

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041913.D
 Acq On : 11 Jan 2021 11:41
 Operator : SY/MD
 Sample : VSTD0.502
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Quant Time: Jan 12 01:14:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 01:13:33 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	116016	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	113188	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50974	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	5114	0.52	ug/L	0.00
7) Chloroethane-d5	1.92	69	4760	0.53	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.57	63	8846	0.48	ug/L	0.00
20) 2-Butanone-d5	4.66	46	12532	4.61	ug/L	0.00
24) Chloroform-d	5.08	84	9431	0.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.71	65	5180	0.55	ug/L	0.00
32) Benzene-d6	5.74	84	17511	0.52	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	5216	0.50	ug/L	0.00
41) Toluene-d8	7.90	98	14750	0.49	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	2073	0.47	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	9080	4.09	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	4736	0.51	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	5105	0.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	5128	0.457 ug/L	89
3) Chloromethane	1.52	50	6088	0.499 ug/L	91
5) Vinyl chloride	1.61	62	5663	0.427 ug/L	90
6) Bromomethane	1.86	94	3676	0.459 ug/L	98
8) Chloroethane	1.94	64	3901	0.482 ug/L	96
9) Trichlorofluoromethane	2.14	101	7840	0.458 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	4002	0.430 ug/L	98
12) 1,1-Dichloroethene	2.59	96	4139	0.457 ug/L #	77
13) Acetone	2.66	43	4469	2.614 ug/L #	47
14) Carbon disulfide	2.80	76	12160	0.430 ug/L	97
15) Methyl Acetate	2.96	43	1819	0.454 ug/L #	64
16) Methylene chloride	3.06	84	7238	0.636 ug/L	93
17) Methyl tert-butyl Ether	3.38	73	9161	0.422 ug/L	98
18) trans-1,2-Dichloroethene	3.36	96	3705	0.421 ug/L	99
19) 1,1-Dichloroethane	3.88	63	7635	0.463 ug/L	95
21) 2-Butanone	4.74	43	10822	3.952 ug/L	82
22) cis-1,2-Dichloroethene	4.68	96	4094	0.436 ug/L	98
23) Bromochloromethane	4.99	128	2003	0.457 ug/L	84
25) Chloroform	5.10	83	8303	0.483 ug/L	99
27) 1,2-Dichloroethane	5.81	62	5283	0.479 ug/L	95
29) 1,1,1-Trichloroethane	5.33	97	6976	0.472 ug/L	97
30) Cyclohexane	5.40	56	6119	0.442 ug/L	90
31) Carbon tetrachloride	5.54	117	5709	0.447 ug/L	99
33) Benzene	5.79	78	16783	0.460 ug/L	100
34) Trichloroethene	6.55	95	4348	0.454 ug/L	86
35) Methylcyclohexane	6.77	83	5441	0.387 ug/L	98
37) 1,2-Dichloropropane	6.80	63	3960	0.435 ug/L #	88
38) Bromodichloromethane	7.11	83	5105	0.419 ug/L #	96
39) cis-1,3-Dichloropropene	7.61	75	5726	0.426 ug/L	94
40) 4-Methyl-2-pentanone	7.80	43	23619	4.090 ug/L	97

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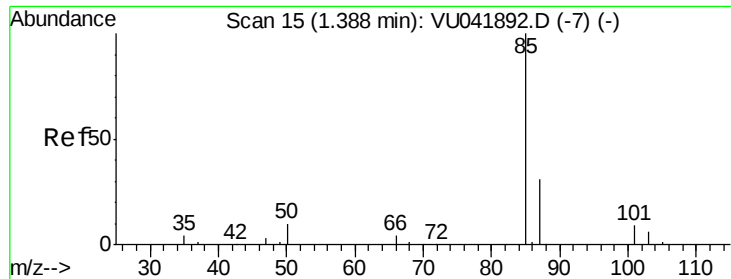
Instrument :
 MSVOA_U
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Quant Time: Jan 12 01:14:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 01:13:33 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.97	91	15521	0.412	ug/L	92
44) trans-1,3-Dichloropropene	8.22	75	4546	0.383	ug/L	86
45) 1,1,2-Trichloroethane	8.40	97	3039	0.436	ug/L #	82
47) Tetrachloroethene	8.56	164	2700	0.405	ug/L	96
48) 2-Hexanone	8.69	43	17681	4.153	ug/L	100
49) Dibromochloromethane	8.81	129	3718	0.438	ug/L	96
50) 1,2-Dibromoethane	8.93	107	2860	0.435	ug/L #	97
51) Chlorobenzene	9.45	112	10466	0.441	ug/L	95
52) Ethylbenzene	9.57	91	15530	0.391	ug/L	94
53) m,p-Xylene	9.69	106	5404	0.368	ug/L	99
54) o-Xylene	10.10	106	5070	0.357	ug/L	88
55) Styrene	10.11	104	8692	0.352	ug/L	96
56) Isopropylbenzene	10.48	105	14097	0.370	ug/L	95
58) 1,1,2,2-Tetrachloroethane	10.78	83	4042	0.443	ug/L #	87
59) 1,2,3-Trichloropropane	10.82	75	3006	0.452	ug/L	95
61) Bromoform	10.29	173	1870	0.433	ug/L #	84
62) 1,3-Dichlorobenzene	11.74	146	7205	0.445	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	7486	0.461	ug/L	95
65) 1,2-Dichlorobenzene	12.20	146	7024	0.451	ug/L #	92
66) 1,2-Dibromo-3-chloropropan	12.99	75	639	0.452	ug/L	89
67) 1,3,5-Trichlorobenzene	13.21	180	5516	0.467	ug/L	92
68) 1,2,4-trichlorobenzene	13.83	180	3372	0.379	ug/L	96
69) Naphthalene	14.08	128	4393	0.291	ug/L #	97
70) 1,2,3-Trichlorobenzene	14.32	180	3202	0.381	ug/L	92

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



#2

Dichlorodifluoromethane

Concen: 0.457 ug/L

RT: 1.39 min Scan# 14

Delta R.T. 0.00 min

Lab File: VU041913.D

Acq: 11 Jan 2021 11:41

Instrument :

MSVOA_U

ClientSampleId :

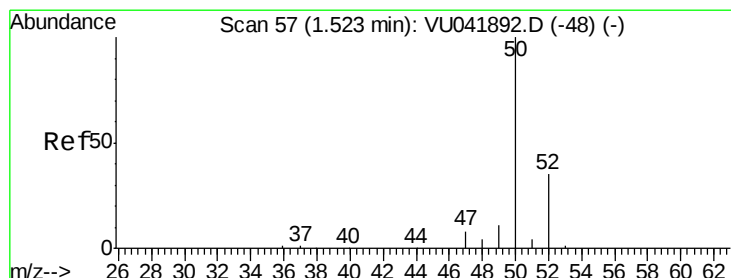
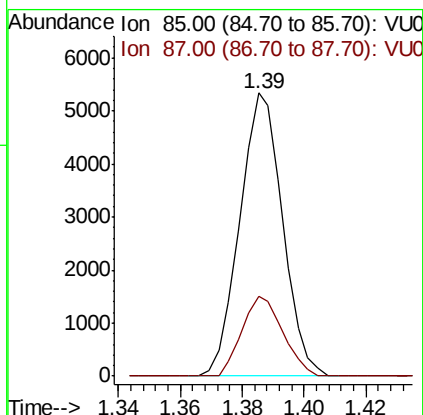
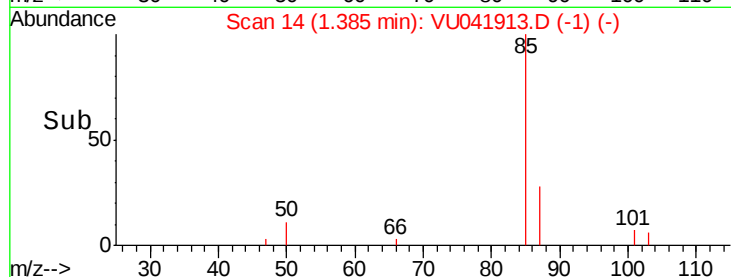
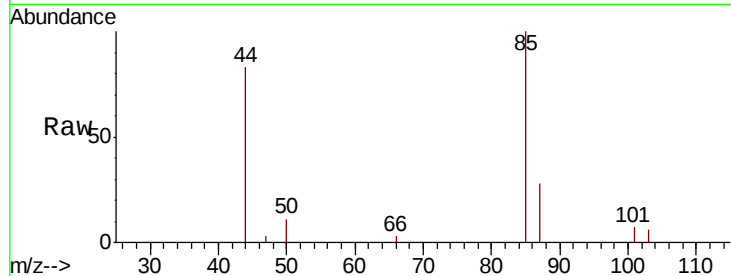
VSTD0.502

Tot Ion: 85 Resp: 5128

Ion Ratio Lower Upper

85 100

87 27.0 26.3 39.5



#3

Chloromethane

Concen: 0.499 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041913.D

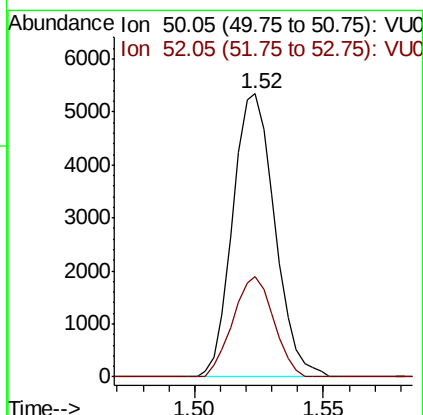
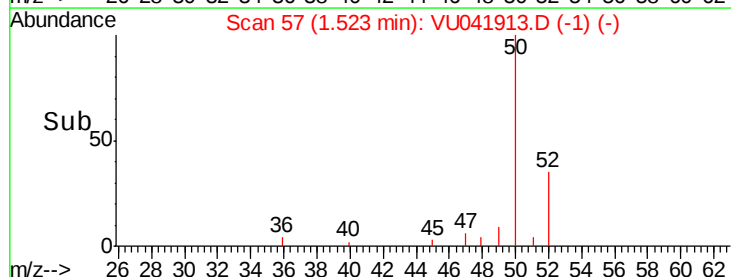
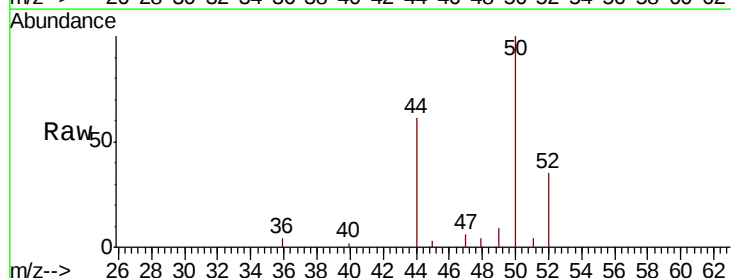
Acq: 11 Jan 2021 11:41

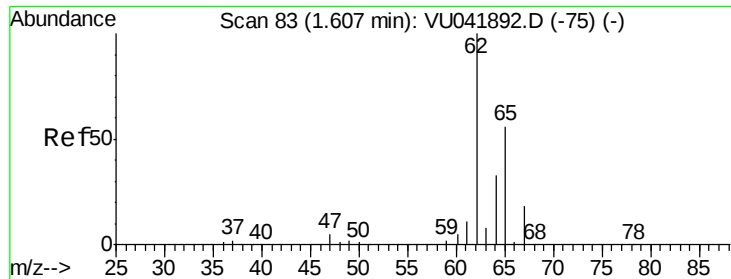
Tgt Ion: 50 Resp: 6088

Ion Ratio Lower Upper

50 100

52 35.3 21.4 39.8





#5

Vinyl chloride

Concen: 0.427 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.00 min

Lab File: VU041913.D

Acq: 11 Jan 2021 11:41

Instrument :

MSVOA_U

ClientSampleId :

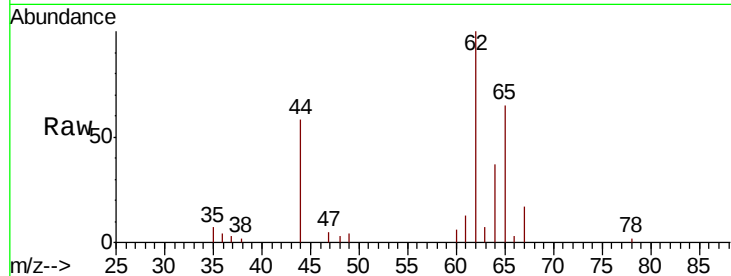
VSTD0.502

Tot Ion: 62 Resp: 5663

Ion Ratio Lower Upper

62 100

64 37.0 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VU041892.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU041892.D (-75) (-)

1.61

6000

5000

4000

3000

2000

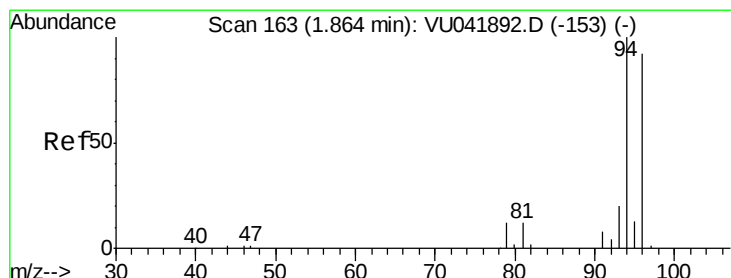
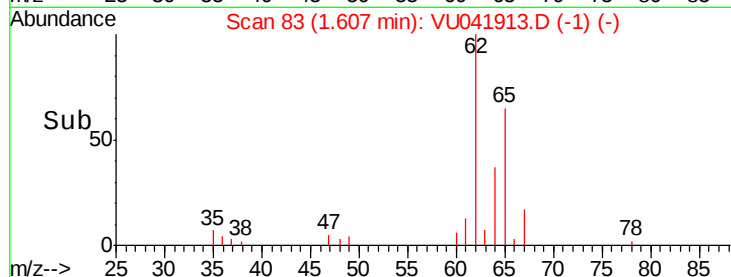
1000

0

1.60

1.65

Time-->



#6

Bromomethane

Concen: 0.459 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041913.D

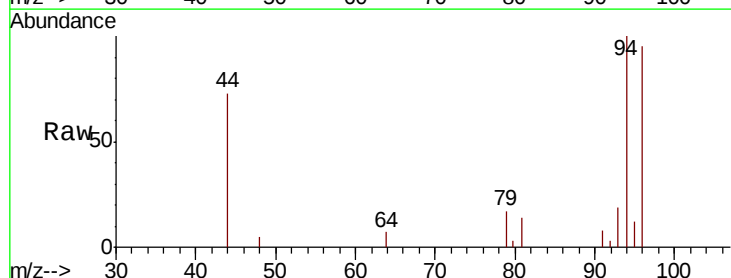
Acq: 11 Jan 2021 11:41

Tgt Ion: 94 Resp: 3676

Ion Ratio Lower Upper

94 100

96 95.3 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VU041892.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU041892.D (-153) (-)

1.86

3000

2000

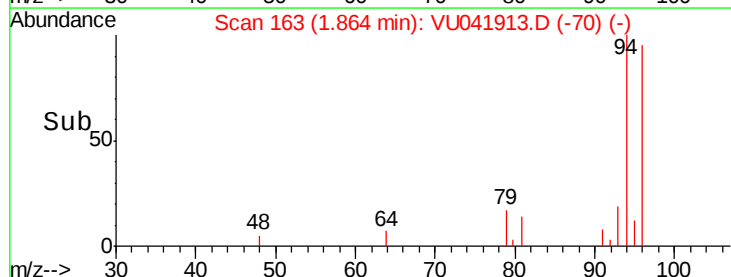
1000

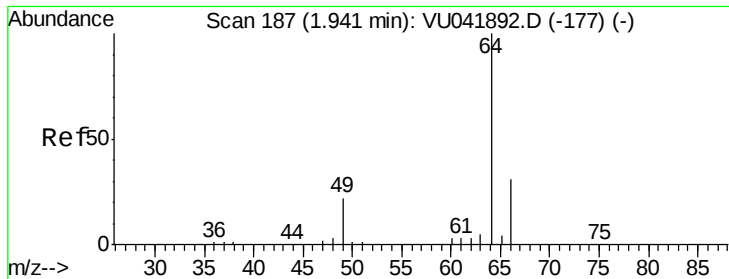
0

1.85

1.90

Time-->

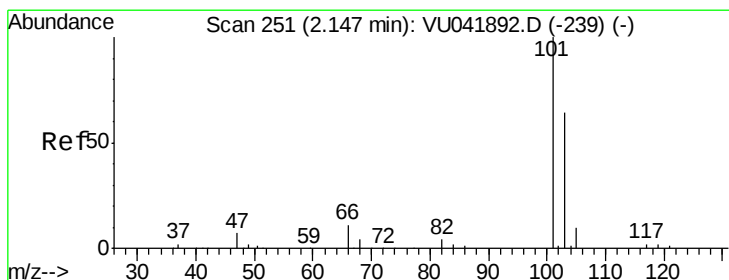
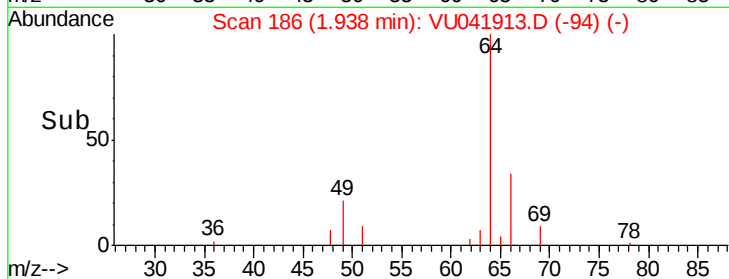
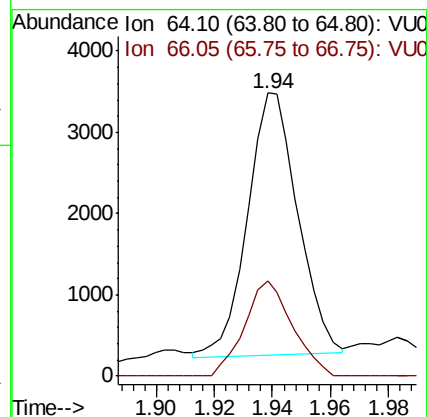
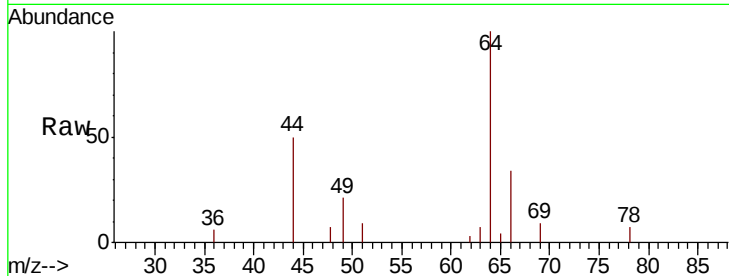




#8
Chloroethane
Concen: 0.482 ug/L
RT: 1.94 min Scan# 186
Delta R.T. -0.00 min
Lab File: VU041913.D
Acq: 11 Jan 2021 11:41

