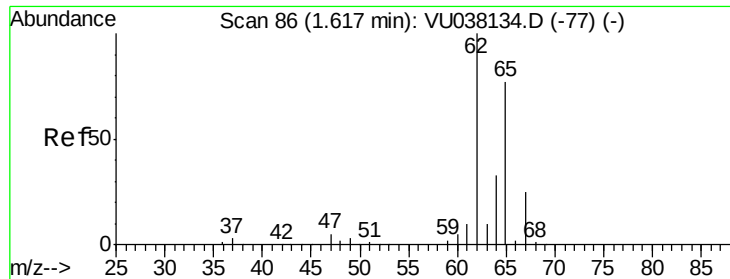
100000

50000

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Time-->





#5

Vinyl chloride

Concen: 4.249 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

Instrument :

MSVOA_U

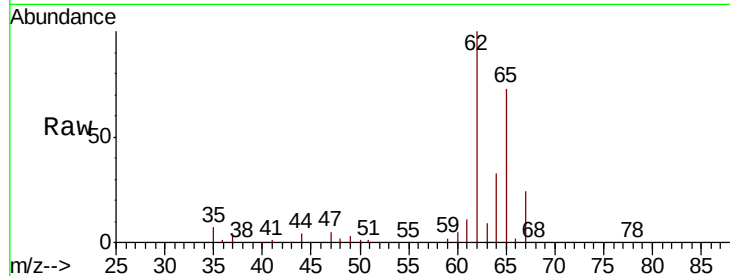
ClientSampleId :

Tot Ion: 62 Resp: 181589

Ion Ratio Lower Upper

62 100

64 32.9 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU038134.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU038134.D (-77) (-)

1.62

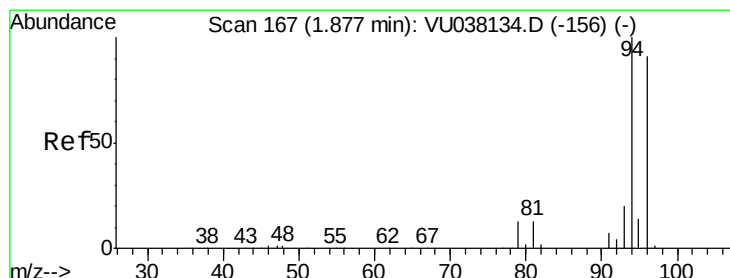
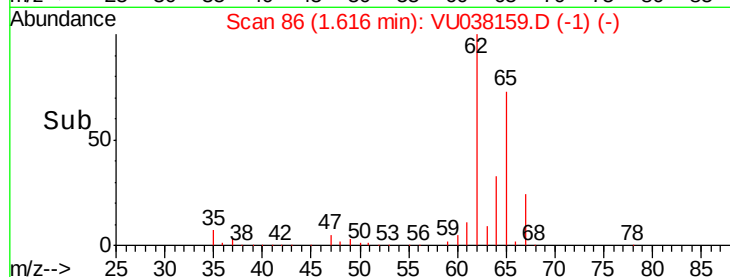
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 3.947 ug/L

RT: 1.88 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU038159.D

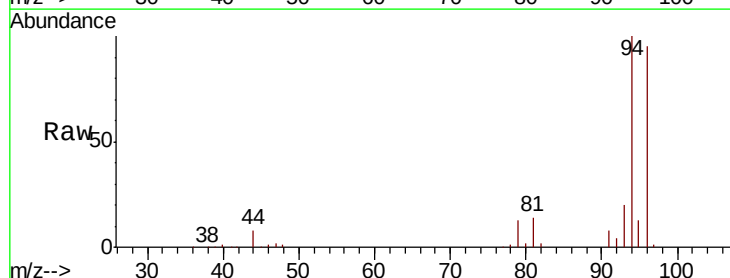
Acq: 14 May 2020 10:39

Tgt Ion: 94 Resp: 96032

Ion Ratio Lower Upper

94 100

96 94.7 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU038134.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU038134.D (-156) (-)

1.88

80000

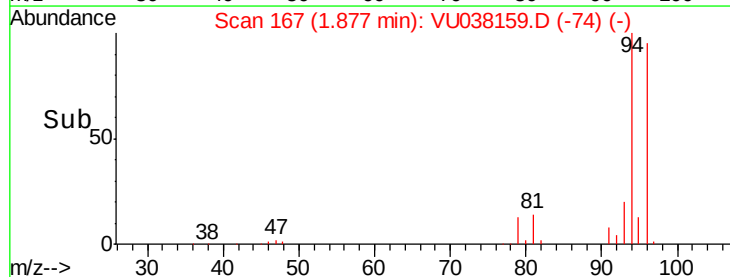
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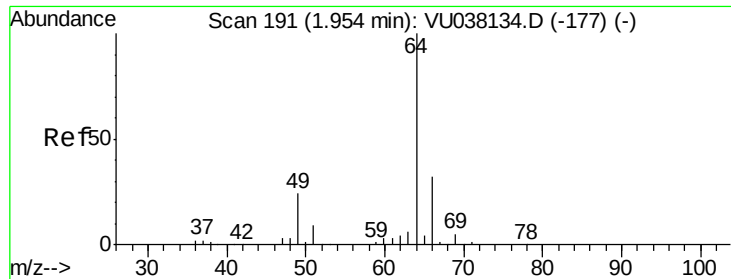
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20000

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Time-->

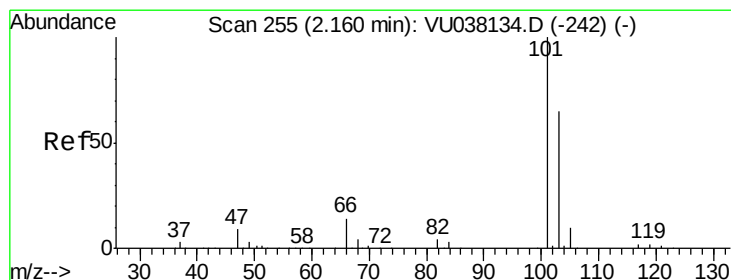
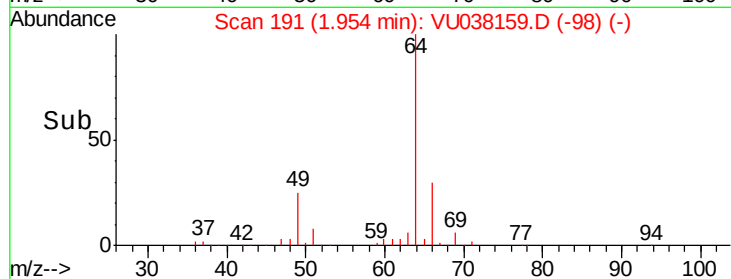
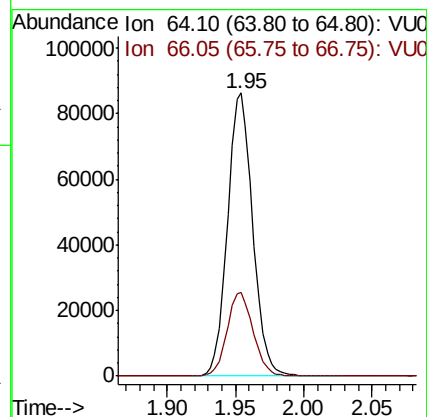
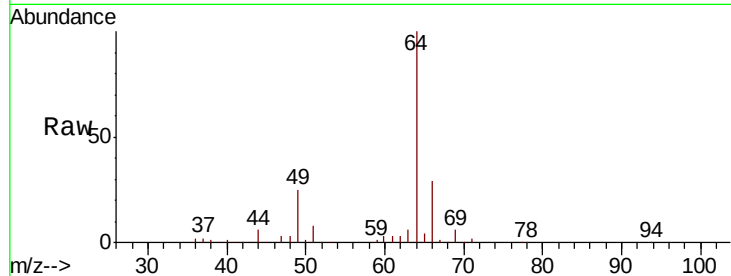




#8
Chloroethane
Concen: 4.216 ug/L
RT: 1.95 min Scan# 191
Delta R.T. -0.00 min
Lab File: VU038159.D
Acq: 14 May 2020 10:39

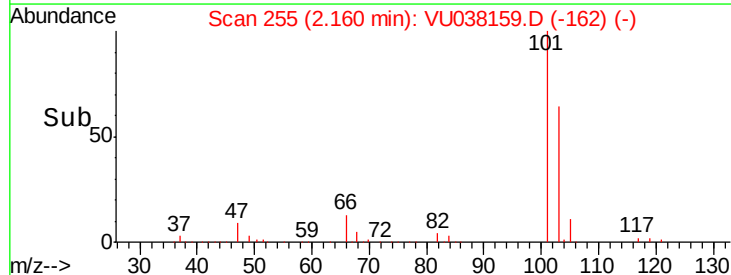
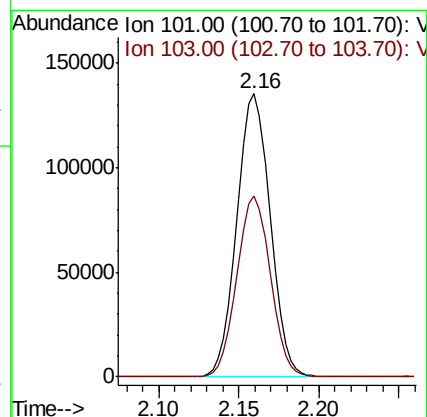
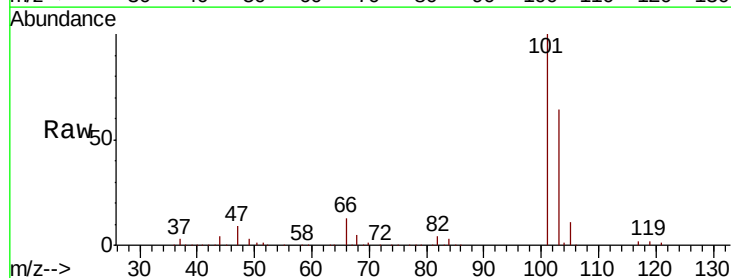
Instrument :
MSVOA_U
ClientSampled :

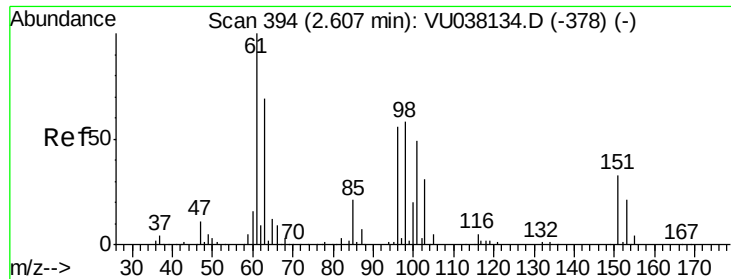
Tot Ion: 64 Resp: 110836
Ion Ratio Lower Upper
64 100
66 29.4 21.8 40.4



#9
Trichlorofluoromethane
Concen: 4.414 ug/L
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU038159.D
Acq: 14 May 2020 10:39

Tgt Ion:101 Resp: 192870
Ion Ratio Lower Upper
101 100
103 64.1 51.0 76.4





#10

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

Concen: 4.436 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

Instrument :

MSVOA_U

ClientSampled :

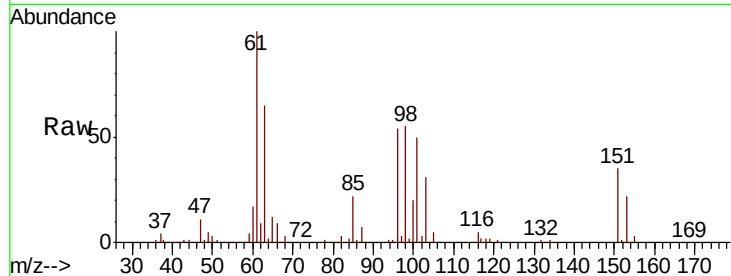
Tot Ion:101 Resp: 120184

Ion Ratio Lower Upper

101 100

85 45.1 35.3 52.9

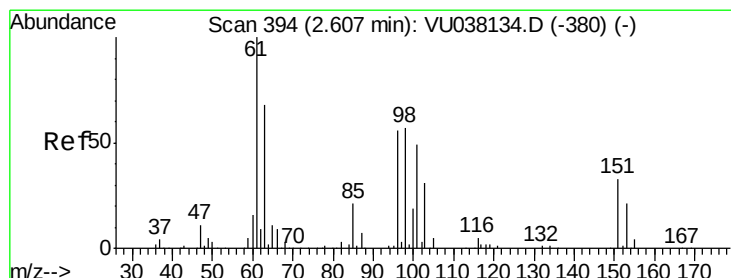
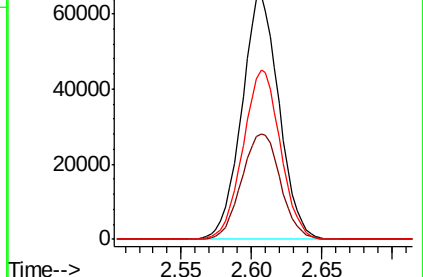
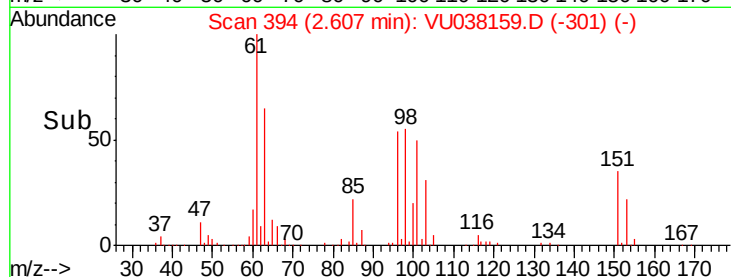
151 69.6 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): VU038159.D (-301) (-)

Ion 85.00 (84.70 to 85.70): VU038159.D (-301) (-)

Ion 151.00 (150.70 to 151.70): VU038159.D (-301) (-)



#12

1,1-Dichloroethene

Concen: 4.282 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

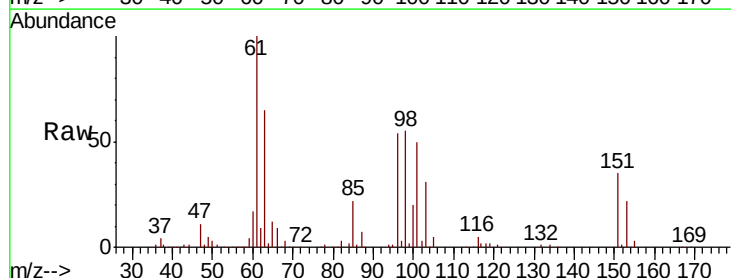
Tgt Ion: 96 Resp: 117588

Ion Ratio Lower Upper

96 100

61 184.7 126.2 234.4

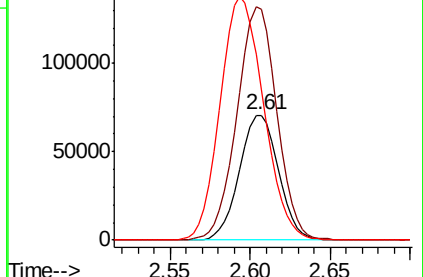
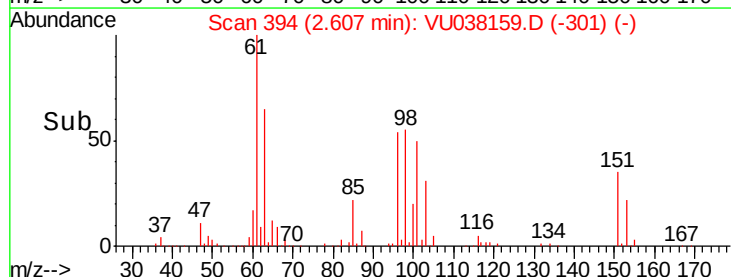
63 119.9 96.9 179.9

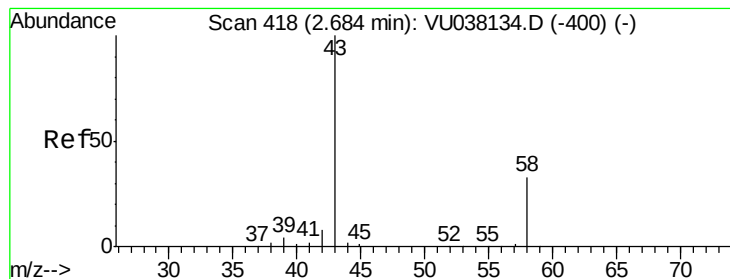


Abundance Ion 96.00 (95.70 to 96.70): VU038159.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU038159.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU038159.D (-301) (-)





#13

Acetone

Concen: 53.057 ug/L

RT: 2.68 min Scan# 418

Delta R.T. -0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

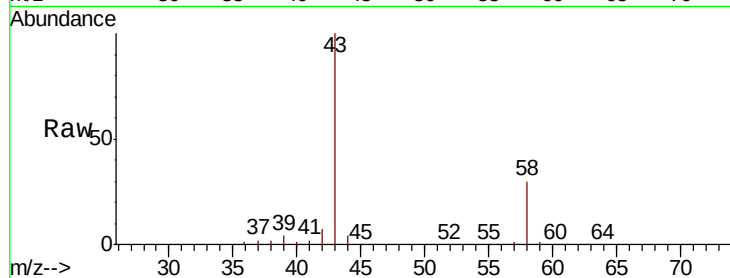
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 297275

