

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100320\
 Data File : VU040490.D
 Acq On : 03 Oct 2020 19:23
 Operator : SY/MD
 Sample : L4266-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFA0

Quant Time: Oct 05 01:05:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 05 00:56:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	122879	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	120578	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52919	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	29373	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.93	69	25340	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.58	63	47643	3.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.20%
20) 2-Butanone-d5	4.67	46	133586	44.21	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.42%
24) Chloroform-d	5.08	84	63205	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
26) 1,2-Dichloroethane-d4	5.72	65	41777	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.75	84	119703	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.70	67	42066	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.91	98	101841	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	8.19	79	16949	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	8.64	63	91576	43.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.04%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	37280	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	40111	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	24678	2.042	ug/L 99
6) Bromomethane	1.87	94	589	0.102	ug/L 78
8) Chloroethane	1.94	64	887	0.126	ug/L # 71
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	471	0.045	ug/L # 22
12) 1,1-Dichloroethene	2.59	96	606	0.065	ug/L # 1
13) Acetone	2.67	43	5685	2.258	ug/L 83
25) Chloroform	5.11	83	2505	0.124	ug/L 81
27) 1,2-Dichloroethane	5.74	62	827	0.059	ug/L # 74
34) Trichloroethene	6.56	95	5223	0.487	ug/L 95
35) Methylcyclohexane	6.70	83	9664	0.614	ug/L # 16
37) 1,2-Dichloropropane	6.70	63	4650	0.413	ug/L # 88
39) cis-1,3-Dichloropropene	7.57	75	1368	0.091	ug/L # 58
45) 1,1,2-Trichloroethane	8.56	97	1921	0.243	ug/L # 10
47) Tetrachloroethene	8.56	164	202424	26.564	ug/L 97
48) 2-Hexanone	8.64	43	13420	2.066	ug/L # 72
49) Dibromochloromethane	8.56	129	201345	21.932	ug/L # 10
59) 1,2,3-Trichloropropane	11.81	75	7488	0.918	ug/L 93

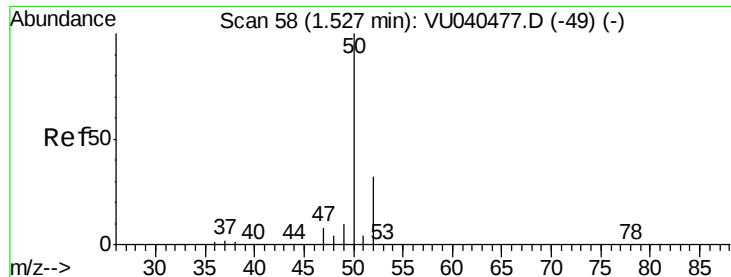
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100320\
Data File : VU040490.D
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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 05 00:56:13 2020
Response via : Initial Calibration

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



#3

Chloromethane

Concen: 2.042 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040490.D

Acq: 03 Oct 2020 19:23

Instrument :

MSVOA_U

ClientSampleId :

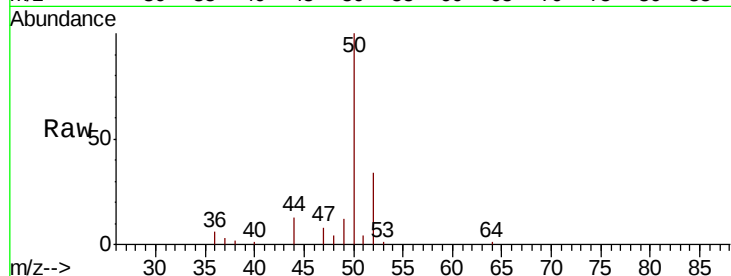
BFSA0

Tot Ion: 50 Resp: 24678

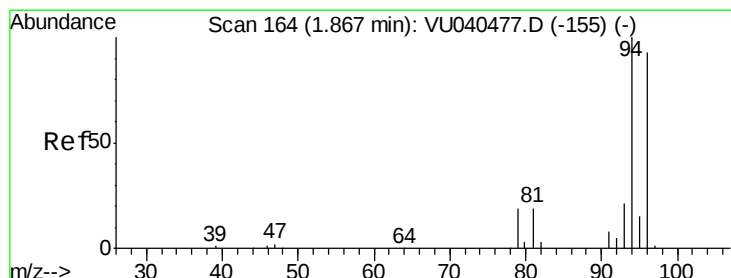
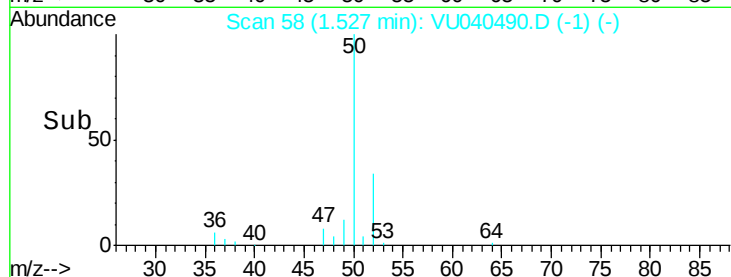
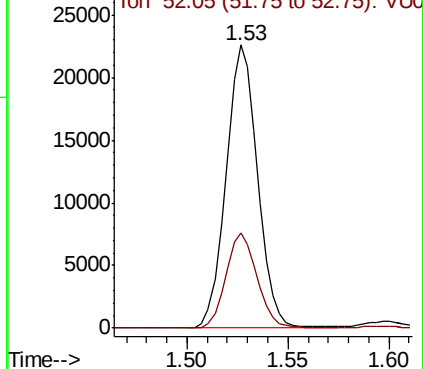
Ion Ratio Lower Upper

50 100

52 33.6 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU040490.D (-1) (-)



