

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072420\
 Data File : VU039656.D
 Acq On : 24 Jul 2020 11:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 25 06:43:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 24 03:50:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	225976	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	222676	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	123519	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	75196	51.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.22%
7) Chloroethane-d5	1.92	69	82954	47.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.10%
11) 1,1-Dichloroethene-d2	2.58	63	160451	51.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.04%
21) 2-Butanone-d5	4.65	46	170369	100.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.31%
24) Chloroform-d	5.08	84	170426	51.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.02%
26) 1,2-Dichloroethane-d4	5.72	65	115601	48.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.78%
32) Benzene-d6	5.74	84	321612	52.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.04%
36) 1,2-Dichloropropane-d6	6.70	67	103658	51.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.26%
41) Toluene-d8	7.91	98	306504	52.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.36%
43) trans-1,3-Dichloropropene-	8.19	79	52618	51.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.82%
47) 2-Hexanone-d5	8.64	63	115640	104.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.55%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	164381	51.19	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.38%
64) 1,2-Dichlorobenzene-d4	12.19	152	137516	50.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.82%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	80721	52.444	ug/L 99
3) Chloromethane	1.53	50	76648	47.923	ug/L 98
5) Vinyl chloride	1.61	62	81326	50.044	ug/L 99
6) Bromomethane	1.87	94	60770	49.767	ug/L 99
8) Chloroethane	1.94	64	67676	46.828	ug/L 100
9) Trichlorofluoromethane	2.15	101	151408	52.721	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	73050	52.846	ug/L 99
12) 1,1-Dichloroethene	2.59	96	67347	52.243	ug/L 94
13) Acetone	2.65	43	138469	122.511	ug/L 100
14) Carbon disulfide	2.81	76	210705	51.082	ug/L 99
15) Methyl Acetate	2.96	43	100493	49.630	ug/L 100
16) Methylene chloride	3.06	84	78298	50.717	ug/L 93
17) trans-1,2-Dichloroethene	3.37	96	72373	50.453	ug/L 94
18) Methyl tert-butyl Ether	3.38	73	239980	51.771	ug/L 99
19) 1,1-Dichloroethane	3.89	63	141689	50.615	ug/L 94
20) cis-1,2-Dichloroethene	4.68	96	82469	50.306	ug/L 96
22) 2-Butanone	4.73	43	174175	109.347	ug/L 99

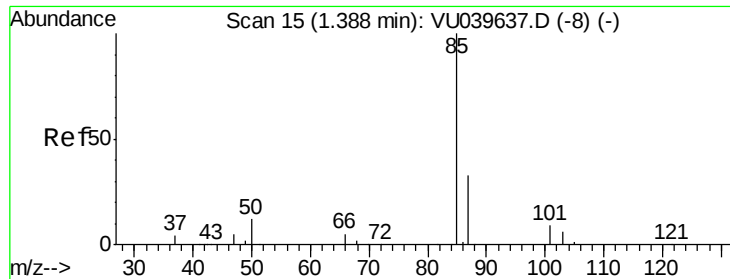
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072420\
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 Quant Title : VOC Analysis
 QLast Update : Fri Jul 24 03:50:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	42061	51.052	ug/L	98
25) Chloroform	5.11	83	149541	48.161	ug/L	99
27) 1,2-Dichloroethane	5.81	62	124790	48.468	ug/L	98
29) Cyclohexane	5.40	56	128945	53.301	ug/L	99
30) 1,1,1-Trichloroethane	5.33	97	133575	50.107	ug/L	98
31) Carbon tetrachloride	5.54	117	118900	53.770	ug/L	98
33) Benzene	5.79	78	312913	50.987	ug/L	100
34) Trichloroethene	6.56	95	87626	53.981	ug/L	97
35) Methylcyclohexane	6.77	83	134275	53.498	ug/L	99
37) 1,2-Dichloropropane	6.80	63	83475	50.240	ug/L	100
38) Bromodichloromethane	7.12	83	115726	52.445	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	128458	51.733	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	294602	101.775	ug/L	100
42) Toluene	7.98	91	349821	51.833	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	131548	54.097	ug/L	99
45) 1,1,2-Trichloroethane	8.41	97	80021	50.503	ug/L	99
46) Tetrachloroethene	8.56	164	63463	51.687	ug/L	98
48) 2-Hexanone	8.69	43	257891	109.340	ug/L	100
49) Dibromochloromethane	8.82	129	92663	51.795	ug/L	99
50) 1,2-Dibromoethane	8.93	107	91128	51.695	ug/L	100
51) Chlorobenzene	9.45	112	224452	52.120	ug/L	98
52) Ethylbenzene	9.57	91	398704	53.459	ug/L	99
53) m,p-Xylene	9.70	106	152480	54.238	ug/L	94
54) o-xylene	10.10	106	146988	54.482	ug/L	98
55) Styrene	10.11	104	260860	55.874	ug/L	98
56) Isopropylbenzene	10.48	105	404391	55.213	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	146535	50.739	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	122088	50.640	ug/L	99
61) Bromoform	10.29	173	74020	50.661	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	196335	51.890	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	199797	52.710	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	199161	52.090	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	38325	50.108	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	148951	54.588	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	130369	56.300	ug/L	97
69) Naphthalene	14.08	128	404432	58.220	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	128676	55.007	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 52.444 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

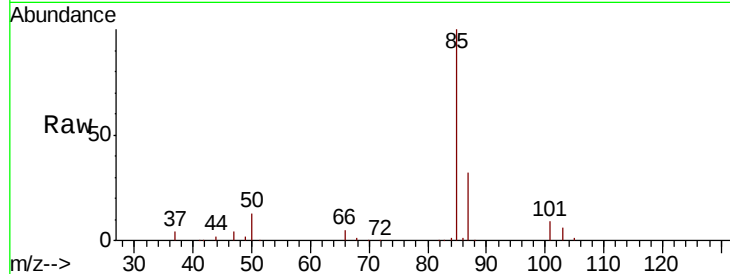
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 80721

Ion Ratio Lower Upper

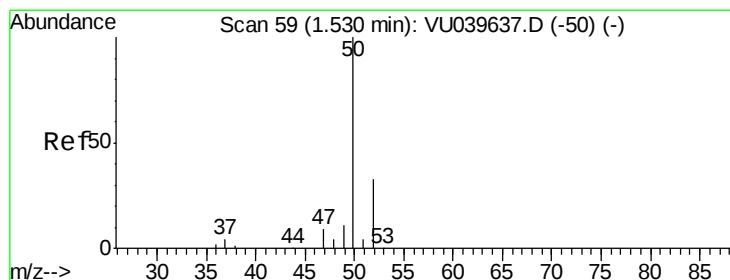
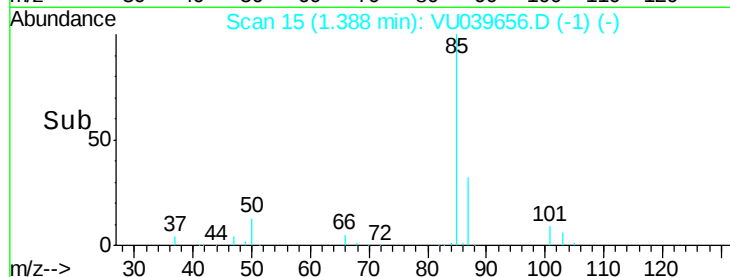
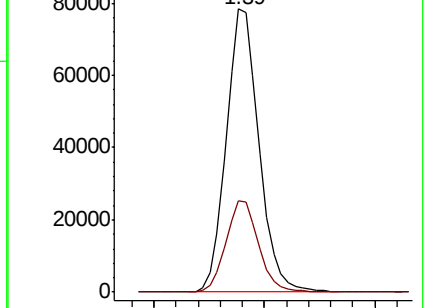
85 100

87 32.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU039637.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039637.D (-8) (-)



#3

Chloromethane

Concen: 47.923 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039656.D

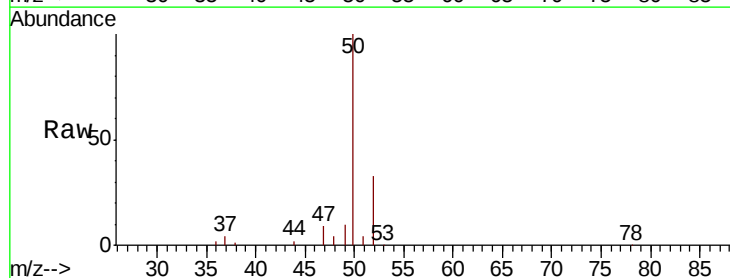
Acq: 24 Jul 2020 11:53

Tgt Ion: 50 Resp: 76648

Ion Ratio Lower Upper

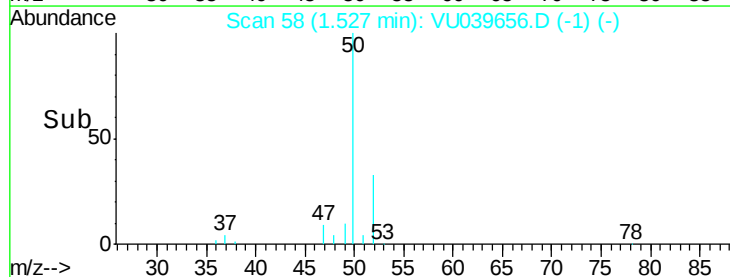
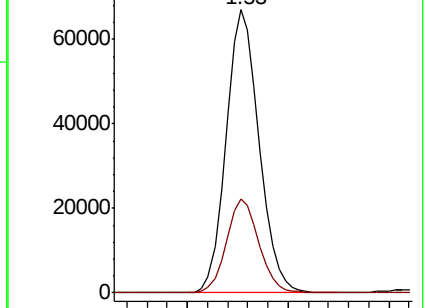
50 100

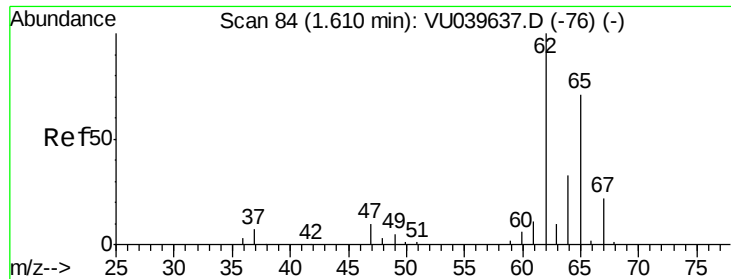
52 33.1 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VU039637.D (-50) (-)

Ion 52.00 (51.70 to 52.70): VU039637.D (-50) (-)





#5

Vinyl chloride

Concen: 50.044 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

Instrument :

MSVOA_U

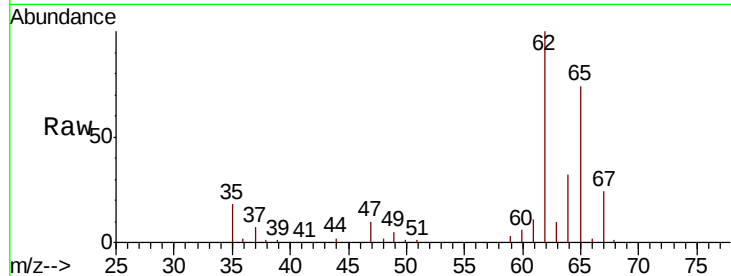
ClientSampleId :

Tot Ion: 62 Resp: 81326

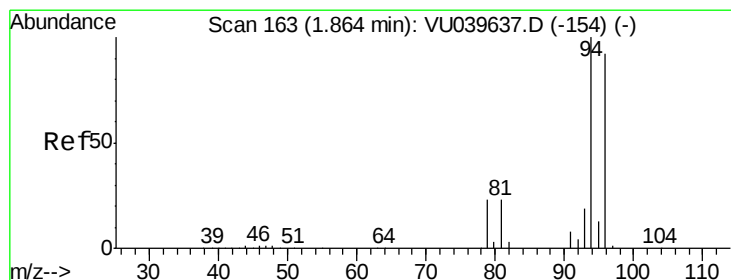
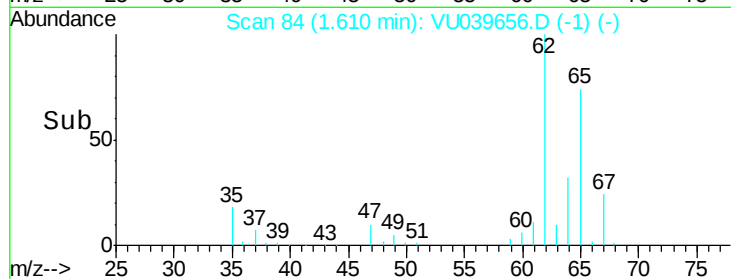
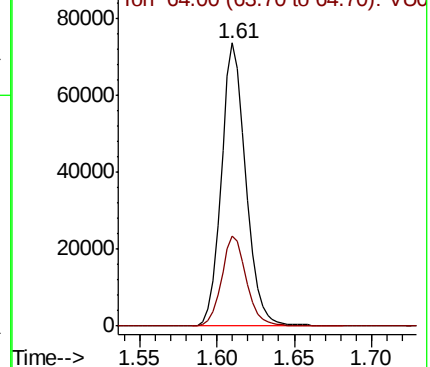
Ion Ratio Lower Upper

62 100

64 31.8 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU039637.D (-76) (-)



#6

Bromomethane

Concen: 49.767 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039656.D

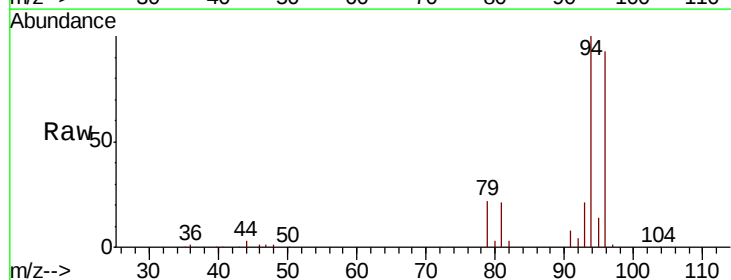
Acq: 24 Jul 2020 11:53

Tgt Ion: 94 Resp: 60770

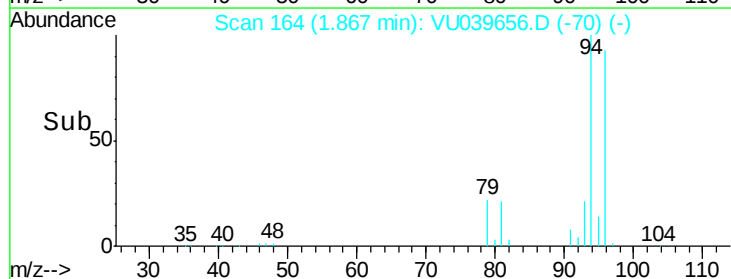
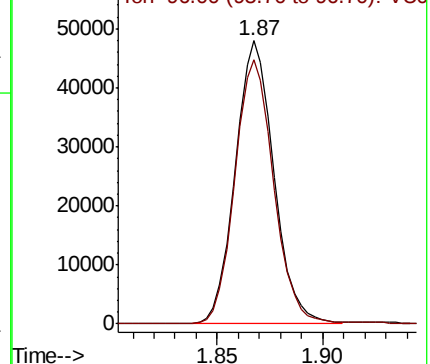
Ion Ratio Lower Upper

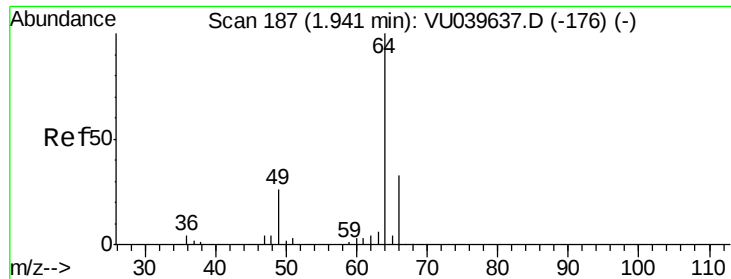
94 100

96 93.4 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VU039637.D (-154) (-)

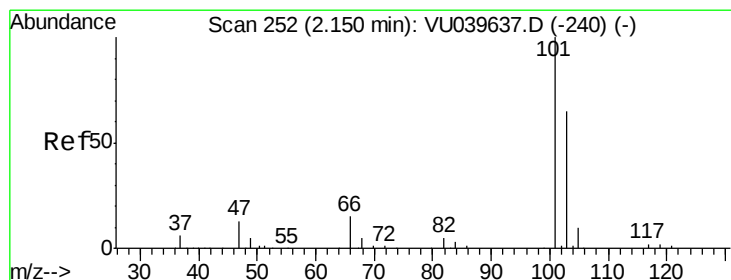
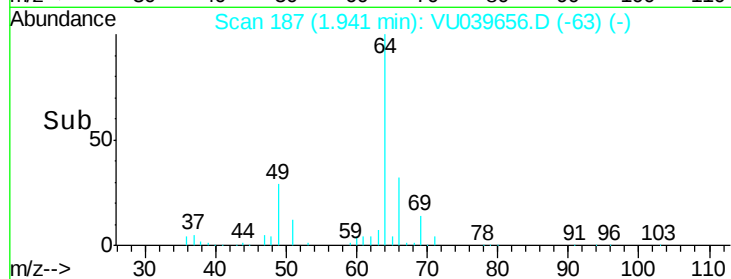
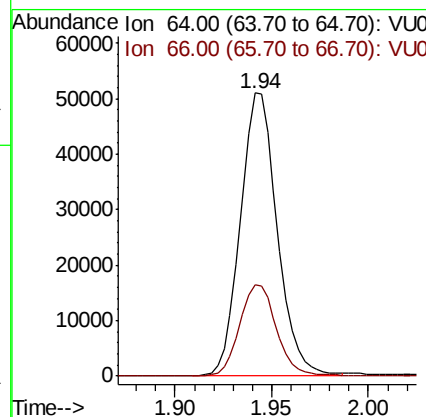
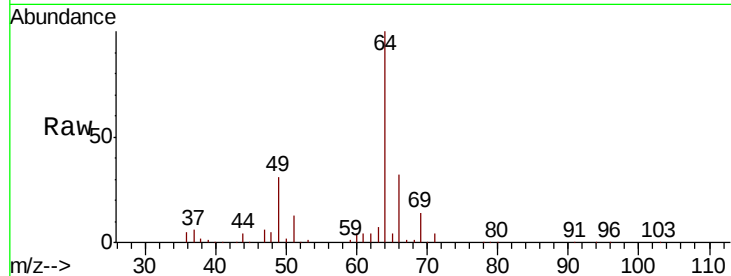




