

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110320\
 Data File : VU041067.D
 Acq On : 03 Nov 2020 10:42
 Operator : SY/MD
 Sample : L4584-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSF1

Quant Time: Nov 04 00:58:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 04 00:51:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	50448	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	52881	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	22772	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	19263	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.93	69	15465	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.58	63	27960	3.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.20%
20) 2-Butanone-d5	4.65	46	85126	60.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.98%
24) Chloroform-d	5.08	84	35874	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.72	65	24687	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
32) Benzene-d6	5.74	84	65816	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.70	67	22802	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.90	98	52458	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
43) trans-1,3-Dichloropropene-	8.19	79	9427	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.64	63	57887	53.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.74%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22276	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	20251	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

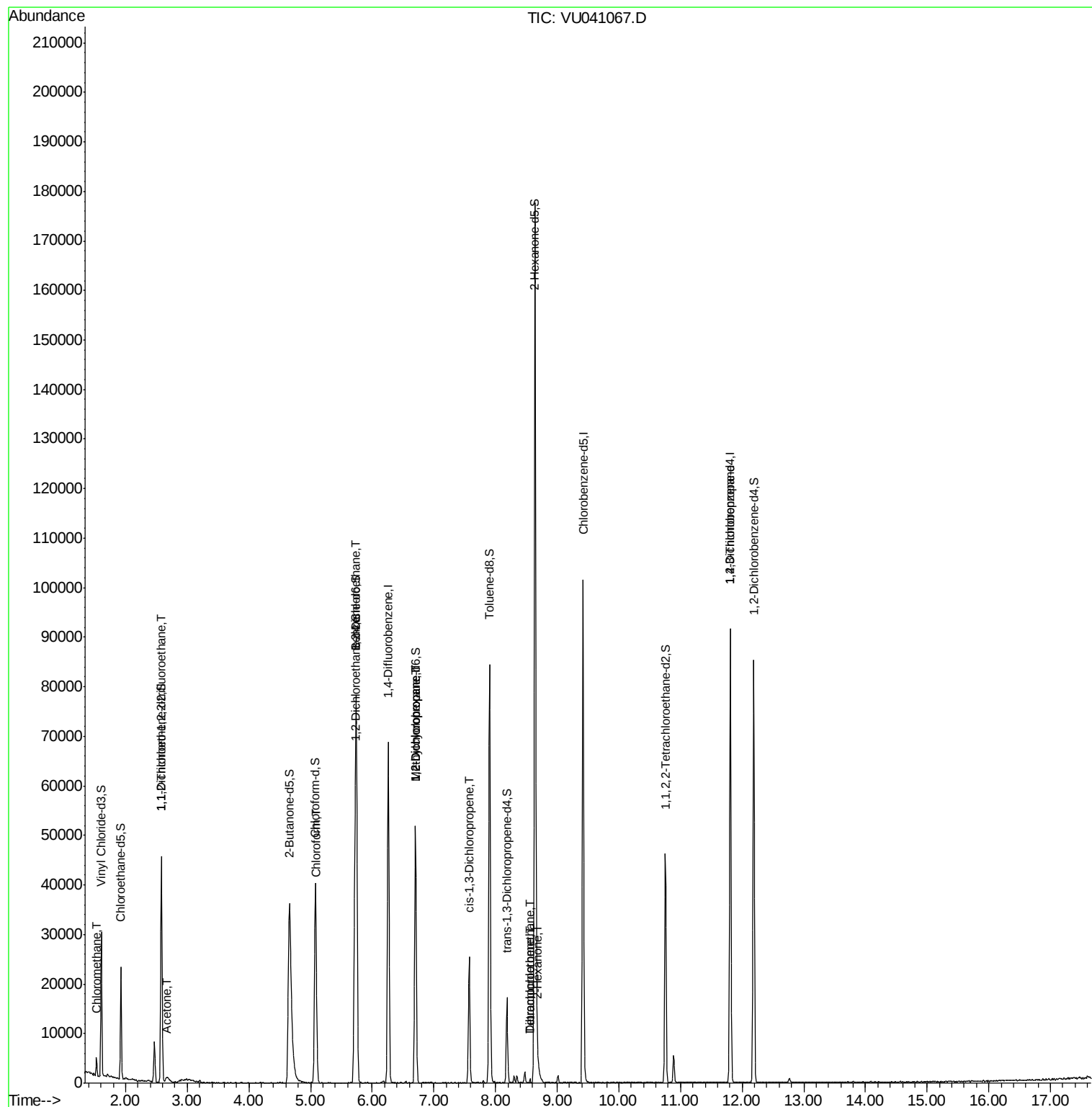
					Ovalue
3) Chloromethane	1.53	50	2656	0.553 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	173	0.046 ug/L #	22
13) Acetone	2.67	43	2926	3.066 ug/L	92
25) Chloroform	5.10	83	766	0.106 ug/L	92
27) 1,2-Dichloroethane	5.74	62	476	0.088 ug/L #	74
35) Methylcyclohexane	6.70	83	5231	0.872 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2650	0.620 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	558	0.095 ug/L #	65
47) Tetrachloroethene	8.56	164	189	0.064 ug/L	96
48) 2-Hexanone	8.69	43	1290	0.503 ug/L #	69
49) Dibromochloromethane	8.56	129	171	0.046 ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3212	1.008 ug/L	92