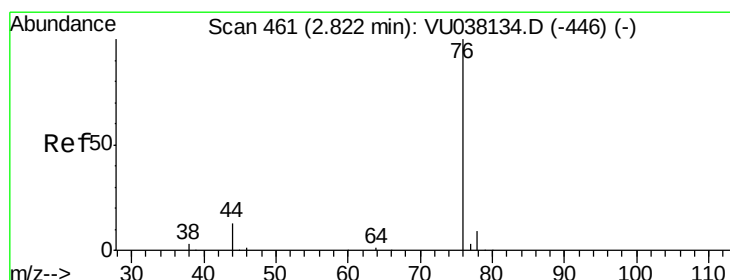
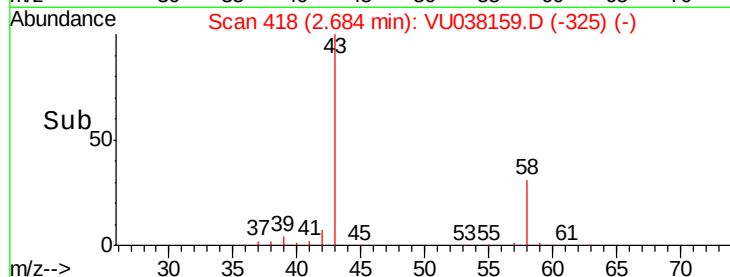
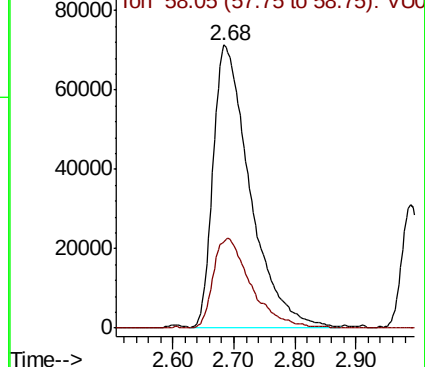
Ion Ratio Lower Upper

43 100

58 33.0 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038159.D (-325) (-)



#14

Carbon disulfide

Concen: 3.935 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU038159.D

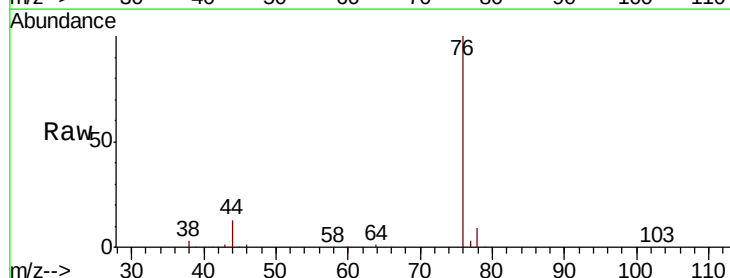
Acq: 14 May 2020 10:39

Tgt Ion: 76 Resp: 385506

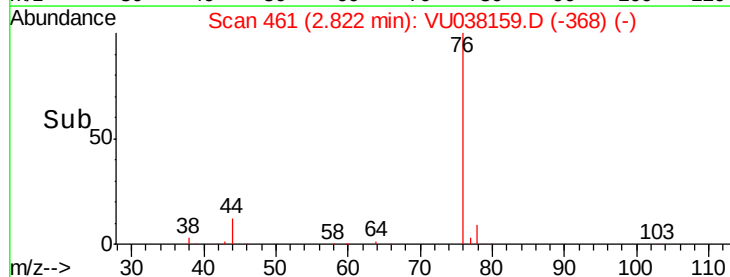
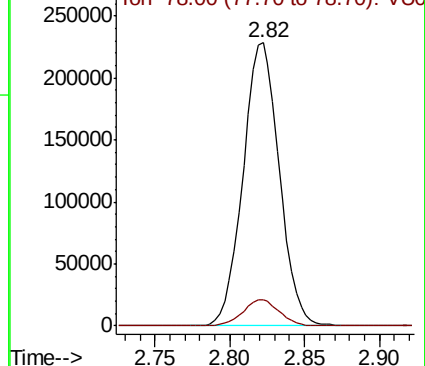
Ion Ratio Lower Upper

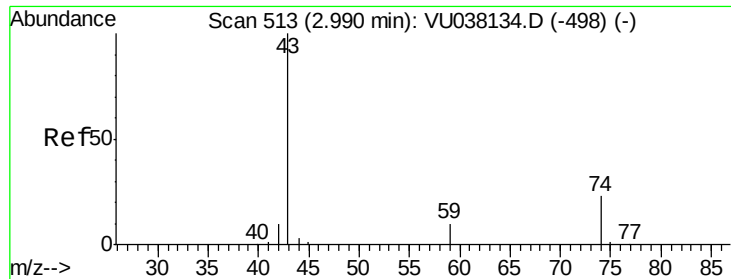
76 100

78 9.4 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038159.D (-368) (-)

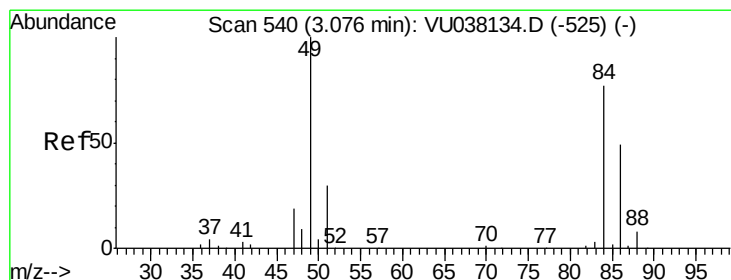
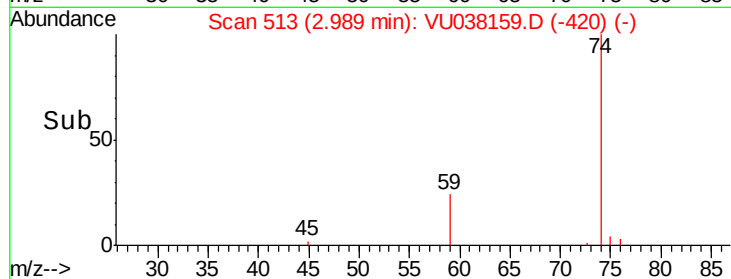
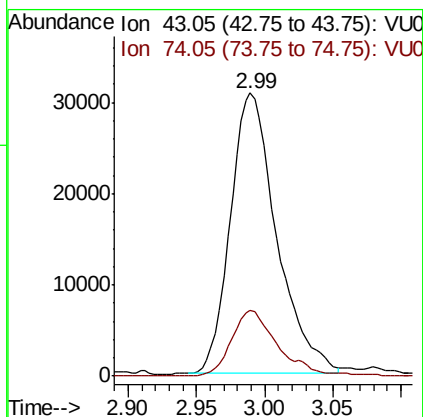
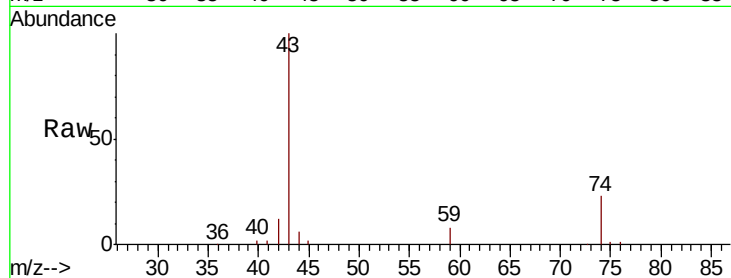




#15
Methvl Acetate
Concen: 4.627 ug/L
RT: 2.99 min Scan# 513
Delta R.T. -0.00 min
Lab File: VU038159.D
Acq: 14 May 2020 10:39

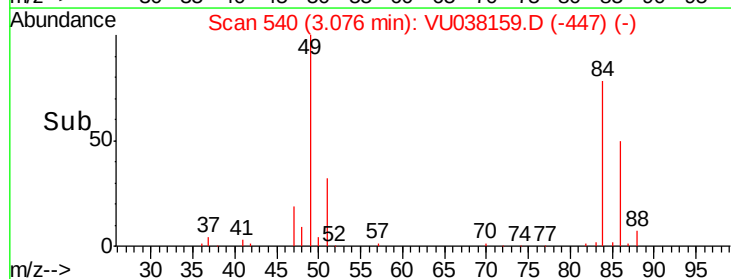
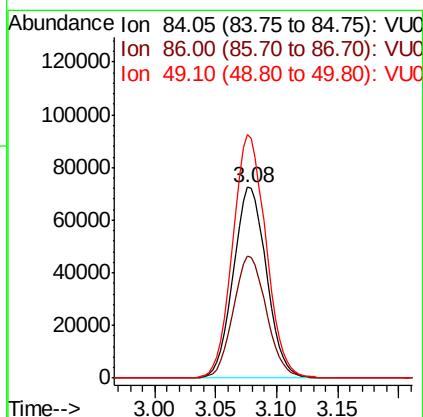
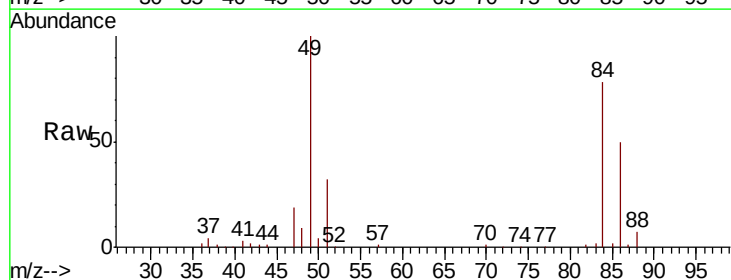
Instrument :
MSVOA_U
ClientSampleId :

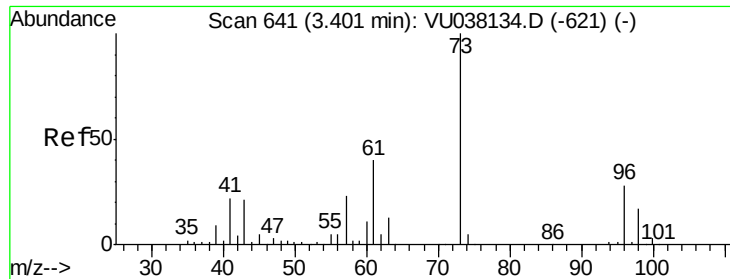
Tot Ion: 43 Resp: 72515
Ion Ratio Lower Upper
43 100
74 23.0 18.0 27.0



#16
Methylene chloride
Concen: 4.288 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038159.D
Acq: 14 May 2020 10:39

Tgt Ion: 84 Resp: 137256
Ion Ratio Lower Upper
84 100
86 63.7 44.9 83.3
49 127.6 92.0 170.9

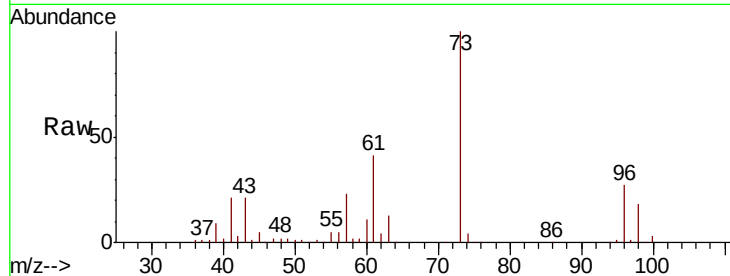




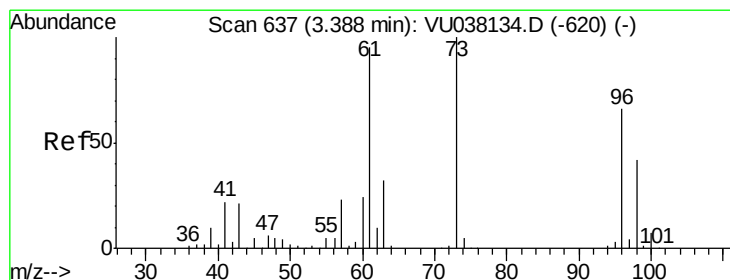
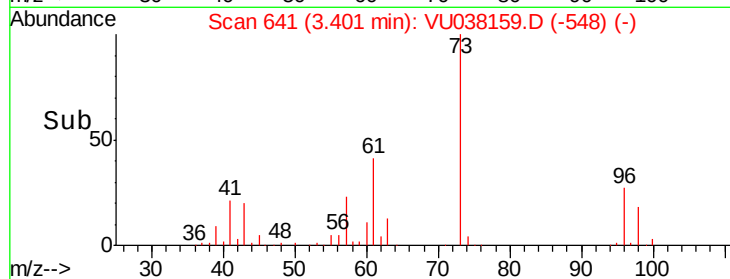
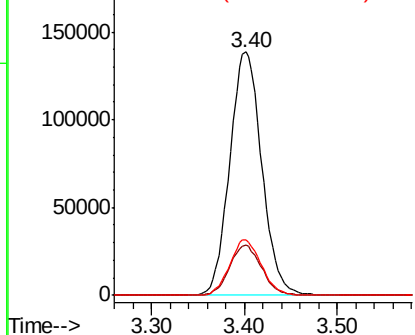
#17
Methyl tert-butyl Ether
Concen: 4.342 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038159.D
Acq: 14 May 2020 10:39

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 331331
Ion Ratio Lower Upper
73 100
43 20.4 16.9 25.3
57 22.6 18.2 27.2

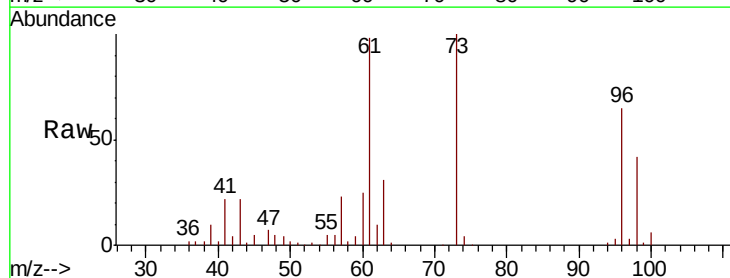


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

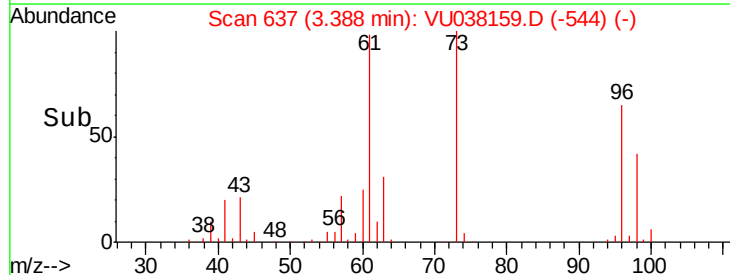
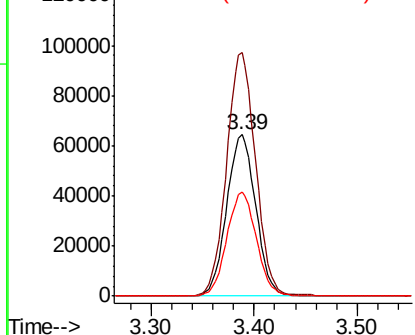


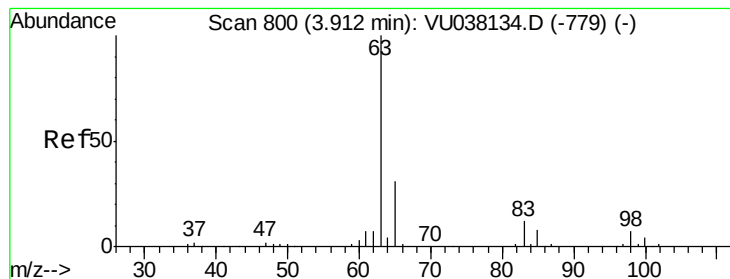
#18
trans-1,2-Dichloroethene
Concen: 4.218 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038159.D
Acq: 14 May 2020 10:39

Tgt Ion: 96 Resp: 126449
Ion Ratio Lower Upper
96 100
61 150.7 102.1 189.5
98 64.5 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: 4.265 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

Instrument :

MSVOA_U

ClientSampled :