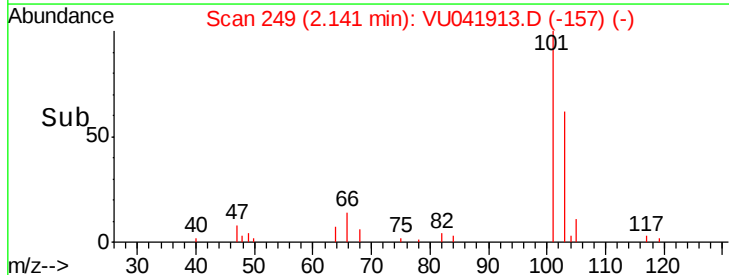
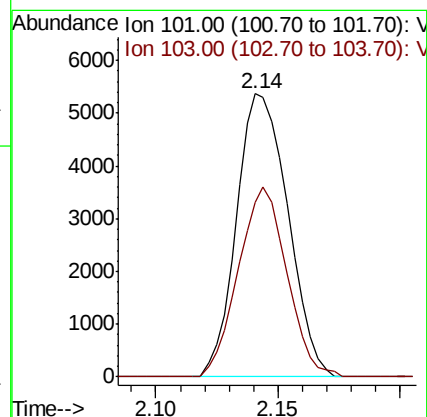
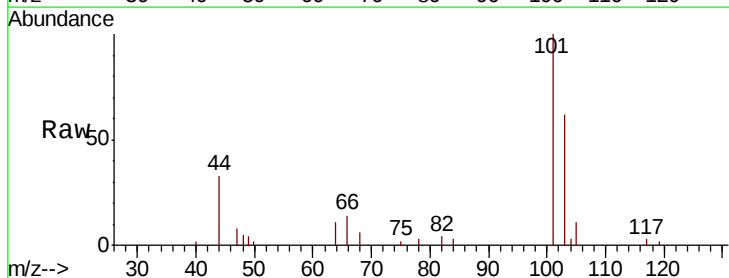
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

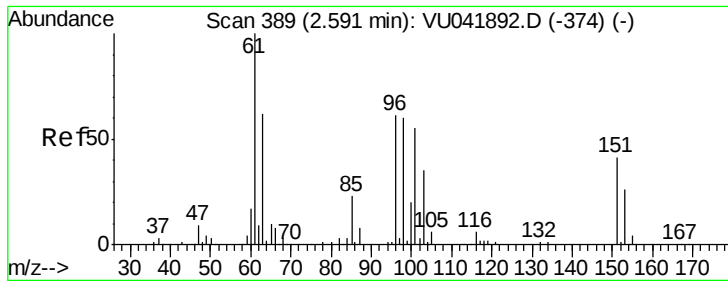
Tot Ion: 64 Resp: 3901
Ion Ratio Lower Upper
64 100
66 33.7 22.1 41.1



#9
Trichlorofluoromethane
Concen: 0.458 ug/L
RT: 2.14 min Scan# 249
Delta R.T. -0.00 min
Lab File: VU041913.D
Acq: 11 Jan 2021 11:41

Tgt Ion: 101 Resp: 7840
Ion Ratio Lower Upper
101 100
103 63.3 51.3 76.9





#10

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

Concen: 0.430 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041913.D

Acq: 11 Jan 2021 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

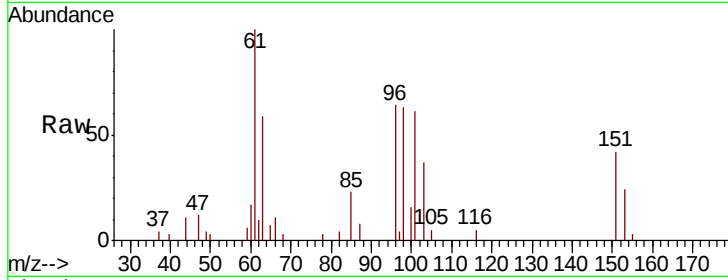
Tot Ion:101 Resp: 4002

Ion Ratio Lower Upper

101 100

85 41.3 35.1 52.7

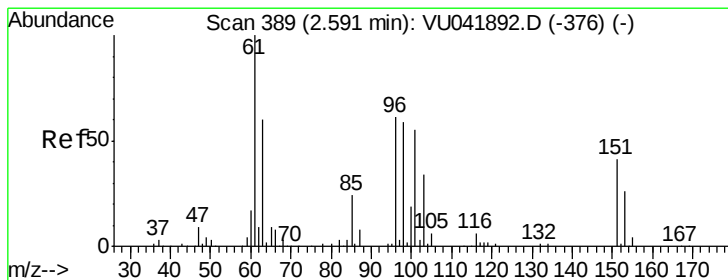
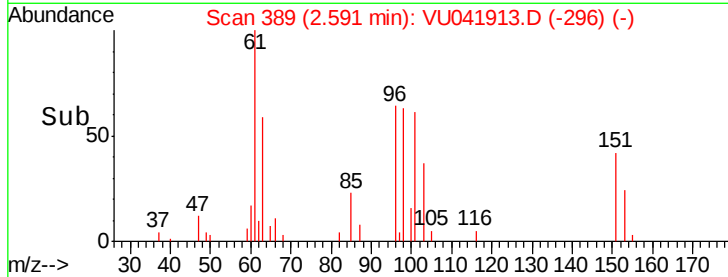
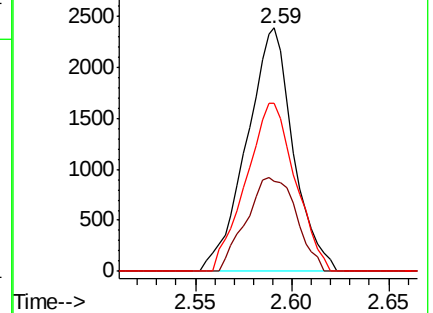
151 73.1 58.2 87.2



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: 0.457 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041913.D

Acq: 11 Jan 2021 11:41

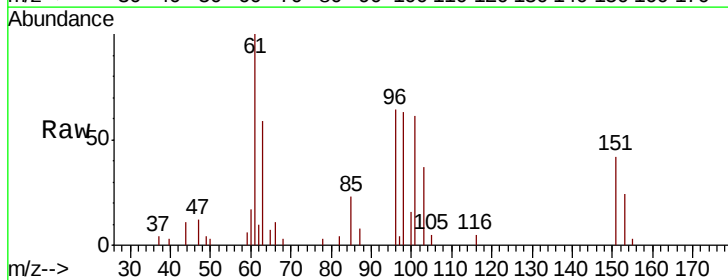
Tgt Ion: 96 Resp: 4139

Ion Ratio Lower Upper

96 100

61 157.0 123.5 229.4

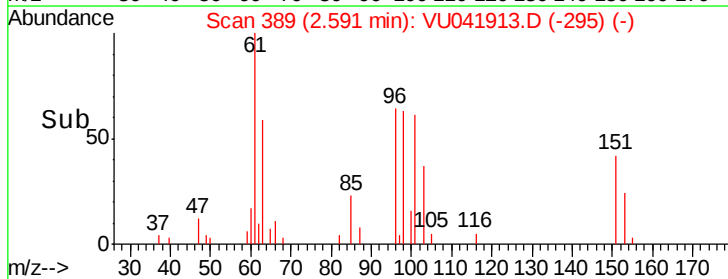
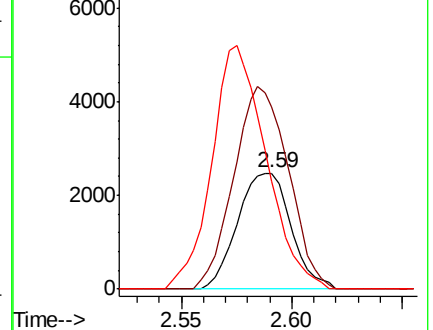
63 92.6 93.5 173.7#

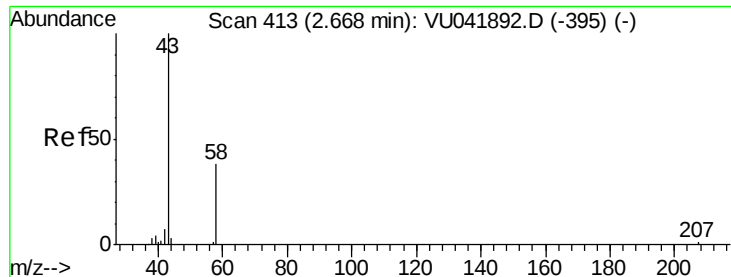


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.614 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU041913.D

Acq: 11 Jan 2021 11:41

Instrument :

MSVOA_U

ClientSampleId :

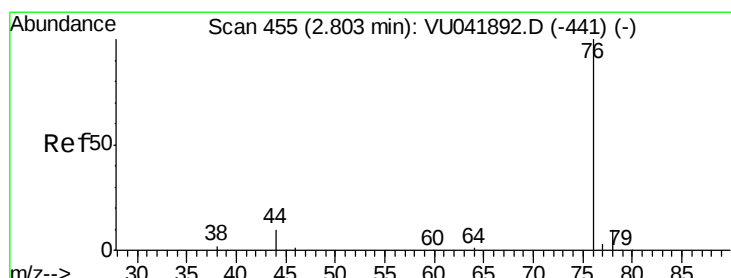
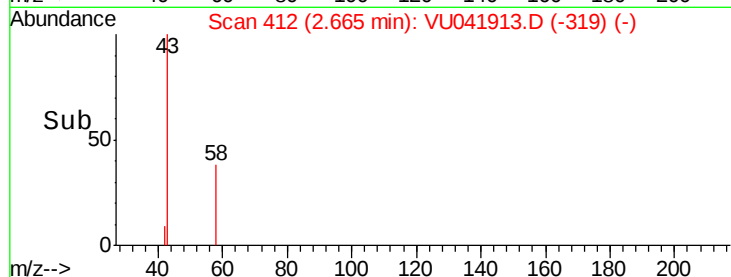
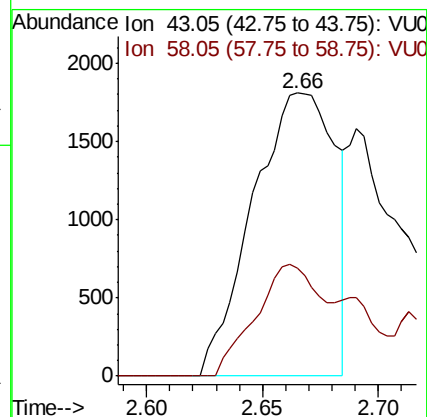
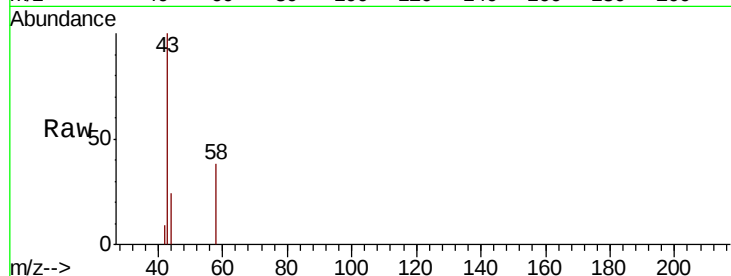
VSTD0.502

Tot Ion: 43 Resp: 4469

Ion Ratio Lower Upper

43 100

58 32.4 0.0 23.6#



#14

Carbon disulfide

Concen: 0.430 ug/L

RT: 2.80 min Scan# 454

Delta R.T. -0.00 min

Lab File: VU041913.D

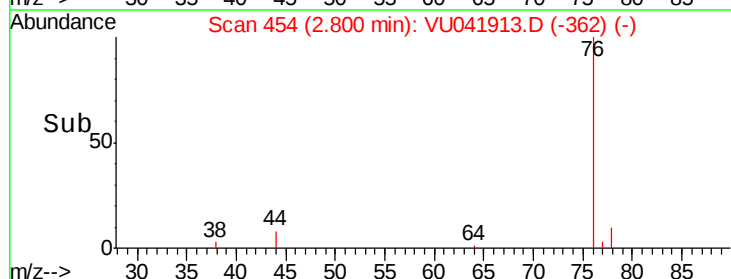
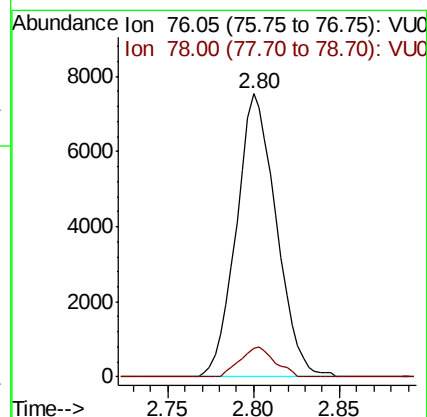
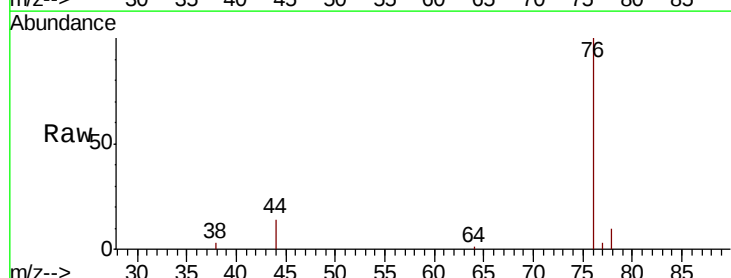
Acq: 11 Jan 2021 11:41

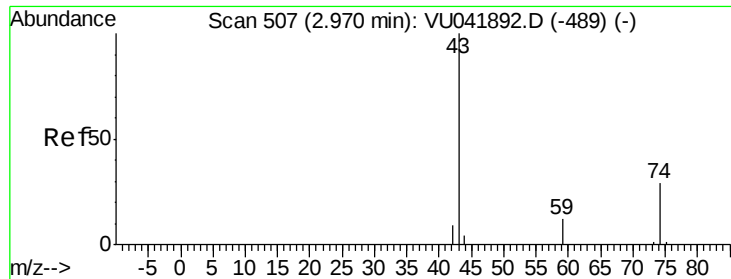
Tgt Ion: 76 Resp: 12160

Ion Ratio Lower Upper

76 100

78 9.9 7.2 10.8





#15

Methyl Acetate

Concen: 0.454 ug/L

RT: 2.96 min Scan# 505

Delta R.T. -0.00 min

Lab File: VU041913.D

Acq: 11 Jan 2021 11:41

Instrument :

MSVOA_U

ClientSampleId :

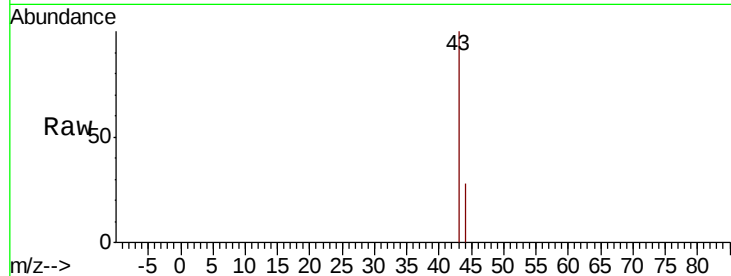
VSTD0.502

Tot Ion: 43 Resp: 1819

Ion Ratio Lower Upper

43 100

74 6.9 19.8 29.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.96

800

600

400

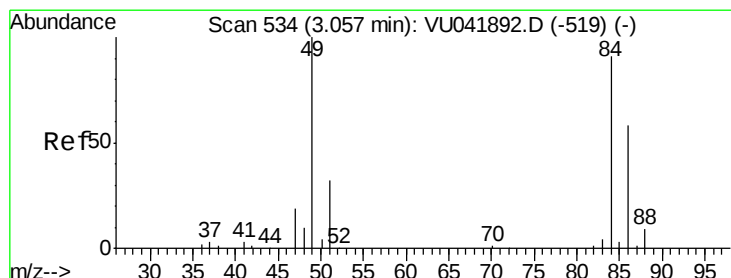
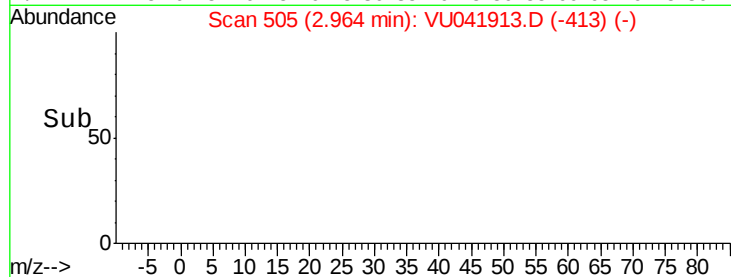
200

0

2.95

3.00

Time-->



#16

Methylene chloride

Concen: 0.636 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU041913.D

Acq: 11 Jan 2021 11:41

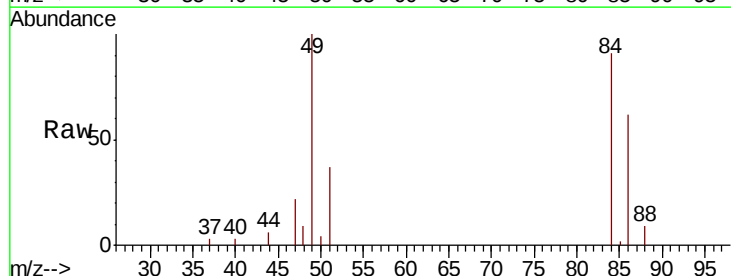
Tgt Ion: 84 Resp: 7238

Ion Ratio Lower Upper

84 100

86 68.0 43.5 80.7

49 109.4 81.8 151.8



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

5000

4000

3000

2000

1000

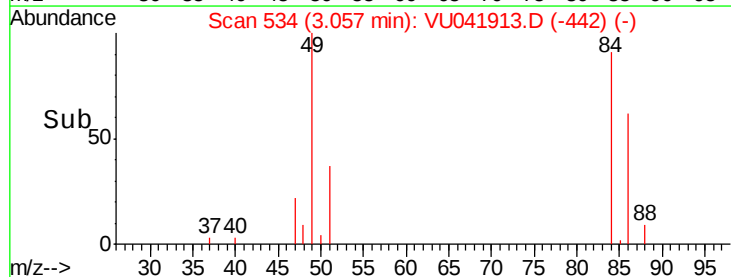
0

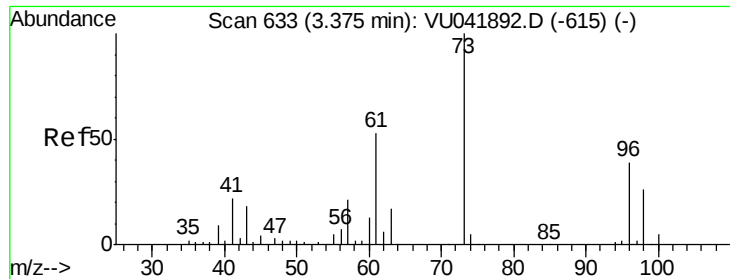
3.00

3.05

3.10

Time-->



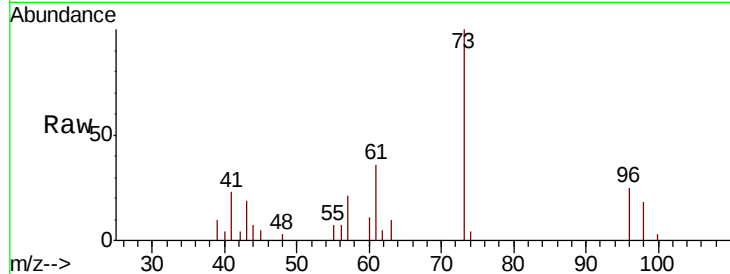


#17

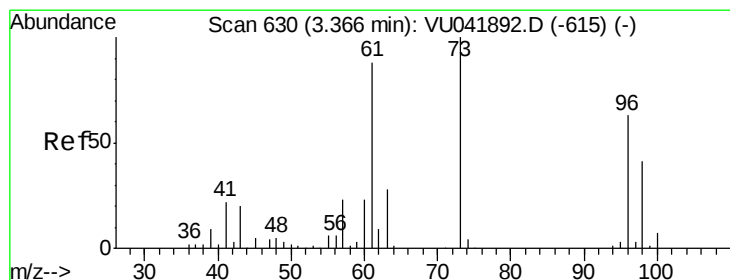
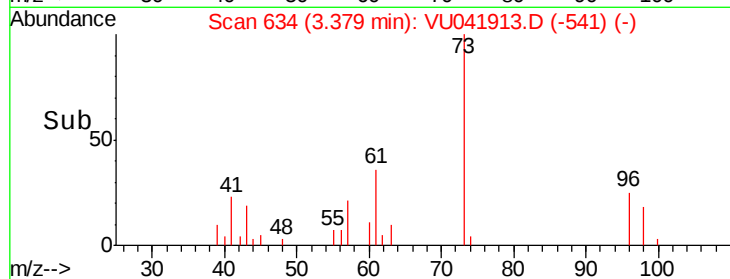
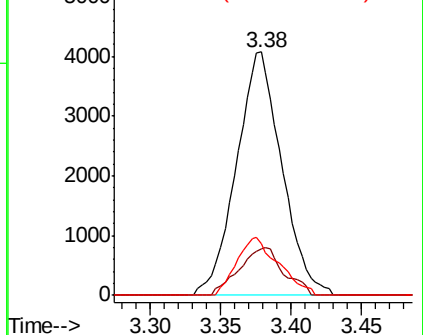
Methvl tert-butvl Ether
 Concen: 0.422 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VU041913.D
 Acq: 11 Jan 2021 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tot Ion: 73 Resp: 9161
 Ion Ratio Lower Upper
 73 100
 43 19.1 15.8 23.8
 57 22.0 18.3 27.5