#6

Bromomethane

Concen: 0.102 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU040490.D

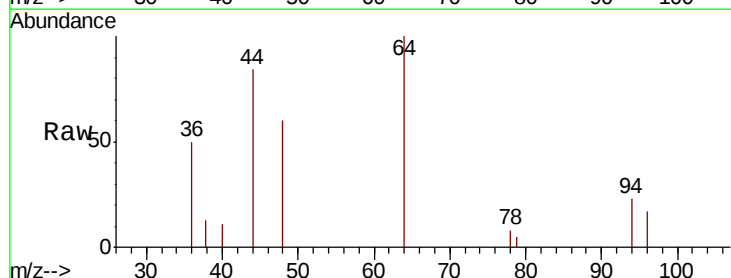
Acq: 03 Oct 2020 19:23

Tgt Ion: 94 Resp: 589

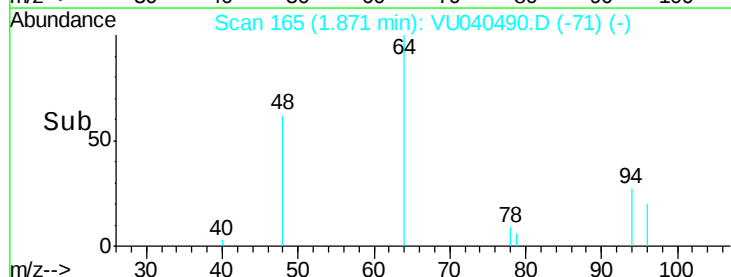
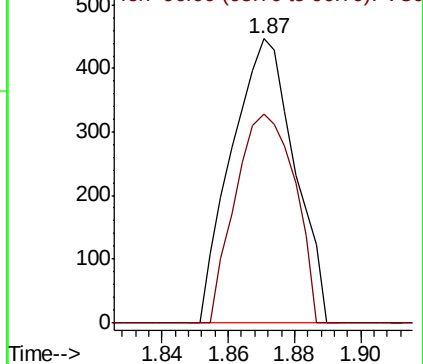
Ion Ratio Lower Upper

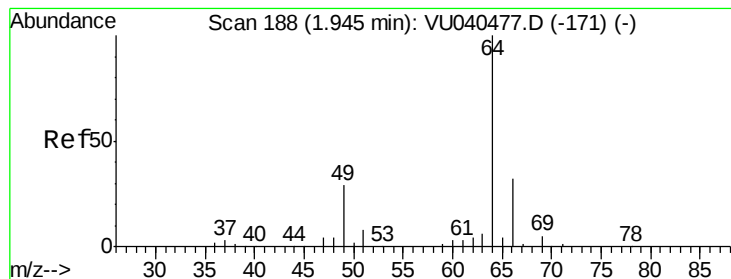
94 100

96 73.4 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU040490.D (-71) (-)





#8

Chloroethane

Concen: 0.126 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040490.D

Acq: 03 Oct 2020 19:23

Instrument :

MSVOA_U

ClientSampled :

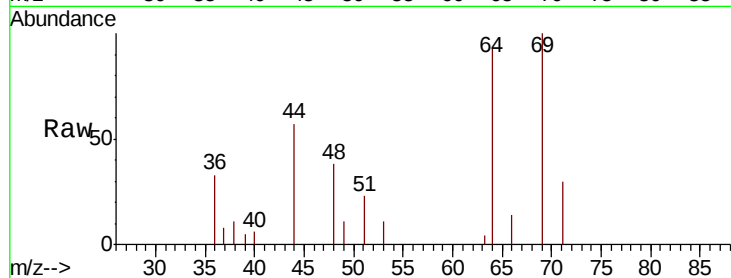
BFSA0

Tot Ion: 64 Resp: 887

Ion Ratio Lower Upper

64 100

66 14.8 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU040477.D (-171) (-)

Ion 66.05 (65.75 to 66.75): VU040477.D (-171) (-)

1.94

2500

2000

1500

1000

500

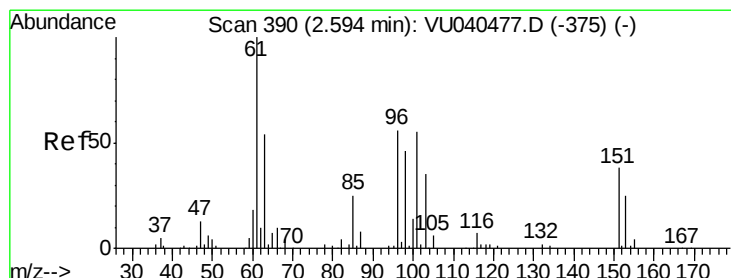
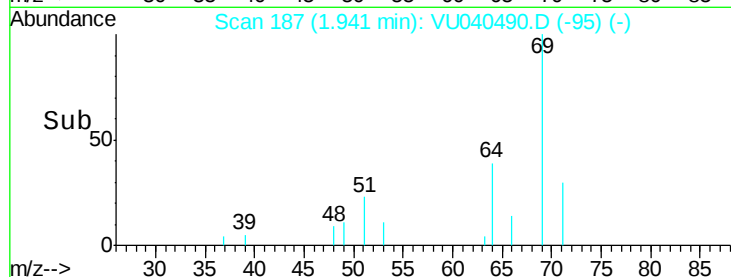
0

1.92

1.94

1.96

Time-->



#10

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

Concen: 0.045 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040490.D

Acq: 03 Oct 2020 19:23

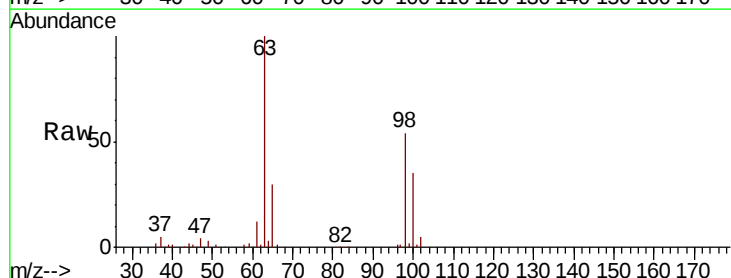
Tgt Ion: 101 Resp: 471

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.6#

151 0.0 55.4 83.2#



Abundance Ion 101.00 (100.70 to 101.70): VU040477.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VU040477.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VU040477.D (-375) (-)