#8
Chloroethane
Concen: 46.828 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU039656.D
Acq: 24 Jul 2020 11:53

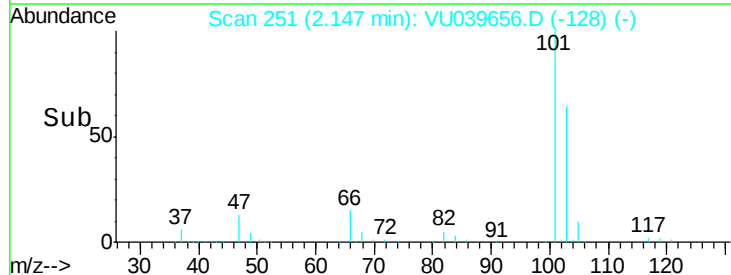
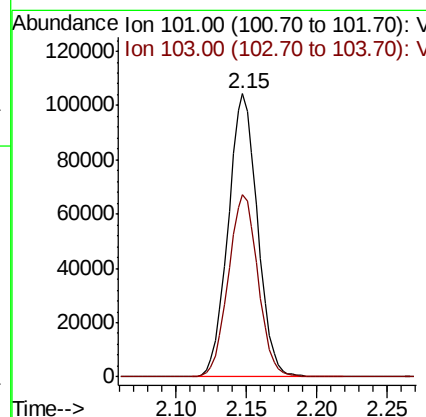
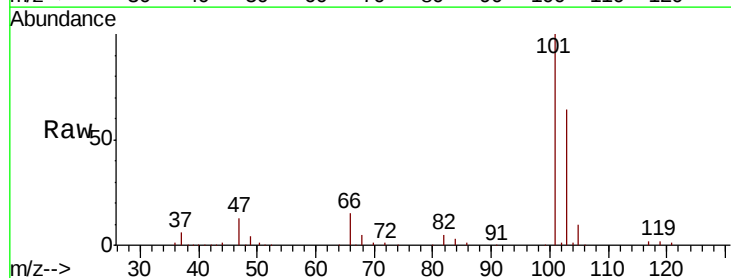
Instrument :
MSVOA_U
ClientSampleId :

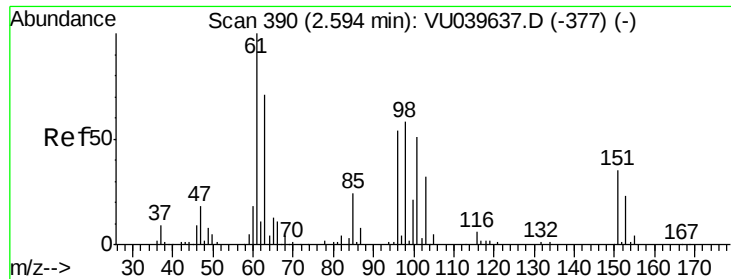
Tot Ion: 64 Resp: 67676
Ion Ratio Lower Upper
64 100
66 32.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 52.721 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU039656.D
Acq: 24 Jul 2020 11:53

Tgt Ion:101 Resp: 151408
Ion Ratio Lower Upper
101 100
103 65.0 52.8 79.2





#10

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

Concen: 52.846 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

Instrument :

MSVOA_U

ClientSampled :

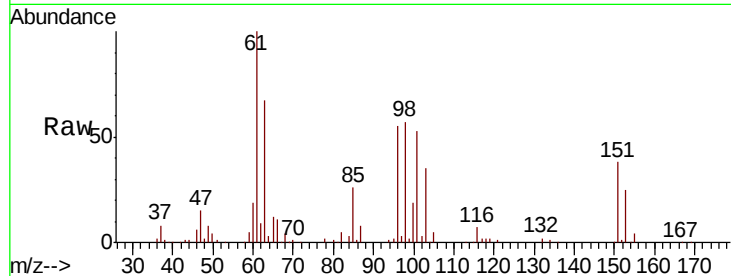
Tot Ion:101 Resp: 73050

Ion Ratio Lower Upper

101 100

85 48.3 39.7 59.5

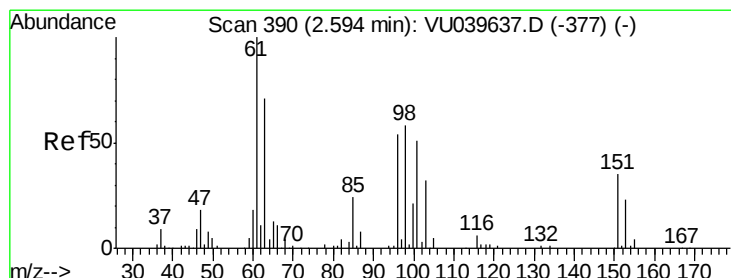
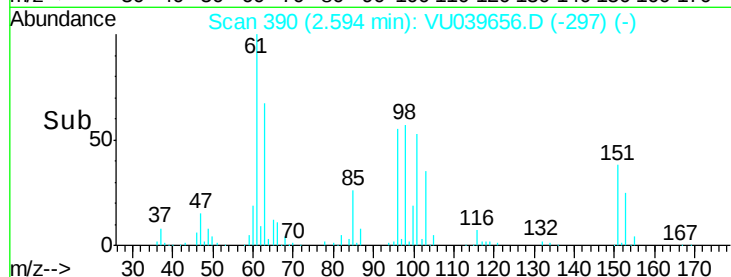
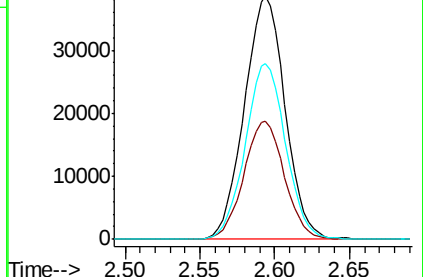
151 71.8 57.4 86.2



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: 52.243 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

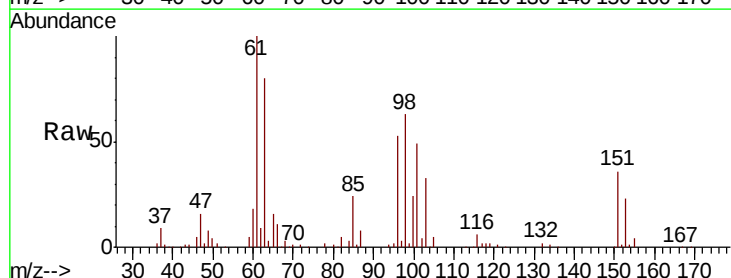
Tgt Ion: 96 Resp: 67347

Ion Ratio Lower Upper

96 100

61 188.7 136.6 253.6

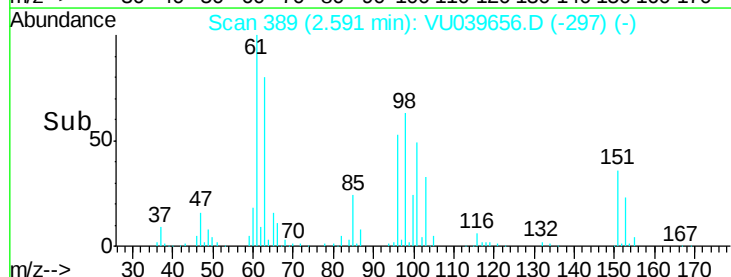
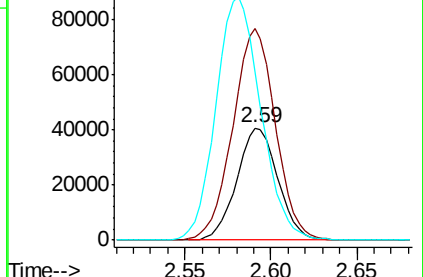
63 150.3 97.2 180.6

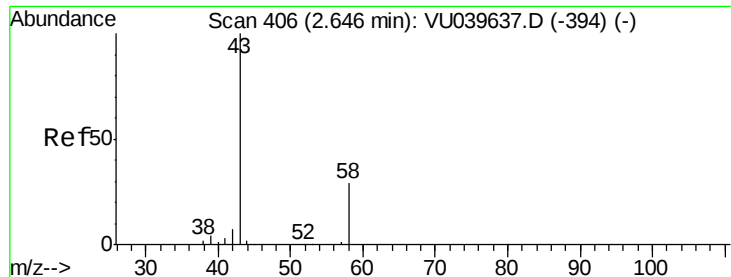


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 122.511 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.01 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

Instrument :

MSVOA_U

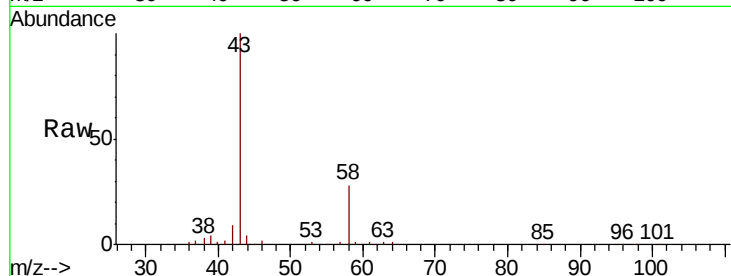
ClientSampled :

Tot Ion: 43 Resp: 138469

Ion Ratio Lower Upper

43 100

58 29.5 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU039637.D (-394) (-)

Ion 58.00 (57.70 to 58.70): VU039637.D (-394) (-)

2.65

60000

50000

40000

30000

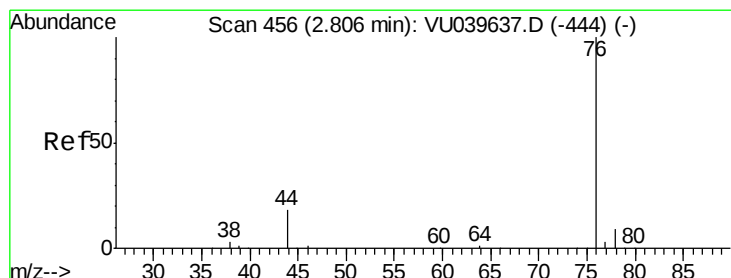
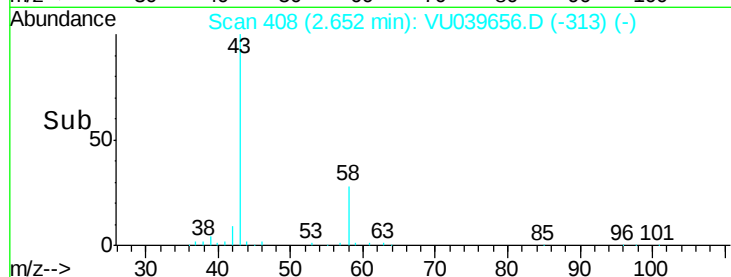
20000

10000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 51.082 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039656.D

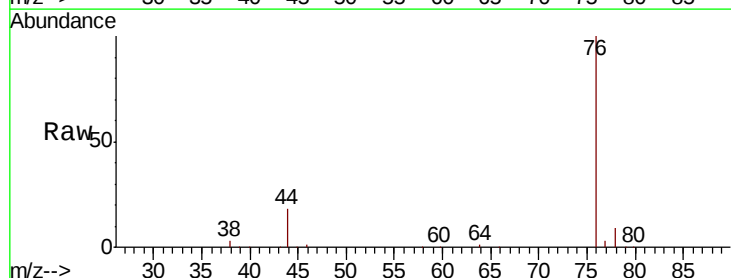
Acq: 24 Jul 2020 11:53

Tgt Ion: 76 Resp: 210705

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU039637.D (-444) (-)

Ion 78.00 (77.70 to 78.70): VU039637.D (-444) (-)

2.81

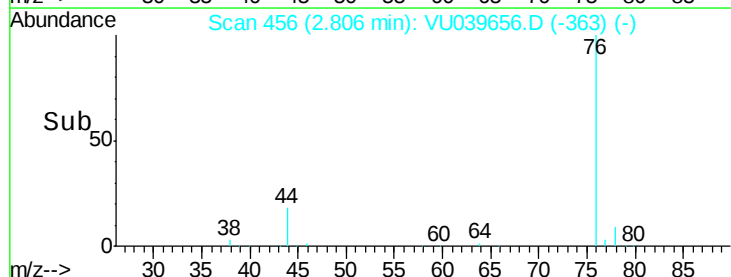
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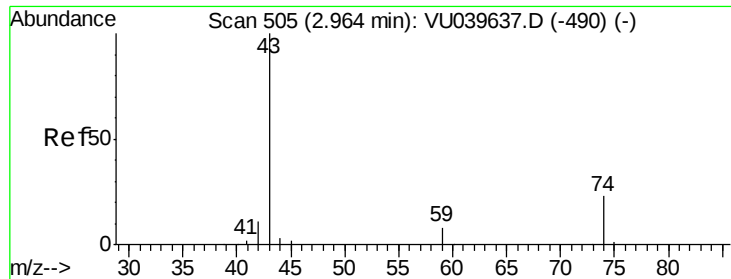
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Time-->

2.75 2.80 2.85 2.90

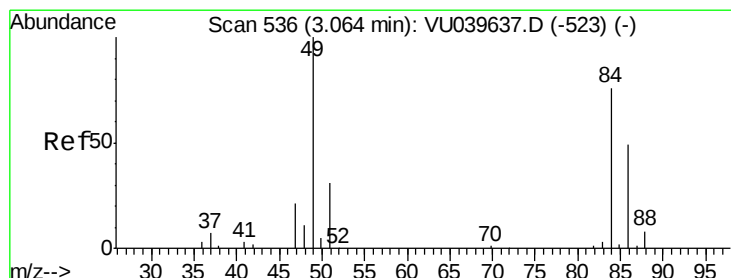
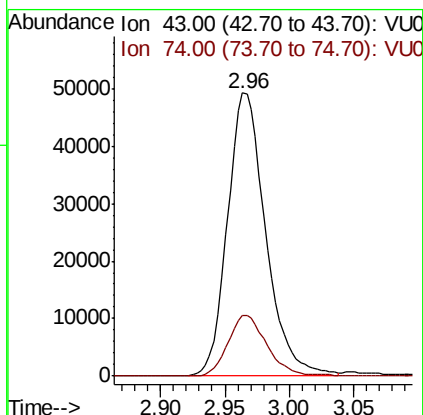
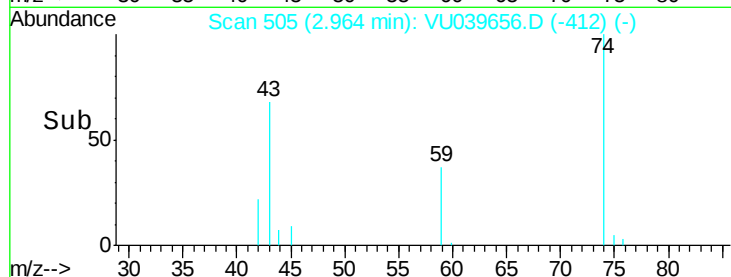
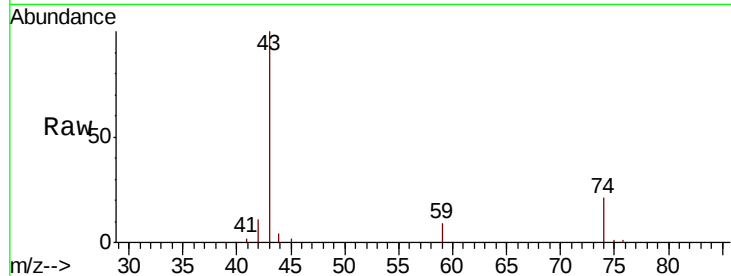




#15
Methyl Acetate
Concen: 49.630 ug/L
RT: 2.96 min Scan# 505
Delta R.T. -0.00 min
Lab File: VU039656.D
Acq: 24 Jul 2020 11:53

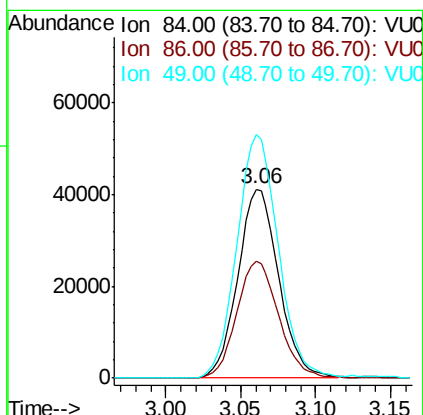
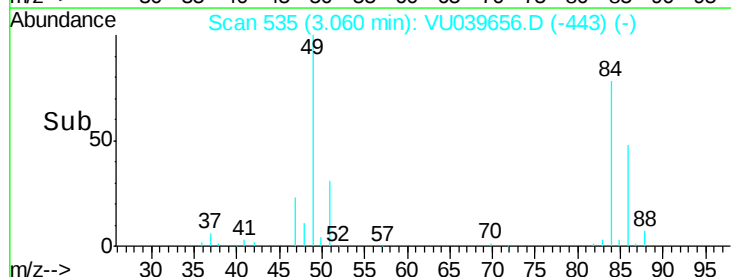
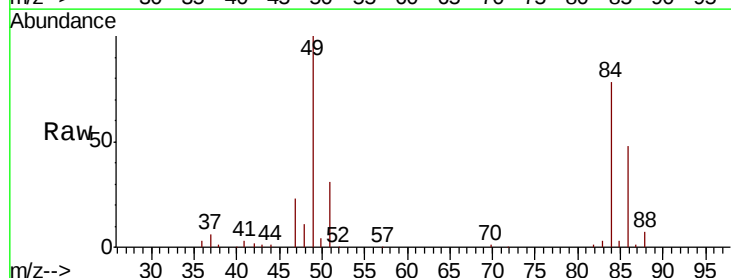
Instrument :
MSVOA_U
ClientSampleId :

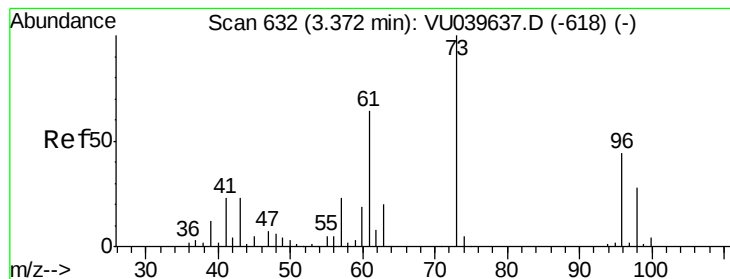
Tot Ion: 43 Resp: 100493
Ion Ratio Lower Upper
43 100
74 21.8 17.4 26.0



#16
Methylene chloride
Concen: 50.717 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039656.D
Acq: 24 Jul 2020 11:53

Tgt Ion: 84 Resp: 78298
Ion Ratio Lower Upper
84 100
86 61.7 46.2 85.8
49 128.9 97.3 180.7