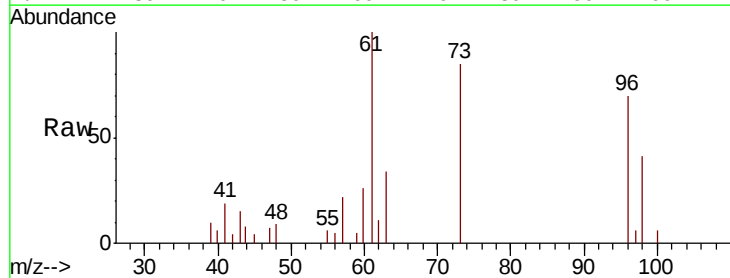
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



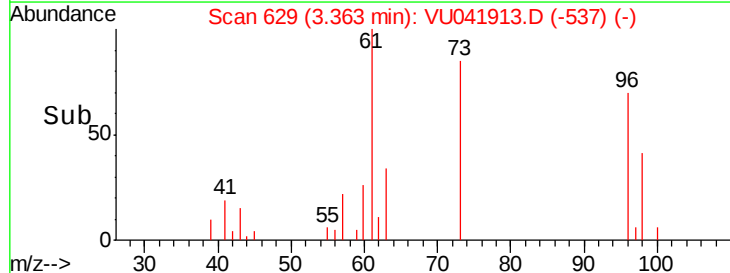
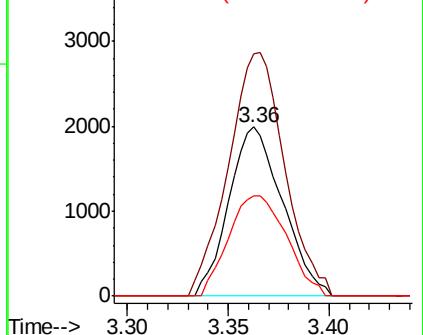
#18

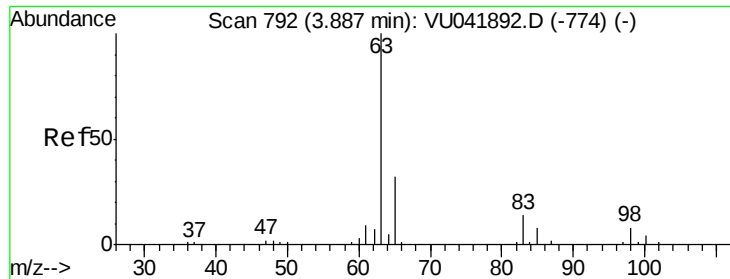
trans-1,2-Dichloroethene
 Concen: 0.421 ug/L
 RT: 3.36 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VU041913.D
 Acq: 11 Jan 2021 11:41

Tgt Ion: 96 Resp: 3705
 Ion Ratio Lower Upper
 96 100
 61 143.0 100.7 187.1
 98 59.2 43.0 80.0



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

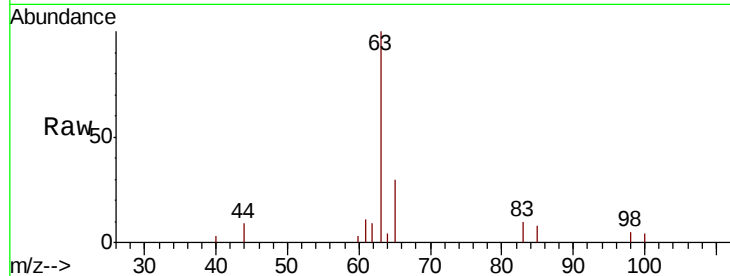




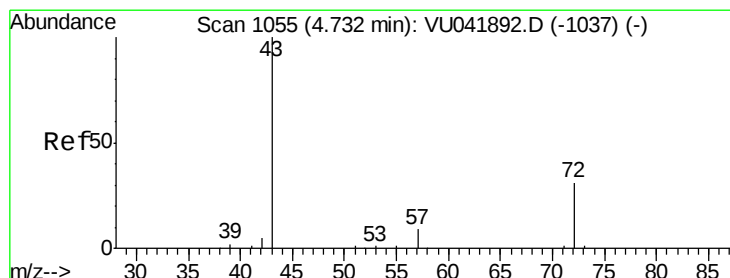
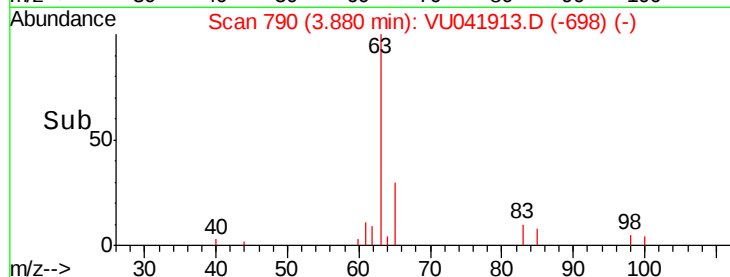
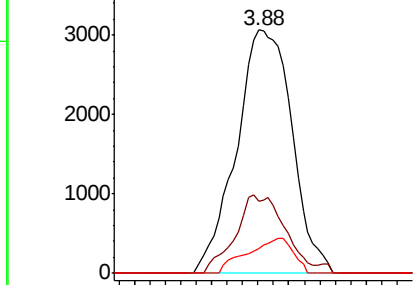
#19
 1,1-Dichloroethane
 Concen: 0.463 ug/L
 RT: 3.88 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: VU041913.D
 Acq: 11 Jan 2021 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tot Ion: 63 Resp: 7635
 Ion Ratio Lower Upper
 63 100
 65 29.8 22.3 41.5
 83 10.3 9.0 16.8

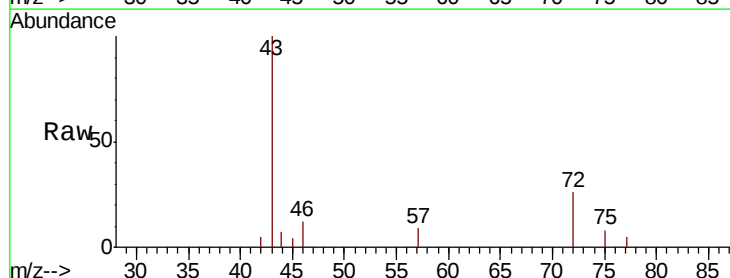


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

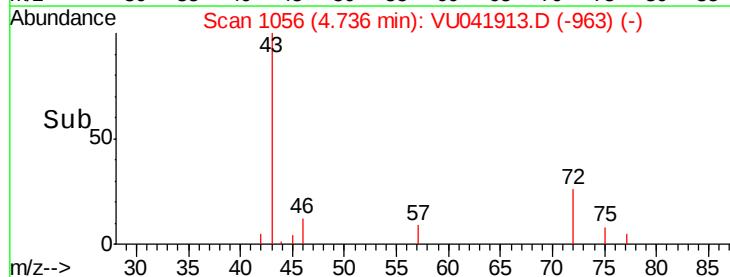
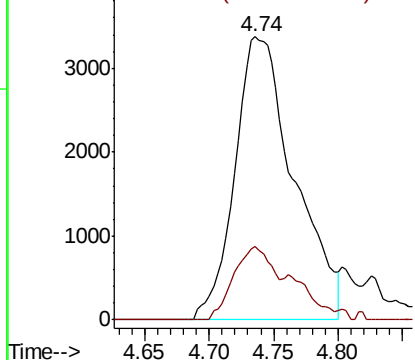


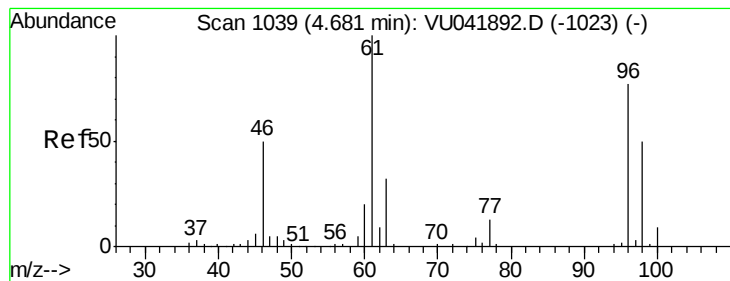
#21
 2-Butanone
 Concen: 3.952 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VU041913.D
 Acq: 11 Jan 2021 11:41

Tgt Ion: 43 Resp: 10822
 Ion Ratio Lower Upper
 43 100
 72 18.0 13.6 40.8



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





#22

cis-1,2-Dichloroethene

Concen: 0.436 ug/L

RT: 4.68 min Scan# 1038

Delta R.T. -0.01 min

Lab File: VU041913.D

Acq: 11 Jan 2021 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

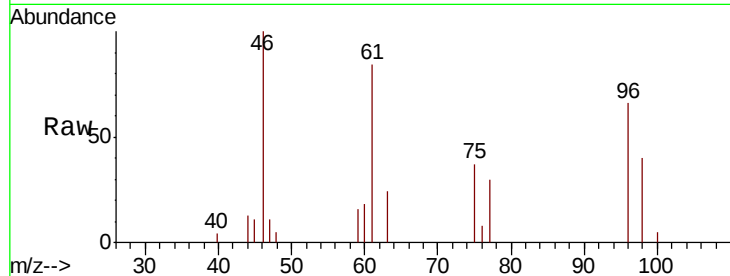
Tot Ion: 96 Resp: 4094

Ion Ratio Lower Upper

96 100

61 127.0 90.3 167.7

68 0.0 0.0 0.0

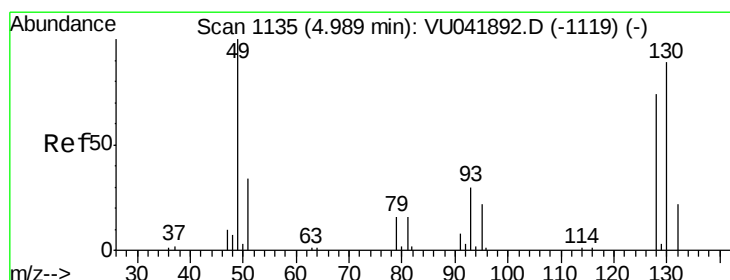
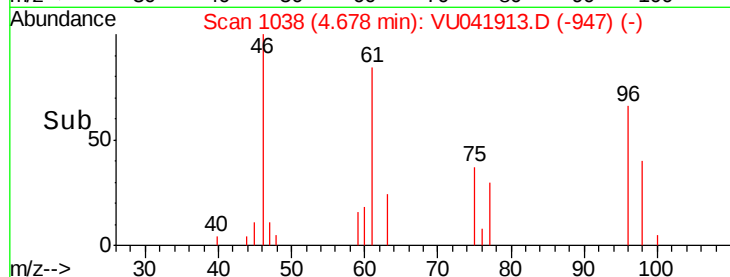
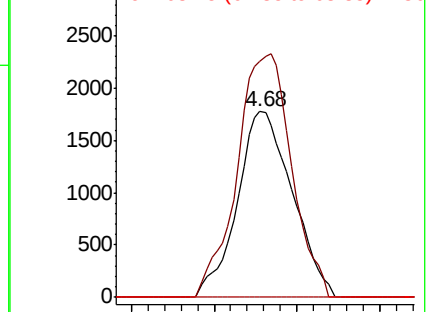


Abundance

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: 0.457 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041913.D

Acq: 11 Jan 2021 11:41

Tgt Ion: 128 Resp: 2003

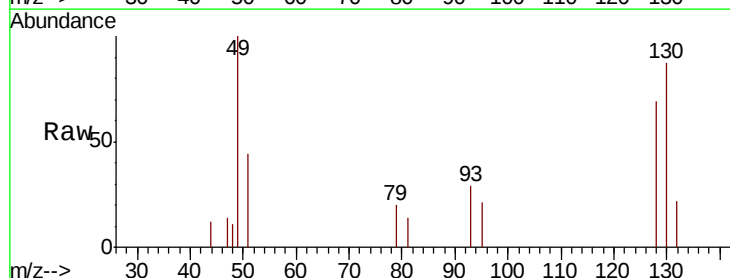
Ion Ratio Lower Upper

128 100

49 144.0 124.0 230.4

130 125.0 94.0 174.6

51 63.1 45.0 67.4



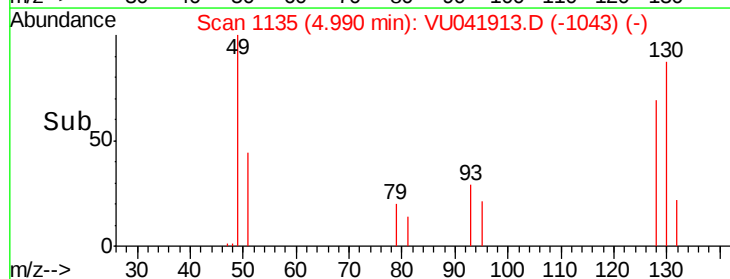
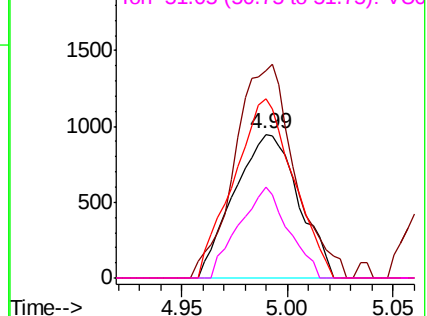
Abundance

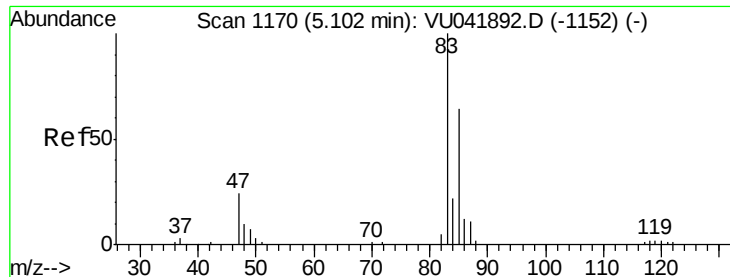
Ion 127.90 (127.60 to 128.60): V

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

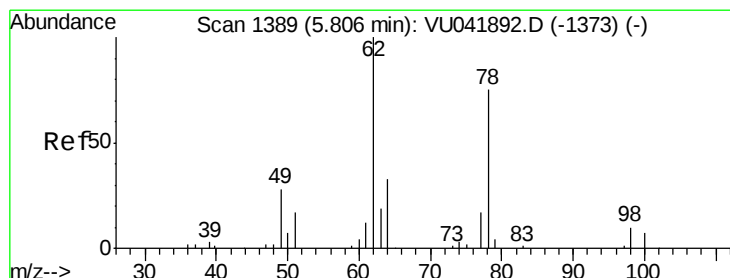
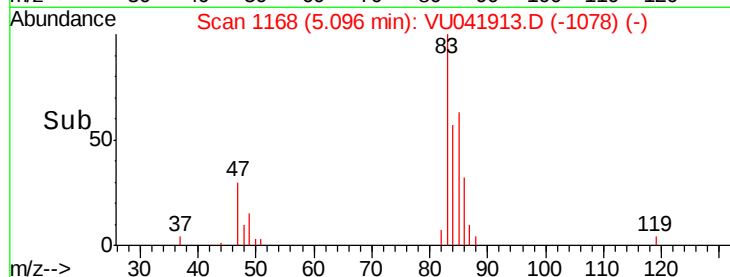
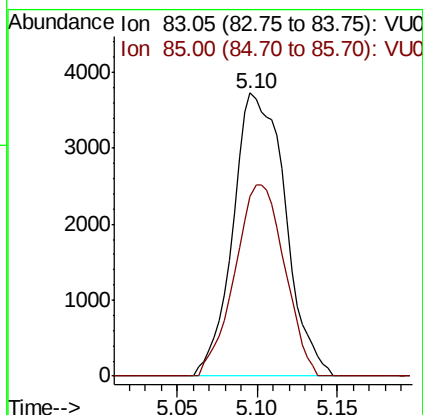
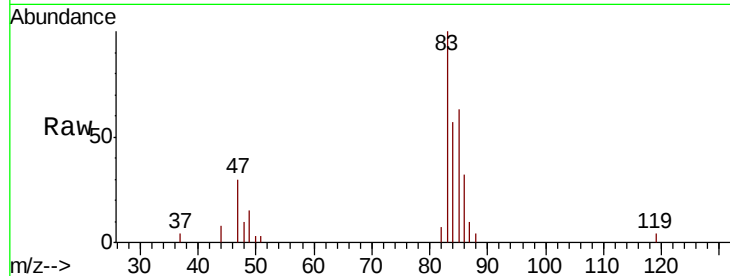




#25
Chloroform
Concen: 0.483 ug/L
RT: 5.10 min Scan# 1168
Delta R.T. -0.01 min
Lab File: VU041913.D
Acq: 11 Jan 2021 11:41

