

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100320\
 Data File : VU040491.D
 Acq On : 03 Oct 2020 19:47
 Operator : SY/MD
 Sample : L4266-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS3

Quant Time: Oct 05 01:05:29 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	122324	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	123484	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52470	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	30142	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.92	69	25791	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.58	63	49498	3.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.00%
20) 2-Butanone-d5	4.66	46	135039	44.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.78%
24) Chloroform-d	5.08	84	64076	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.72	65	41388	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.75	84	123516	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.70	67	43265	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.91	98	101452	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	8.19	79	16315	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.64	63	91102	41.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.58%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	38068	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	41427	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	8647	0.719	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	488	0.047	ug/L #	22
13) Acetone	2.67	43	4650	1.855	ug/L	76
14) Carbon disulfide	2.81	76	1614	0.055	ug/L #	92
25) Chloroform	5.11	83	1882	0.093	ug/L	91
27) 1,2-Dichloroethane	5.75	62	735	0.053	ug/L #	74
35) Methylcyclohexane	6.70	83	9765	0.606	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5041	0.437	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1196	0.077	ug/L #	54
42) Toluene	7.97	91	1454	0.034	ug/L	93
44) trans-1,3-Dichloropropene	8.19	75	769	0.054	ug/L	87
45) 1,1,2-Trichloroethane	8.56	97	754	0.093	ug/L #	1
47) Tetrachloroethene	8.56	164	91104	11.674	ug/L	97
48) 2-Hexanone	8.64	43	14659	2.203	ug/L #	71
49) Dibromochloromethane	8.56	129	89876	9.559	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	7296	0.873	ug/L	90

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 05 00:56:13 2020
Response via : Initial Calibration

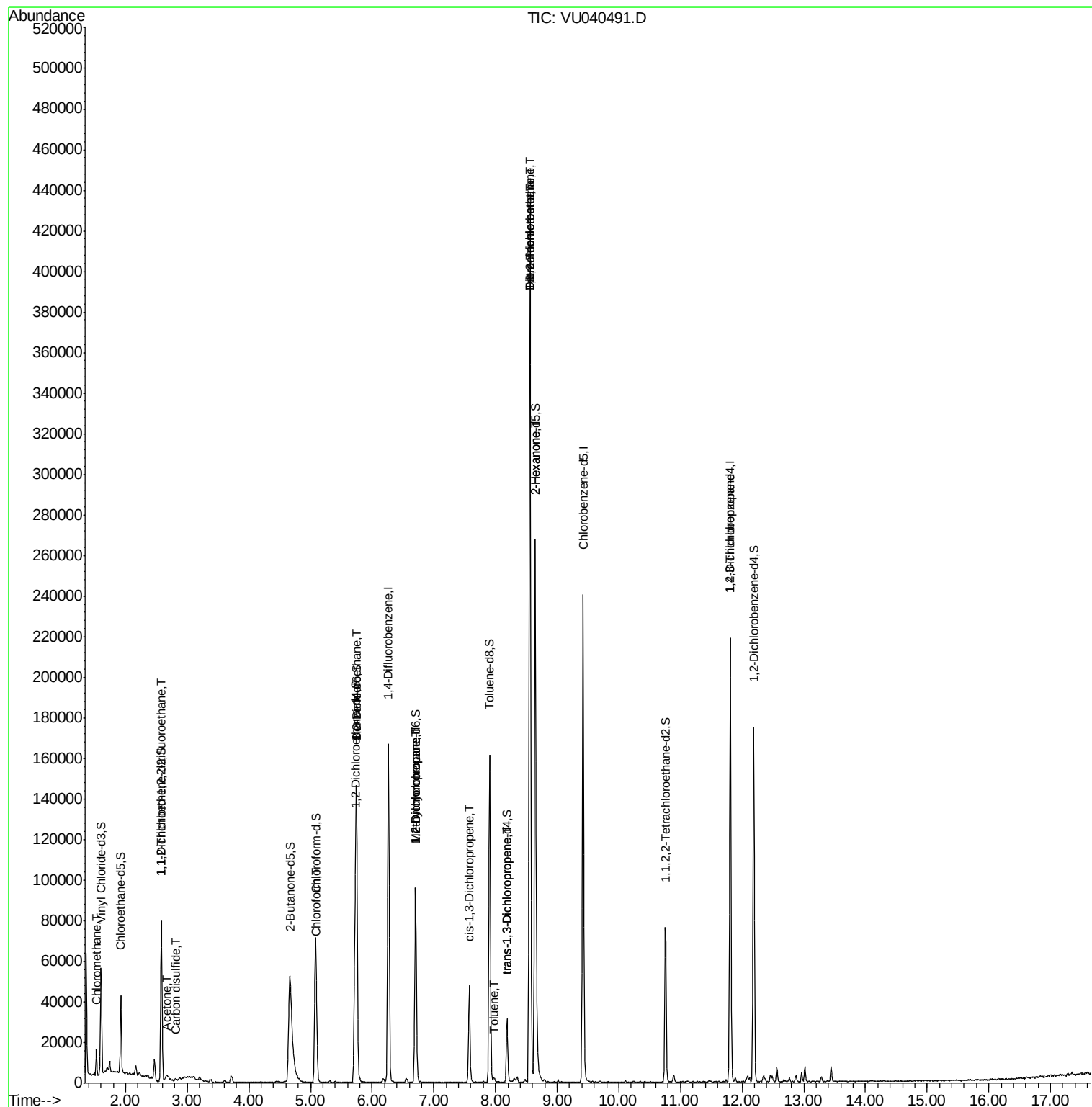
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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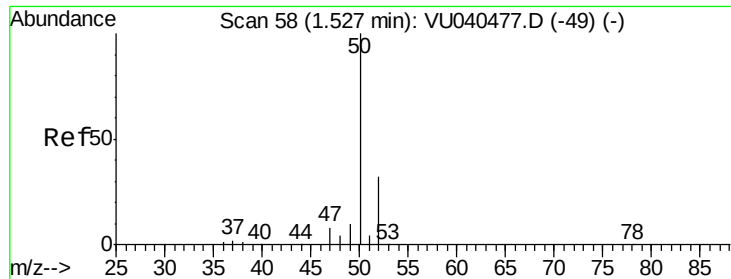
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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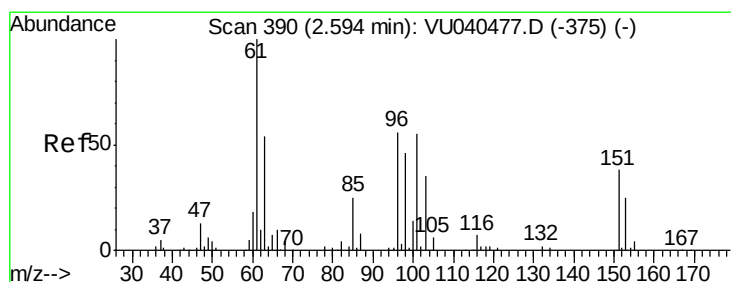
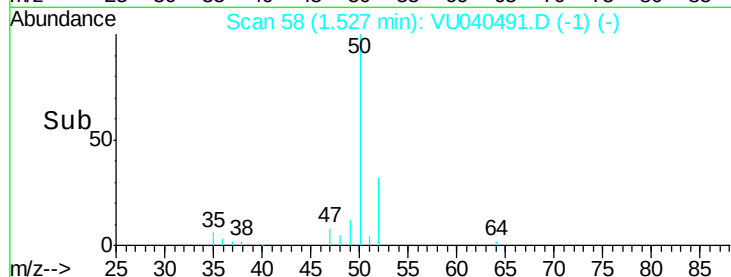
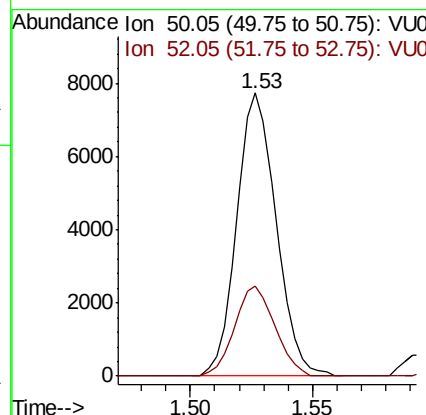
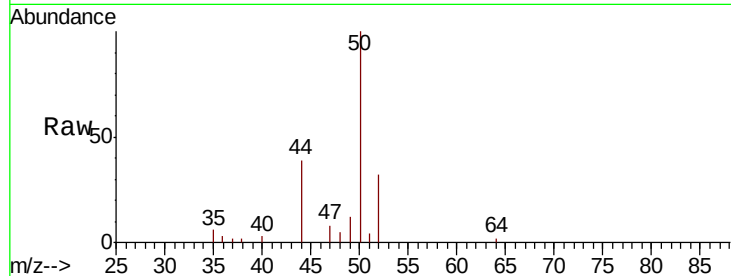




