

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100320\
 Data File : VU040495.D
 Acq On : 03 Oct 2020 21:19
 Operator : SY/MD
 Sample : L4266-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS1

Quant Time: Oct 05 01:06:09 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	134642	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	133944	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	58490	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	33752	5.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.20%
7) Chloroethane-d5	1.93	69	29142	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.58	63	55860	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	4.66	46	148198	44.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.52%
24) Chloroform-d	5.08	84	74714	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.72	65	48160	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.74	84	142668	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.70	67	49481	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.91	98	118491	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	8.19	79	19243	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.64	63	109905	46.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.96%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	42430	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	47500	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	13316	1.006	ug/L	99
8) Chloroethane	1.94	64	1512	0.196	ug/L #	65
13) Acetone	2.67	43	10299	3.733	ug/L	83
15) Methyl Acetate	2.97	43	2538	0.382	ug/L #	56
25) Chloroform	5.11	83	4254	0.192	ug/L	97
33) Benzene	5.79	78	1674	0.037	ug/L	100
34) Trichloroethene	6.55	95	2509	0.210	ug/L	93
35) Methylcyclohexane	6.70	83	11362	0.650	ug/L #	15
39) cis-1,3-Dichloropropene	7.58	75	1524	0.091	ug/L #	75
42) Toluene	7.98	91	1872	0.041	ug/L	98
44) trans-1,3-Dichloropropene	8.18	75	982	0.064	ug/L	96
45) 1,1,2-Trichloroethane	8.56	97	4443	0.507	ug/L #	10
47) Tetrachloroethene	8.56	164	449505	53.102	ug/L	99
48) 2-Hexanone	8.64	43	14786	2.049	ug/L #	72
49) Dibromochloromethane	8.56	129	447899	43.920	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	8325	0.918	ug/L #	88

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

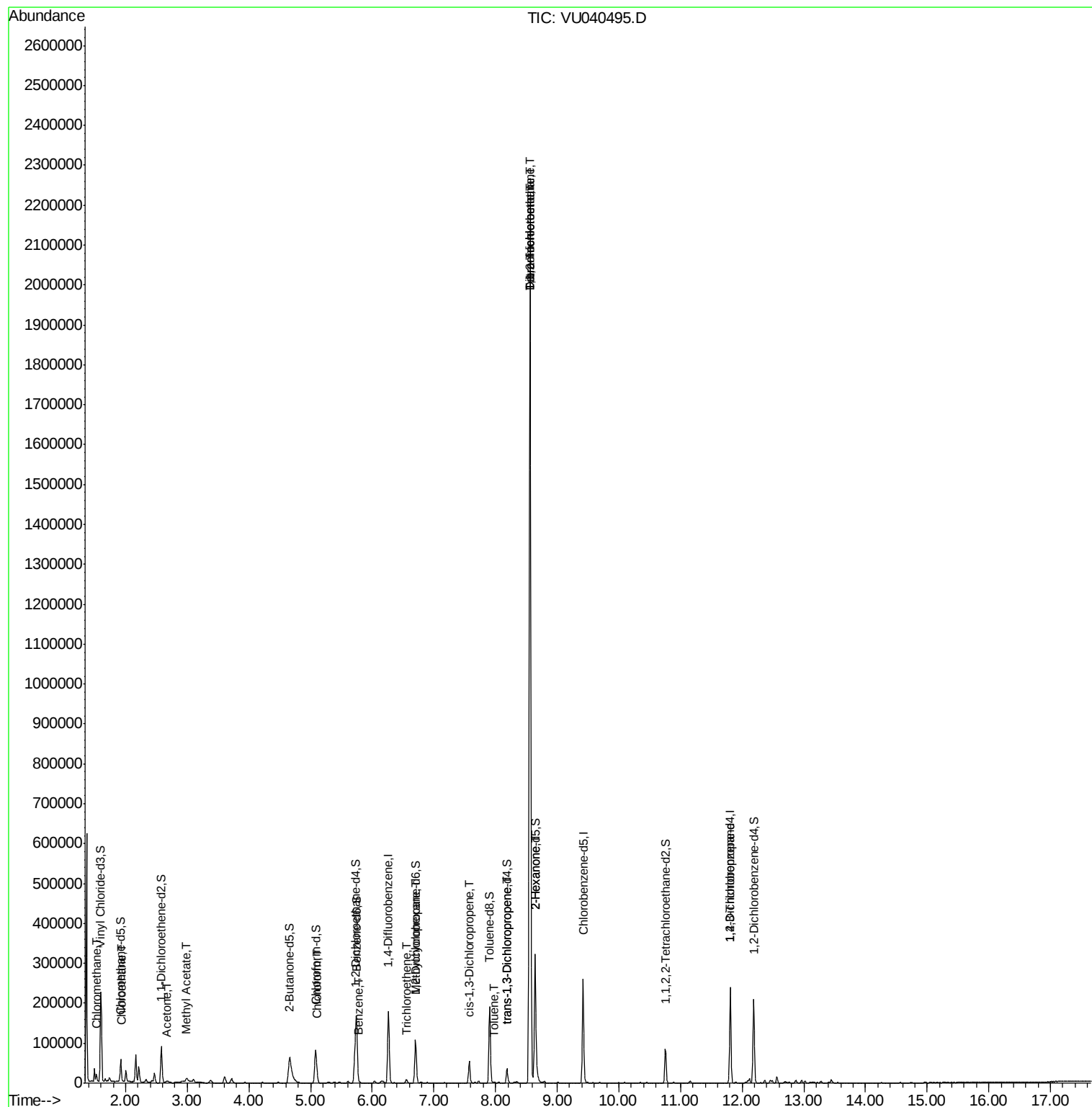
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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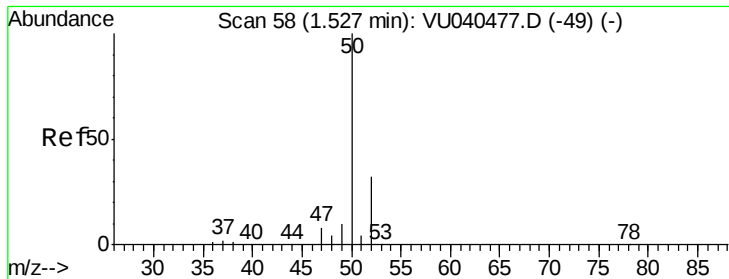
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.006 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040495.D