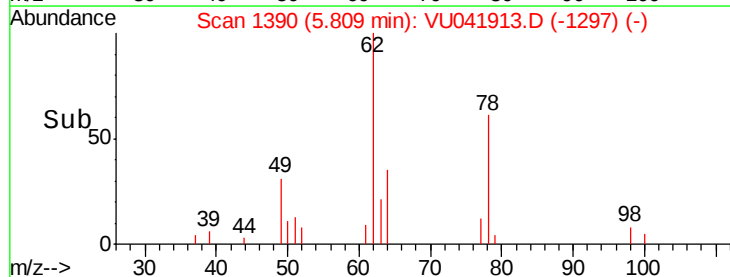
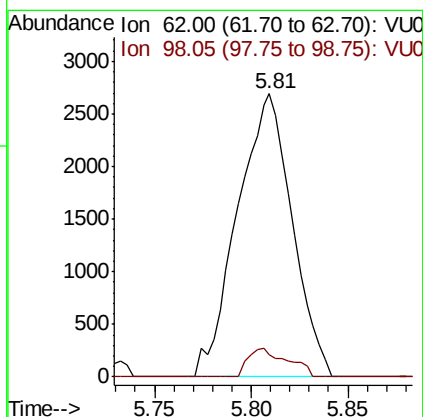
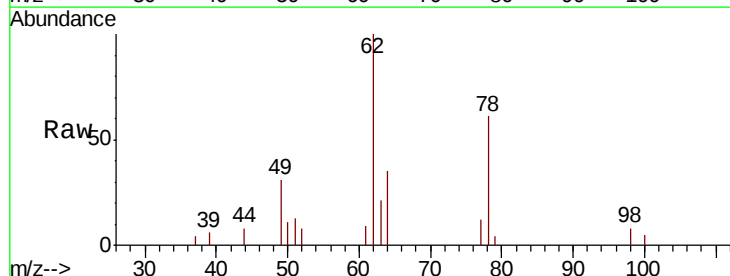
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

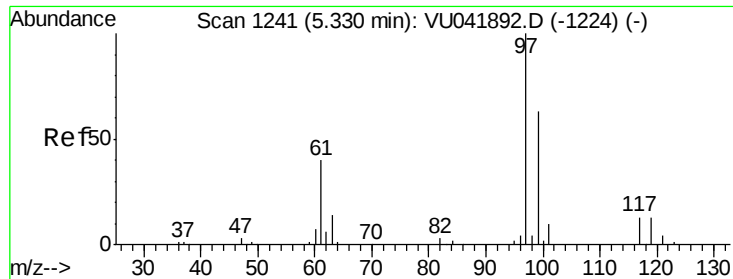
Tot Ion: 83 Resp: 8303
Ion Ratio Lower Upper
83 100
85 63.4 45.1 83.9



#27
1,2-Dichloroethane
Concen: 0.479 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041913.D
Acq: 11 Jan 2021 11:41

Tgt Ion: 62 Resp: 5283
Ion Ratio Lower Upper
62 100
98 8.1 7.8 11.8

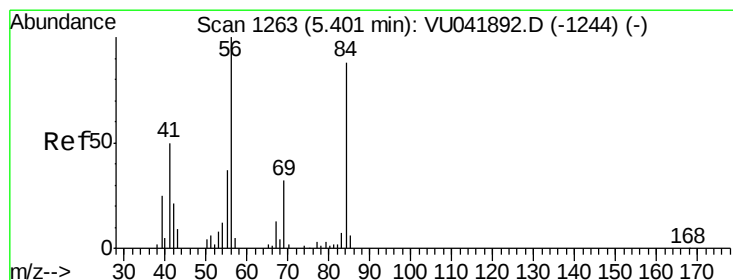
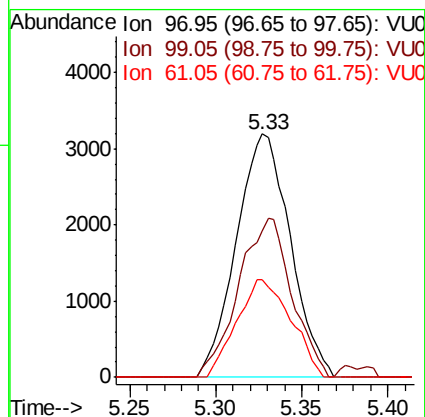
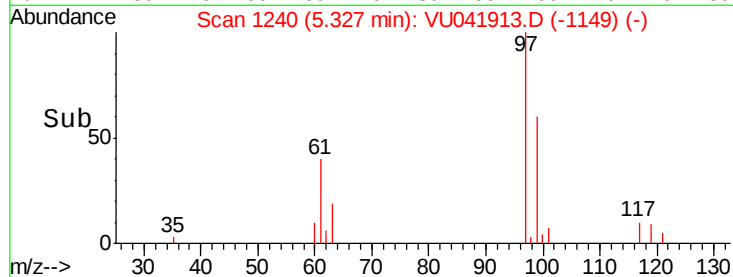
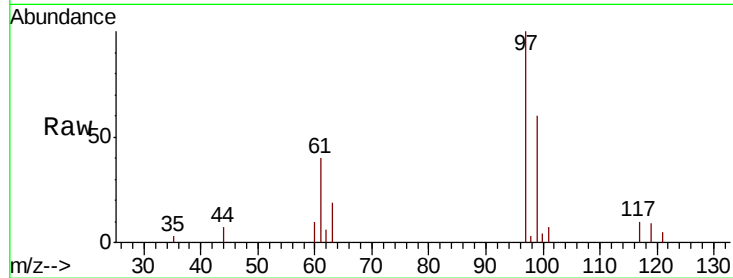




#29
1,1,1-Trichloroethane
Concen: 0.472 ug/L
RT: 5.33 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VU041913.D
Acq: 11 Jan 2021 11:41

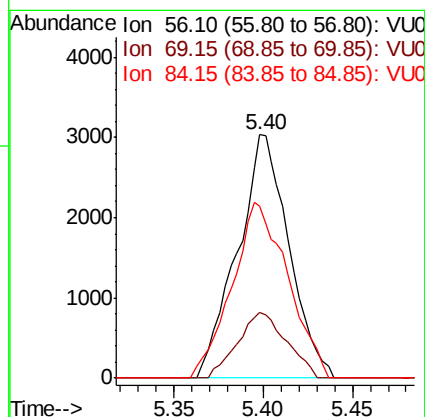
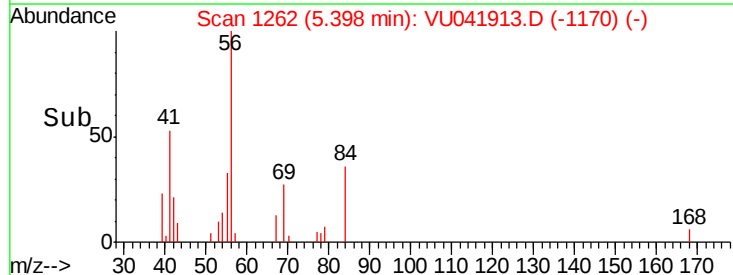
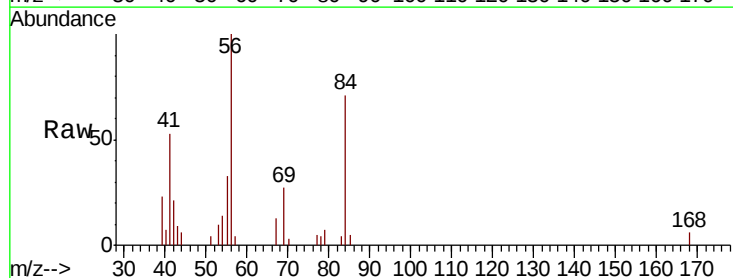
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

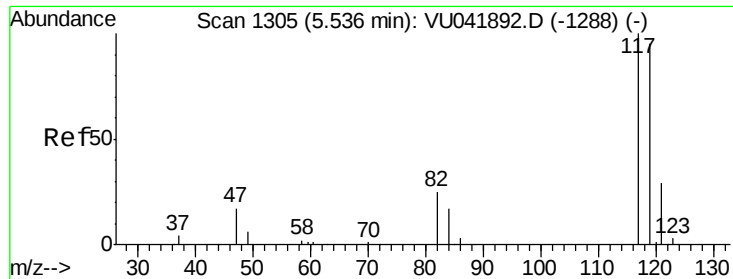
Tot Ion: 97 Resp: 6976
Ion Ratio Lower Upper
97 100
99 64.5 51.4 77.2
61 40.0 35.3 52.9



#30
Cyclohexane
Concen: 0.442 ug/L
RT: 5.40 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VU041913.D
Acq: 11 Jan 2021 11:41

Tgt Ion: 56 Resp: 6119
Ion Ratio Lower Upper
56 100
69 25.5 24.4 36.6
84 78.0 69.8 104.6





#31

Carbon tetrachloride

Concen: 0.447 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041913.D

Acq: 11 Jan 2021 11:41

Instrument :

MSVOA_U

ClientSampleId :

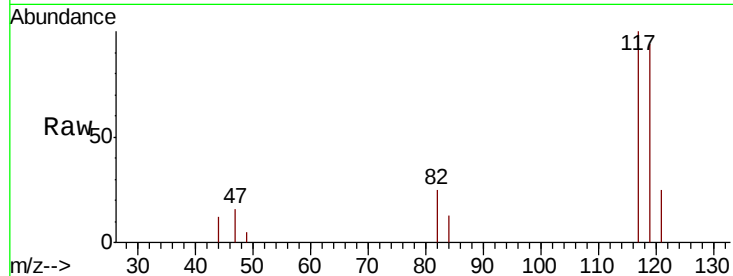
VSTD0.502

Tot Ion:117 Resp: 5709

Ion Ratio Lower Upper

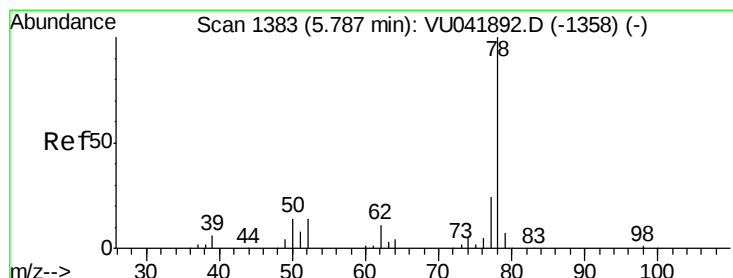
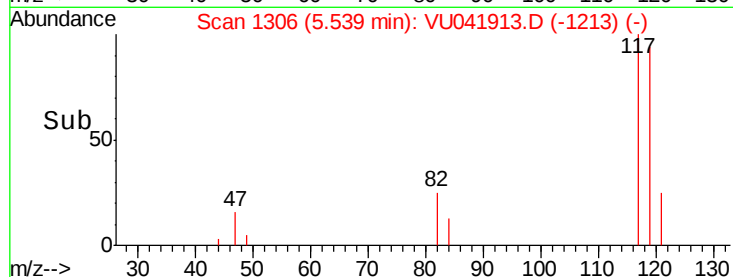
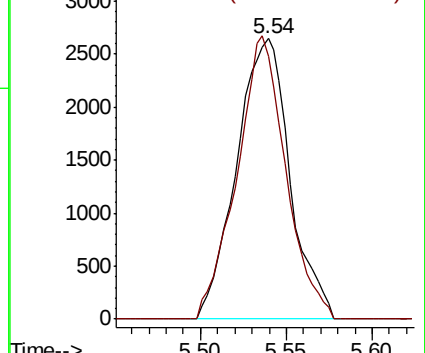
117 100

119 92.4 75.0 112.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.460 ug/L

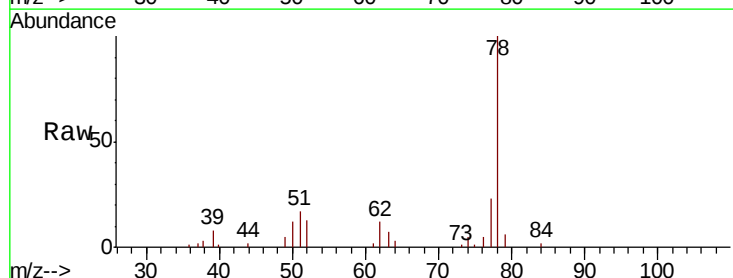
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

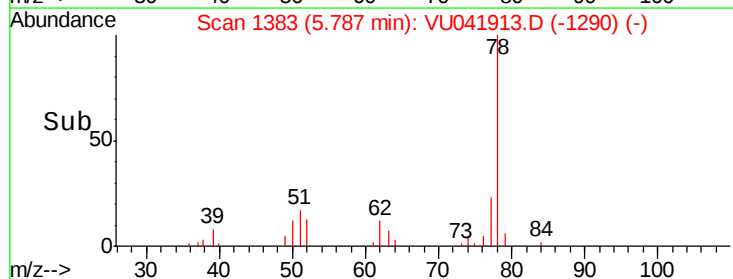
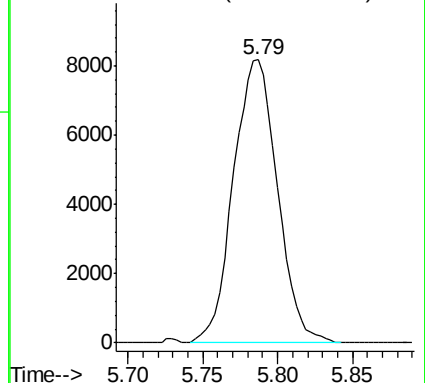
Lab File: VU041913.D

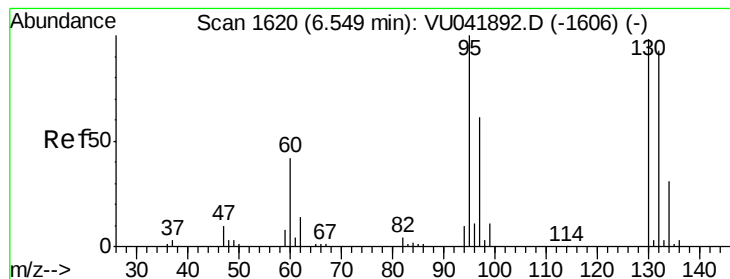
Acq: 11 Jan 2021 11:41

Tgt Ion: 78 Resp: 16783



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.454 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VU041913.D

Acq: 11 Jan 2021 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

Tot Ion: 95 Resp: 4348

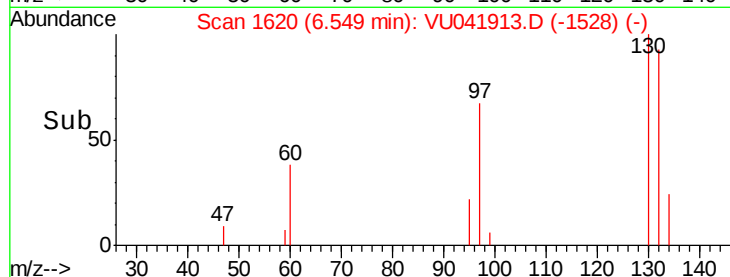
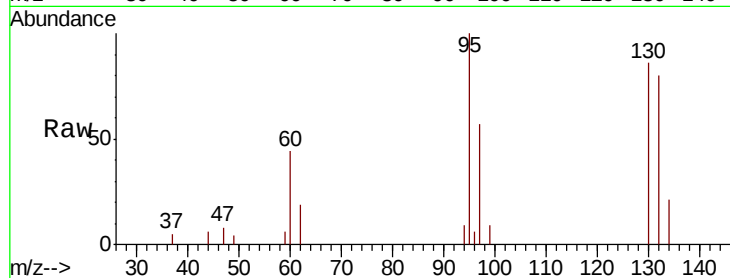
Ion Ratio Lower Upper

95 100

97 57.0 45.2 84.0

132 79.6 68.7 127.5

130 85.6 68.0 126.4

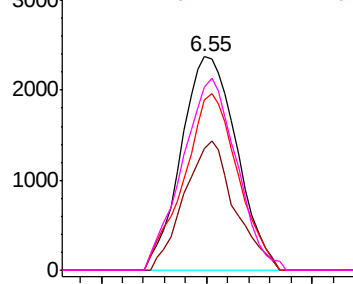


Abundance Ion 95.00 (94.70 to 95.70): VU0

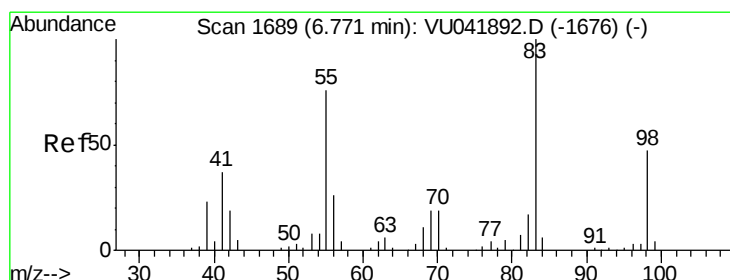
Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



Time-->



#35

Methylcyclohexane

Concen: 0.387 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU041913.D

Acq: 11 Jan 2021 11:41

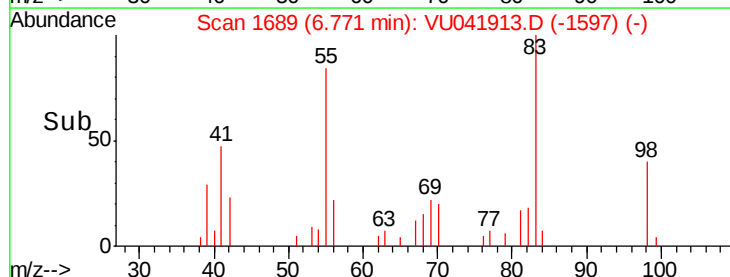
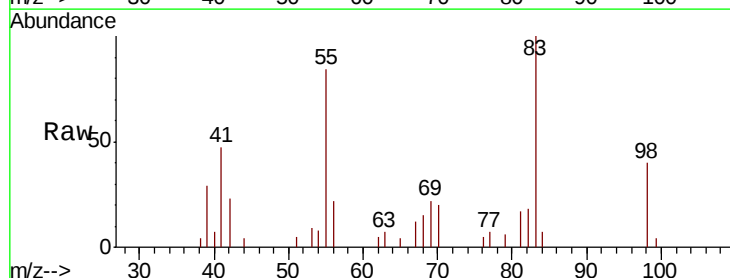
Tgt Ion: 83 Resp: 5441

Ion Ratio Lower Upper

83 100

55 80.0 64.3 96.5

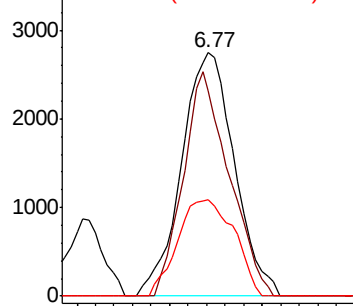
98 42.4 36.6 54.8



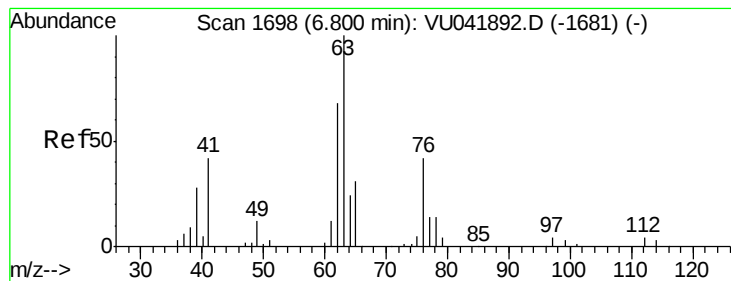
Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