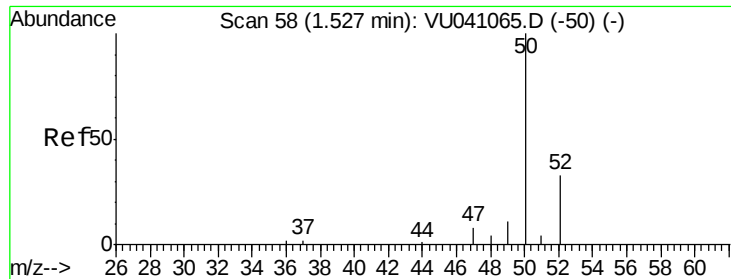
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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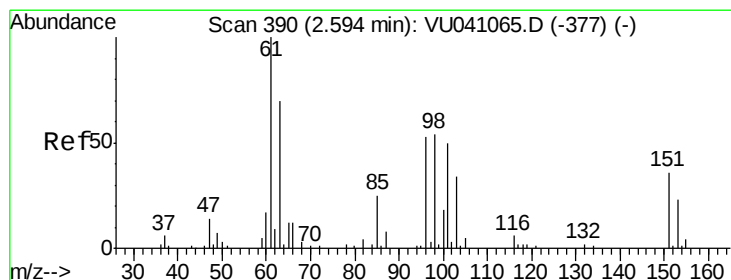
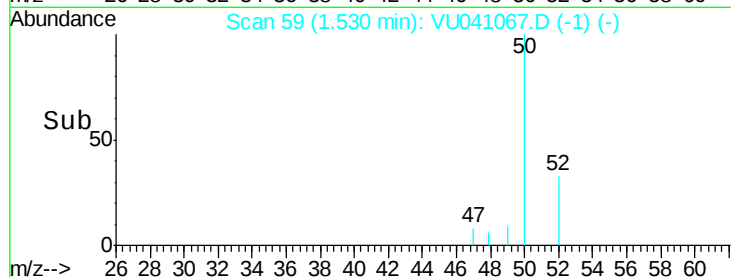
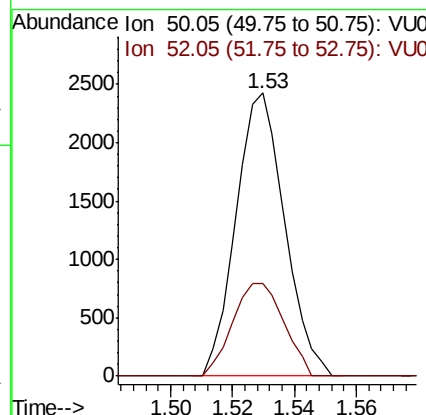
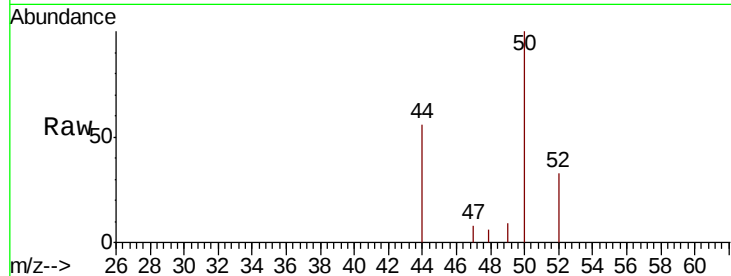




#3
Chloromethane
Concen: 0.553 ug/L
RT: 1.53 min Scan# 59
Delta R.T. 0.00 min
Lab File: VU041067.D
Acq: 03 Nov 2020 10:42

