

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
 Data File : VU040294.D
 Acq On : 25 Sep 2020 12:55
 Operator : SY/MD
 Sample : L4147-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSB3

Quant Time: Sep 26 04:51:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 26 04:43:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	130379	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	132222	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	60570	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	36206	5.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.80%
7) Chloroethane-d5	1.92	69	31754	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.00%
11) 1,1-Dichloroethene-d2	2.58	63	56754	3.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.20%
20) 2-Butanone-d5	4.66	46	165227	58.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.06%
24) Chloroform-d	5.08	84	76192	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.72	65	48146	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.75	84	142672	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.70	67	48679	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.91	98	119374	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	8.19	79	18947	4.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.00%
46) 2-Hexanone-d5	8.64	63	121727	54.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.96%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	44897	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	48963	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	10346	0.835	ug/L 99
8) Chloroethane	1.95	64	256	0.034	ug/L # 42
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	553	0.047	ug/L # 22
13) Acetone	2.67	43	7546	2.863	ug/L 92
22) cis-1,2-Dichloroethene	4.68	96	1740	0.149	ug/L 92
27) 1,2-Dichloroethane	5.74	62	857	0.051	ug/L # 78
34) Trichloroethene	6.55	95	4535	0.357	ug/L 92
35) Methylcyclohexane	6.70	83	11567	0.595	ug/L # 14
37) 1,2-Dichloropropane	6.70	63	5558	0.434	ug/L # 88
39) cis-1,3-Dichloropropene	7.57	75	1352	0.072	ug/L # 55
44) trans-1,3-Dichloropropene	8.18	75	771	0.044	ug/L # 67
45) 1,1,2-Trichloroethane	8.56	97	7982	0.855	ug/L # 1
47) Tetrachloroethene	8.56	164	779778	93.560	ug/L 97
49) Dibromochloromethane	8.56	129	788198	70.378	ug/L # 11
59) 1,2,3-Trichloropropane	11.81	75	8536	0.900	ug/L 92

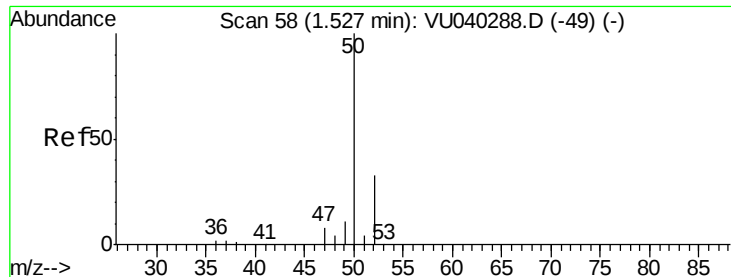
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
Data File : VU040294.D
Acq On : 25 Sep 2020 12:55
Operator : SY/MD
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Instrument :
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Quant Time: Sep 26 04:51:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 26 04:43:23 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#3

Chloromethane

Concen: 0.835 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040294.D

Acq: 25 Sep 2020 12:55

Instrument :

MSVOA_U

ClientSampleId :

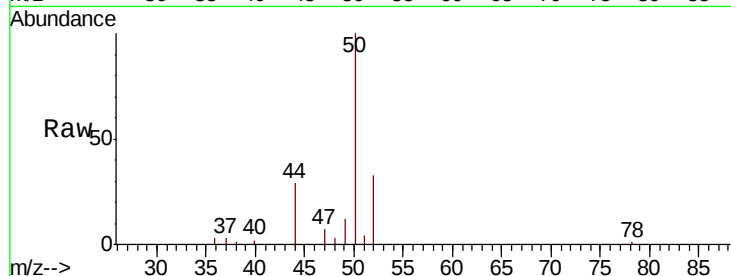
BFSB3

Tot Ion: 50 Resp: 10346

Ion Ratio Lower Upper

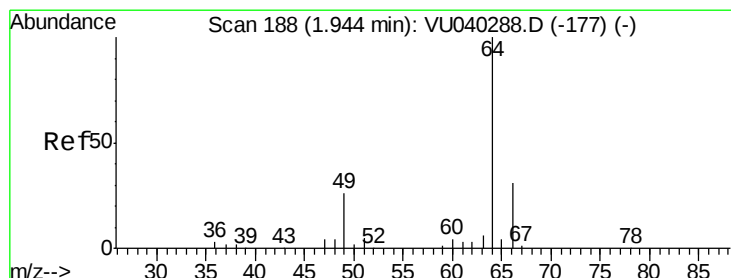
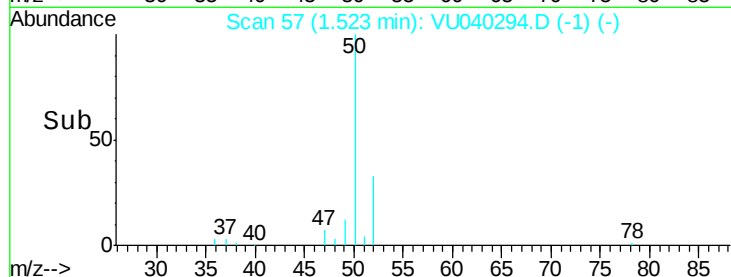
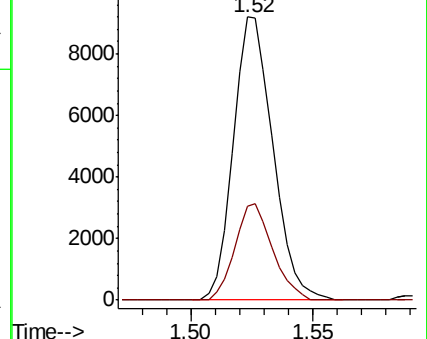
50 100