Time-->



#37

1,2-Dichloropropane

Concen: 0.435 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU041913.D

Acq: 11 Jan 2021 11:41

Instrument :

MSVOA_U

ClientSampleId :

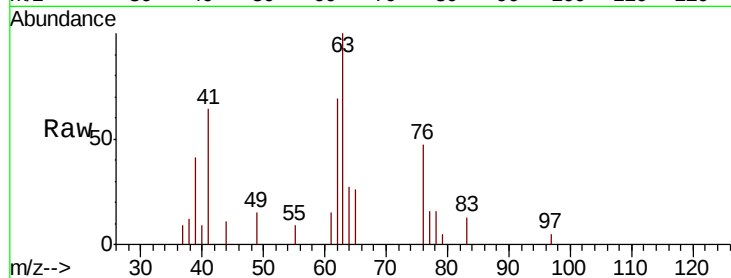
VSTD0.502

Tot Ion: 63 Resp: 3960

Ion Ratio Lower Upper

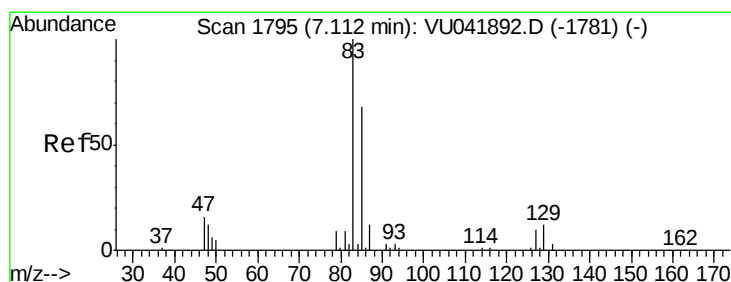
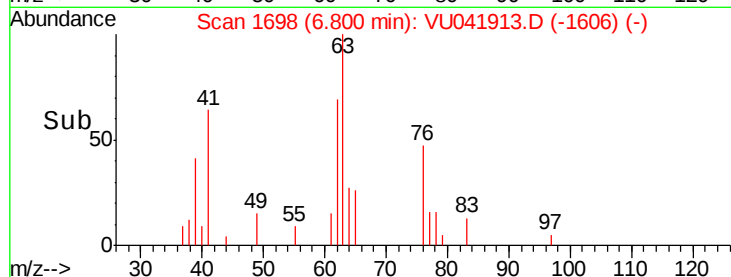
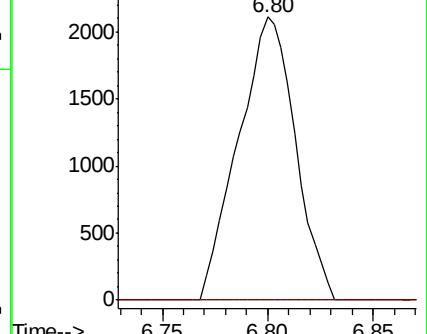
63 100

112 0.0 3.3 4.9#



Abundance Ion 63.10 (62.80 to 63.80): VU041913.D (-1606) (-)

Ion 112.10 (111.80 to 112.80): VU041913.D (-1606) (-)



#38

Bromodichloromethane

Concen: 0.419 ug/L

RT: 7.11 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VU041913.D

Acq: 11 Jan 2021 11:41

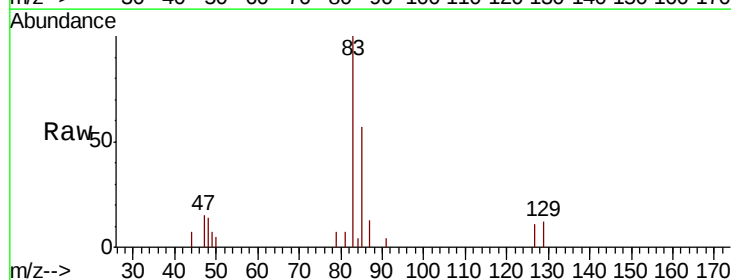
Tgt Ion: 83 Resp: 5105

Ion Ratio Lower Upper

83 100

85 57.2 42.1 78.3

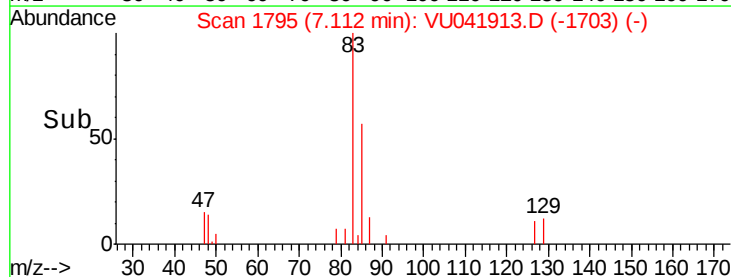
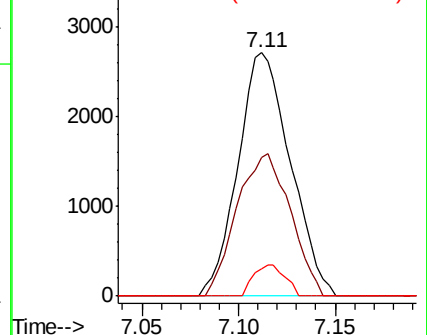
127 11.2 7.0 10.4#

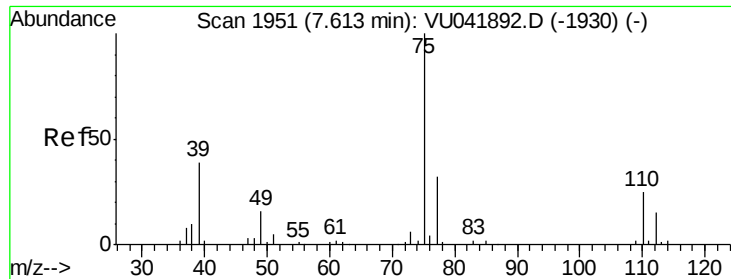


Abundance Ion 82.95 (82.65 to 83.65): VU041913.D (-1703) (-)

Ion 85.00 (84.70 to 85.70): VU041913.D (-1703) (-)

Ion 126.90 (126.60 to 127.60): VU041913.D (-1703) (-)

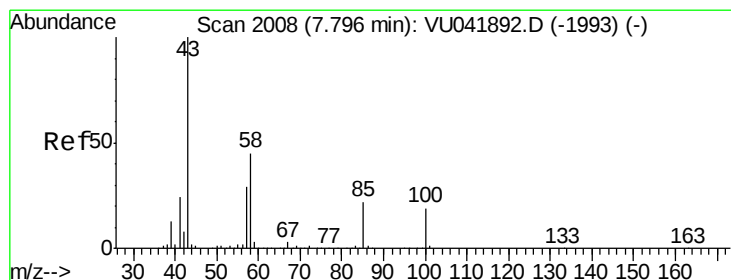
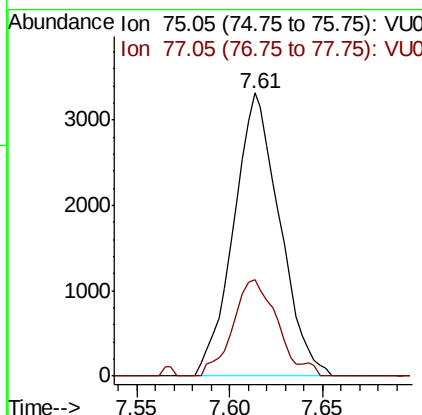
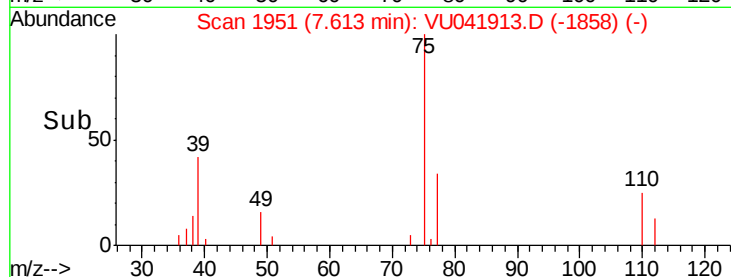
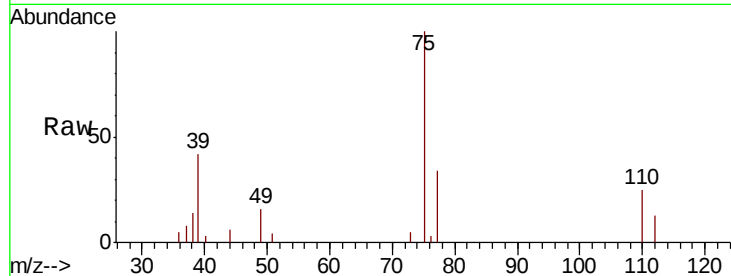




#39
 cis-1,3-Dichloropropene
 Concen: 0.426 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041913.D
 Acq: 11 Jan 2021 11:41

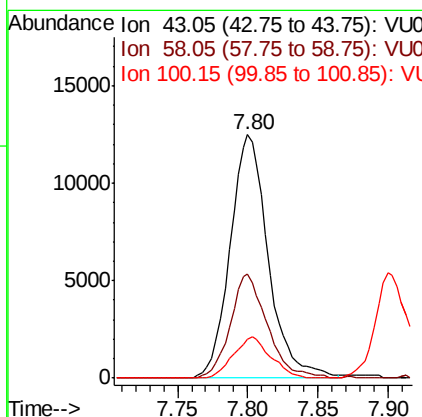
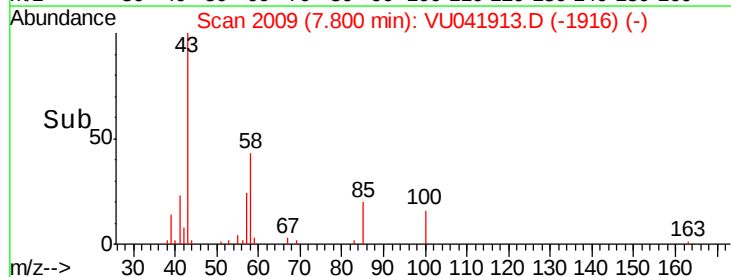
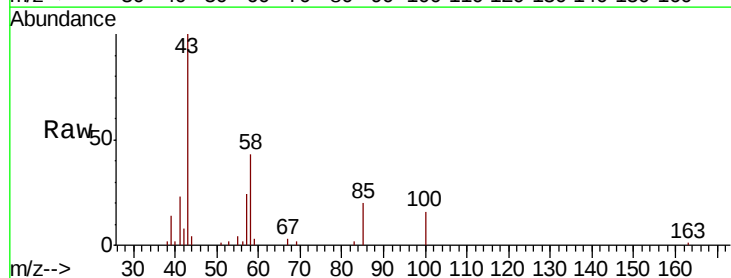
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

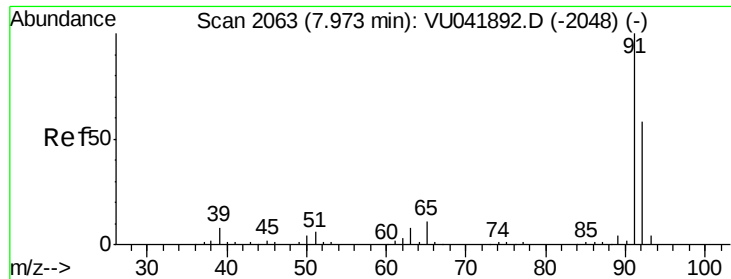
Tot Ion: 75 Resp: 5726
 Ion Ratio Lower Upper
 75 100
 77 33.9 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 4.090 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041913.D
 Acq: 11 Jan 2021 11:41

Tgt Ion: 43 Resp: 23619
 Ion Ratio Lower Upper
 43 100
 58 41.3 35.0 52.4
 100 16.6 13.3 19.9





#42

Toluene

Concen: 0.412 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041913.D

Acq: 11 Jan 2021 11:41

Instrument :

MSVOA_U

ClientSampleId :

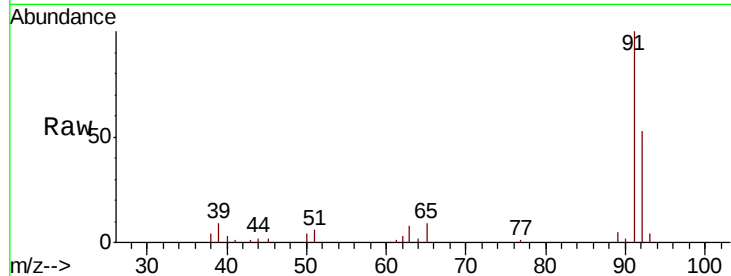
VSTD0.502

Tot Ion: 91 Resp: 15521

Ion Ratio Lower Upper

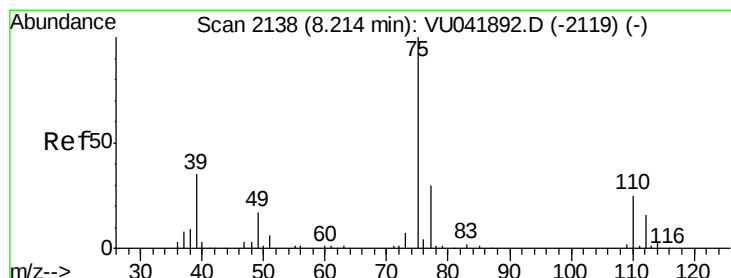
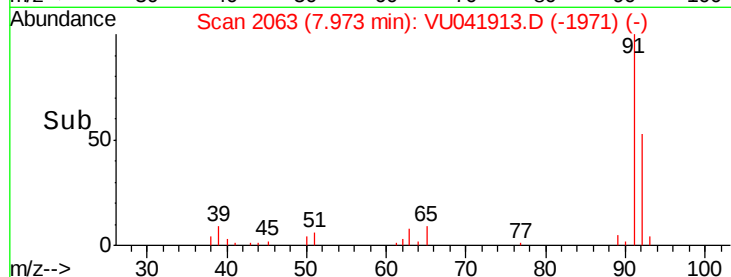
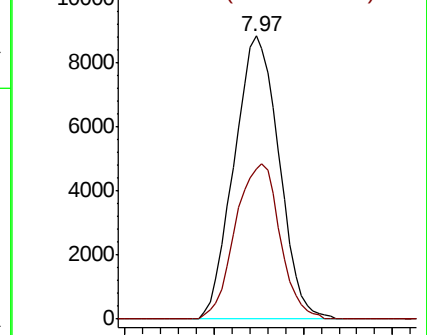
91 100

92 53.0 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.383 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041913.D

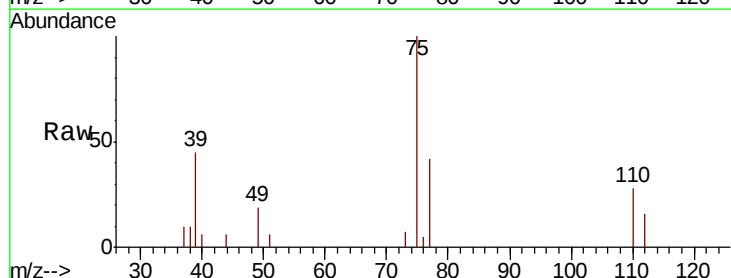
Acq: 11 Jan 2021 11:41

Tgt Ion: 75 Resp: 4546

Ion Ratio Lower Upper

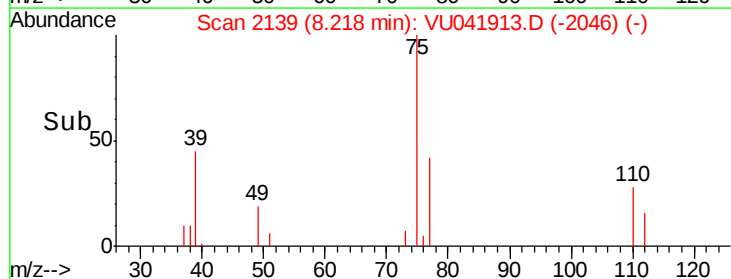
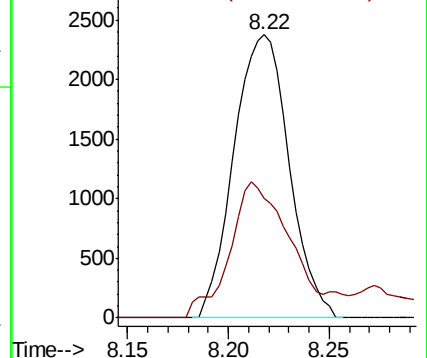
75 100

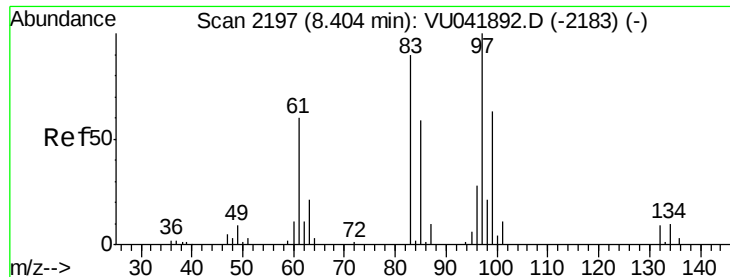
77 42.2 23.7 44.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

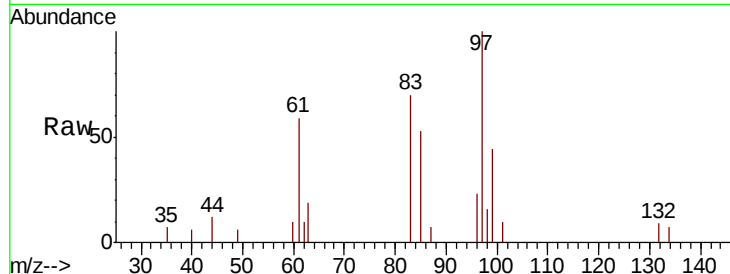




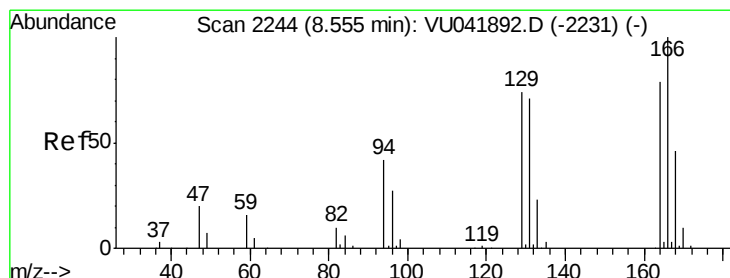
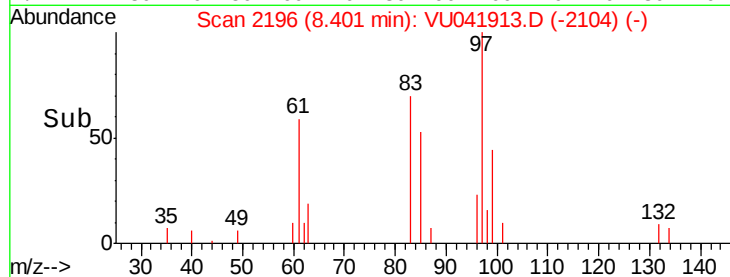
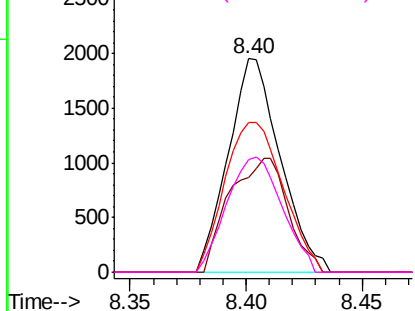
#45
 1,1,2-Trichloroethane
 Concen: 0.436 ug/L
 RT: 8.40 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VU041913.D
 Acq: 11 Jan 2021 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tot Ion: 97 Resp: 3039
 Ion Ratio Lower Upper
 97 100
 99 44.4 45.1 83.9#
 83 70.1 63.3 117.7
 85 52.8 39.2 72.8