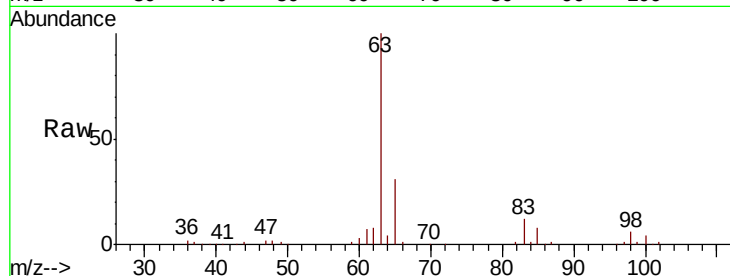
Tot Ion: 63 Resp: 249752

Ion Ratio Lower Upper

63 100

65 31.1 22.5 41.7

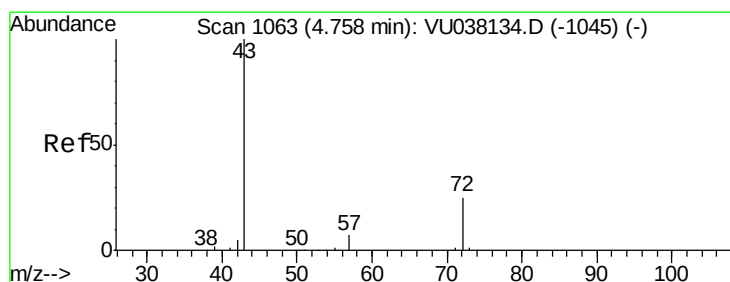
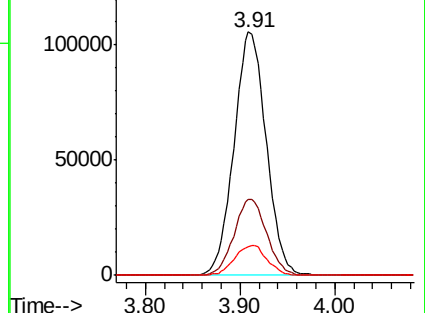
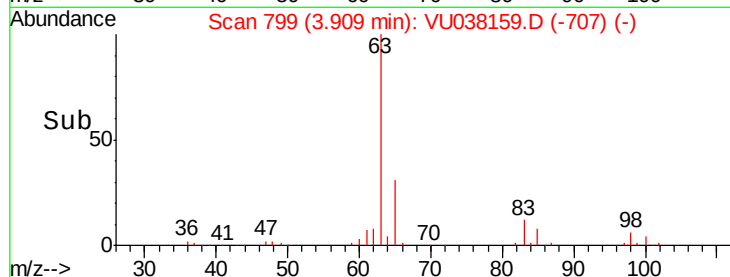
83 11.6 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU038159.D (-799) (-)

Ion 65.10 (64.80 to 65.80): VU038159.D (-799) (-)

Ion 83.05 (82.75 to 83.75): VU038159.D (-799) (-)



#21

2-Butanone

Concen: 52.716 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VU038159.D

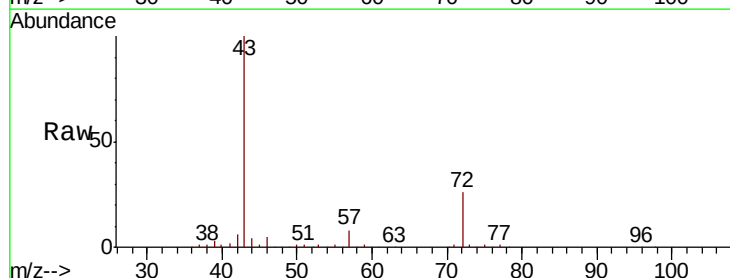
Acq: 14 May 2020 10:39

Tgt Ion: 43 Resp: 521341

Ion Ratio Lower Upper

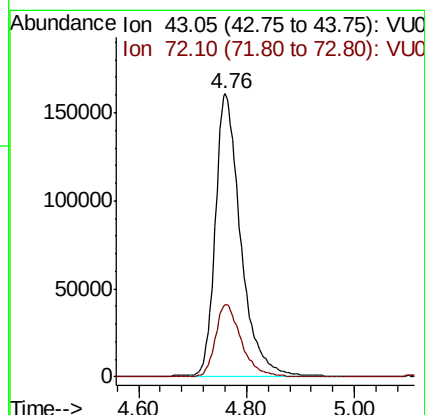
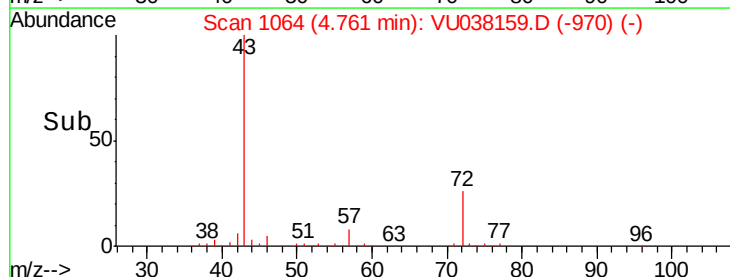
43 100

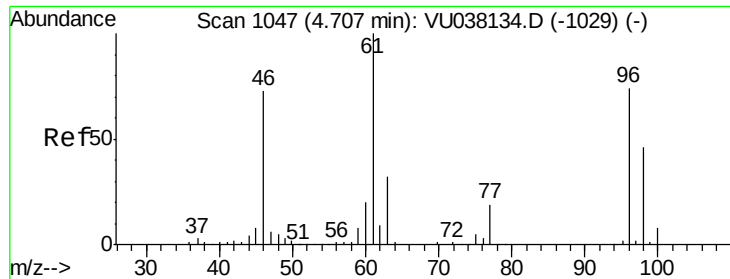
72 26.4 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU038159.D (-1064) (-)

Ion 72.10 (71.80 to 72.80): VU038159.D (-1064) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.305 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

Instrument :
MSVOA_U
ClientSampled :

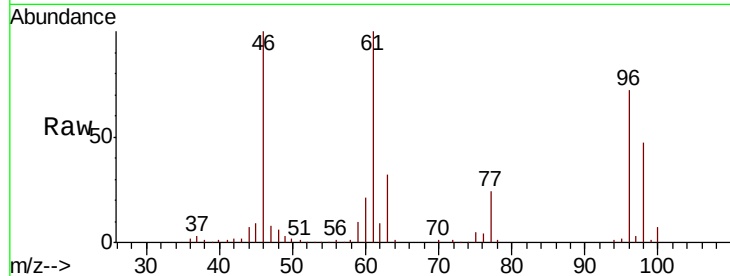
Tot Ion: 96 Resp: 139076

Ion Ratio Lower Upper

96 100

61 138.8 95.3 176.9

68 0.0 0.0 0.0

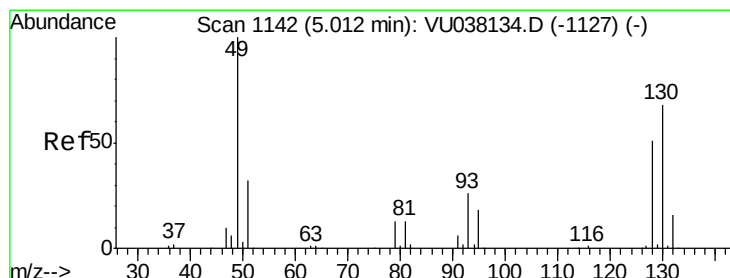
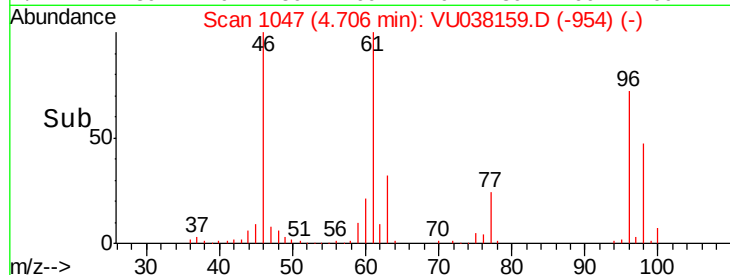
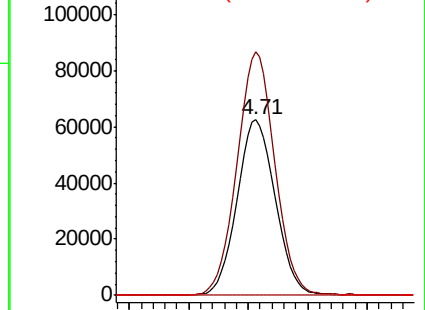


Abundance

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: 4.508 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

Tgt Ion: 128 Resp: 62676

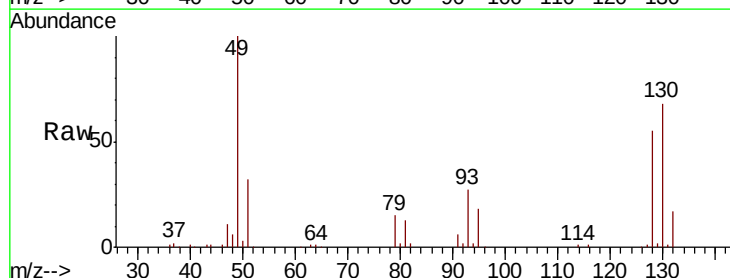
Ion Ratio Lower Upper

128 100

49 183.0 135.6 251.8

130 124.9 91.4 169.8

51 59.3 49.6 74.4



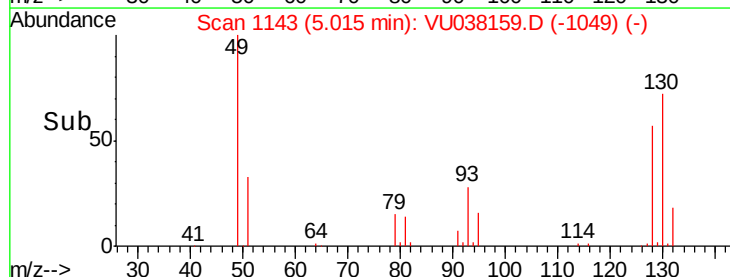
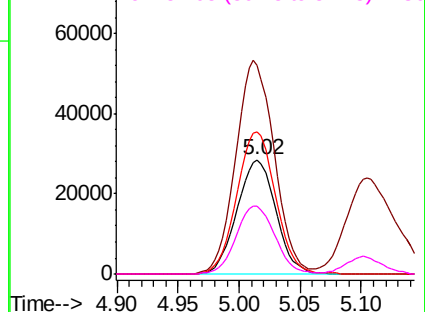
Abundance

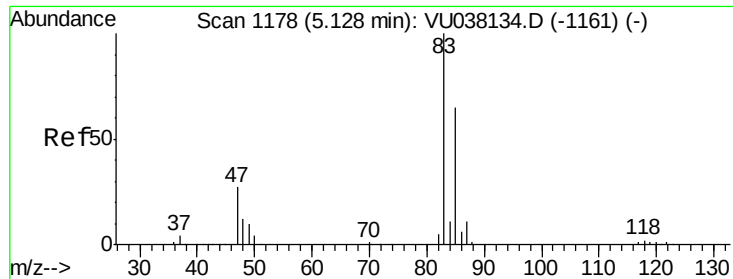
Ion 127.90 (127.60 to 128.60): V

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

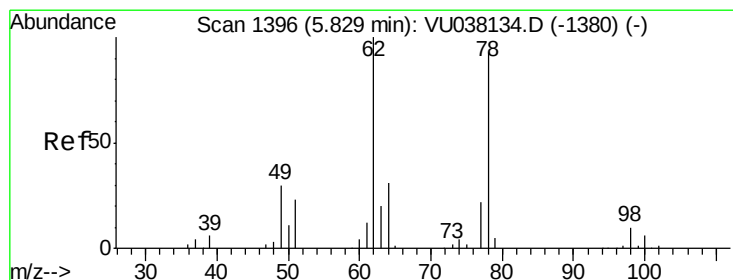
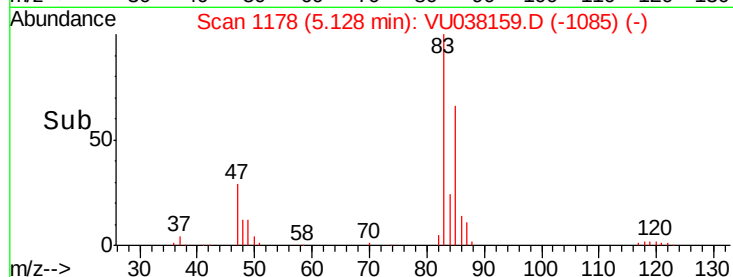
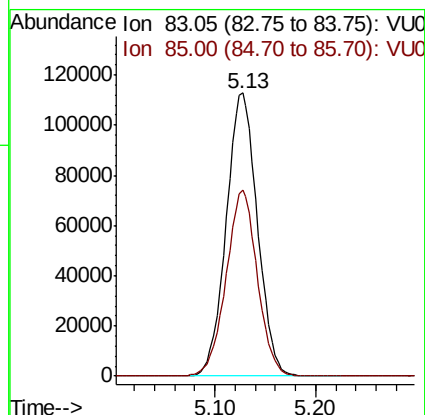
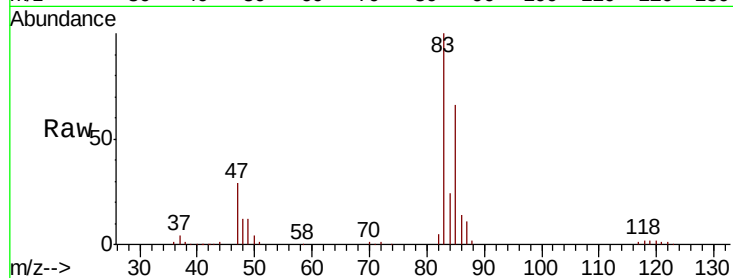




#25
Chloroform
Concen: 4.439 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038159.D
Acq: 14 May 2020 10:39

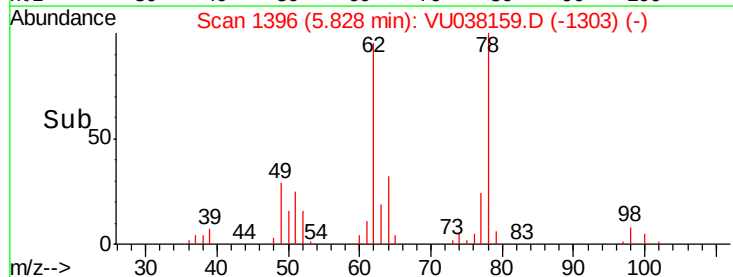
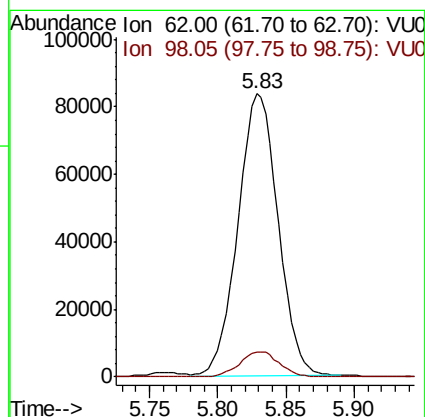
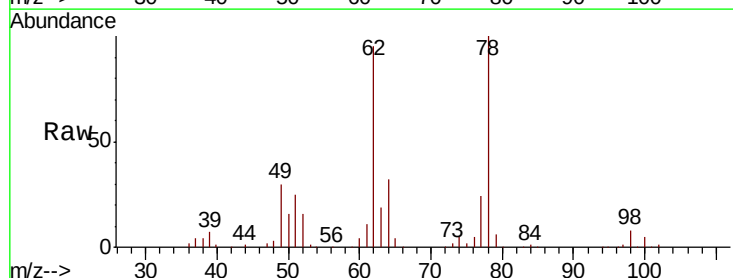
Instrument :
MSVOA_U
ClientSampled :

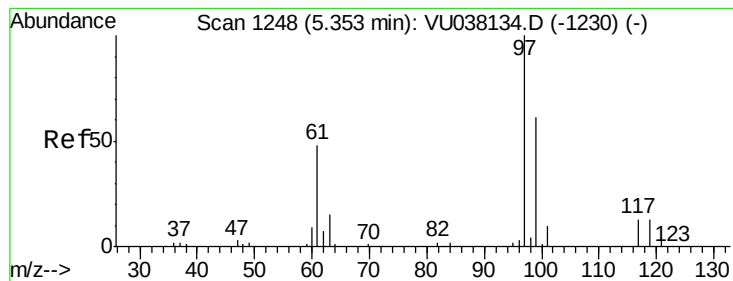
Tot Ion: 83 Resp: 242458
Ion Ratio Lower Upper
83 100
85 65.9 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.427 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038159.D
Acq: 14 May 2020 10:39

Tgt Ion: 62 Resp: 170670
Ion Ratio Lower Upper
62 100
98 8.7 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.440 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

Instrument :

MSVOA_U

ClientSampleId :

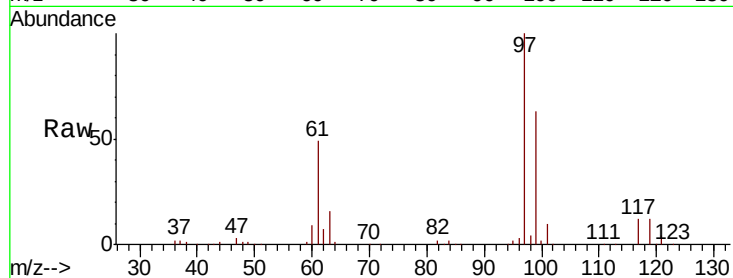
Tot Ion: 97 Resp: 194218

Ion Ratio Lower Upper

97 100

99 64.0 51.0 76.4

61 49.1 38.2 57.4

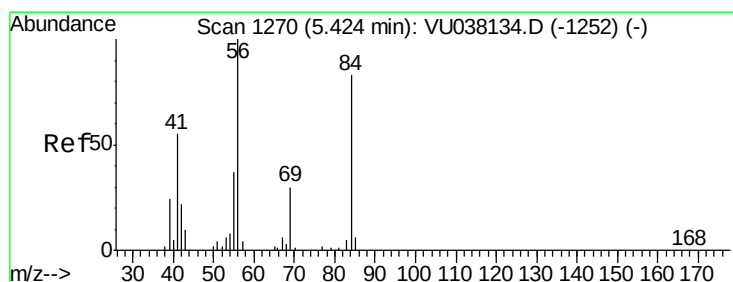
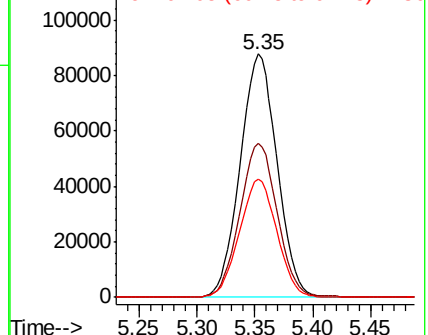
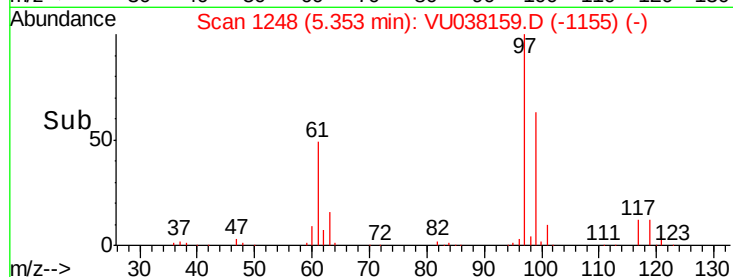


