

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110220\
 Data File : VU041049.D
 Acq On : 02 Nov 2020 14:37
 Operator : SY/MD
 Sample : L4550-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSF4

Quant Time: Nov 03 00:48:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 03 00:40:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	49001	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	51161	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	22241	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	20502	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.92	69	15652	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.58	63	30182	3.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.80%
20) 2-Butanone-d5	4.65	46	83989	61.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.92%
24) Chloroform-d	5.08	84	36339	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.72	65	24715	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.60%
32) Benzene-d6	5.74	84	69738	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.70	67	23498	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.91	98	58016	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	8.19	79	9879	5.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.40%
46) 2-Hexanone-d5	8.64	63	59861	57.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.16%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22846	5.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	22220	5.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.80%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	3721	0.798 ug/L	97
8) Chloroethane	1.94	64	132	0.045 ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	186	0.051 ug/L #	22
13) Acetone	2.65	43	2322	2.505 ug/L #	67
25) Chloroform	5.11	83	744	0.105 ug/L	97
27) 1,2-Dichloroethane	5.74	62	355	0.068 ug/L #	74
33) Benzene	5.74	78	473	0.031 ug/L	100
35) Methylcyclohexane	6.70	83	5436	0.937 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2764	0.668 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	671	0.118 ug/L #	54
44) trans-1,3-Dichloropropene	8.18	75	517	0.097 ug/L #	71
47) Tetrachloroethene	8.56	164	939	0.328 ug/L	85
48) 2-Hexanone	8.64	43	10126	4.078 ug/L #	68
49) Dibromochloromethane	8.56	129	1126	0.315 ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	2978	0.966 ug/L #	84

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 03 00:40:40 2020
Response via : Initial Calibration

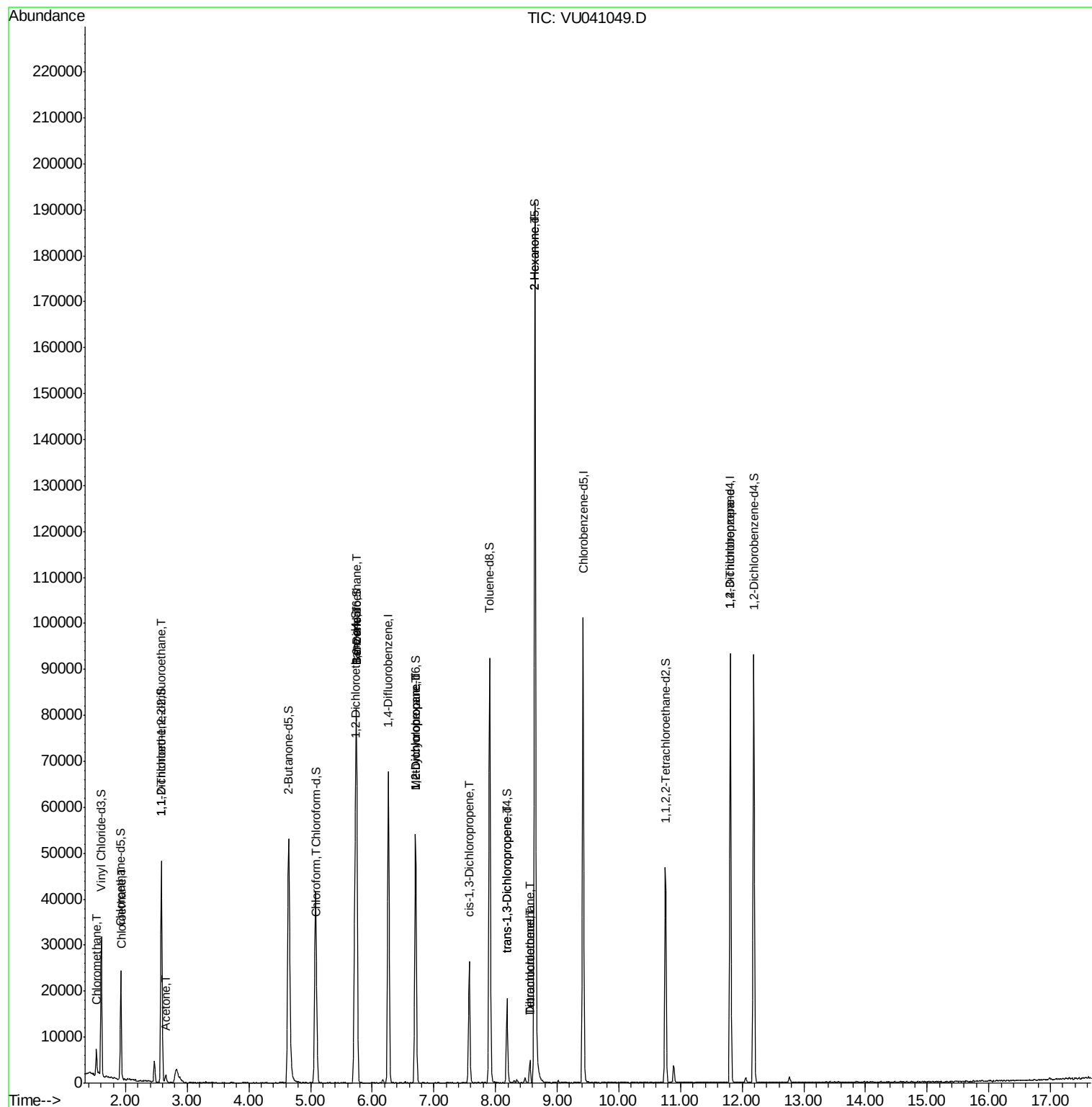
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