52 33.4 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.034 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU040294.D

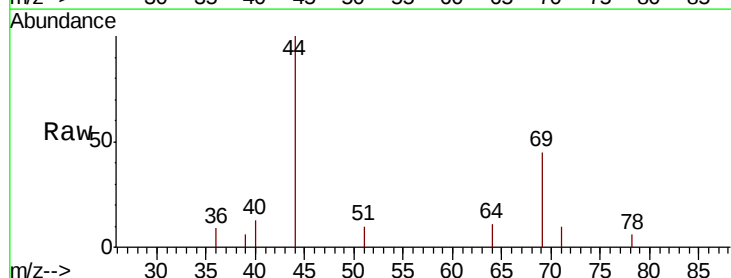
Acq: 25 Sep 2020 12:55

Tgt Ion: 64 Resp: 256

Ion Ratio Lower Upper

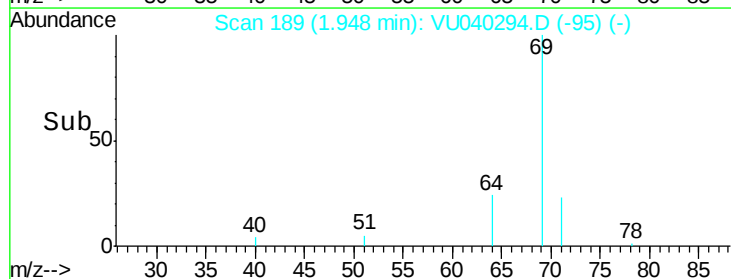
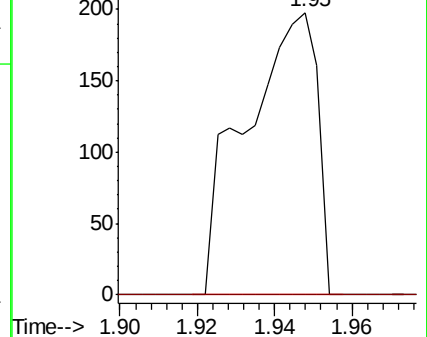
64 100

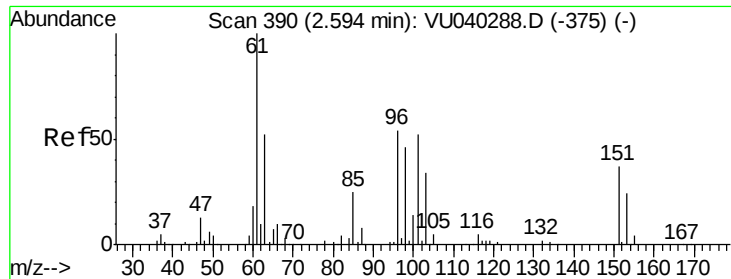
66 0.0 22.7 42.1#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.047 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU040294.D

Acq: 25 Sep 2020 12:55

Instrument :

MSVOA_U

ClientSampled :

BFSB3

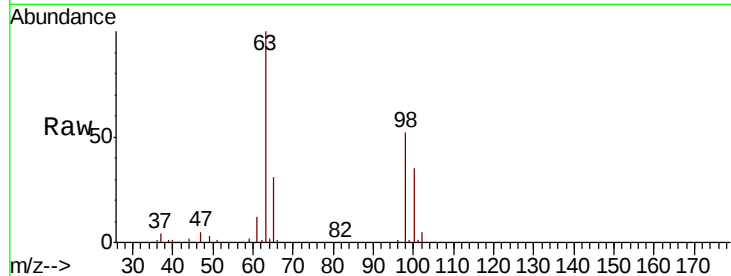
Tot Ion:101 Resp: 553

Ion Ratio Lower Upper

101 100

85 0.0 37.7 56.5#

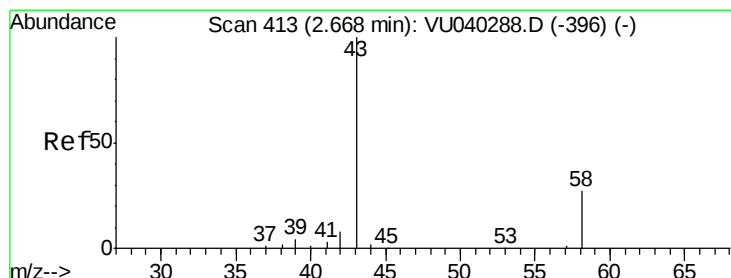
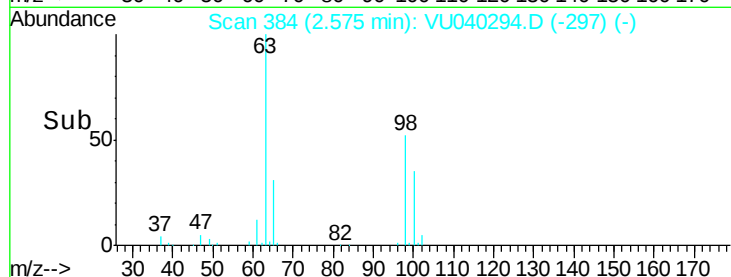
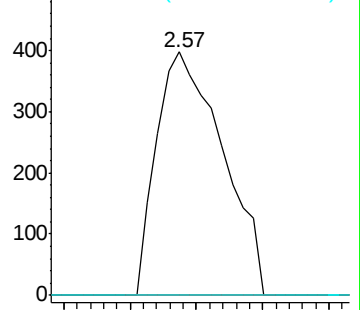
151 0.0 53.9 80.9#