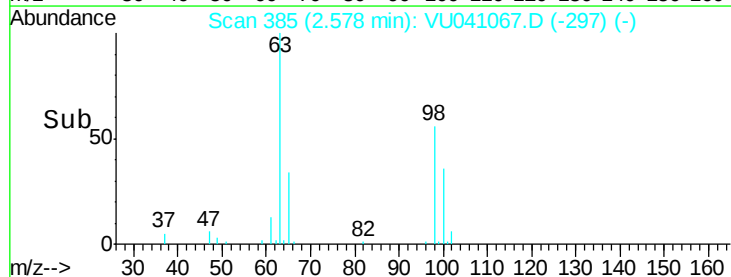
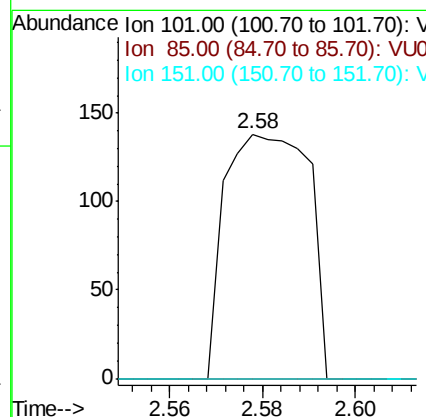
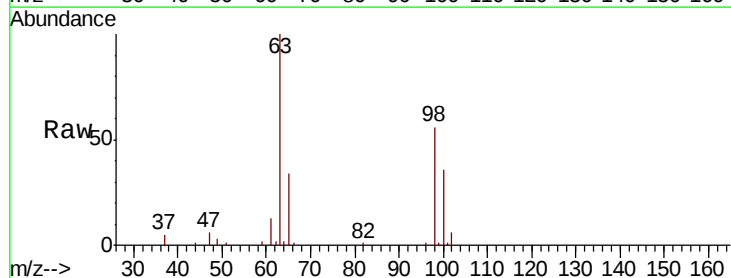
Instrument :
MSVOA_U
ClientSampled :
BFSF1

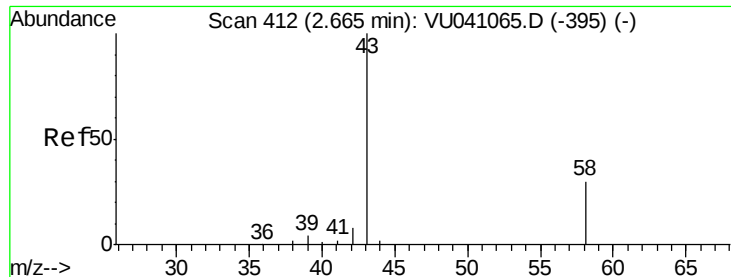
Tot Ion: 50 Resp: 2656
Ion Ratio Lower Upper
50 100
52 32.8 22.4 41.6



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.046 ug/L
RT: 2.58 min Scan# 385
Delta R.T. -0.02 min
Lab File: VU041067.D
Acq: 03 Nov 2020 10:42

Tgt Ion:101 Resp: 173
Ion Ratio Lower Upper
101 100
85 0.0 35.0 52.4#
151 0.0 55.3 82.9#





#13

Acetone

Concen: 3.066 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU041067.D

Acq: 03 Nov 2020 10:42

Instrument :

MSVOA_U

ClientSampleId :

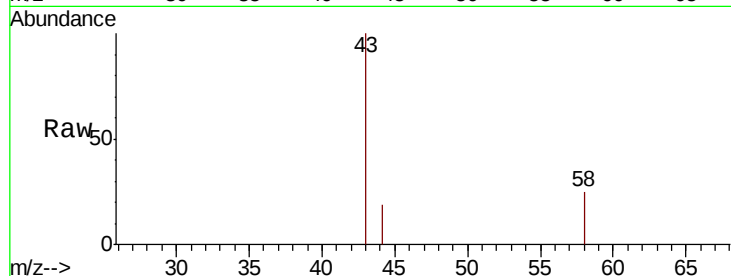
BFSF1

Tot Ion: 43 Resp: 2926

Ion Ratio Lower Upper

43 100

58 15.7 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU041067.D (-319) (-)

Ion 58.05 (57.75 to 58.75): VU041067.D (-319) (-)

2.67

800

600

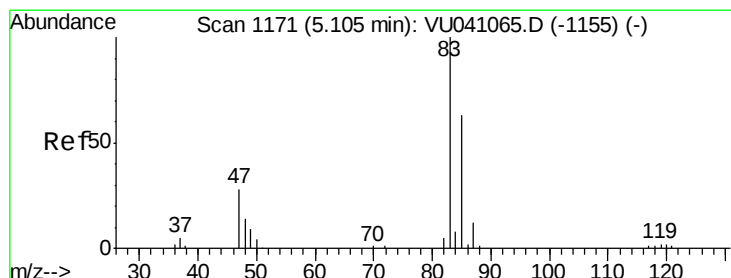
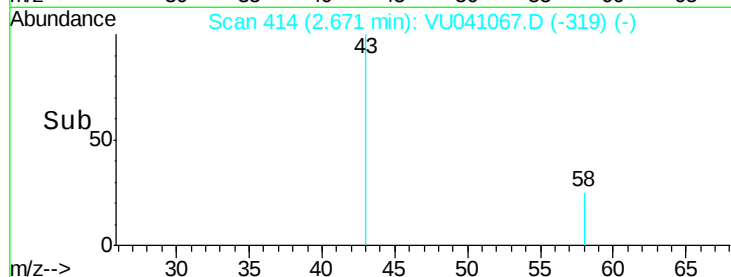
400