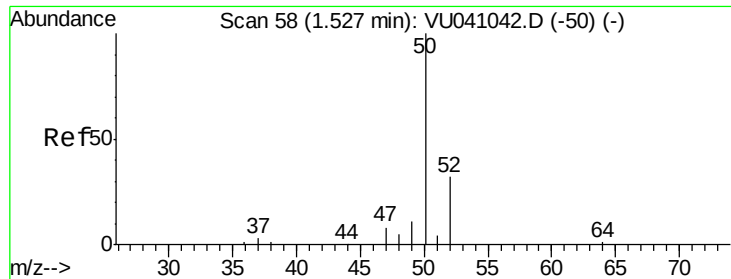
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.798 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041049.D

Acq: 02 Nov 2020 14:37

Instrument :

MSVOA_U

ClientSampleId :

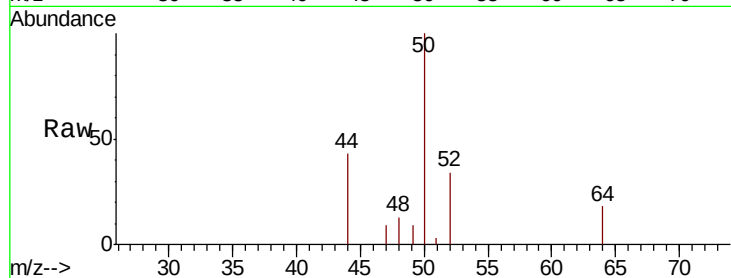
BFSF4

Tot Ion: 50 Resp: 3721

Ion Ratio Lower Upper

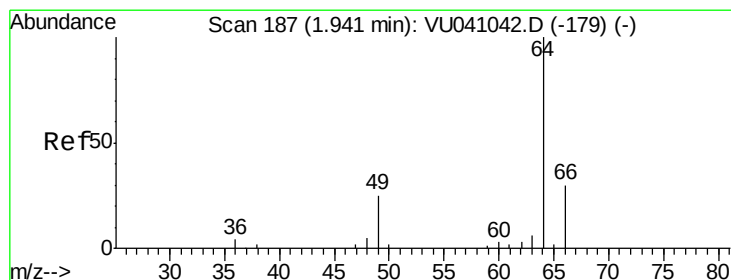
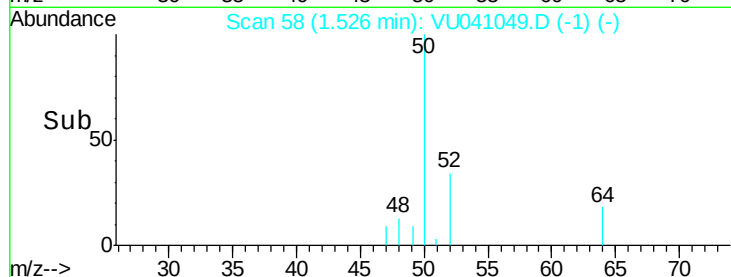
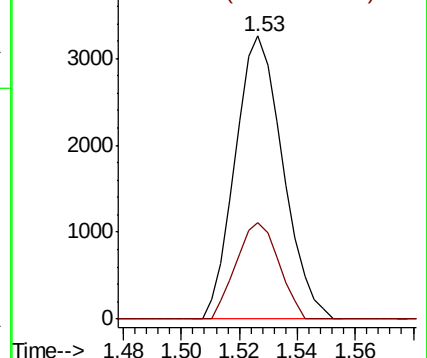
50 100