Abundance

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: 4.441 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

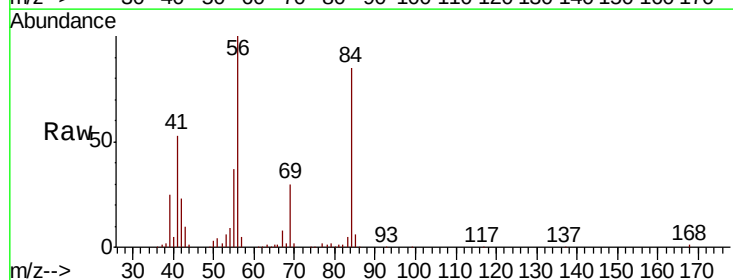
Tgt Ion: 56 Resp: 229335

Ion Ratio Lower Upper

56 100

69 29.9 24.2 36.4

84 83.9 68.5 102.7

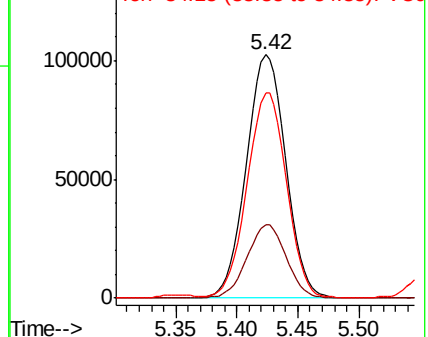
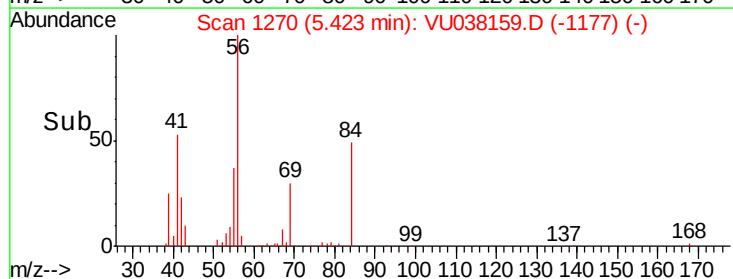


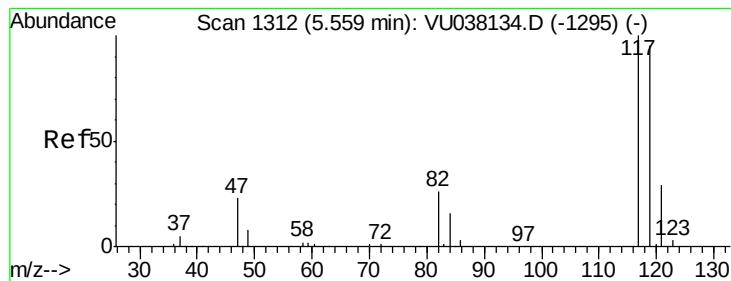
Abundance

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: 4.443 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

Instrument :

MSVOA_U

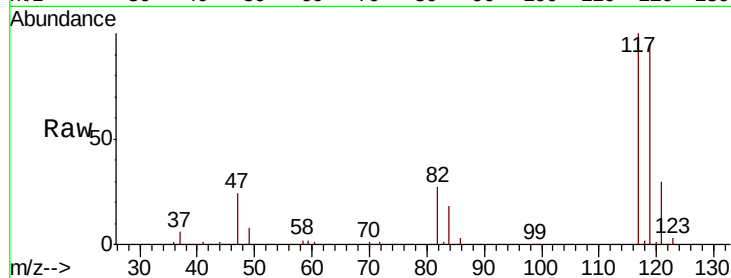
ClientSampled :

Tot Ion:117 Resp: 156188

Ion Ratio Lower Upper

117 100

119 95.6 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

80000

60000

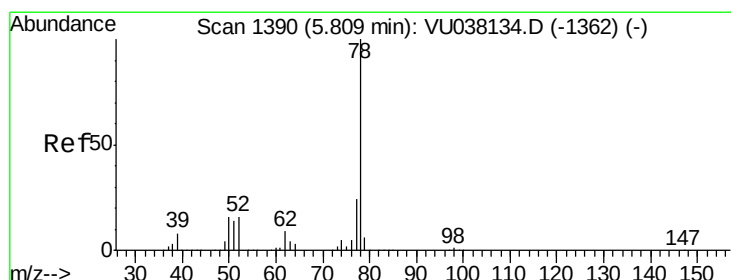
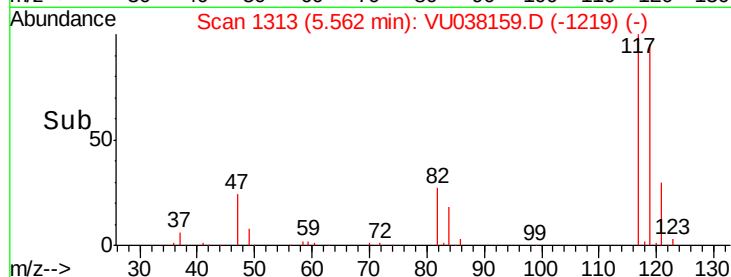
40000

20000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 4.495 ug/L

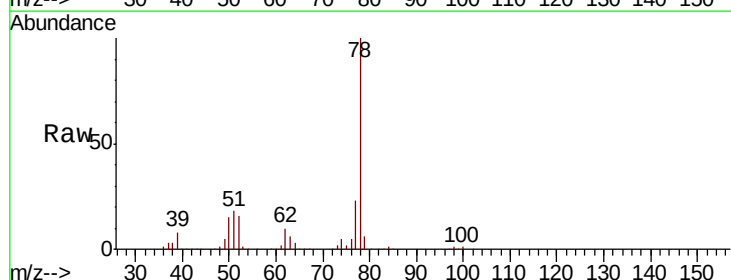
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

Tgt Ion: 78 Resp: 549566



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

300000

250000

200000

150000

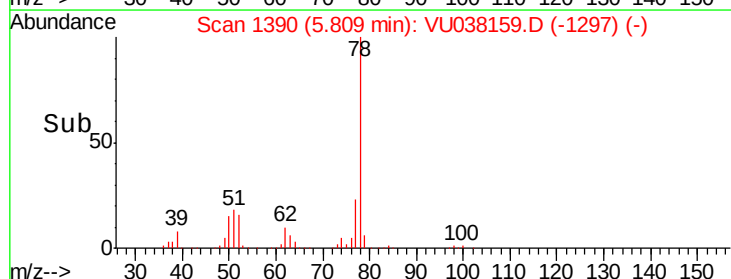
100000

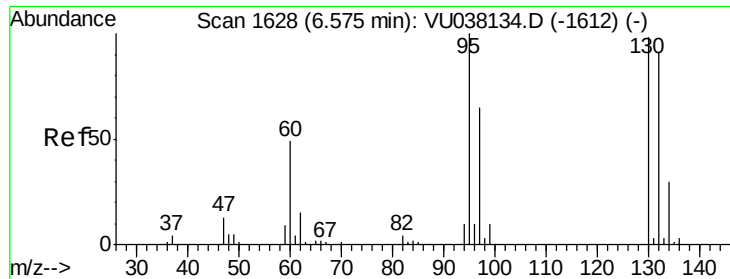
50000

0

Time-->

5.70 5.80 5.90 6.00





#34

Trichloroethene

Concen: 4.454 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 136179

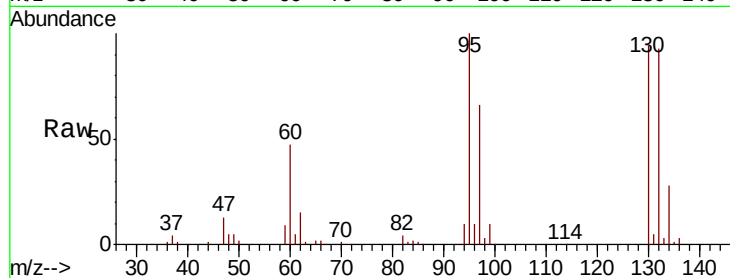
Ion Ratio Lower Upper

95 100

97 65.8 44.9 83.3

132 93.1 63.3 117.5

130 93.8 65.7 122.1

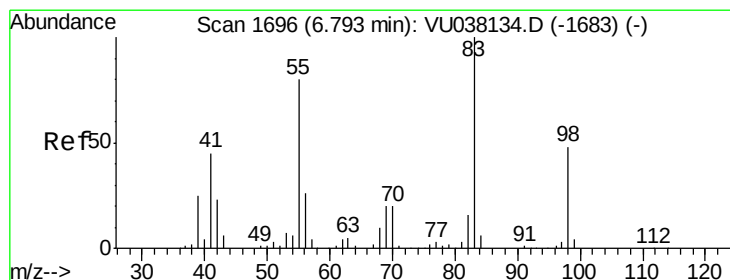
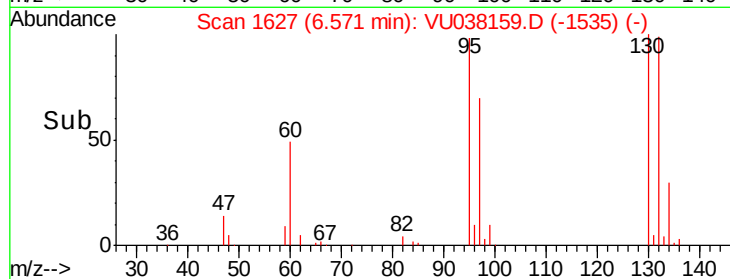
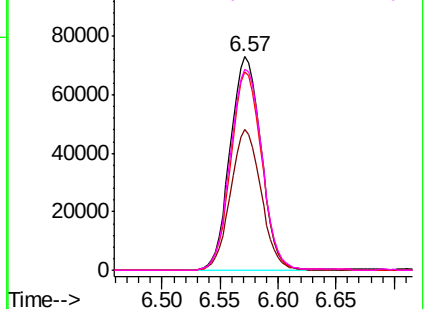


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.512 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

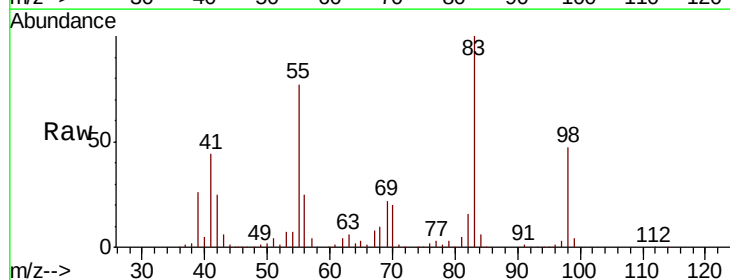
Tgt Ion: 83 Resp: 223452

Ion Ratio Lower Upper

83 100

55 80.4 66.7 100.1

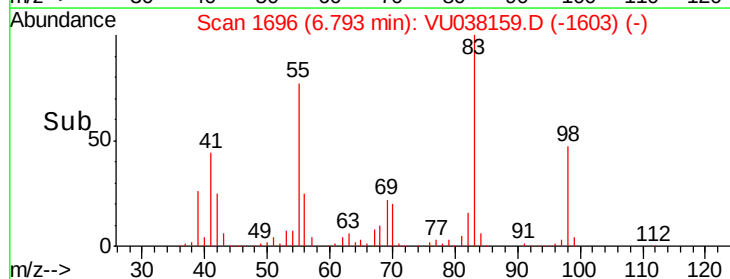
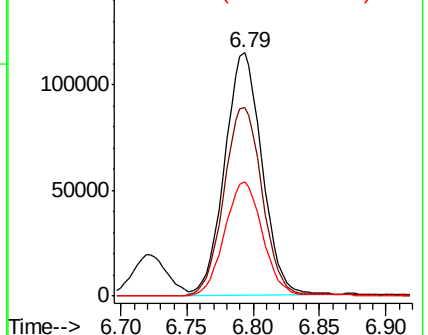
98 48.3 39.4 59.2

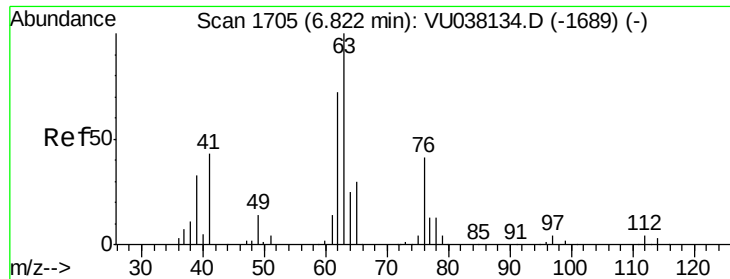


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

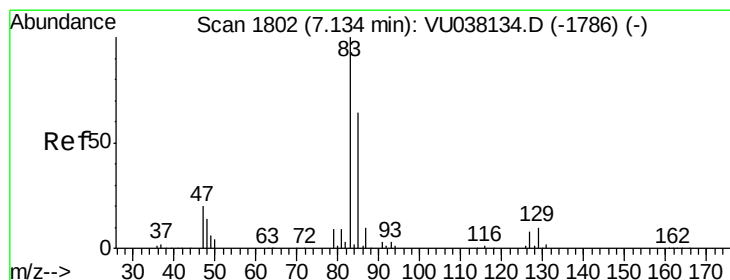
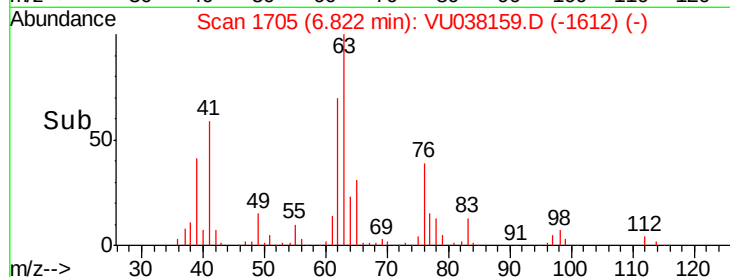
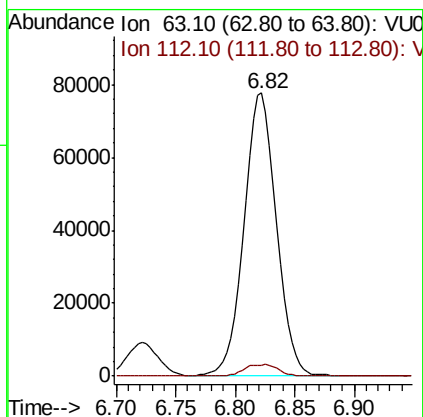
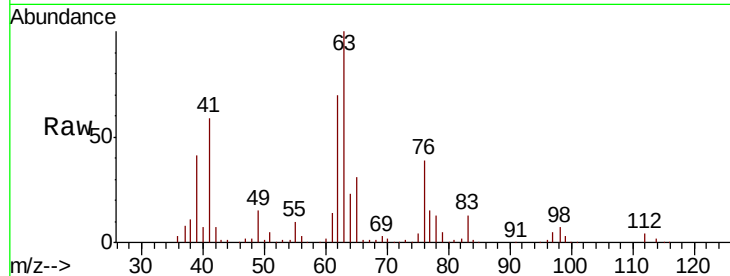




#37
 1,2-Dichloropropane
 Concen: 4.377 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU038159.D
 Acq: 14 May 2020 10:39

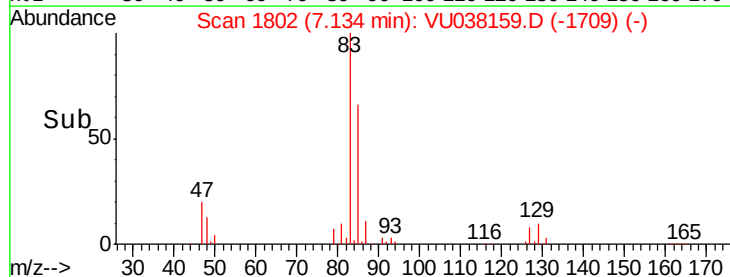
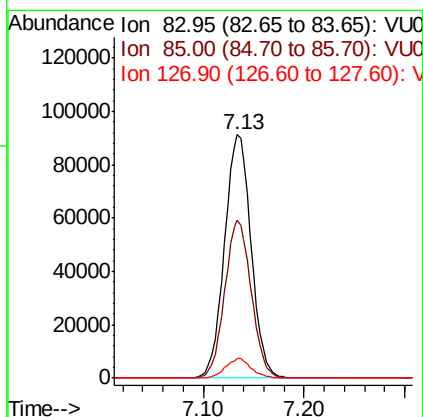
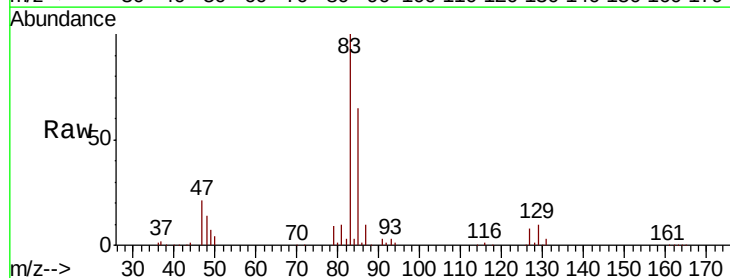
Instrument :
 MSVOA_U
 ClientSampled :