200

0

Time-->

2.60 2.65 2.70 2.75 2.80



#25

Chloroform

Concen: 0.106 ug/L

RT: 5.10 min Scan# 1169

Delta R.T. -0.01 min

Lab File: VU041067.D

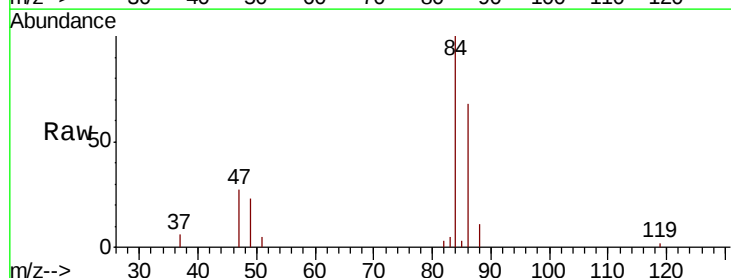
Acq: 03 Nov 2020 10:42

Tgt Ion: 83 Resp: 766

Ion Ratio Lower Upper

83 100

85 59.9 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU041067.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU041067.D (-1078) (-)

5.10

400

300

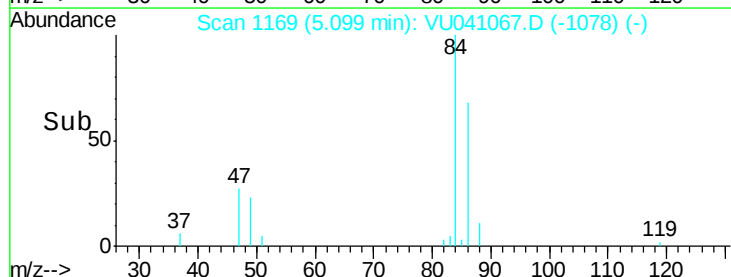
200

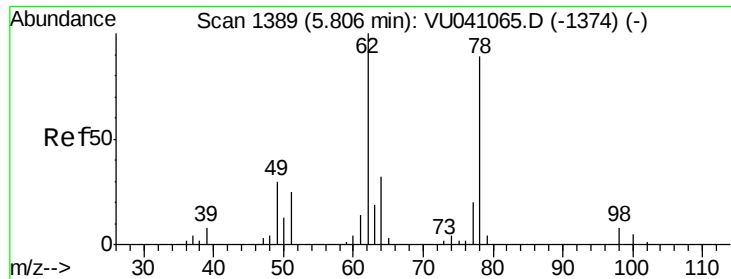
100

0

Time-->

5.10 5.15

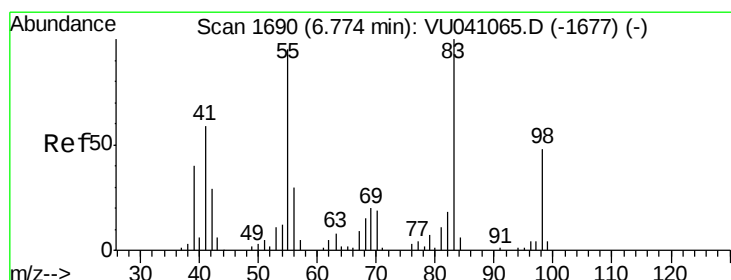
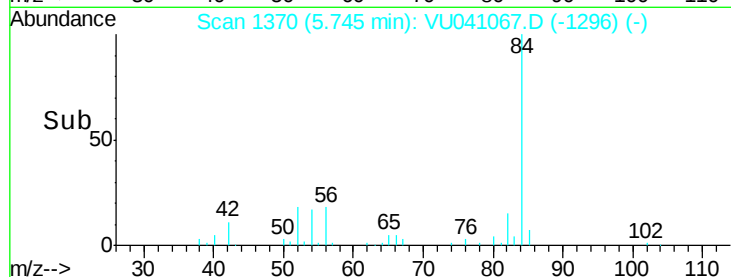
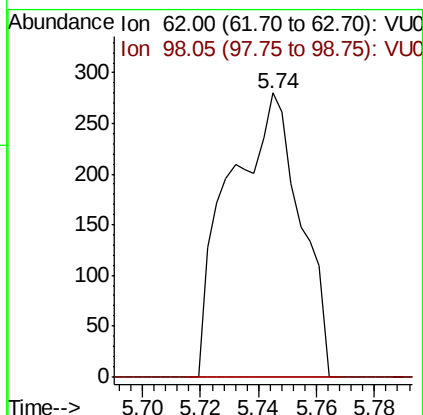
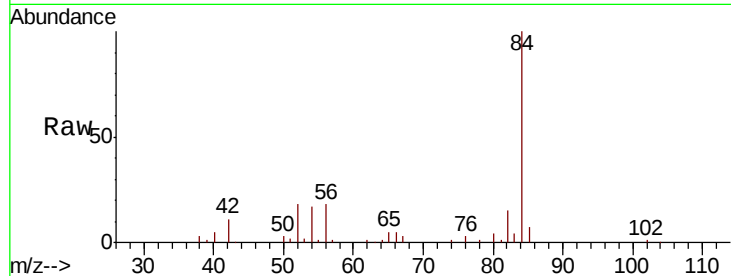