52 33.9 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.045 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU041049.D

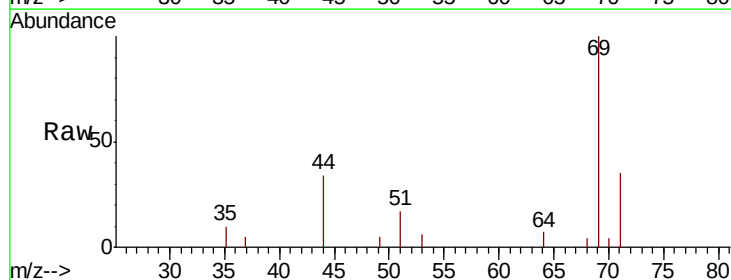
Acq: 02 Nov 2020 14:37

Tgt Ion: 64 Resp: 132

Ion Ratio Lower Upper

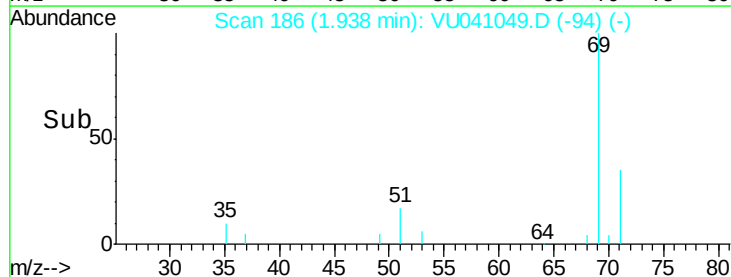
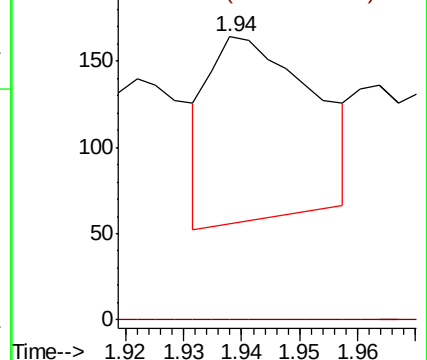
64 100

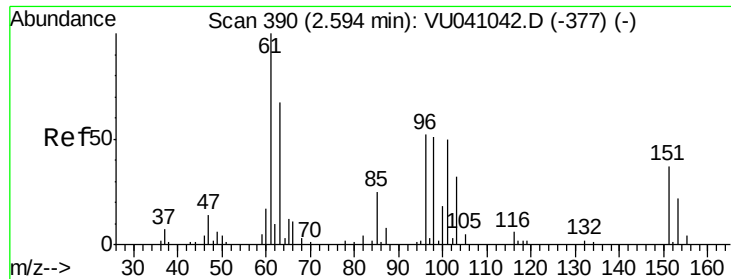
66 0.0 22.3 41.5#



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: 0.051 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU041049.D

