

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041954.D
 Acq On : 12 Jan 2021 04:59
 Operator : SY/MD
 Sample : M1027-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXL1

Quant Time: Jan 12 05:54:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 05:50:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	104922	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	103821	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	40014	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	49113	5.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.00%
7) Chloroethane-d5	1.92	69	47269	5.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.40%
11) 1,1-Dichloroethene-d2	2.58	63	71193	4.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.00%
20) 2-Butanone-d5	4.65	46	178071	72.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	144.92%#
24) Chloroform-d	5.08	84	98310	6.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	122.00%
26) 1,2-Dichloroethane-d4	5.72	65	53953	6.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	127.00%
32) Benzene-d6	5.74	84	179597	5.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.00%
36) 1,2-Dichloropropane-d6	6.70	67	58240	6.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	120.80%
41) Toluene-d8	7.91	98	138012	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	8.18	79	22603	5.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	112.40%
46) 2-Hexanone-d5	8.64	63	145296	71.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	142.80%#
57) 1,1,2,2-Tetrachloroethane-	10.75	84	51213	6.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	47782	6.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	126.20%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	645	0.058	ug/L	97
8) Chloroethane	1.94	64	354	0.048	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	757	0.090	ug/L #	20
12) 1,1-Dichloroethene	2.58	96	579	0.071	ug/L #	1
13) Acetone	2.66	43	4321	2.707	ug/L #	39
16) Methylene chloride	3.06	84	1620	0.157	ug/L	96
22) cis-1,2-Dichloroethene	4.69	96	1173	0.138	ug/L	84
29) 1,1,1-Trichloroethane	5.33	97	2141	0.158	ug/L #	38
34) Trichloroethene	6.55	95	6278	0.715	ug/L	91
35) Methylcyclohexane	6.70	83	13686	1.060	ug/L #	18
37) 1,2-Dichloropropane	6.70	63	6082	0.729	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1240	0.101	ug/L #	60
44) trans-1,3-Dichloropropene	8.18	75	909	0.083	ug/L	95
47) Tetrachloroethene	8.56	164	1581	0.259	ug/L	93
48) 2-Hexanone	8.64	43	17929	4.591	ug/L #	67
49) Dibromochloromethane	8.56	129	1379	0.177	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	4818	0.791	ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jan 12 05:50:11 2021
Response via : Initial Calibration

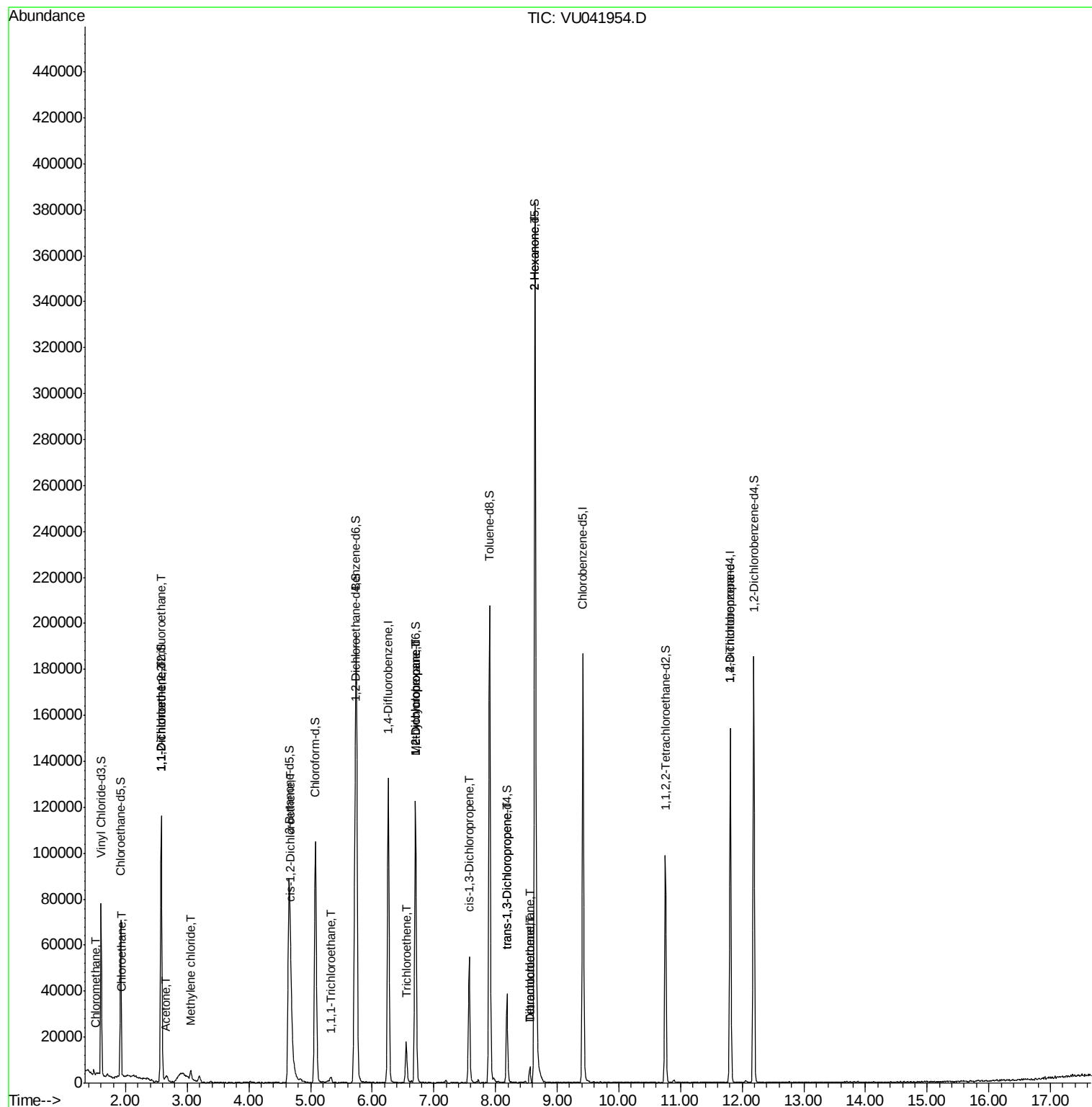
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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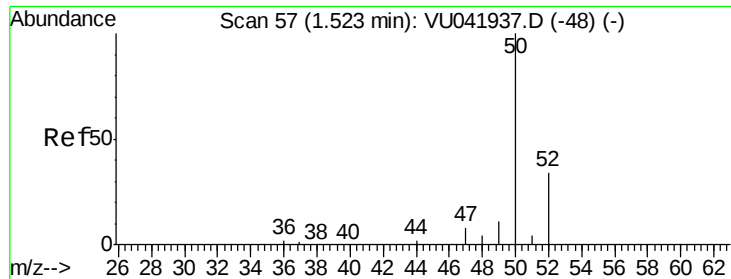
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 12 05:50:11 2021
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.058 ug/L

