

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100120\
 Data File : VU040427.D
 Acq On : 01 Oct 2020 16:31
 Operator : SY/MD
 Sample : L4202-01DL 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSB4DL

Quant Time: Oct 02 03:22:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 02 03:13:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	120871	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	122364	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51912	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	24308	4.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.20%
7) Chloroethane-d5	1.92	69	26357	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.58	63	42084	2.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.40%#
20) 2-Butanone-d5	4.65	46	156908	52.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.58%
24) Chloroform-d	5.08	84	70696	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.71	65	43677	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.74	84	121117	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.70	67	45173	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.90	98	91548	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	8.19	79	16523	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.64	63	110586	51.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.38%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	43280	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	44541	5.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.20%

Target Compounds

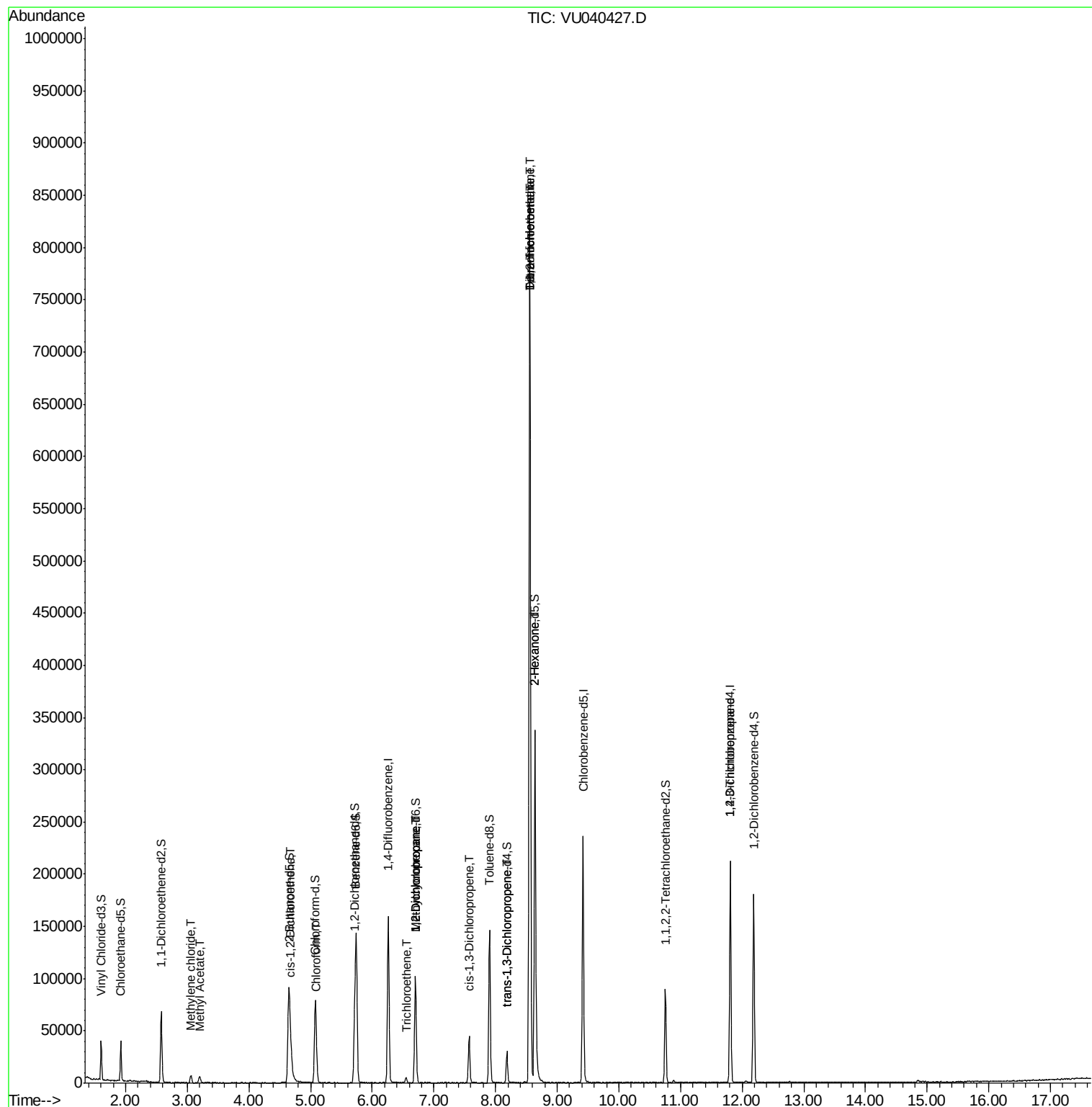
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Methyl Acetate	3.19	43	570	0.096	ug/L #	56
16) Methylene chloride	3.06	84	3200	0.277	ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	3100	0.294	ug/L	96
25) Chloroform	5.11	83	3440	0.173	ug/L	95
34) Trichloroethene	6.55	95	1777	0.163	ug/L	80
35) Methylcyclohexane	6.70	83	10289	0.644	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5464	0.478	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1167	0.076	ug/L #	69
44) trans-1,3-Dichloropropene	8.18	75	845	0.060	ug/L #	81
45) 1,1,2-Trichloroethane	8.55	97	1720	0.215	ug/L #	12
47) Tetrachloroethene	8.56	164	171556	22.185	ug/L	99
48) 2-Hexanone	8.64	43	15309	2.322	ug/L #	73
49) Dibromochloromethane	8.56	129	170799	18.333	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	7022	0.848	ug/L #	82