Acq: 02 Nov 2020 14:37

Instrument :

MSVOA_U

ClientSampleId :

BFSF4

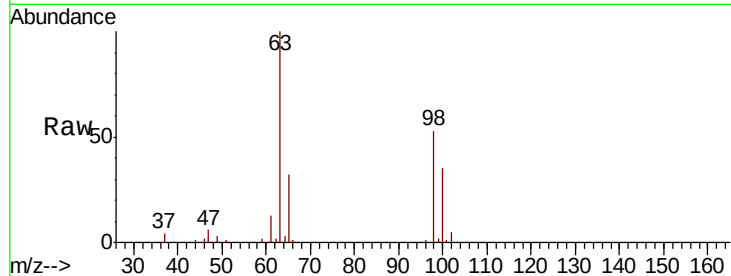
Tot Ion:101 Resp: 186

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.3 82.9#



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

2.58

150

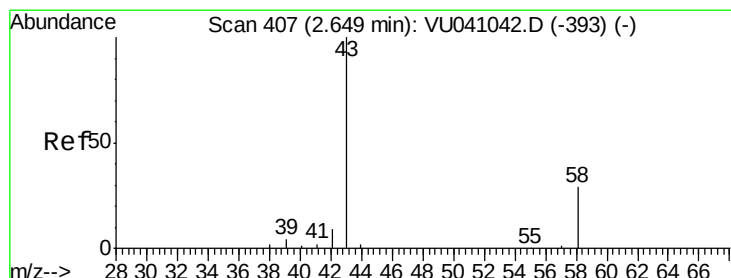
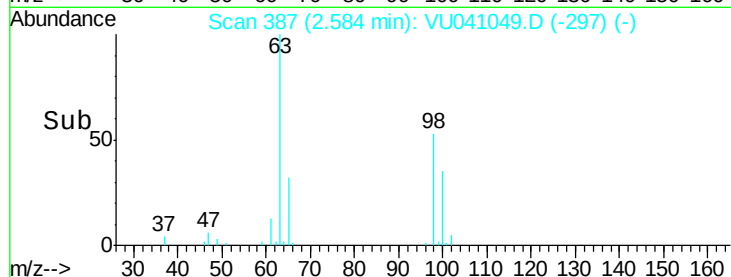
100