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



#13

Acetone

Concen: 2.863 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU040294.D

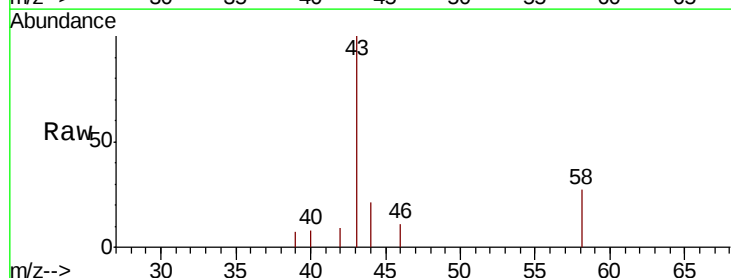
Acq: 25 Sep 2020 12:55

Tgt Ion: 43 Resp: 7546

Ion Ratio Lower Upper

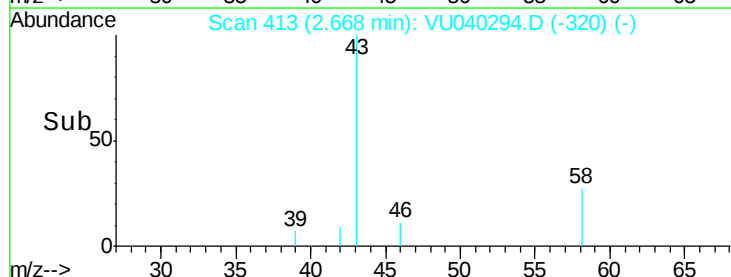
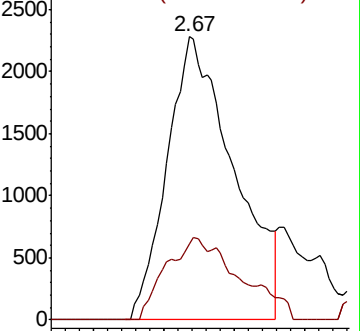
43 100

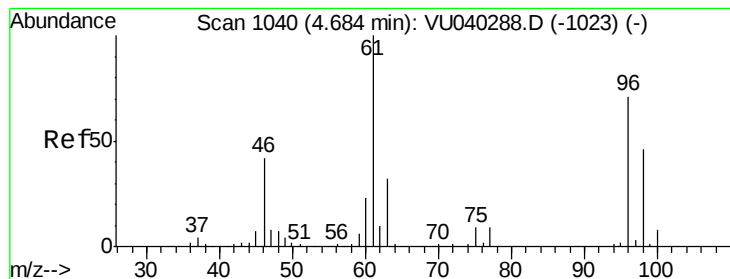
58 32.0 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.149 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU040294.D

Acq: 25 Sep 2020 12:55

Instrument :

MSVOA_U

ClientSampleId :

BFSB3

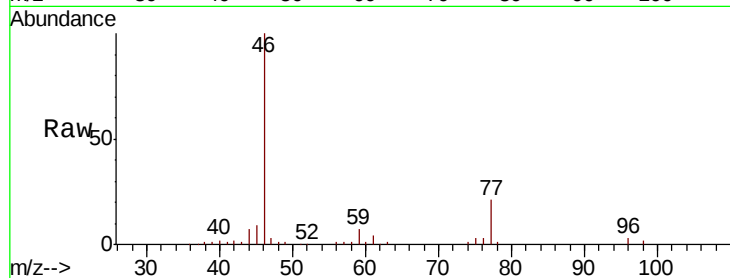
Tot Ion: 96 Resp: 1740

Ion Ratio Lower Upper

96 100

61 151.3 98.8 183.4

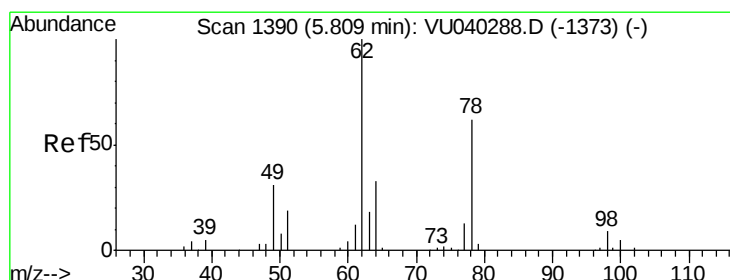
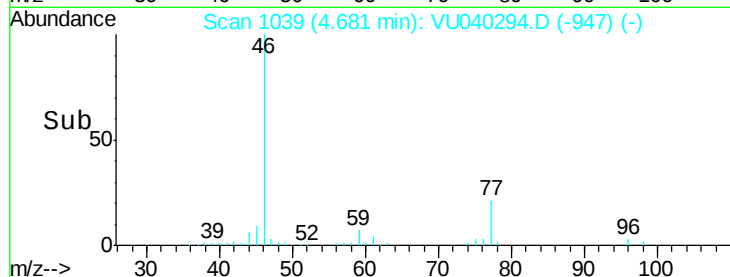
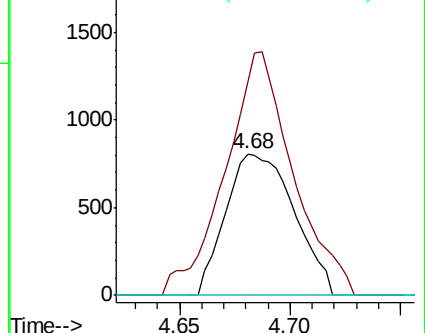
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040288.D (-1023) (-)