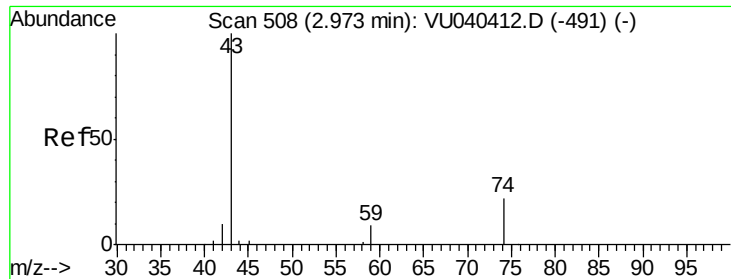
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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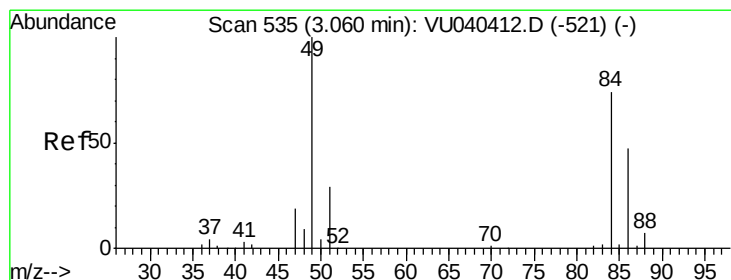
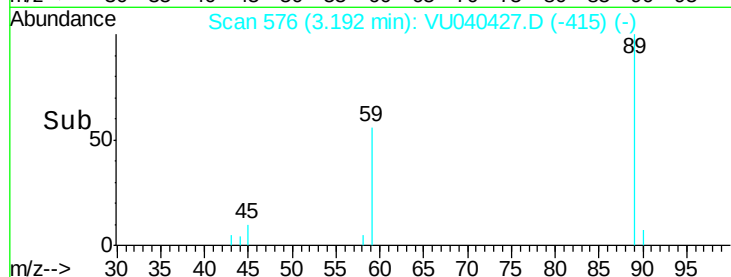
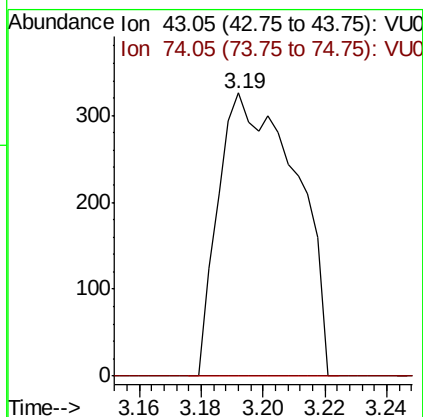
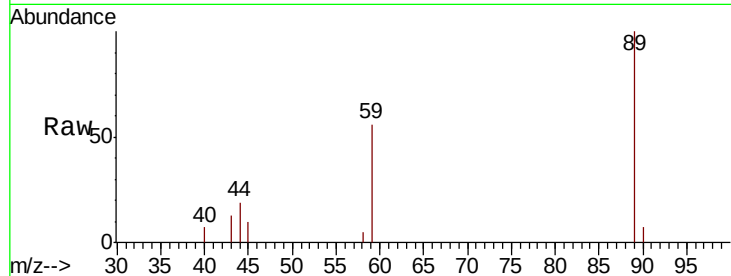




#15
Methvl Acetate
Concen: 0.096 ug/L
RT: 3.19 min Scan# 576
Delta R.T. 0.22 min
Lab File: VU040427.D
Acq: 01 Oct 2020 16:31

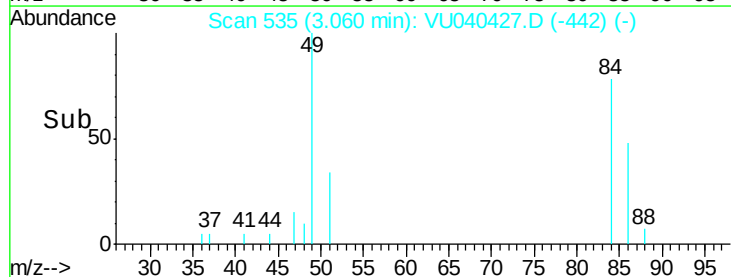
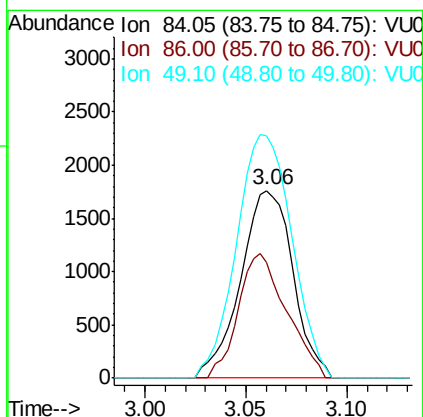
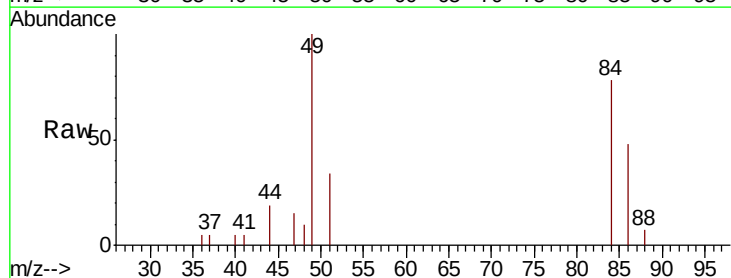
Instrument :
MSVOA_U
ClientSampleId :
BFSB4DL