#17

trans-1,2-Dichloroethene

Concen: 50.453 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

Instrument :
MSVOA_U
ClientSampleId :

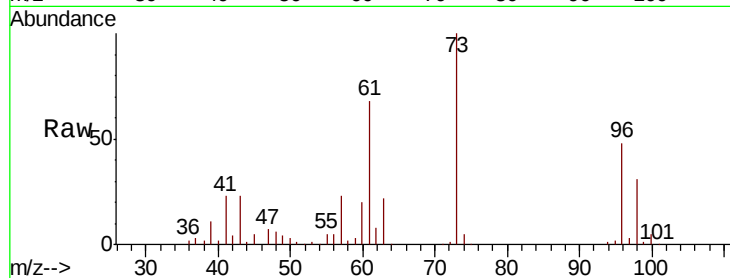
Tot Ion: 96 Resp: 72373

Ion Ratio Lower Upper

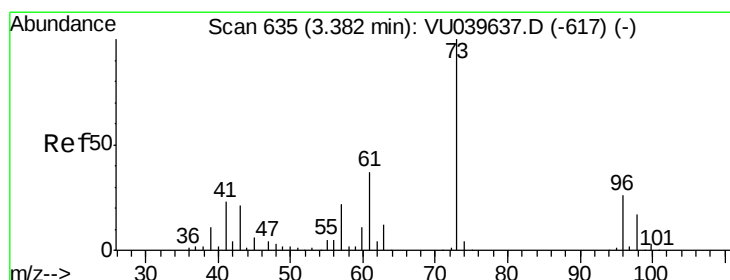
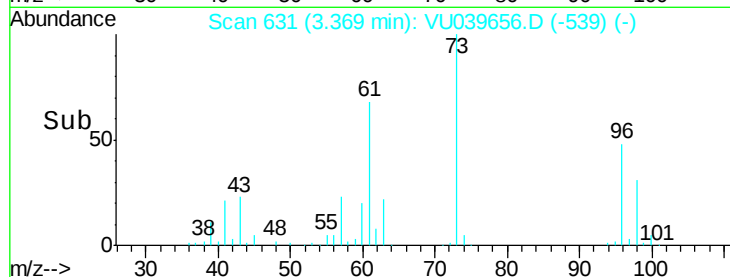
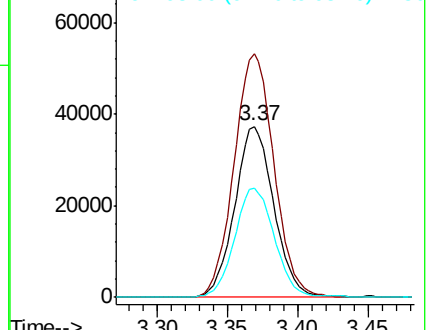
96 100

61 142.5 106.7 198.1

98 63.7 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 51.771 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

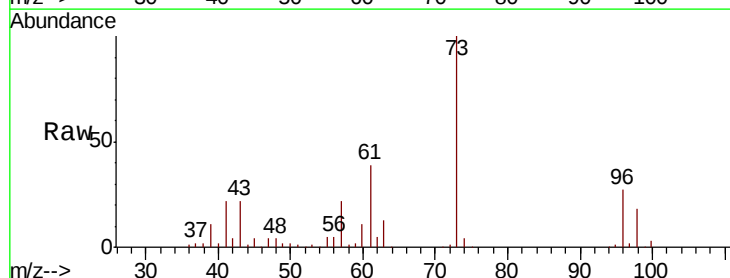
Tgt Ion: 73 Resp: 239980

Ion Ratio Lower Upper

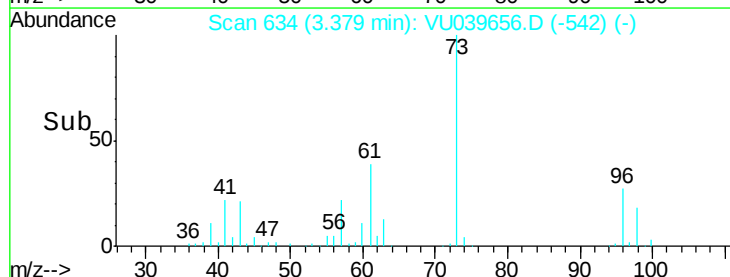
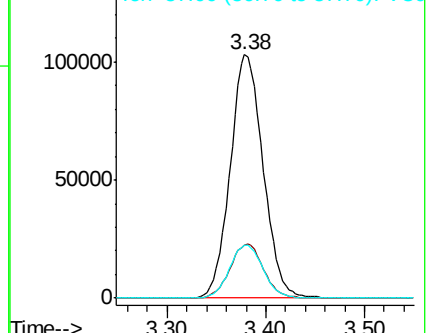
73 100

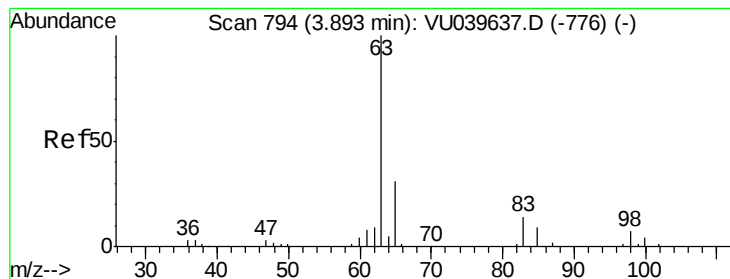
43 22.2 18.2 27.2

57 22.1 17.4 26.2



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 50.615 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

Instrument :
MSVOA_U
ClientSampleId :

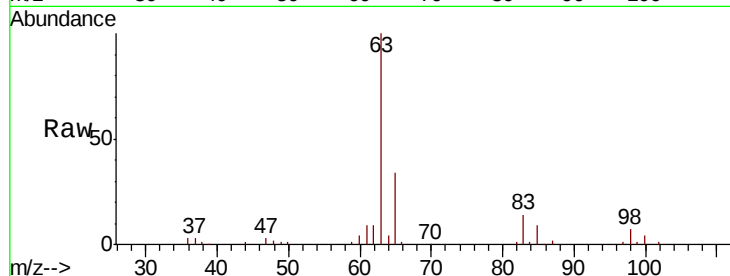
Tot Ion: 63 Resp: 141689

Ion Ratio Lower Upper

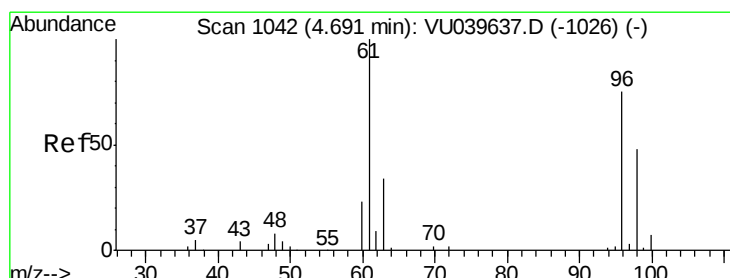
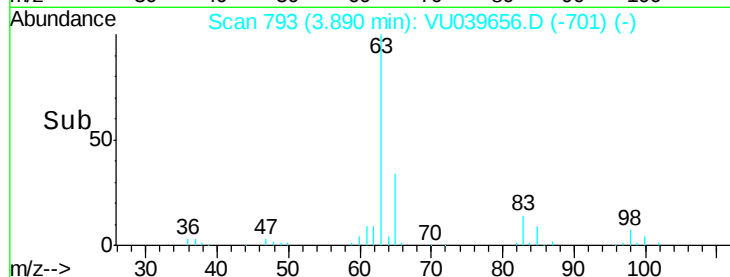
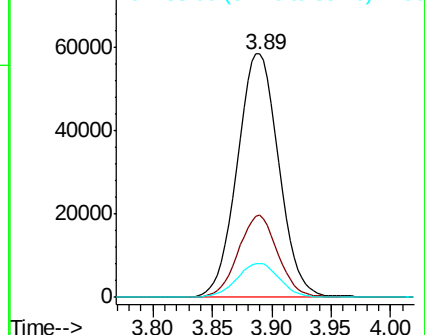
63 100

65 33.8 20.4 38.0

83 13.9 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 50.306 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

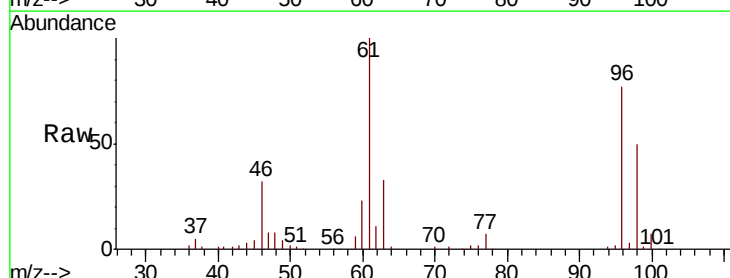
Tgt Ion: 96 Resp: 82469

Ion Ratio Lower Upper

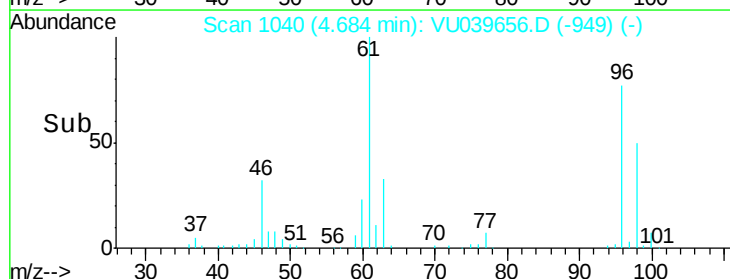
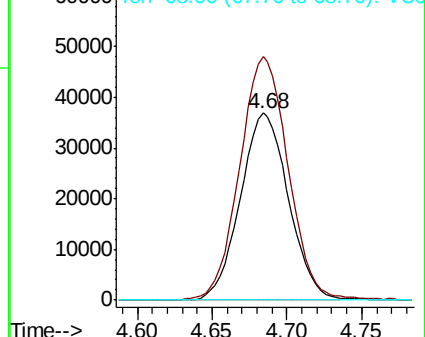
96 100

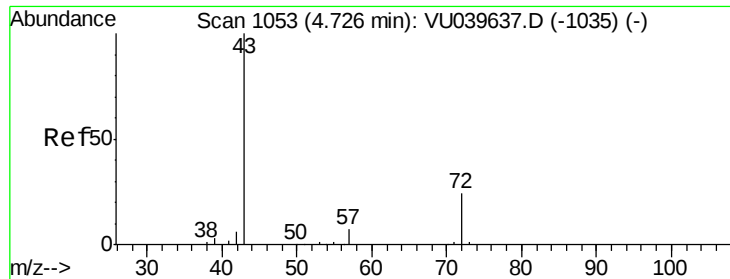
61 130.1 94.0 174.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 109.347 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

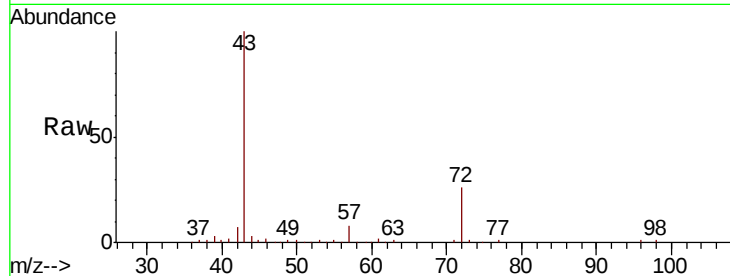
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 174175

Ion Ratio Lower Upper

43 100

72 26.0 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VU039637.D (-1035) (-)

Ion 72.00 (71.70 to 72.70): VU039637.D (-1035) (-)

4.73

60000

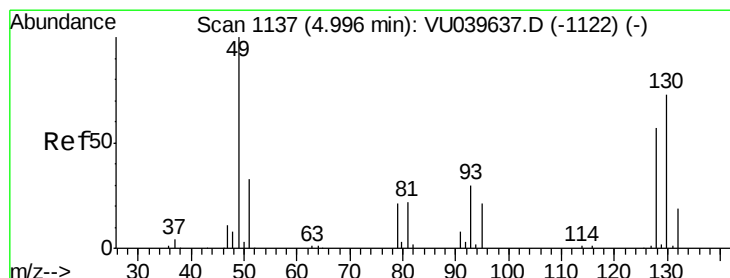
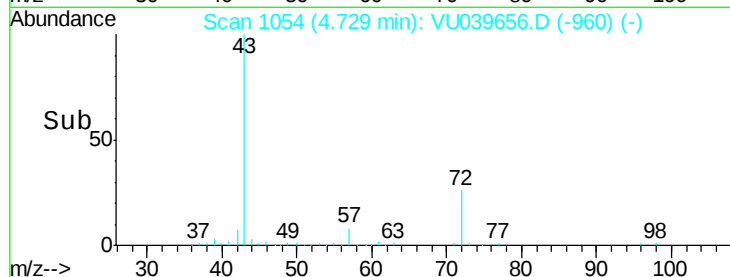
40000

20000

0

Time-->

4.60 4.70 4.80



#23

Bromochloromethane

Concen: 51.052 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

Tgt Ion:128 Resp: 42061

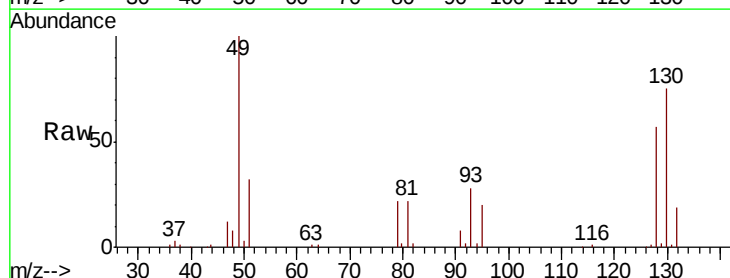
Ion Ratio Lower Upper

128 100

49 174.8 124.5 231.3

130 131.7 94.4 175.2

51 55.7 43.5 65.3



Abundance Ion 128.00 (127.70 to 128.70): VU039637.D (-1122) (-)

Ion 49.00 (48.70 to 49.70): VU039637.D (-1122) (-)

Ion 130.00 (129.70 to 130.70): VU039637.D (-1122) (-)

Ion 51.00 (50.70 to 51.70): VU039637.D (-1122) (-)

4.99

50000

40000

30000

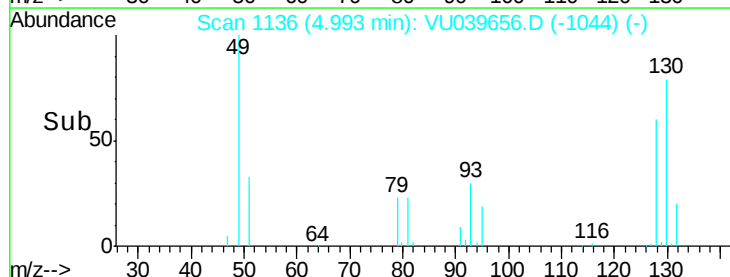
20000

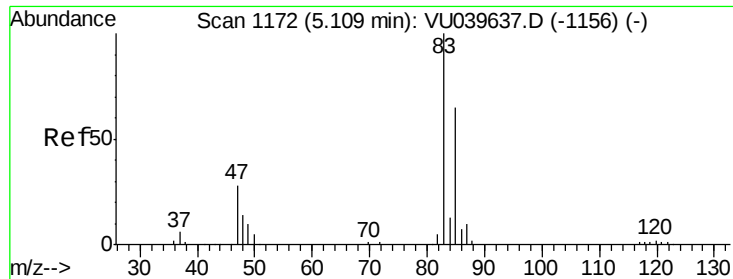
10000

0

Time-->

4.90 4.95 5.00 5.05

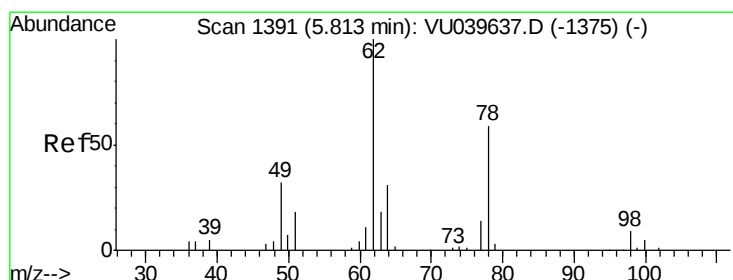
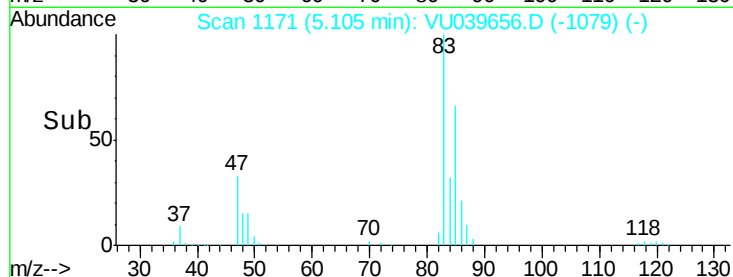
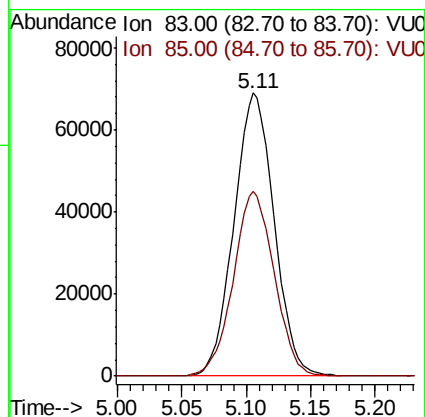
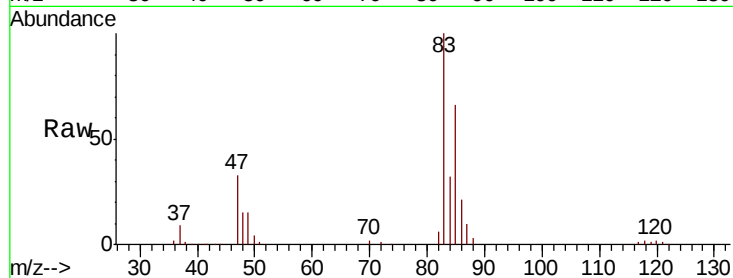




#25
Chloroform
Concen: 48.161 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039656.D
Acq: 24 Jul 2020 11:53