RT: 1.52 min Scan# 56

Delta R.T. -0.00 min

Lab File: VU041954.D

Acq: 12 Jan 2021 04:59

Instrument :

MSVOA_U

ClientSampled :

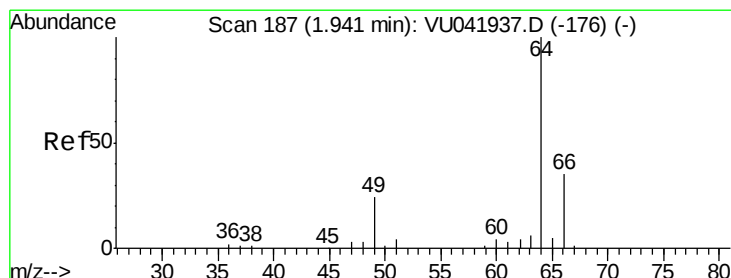
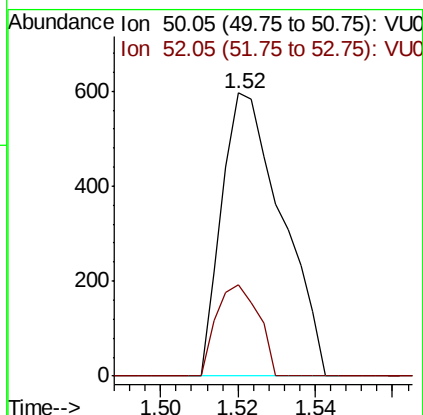
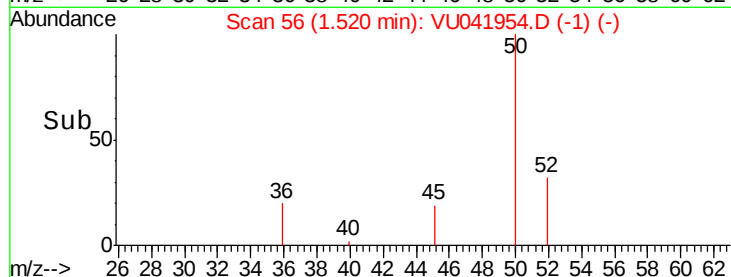
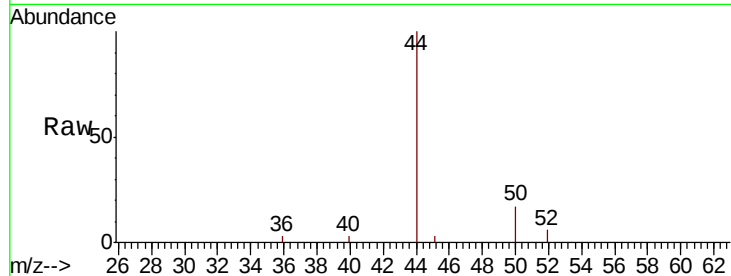
BFXL1

Tot Ion: 50 Resp: 645

Ion Ratio Lower Upper

50 100

52 32.4 21.4 39.8



#8

Chloroethane

Concen: 0.048 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU041954.D

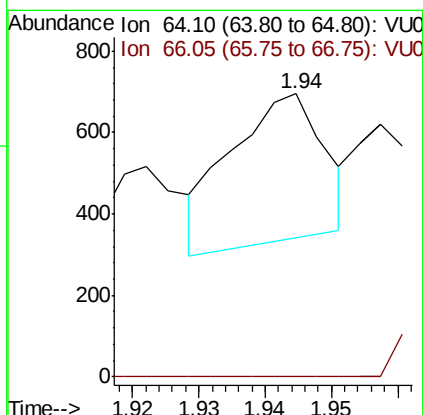
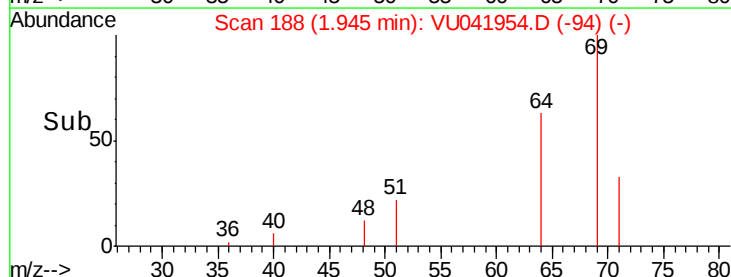
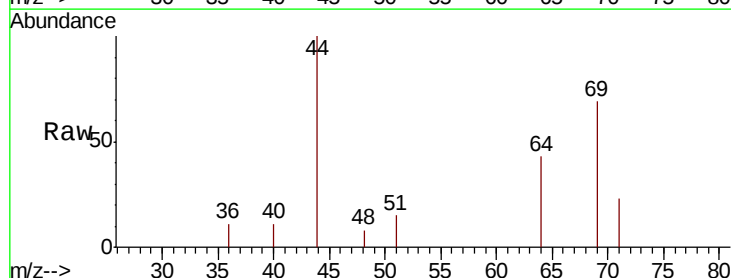
Acq: 12 Jan 2021 04:59

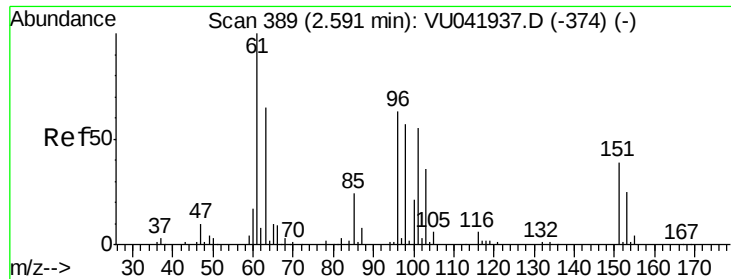
Tgt Ion: 64 Resp: 354

Ion Ratio Lower Upper

64 100

66 0.0 22.1 41.1#





#10

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

Concen: 0.090 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041954.D

Acq: 12 Jan 2021 04:59

Instrument :

MSVOA_U

ClientSampleId :