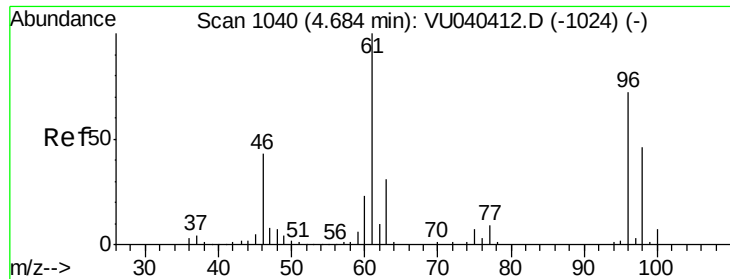
Tot Ion: 43 Resp: 570
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#16
Methylene chloride
Concen: 0.277 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040427.D
Acq: 01 Oct 2020 16:31

Tgt Ion: 84 Resp: 3200
Ion Ratio Lower Upper
84 100
86 61.5 44.4 82.5
49 128.8 92.2 171.2

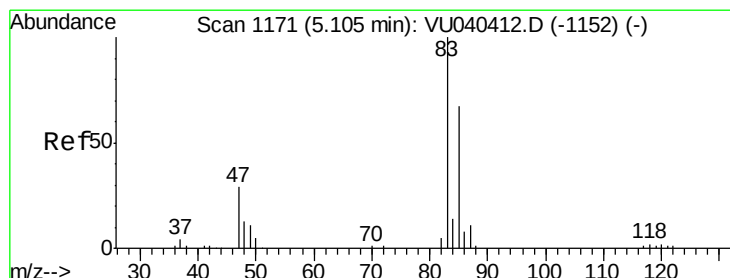
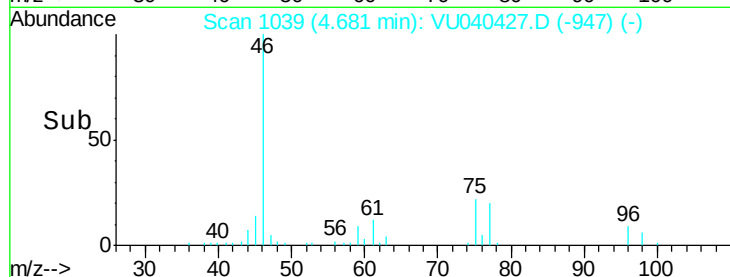
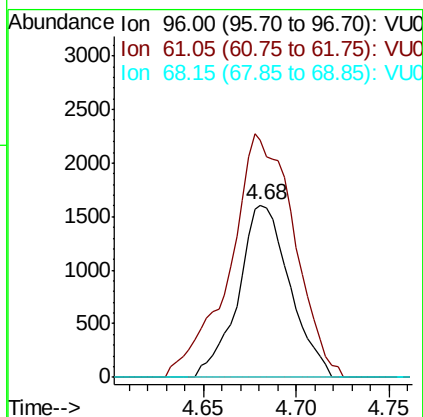
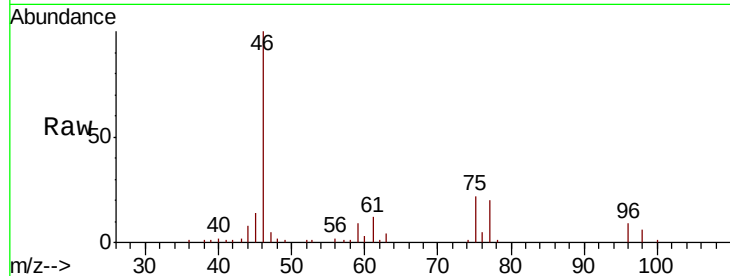




#22
 cis-1,2-Dichloroethene
 Concen: 0.294 ug/L
 RT: 4.68 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: VU040427.D
 Acq: 01 Oct 2020 16:31

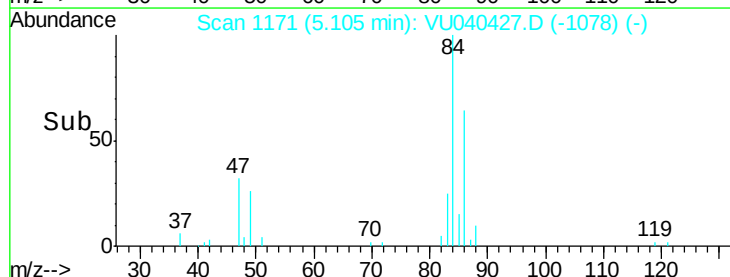
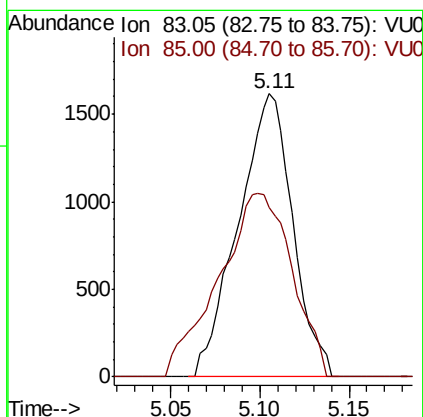
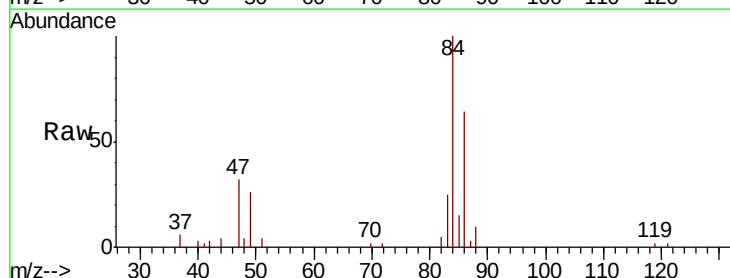
Instrument :
 MSVOA_U
 ClientSampleId :
 BFSB4DL