Ion 61.05 (60.75 to 61.75): VU040288.D (-1023) (-)

Ion 68.15 (67.85 to 68.85): VU040288.D (-1023) (-)



#27

1,2-Dichloroethane

Concen: 0.051 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.07 min

Lab File: VU040294.D

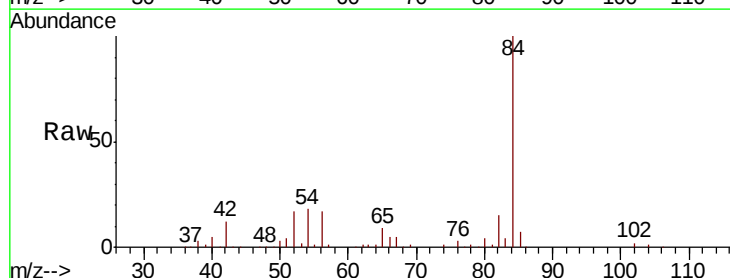
Acq: 25 Sep 2020 12:55

Tgt Ion: 62 Resp: 857

Ion Ratio Lower Upper

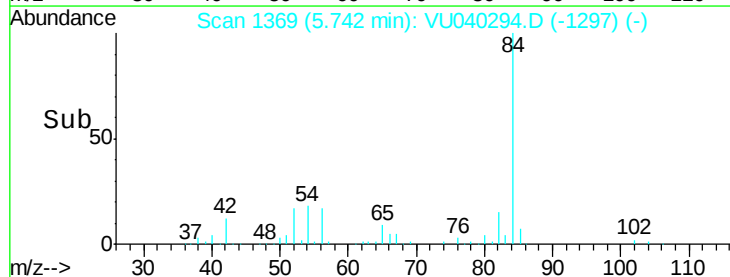
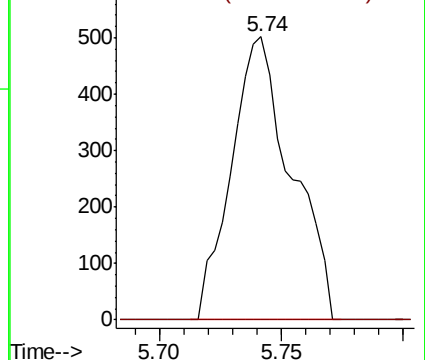
62 100

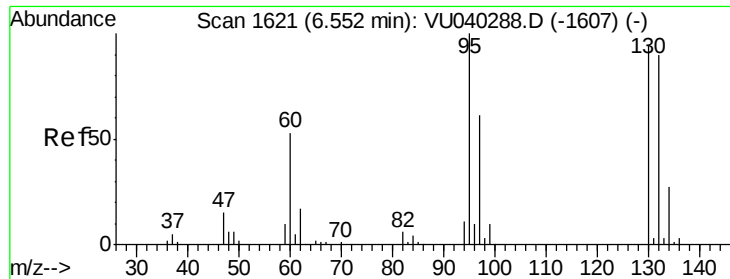
98 0.0 6.1 9.1#



Abundance Ion 62.00 (61.70 to 62.70): VU040288.D (-1373) (-)

Ion 98.05 (97.75 to 98.75): VU040288.D (-1373) (-)

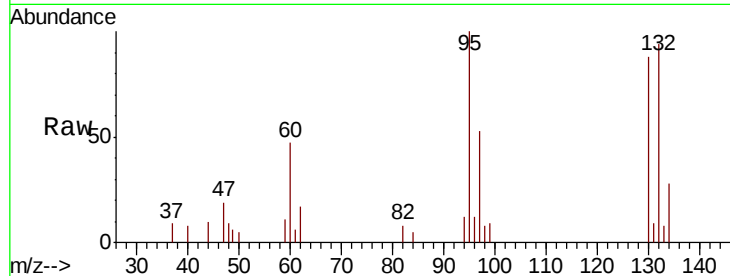




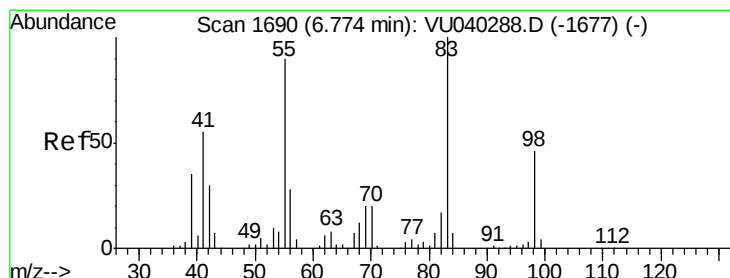
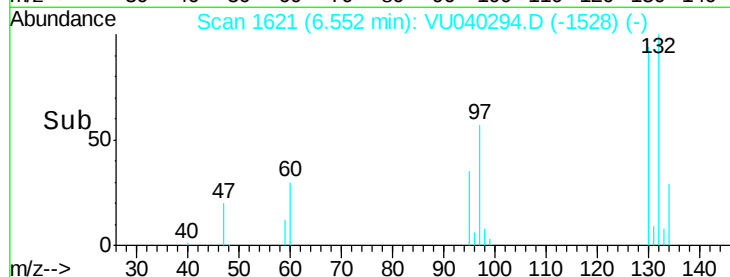
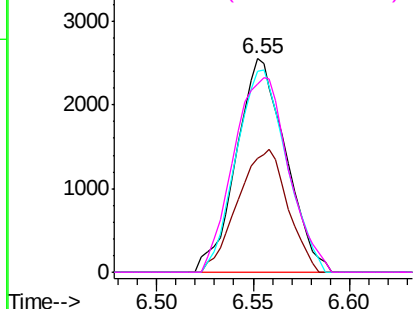
#34
 Trichloroethene
 Concen: 0.357 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU040294.D
 Acq: 25 Sep 2020 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSB3