Acq: 03 Oct 2020 21:19

Instrument :

MSVOA_U

ClientSampleId :

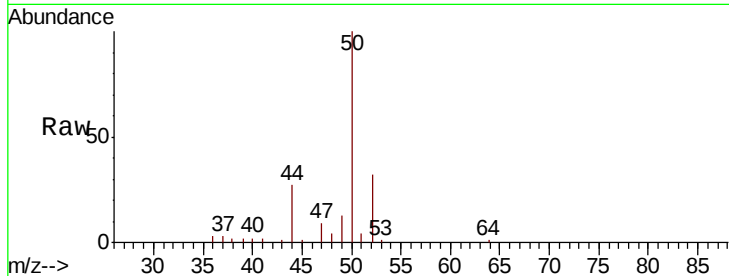
BFSA1

Tot Ion: 50 Resp: 13316

Ion Ratio Lower Upper

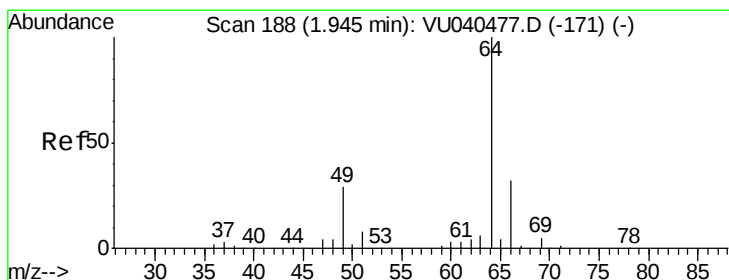
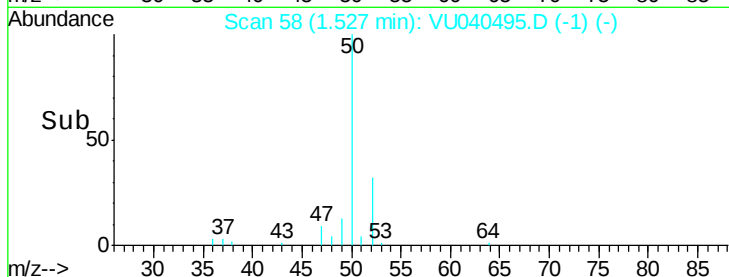
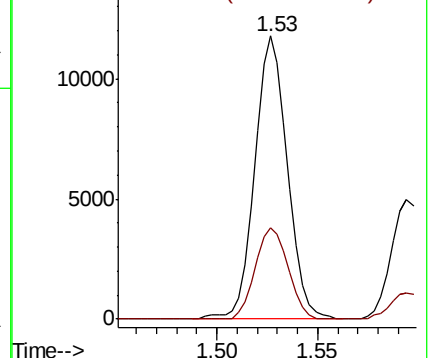
50 100

52 32.4 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.196 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040495.D

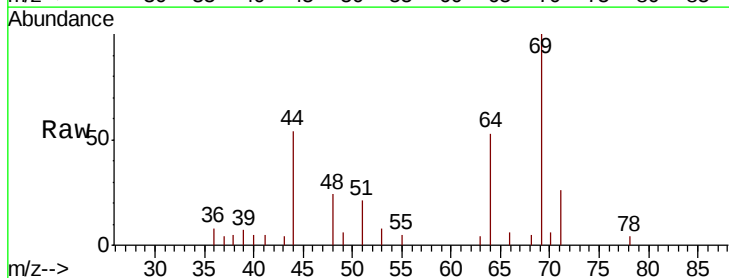
Acq: 03 Oct 2020 21:19

Tgt Ion: 64 Resp: 1512

Ion Ratio Lower Upper

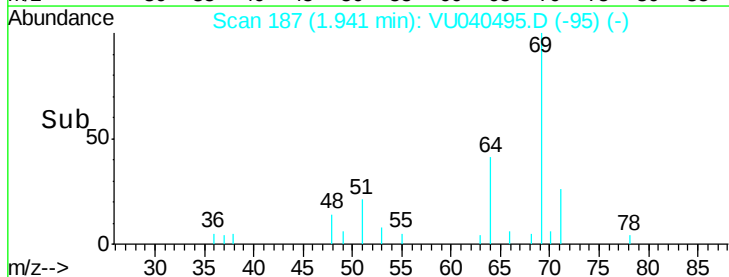
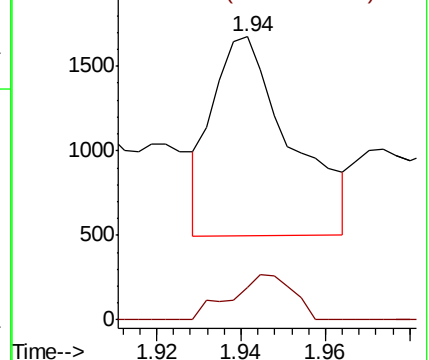
64 100

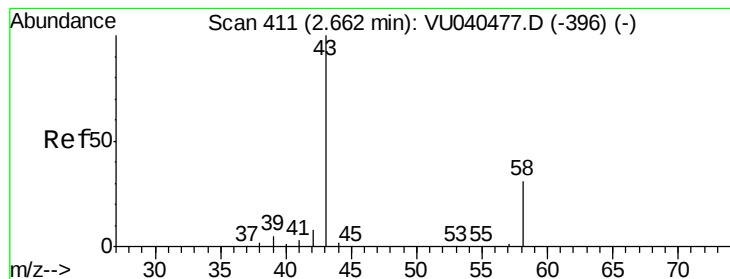
66 11.6 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#13

Acetone

Concen: 3.733 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU040495.D

Acq: 03 Oct 2020 21:19

Instrument :

MSVOA_U

ClientSampleId :