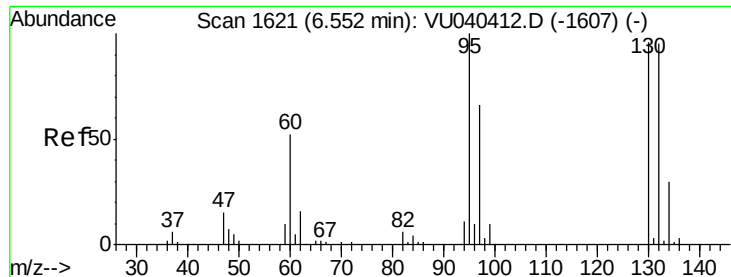
Tot Ion: 96 Resp: 3100
 Ion Ratio Lower Upper
 96 100
 61 137.4 99.3 184.5
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.173 ug/L
 RT: 5.11 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VU040427.D
 Acq: 01 Oct 2020 16:31

Tgt Ion: 83 Resp: 3440
 Ion Ratio Lower Upper
 83 100
 85 59.7 44.6 82.8





#34

Trichloroethene

Concen: 0.163 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VU040427.D

Acq: 01 Oct 2020 16:31

Instrument :

MSVOA_U

ClientSampleId :

BFSB4DL

Tot Ion: 95 Resp: 1777

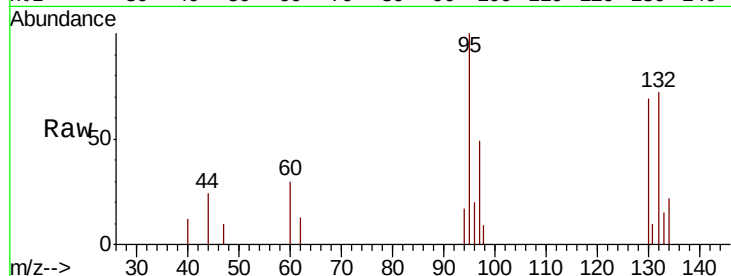
Ion Ratio Lower Upper

95 100

97 48.7 46.3 85.9

132 71.8 60.5 112.3

130 69.3 64.3 119.3

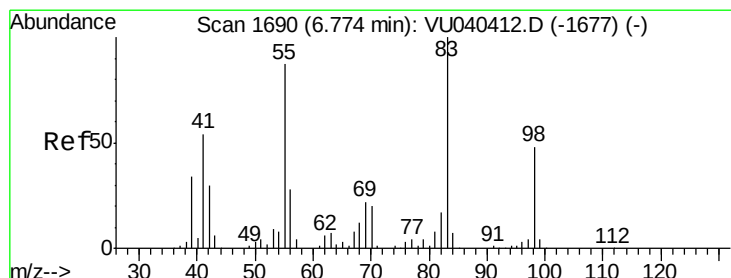
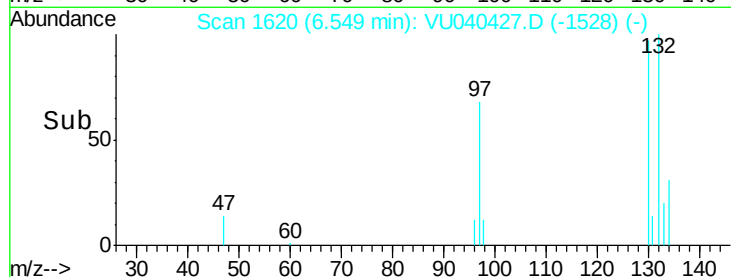
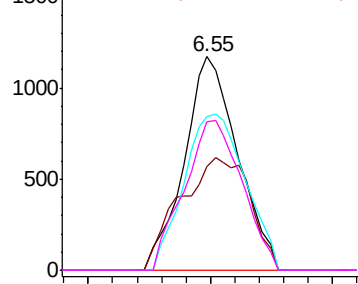


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.644 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU040427.D