BFXL1

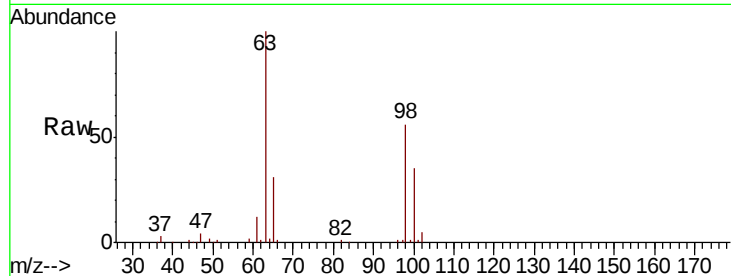
Tot Ion:101 Resp: 757

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 58.2 87.2#



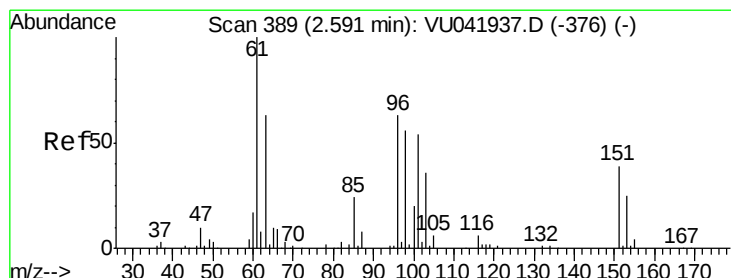
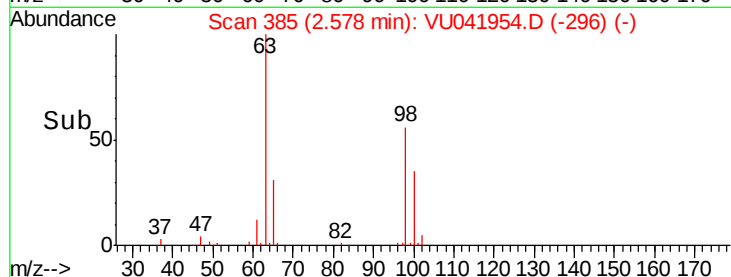
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.58

Time-->



#12

1,1-Dichloroethene

Concen: 0.071 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041954.D

Acq: 12 Jan 2021 04:59

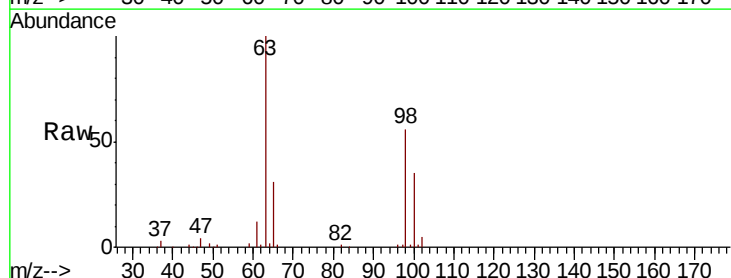
Tgt Ion: 96 Resp: 579

Ion Ratio Lower Upper

96 100

61 1206.0 123.5 229.4#

63 10301.6 93.5 173.7#



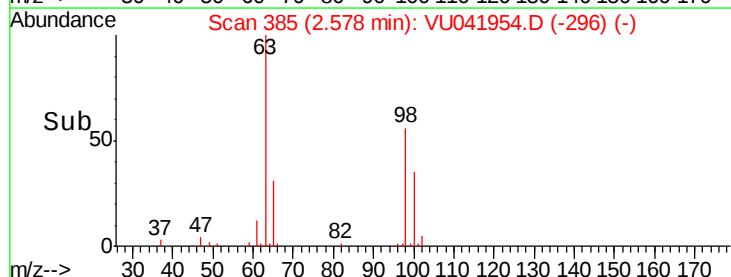
Abundance Ion 96.00 (95.70 to 96.70): VU0

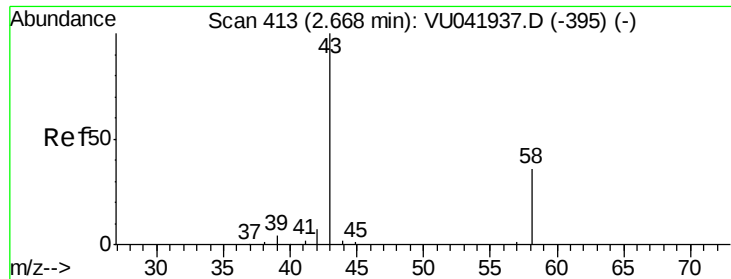
Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

2.58

Time-->





#13

Acetone

Concen: 2.707 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU041954.D

Acq: 12 Jan 2021 04:59

Instrument :

MSVOA_U

ClientSampled :

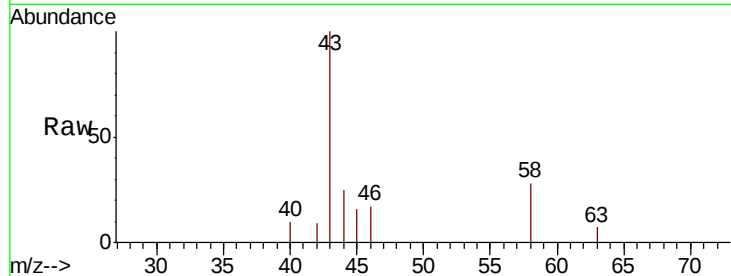
BFXL1

Tot Ion: 43 Resp: 4321

Ion Ratio Lower Upper

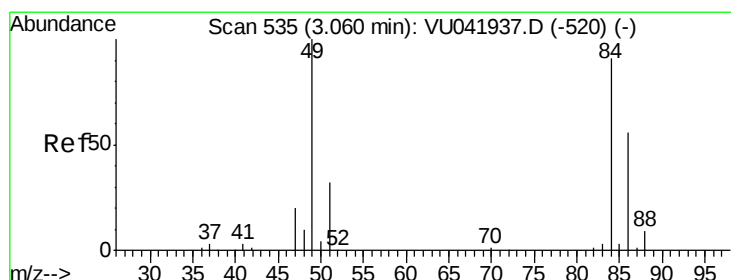
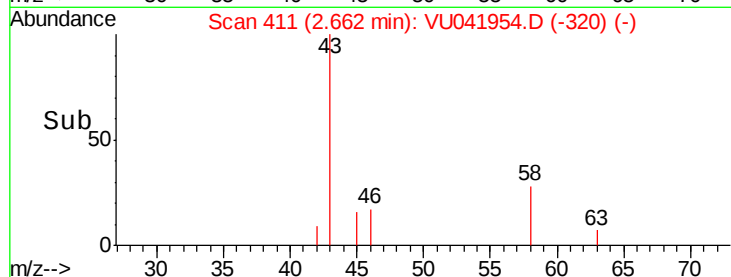
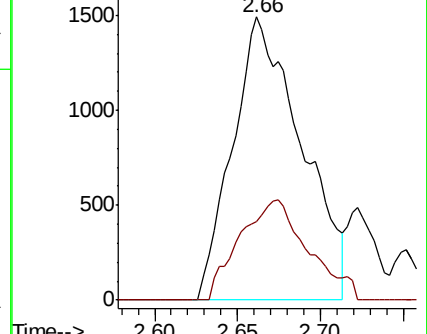
43 100