#3
Chloromethane
Concen: 0.719 ug/L
RT: 1.53 min Scan# 58
Delta R.T. 0.00 min
Lab File: VU040491.D
Acq: 03 Oct 2020 19:47

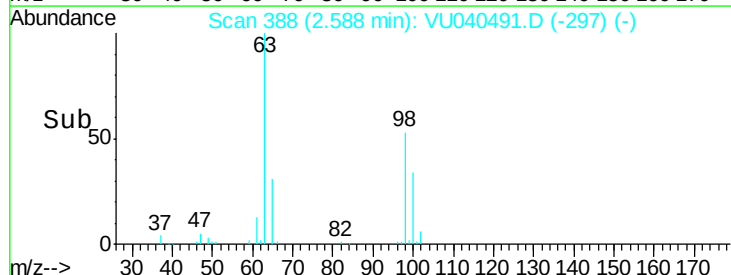
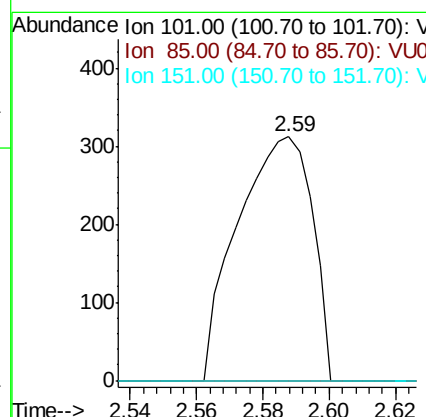
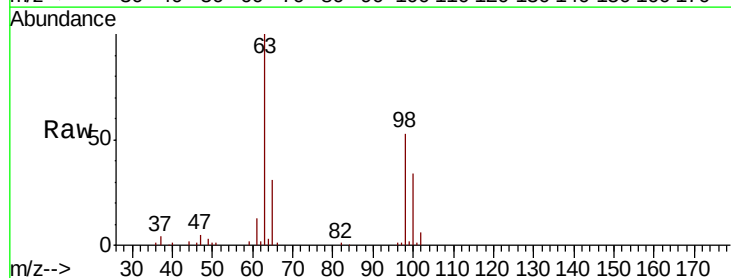
Instrument :
MSVOA_U
ClientSampleId :
BFS3A3

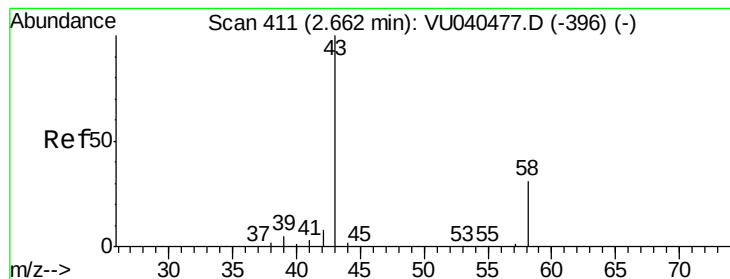
Tot Ion: 50 Resp: 8647
Ion Ratio Lower Upper
50 100
52 31.8 23.0 42.6



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.047 ug/L
RT: 2.59 min Scan# 388
Delta R.T. -0.01 min
Lab File: VU040491.D
Acq: 03 Oct 2020 19:47