2.58

300

200

100

0

2.54

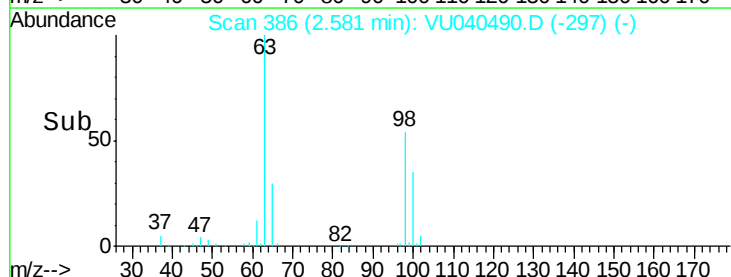
2.56

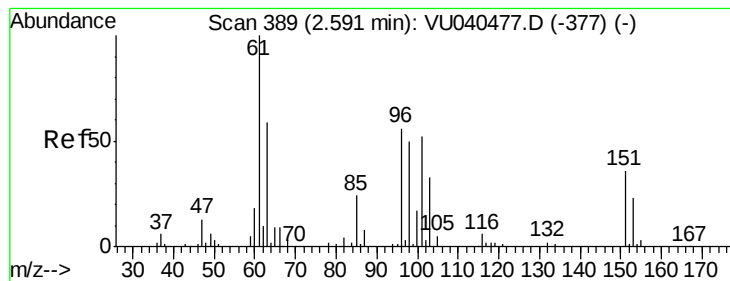
2.58

2.60

2.62

Time-->





#12

1,1-Dichloroethene

Concen: 0.065 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040490.D

Acq: 03 Oct 2020 19:23

Instrument :

MSVOA_U

ClientSampleId :

BFSA0

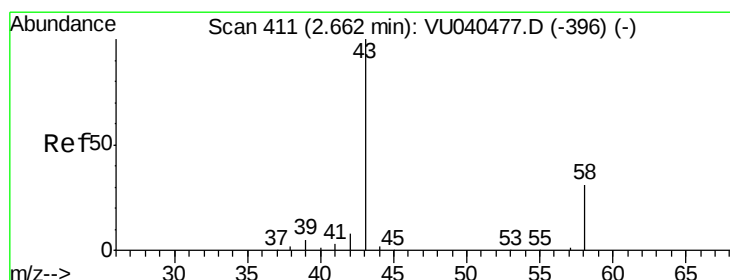
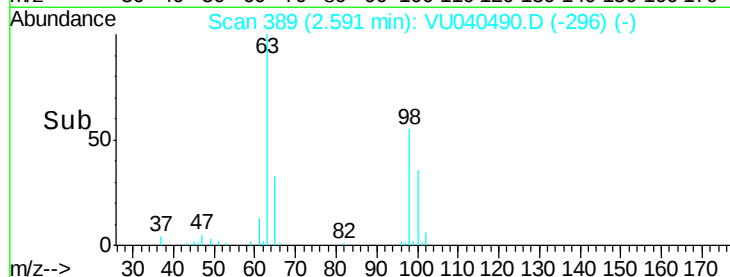
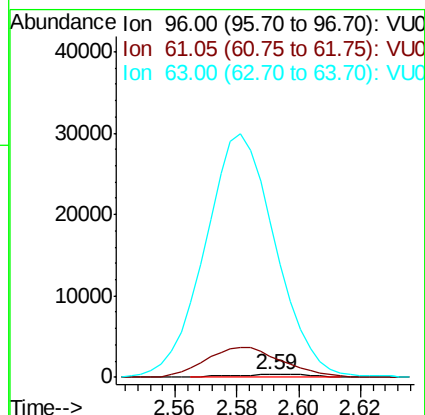
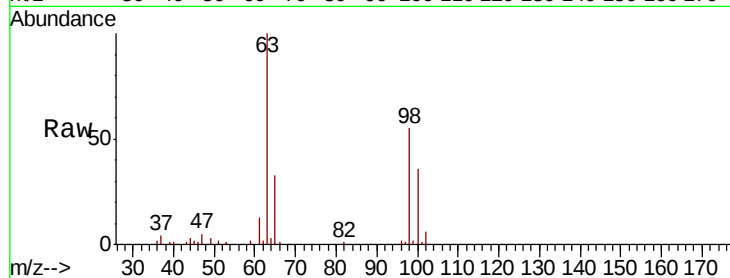
Tot Ion: 96 Resp: 606

Ion Ratio Lower Upper

96 100

61 742.7 128.6 238.8#

63 5583.7 67.8 126.0#



#13

Acetone

Concen: 2.258 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU040490.D

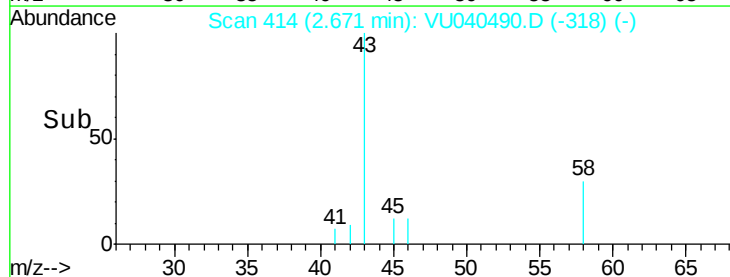
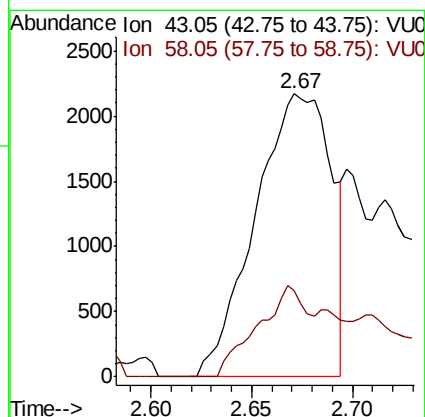
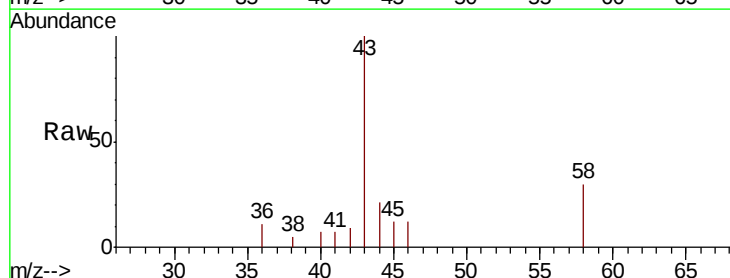
Acq: 03 Oct 2020 19:23