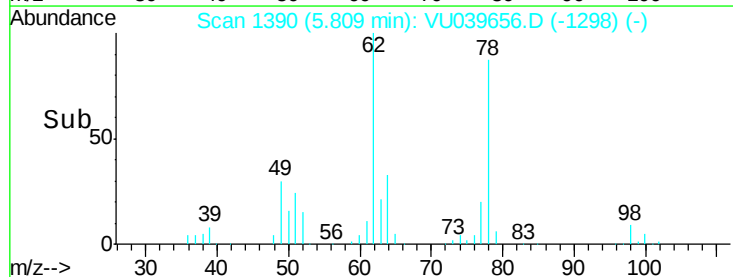
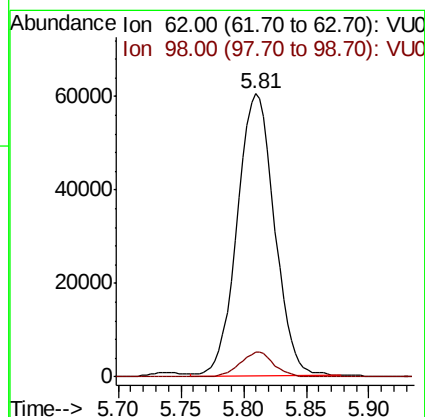
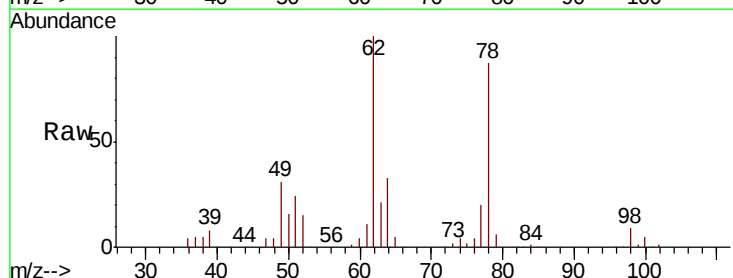
Instrument :
MSVOA_U
ClientSampleId :

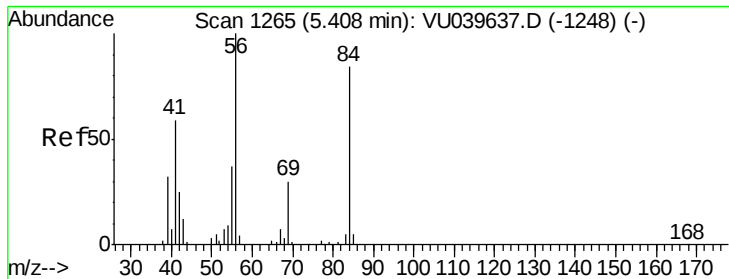
Tot Ion: 83 Resp: 149541
Ion Ratio Lower Upper
83 100
85 65.5 45.6 84.6



#27
1,2-Dichloroethane
Concen: 48.468 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU039656.D
Acq: 24 Jul 2020 11:53

Tgt Ion: 62 Resp: 124790
Ion Ratio Lower Upper
62 100
98 8.7 6.4 9.6

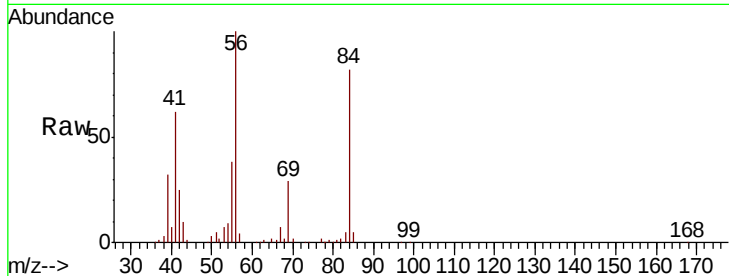




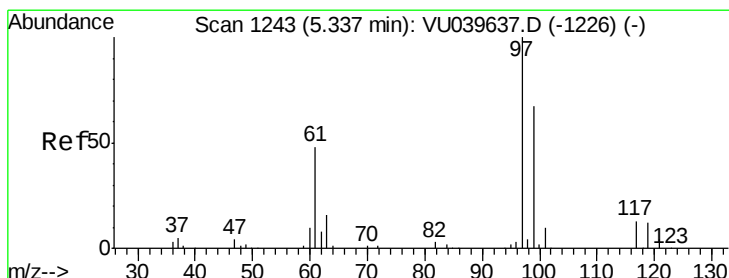
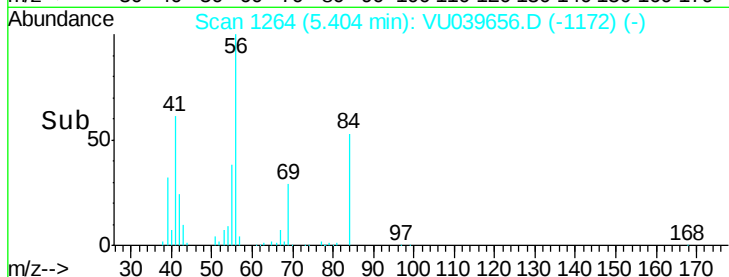
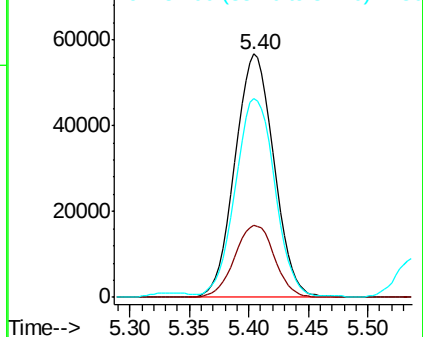
#29
Cyclohexane
Concen: 53.301 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU039656.D
Acq: 24 Jul 2020 11:53

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.9	35.9
84	81.7	65.8	98.8

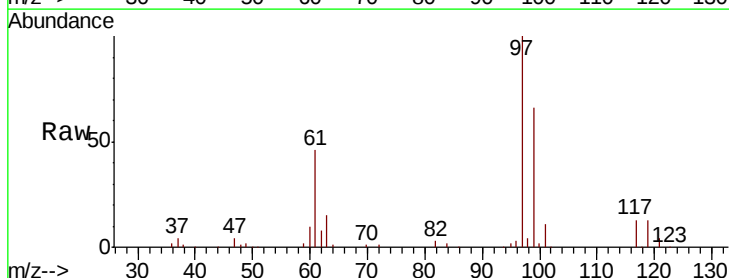


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

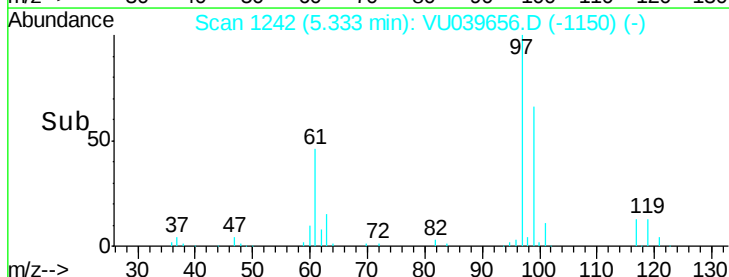
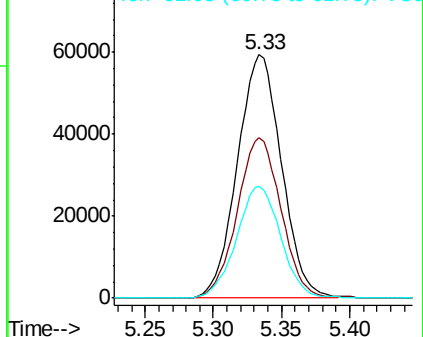


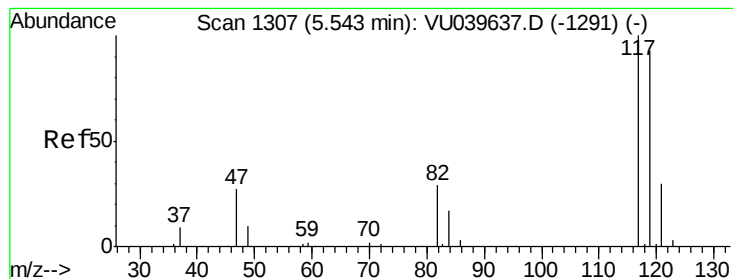
#30
1,1,1-Trichloroethane
Concen: 50.107 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VU039656.D
Acq: 24 Jul 2020 11:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	50.3	75.5
61	45.9	36.0	54.0



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 53.770 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

Instrument :

MSVOA_U

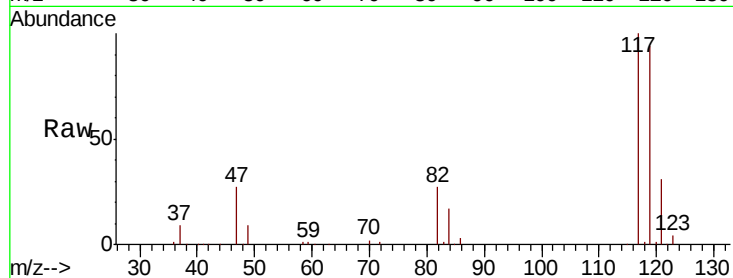
ClientSampleId :

Tot Ion:117 Resp: 118900

Ion Ratio Lower Upper

117 100

119 95.6 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.54

60000

50000

40000

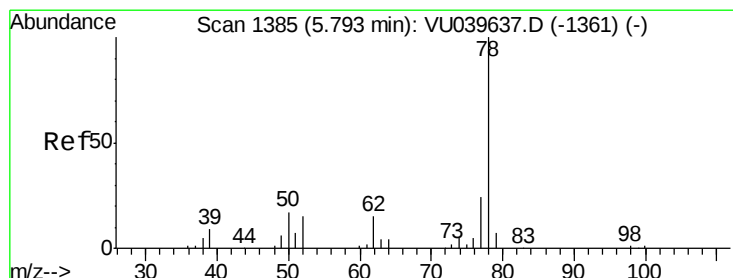
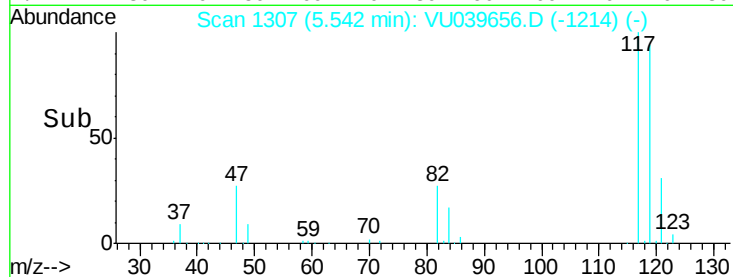
30000

20000

10000

0

Time-->



#33

Benzene

Concen: 50.987 ug/L

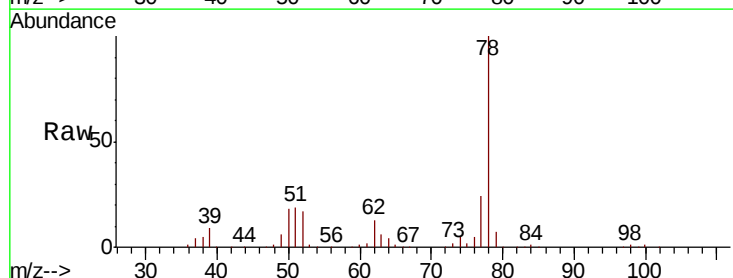
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

Tgt Ion: 78 Resp: 312913



Abundance Ion 78.00 (77.70 to 78.70): VU0

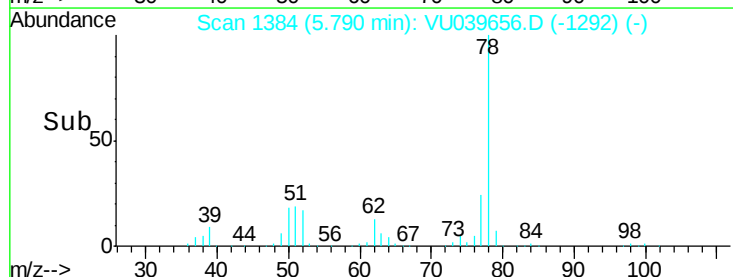
150000

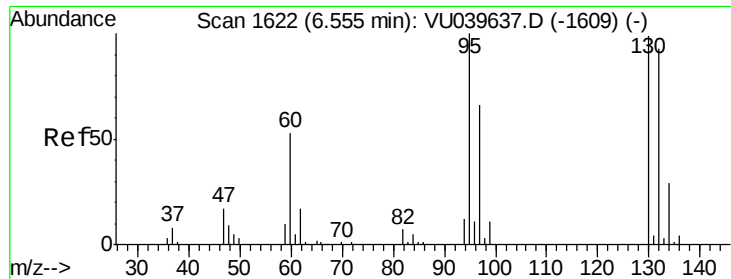
100000

50000

0

Time-->

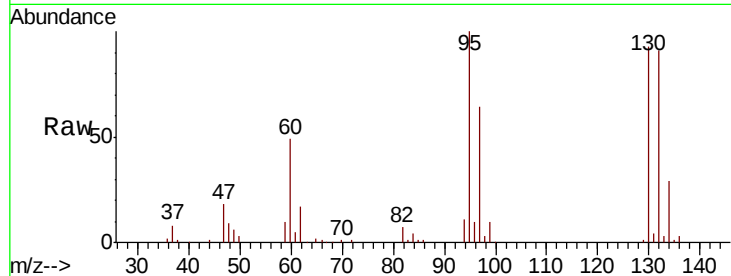




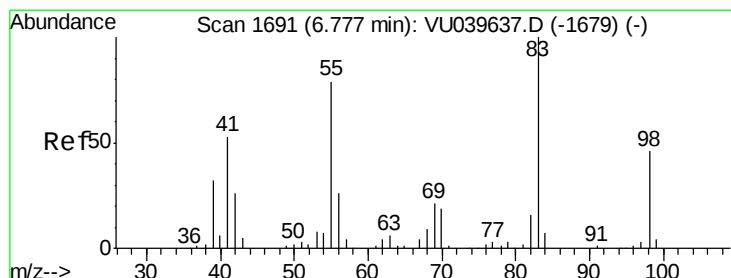
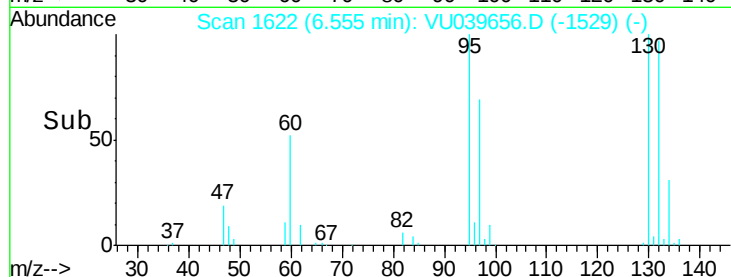
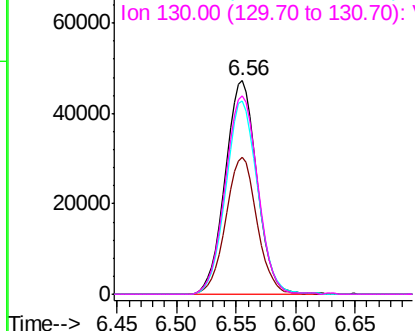
#34
 Trichloroethene
 Concen: 53.981 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: VU039656.D
 Acq: 24 Jul 2020 11:53

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 87626
 Ion Ratio Lower Upper
 95 100
 97 64.2 45.5 84.5
 132 90.8 65.0 120.6
 130 93.0 67.9 126.1

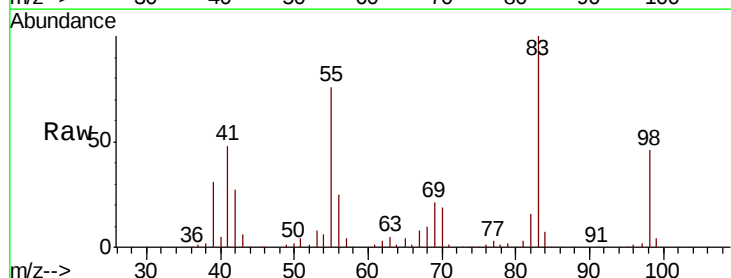


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

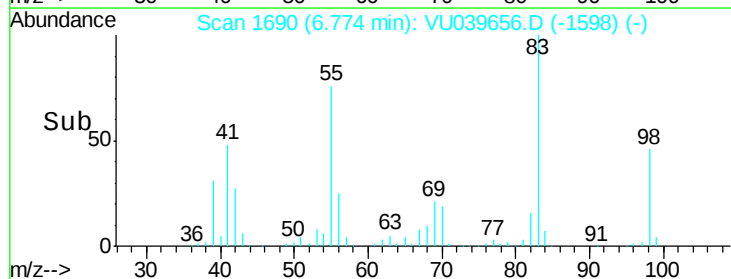
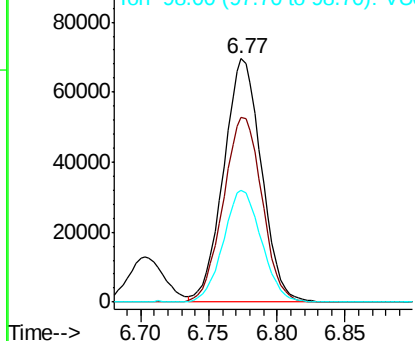


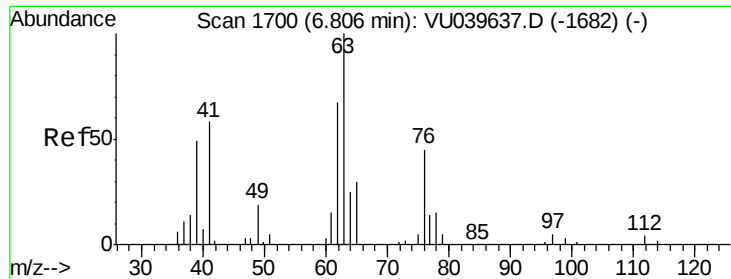
#35
 Methylcyclohexane
 Concen: 53.498 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU039656.D
 Acq: 24 Jul 2020 11:53

Tgt Ion: 83 Resp: 134275
 Ion Ratio Lower Upper
 83 100
 55 77.9 62.9 94.3
 98 46.3 36.3 54.5



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 50.240 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

Instrument :

MSVOA_U

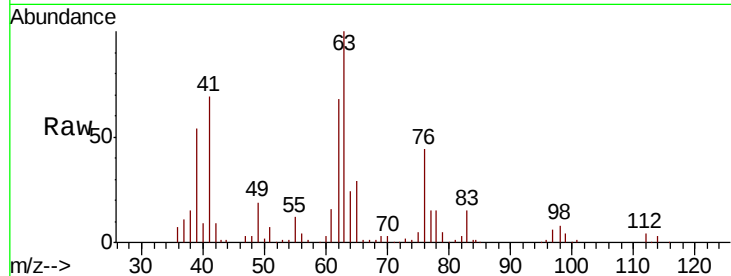
ClientSampleId :