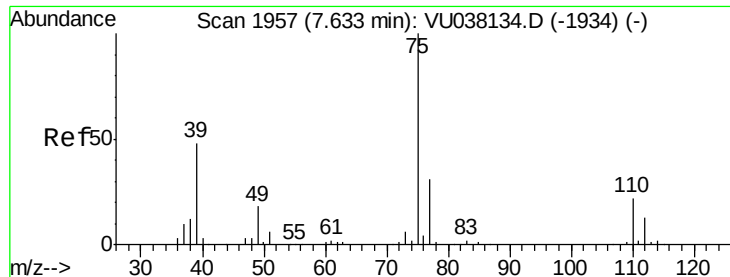
Tot Ion: 63 Resp: 145334
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.1 4.7



#38
 Bromodichloromethane
 Concen: 4.365 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU038159.D
 Acq: 14 May 2020 10:39

Tgt Ion: 83 Resp: 167568
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.6 82.8
 127 7.8 6.4 9.6

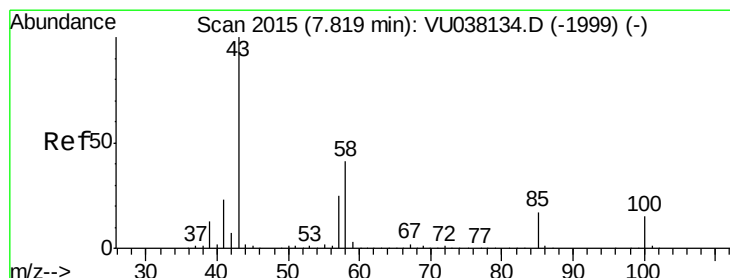
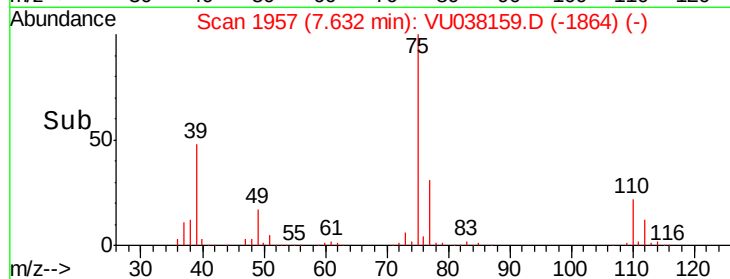
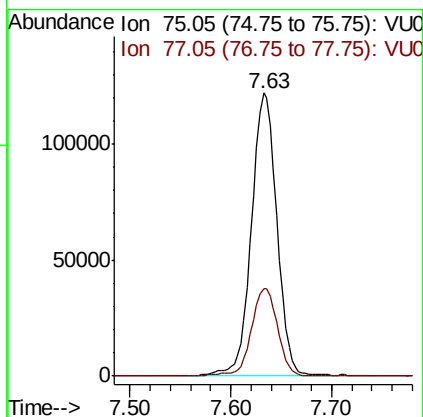
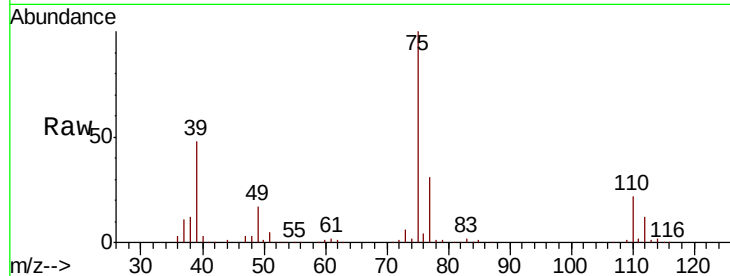




#39
 cis-1,3-Dichloropropene
 Concen: 4.481 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038159.D
 Acq: 14 May 2020 10:39

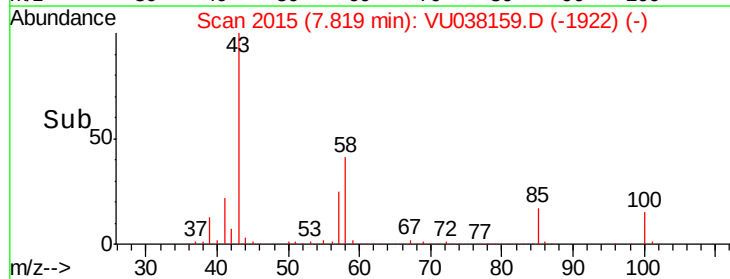
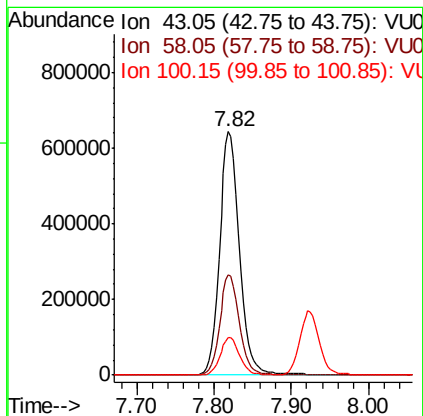
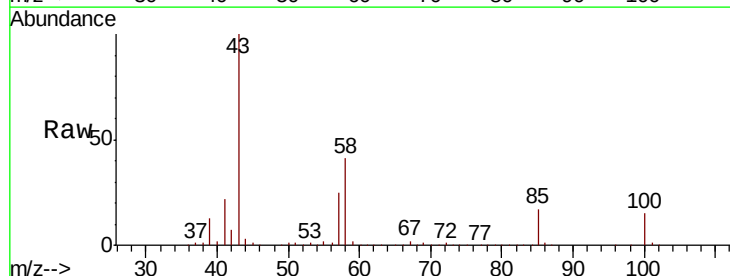
Instrument :
 MSVOA_U
 ClientSampled :

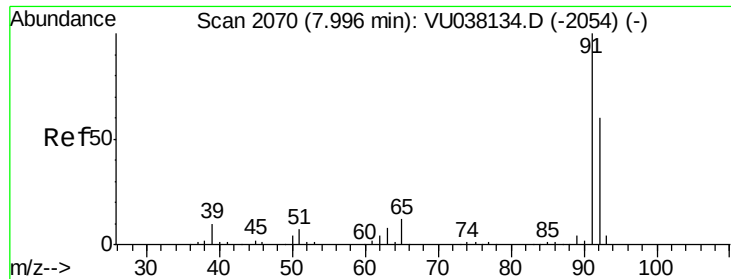
Tot Ion: 75 Resp: 212978
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 50.115 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU038159.D
 Acq: 14 May 2020 10:39

Tgt Ion: 43 Resp: 1153361
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.2 48.4
 100 15.2 12.1 18.1





#42

Toluene

Concen: 4.418 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

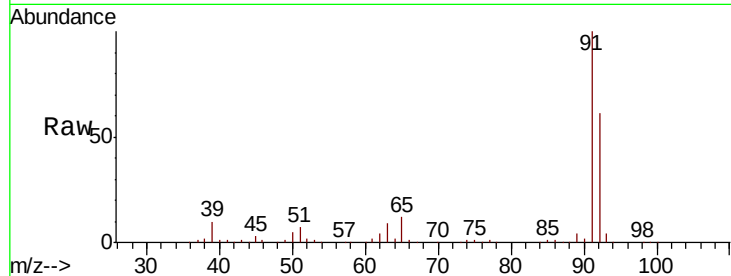
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 570116

Ion Ratio Lower Upper

91 100

92 61.0 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038134.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038134.D (-2054) (-)

7.99

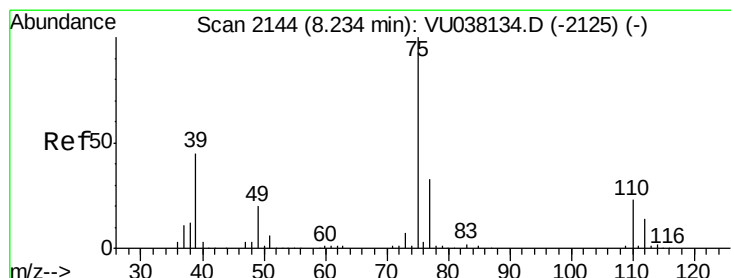
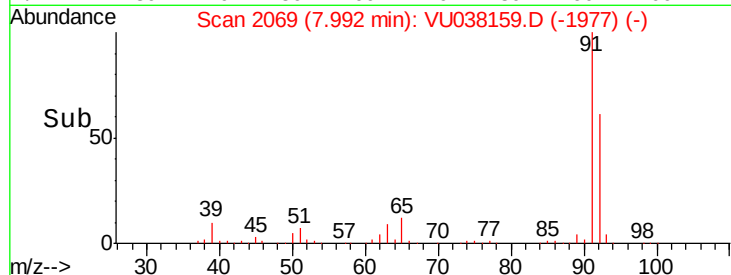
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.451 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU038159.D

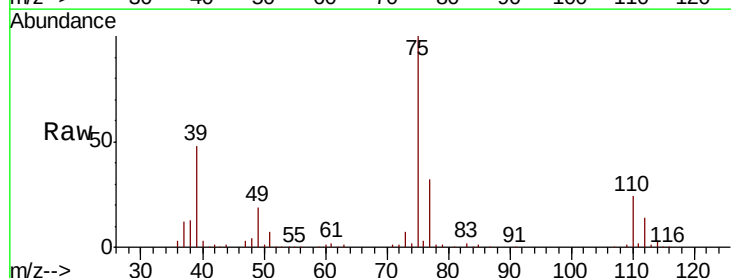
Acq: 14 May 2020 10:39

Tgt Ion: 75 Resp: 179891

Ion Ratio Lower Upper

75 100

77 31.7 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038134.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038134.D (-2125) (-)

8.23

120000

100000

80000

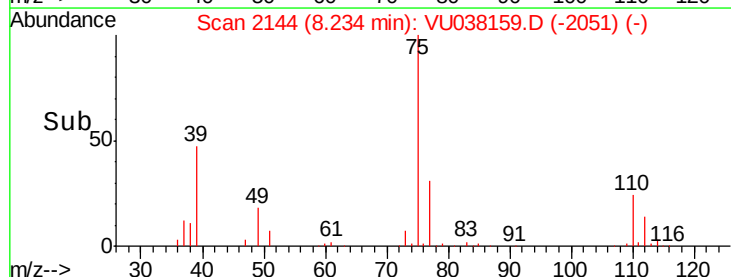
60000

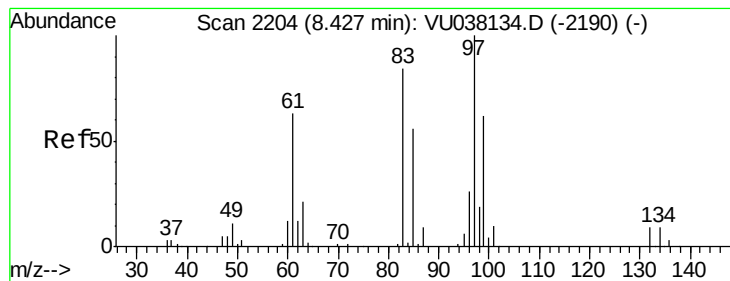
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.622 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 106588

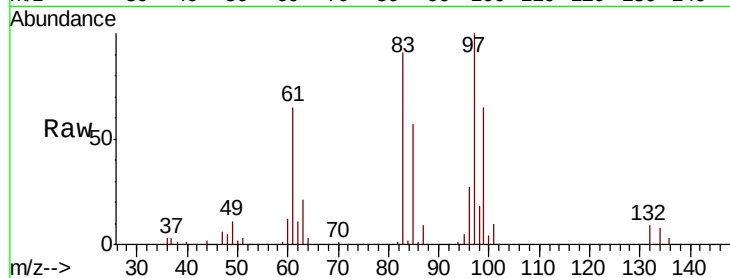
Ion Ratio Lower Upper

97 100

99 64.7 44.0 81.6

83 91.1 59.6 110.8

85 57.1 41.3 76.7



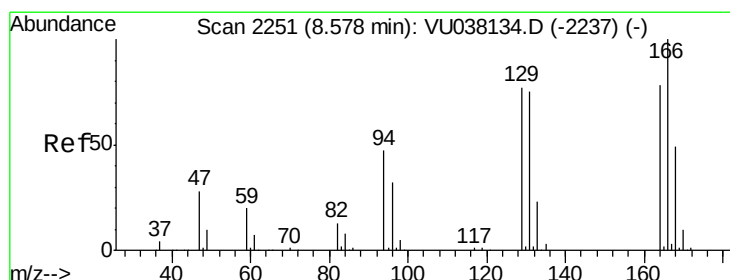
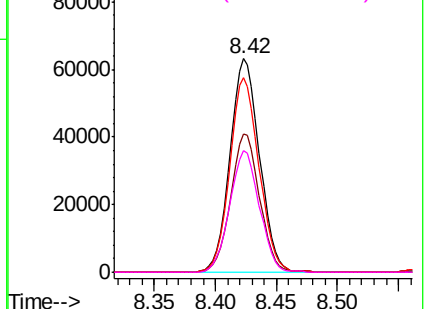
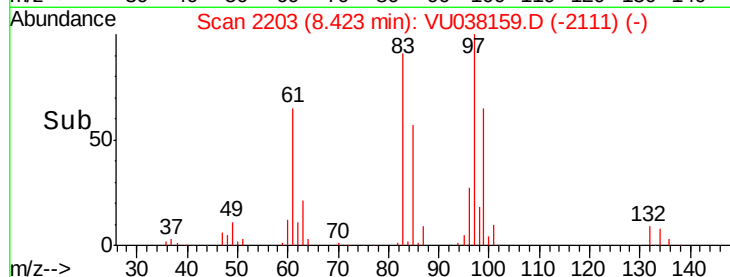
Abundance

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: 4.449 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

Tgt Ion: 164 Resp: 95152

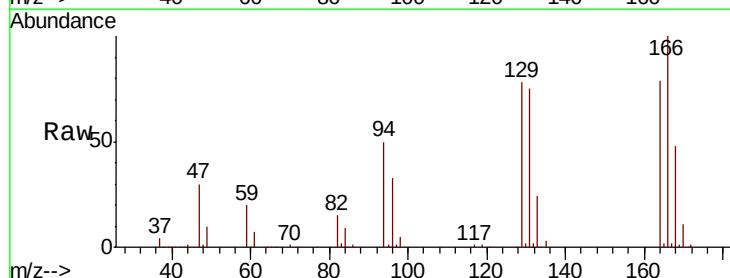
Ion Ratio Lower Upper

164 100

129 99.4 68.8 127.8

131 94.7 66.8 124.2

166 126.8 88.9 165.1



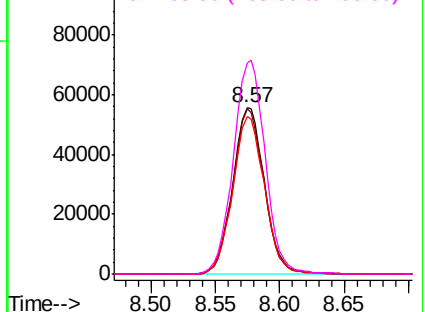
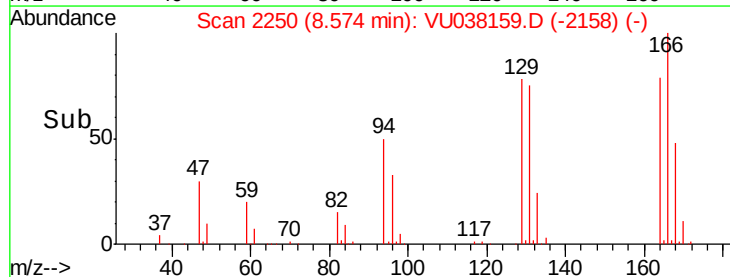
Abundance