Tgt Ion: 101 Resp: 488
Ion Ratio Lower Upper
101 100
85 0.0 35.0 52.6#
151 0.0 55.4 83.2#





#13

Acetone

Concen: 1.855 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU040491.D

Acq: 03 Oct 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

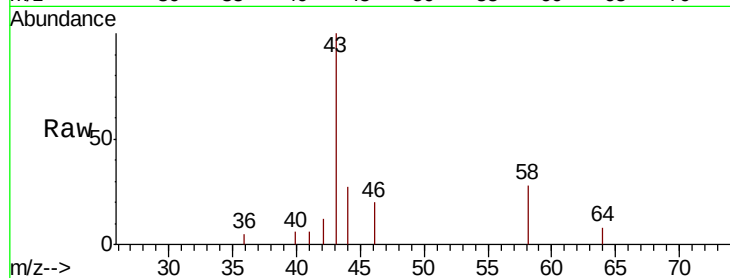
BFSA3

Tot Ion: 43 Resp: 4650

Ion Ratio Lower Upper

43 100

58 44.2 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU040491.D (-318) (-)

Ion 58.05 (57.75 to 58.75): VU040491.D (-318) (-)

2.67

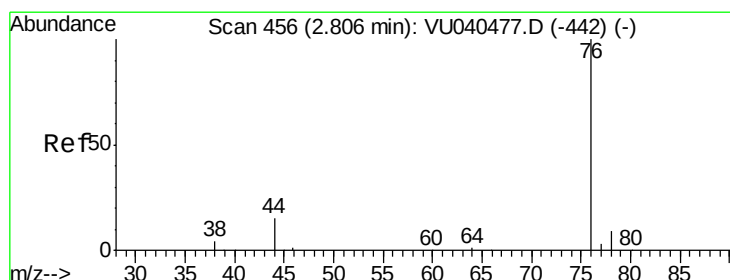
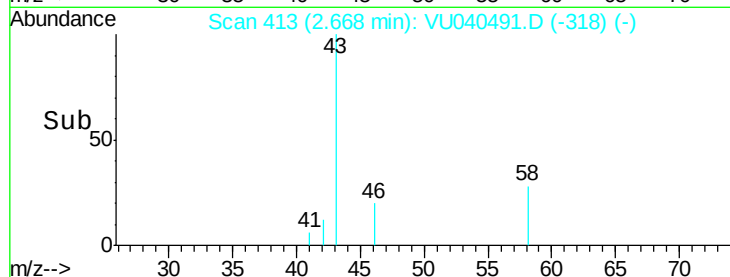
1500

1000

500

0

Time-->



#14

Carbon disulfide

Concen: 0.055 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040491.D

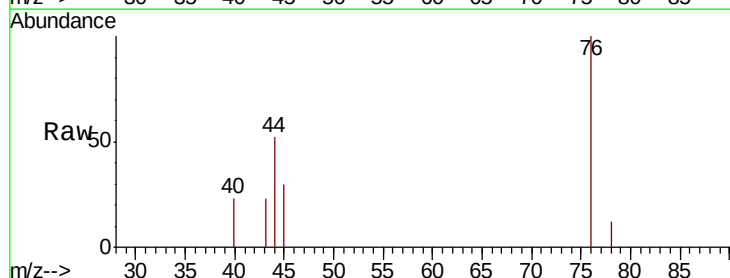
Acq: 03 Oct 2020 19:47

Tgt Ion: 76 Resp: 1614

Ion Ratio Lower Upper

76 100

78 12.0 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VU040491.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040491.D (-363) (-)