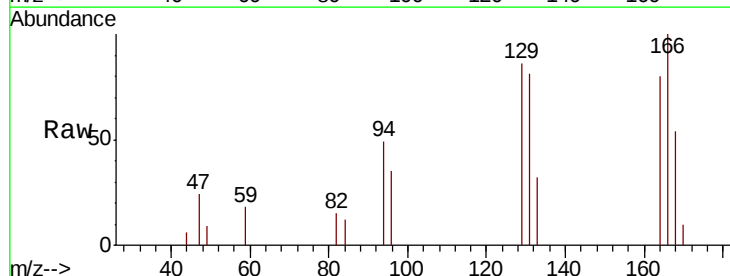


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

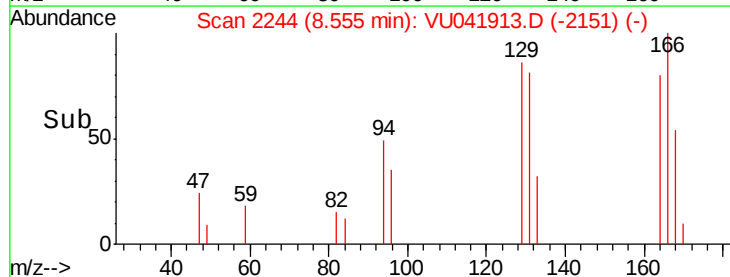
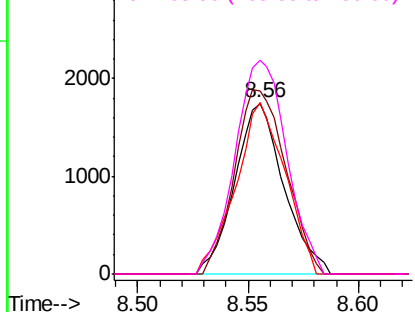


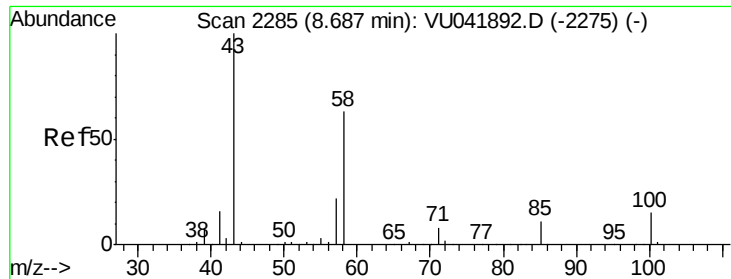
#47
 Tetrachloroethene
 Concen: 0.405 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU041913.D
 Acq: 11 Jan 2021 11:41

Tgt Ion: 164 Resp: 2700
 Ion Ratio Lower Upper
 164 100
 129 107.7 69.2 128.6
 131 101.1 69.7 129.5
 166 125.5 89.2 165.8



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

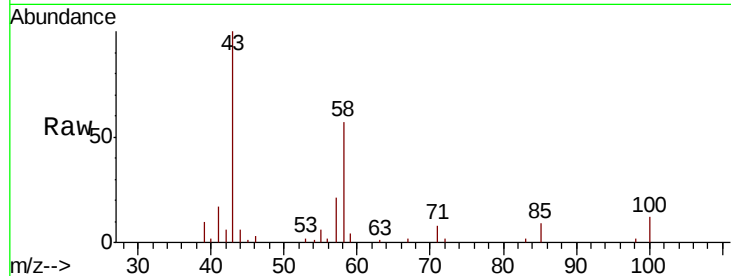




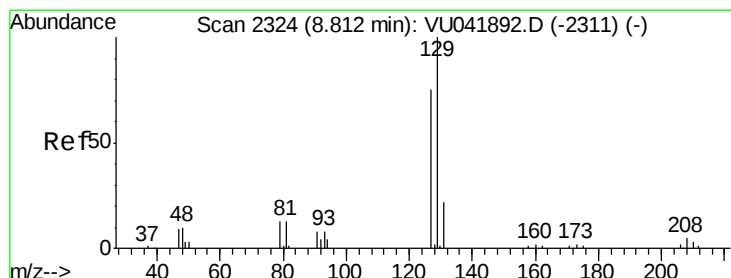
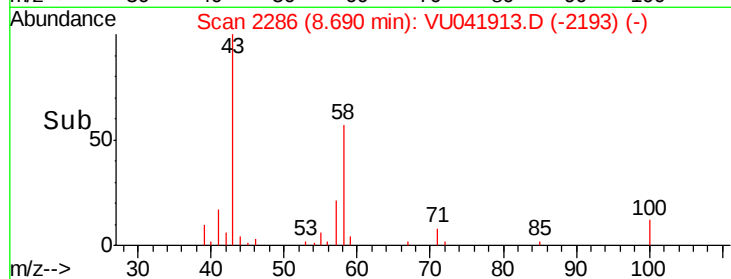
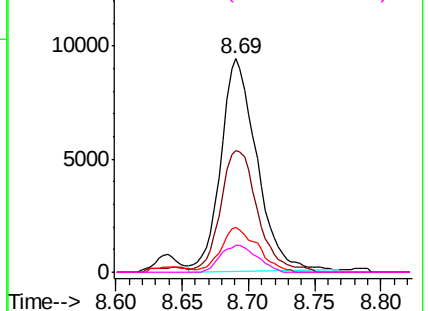
#48
2-Hexanone
Concen: 4.153 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041913.D
Acq: 11 Jan 2021 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tot Ion: 43 Resp: 17681
Ion Ratio Lower Upper
43 100
58 59.2 47.6 71.4
57 21.5 17.1 25.7
100 12.9 10.4 15.6

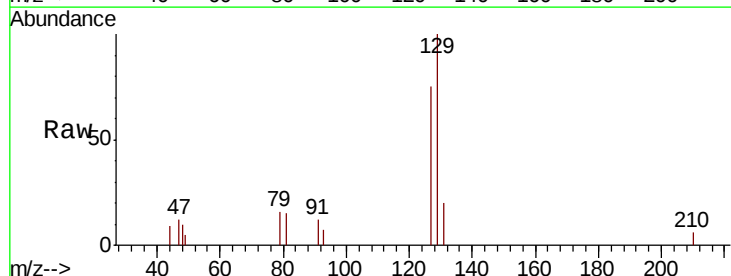


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

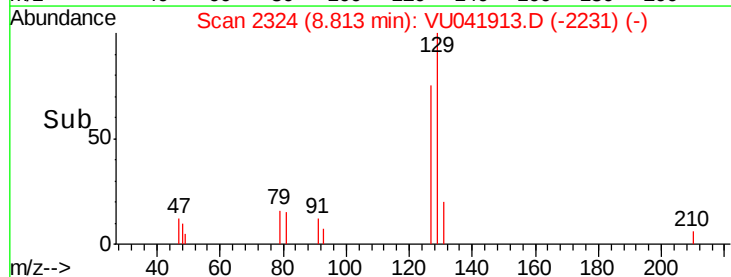
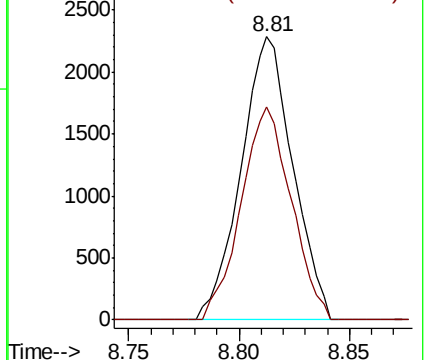


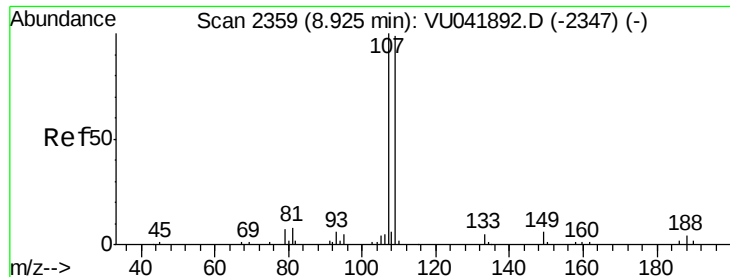
#49
Dibromochloromethane
Concen: 0.438 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041913.D
Acq: 11 Jan 2021 11:41

Tgt Ion: 129 Resp: 3718
Ion Ratio Lower Upper
129 100
127 75.3 54.9 101.9



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

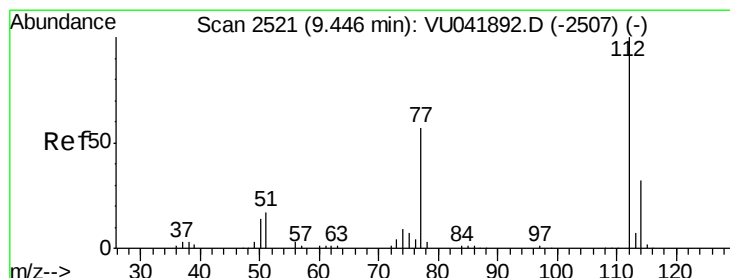
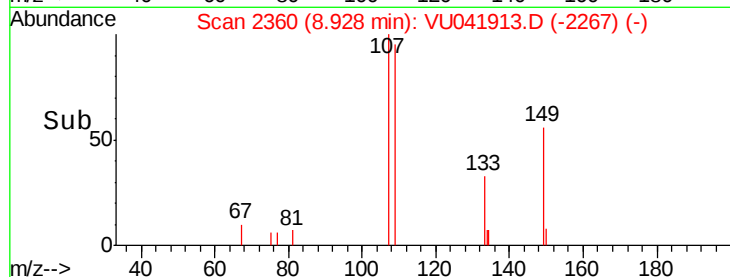
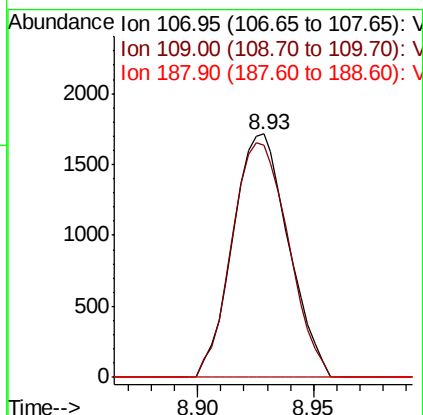
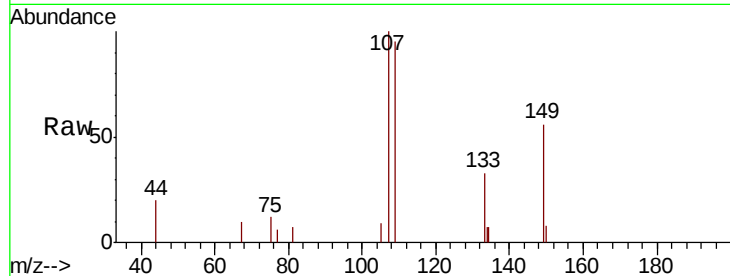




#50
 1,2-Dibromoethane
 Concen: 0.435 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041913.D
 Acq: 11 Jan 2021 11:41

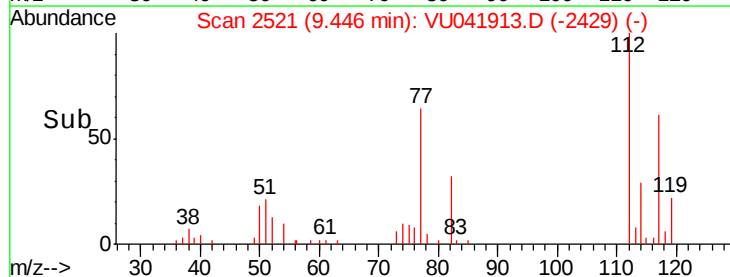
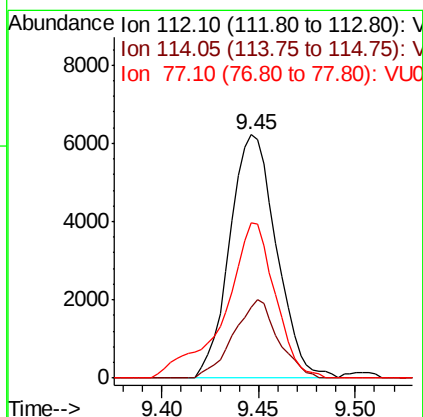
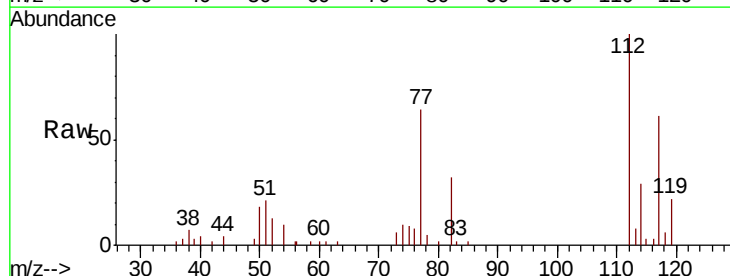
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

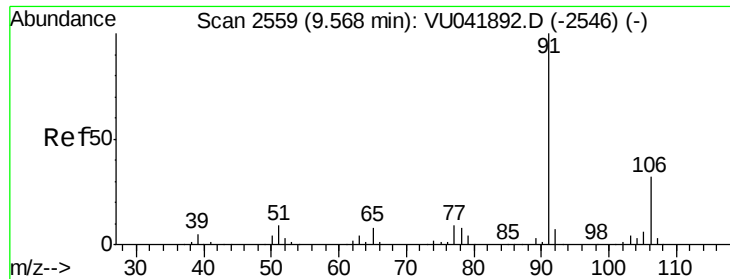
Tot Ion:107 Resp: 2860
 Ion Ratio Lower Upper
 107 100
 109 95.3 68.5 127.1
 188 0.0 2.6 4.0#



#51
 Chlorobenzene
 Concen: 0.441 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VU041913.D
 Acq: 11 Jan 2021 11:41

Tgt Ion:112 Resp: 10466
 Ion Ratio Lower Upper
 112 100
 114 29.2 21.5 39.9
 77 63.8 47.3 70.9

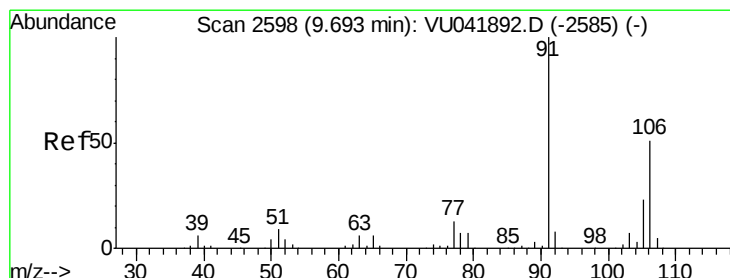
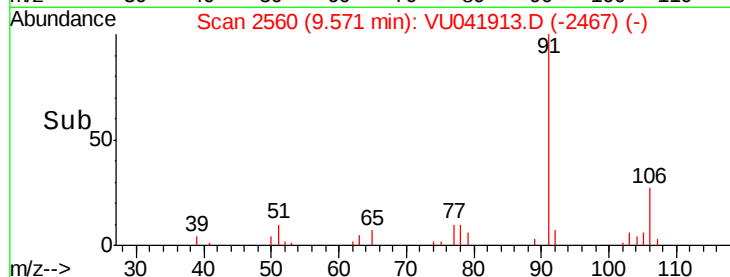
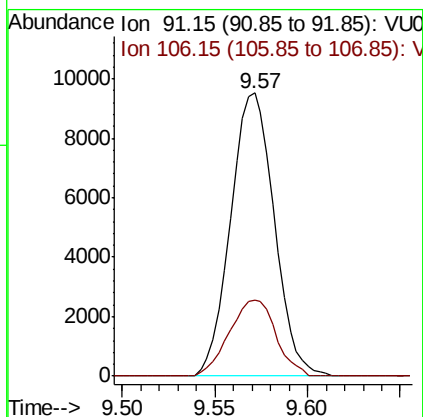
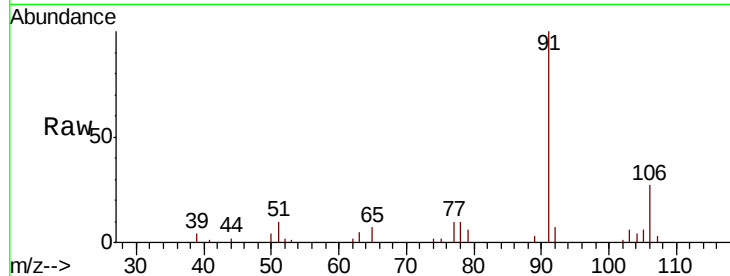




#52
Ethylbenzene
Concen: 0.391 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU041913.D
Acq: 11 Jan 2021 11:41

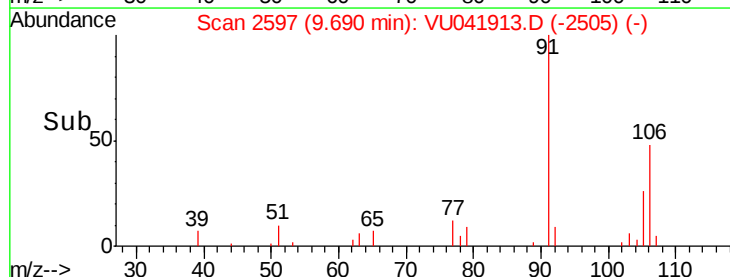
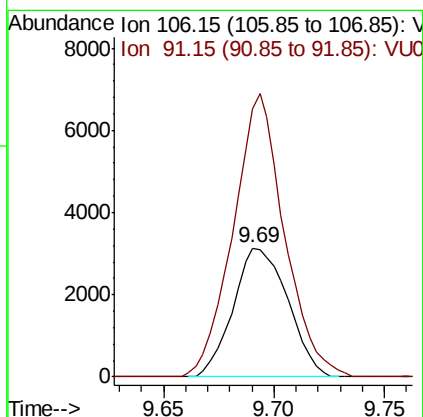
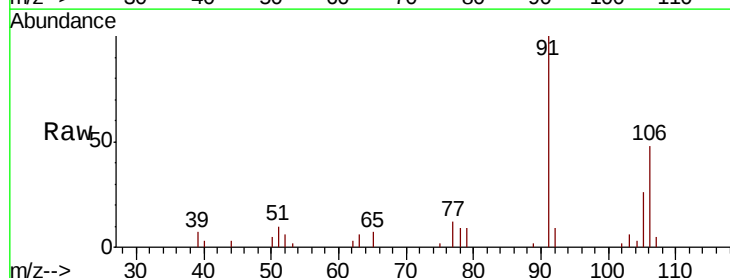
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