50

0

2.56 2.58 2.60

Time-->



#13

Acetone

Concen: 2.505 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU041049.D

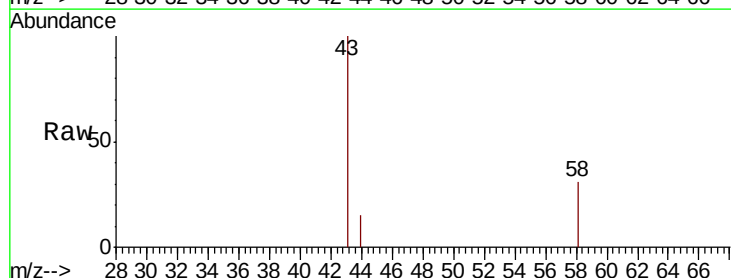
Acq: 02 Nov 2020 14:37

Tgt Ion: 43 Resp: 2322

Ion Ratio Lower Upper

43 100

58 25.7 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.65

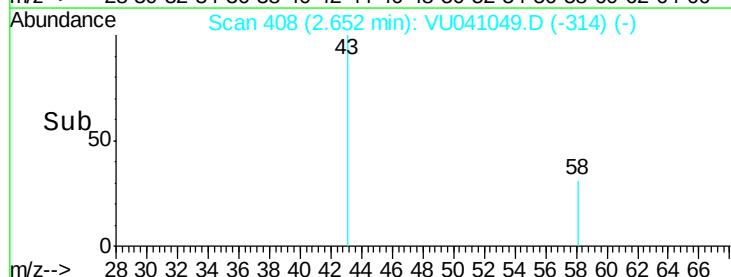
1000

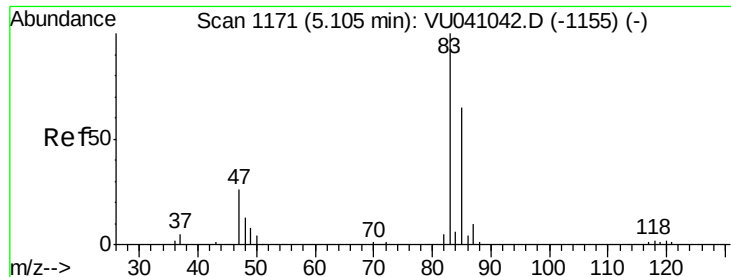
500

0

2.60 2.65 2.70

Time-->

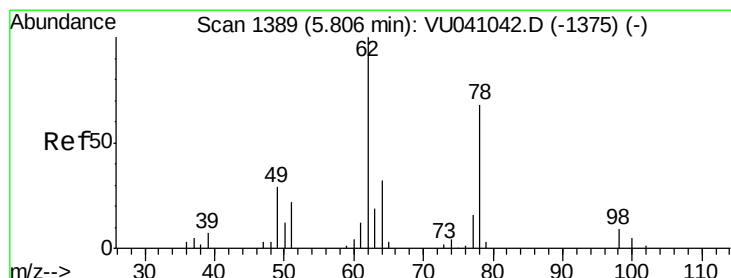
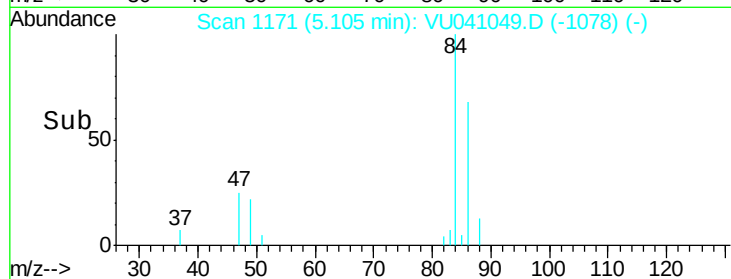
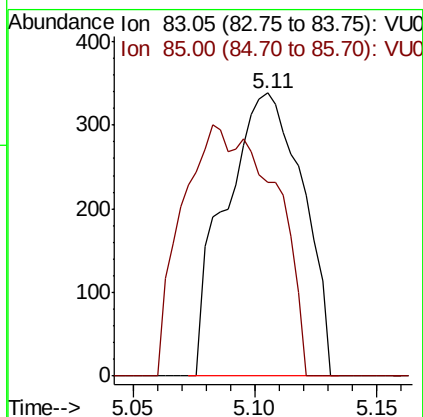
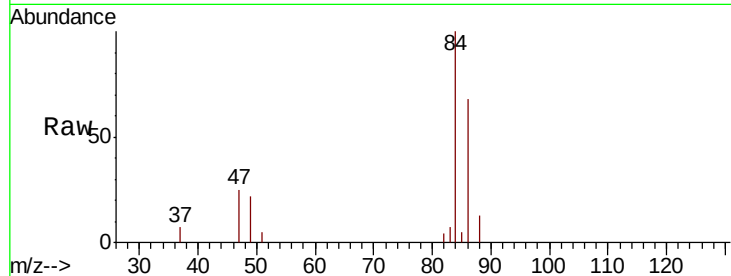




#25
Chloroform
Concen: 0.105 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041049.D
Acq: 02 Nov 2020 14:37