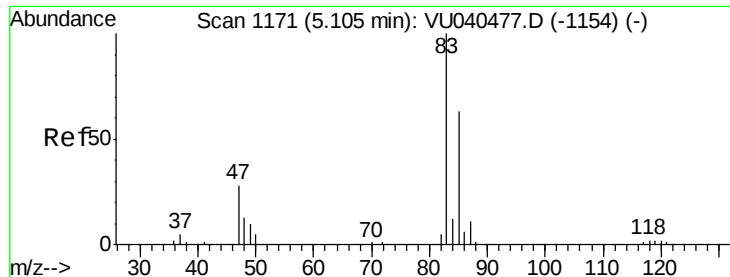
Tgt Ion: 43 Resp: 5685

Ion Ratio Lower Upper

43 100

58 21.5 0.0 61.8

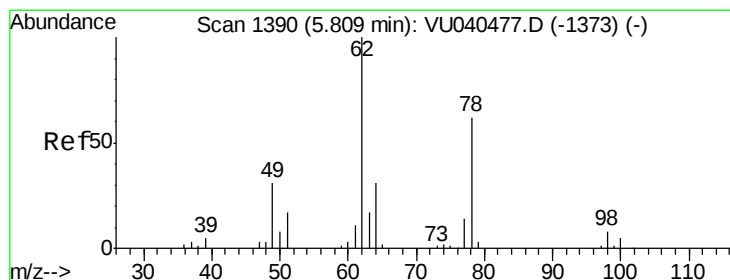
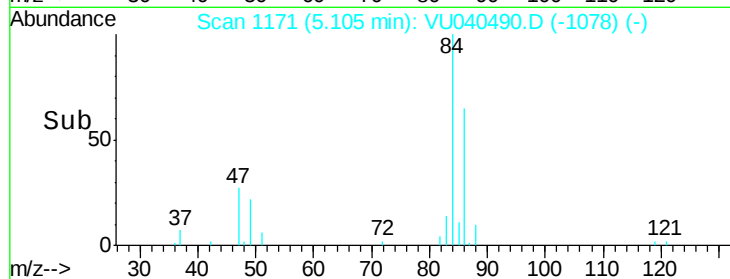
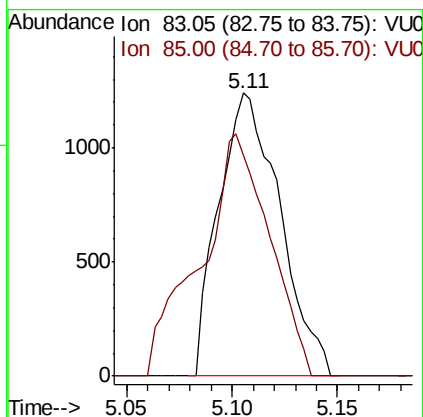
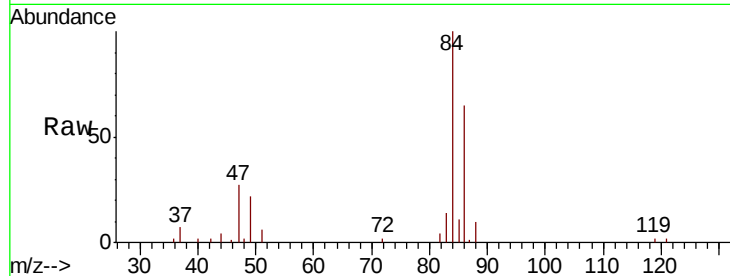




#25
Chloroform
Concen: 0.124 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040490.D
Acq: 03 Oct 2020 19:23

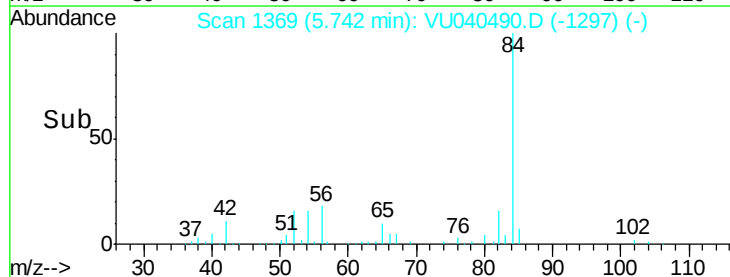
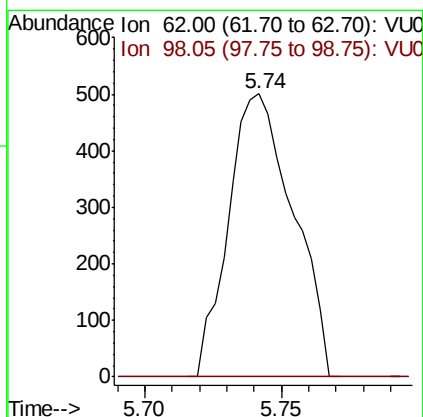
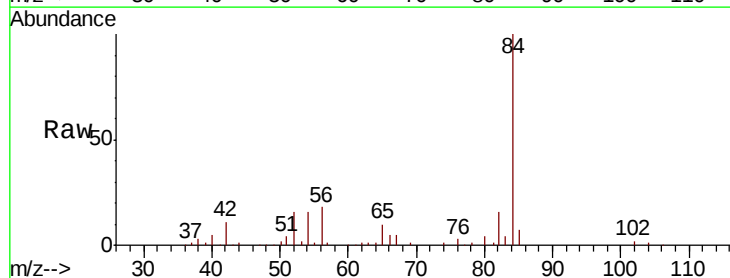
Instrument :
MSVOA_U
ClientSampled :
BFS00