Tot Ion: 63 Resp: 83475

Ion Ratio Lower Upper

63 100

112 3.6 3.0 4.4

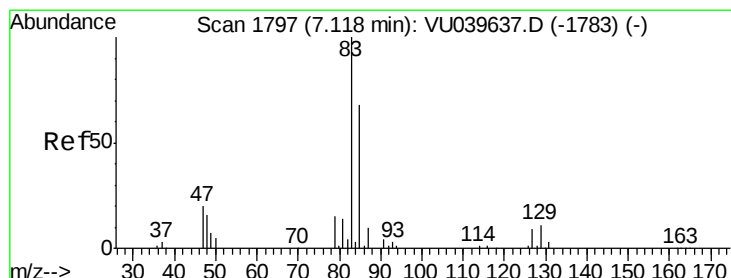
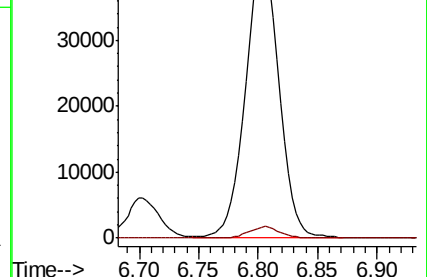
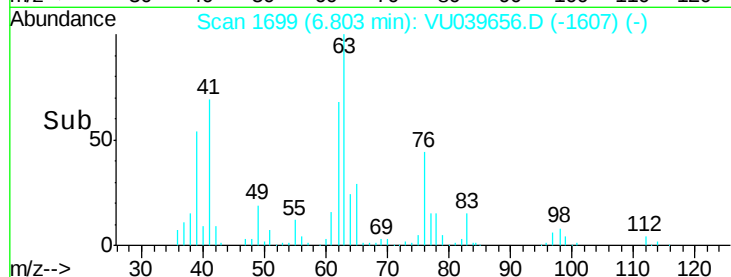


Abundance Ion 63.00 (62.70 to 63.70): VU039637.D (-1682) (-)

Ion 112.00 (111.70 to 112.70): VU039637.D (-1682) (-)

6.80

Time-->



#38

Bromodichloromethane

Concen: 52.445 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

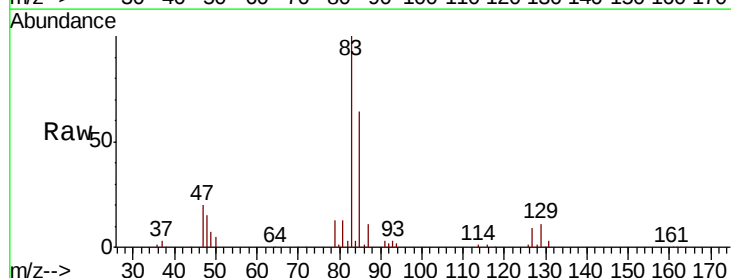
Tgt Ion: 83 Resp: 115726

Ion Ratio Lower Upper

83 100

85 63.7 45.9 85.3

127 8.5 7.4 11.2



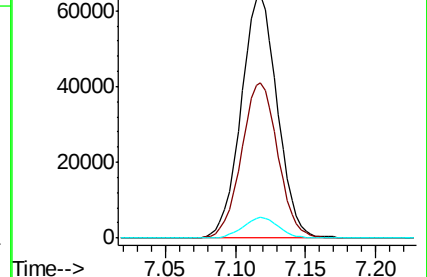
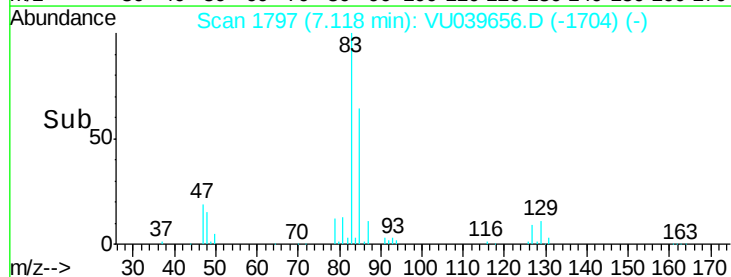
Abundance Ion 83.00 (82.70 to 83.70): VU039637.D (-1783) (-)

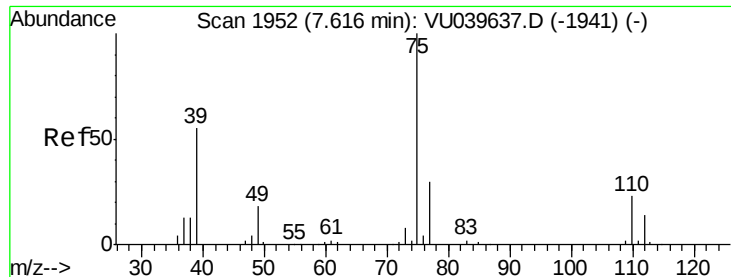
Ion 85.00 (84.70 to 85.70): VU039637.D (-1783) (-)

Ion 127.00 (126.70 to 127.70): VU039637.D (-1783) (-)

7.12

Time-->

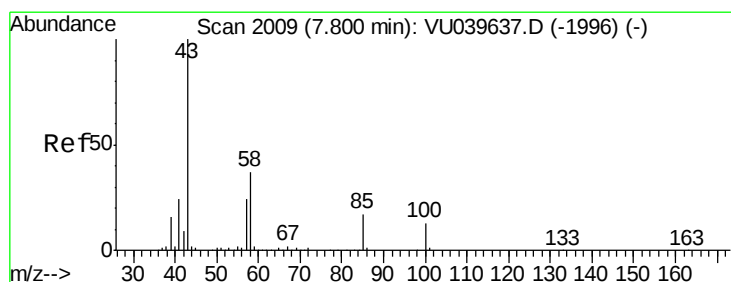
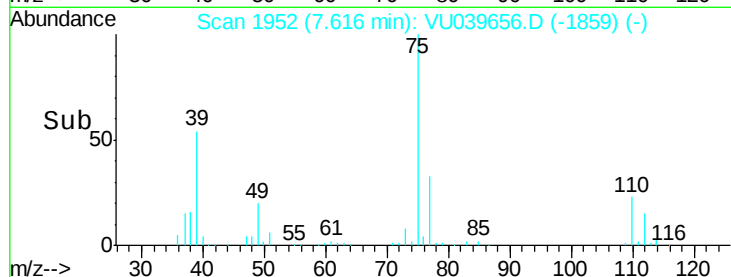
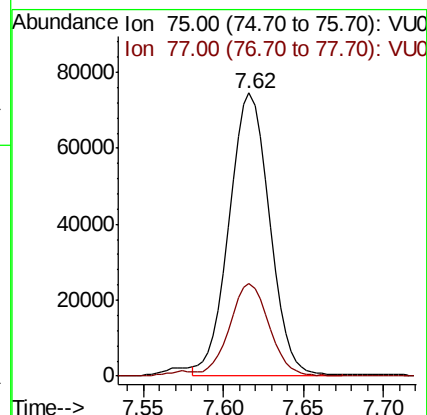
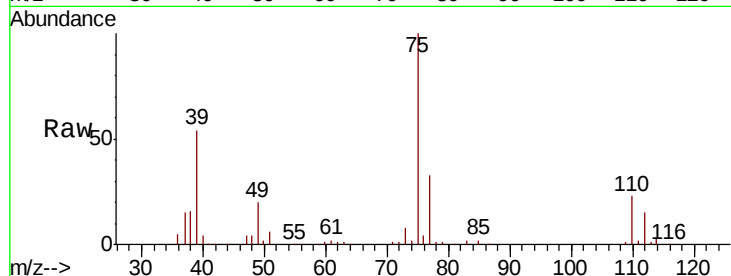




#39
 cis-1,3-Dichloropropene
 Concen: 51.733 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039656.D
 Acq: 24 Jul 2020 11:53

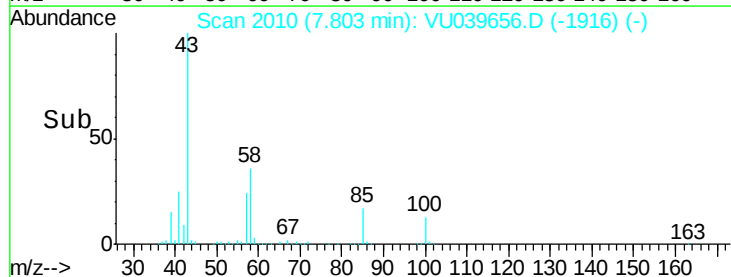
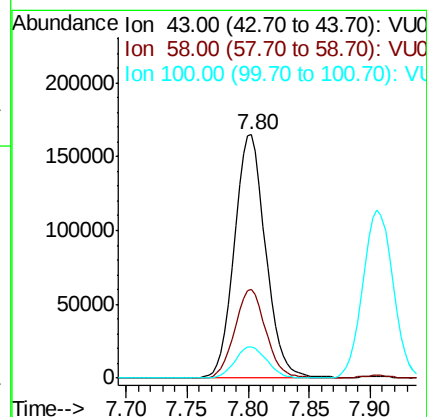
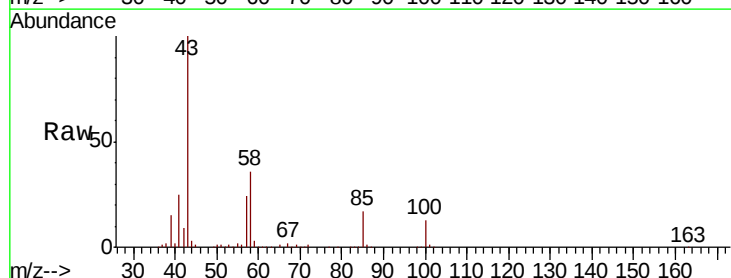
Instrument :
 MSVOA_U
 ClientSampleId :

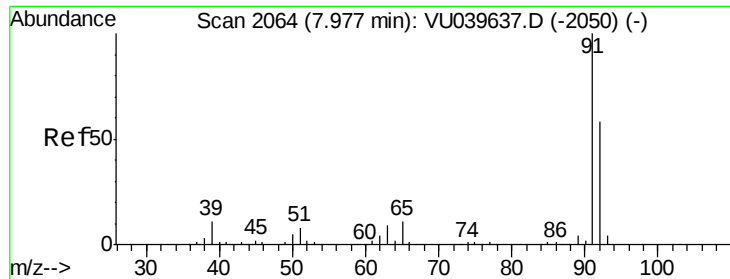
Tot Ion: 75 Resp: 128458
 Ion Ratio Lower Upper
 75 100
 77 32.7 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 101.775 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039656.D
 Acq: 24 Jul 2020 11:53

Tgt Ion: 43 Resp: 294602
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.1 43.7
 100 13.3 10.6 16.0





#42

Toluene

Concen: 51.833 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

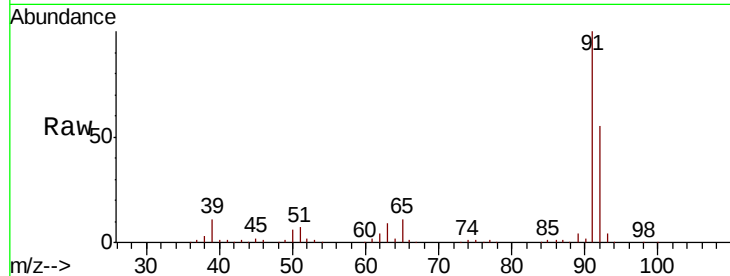
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 349821

Ion Ratio Lower Upper

91 100

92 55.4 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU039637.D (-2050) (-)

Ion 92.00 (91.70 to 92.70): VU039637.D (-2050) (-)

7.98

200000

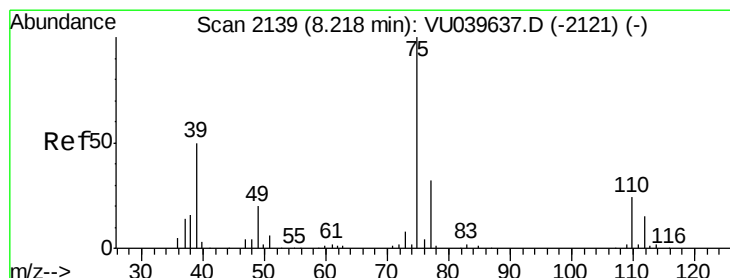
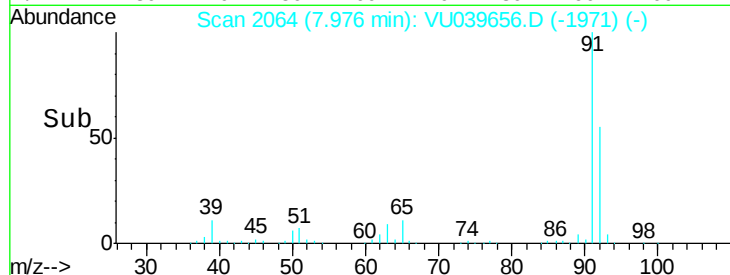
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 54.097 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039656.D

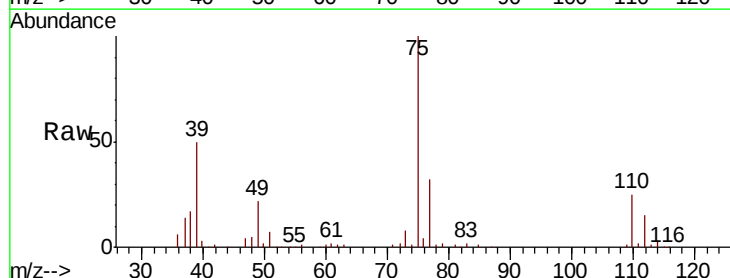
Acq: 24 Jul 2020 11:53

Tgt Ion: 75 Resp: 131548

Ion Ratio Lower Upper

75 100

77 31.8 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU039637.D (-2121) (-)

Ion 77.00 (76.70 to 77.70): VU039637.D (-2121) (-)

8.22

80000

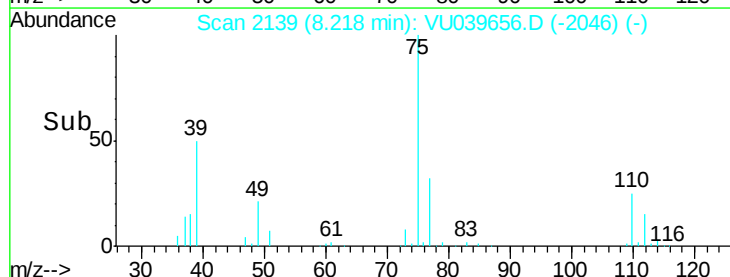
60000

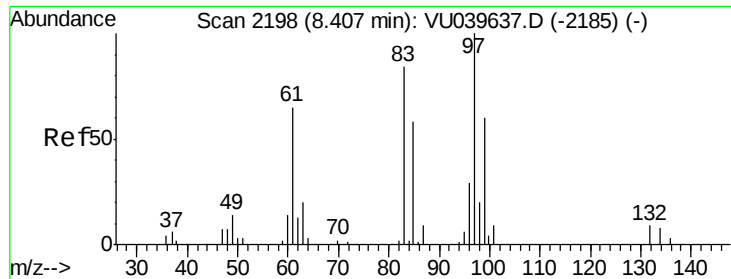
40000

20000

0

Time-->

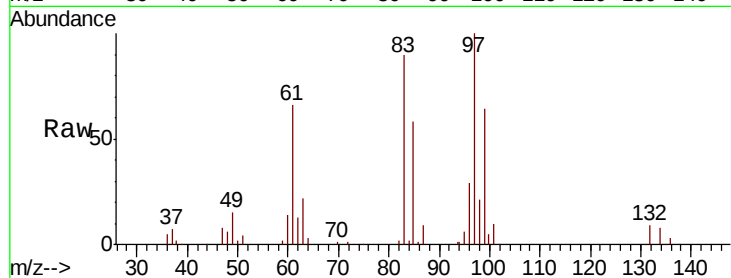




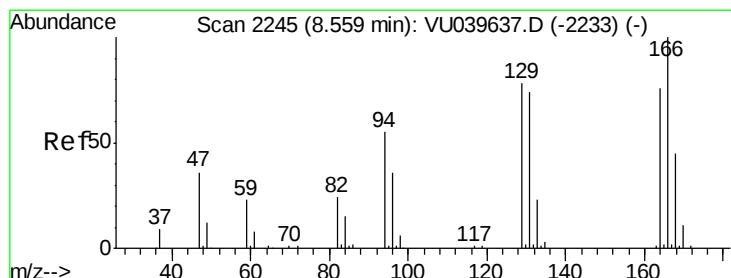
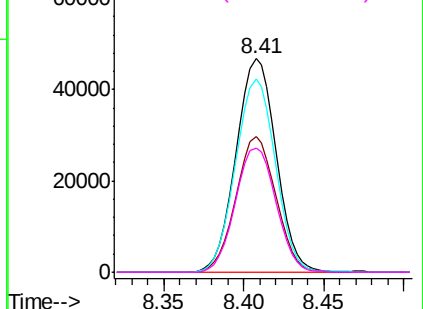
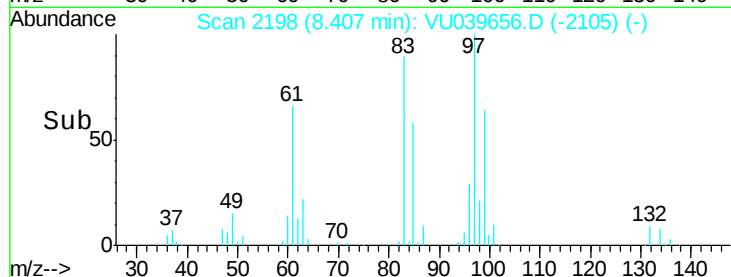
#45
1,1,2-Trichloroethane
Concen: 50.503 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VU039656.D
Acq: 24 Jul 2020 11:53

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	80021
Ion	Ratio	Lower	Upper
97	100		
99	63.8	45.1	83.9
83	90.3	62.7	116.5
85	58.4	41.0	76.2

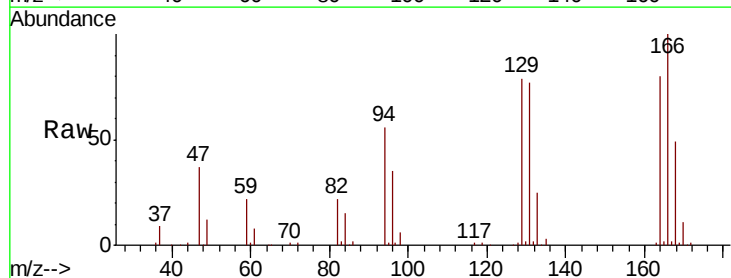


Abundance Ion 97.00 (96.70 to 97.70): VU039656.D (-2105) (-)