Acq: 01 Oct 2020 16:31

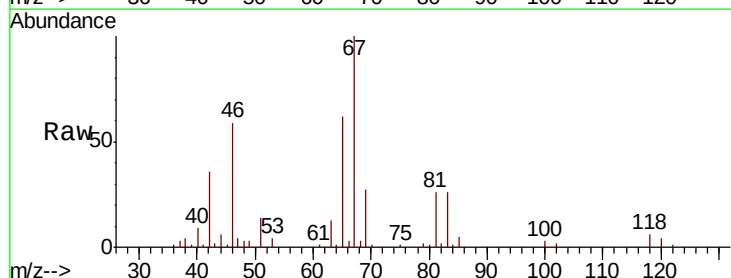
Tgt Ion: 83 Resp: 10289

Ion Ratio Lower Upper

83 100

55 0.0 71.4 107.2#

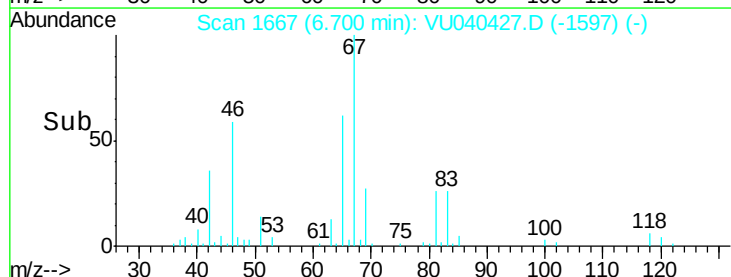
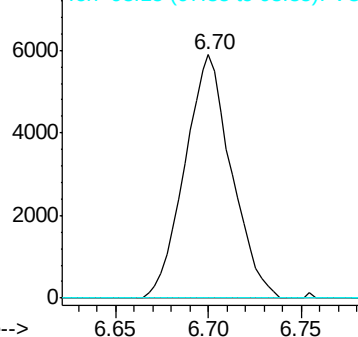
98 1.5 38.5 57.7#

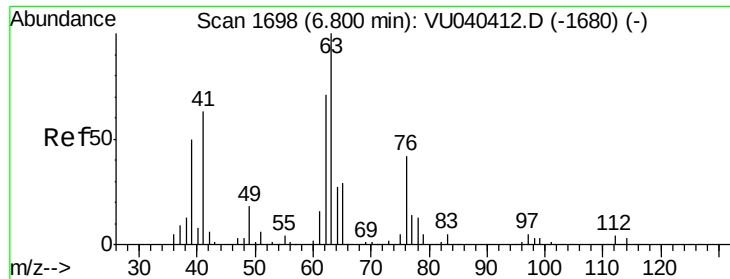


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

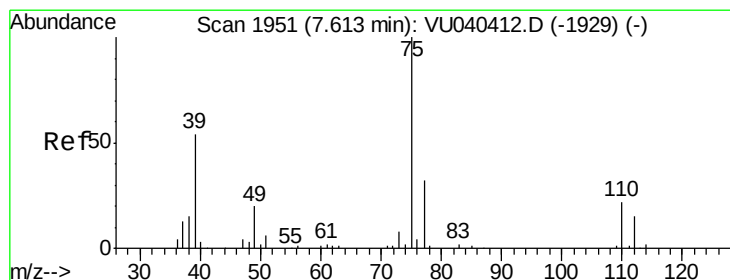
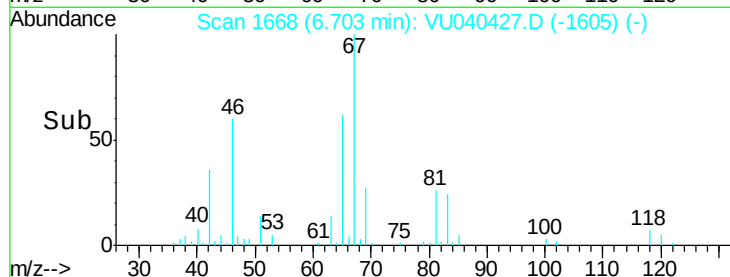
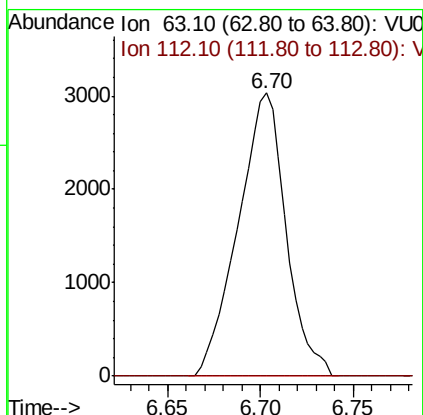
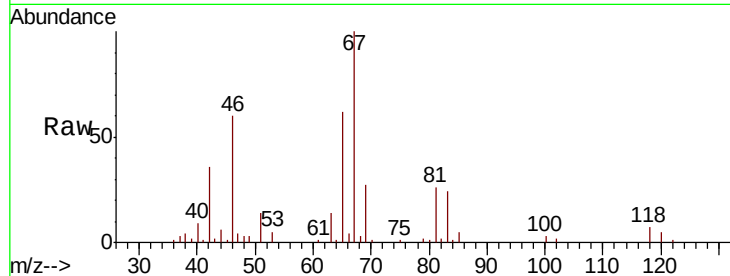




#37
 1,2-Dichloropropane
 Concen: 0.478 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040427.D
 Acq: 01 Oct 2020 16:31