58 35.2 0.0 23.6#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#16

Methylene chloride

Concen: 0.157 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041954.D

Acq: 12 Jan 2021 04:59

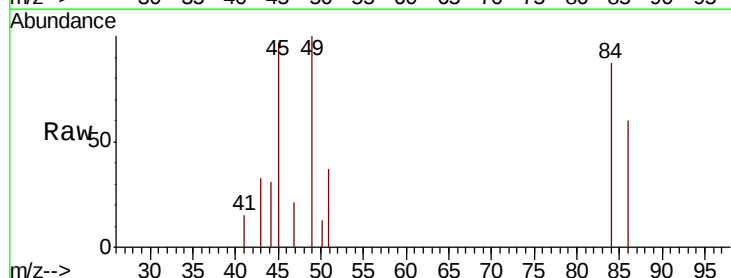
Tgt Ion: 84 Resp: 1620

Ion Ratio Lower Upper

84 100

86 68.5 43.5 80.7

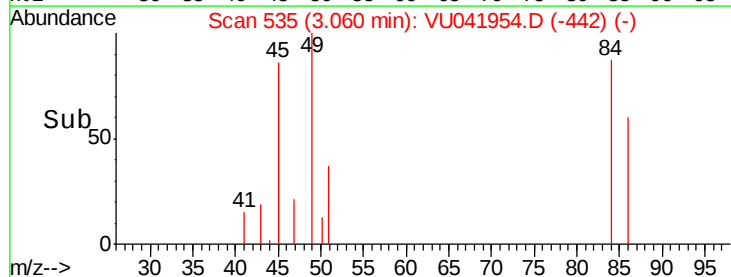
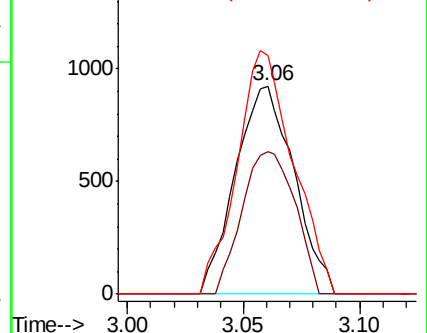
49 114.4 81.8 151.8

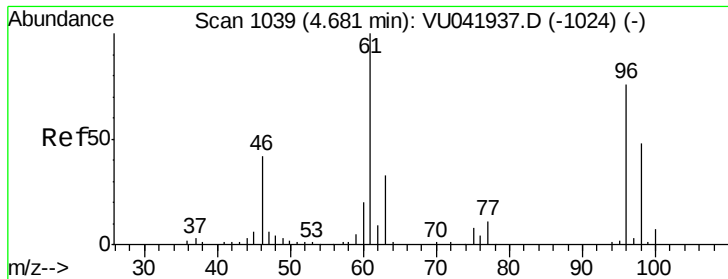


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.138 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU041954.D

Acq: 12 Jan 2021 04:59

Instrument :

MSVOA_U

ClientSampleId :

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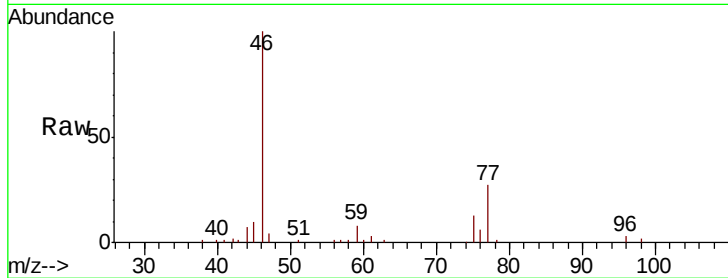
Tot Ion: 96 Resp: 1173

Ion Ratio Lower Upper

96 100

61 110.0 90.3 167.7

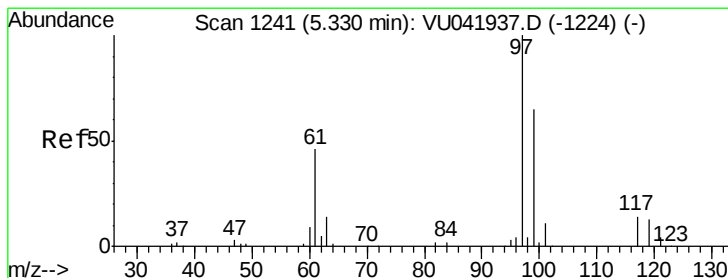
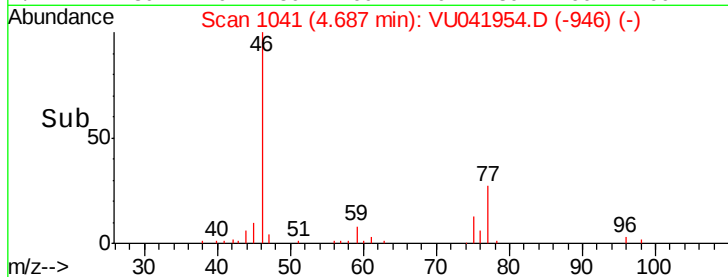
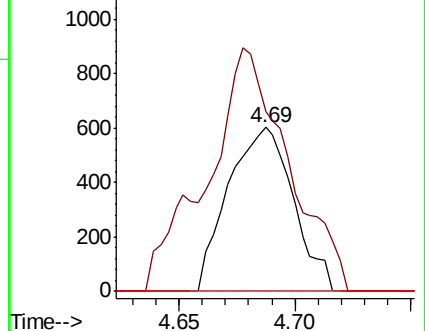
68 0.0 0.0 0.0