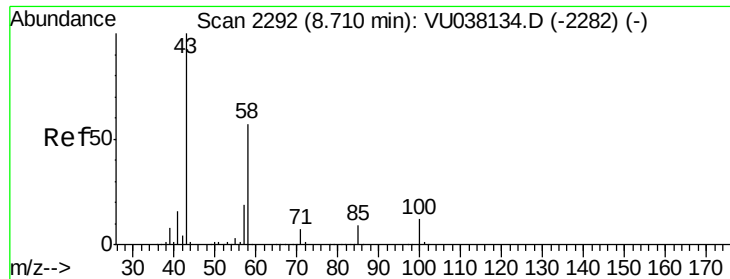
Ion 163.90 (163.60 to 164.60): V

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

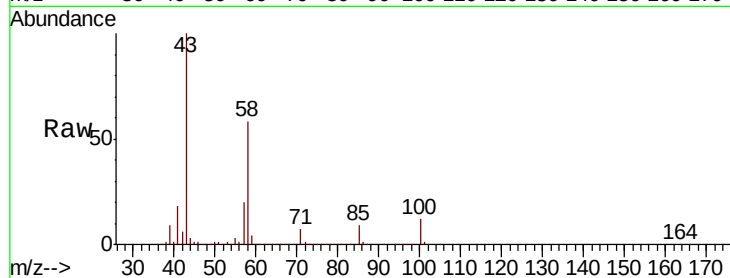




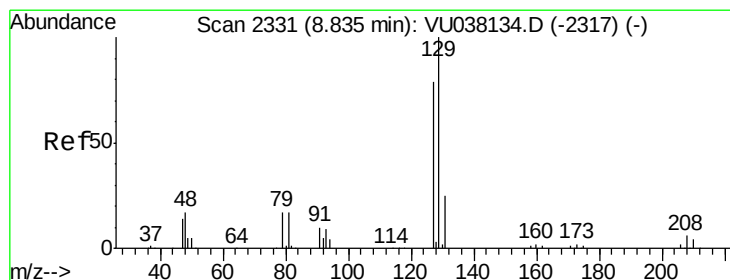
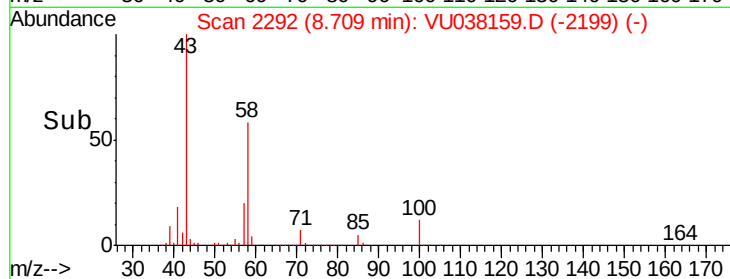
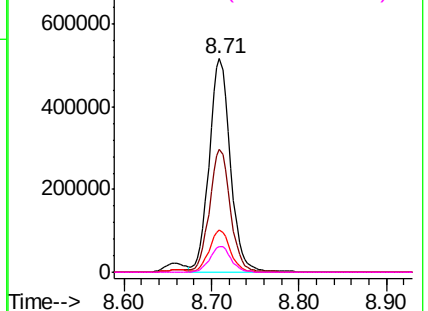
#48
2-Hexanone
Concen: 51.594 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU038159.D
Acq: 14 May 2020 10:39

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 869588
Ion Ratio Lower Upper
43 100
58 56.4 45.2 67.8
57 19.6 15.5 23.3
100 12.0 9.5 14.3

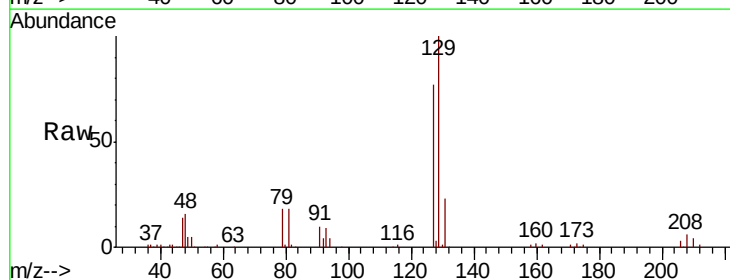


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

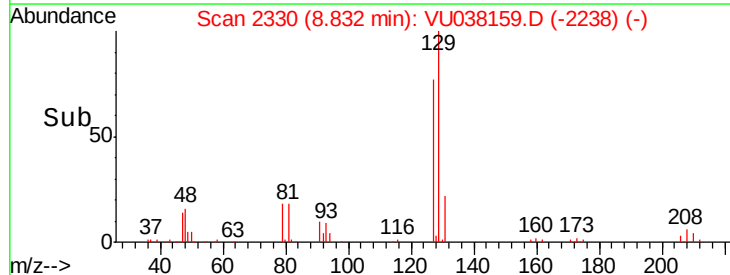
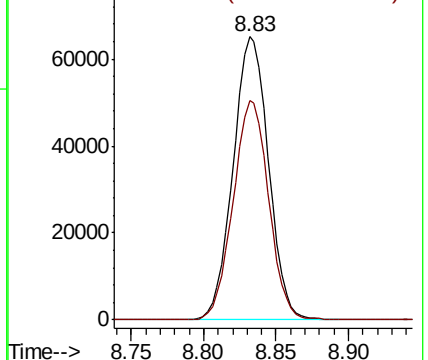


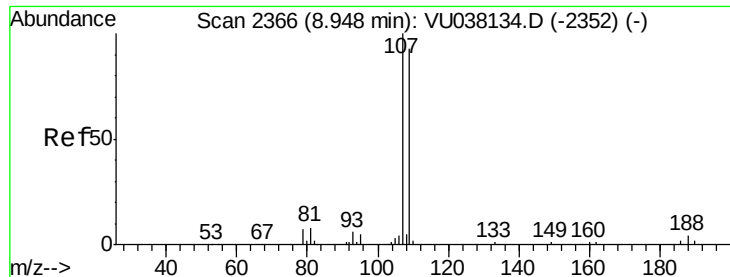
#49
Dibromochloromethane
Concen: 4.618 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038159.D
Acq: 14 May 2020 10:39

Tgt Ion: 129 Resp: 110520
Ion Ratio Lower Upper
129 100
127 77.5 55.6 103.4



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





#50

1,2-Dibromoethane

Concen: 4.724 ug/L

RT: 8.95 min Scan# 2366

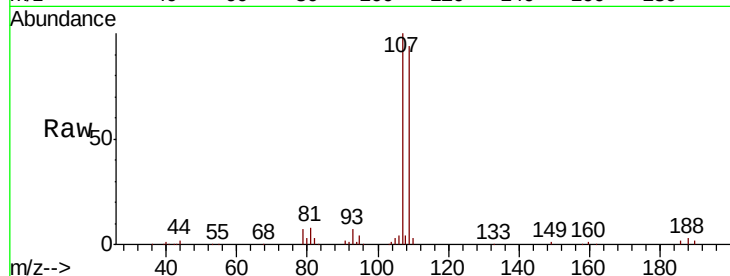
Delta R.T. -0.00 min

Lab File: VU038159.D

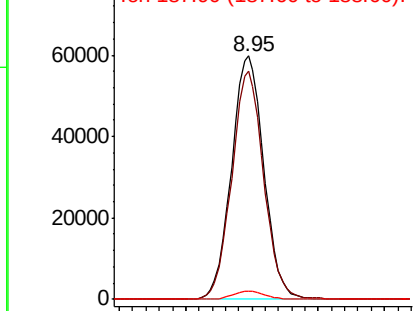
Acq: 14 May 2020 10:39

Instrument :
MSVOA_U
ClientSampleId :

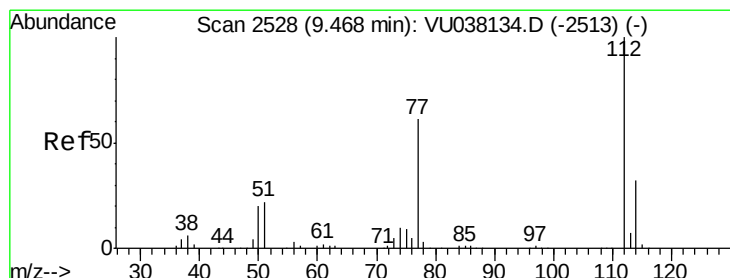
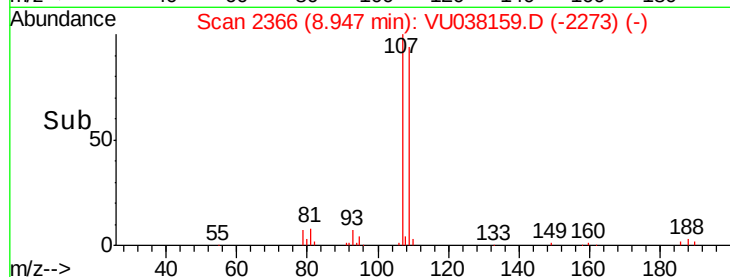
Tot Ion:	107	Resp:	101095
Ion	Ratio	Lower	Upper
107	100		
109	93.9	65.1	120.9
188	3.5	2.6	4.0



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



Time--> 8.85 8.90 8.95 9.00 9.05



#51

Chlorobenzene

Concen: 4.468 ug/L

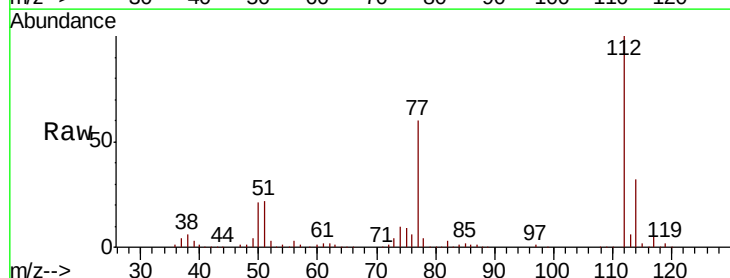
RT: 9.47 min Scan# 2528

Delta R.T. -0.00 min

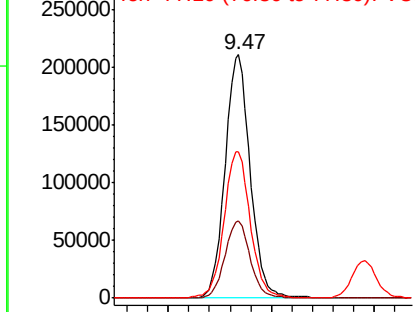
Lab File: VU038159.D

Acq: 14 May 2020 10:39

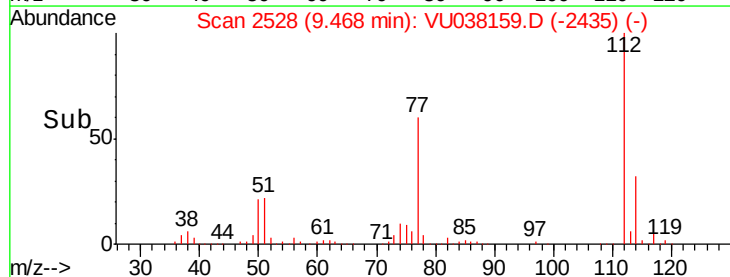
Tgt Ion:	112	Resp:	357851
Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.5	41.7
77	60.2	49.9	74.9

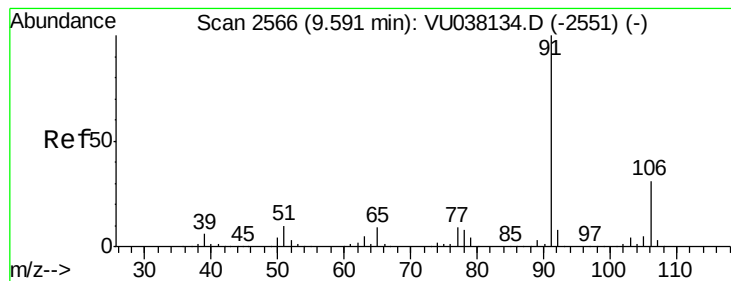


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



Time--> 9.40 9.50 9.60





#52

Ethylbenzene

Concen: 4.471 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

Instrument :

MSVOA_U

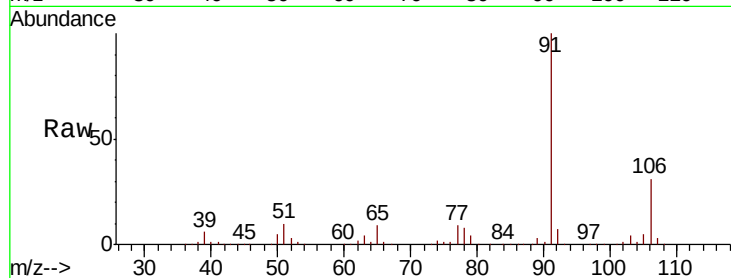
ClientSampleId :

Tot Ion: 91 Resp: 624987

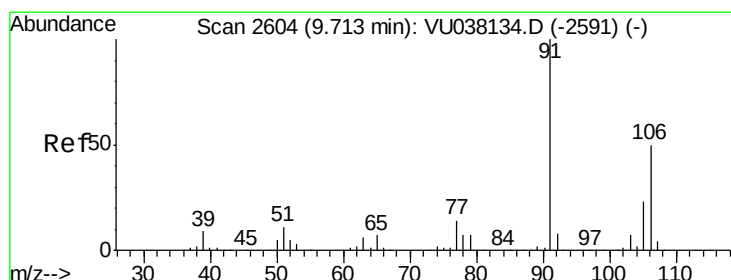
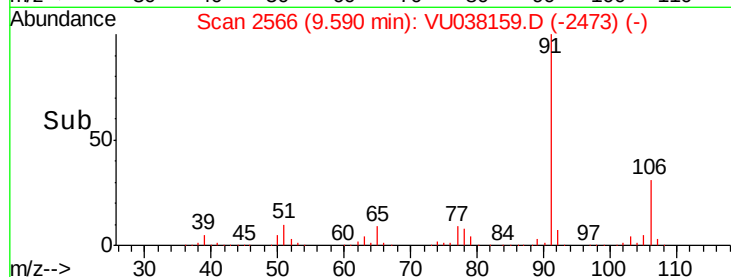
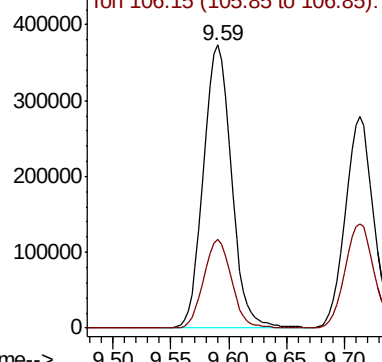
Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038134.D (-2551) (-)



#53

m,p-Xylene

Concen: 4.558 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU038159.D

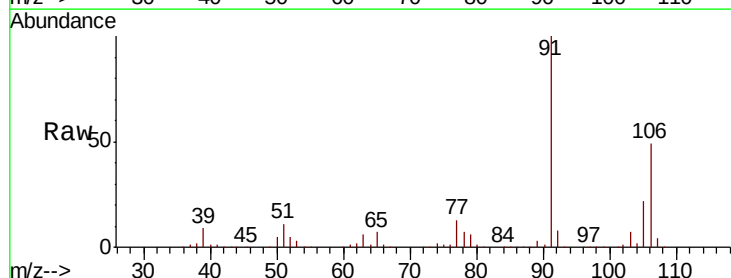
Acq: 14 May 2020 10:39

Tgt Ion: 106 Resp: 244328

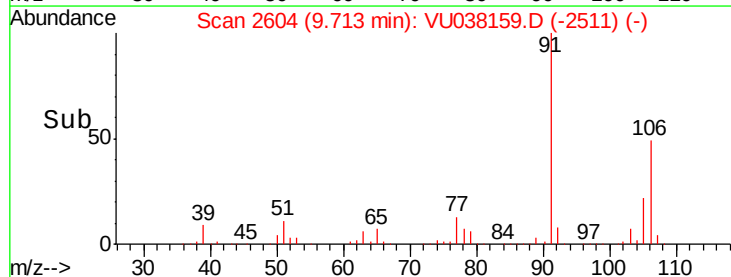
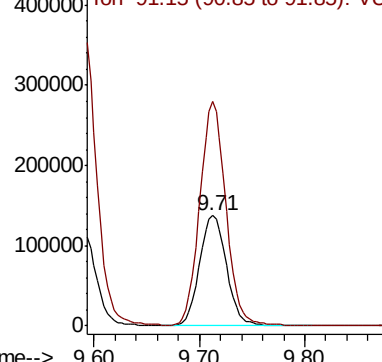
Ion Ratio Lower Upper

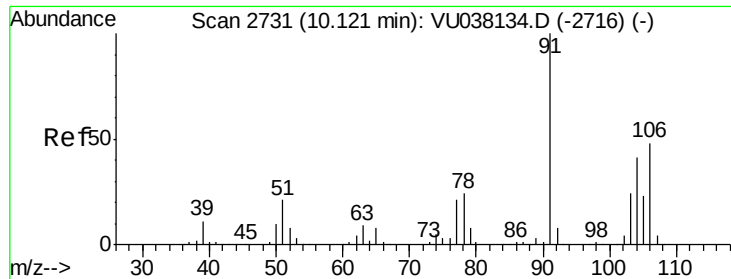
106 100

91 203.0 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038134.D (-2591) (-)