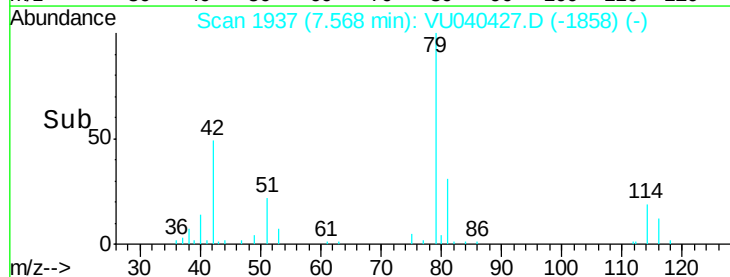
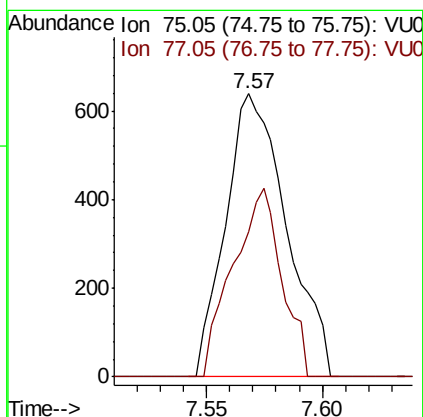
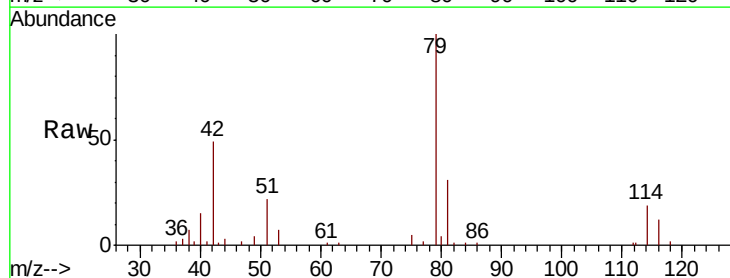
Instrument :
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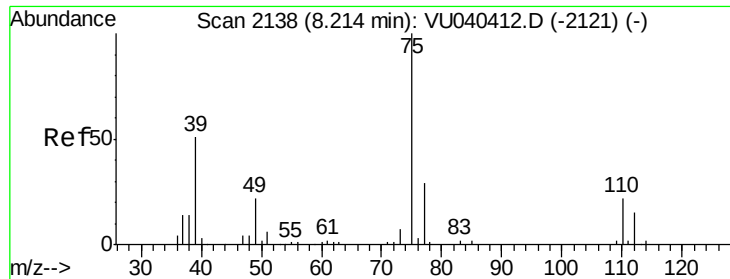
Tot Ion: 63 Resp: 5464
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.076 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.04 min
 Lab File: VU040427.D
 Acq: 01 Oct 2020 16:31

Tgt Ion: 75 Resp: 1167
 Ion Ratio Lower Upper
 75 100
 77 51.3 23.5 43.7#





#44

trans-1,3-Dichloropropene

Concen: 0.060 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040427.D

Acq: 01 Oct 2020 16:31

Instrument :

MSVOA_U

ClientSampleId :

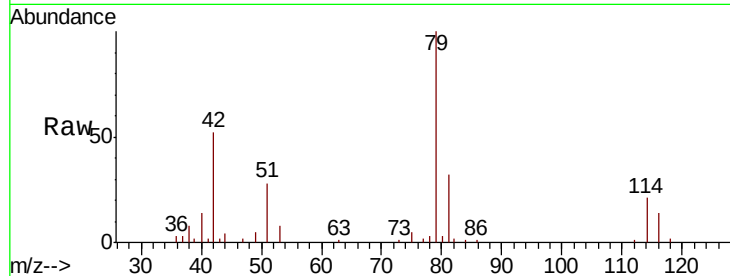
BFSB4DL

Tot Ion: 75 Resp: 845

Ion Ratio Lower Upper

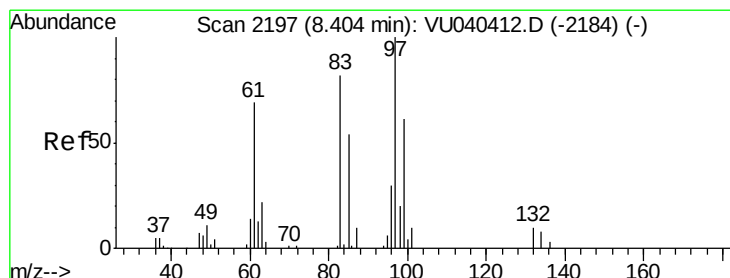
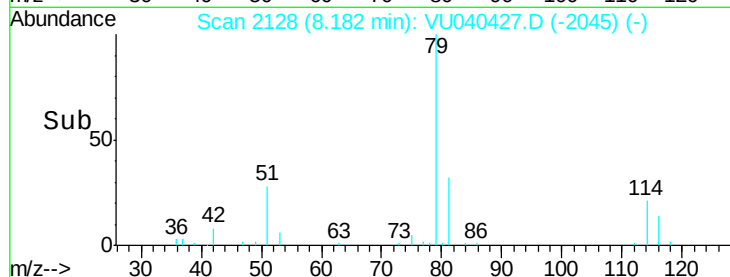
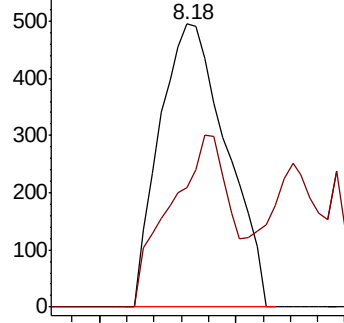
75 100