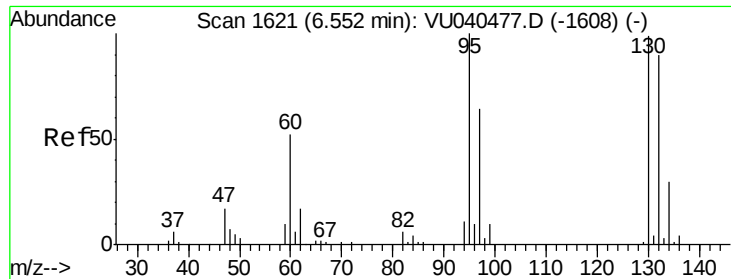
Tot Ion: 83 Resp: 2505
Ion Ratio Lower Upper
83 100
85 78.1 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.059 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.07 min
Lab File: VU040490.D
Acq: 03 Oct 2020 19:23

Tgt Ion: 62 Resp: 827
Ion Ratio Lower Upper
62 100
98 0.0 7.5 11.3#

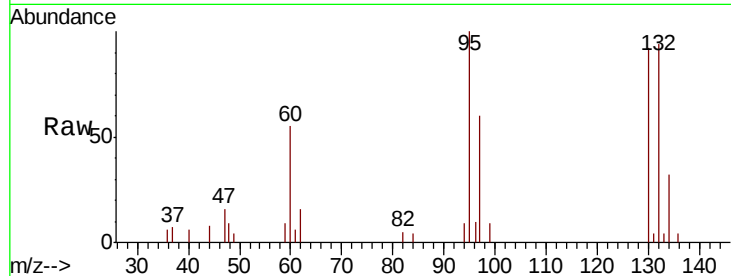




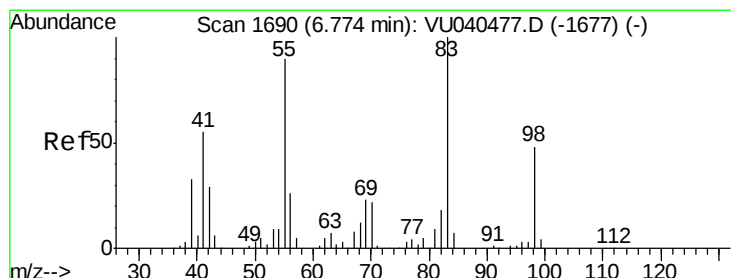
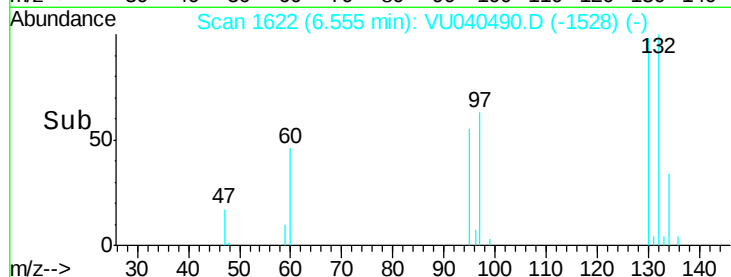
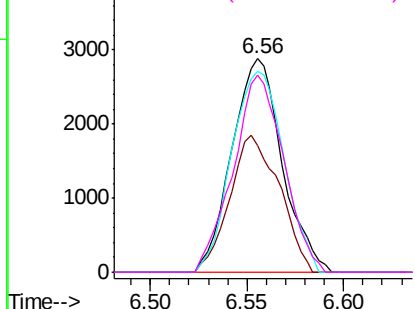
#34
 Trichloroethene
 Concen: 0.487 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040490.D
 Acq: 03 Oct 2020 19:23

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS00

Tot Ion: 95 Resp: 5223
 Ion Ratio Lower Upper
 95 100
 97 59.6 46.3 85.9
 132 93.9 60.5 112.3
 130 92.3 64.3 119.3

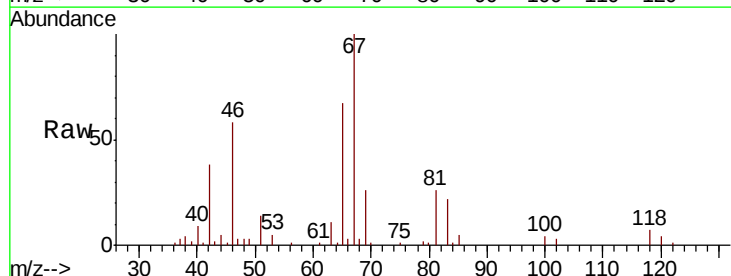


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

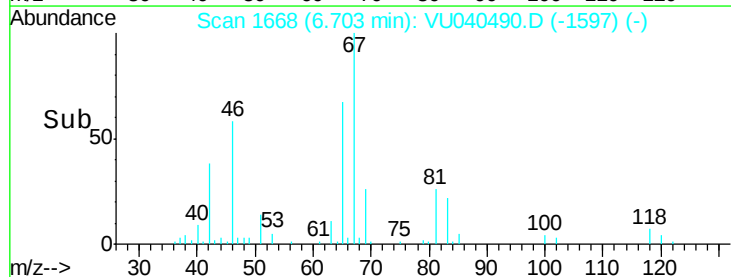
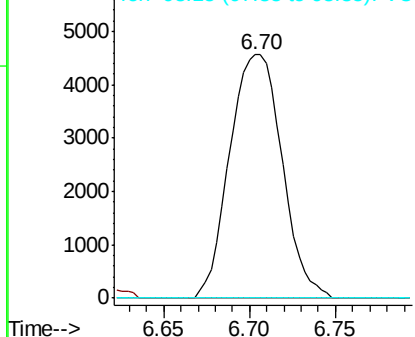


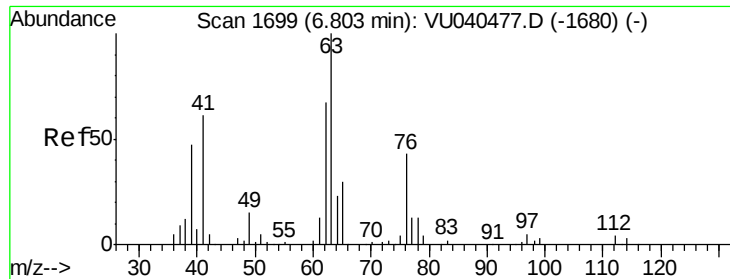
#35
 Methylcyclohexane
 Concen: 0.614 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040490.D
 Acq: 03 Oct 2020 19:23