#27
 1,2-Dichloroethane
 Concen: 0.088 ug/L
 RT: 5.74 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU041067.D
 Acq: 03 Nov 2020 10:42

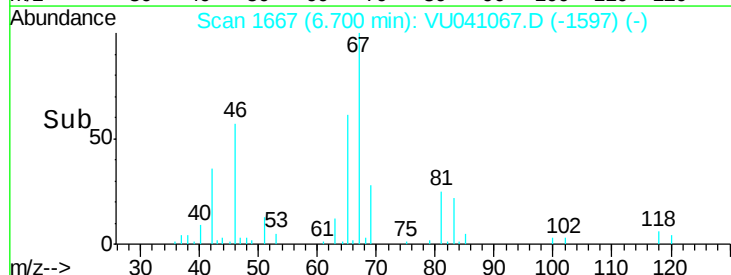
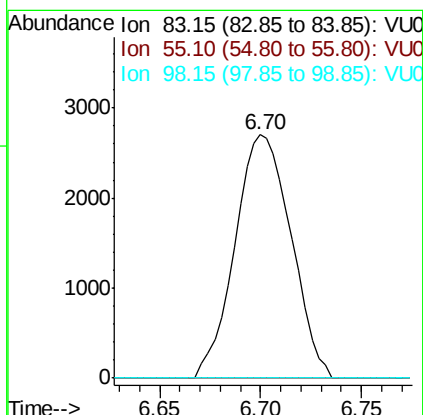
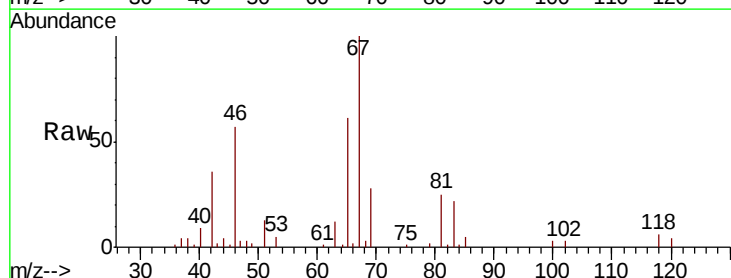
Instrument :
 MSVOA_U
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 BFSF1

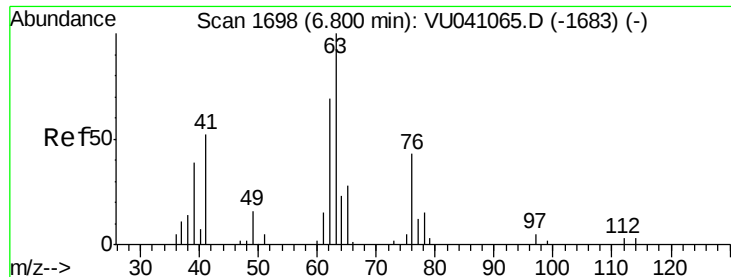
Tot Ion: 62.00 Resp: 476
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#35
 Methylcyclohexane
 Concen: 0.872 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041067.D
 Acq: 03 Nov 2020 10:42

Tgt Ion: 83 Resp: 5231
 Ion Ratio Lower Upper
 83 100
 55 0.0 72.0 108.0#
 98 0.0 36.6 55.0#