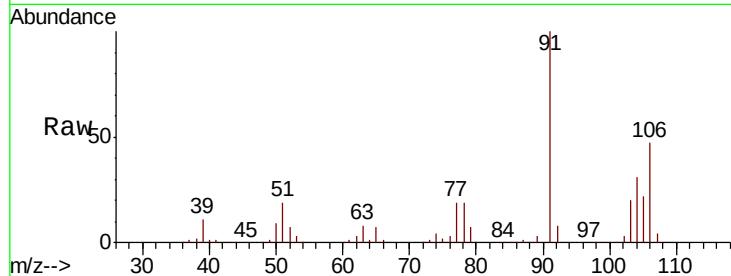




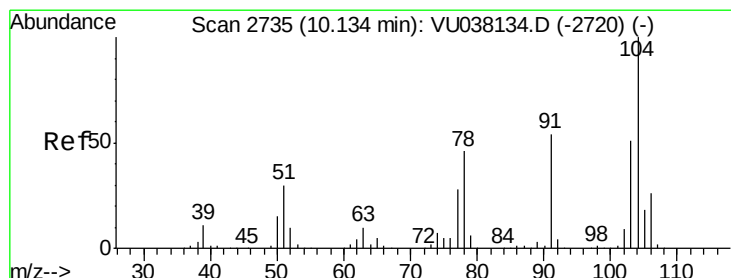
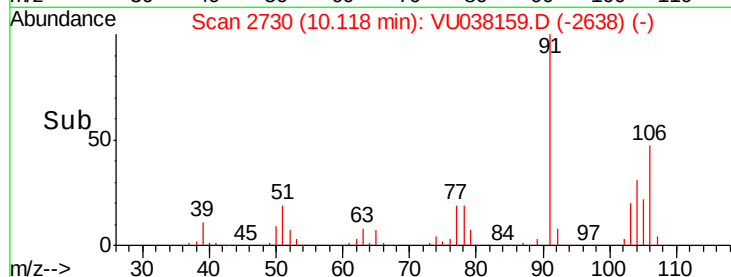
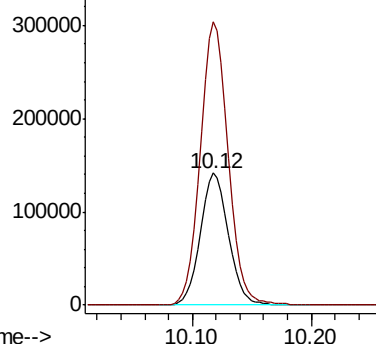
#54
o-Xylene
Concen: 4.477 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038159.D
Acq: 14 May 2020 10:39

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 232031
Ion Ratio Lower Upper
106 100
91 214.9 148.5 275.9

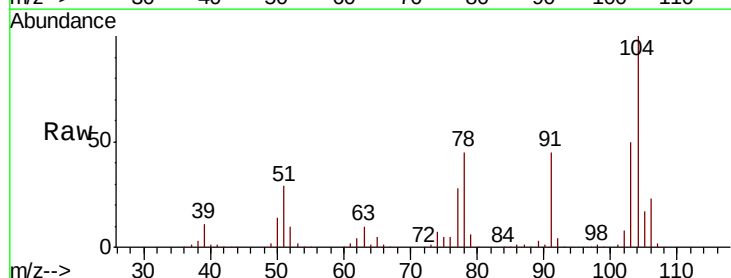


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

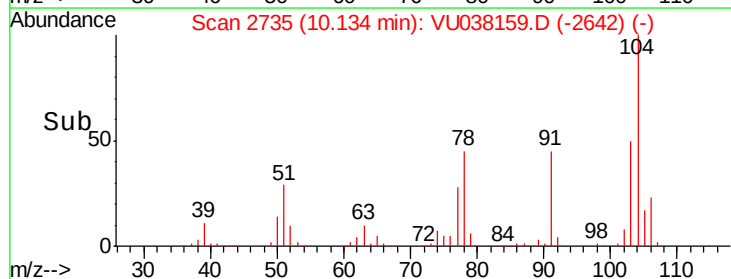
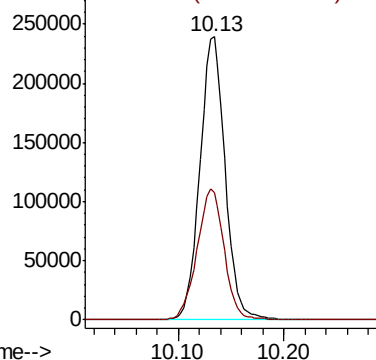


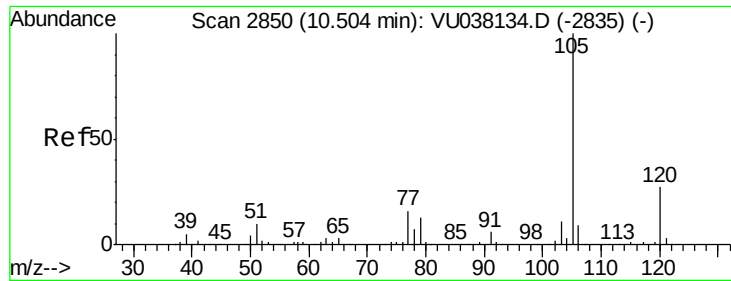
#55
Styrene
Concen: 4.540 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU038159.D
Acq: 14 May 2020 10:39

Tgt Ion:104 Resp: 394962
Ion Ratio Lower Upper
104 100
78 45.1 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: 4.591 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

Instrument :

MSVOA_U

ClientSampleId :

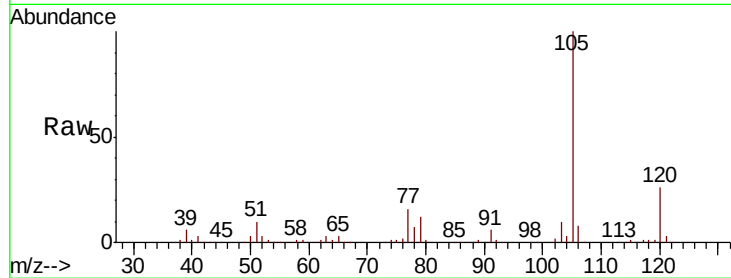
Tot Ion:105 Resp: 611120

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.6

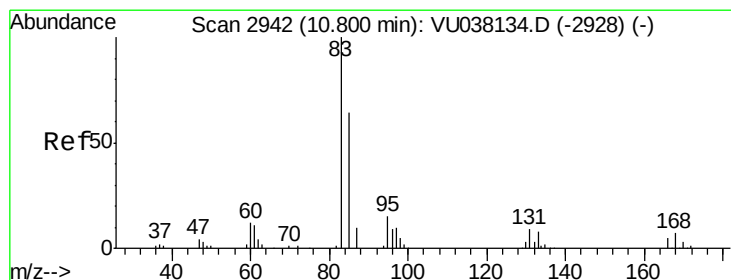
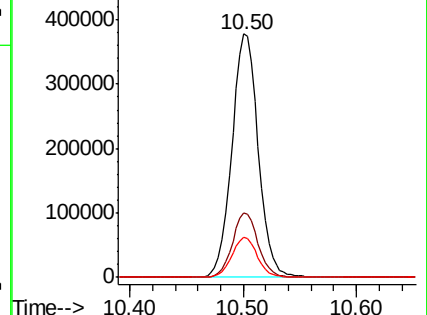
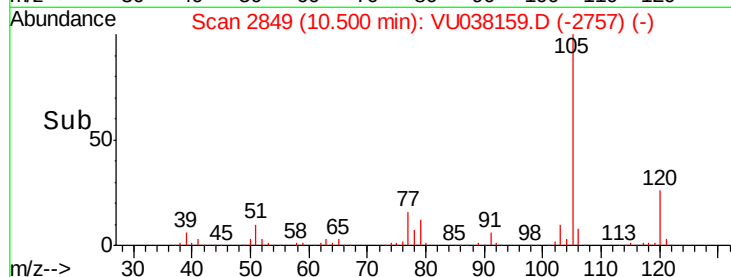
77 15.9 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.838 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

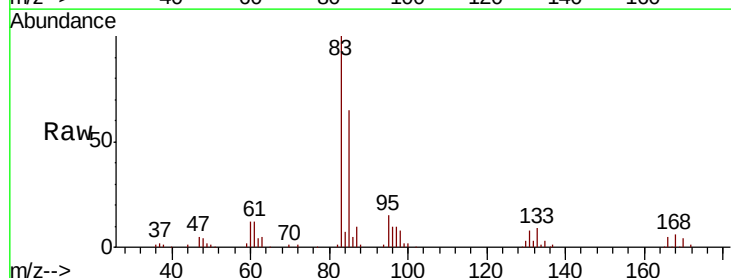
Tgt Ion: 83 Resp: 141650

Ion Ratio Lower Upper

83 100

85 64.9 47.0 87.2

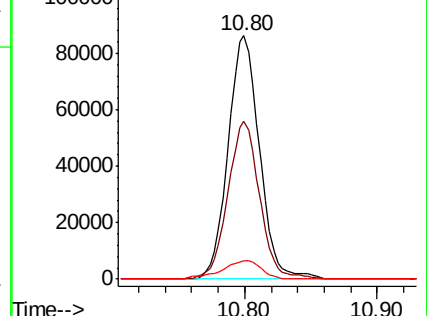
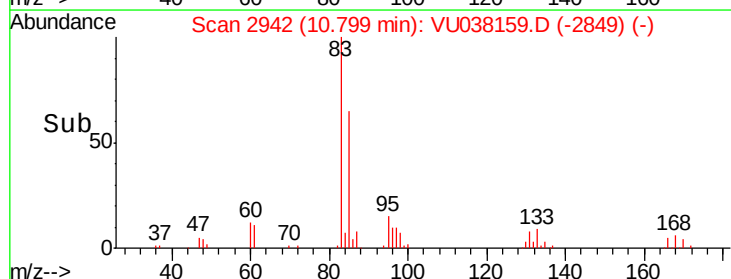
131 7.7 7.7 11.5

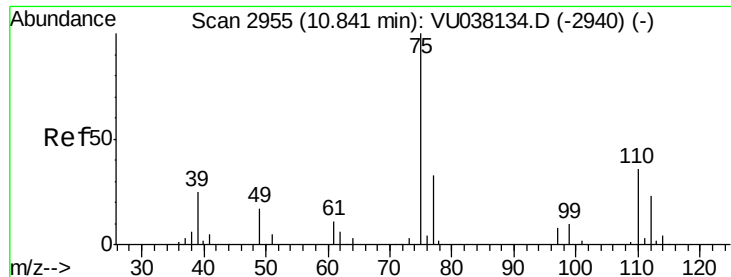


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.905 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. -0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

Instrument :

MSVOA_U

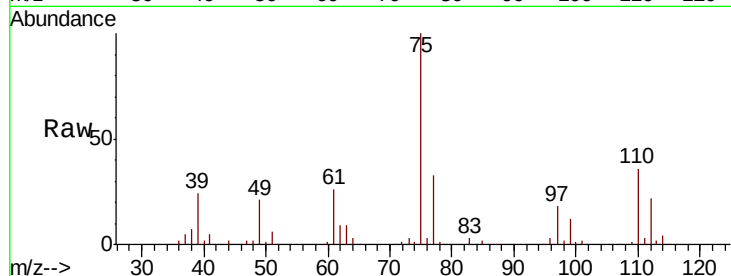
ClientSampleId :

Tot Ion: 75 Resp: 109320

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0

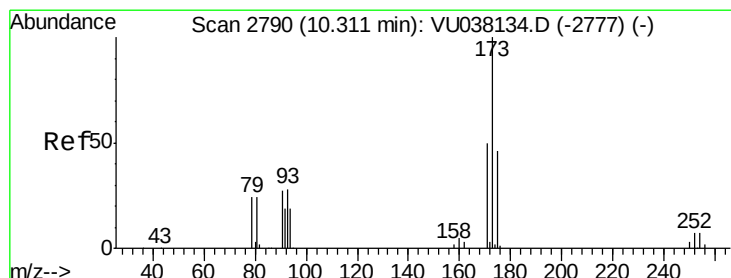
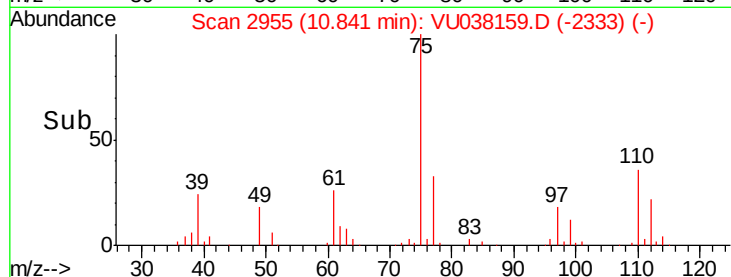


Abundance Ion 75.00 (74.70 to 75.70): VU038134.D (-2940) (-)

Ion 77.00 (76.70 to 77.70): VU038134.D (-2940) (-)

10.84

Time-->



#61

Bromoform

Concen: 4.637 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

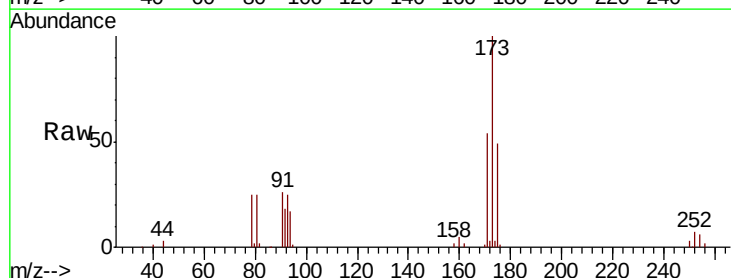
Tgt Ion: 173 Resp: 58613

Ion Ratio Lower Upper

173 100

175 48.5 39.5 59.3

254 6.2 5.0 7.4



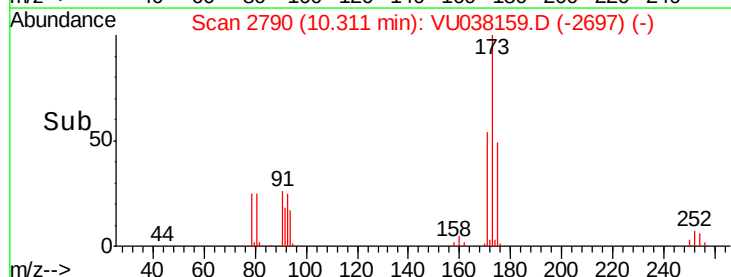
Abundance Ion 172.90 (172.60 to 173.60): VU038134.D (-2777) (-)

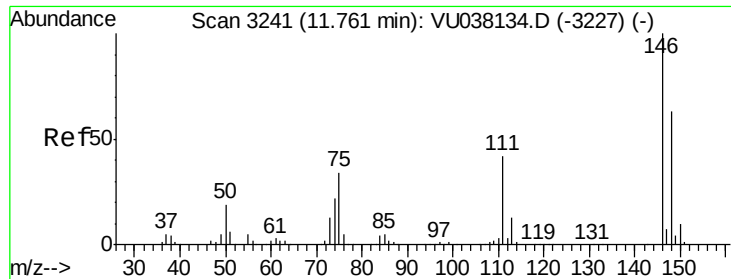
Ion 174.90 (174.60 to 175.60): VU038134.D (-2777) (-)

Ion 253.75 (253.45 to 254.45): VU038134.D (-2777) (-)

10.31

Time-->

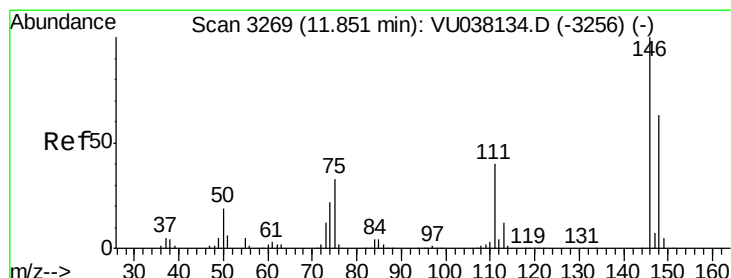
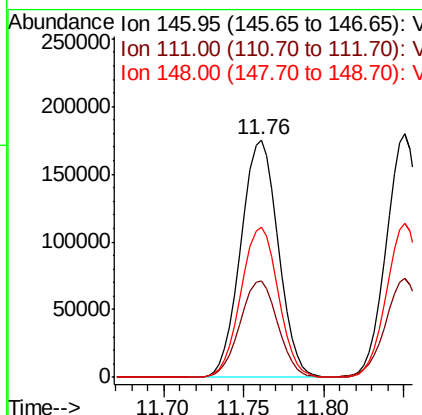
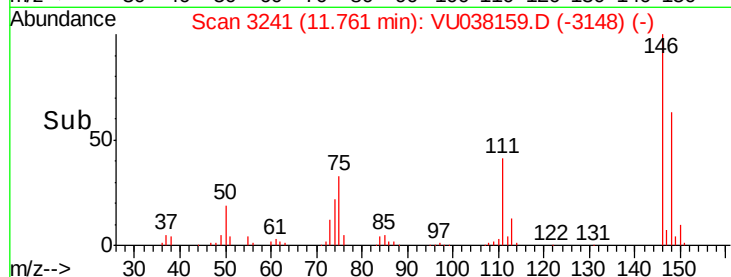
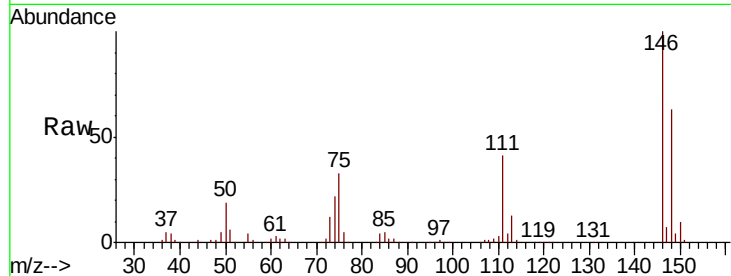




#62
 1,3-Dichlorobenzene
 Concen: 4.583 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU038159.D
 Acq: 14 May 2020 10:39