Tgt Ion: 83 Resp: 9664
 Ion Ratio Lower Upper
 83 100
 55 3.7 71.4 107.2#
 98 1.2 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

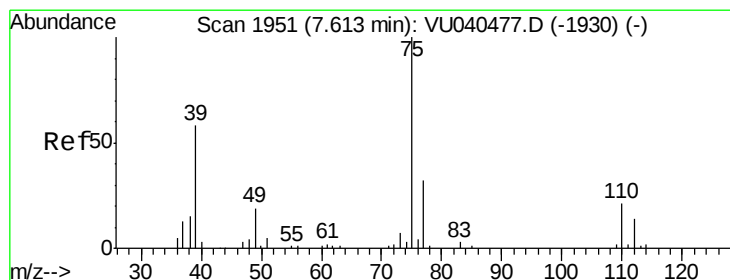
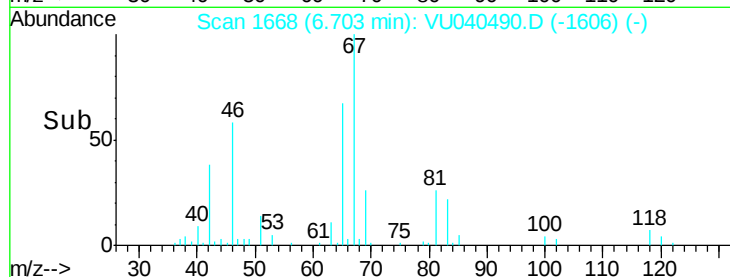
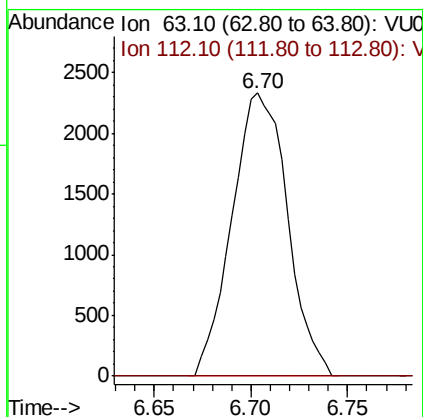
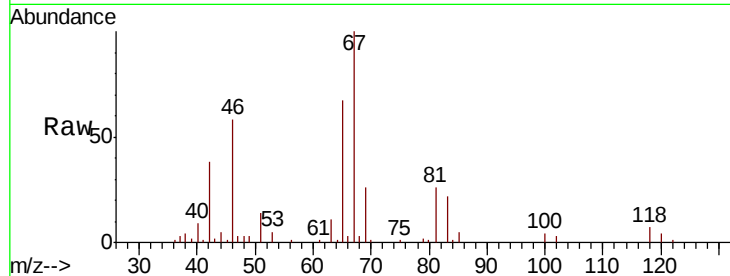




#37
 1,2-Dichloropropane
 Concen: 0.413 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040490.D
 Acq: 03 Oct 2020 19:23

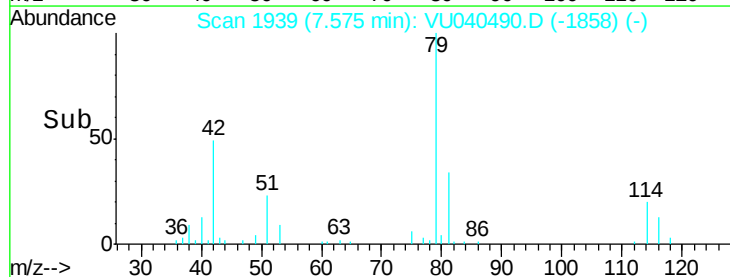
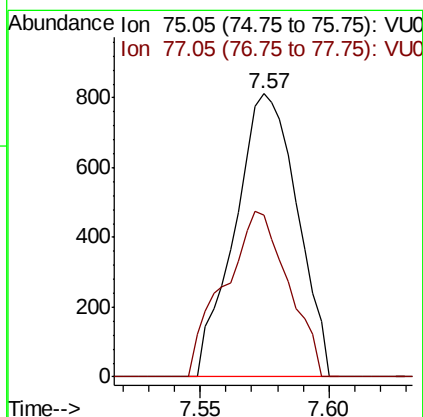
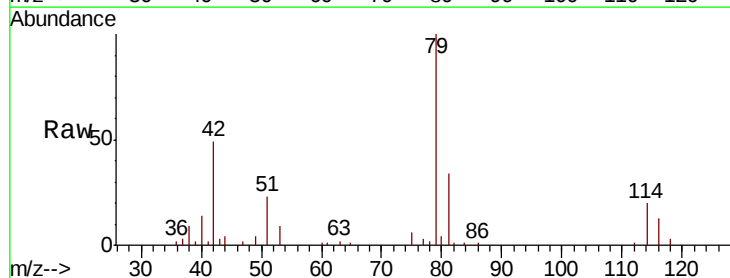
Instrument :
 MSVOA_U
 ClientSampleId :
 BFS00

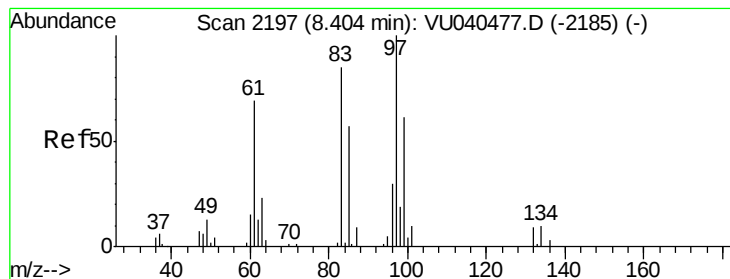
Tot Ion: 63 Resp: 4650
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.091 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040490.D
 Acq: 03 Oct 2020 19:23