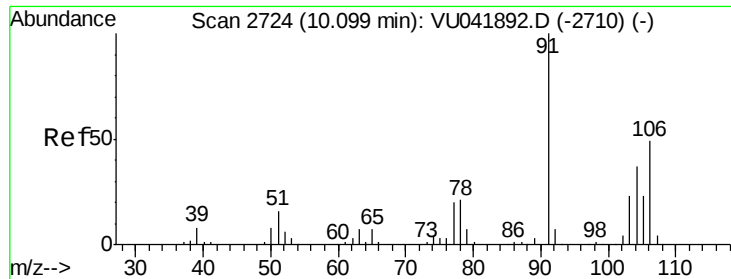
Tot Ion: 91 Resp: 15530
Ion Ratio Lower Upper
91 100
106 27.1 21.1 39.1



#53
m,p-Xylene
Concen: 0.368 ug/L
RT: 9.69 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VU041913.D
Acq: 11 Jan 2021 11:41

Tgt Ion: 106 Resp: 5404
Ion Ratio Lower Upper
106 100
91 208.0 147.2 273.4

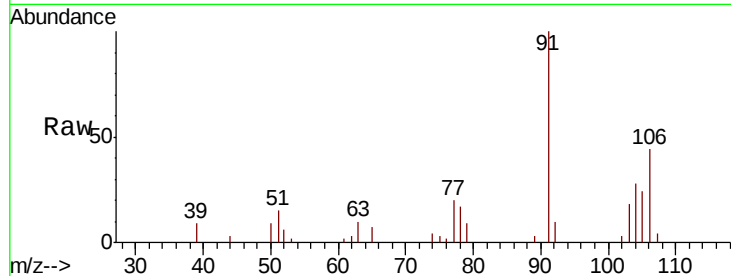




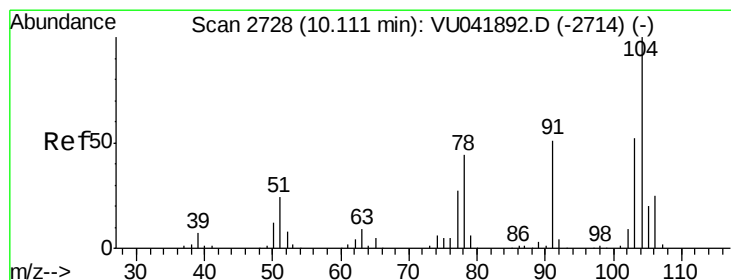
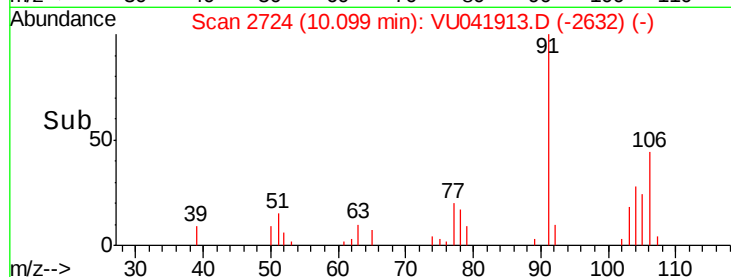
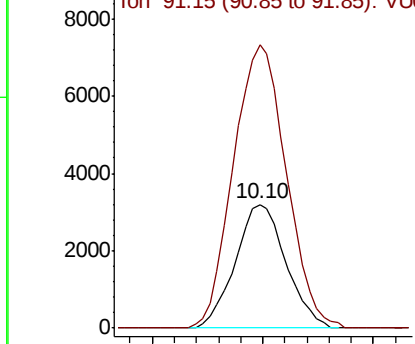
#54
o-Xylene
Concen: 0.357 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041913.D
Acq: 11 Jan 2021 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tot Ion:106 Resp: 5070
Ion Ratio Lower Upper
106 100
91 229.5 147.3 273.6

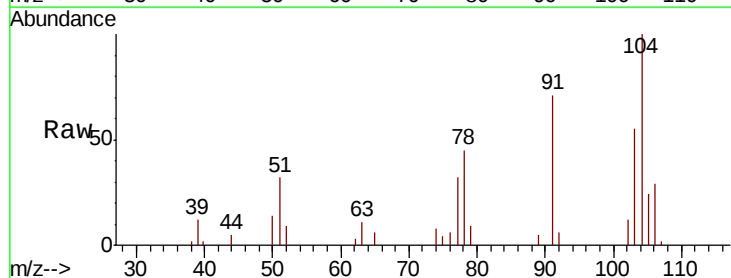


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

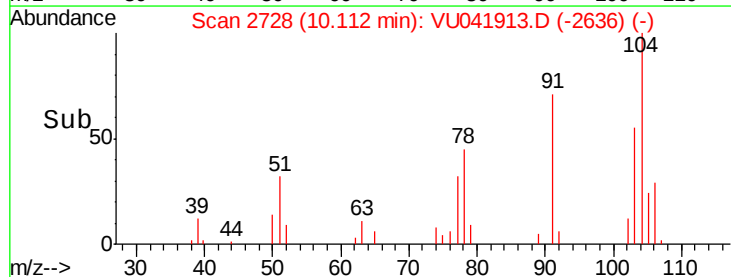
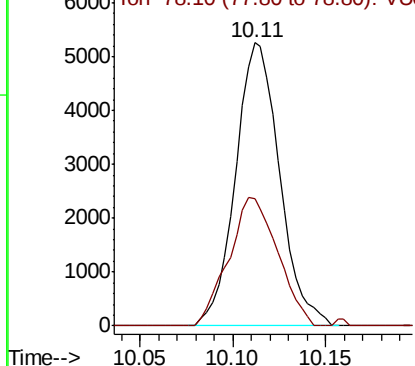


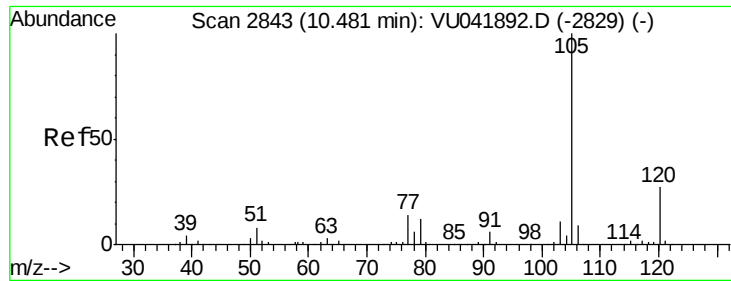
#55
Styrene
Concen: 0.352 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU041913.D
Acq: 11 Jan 2021 11:41

Tgt Ion:104 Resp: 8692
Ion Ratio Lower Upper
104 100
78 44.8 33.3 61.9



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





#56

Isopropylbenzene

Concen: 0.370 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041913.D

Acq: 11 Jan 2021 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

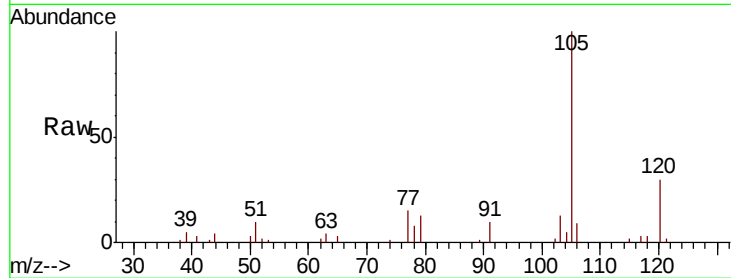
Tot Ion:105 Resp: 14097

Ion Ratio Lower Upper

105 100

120 29.4 21.0 31.6

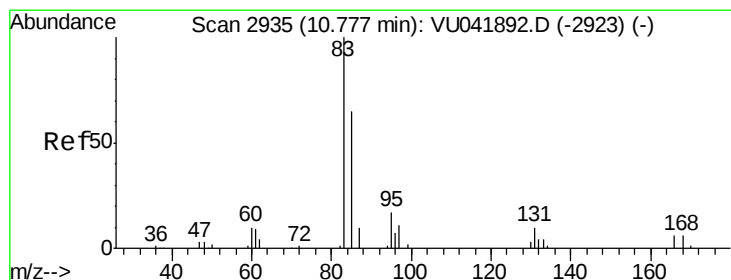
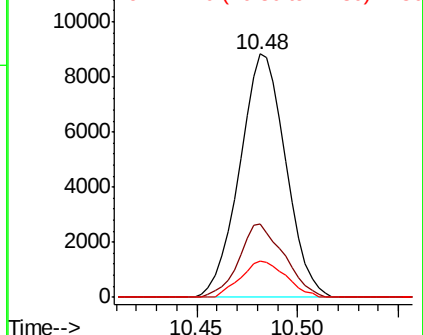
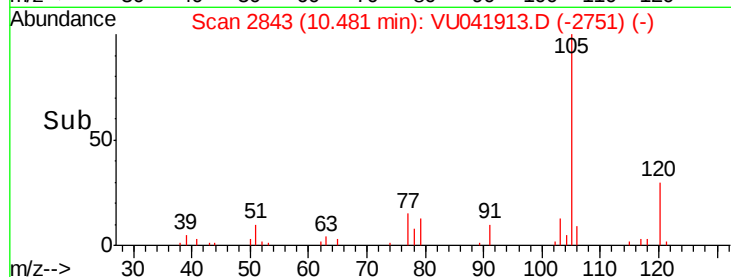
77 14.5 13.0 19.6



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: 0.443 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041913.D

Acq: 11 Jan 2021 11:41

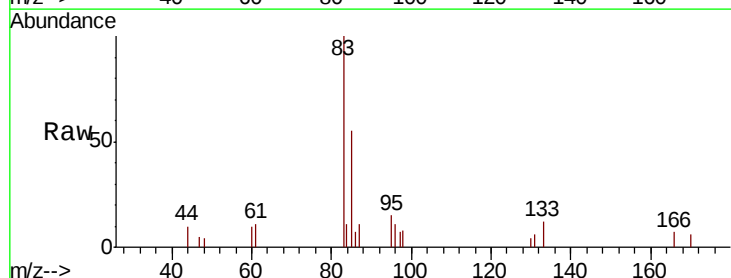
Tgt Ion: 83 Resp: 4042

Ion Ratio Lower Upper

83 100

85 54.5 45.4 84.2

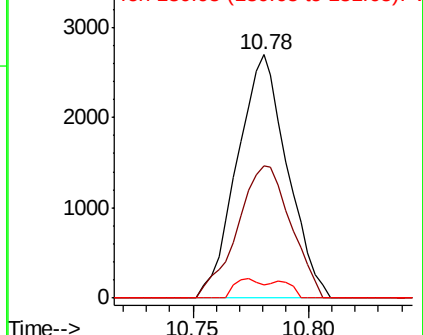
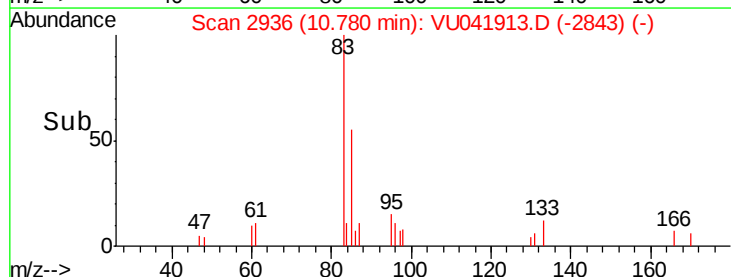
131 5.6 7.4 11.2#

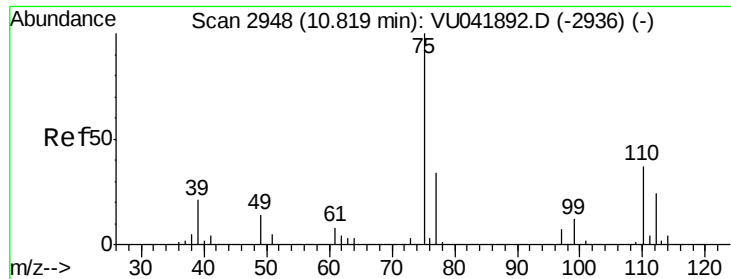


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

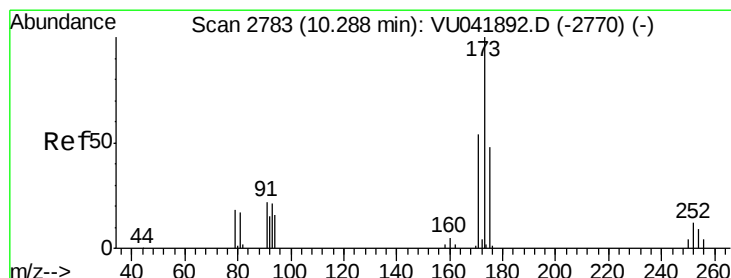
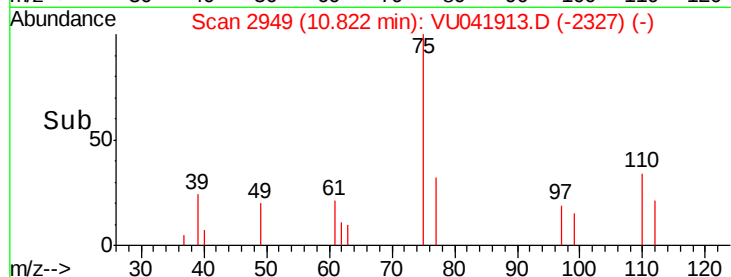
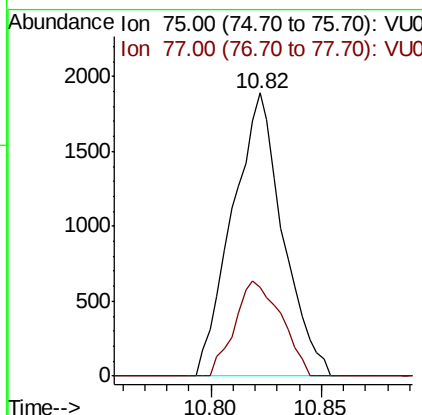
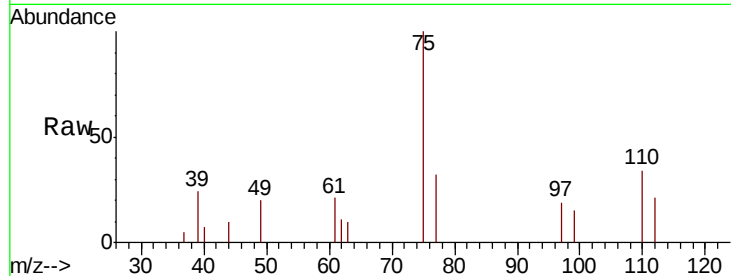




#59
 1,2,3-Trichloropropane
 Concen: 0.452 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU041913.D
 Acq: 11 Jan 2021 11:41

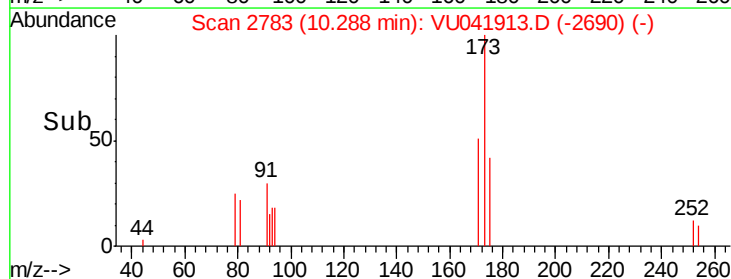
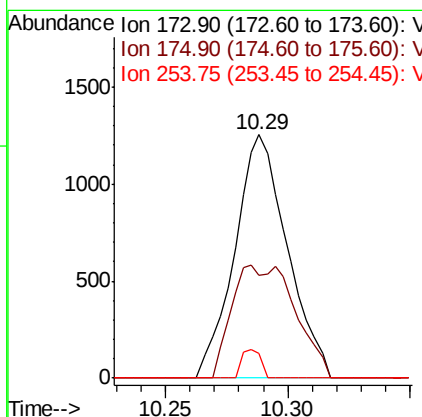
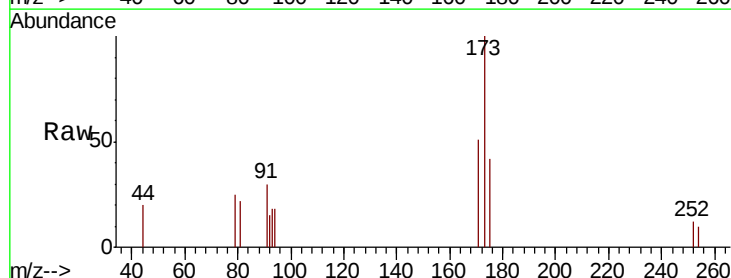
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

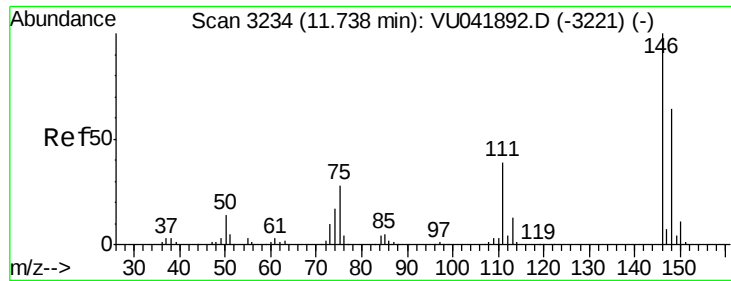
Tot Ion: 75 Resp: 3006
 Ion Ratio Lower Upper
 75 100
 77 30.9 27.0 40.4



#61
 Bromoform
 Concen: 0.433 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. 0.00 min
 Lab File: VU041913.D
 Acq: 11 Jan 2021 11:41

Tgt Ion: 173 Resp: 1870
 Ion Ratio Lower Upper
 173 100
 175 56.1 36.1 54.1#
 254 4.1 7.1 10.7#