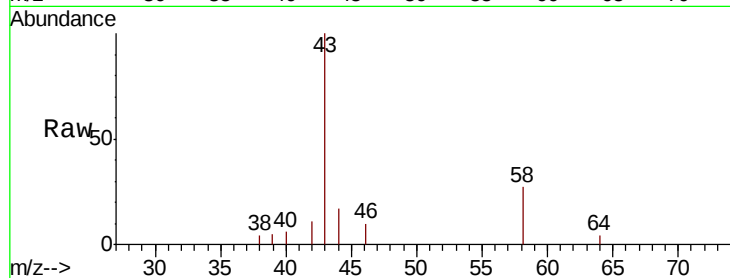
BFSA1

Tot Ion: 43 Resp: 10299

Ion Ratio Lower Upper

43 100

58 21.5 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU040495.D (-414) (-)

Ion 58.05 (57.75 to 58.75): VU040495.D (-414) (-)

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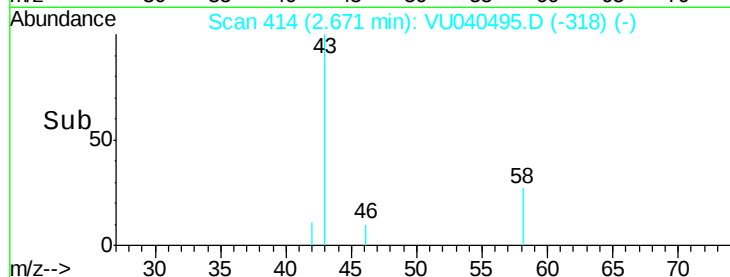
2.67

2.67

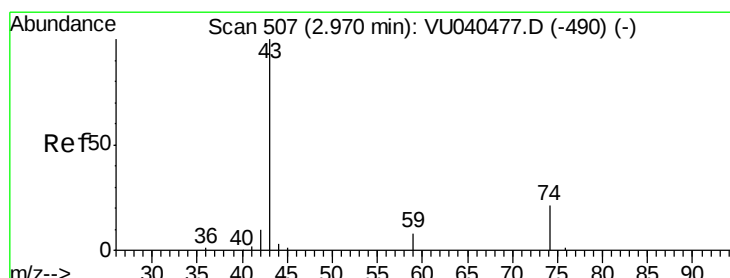
2.67

2.67

2.67



Time-->



#15

Methyl Acetate

Concen: 0.382 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU040495.D

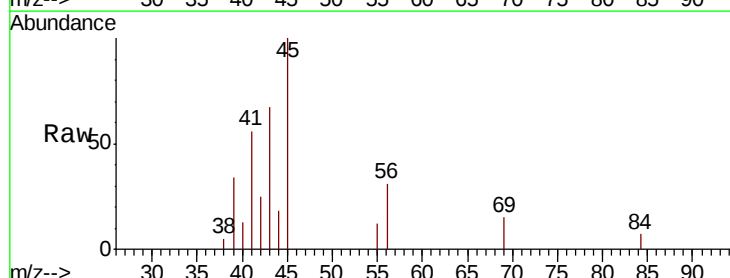
Acq: 03 Oct 2020 21:19

Tgt Ion: 43 Resp: 2538

Ion Ratio Lower Upper

43 100

74 0.0 16.3 24.5#



Abundance Ion 43.05 (42.75 to 43.75): VU040495.D (-414) (-)

Ion 74.05 (73.75 to 74.75): VU040495.D (-414) (-)

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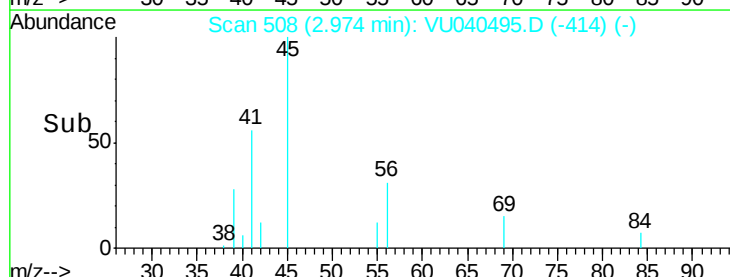
2.97