Tot Ion: 95 Resp: 4535
 Ion Ratio Lower Upper
 95 100
 97 53.2 43.3 80.5
 132 94.0 59.4 110.4
 130 88.0 64.8 120.4

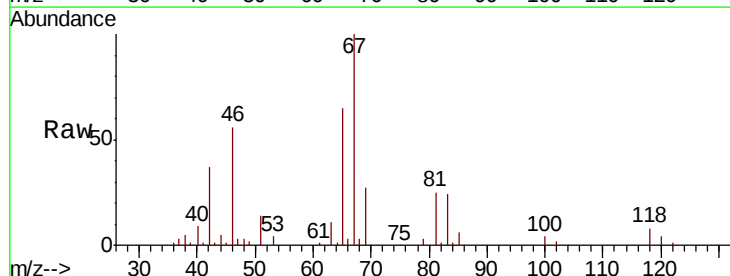


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

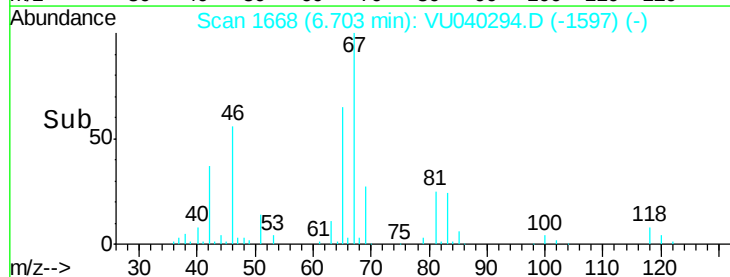
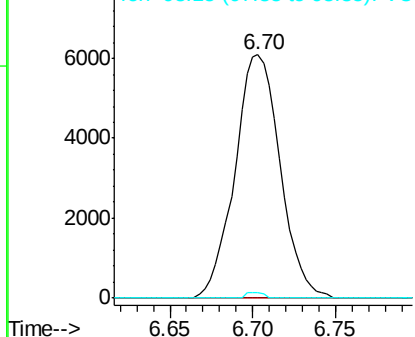


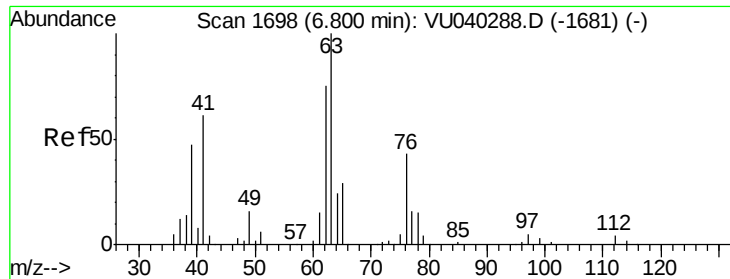
#35
 Methylcyclohexane
 Concen: 0.595 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040294.D
 Acq: 25 Sep 2020 12:55

Tgt Ion: 83 Resp: 11567
 Ion Ratio Lower Upper
 83 100
 55 0.0 70.5 105.7#
 98 0.8 37.8 56.6#



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

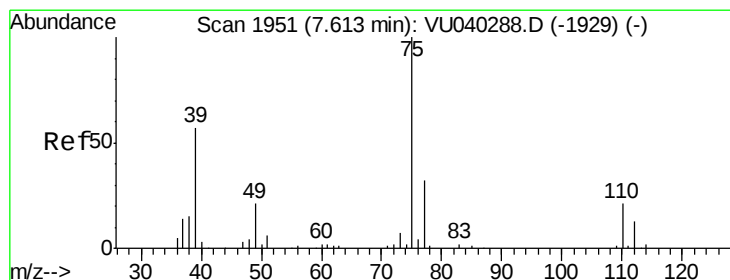
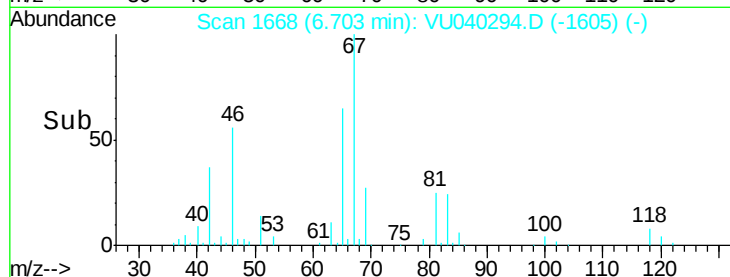
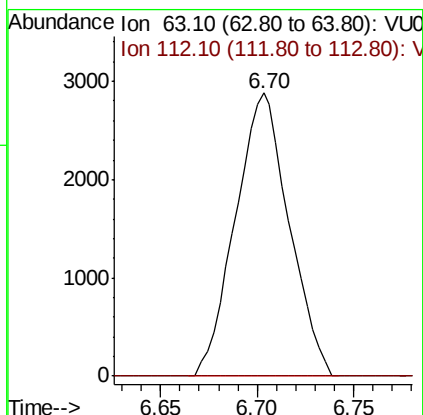
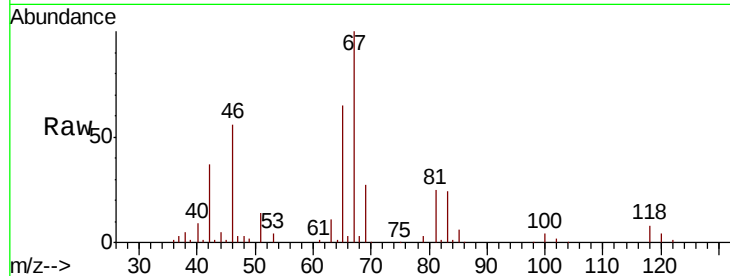