77 42.2 22.3 41.3#



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: 0.215 ug/L

RT: 8.55 min Scan# 2242

Delta R.T. 0.14 min

Lab File: VU040427.D

Acq: 01 Oct 2020 16:31

Tgt Ion: 97 Resp: 1720

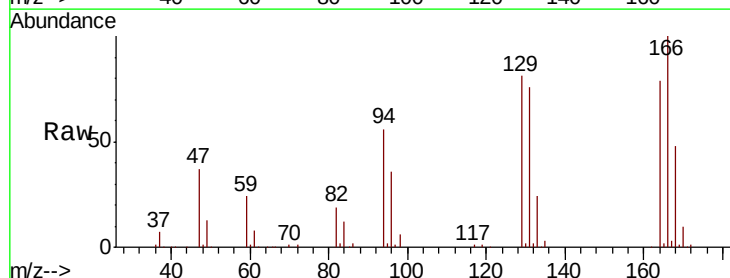
Ion Ratio Lower Upper

97 100

99 0.0 45.8 85.0#

83 209.3 62.9 116.9#

85 33.6 41.7 77.5#

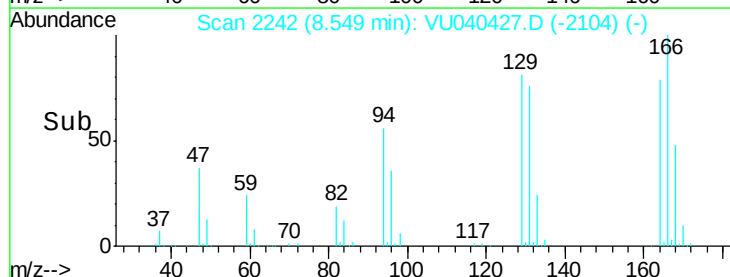
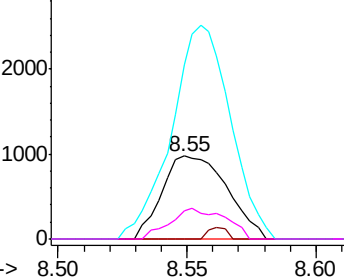


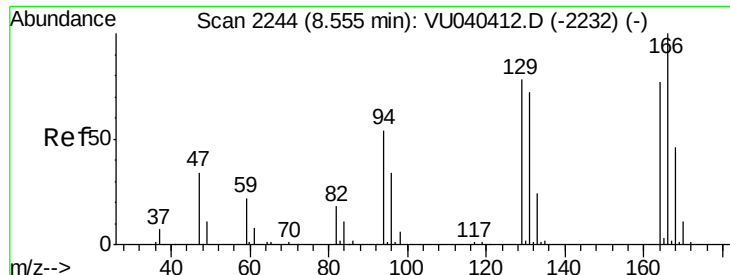
Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 22.185 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU040427.D

Acq: 01 Oct 2020 16:31

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Tot Ion:164 Resp: 171556

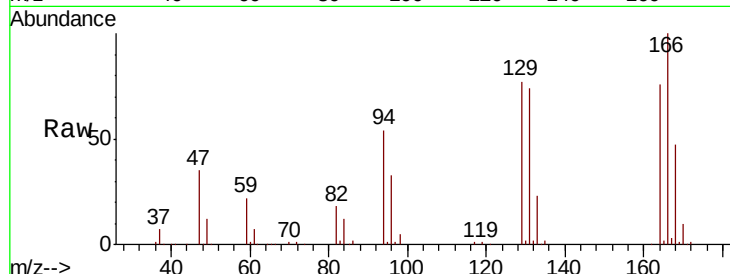
Ion Ratio Lower Upper

164 100

129 100.5 70.3 130.7

131 97.2 69.2 128.6

166 131.1 91.1 169.3

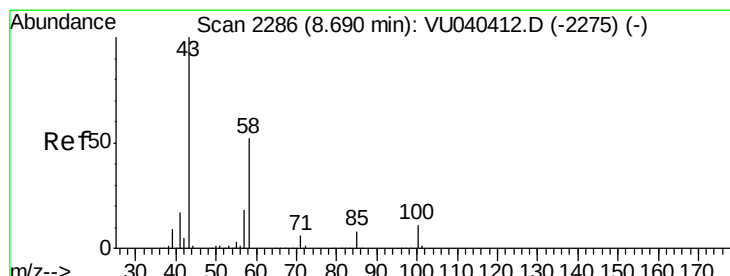
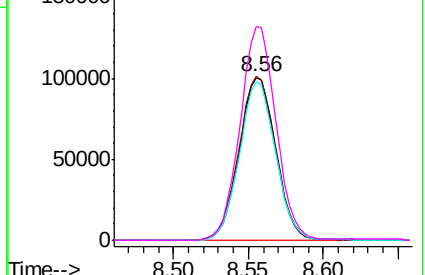
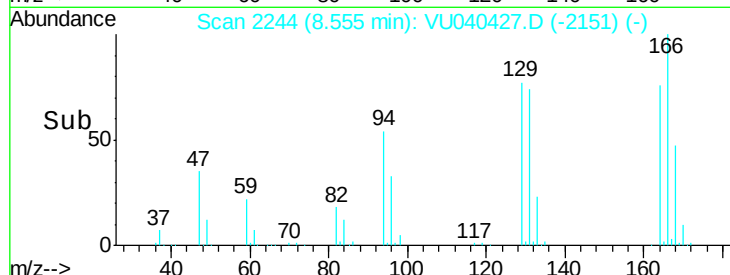


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.322 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU040427.D