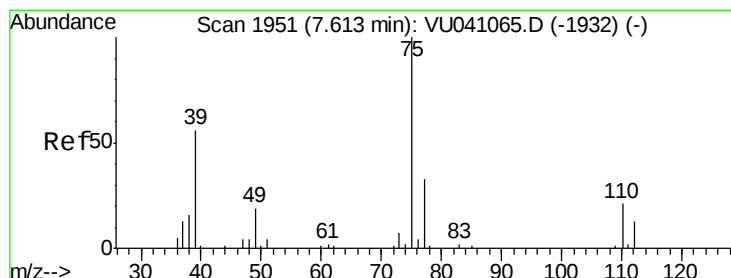
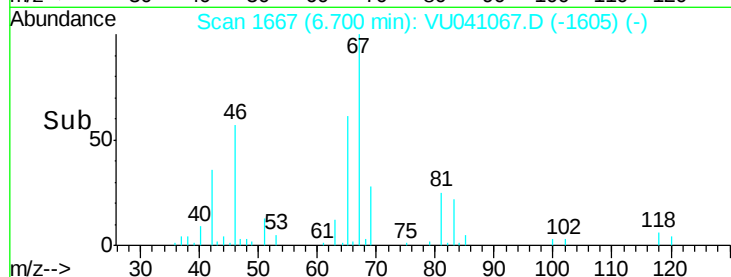
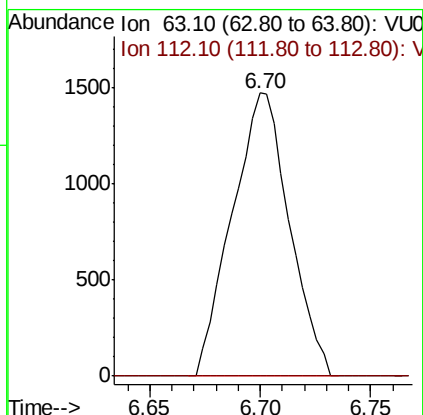
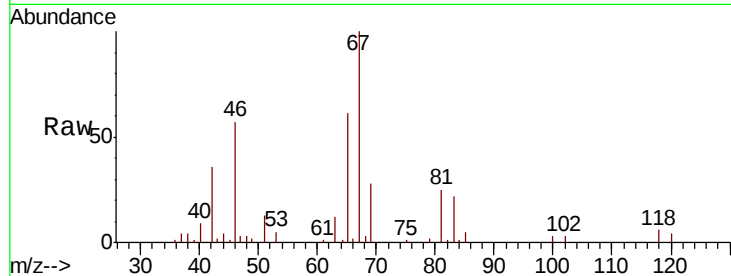




#37
 1,2-Dichloropropane
 Concen: 0.620 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041067.D
 Acq: 03 Nov 2020 10:42

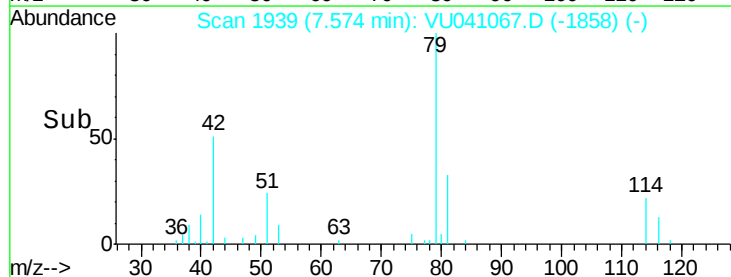
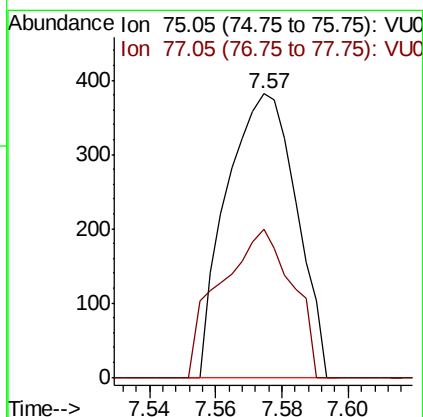
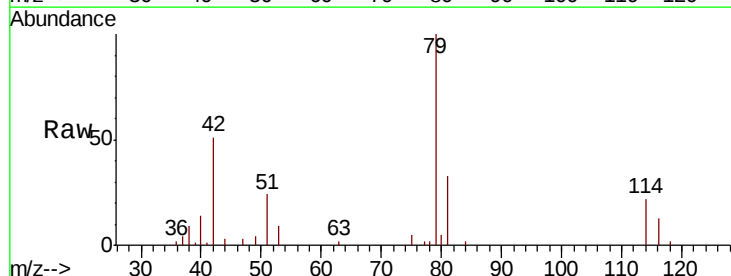
Instrument :
 MSVOA_U
 ClientSampleId :
 BFSF1