2.97

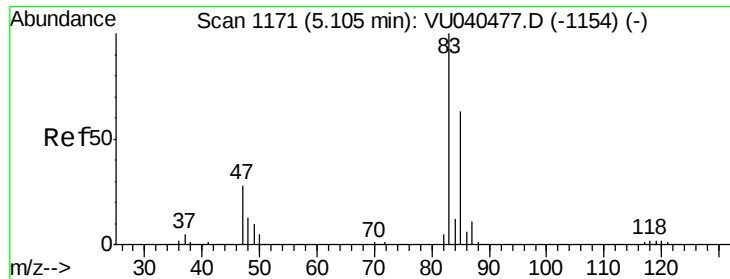
2.97

2.97

2.97



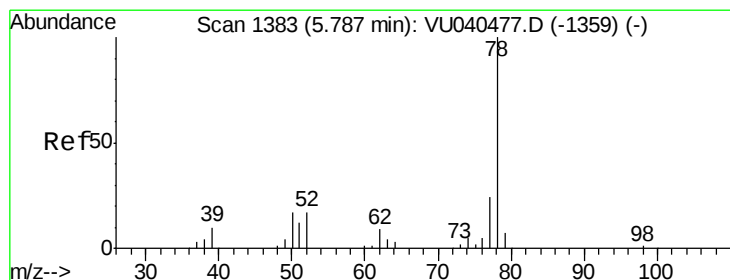
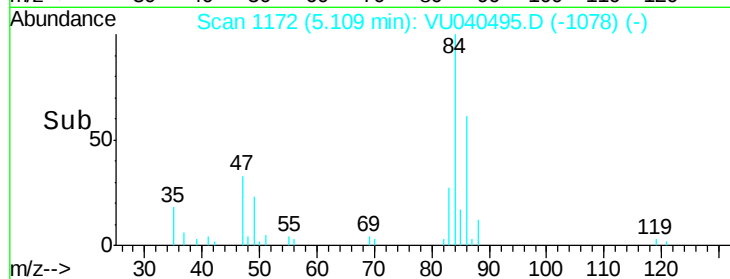
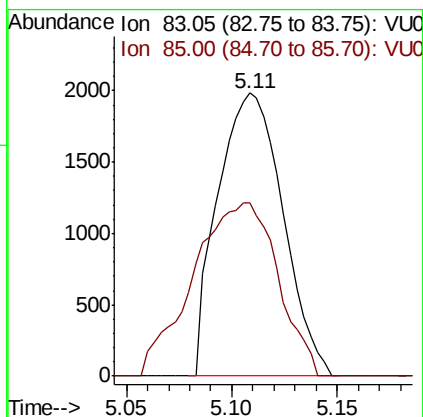
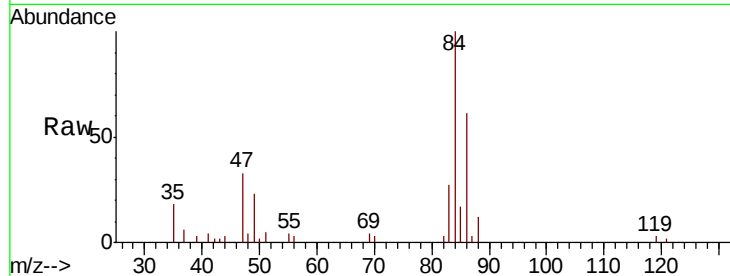
Time-->



#25
Chloroform
Concen: 0.192 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040495.D
Acq: 03 Oct 2020 21:19

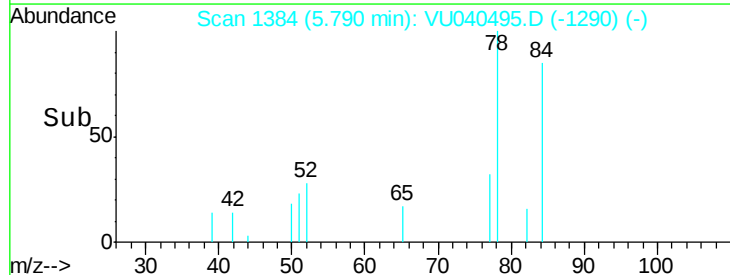
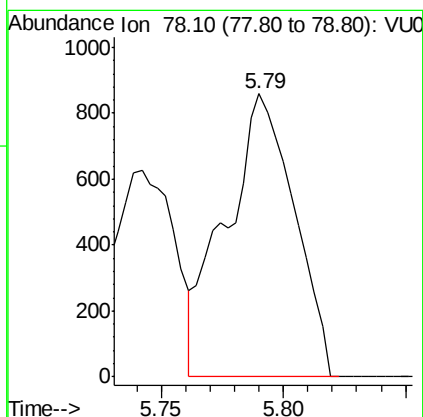
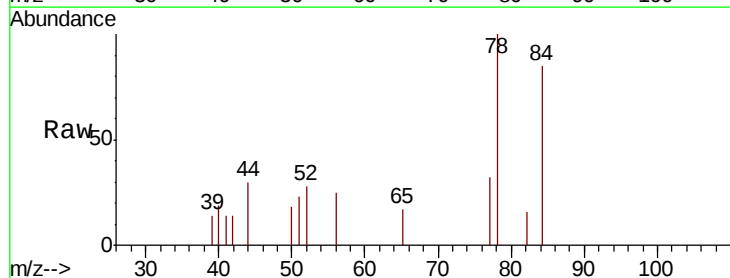
Instrument :
MSVOA_U
ClientSampleId :
BFSA1

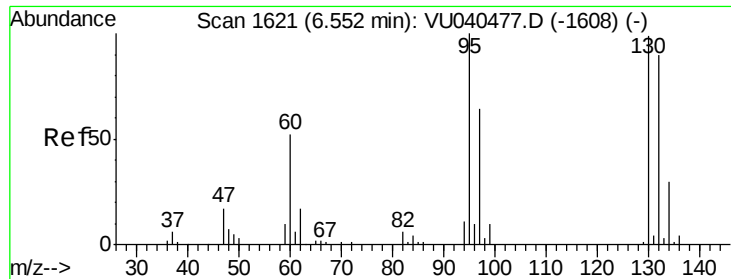
Tot Ion: 83 Resp: 4254
Ion Ratio Lower Upper
83 100
85 61.3 44.6 82.8



#33
Benzene
Concen: 0.037 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040495.D
Acq: 03 Oct 2020 21:19