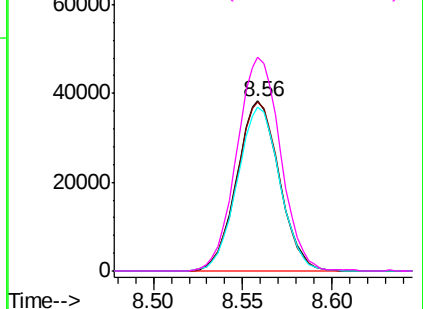
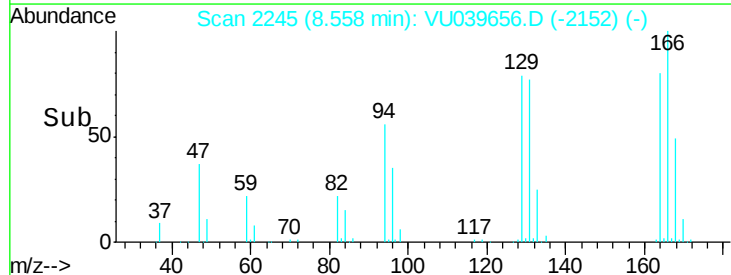


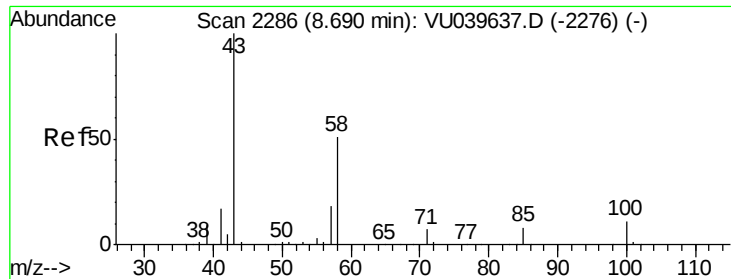
#46
Tetrachloroethene
Concen: 51.687 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU039656.D
Acq: 24 Jul 2020 11:53

Tgt Ion:	164	Resp:	63463
Ion	Ratio	Lower	Upper
164	100		
129	99.7	71.1	132.1
131	96.5	70.3	130.5
166	125.5	87.8	163.0



Abundance Ion 164.00 (163.70 to 164.70): VU039656.D (-2152) (-)

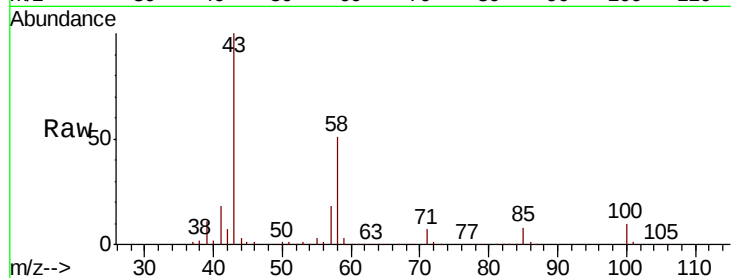




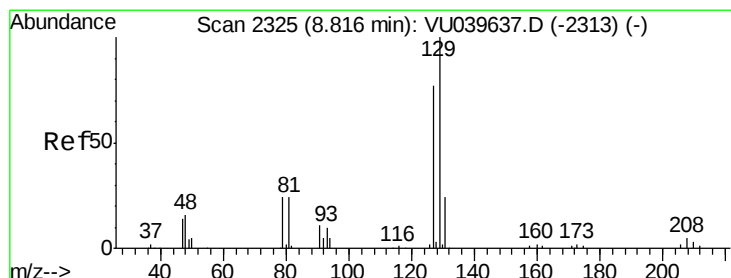
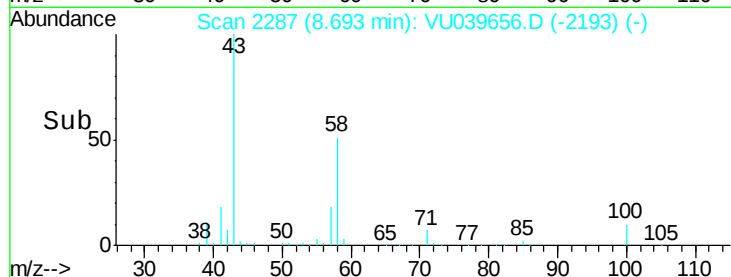
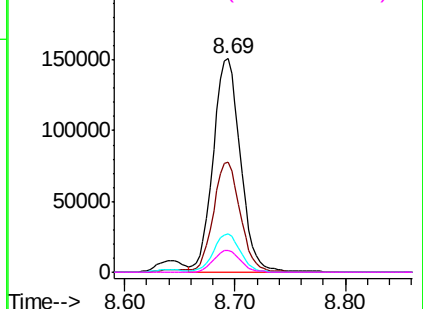
#48
2-Hexanone
Concen: 109.340 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039656.D
Acq: 24 Jul 2020 11:53

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 257891
Ion Ratio Lower Upper
43 100
58 50.6 40.6 61.0
57 17.9 14.5 21.7
100 10.2 8.0 12.0

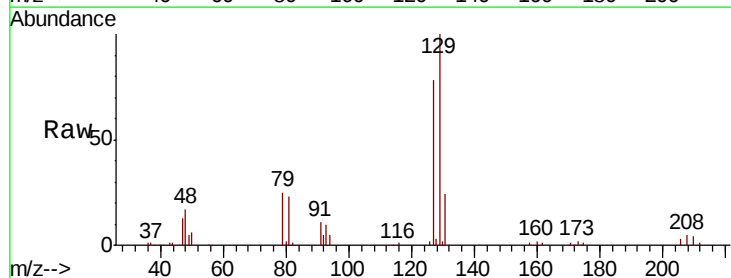


Abundance Ion 43.00 (42.70 to 43.70): VU039637.D (-2276) (-)
Ion 58.00 (57.70 to 58.70): VU039637.D (-2276) (-)
Ion 57.00 (56.70 to 57.70): VU039637.D (-2276) (-)
Ion 100.00 (99.70 to 100.70): VU039637.D (-2276) (-)

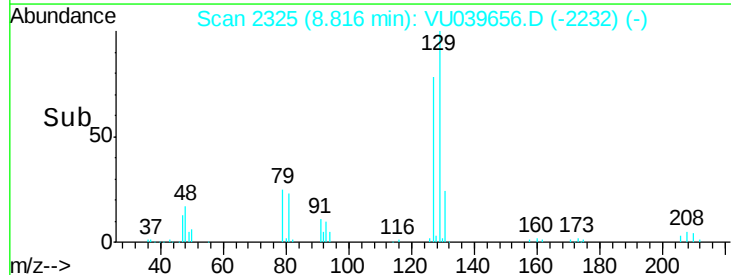
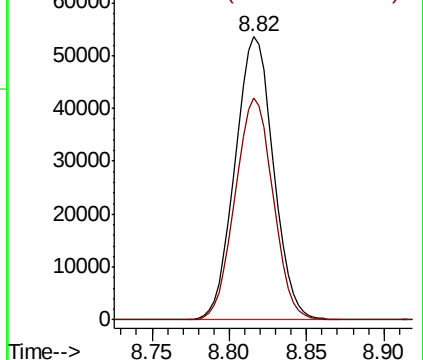


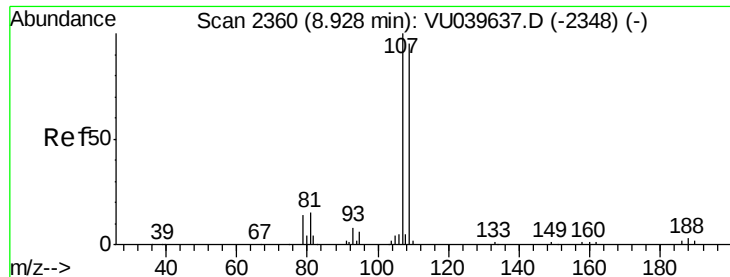
#49
Dibromochloromethane
Concen: 51.795 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039656.D
Acq: 24 Jul 2020 11:53

Tgt Ion: 129 Resp: 92663
Ion Ratio Lower Upper
129 100
127 78.4 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): VU039637.D (-2313) (-)
Ion 127.00 (126.70 to 127.70): VU039637.D (-2313) (-)

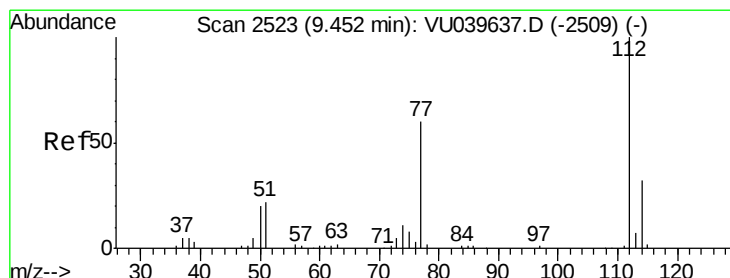
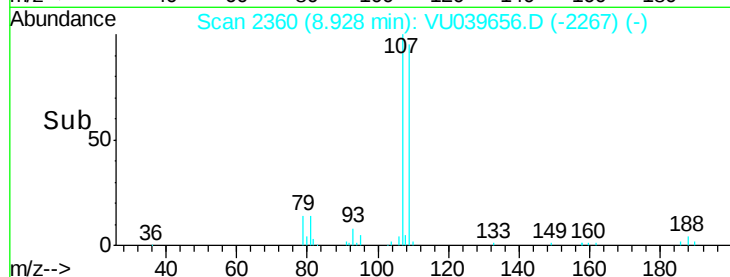
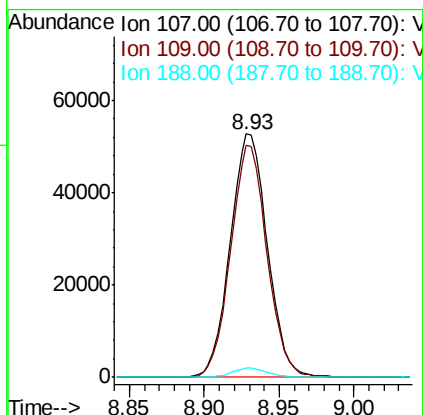
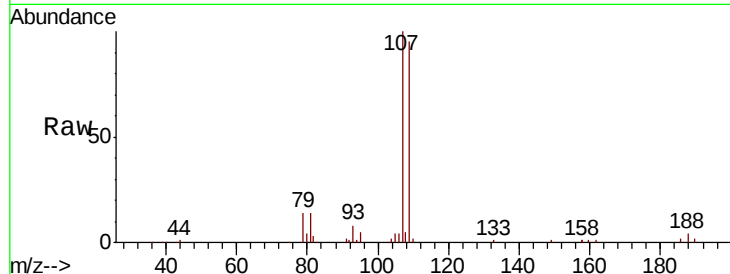




#50
1,2-Dibromoethane
Concen: 51.695 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU039656.D
Acq: 24 Jul 2020 11:53

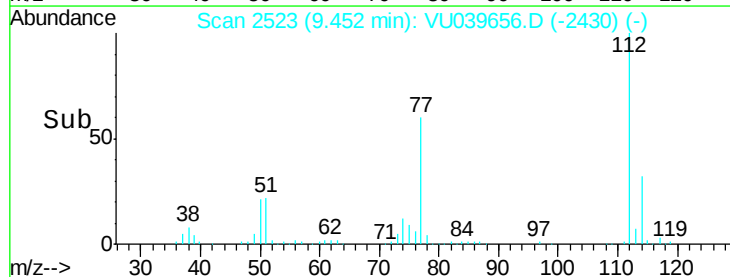
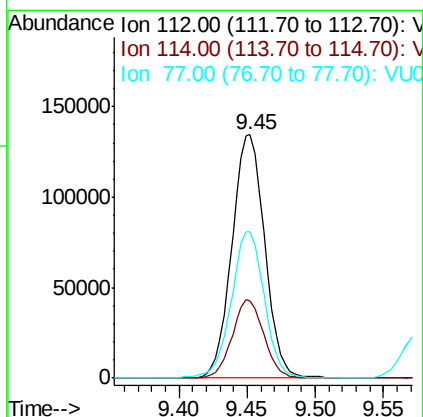
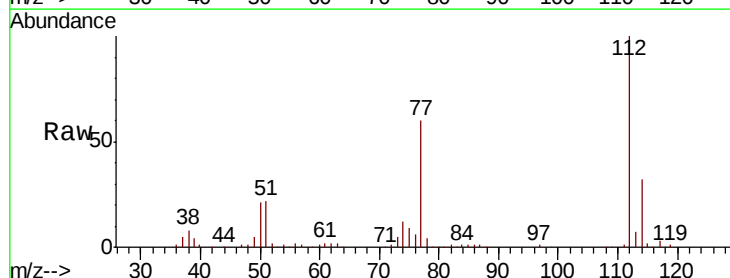
Instrument :
MSVOA_U
ClientSampleId :

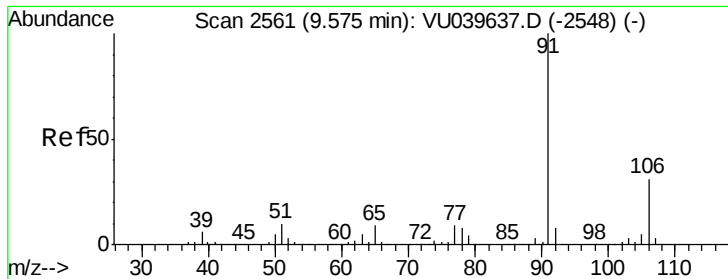
Tot Ion:107 Resp: 91128
Ion Ratio Lower Upper
107 100
109 95.3 66.8 124.2
188 3.7 3.0 4.4



#51
Chlorobenzene
Concen: 52.120 ug/L
RT: 9.45 min Scan# 2523
Delta R.T. -0.00 min
Lab File: VU039656.D
Acq: 24 Jul 2020 11:53

Tgt Ion:112 Resp: 224452
Ion Ratio Lower Upper
112 100
114 31.9 22.9 42.5
77 60.0 49.4 74.0





#52

Ethylbenzene

Concen: 53.459 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

Instrument :

MSVOA_U

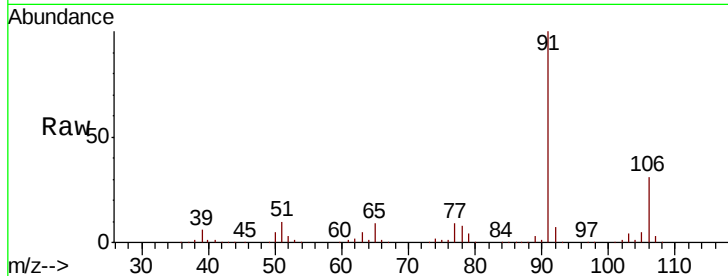
ClientSampled :

Tot Ion: 91 Resp: 398704

Ion Ratio Lower Upper

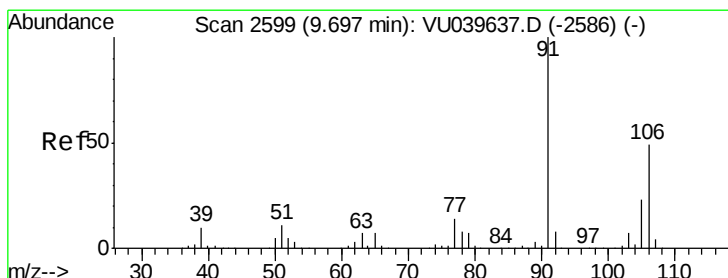
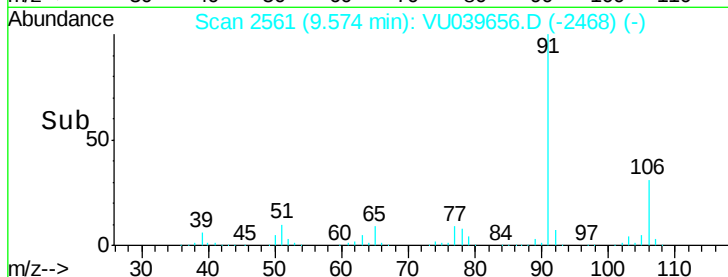
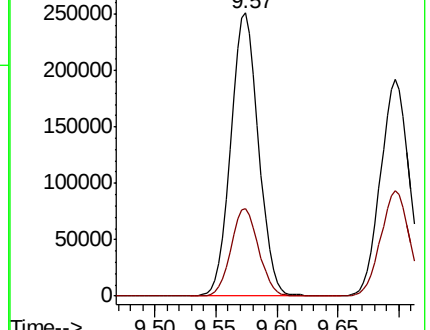
91 100

106 30.8 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU039637.D (-2548) (-)

Ion 106.00 (105.70 to 106.70): VU039637.D (-2548) (-)



#53

m,p-Xylene

Concen: 54.238 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039656.D

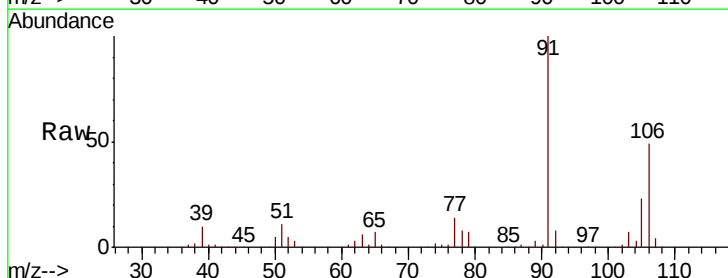
Acq: 24 Jul 2020 11:53

Tgt Ion: 106 Resp: 152480

Ion Ratio Lower Upper

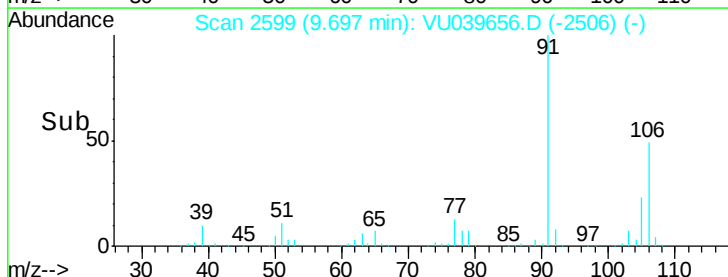
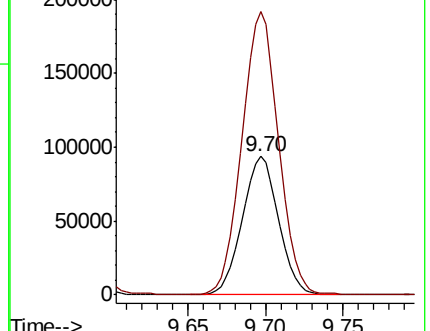
106 100