#62

1,3-Dichlorobenzene

Concen: 0.445 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041913.D

Acq: 11 Jan 2021 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

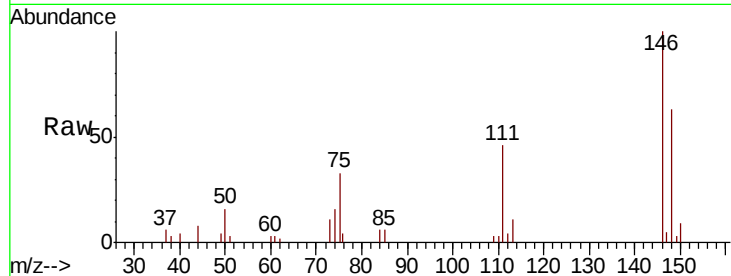
Tot Ion:146 Resp: 7205

Ion Ratio Lower Upper

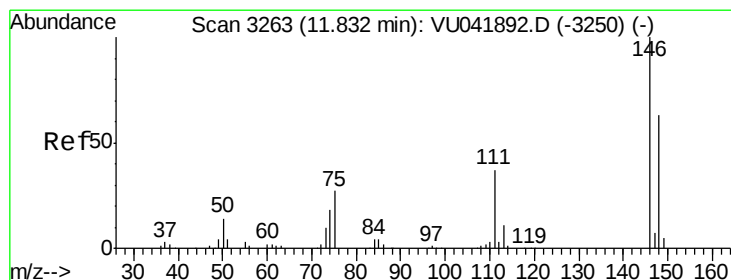
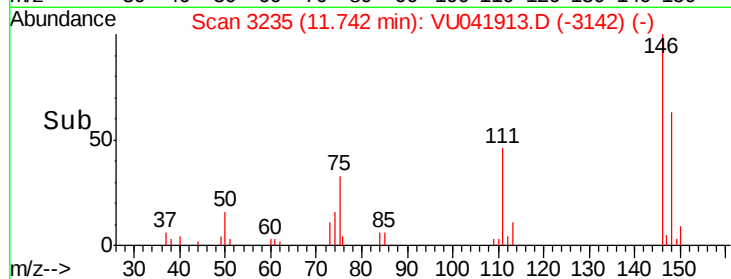
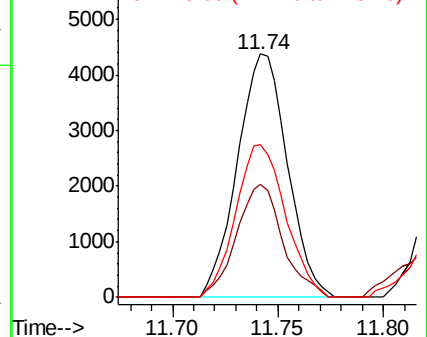
146 100

111 46.4 28.7 53.3

148 62.9 43.2 80.2



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



#63

1,4-Dichlorobenzene

Concen: 0.461 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041913.D

Acq: 11 Jan 2021 11:41

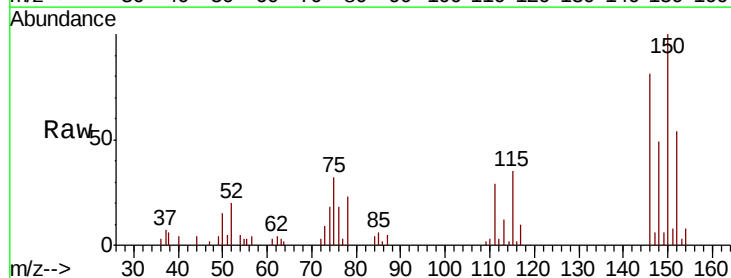
Tgt Ion:146 Resp: 7486

Ion Ratio Lower Upper

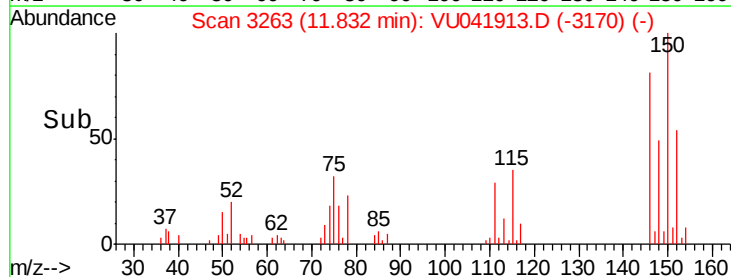
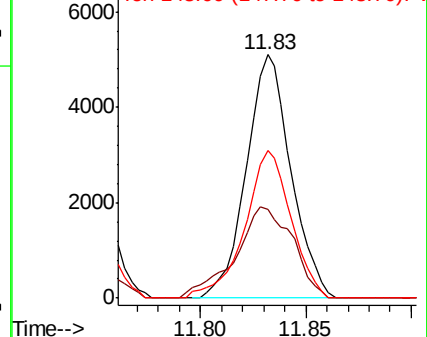
146 100

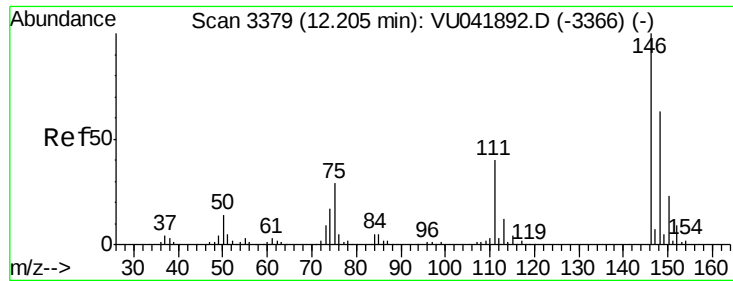
111 36.3 28.4 52.8

148 60.5 44.0 81.8



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

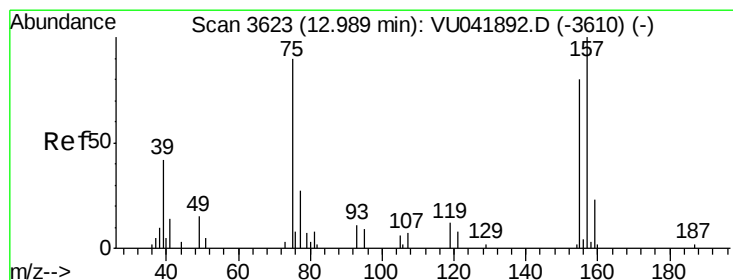
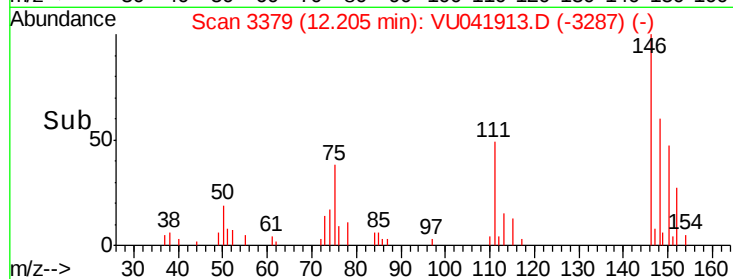
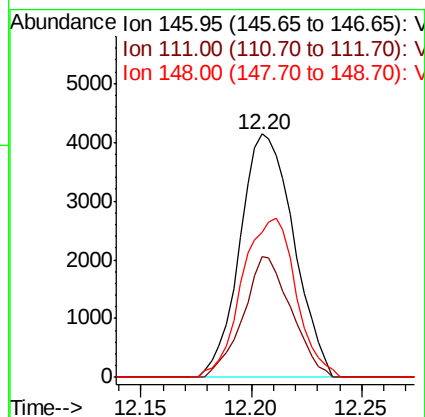
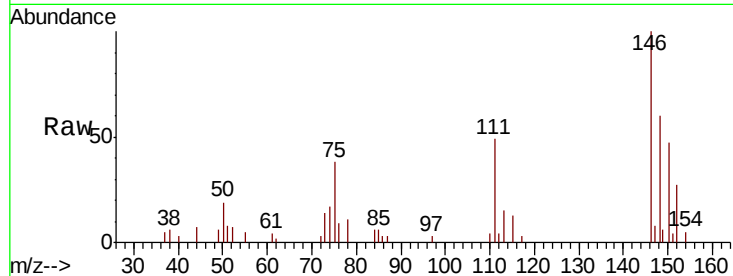




#65
 1,2-Dichlorobenzene
 Concen: 0.451 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041913.D
 Acq: 11 Jan 2021 11:41

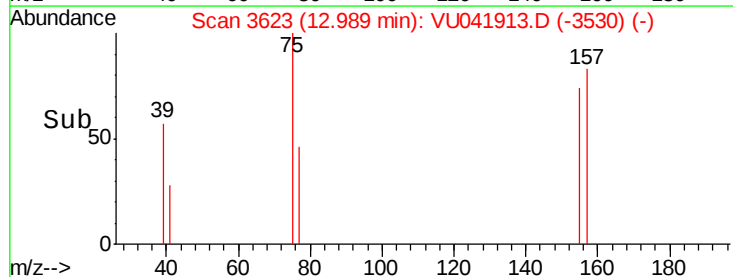
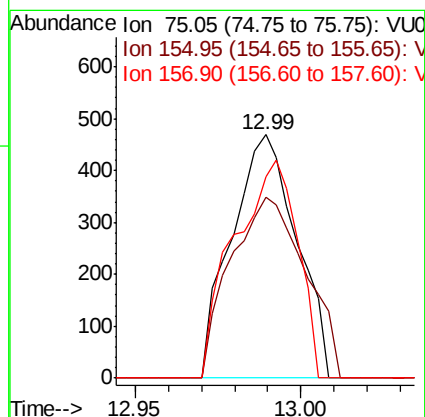
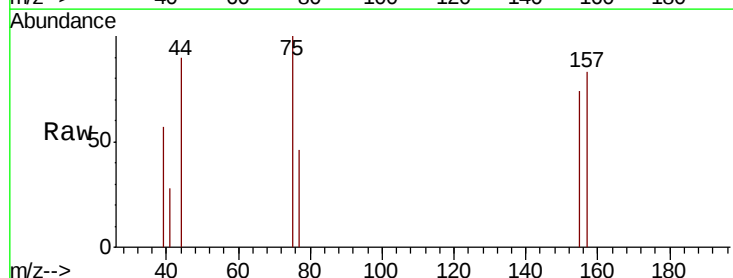
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

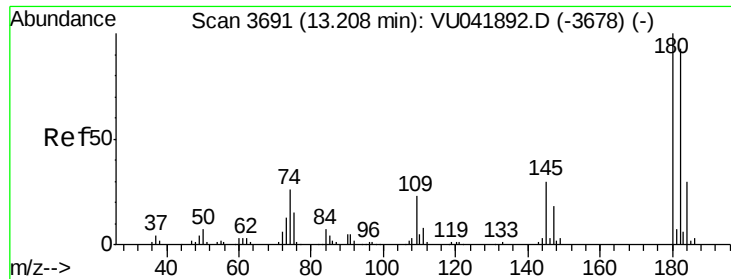
Tot Ion:146 Resp: 7024
 Ion Ratio Lower Upper
 146 100
 111 49.5 32.4 48.6#
 148 59.6 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.452 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041913.D
 Acq: 11 Jan 2021 11:41

Tgt Ion: 75 Resp: 639
 Ion Ratio Lower Upper
 75 100
 155 74.4 60.6 91.0
 157 82.7 81.0 121.6

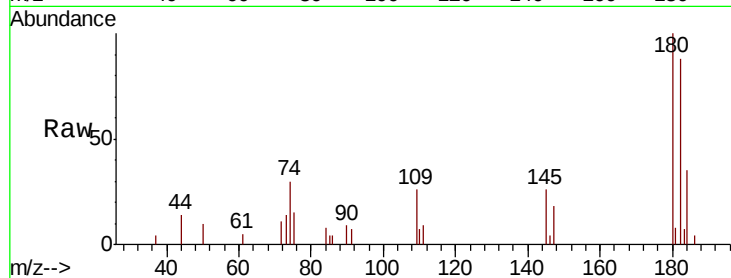




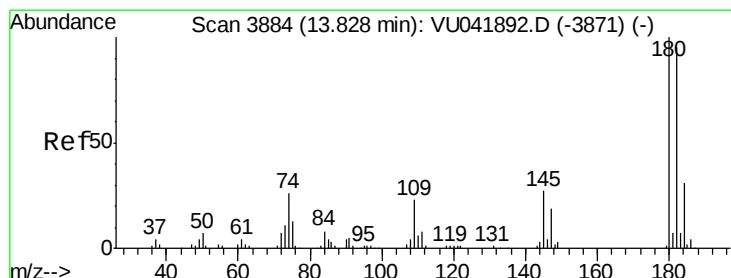
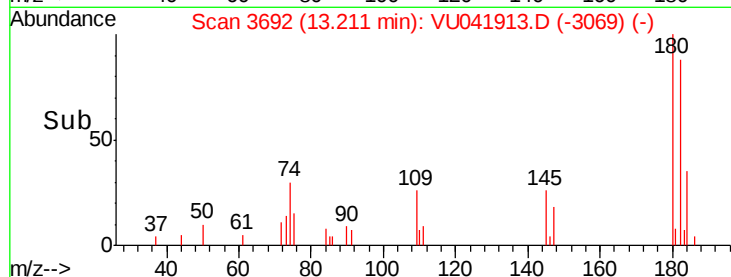
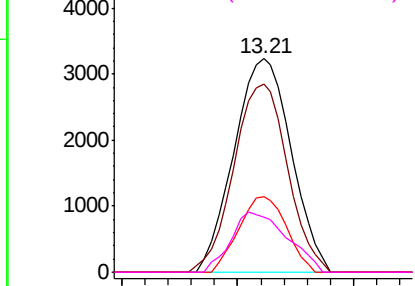
#67
 1,3,5-Trichlorobenzene
 Concen: 0.467 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041913.D
 Acq: 11 Jan 2021 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tot Ion:180 Resp: 5516
 Ion Ratio Lower Upper
 180 100
 182 83.0 74.6 111.8
 184 29.4 23.8 35.6
 145 27.6 24.6 37.0

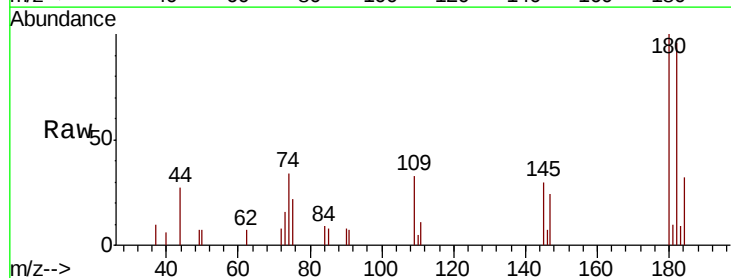


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

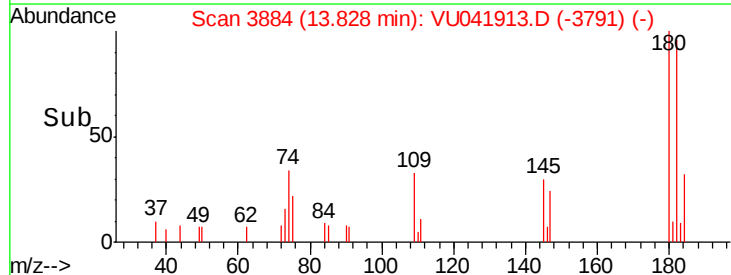
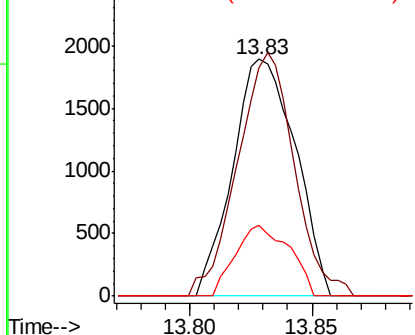


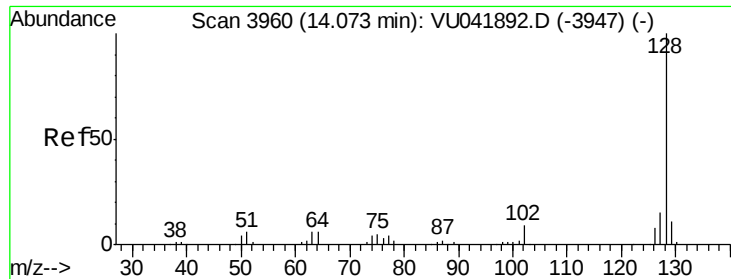
#68
 1,2,4-trichlorobenzene
 Concen: 0.379 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041913.D
 Acq: 11 Jan 2021 11:41

Tgt Ion:180 Resp: 3372
 Ion Ratio Lower Upper
 180 100
 182 93.1 77.2 115.8
 145 25.7 23.8 35.6



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: 0.291 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041913.D

Acq: 11 Jan 2021 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

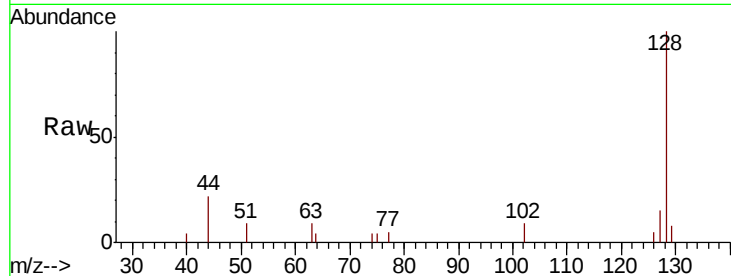
Tot Ion:128 Resp: 4393

Ion Ratio Lower Upper

128 100

129 8.0 8.6 12.8#

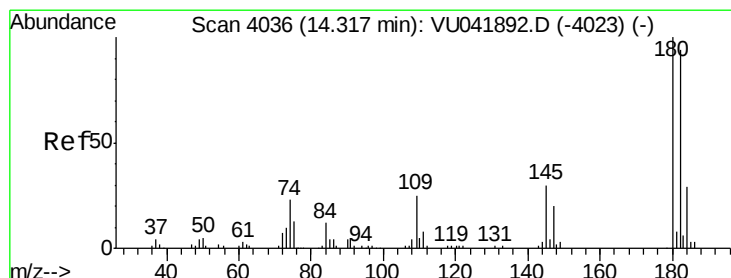
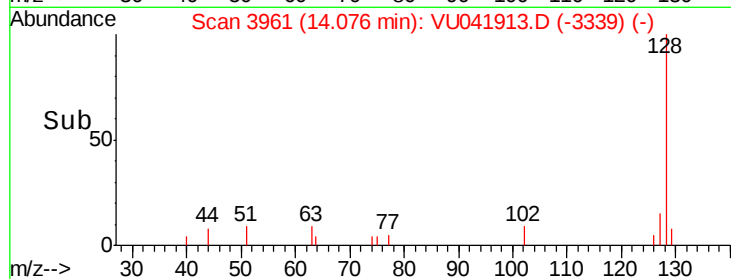
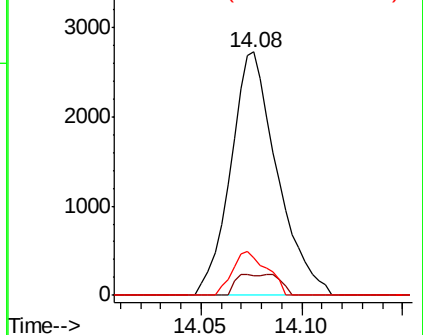
127 13.5 10.7 16.1



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: 0.381 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041913.D

Acq: 11 Jan 2021 11:41

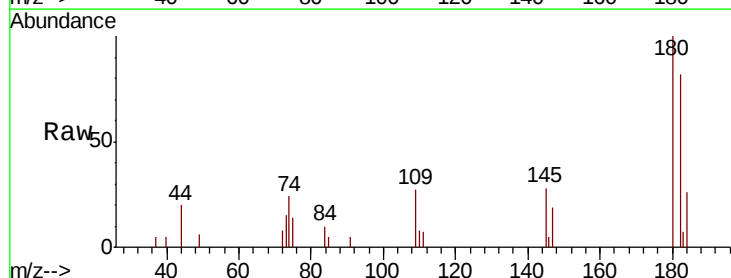
Tgt Ion:180 Resp: 3202

Ion Ratio Lower Upper

180 100

182 88.7 77.0 115.4

145 29.0 27.0 40.6



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