Tgt Ion: 78 Resp: 1674

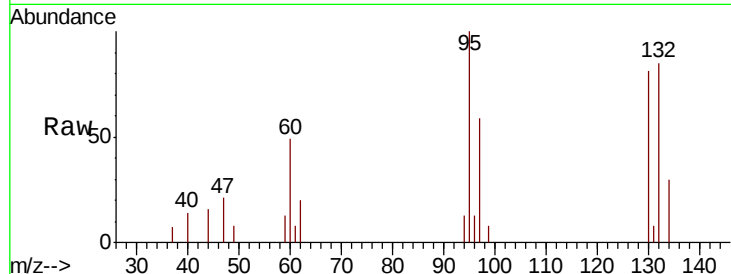




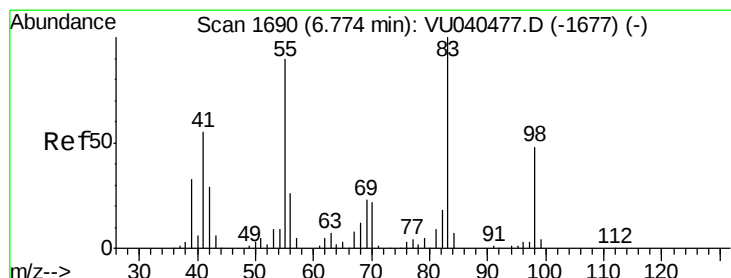
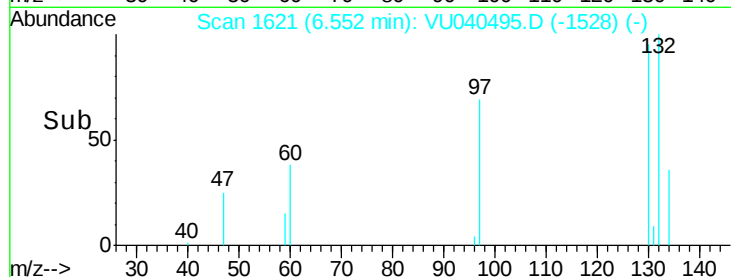
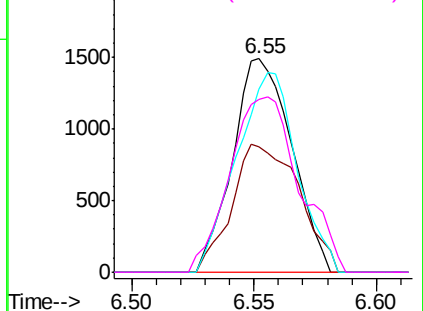
#34
 Trichloroethene
 Concen: 0.210 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU040495.D
 Acq: 03 Oct 2020 21:19

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS1

Tot Ion: 95 Resp: 2509
 Ion Ratio Lower Upper
 95 100
 97 59.0 46.3 85.9
 132 85.5 60.5 112.3
 130 81.0 64.3 119.3

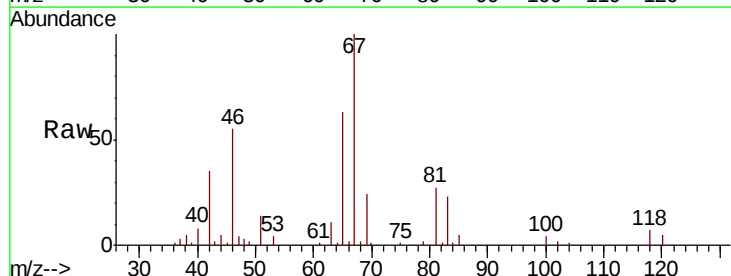


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

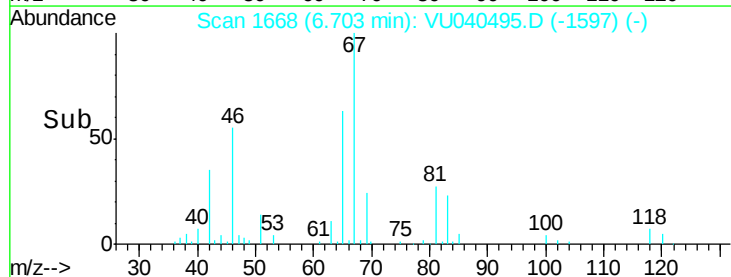
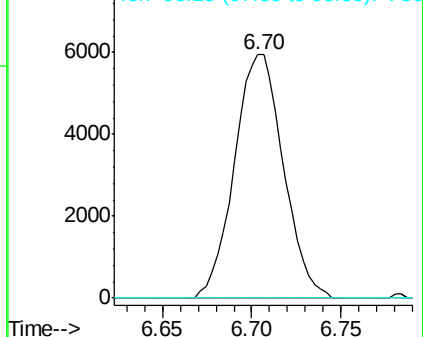


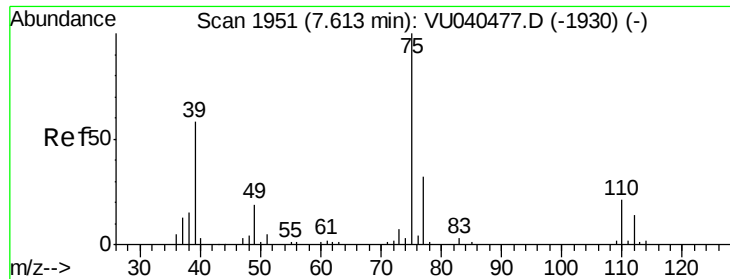
#35
 Methylcyclohexane
 Concen: 0.650 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040495.D
 Acq: 03 Oct 2020 21:19

Tgt Ion: 83 Resp: 11362
 Ion Ratio Lower Upper
 83 100
 55 0.9 71.4 107.2#
 98 1.4 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





#39

cis-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU040495.D

Acq: 03 Oct 2020 21:19

Instrument :

MSVOA_U

ClientSampleId :