2.81

1000

800

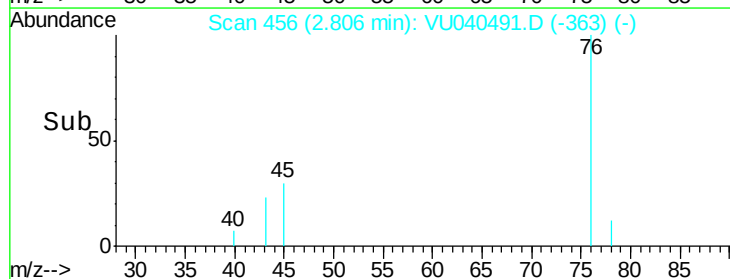
600

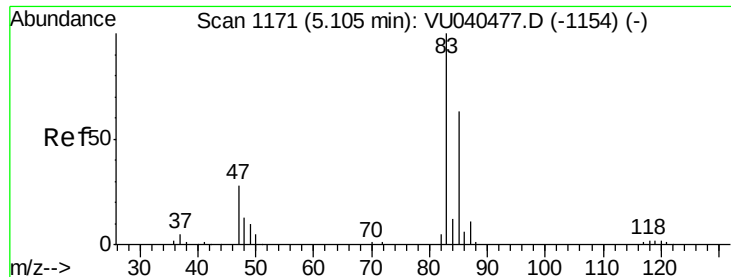
400

200

0

Time-->

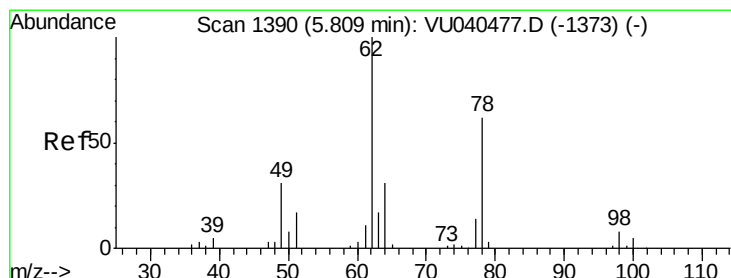
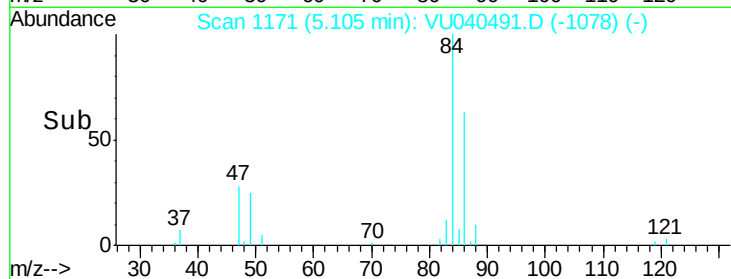
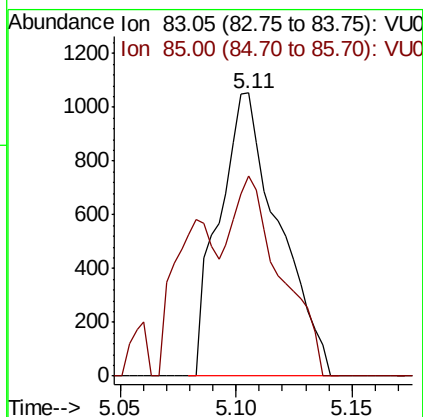
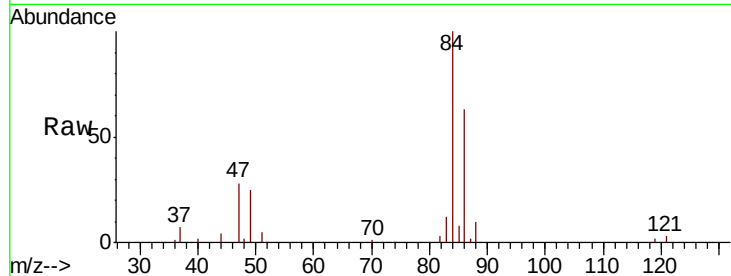




#25
Chloroform
Concen: 0.093 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040491.D
Acq: 03 Oct 2020 19:47

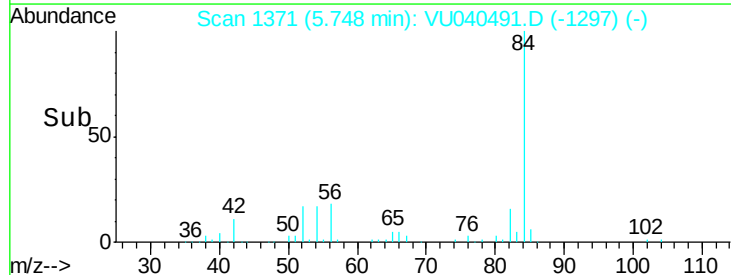
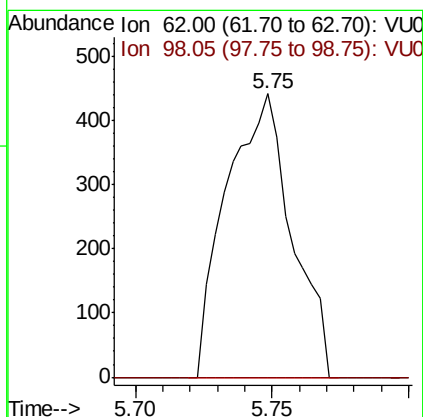
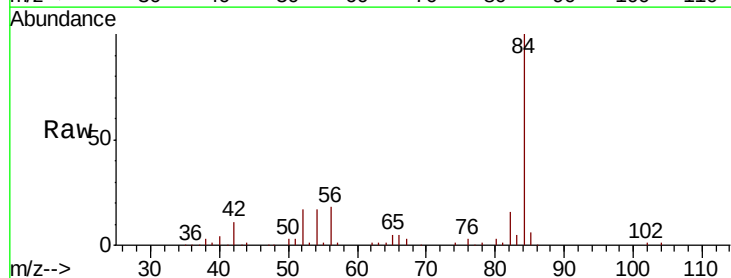
Instrument :
MSVOA_U
ClientSampleId :
BFS3A3

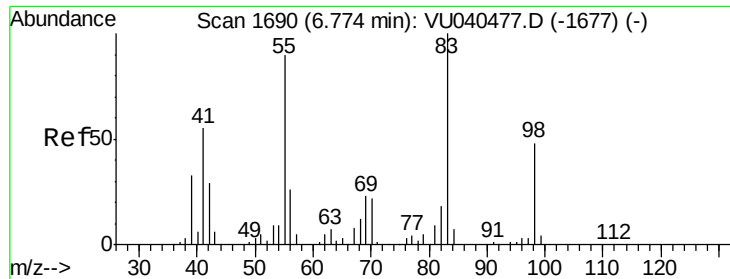
Tot Ion: 83 Resp: 1882
Ion Ratio Lower Upper
83 100
85 70.8 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.053 ug/L
RT: 5.75 min Scan# 1371
Delta R.T. -0.06 min
Lab File: VU040491.D
Acq: 03 Oct 2020 19:47

Tgt Ion: 62 Resp: 735
Ion Ratio Lower Upper
62 100
98 0.0 7.5 11.3#

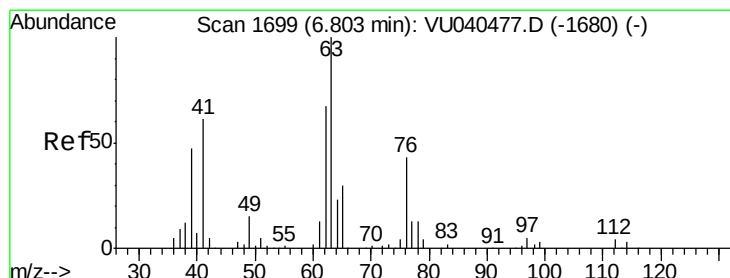
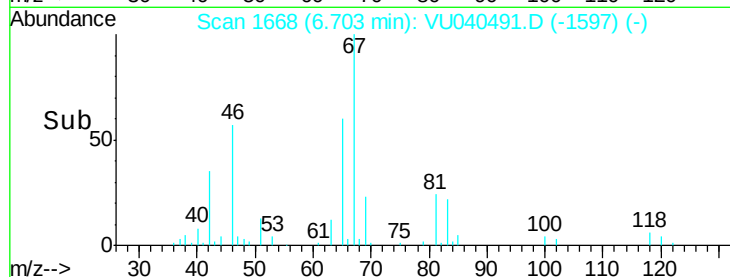
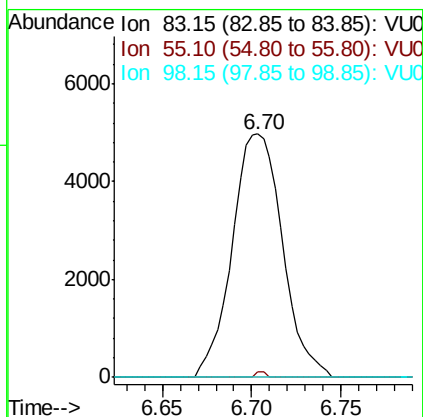
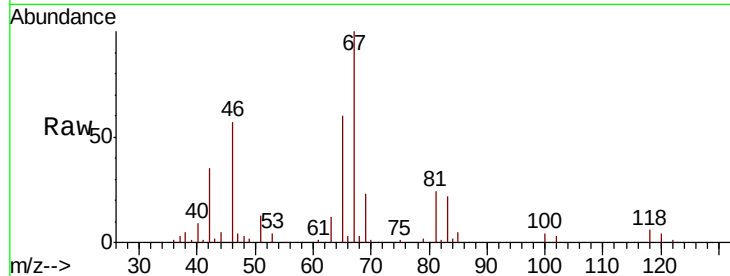