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



#29

1,1,1-Trichloroethane

Concen: 0.158 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU041954.D

Acq: 12 Jan 2021 04:59

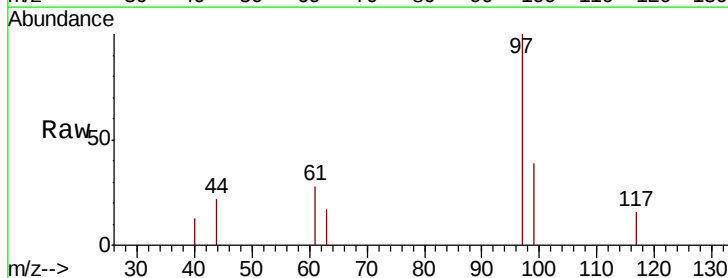
Tgt Ion: 97 Resp: 2141

Ion Ratio Lower Upper

97 100

99 5.0 51.4 77.2#

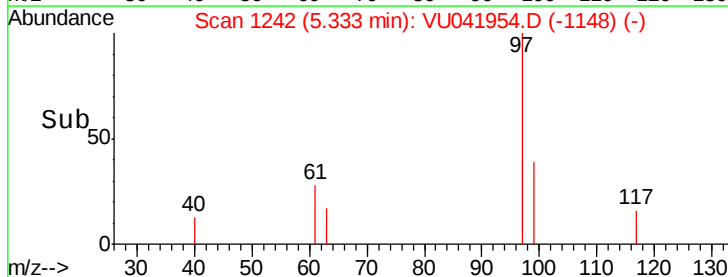
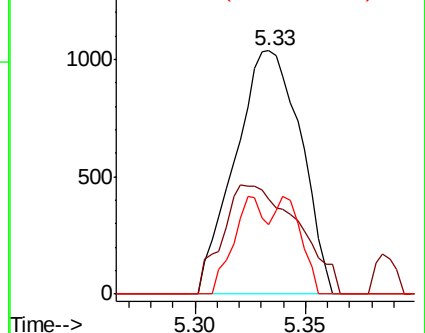
61 16.1 35.3 52.9#

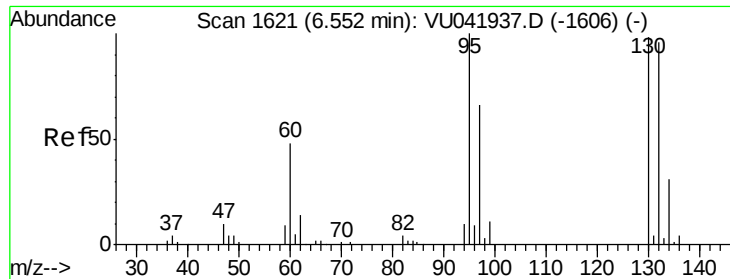


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0





#34

Trichloroethene

Concen: 0.715 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041954.D

Acq: 12 Jan 2021 04:59

Instrument :

MSVOA_U

ClientSampleId :

BFXL1

Tot Ion: 95 Resp: 6278

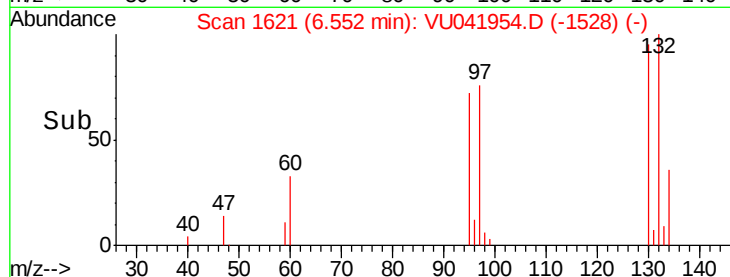
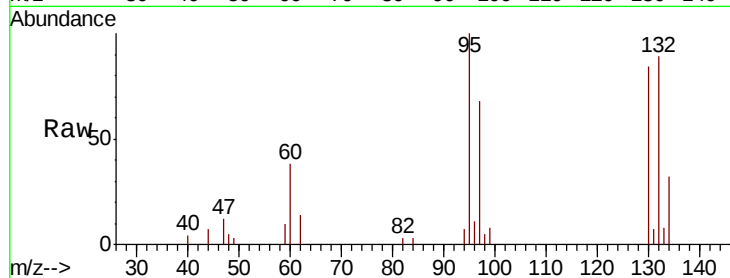
Ion Ratio Lower Upper

95 100

97 67.6 45.2 84.0

132 88.7 68.7 127.5

130 84.3 68.0 126.4

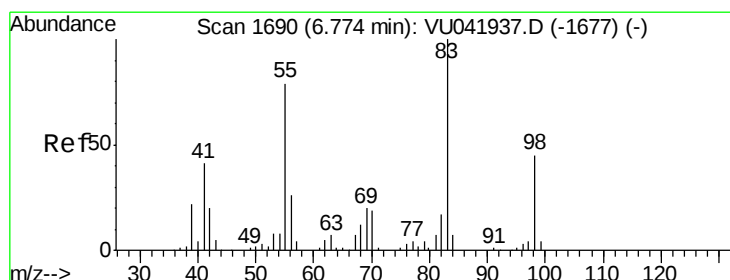
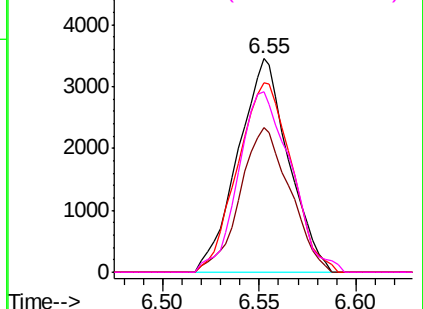


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 1.060 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041954.D

Acq: 12 Jan 2021 04:59

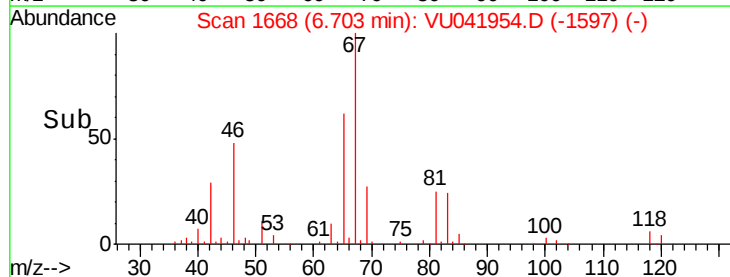
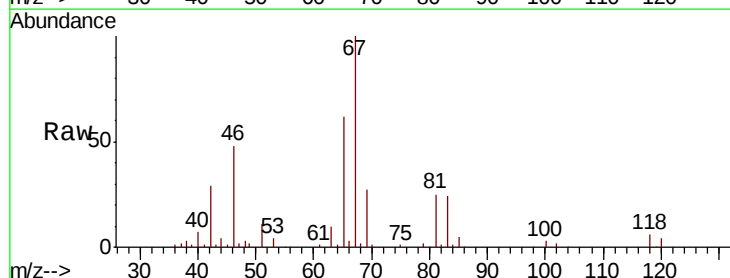
Tgt Ion: 83 Resp: 13686