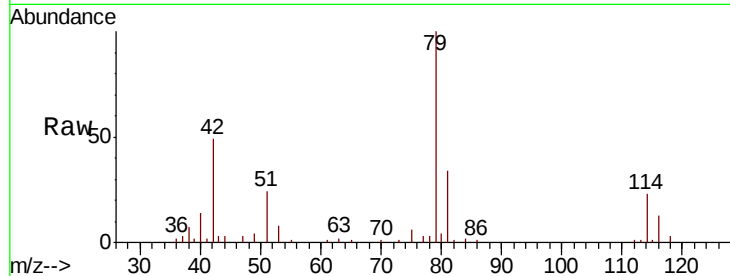
BFSA1

Tot Ion: 75 Resp: 1524

Ion Ratio Lower Upper

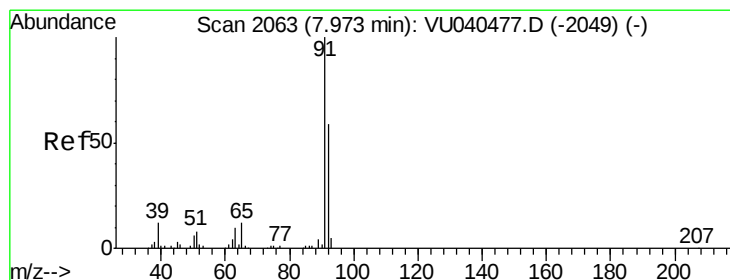
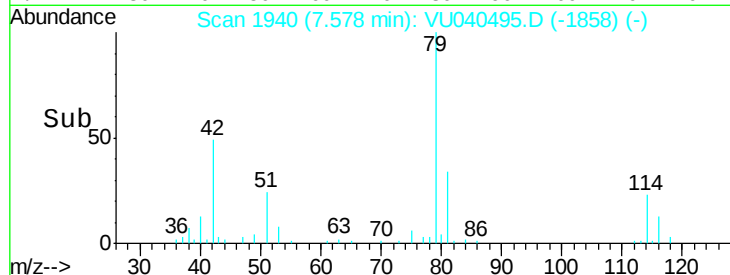
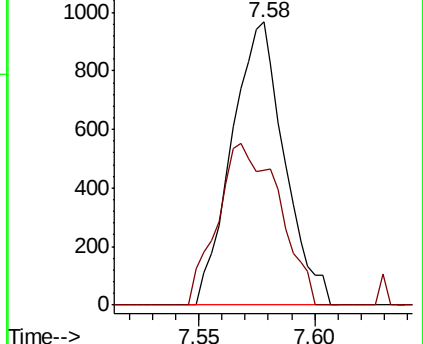
75 100

77 47.7 23.5 43.7#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#42

Toluene

Concen: 0.041 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040495.D

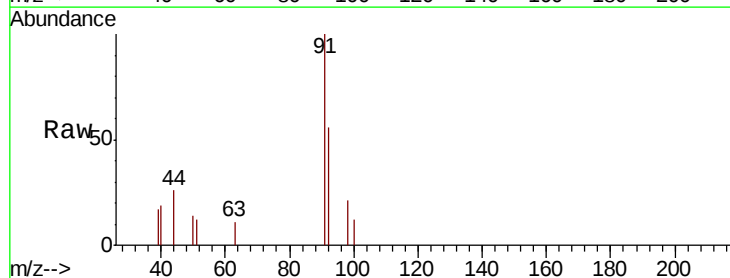
Acq: 03 Oct 2020 21:19

Tgt Ion: 91 Resp: 1872

Ion Ratio Lower Upper

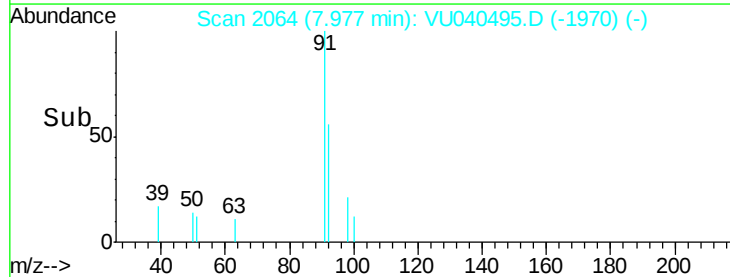
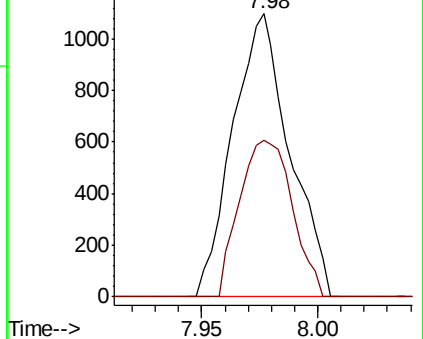
91 100

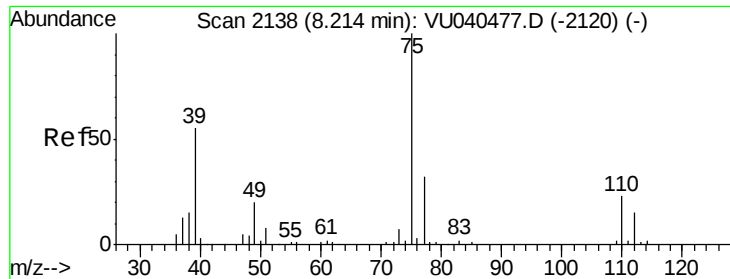
92 55.5 40.0 74.4



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: 0.064 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040495.D

Acq: 03 Oct 2020 21:19

Instrument :

MSVOA_U

ClientSampleId :

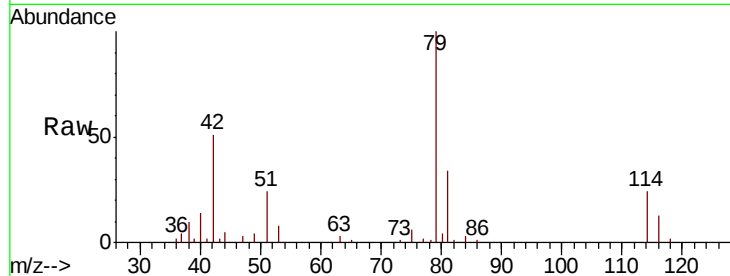
BFSA1

Tot Ion: 75 Resp: 982

Ion Ratio Lower Upper

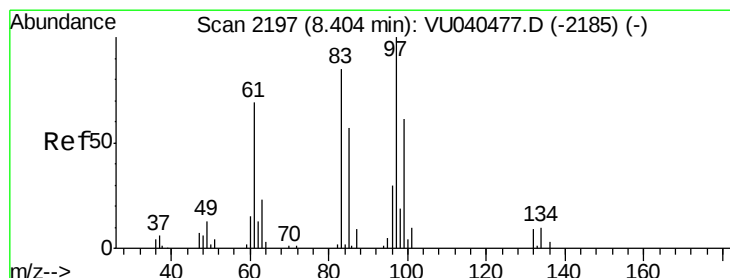
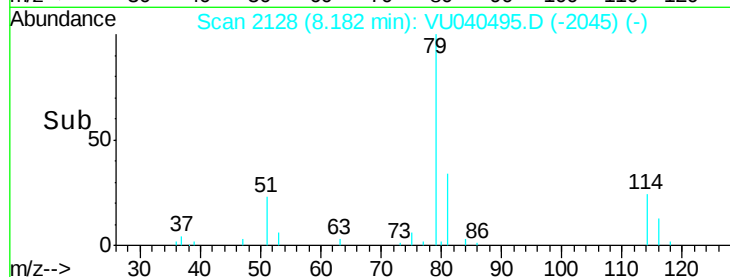
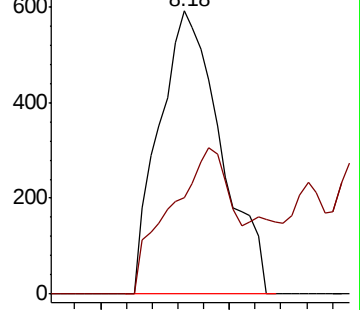
75 100