Acq: 01 Oct 2020 16:31

Tgt Ion: 43 Resp: 15309

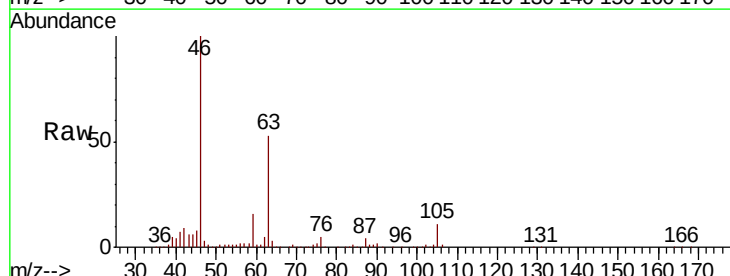
Ion Ratio Lower Upper

43 100

58 30.5 41.0 61.4#

57 28.0 14.6 22.0#

100 0.7 8.2 12.4#

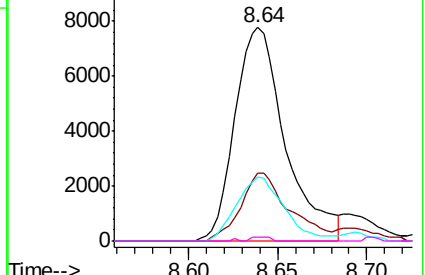
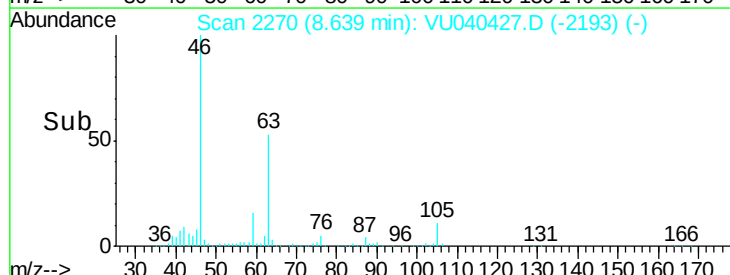


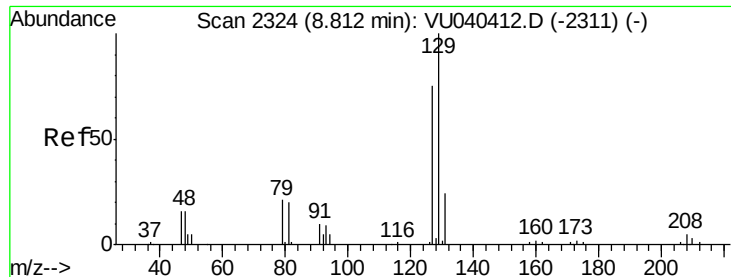
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 18.333 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU040427.D

Acq: 01 Oct 2020 16:31

Instrument :

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ClientSampleId :

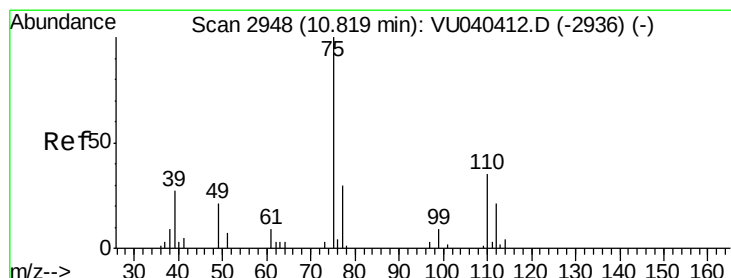
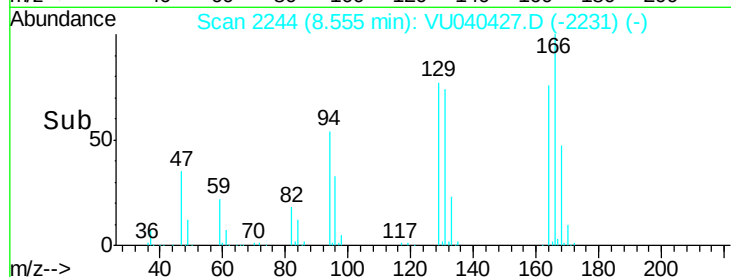
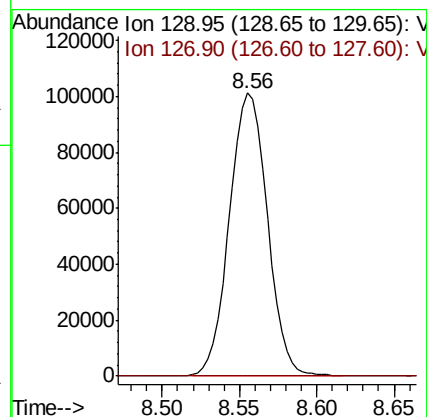
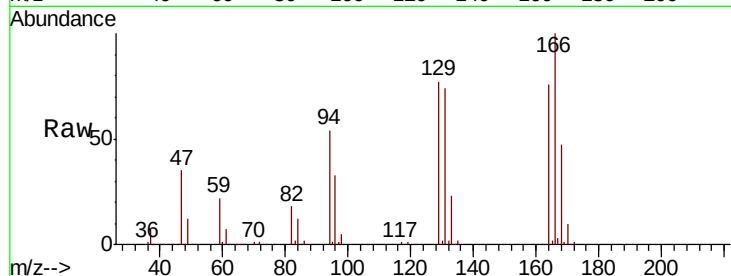
BFSB4DL

Tot Ion:129 Resp: 170799

Ion Ratio Lower Upper

129 100

127 0.0 55.4 103.0#



#59

1,2,3-Trichloropropane

Concen: 0.848 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU040427.D

Acq: 01 Oct 2020 16:31

Tgt Ion: 75 Resp: 7022

Ion Ratio Lower Upper

75 100

77 42.0 25.7 38.5#