Ion Ratio Lower Upper

83 100

55 0.7 64.3 96.5#

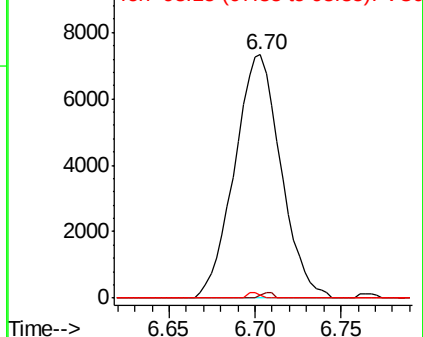
98 0.6 36.6 54.8#

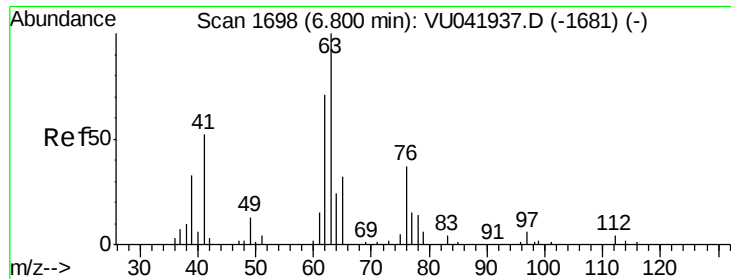


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

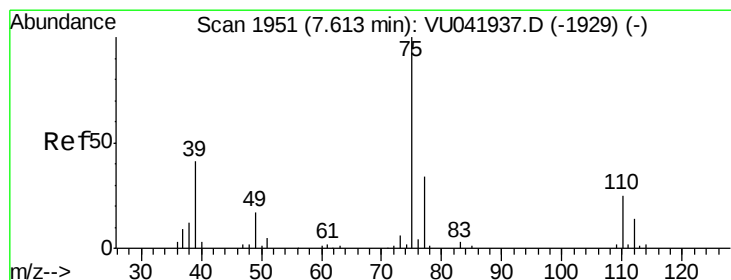
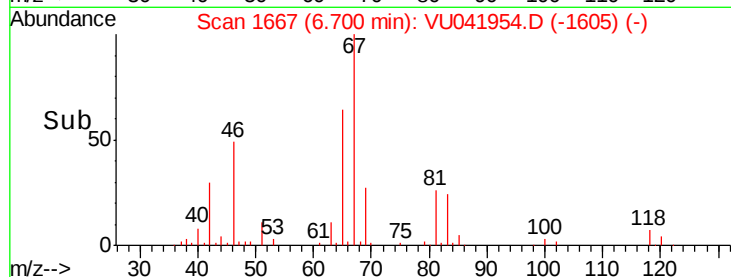
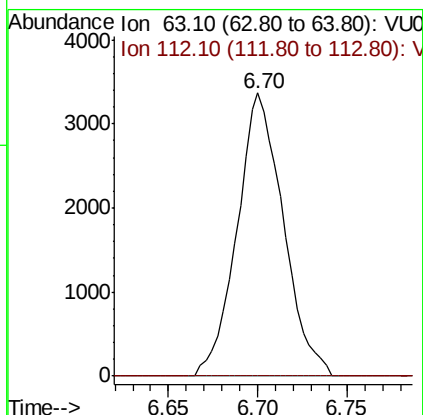
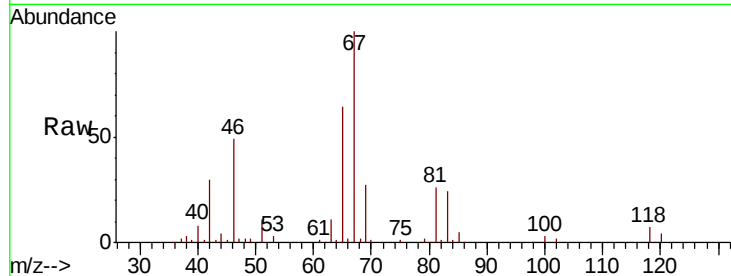




#37
 1,2-Dichloropropane
 Concen: 0.729 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041954.D
 Acq: 12 Jan 2021 04:59

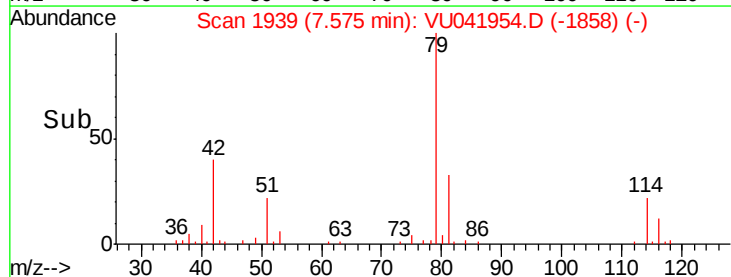
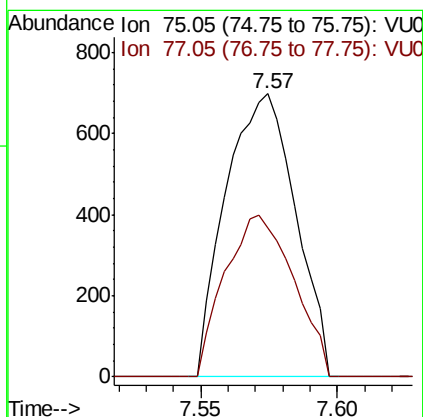
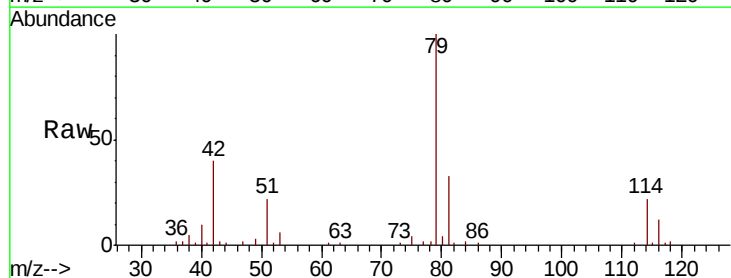
Instrument :
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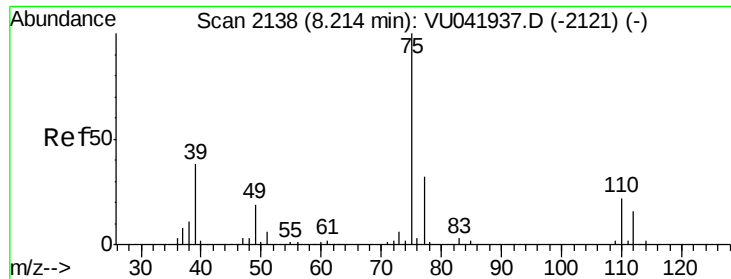
Tot Ion: 63 Resp: 6082
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.3 4.9#