#37
 1,2-Dichloropropane
 Concen: 0.434 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040294.D
 Acq: 25 Sep 2020 12:55

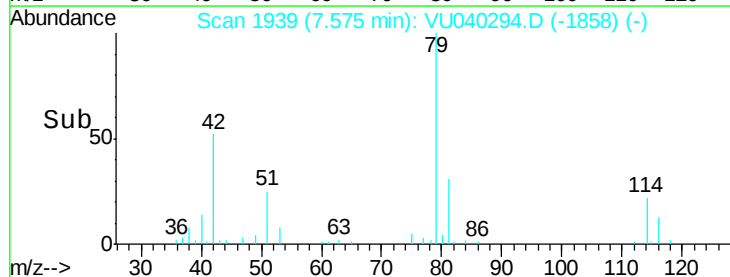
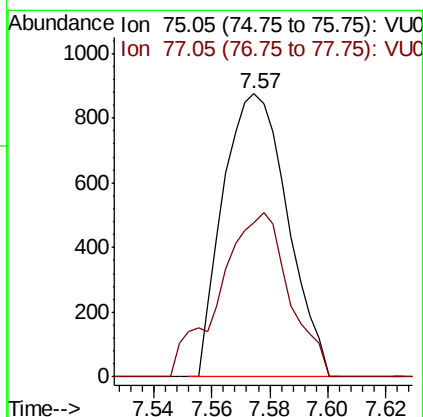
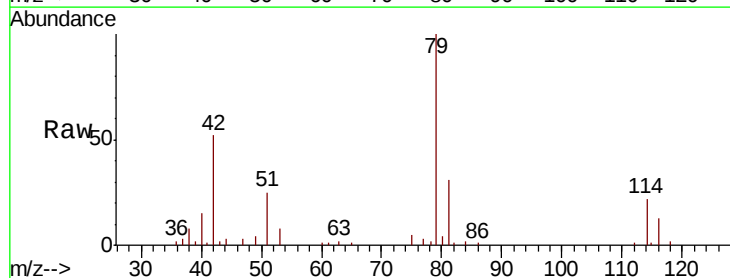
Instrument :
 MSVOA_U
 ClientSampleId :
 BFSB3

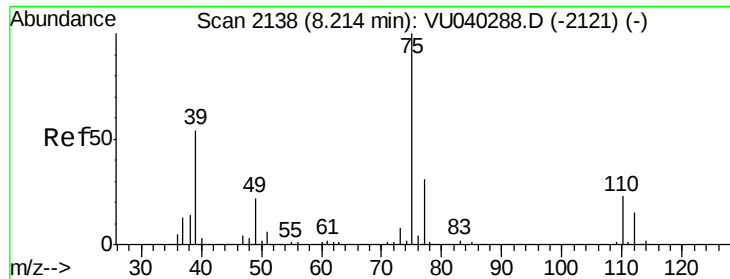
Tot Ion: 63 Resp: 5558
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.072 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040294.D
 Acq: 25 Sep 2020 12:55

Tgt Ion: 75 Resp: 1352
 Ion Ratio Lower Upper
 75 100
 77 54.5 21.1 39.3#





#44

trans-1,3-Dichloropropene

Concen: 0.044 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040294.D

Acq: 25 Sep 2020 12:55

Instrument :

MSVOA_U

ClientSampleId :