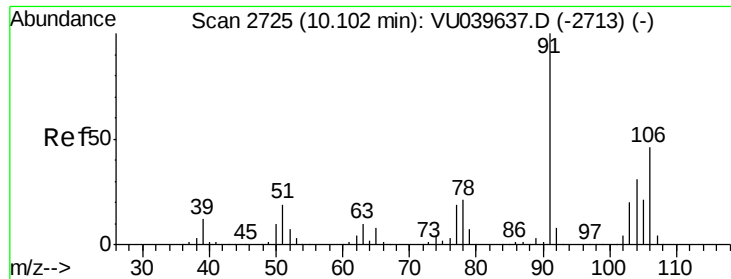
91 204.8 149.7 277.9



Abundance Ion 106.00 (105.70 to 106.70): VU039637.D (-2586) (-)

Ion 91.00 (90.70 to 91.70): VU039637.D (-2586) (-)





#54

o-xylene

Concen: 54.482 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

Instrument :

MSVOA_U

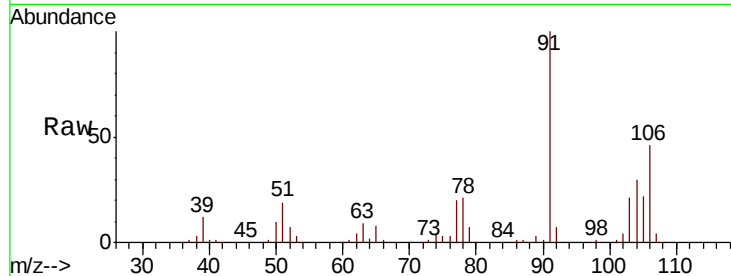
ClientSampled :

Tot Ion:106 Resp: 146988

Ion Ratio Lower Upper

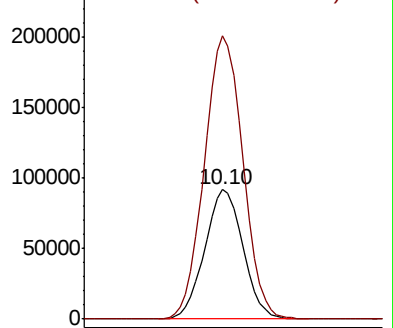
106 100

91 219.1 155.1 288.1

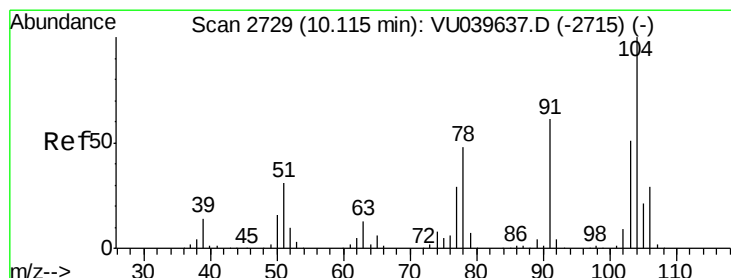
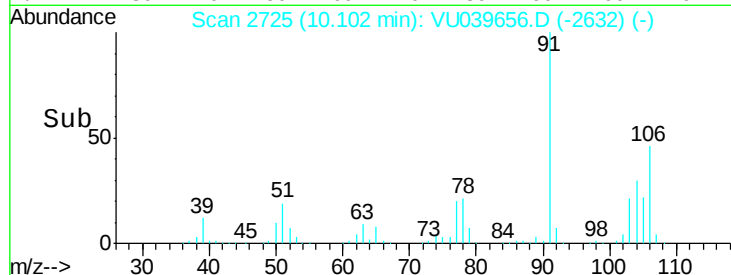


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#55

Styrene

Concen: 55.874 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU039656.D

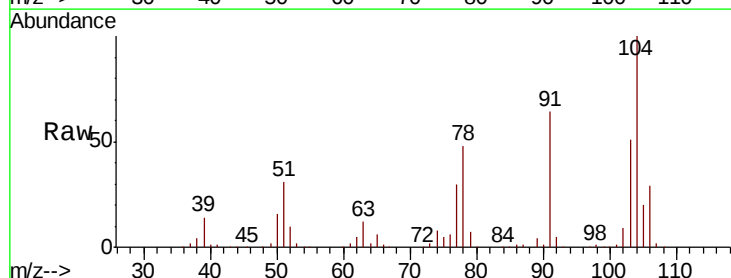
Acq: 24 Jul 2020 11:53

Tgt Ion:104 Resp: 260860

Ion Ratio Lower Upper

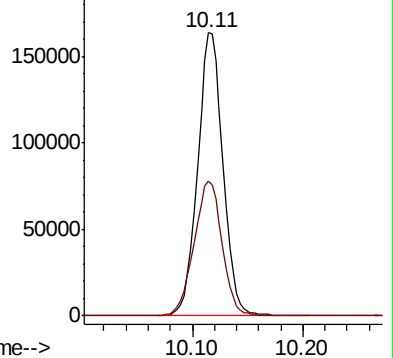
104 100

78 47.7 34.3 63.7

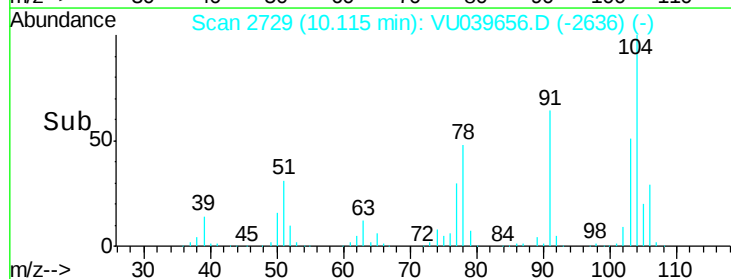


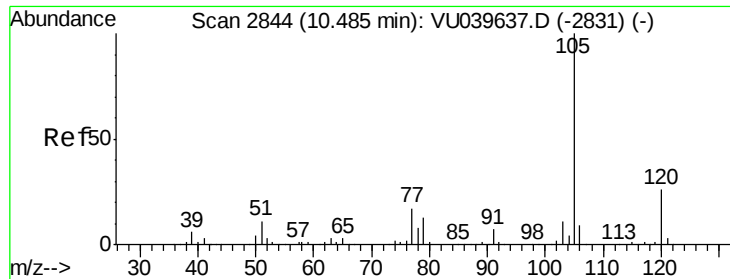
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



Time-->





#56

Isopropylbenzene

Concen: 55.213 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

Instrument :

MSVOA_U

ClientSampleId :

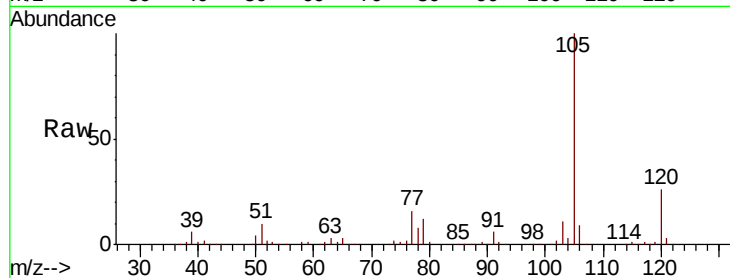
Tot Ion:105 Resp: 404391

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

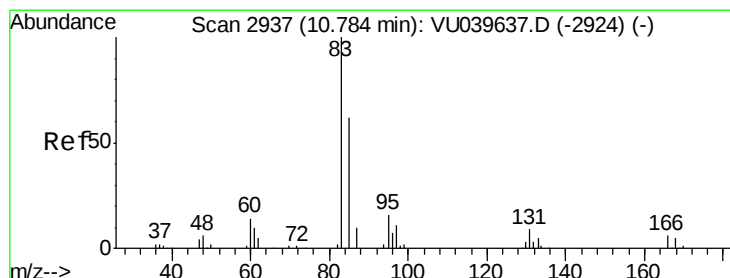
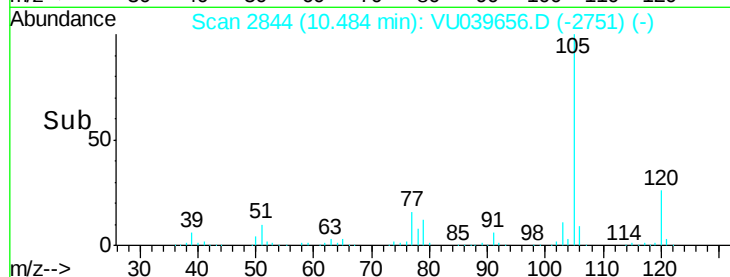
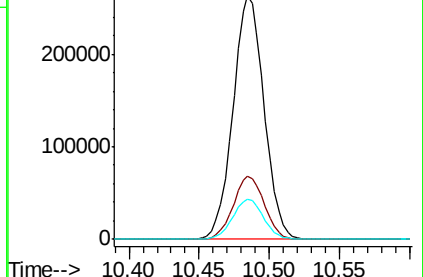
77 16.4 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.739 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

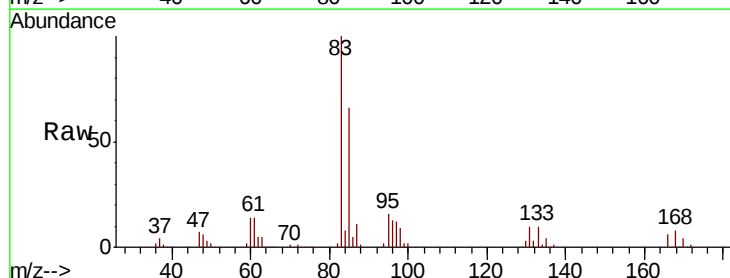
Tgt Ion: 83 Resp: 146535

Ion Ratio Lower Upper

83 100

85 65.6 46.4 86.2

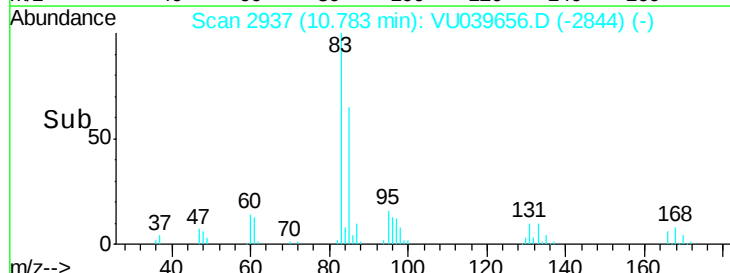
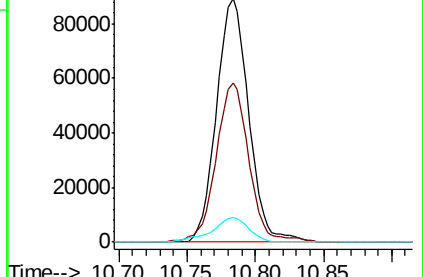
131 10.0 7.8 11.6

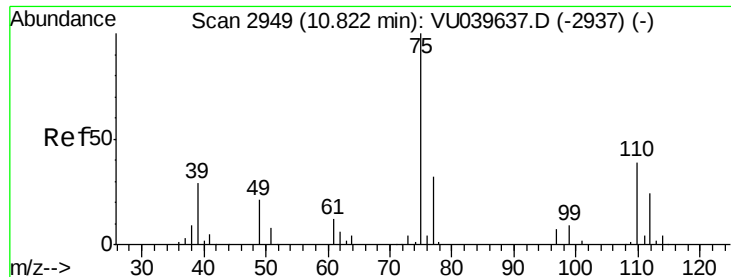


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.640 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

Instrument :

MSVOA_U

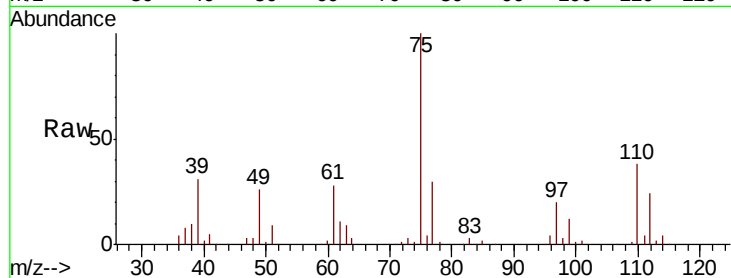
ClientSampled :

Tot Ion: 75 Resp: 122088

Ion Ratio Lower Upper

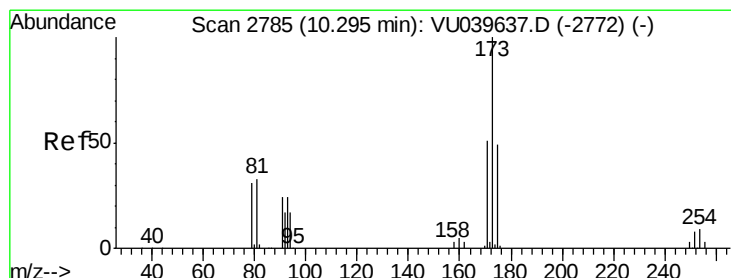
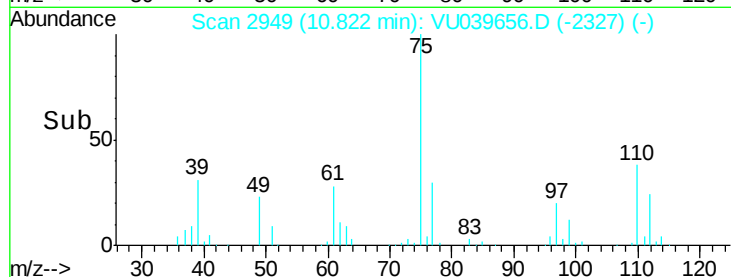
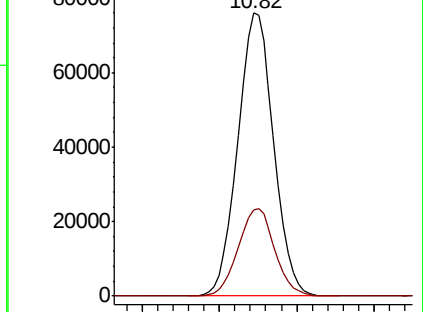
75 100

77 31.4 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU039637.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039637.D (-2937) (-)



#61

Bromoform

Concen: 50.661 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

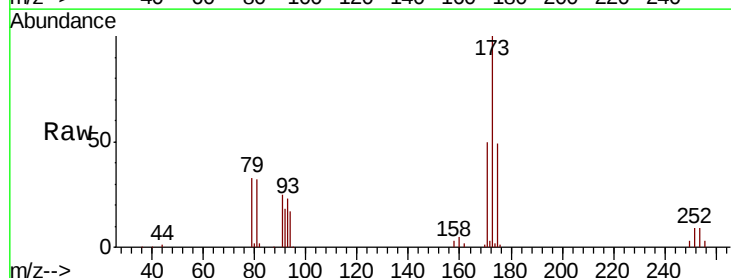
Tgt Ion: 173 Resp: 74020

Ion Ratio Lower Upper

173 100

175 49.0 38.4 57.6

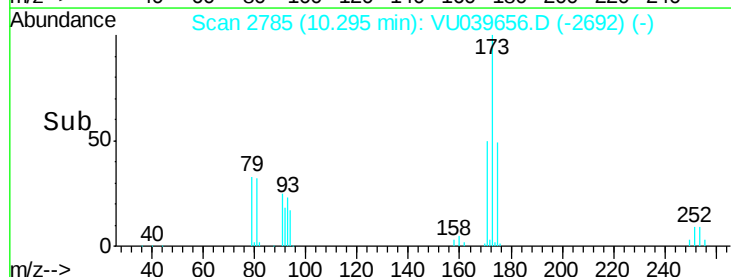
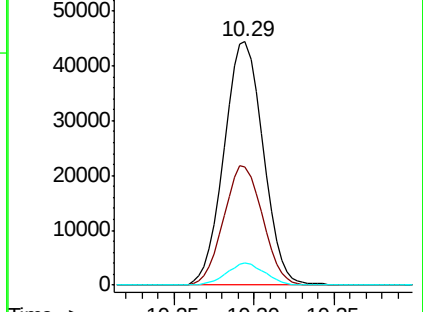
254 8.8 7.0 10.6

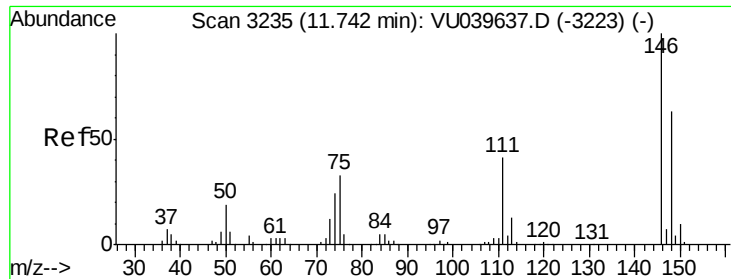


Abundance Ion 173.00 (172.70 to 173.70): VU039637.D (-2772) (-)

Ion 175.00 (174.70 to 175.70): VU039637.D (-2772) (-)

Ion 254.00 (253.70 to 254.70): VU039637.D (-2772) (-)

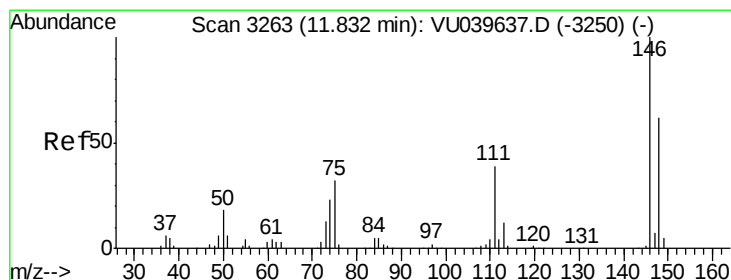
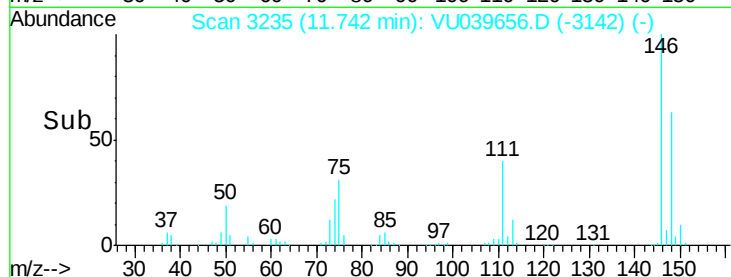
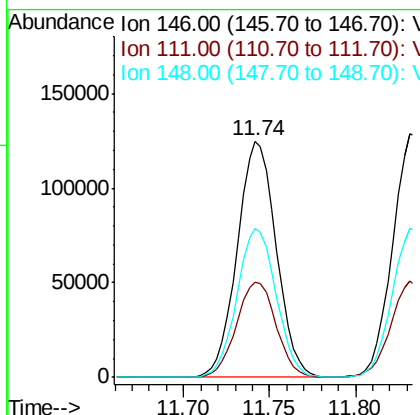
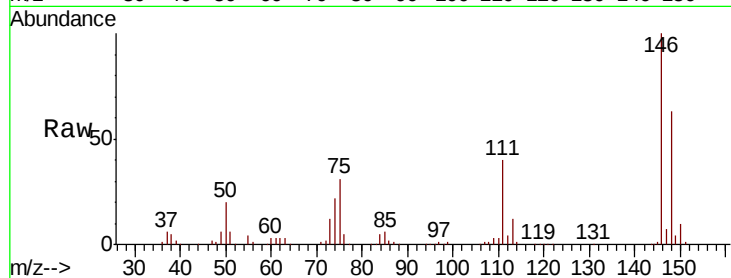