Tgt Ion: 75 Resp: 1368
 Ion Ratio Lower Upper
 75 100
 77 57.3 23.5 43.7#





#45

1,1,2-Trichloroethane

Concen: 0.243 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.15 min

Lab File: VU040490.D

Acq: 03 Oct 2020 19:23

Instrument :

MSVOA_U

ClientSampleId :

BFS0A0

Tot Ion: 97 Resp: 1921

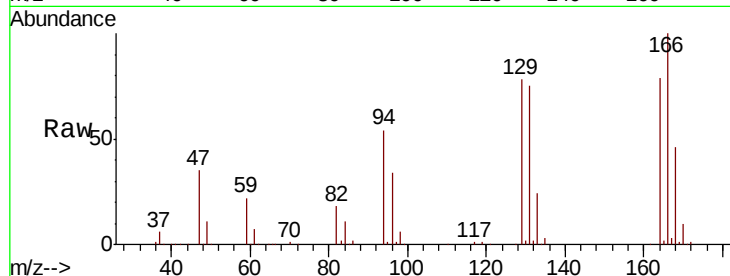
Ion Ratio Lower Upper

97 100

99 17.8 45.8 85.0#

83 236.0 62.9 116.9#

85 41.6 41.7 77.5#



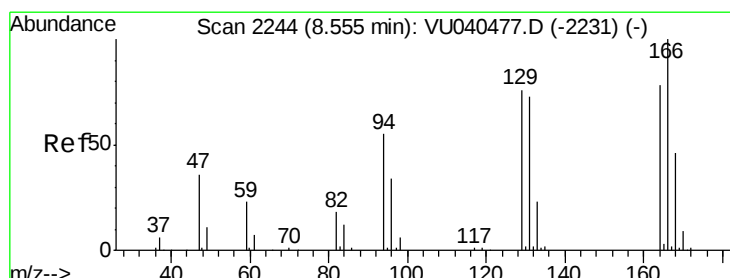
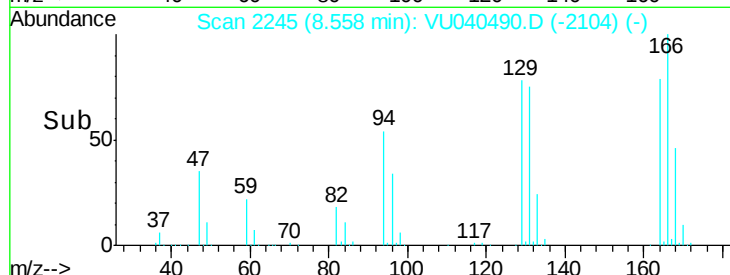
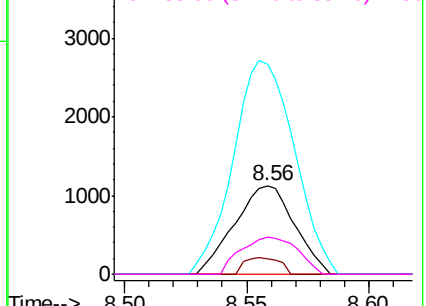
Abundance

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: 26.564 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040490.D

Acq: 03 Oct 2020 19:23

Tgt Ion: 164 Resp: 202424

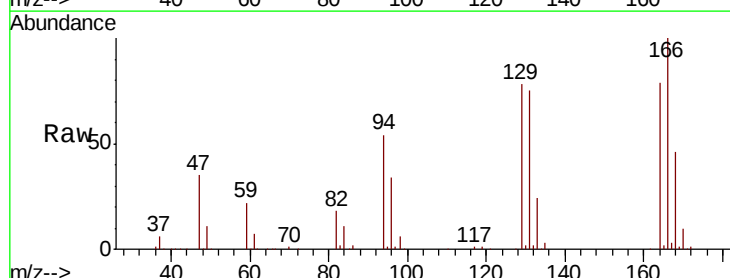
Ion Ratio Lower Upper

164 100

129 98.6 70.3 130.7

131 95.1 69.2 128.6

166 127.1 91.1 169.3



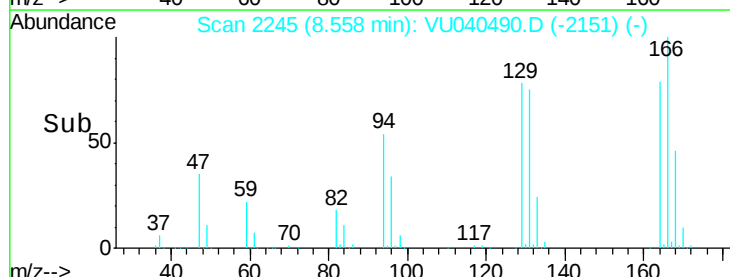
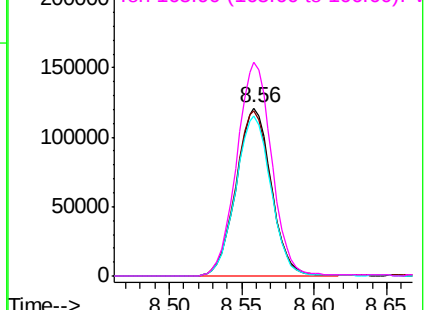
Abundance