#39
 cis-1,3-Dichloropropene
 Concen: 0.101 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041954.D
 Acq: 12 Jan 2021 04:59

Tgt Ion: 75 Resp: 1240
 Ion Ratio Lower Upper
 75 100
 77 52.9 21.5 39.9#

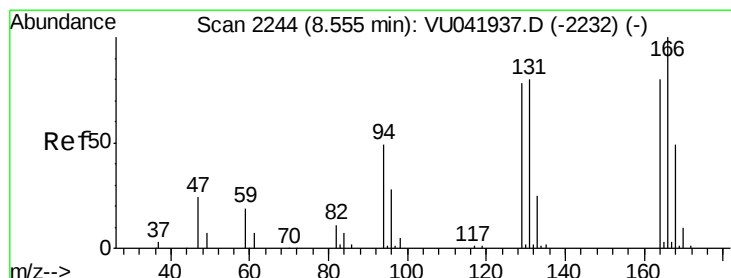
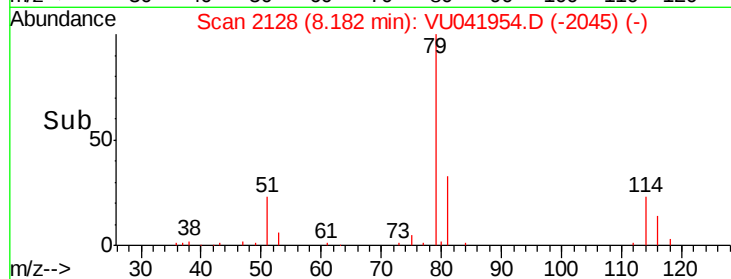
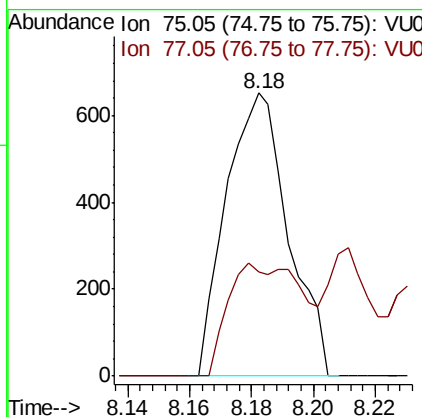
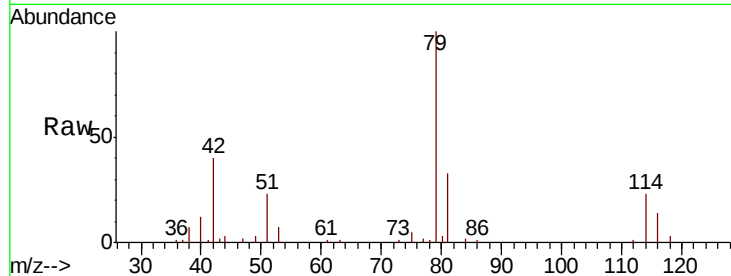




#44
trans-1,3-Dichloropropene
Concen: 0.083 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU041954.D
Acq: 12 Jan 2021 04:59

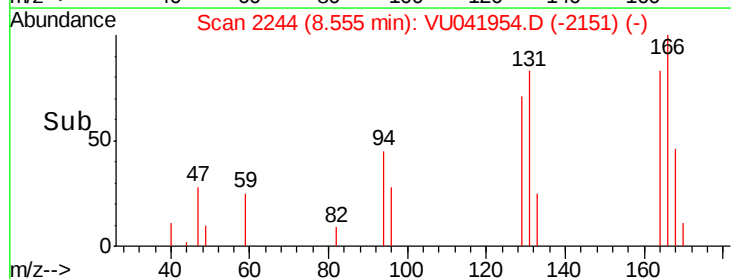
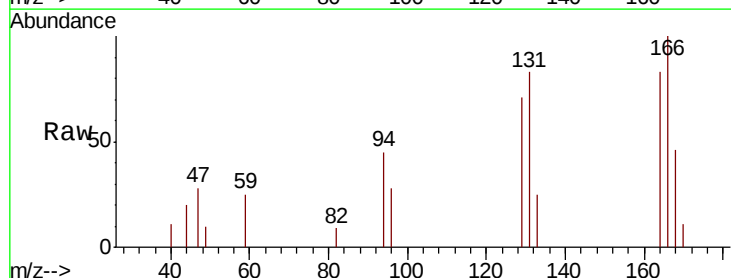
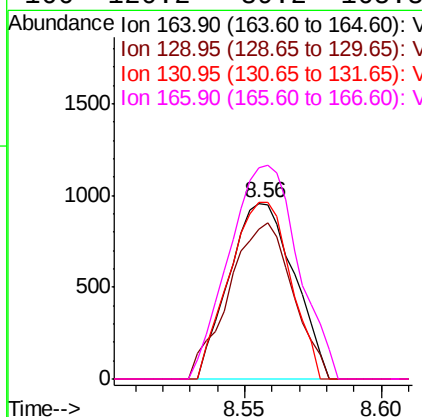
Instrument :
MSVOA_U
ClientSampleId :
BFXL1

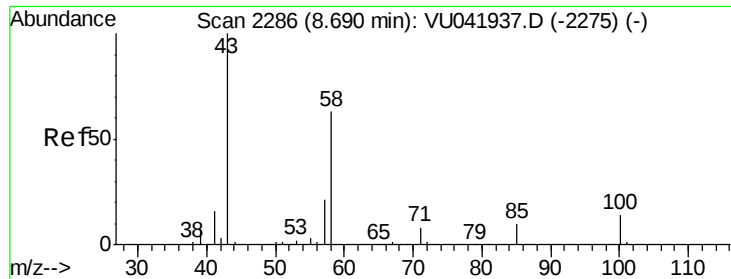
Tot Ion: 75 Resp: 909
Ion Ratio Lower Upper
75 100
77 36.7 23.7 44.1