#35
Methylvlcyclohexane
Concen: 0.606 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040491.D
Acq: 03 Oct 2020 19:47

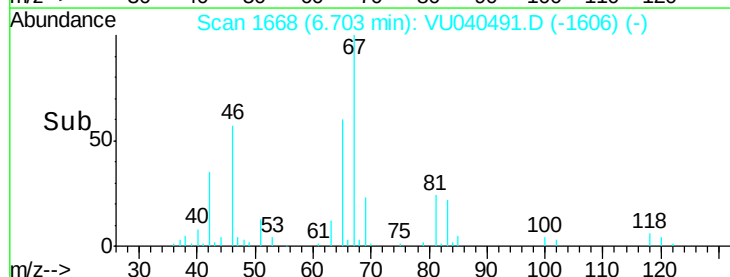
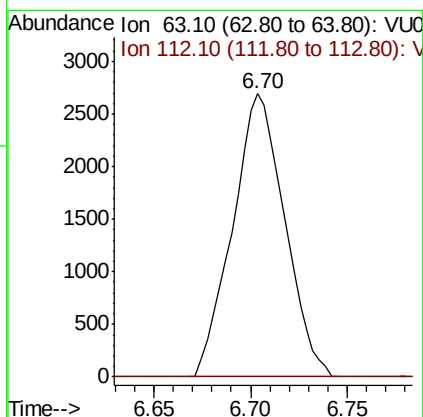
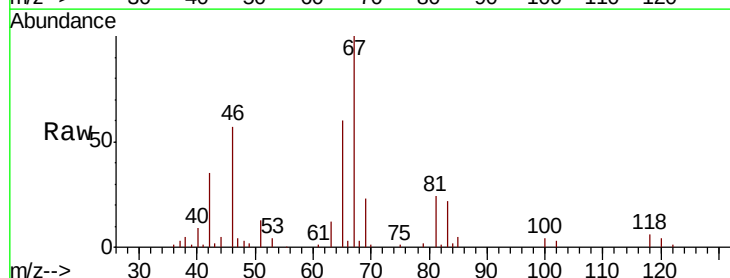
Instrument :
MSVOA_U
ClientSampleId :
BFS3

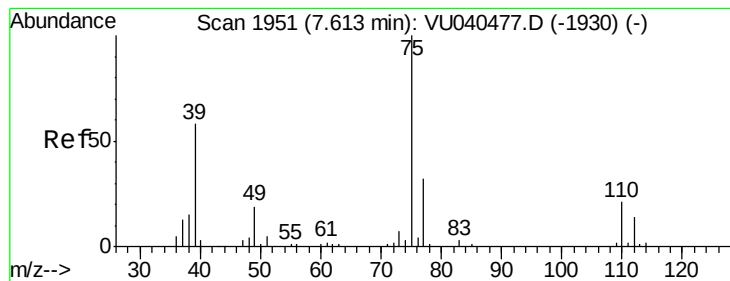
Tot Ion: 83 Resp: 9765
Ion Ratio Lower Upper
83 100
55 0.4 71.4 107.2#
98 0.4 38.5 57.7#



#37
1,2-Dichloropropane
Concen: 0.437 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040491.D
Acq: 03 Oct 2020 19:47

Tgt Ion: 63 Resp: 5041
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



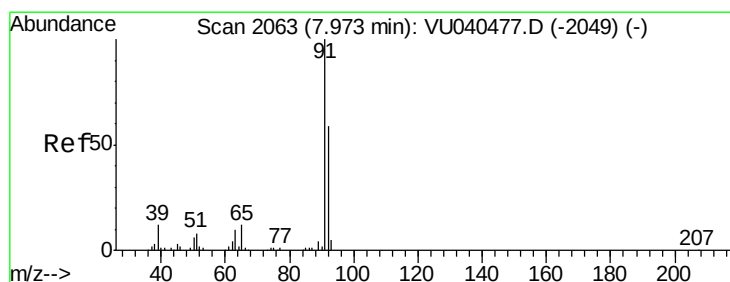
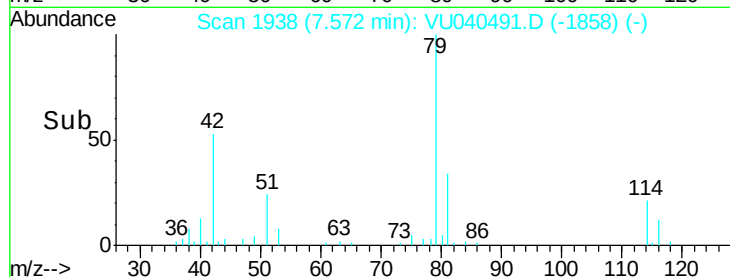
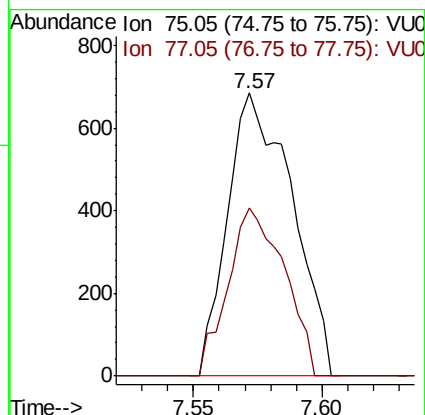
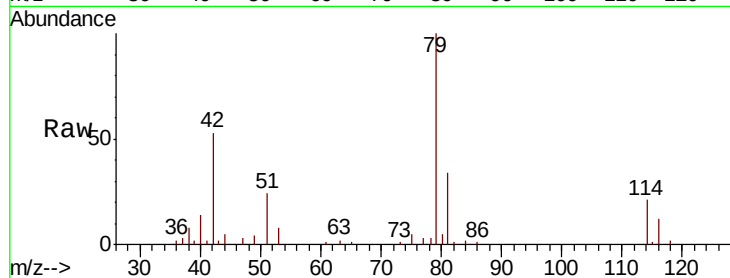