77 33.8 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: 0.507 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.15 min

Lab File: VU040495.D

Acq: 03 Oct 2020 21:19

Tgt Ion: 97 Resp: 4443

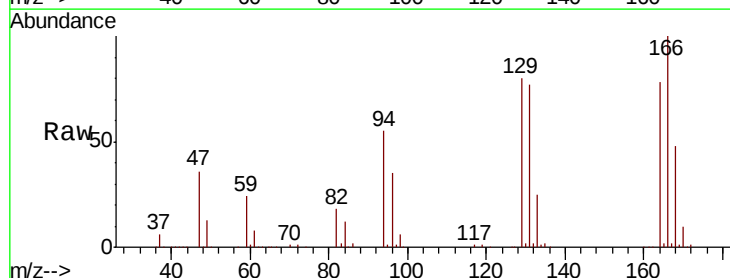
Ion Ratio Lower Upper

97 100

99 17.7 45.8 85.0#

83 237.8 62.9 116.9#

85 42.5 41.7 77.5

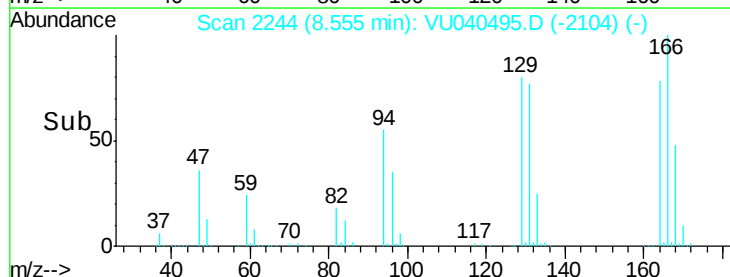
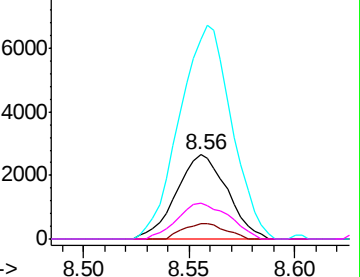


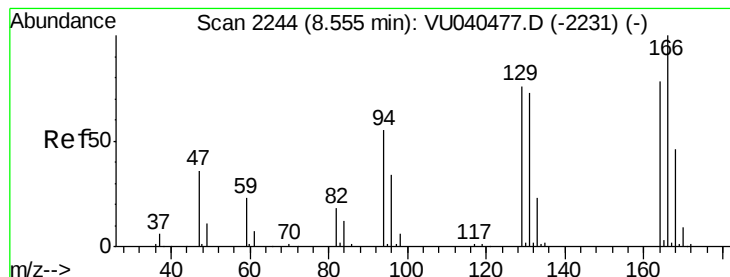
Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 53.102 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040495.D

Acq: 03 Oct 2020 21:19

Instrument :

MSVOA_U

ClientSampleId :

BFSA1

Tot Ion:164 Resp: 449505

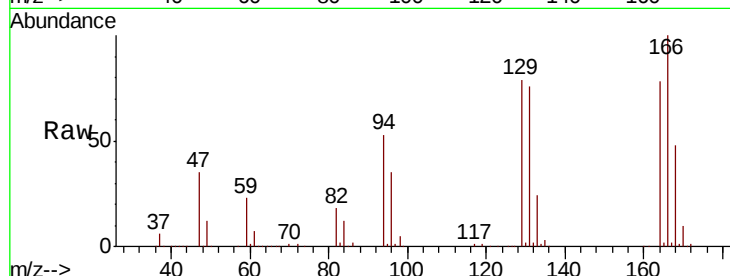
Ion Ratio Lower Upper

164 100

129 100.8 70.3 130.7

131 97.2 69.2 128.6

166 127.9 91.1 169.3

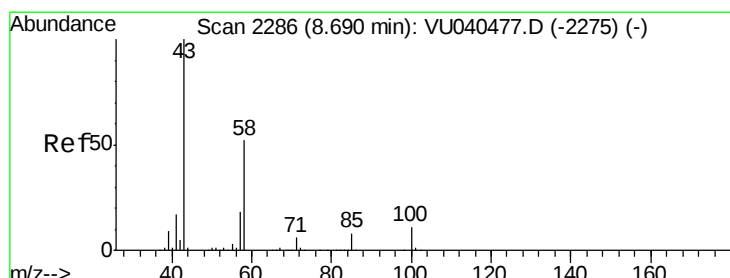
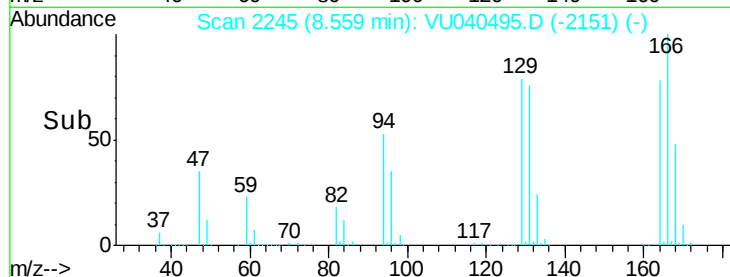
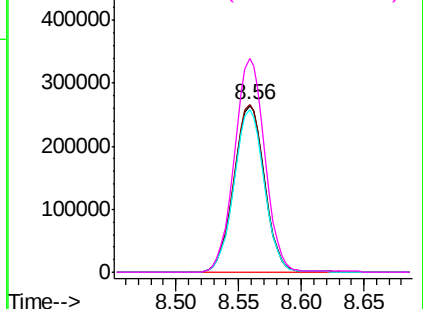


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.049 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040495.D