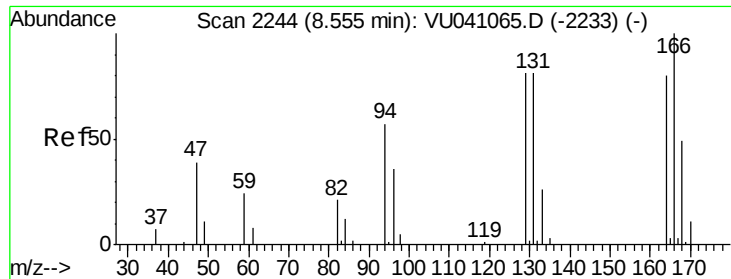
Tot Ion: 63 Resp: 2650
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.095 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041067.D
 Acq: 03 Nov 2020 10:42

Tgt Ion: 75 Resp: 558
 Ion Ratio Lower Upper
 75 100
 77 52.1 22.7 42.3#





#47

Tetrachloroethene

Concen: 0.064 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041067.D

Acq: 03 Nov 2020 10:42

Instrument :
MSVOA_U
ClientSampleId :
BFSF1

Tot Ion:164 Resp: 189

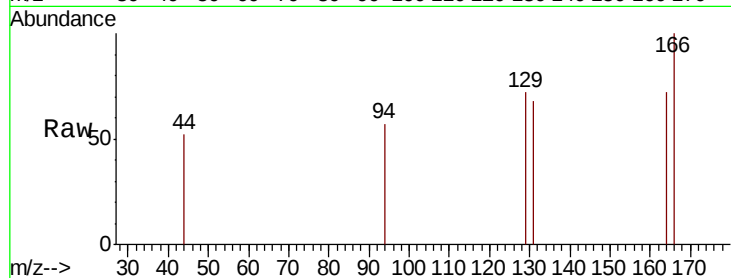
Ion Ratio Lower Upper

164 100

129 100.0 70.3 130.7

131 94.8 70.8 131.4

166 138.4 92.0 170.8

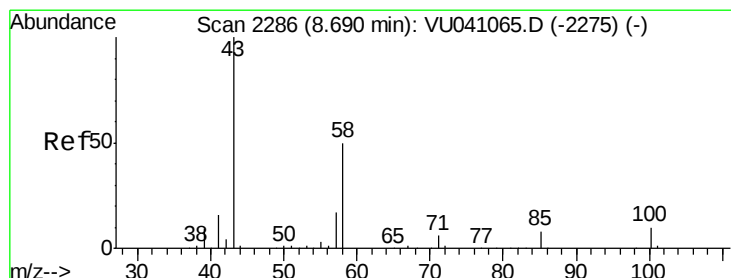
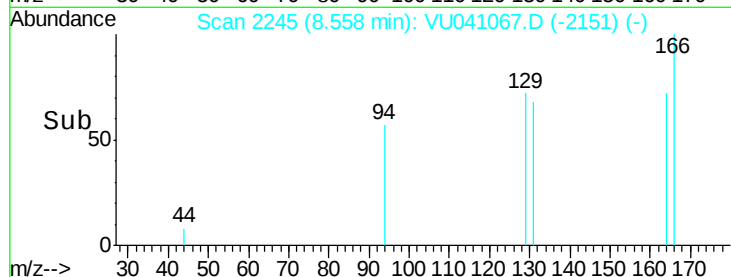
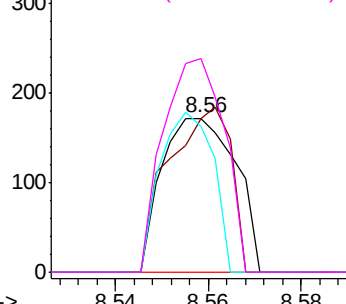


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.503 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VU041067.D