#47
Tetrachloroethene
Concen: 0.259 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU041954.D
Acq: 12 Jan 2021 04:59

Tgt Ion: 164 Resp: 1581
Ion Ratio Lower Upper
164 100
129 85.3 69.2 128.6
131 100.2 69.7 129.5
166 120.2 89.2 165.8





#48

2-Hexanone

Concen: 4.591 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU041954.D

Acq: 12 Jan 2021 04:59

Instrument :

MSVOA_U

ClientSampleId :

BFXL1

Tot Ion: 43 Resp: 17929

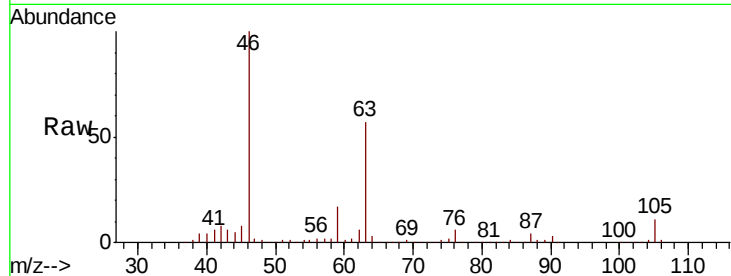
Ion Ratio Lower Upper

43 100

58 29.4 47.6 71.4#

57 29.4 17.1 25.7#

100 1.6 10.4 15.6#

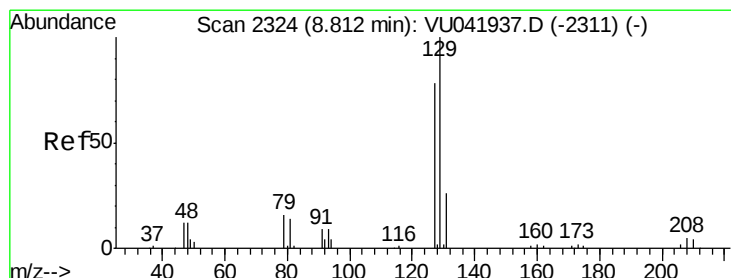
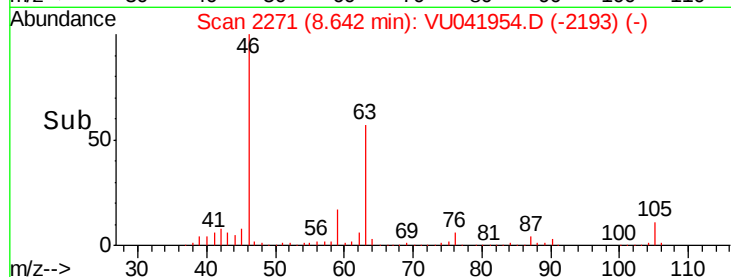
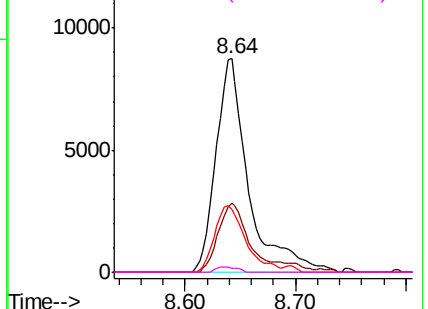


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.177 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041954.D

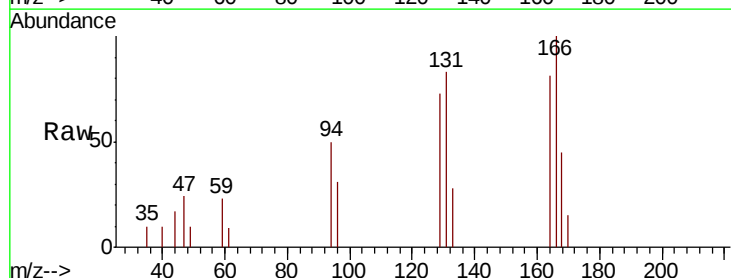
Acq: 12 Jan 2021 04:59

Tgt Ion: 129 Resp: 1379

Ion Ratio Lower Upper

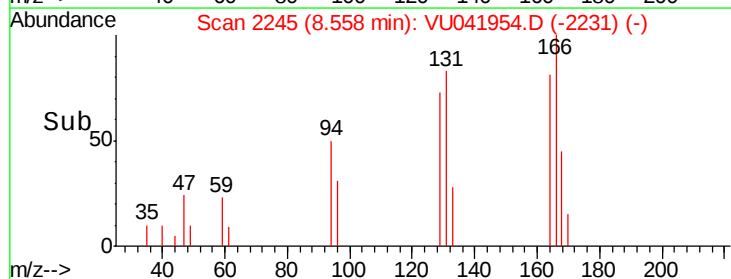
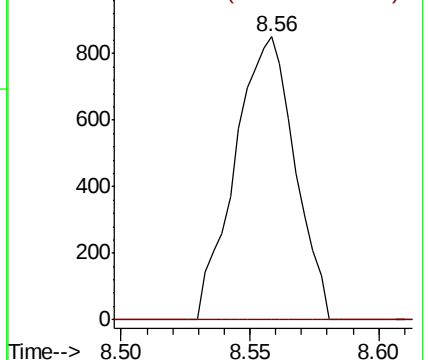
129 100

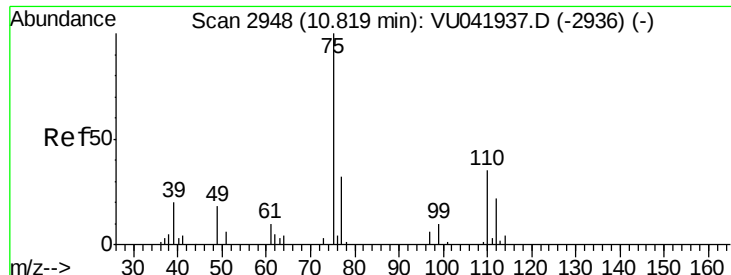
127 0.0 54.9 101.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.791 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041954.D

Acq: 12 Jan 2021 04:59

Instrument :

MSVOA_U

ClientSampleId :

BFXL1

Tot Ion: 75 Resp: 4818

Ion Ratio Lower Upper

75 100

77 32.4 27.0 40.4