#39

cis-1,3-Dichloropropene
 Concen: 0.077 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040491.D
 Acq: 03 Oct 2020 19:47

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS3

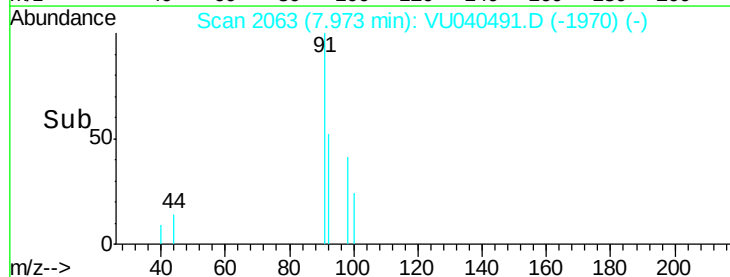
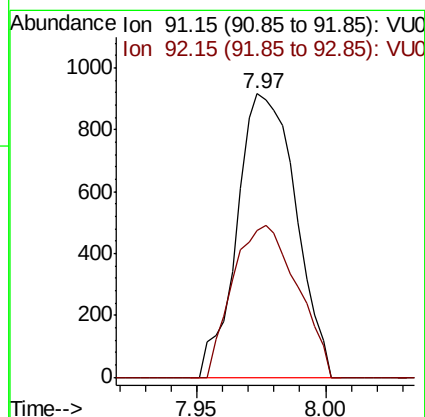
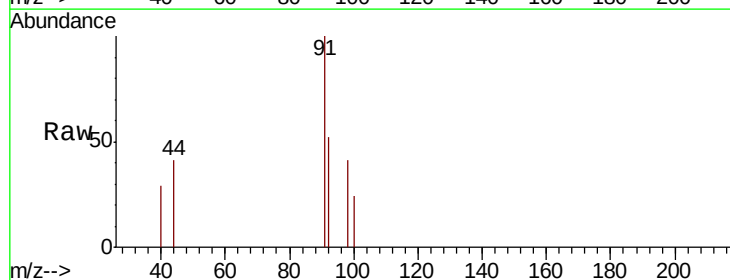
Tot Ion: 75 Resp: 1196
 Ion Ratio Lower Upper
 75 100
 77 59.6 23.5 43.7#

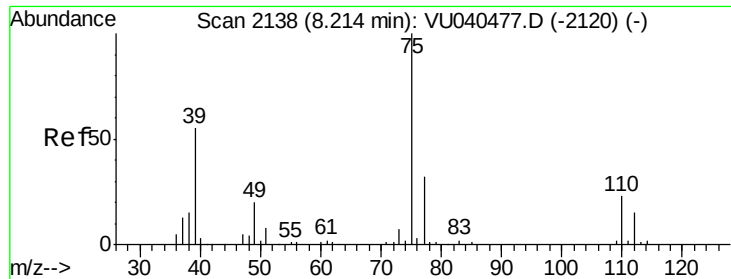


#42

Toluene
 Concen: 0.034 ug/L
 RT: 7.97 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VU040491.D
 Acq: 03 Oct 2020 19:47

Tgt Ion: 91 Resp: 1454
 Ion Ratio Lower Upper
 91 100
 92 51.9 40.0 74.4





#44

trans-1,3-Dichloropropene

Concen: 0.054 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040491.D

Acq: 03 Oct 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

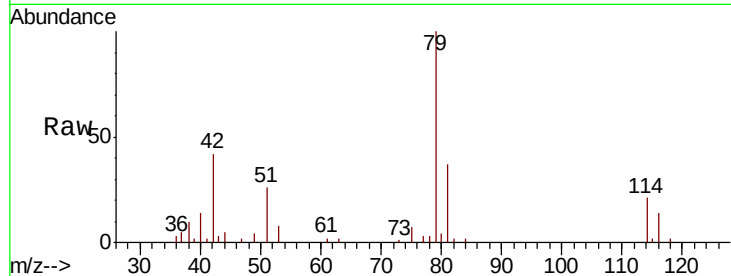
BFSA3

Tot Ion: 75 Resp: 769

Ion Ratio Lower Upper

75 100

77 39.0 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU040491.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040491.D (-2120) (-)

8.19

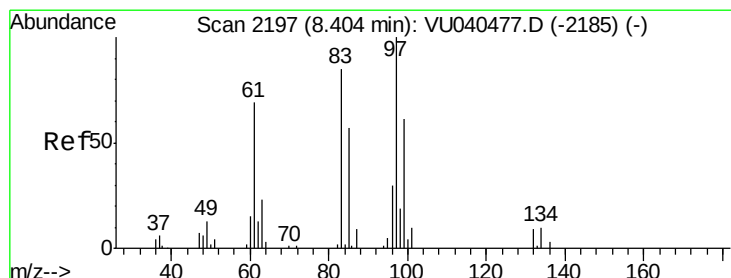
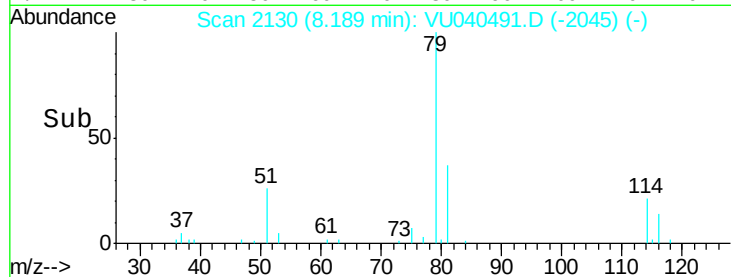
600