Acq: 03 Nov 2020 10:42

Tgt Ion: 43 Resp: 1290

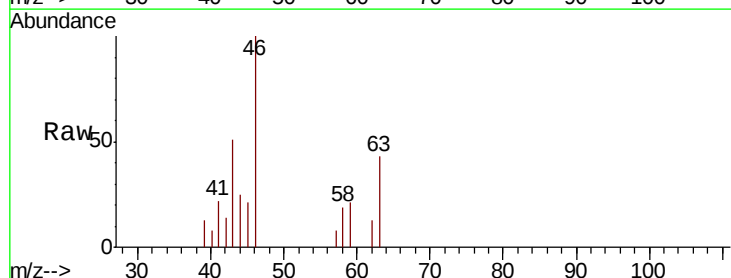
Ion Ratio Lower Upper

43 100

58 31.9 41.4 62.2#

57 0.0 14.6 21.8#

100 0.0 8.3 12.5#

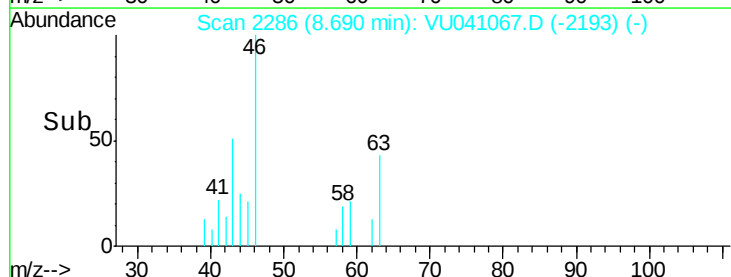
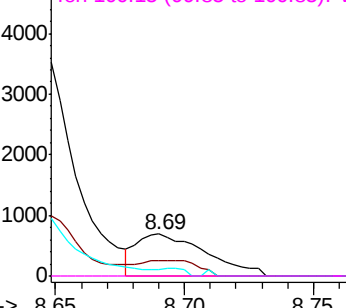


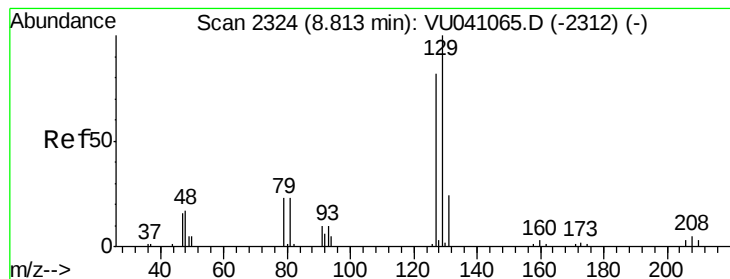
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.046 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. -0.25 min

Lab File: VU041067.D

Acq: 03 Nov 2020 10:42

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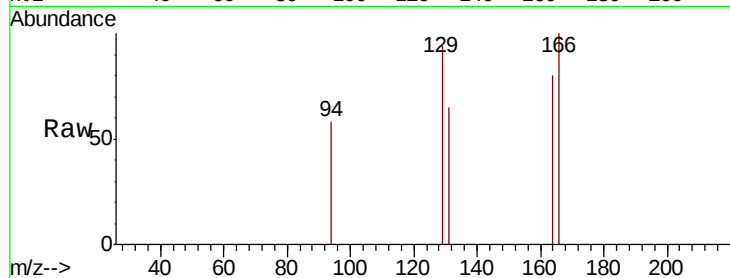
BFSF1

Tot Ion:129 Resp: 171

Ion Ratio Lower Upper

129 100

127 0.0 53.4 99.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

200

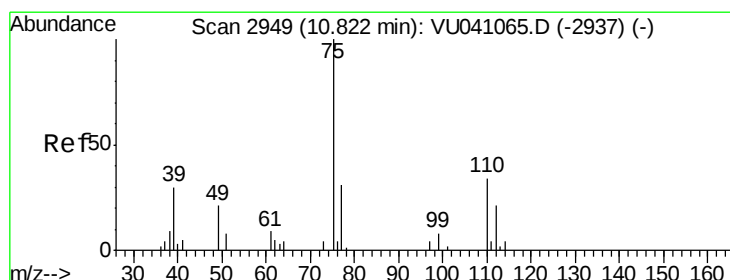
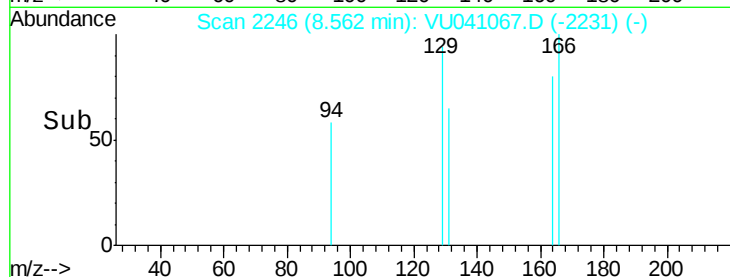
150

100

50

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.008 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041067.D

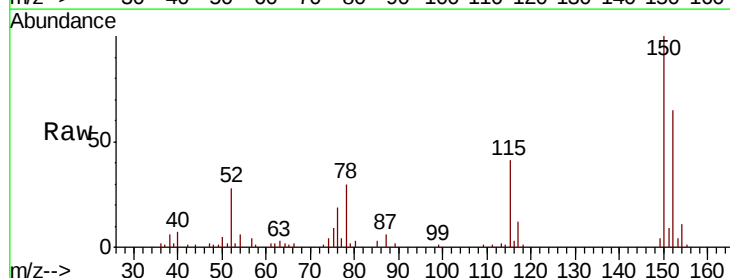
Acq: 03 Nov 2020 10:42

Tgt Ion: 75 Resp: 3212

Ion Ratio Lower Upper

75 100

77 36.4 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

2000

1500

1000

500

0

Time-->