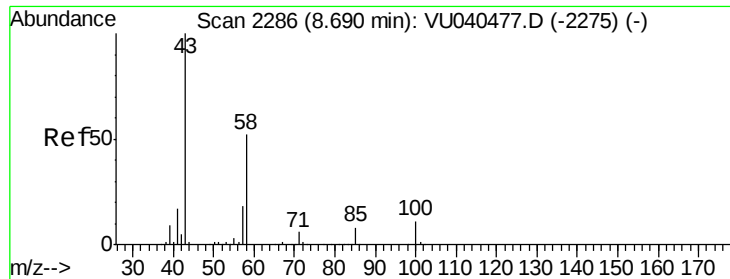
Ion 163.90 (163.60 to 164.60): V

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

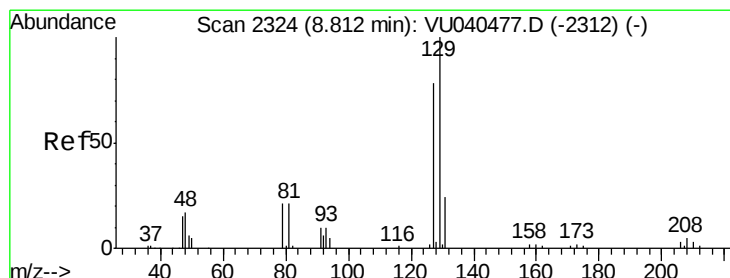
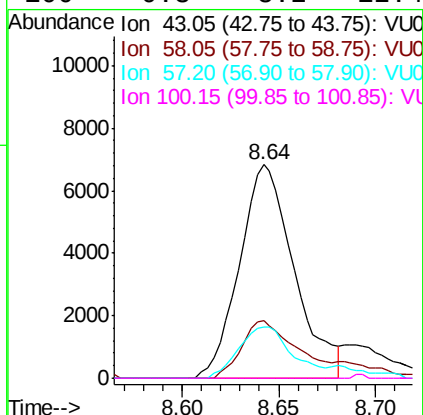
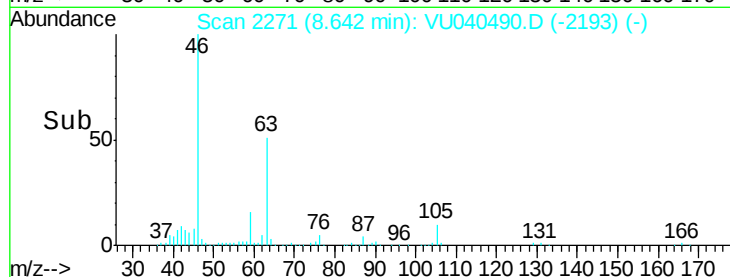
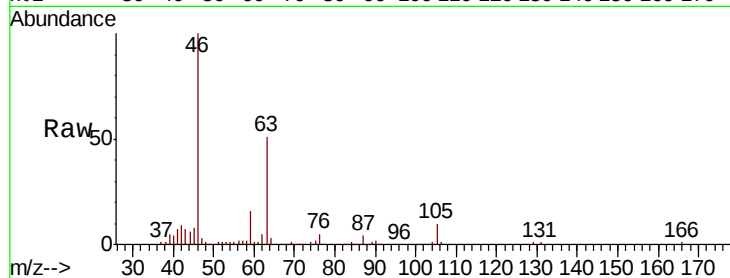




#48
2-Hexanone
Concen: 2.066 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040490.D
Acq: 03 Oct 2020 19:23

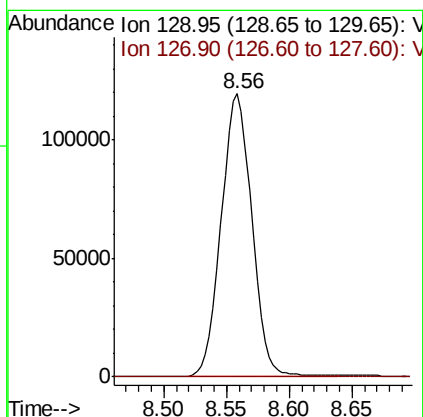
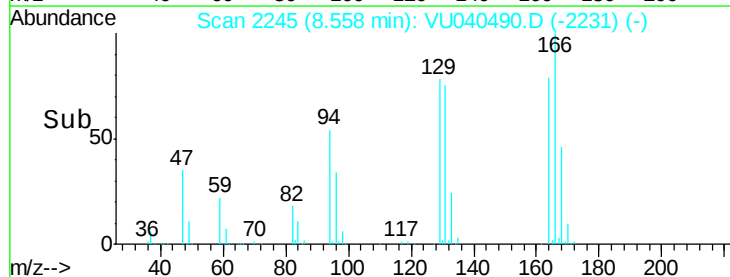
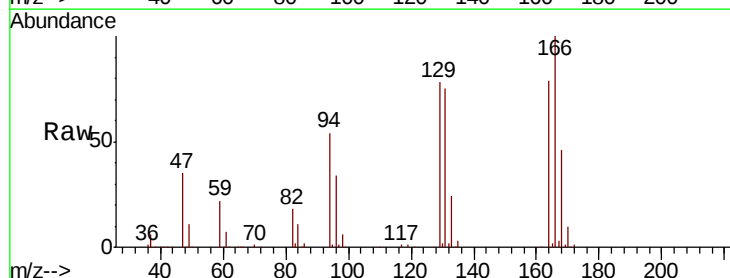
Instrument :
MSVOA_U
ClientSampleId :
BFS0A0

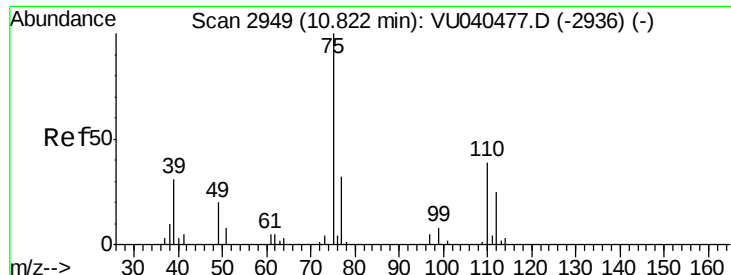
Tot Ion: 43 Resp: 13420
Ion Ratio Lower Upper
43 100
58 27.1 41.0 61.4#
57 23.7 14.6 22.0#
100 0.3 8.2 12.4#



#49
Dibromochloromethane
Concen: 21.932 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU040490.D
Acq: 03 Oct 2020 19:23

Tgt Ion: 129 Resp: 201345
Ion Ratio Lower Upper
129 100
127 0.1 55.4 103.0#





#59

1,2,3-Trichloropropane

Concen: 0.918 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040490.D

Acq: 03 Oct 2020 19:23

Instrument :

MSVOA_U

ClientSampleId :

BFSA0

Tot Ion: 75 Resp: 7488

Ion Ratio Lower Upper

75 100

77 35.9 25.7 38.5