400

200

0

Time--> 8.14 8.16 8.18 8.20 8.22



#45

1,1,2-Trichloroethane

Concen: 0.093 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.15 min

Lab File: VU040491.D

Acq: 03 Oct 2020 19:47

Tgt Ion: 97 Resp: 754

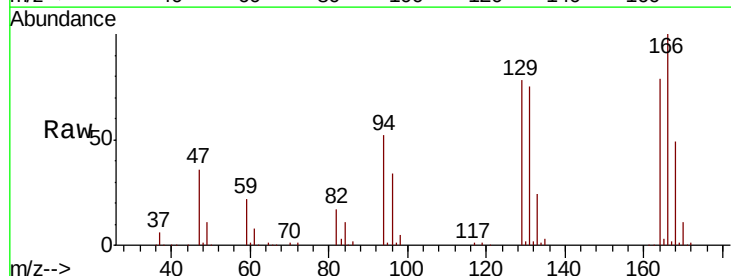
Ion Ratio Lower Upper

97 100

99 0.0 45.8 85.0#

83 366.0 62.9 116.9#

85 34.0 41.7 77.5#



Abundance Ion 96.95 (96.65 to 97.65): VU040491.D (-2185) (-)

Ion 99.05 (98.75 to 99.75): VU040491.D (-2185) (-)

Ion 82.95 (82.65 to 83.65): VU040491.D (-2185) (-)

Ion 85.00 (84.70 to 85.70): VU040491.D (-2185) (-)

3000

2500

2000

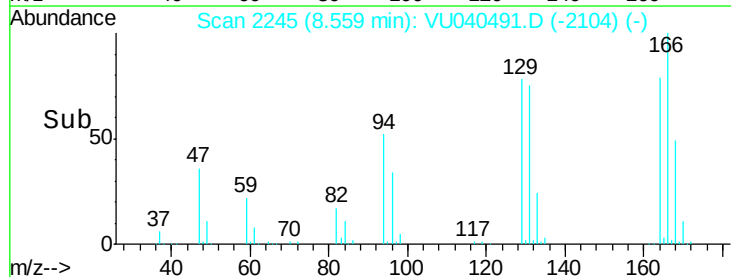
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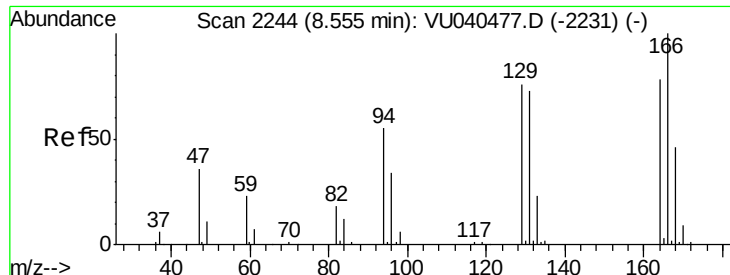
1000

500

0

Time--> 8.55 8.56 8.60





#47

Tetrachloroethene

Concen: 11.674 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040491.D

Acq: 03 Oct 2020 19:47

Instrument :

MSVOA_U

ClientSampled :

BFSA3

Tot Ion:164 Resp: 91104

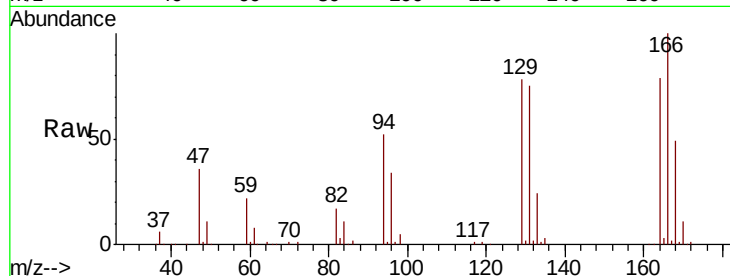
Ion Ratio Lower Upper

164 100

129 98.6 70.3 130.7

131 94.9 69.2 128.6

166 126.0 91.1 169.3

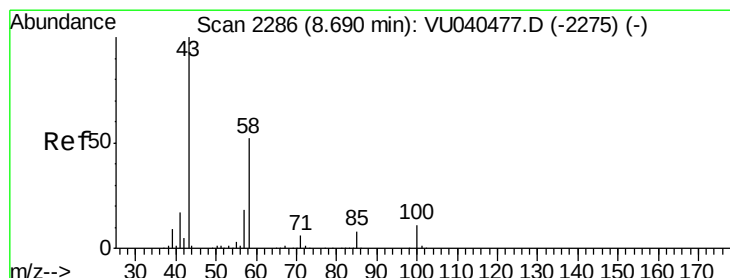
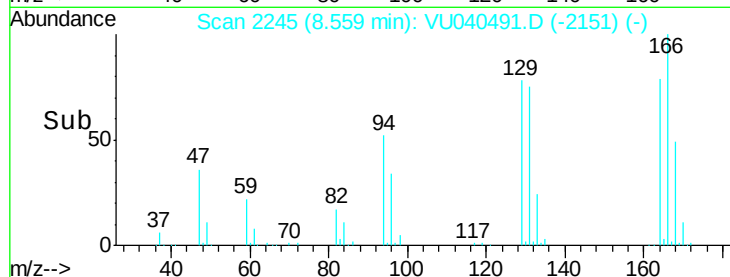
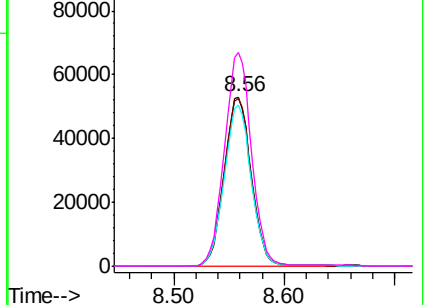