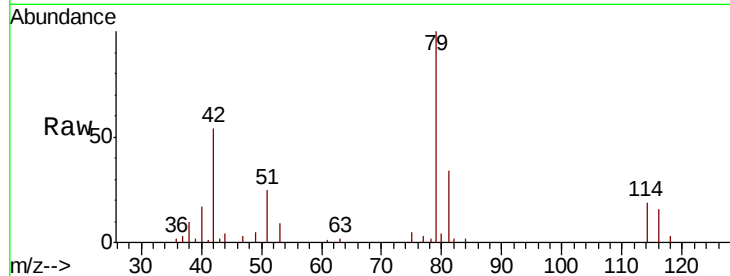
BFSB3

Tot Ion: 75 Resp: 771

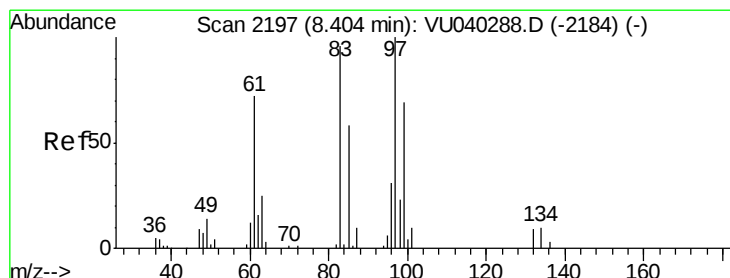
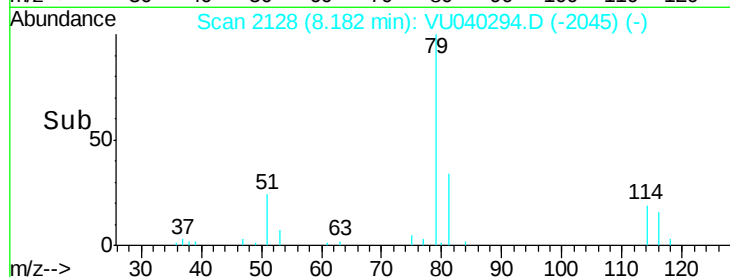
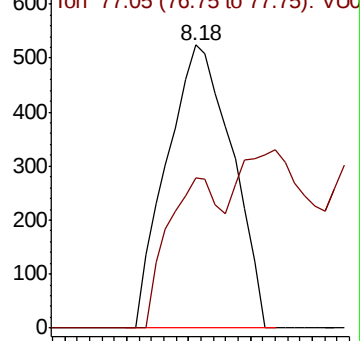
Ion Ratio Lower Upper

75 100

77 53.1 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040288.D (-2121) (-)



#45

1,1,2-Trichloroethane

Concen: 0.855 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.15 min

Lab File: VU040294.D

Acq: 25 Sep 2020 12:55

Tgt Ion: 97 Resp: 7982

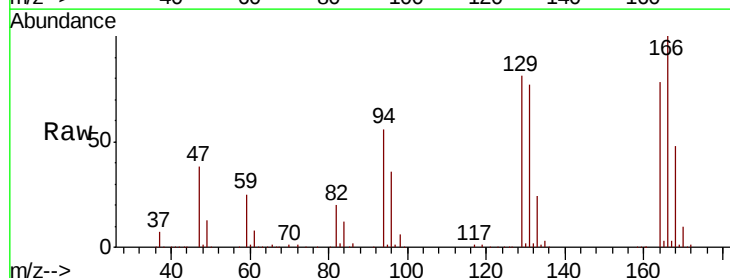
Ion Ratio Lower Upper

97 100

99 14.0 43.0 79.8#

83 256.5 61.7 114.7#

85 40.5 39.3 73.1

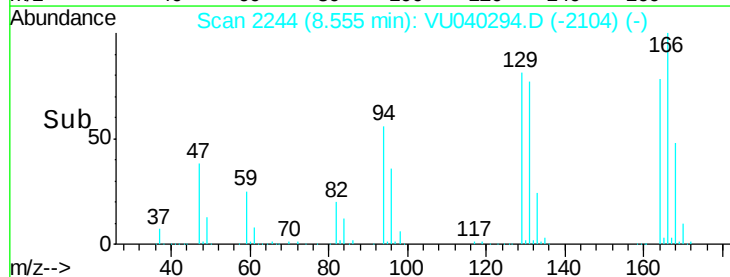
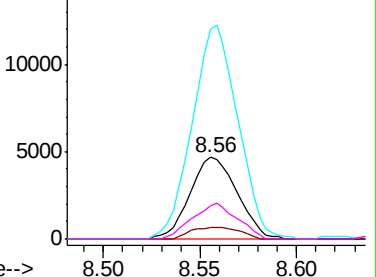


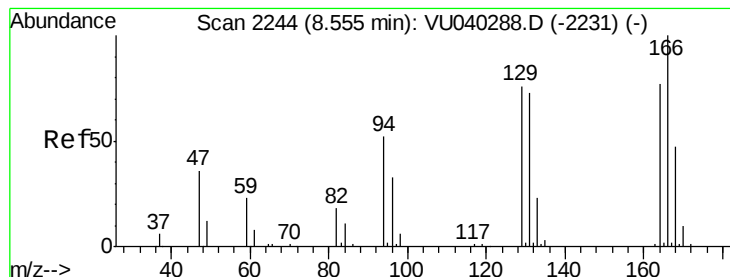
Abundance Ion 96.95 (96.65 to 97.65): VU040288.D (-2184) (-)

Ion 99.05 (98.75 to 99.75): VU040288.D (-2184) (-)

Ion 82.95 (82.65 to 83.65): VU040288.D (-2184) (-)

Ion 85.00 (84.70 to 85.70): VU040288.D (-2184) (-)





#47

Tetrachloroethene

Concen: 93.560 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040294.D

Acq: 25 Sep 2020 12:55

Instrument :

MSVOA_U

ClientSampleId :