#62
 1,3-Dichlorobenzene
 Concen: 51.890 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039656.D
 Acq: 24 Jul 2020 11:53

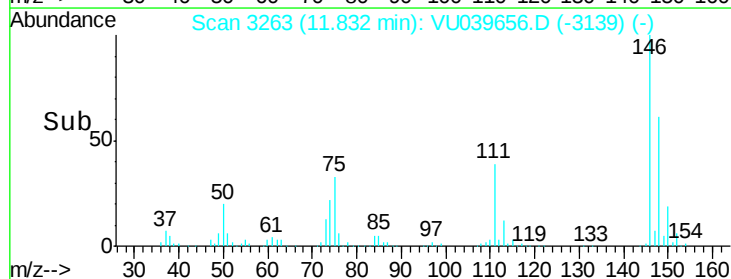
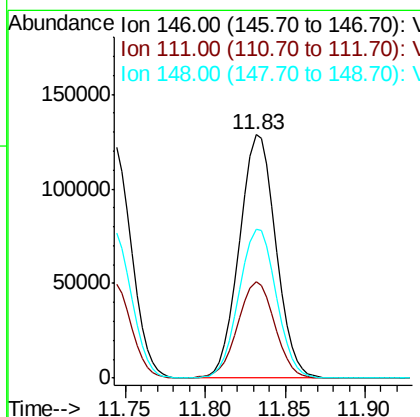
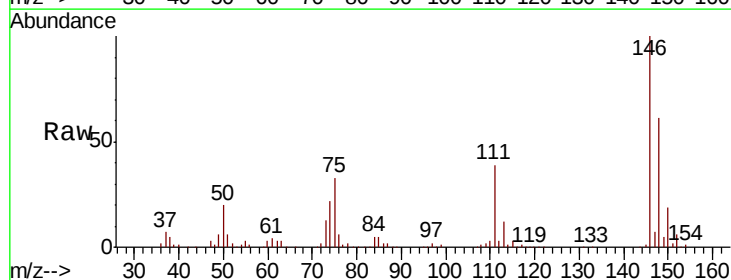
Instrument :
 MSVOA_U
 ClientSampleId :

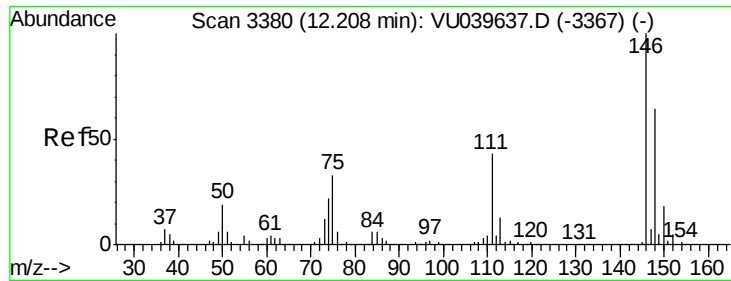
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	29.3	54.3
148	63.1	46.1	85.5



#63
 1,4-Dichlorobenzene
 Concen: 52.710 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039656.D
 Acq: 24 Jul 2020 11:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	27.8	51.6
148	61.0	44.7	83.1

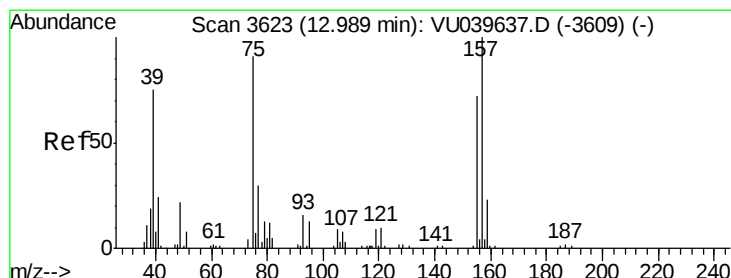
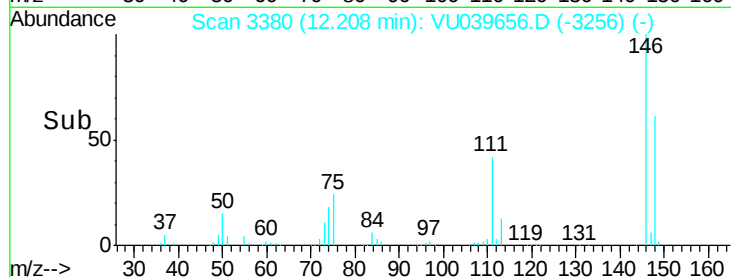
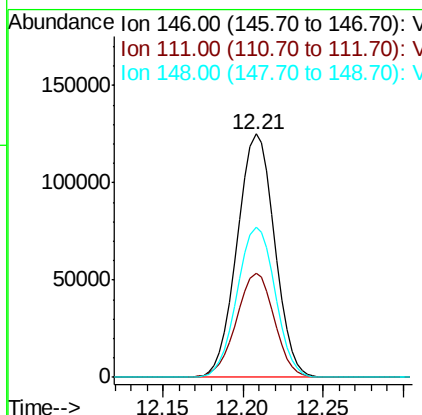
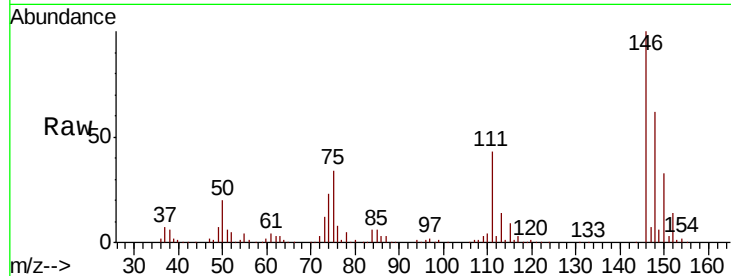




#65
 1,2-Dichlorobenzene
 Concen: 52.090 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039656.D
 Acq: 24 Jul 2020 11:53

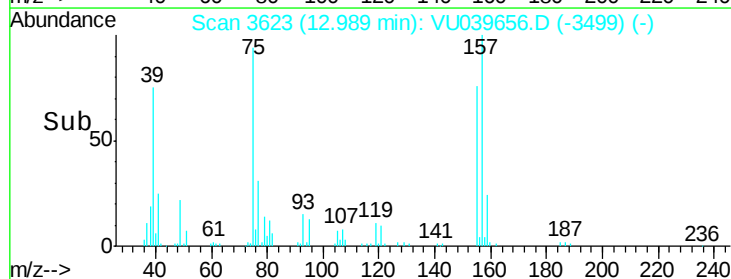
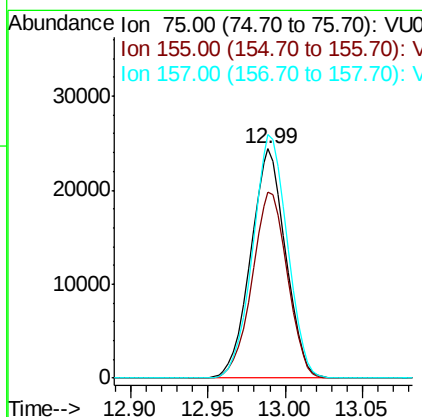
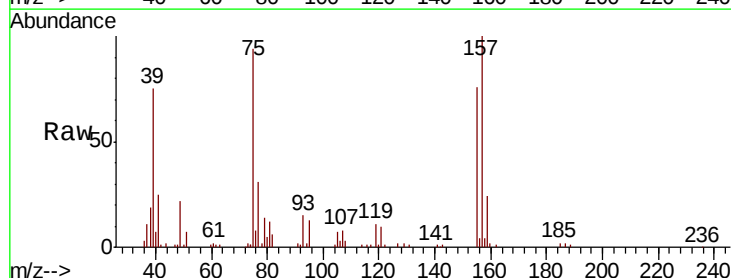
Instrument :
 MSVOA_U
 ClientSampleId :

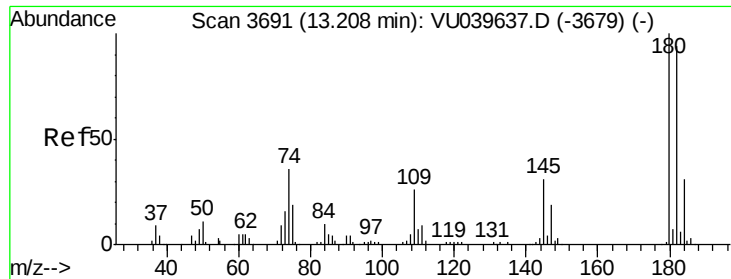
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	34.8	52.2
148	61.6	52.5	78.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.108 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039656.D
 Acq: 24 Jul 2020 11:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	62.4	93.6
157	106.1	78.9	118.3





#67

1,3,5-Trichlorobenzene

Concen: 54.588 ug/L

RT: 13.21 min Scan# 3692

Delta R.T. 0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

Instrument :

MSVOA_U

ClientSampled :

Tot Ion:180 Resp: 148951

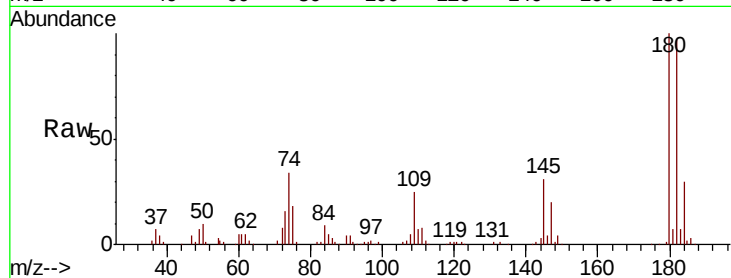
Ion Ratio Lower Upper

180 100

182 95.5 75.7 113.5

184 30.2 24.2 36.2

145 30.8 24.6 36.8

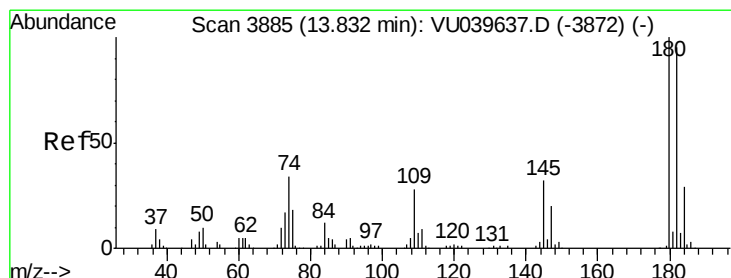
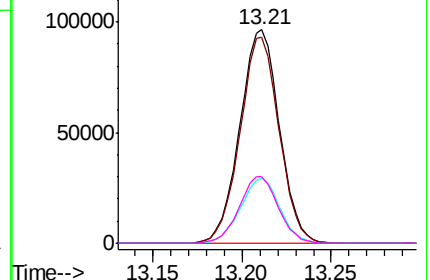
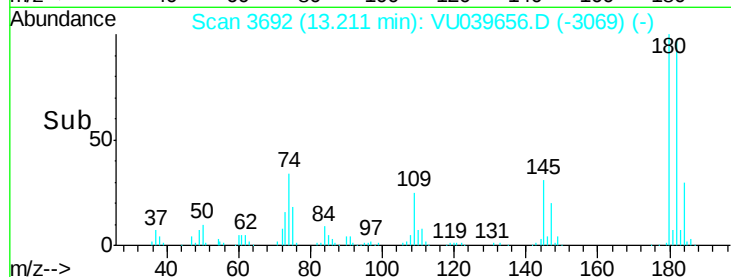


Abundance Ion 180.00 (179.70 to 180.70): V

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: 56.300 ug/L

RT: 13.83 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

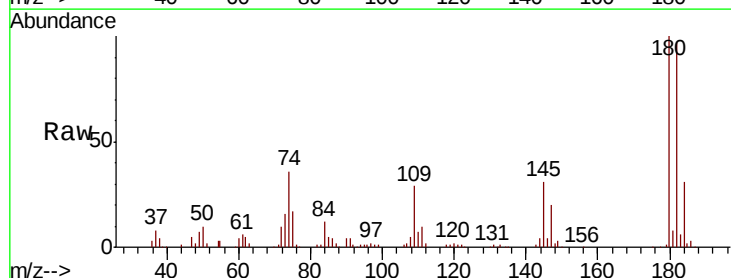
Tgt Ion:180 Resp: 130369

Ion Ratio Lower Upper

180 100

182 96.0 74.4 111.6

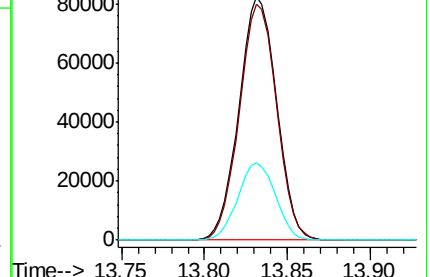
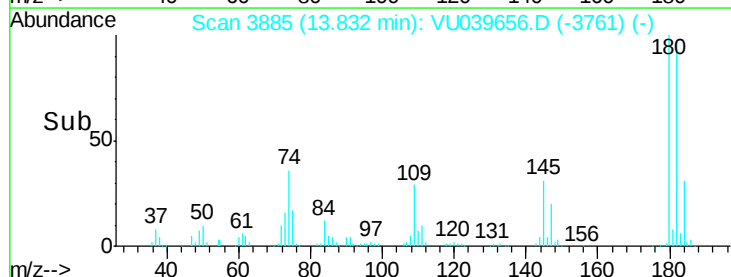
145 31.7 24.8 37.2

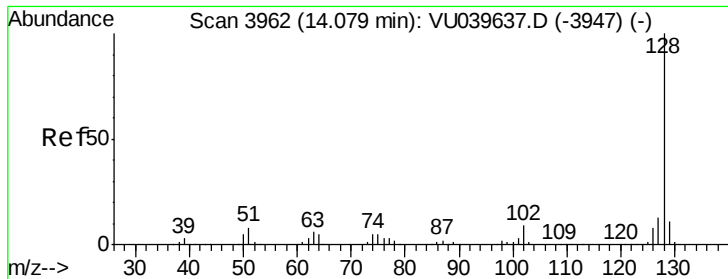


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 58.220 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

Instrument :

MSVOA_U

ClientSampleId :

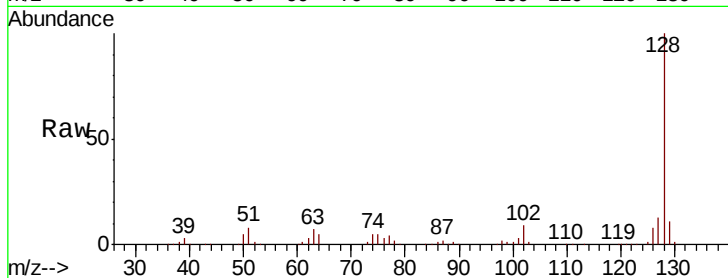
Tot Ion:128 Resp: 404432

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

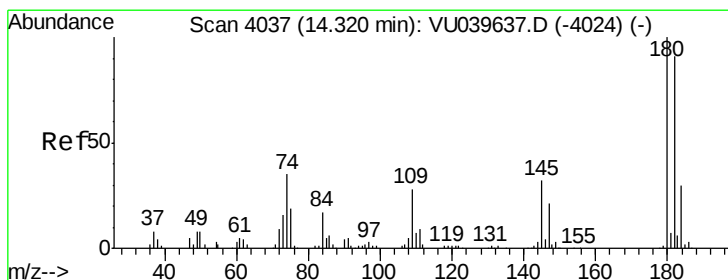
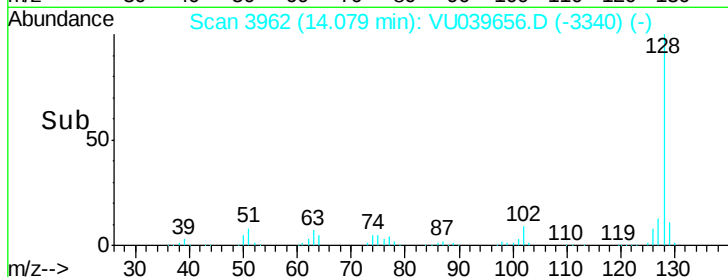
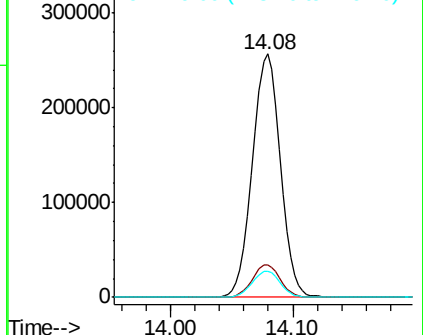
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 55.007 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039656.D

Acq: 24 Jul 2020 11:53

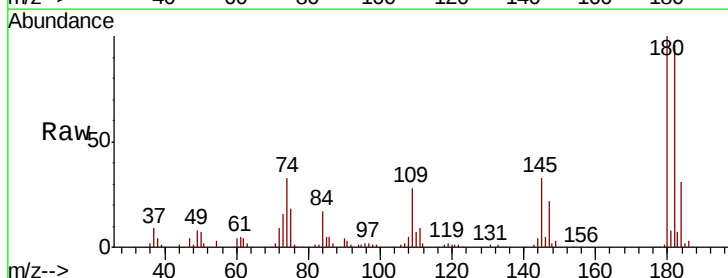
Tgt Ion:180 Resp: 128676

Ion Ratio Lower Upper

180 100

182 95.4 76.6 114.8

145 33.5 27.0 40.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