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.203 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040491.D

Acq: 03 Oct 2020 19:47

Tgt Ion: 43 Resp: 14659

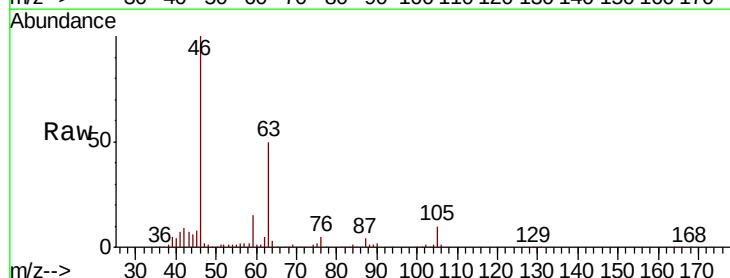
Ion Ratio Lower Upper

43 100

58 26.3 41.0 61.4#

57 24.5 14.6 22.0#

100 0.9 8.2 12.4#

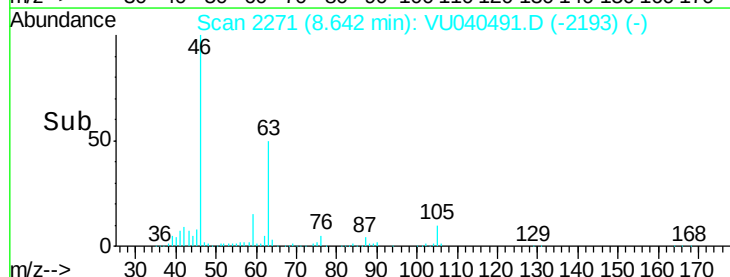
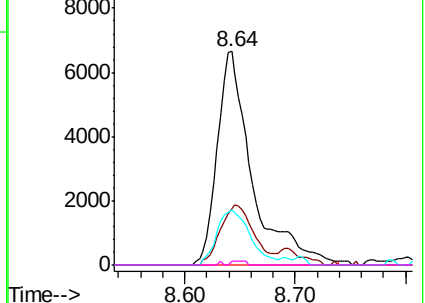


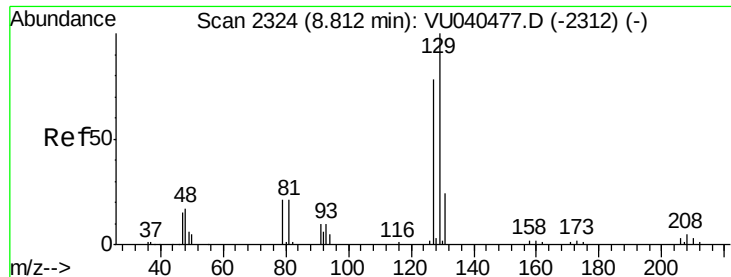
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 9.559 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040491.D

Acq: 03 Oct 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

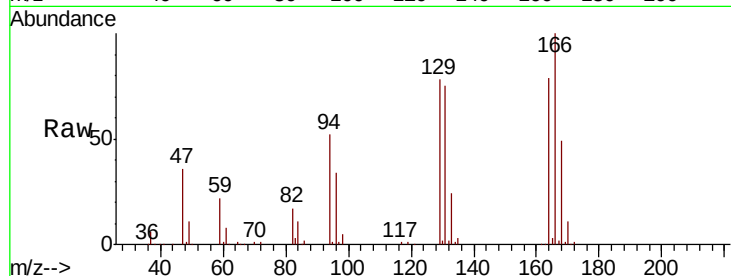
BFSA3

Tot Ion:129 Resp: 89876

Ion Ratio Lower Upper

129 100

127 0.0 55.4 103.0#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

60000

50000

40000

30000

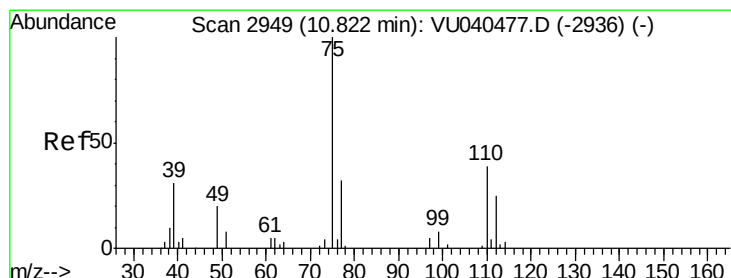
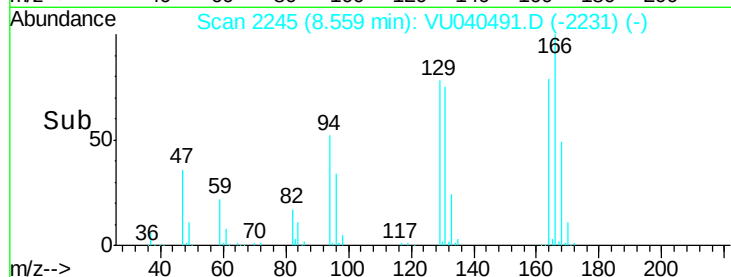
20000

10000

0

8.50 8.55 8.60 8.65

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.873 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040491.D

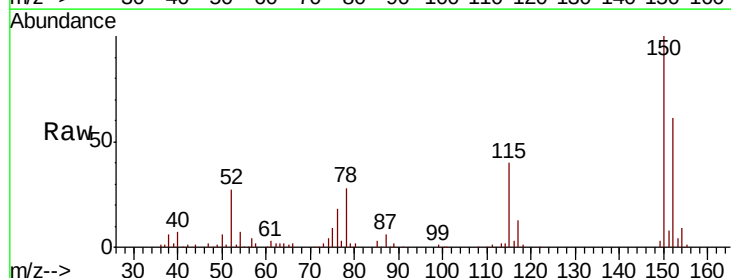
Acq: 03 Oct 2020 19:47

Tgt Ion: 75 Resp: 7296

Ion Ratio Lower Upper

75 100

77 37.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

5000

4000

3000

2000

1000

0

11.75 11.80 11.85

Time-->