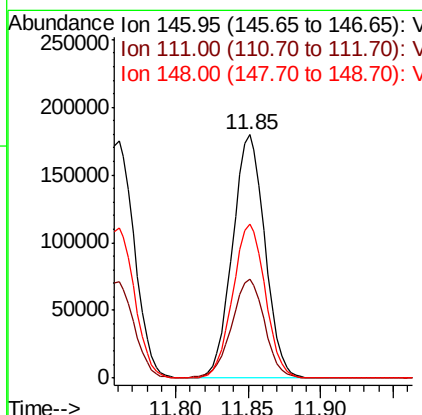
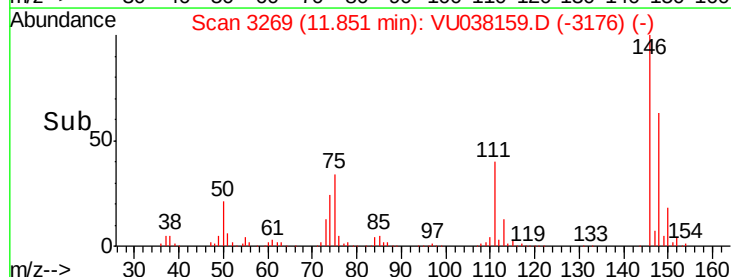
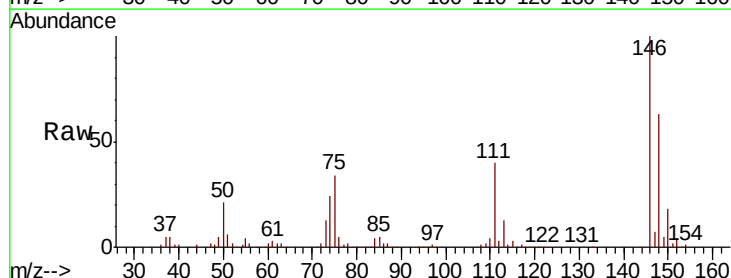
Instrument :
 MSVOA_U
 ClientSampled :

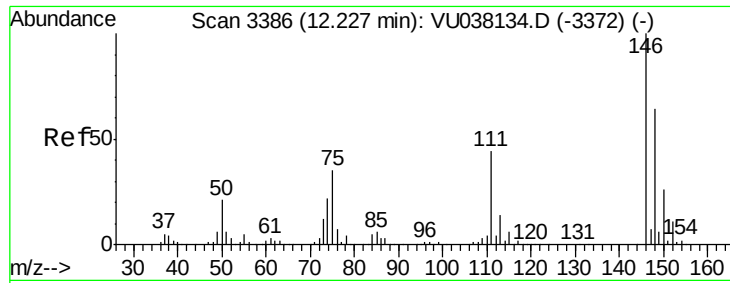
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	28.6	53.2
148	63.3	45.2	84.0



#63
 1,4-Dichlorobenzene
 Concen: 4.513 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU038159.D
 Acq: 14 May 2020 10:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	27.2	50.6
148	63.5	43.8	81.3

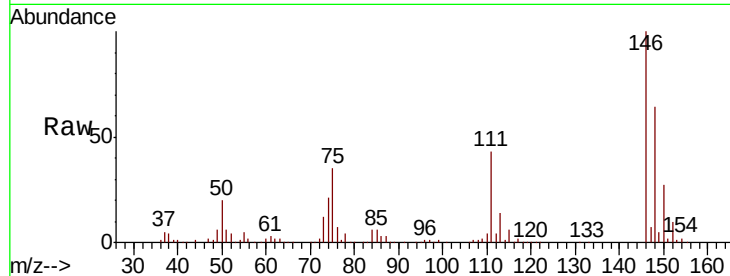




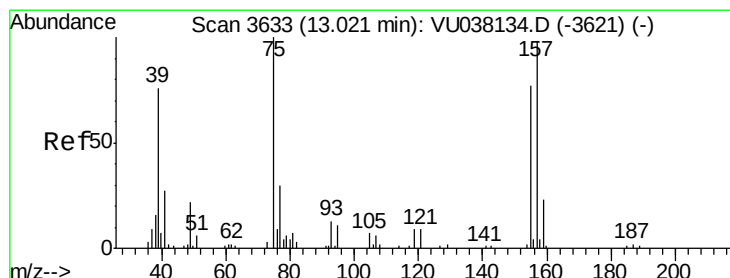
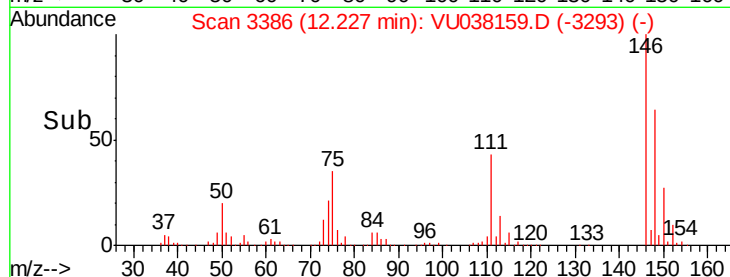
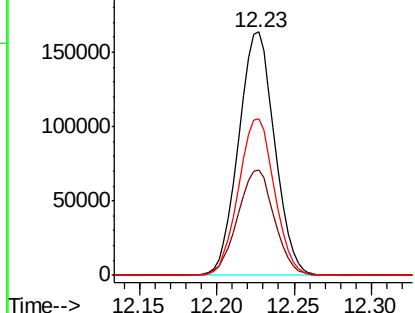
#65
 1,2-Dichlorobenzene
 Concen: 4.532 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU038159.D
 Acq: 14 May 2020 10:39

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 265293
 Ion Ratio Lower Upper
 146 100
 111 43.5 35.3 52.9
 148 64.3 51.0 76.4

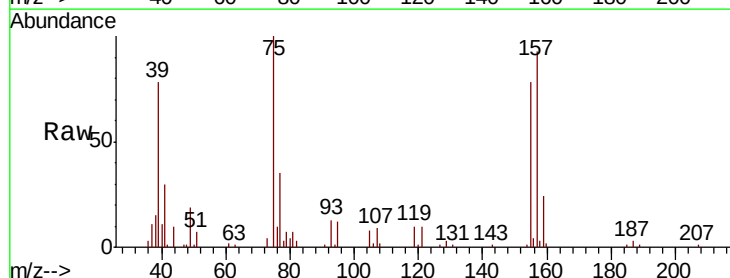


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

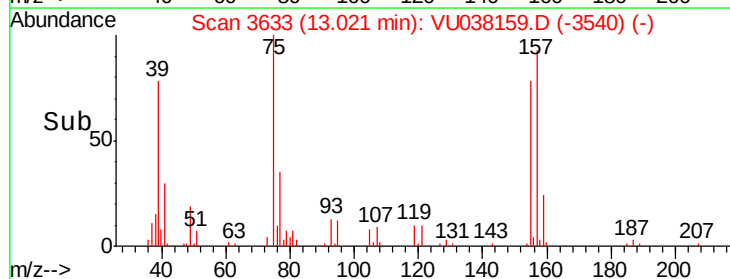
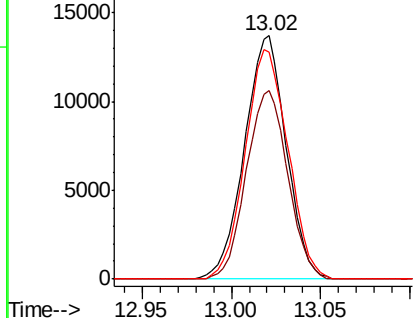


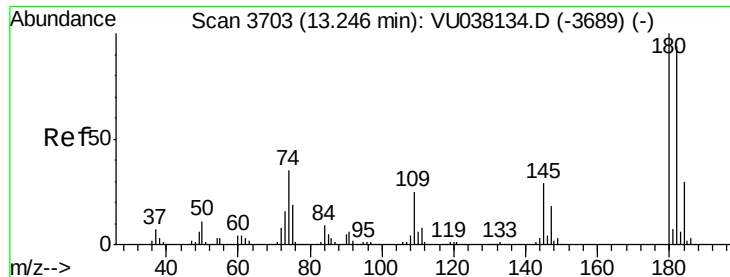
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.691 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VU038159.D
 Acq: 14 May 2020 10:39

Tgt Ion: 75 Resp: 22440
 Ion Ratio Lower Upper
 75 100
 155 77.7 58.2 87.2
 157 93.3 72.9 109.3



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

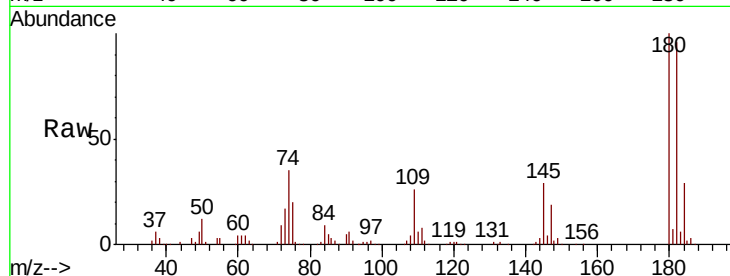




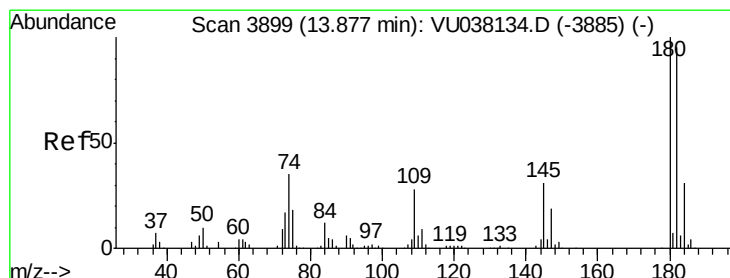
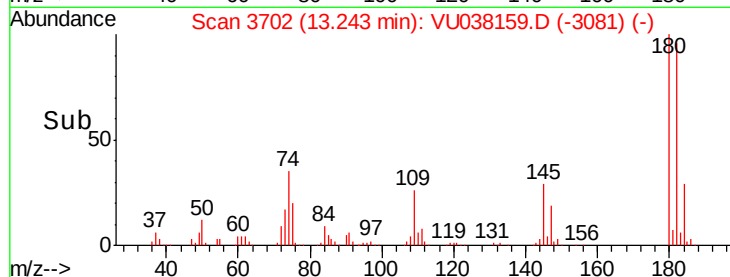
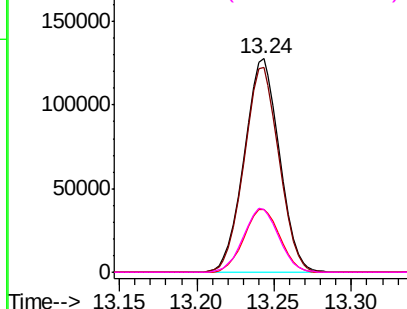
#67
 1,3,5-Trichlorobenzene
 Concen: 4.585 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU038159.D
 Acq: 14 May 2020 10:39

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	202432
Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.4	116.2
184	30.1	24.2	36.2
145	30.2	24.0	36.0

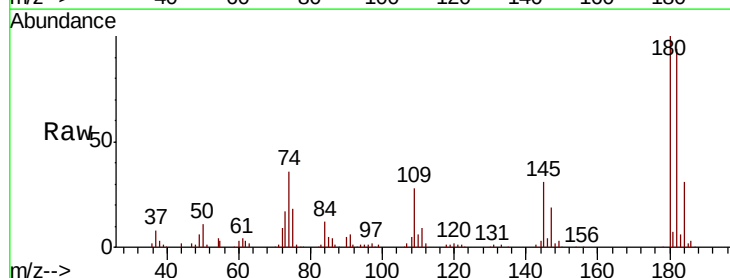


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

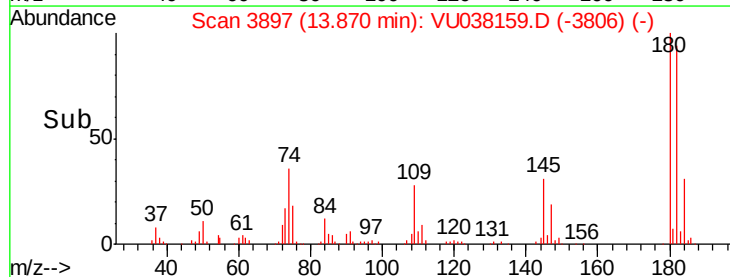
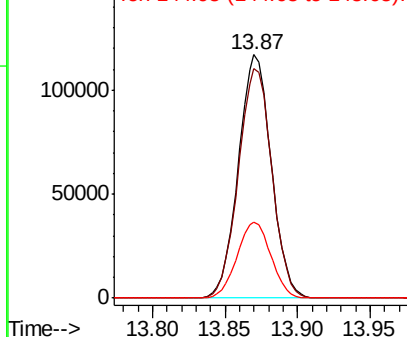


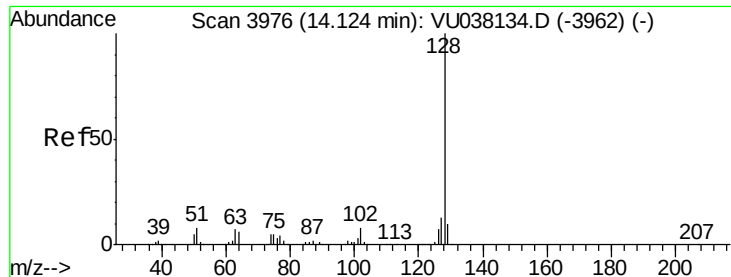
#68
 1,2,4-trichlorobenzene
 Concen: 4.608 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.01 min
 Lab File: VU038159.D
 Acq: 14 May 2020 10:39

Tgt Ion:	180	Resp:	184507
Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.0	112.6
145	32.1	24.8	37.2



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





#69

Naphthalene

Concen: 4.805 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.01 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

Instrument :

MSVOA_U

ClientSampleId :

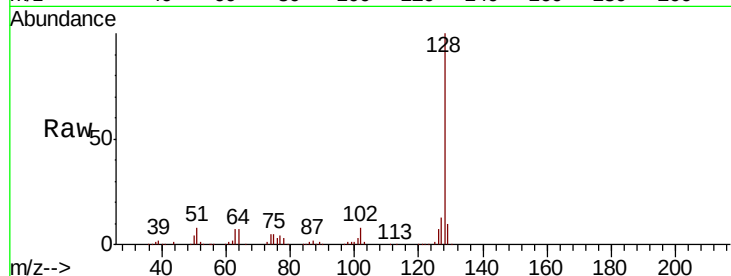
Tot Ion:128 Resp: 405078

Ion Ratio Lower Upper

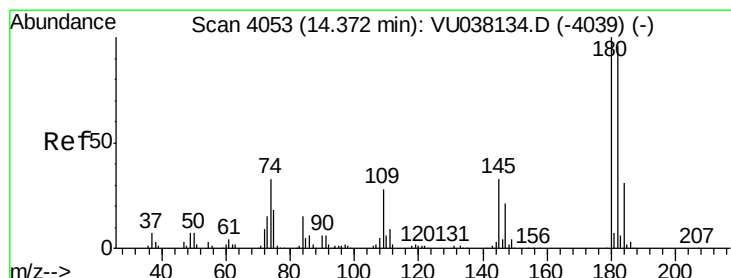
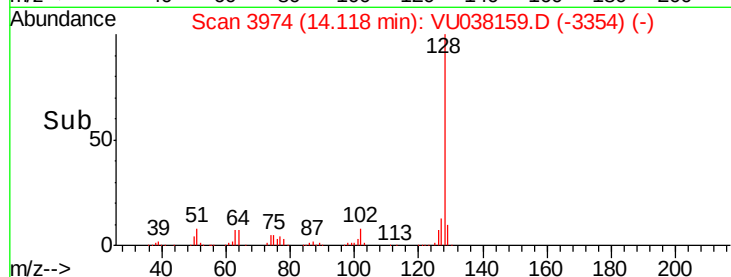
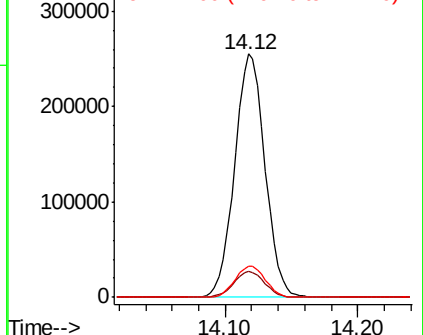
128 100

129 10.8 8.7 13.1

127 12.8 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.676 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. -0.01 min

Lab File: VU038159.D

Acq: 14 May 2020 10:39

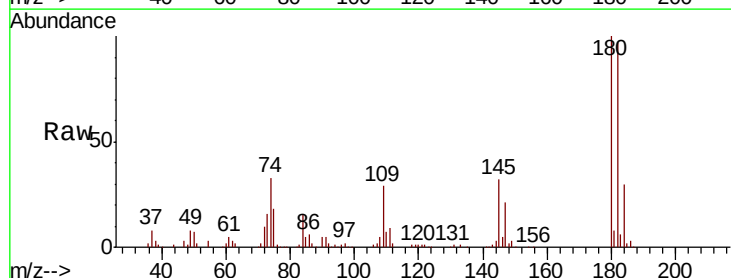
Tgt Ion:180 Resp: 174024

Ion Ratio Lower Upper

180 100

182 95.8 76.3 114.5

145 33.0 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