Acq: 03 Oct 2020 21:19

Tgt Ion: 43 Resp: 14786

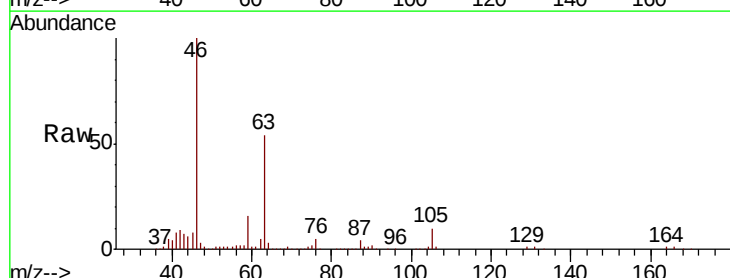
Ion Ratio Lower Upper

43 100

58 29.0 41.0 61.4#

57 26.6 14.6 22.0#

100 0.0 8.2 12.4#

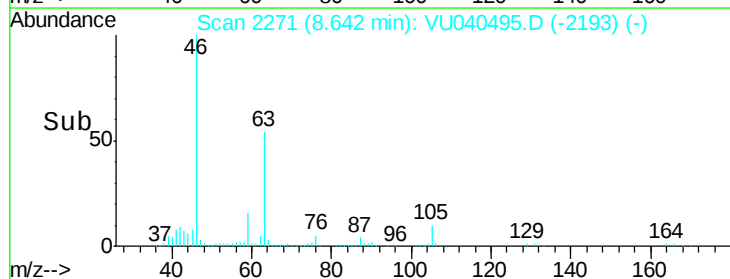
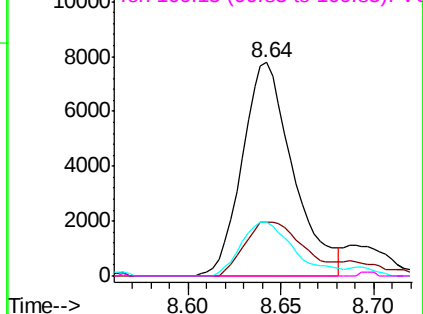


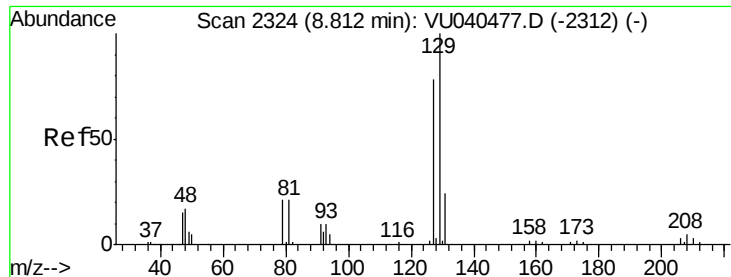
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 43.920 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040495.D

Acq: 03 Oct 2020 21:19

Instrument :

MSVOA_U

ClientSampleId :

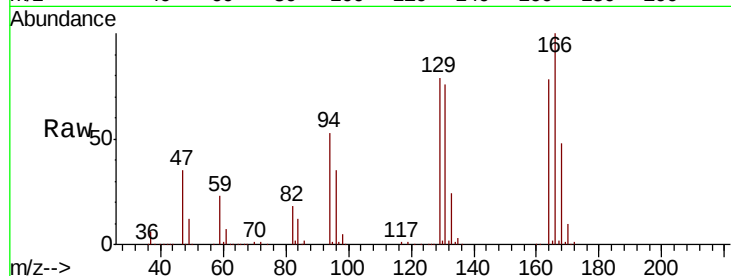
BFSA1

Tot Ion:129 Resp: 447899

Ion Ratio Lower Upper

129 100

127 0.1 55.4 103.0#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

250000

200000

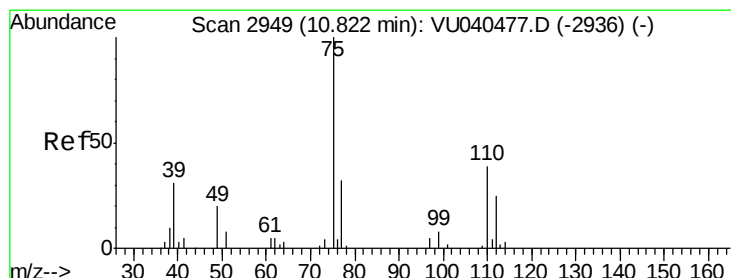
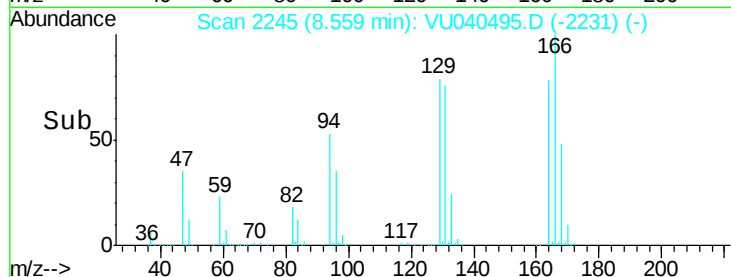
150000

100000

50000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.918 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040495.D

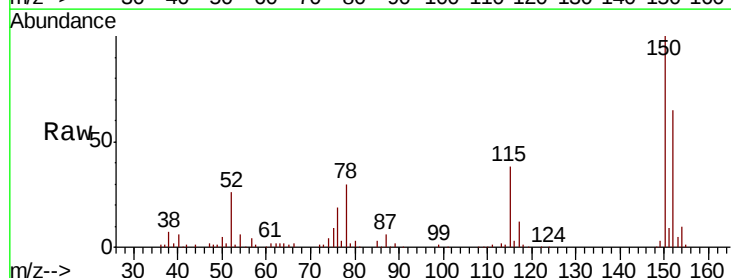
Acq: 03 Oct 2020 21:19

Tgt Ion: 75 Resp: 8325

Ion Ratio Lower Upper

75 100

77 39.1 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

5000

4000

3000

2000

1000

0

Time-->