BFSB3

Tot Ion:164 Resp: 779778

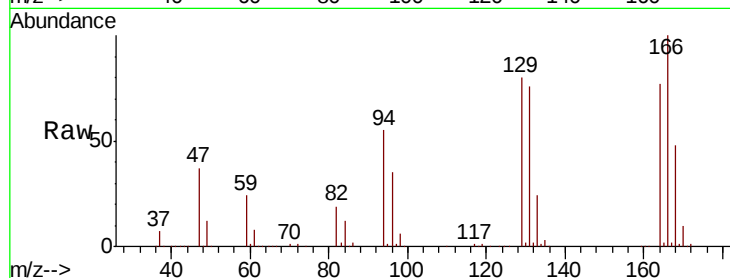
Ion Ratio Lower Upper

164 100

129 102.9 71.5 132.7

131 98.3 65.9 122.5

166 129.3 87.3 162.1

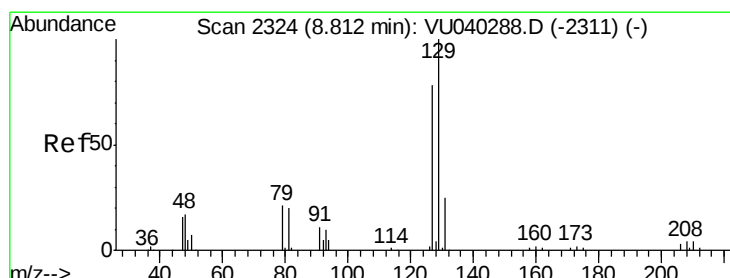
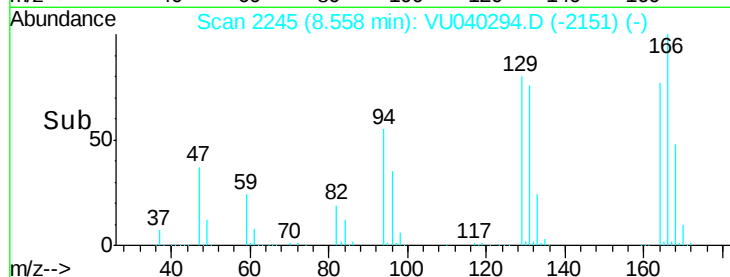
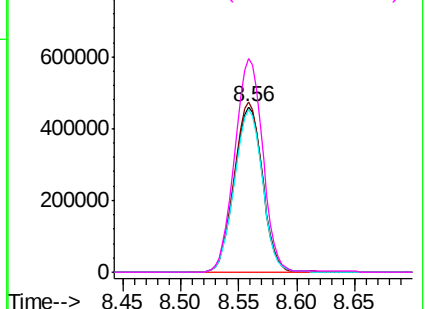


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 70.378 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040294.D

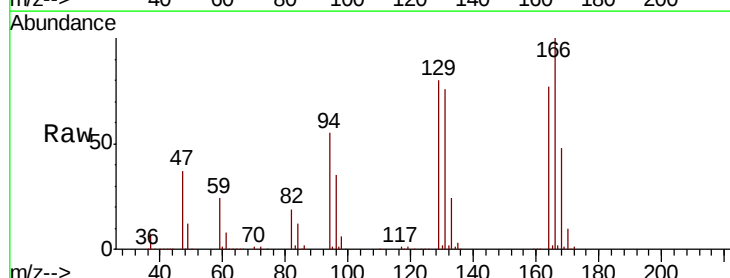
Acq: 25 Sep 2020 12:55

Tgt Ion:129 Resp: 788198

Ion Ratio Lower Upper

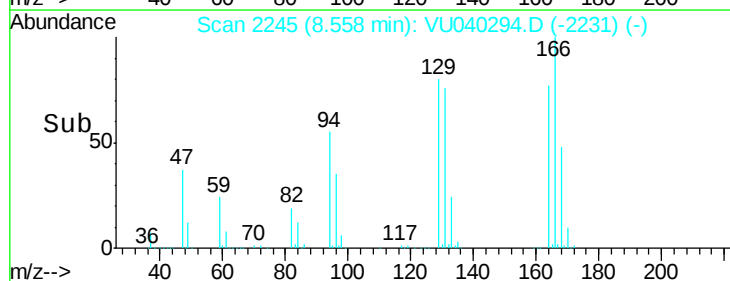
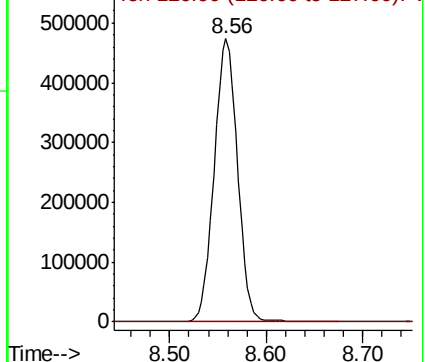
129 100

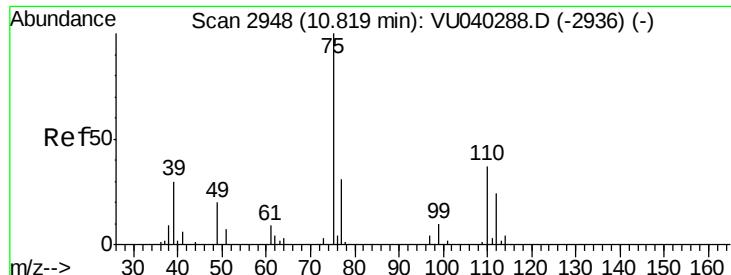
127 0.0 53.7 99.7#



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: 0.900 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU040294.D

Acq: 25 Sep 2020 12:55

Instrument :

MSVOA_U

ClientSampleId :

BFSB3

Tot Ion: 75 Resp: 8536

Ion Ratio Lower Upper

75 100

77 35.5 24.9 37.3