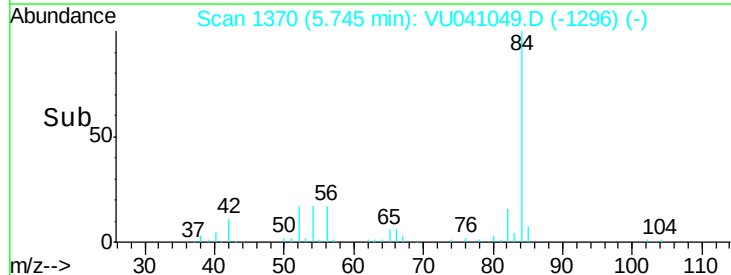
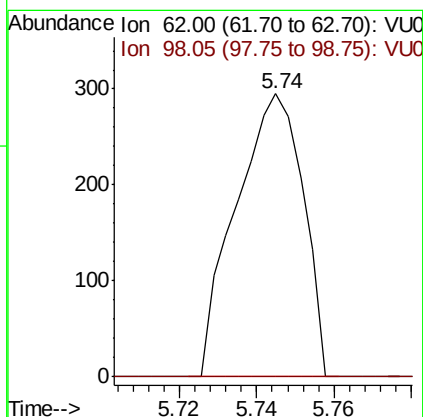
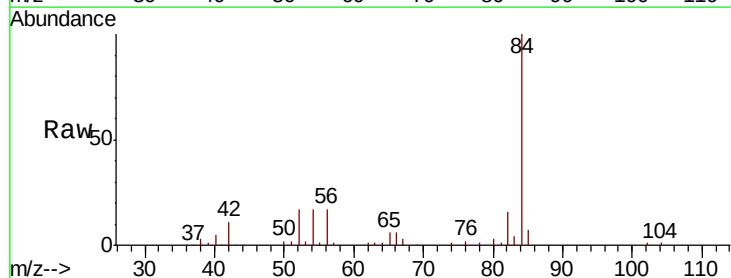
Instrument :
MSVOA_U
ClientSampleId :
BFSF4

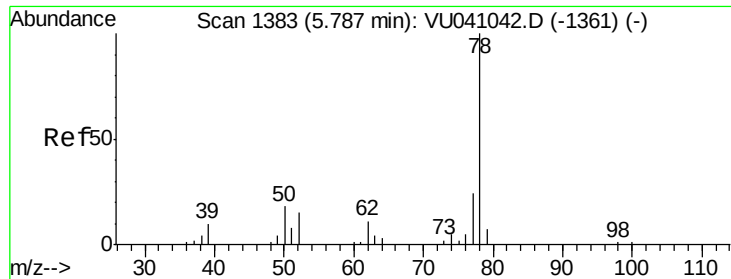
Tot Ion: 83 Resp: 744
Ion Ratio Lower Upper
83 100
85 68.3 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.068 ug/L
RT: 5.74 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041049.D
Acq: 02 Nov 2020 14:37

Tgt Ion: 62 Resp: 355
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#33

Benzene

Concen: 0.031 ug/L

RT: 5.74 min Scan# 1370

Delta R.T. -0.04 min

Lab File: VU041049.D

Acq: 02 Nov 2020 14:37

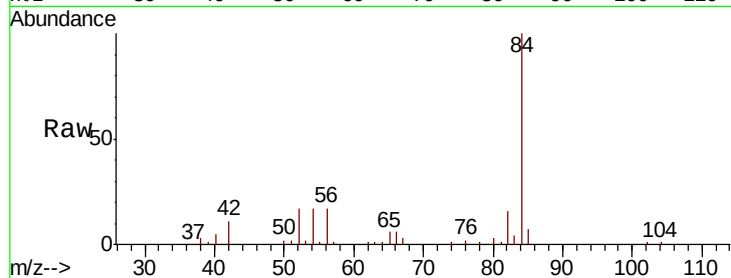
Instrument :

MSVOA_U

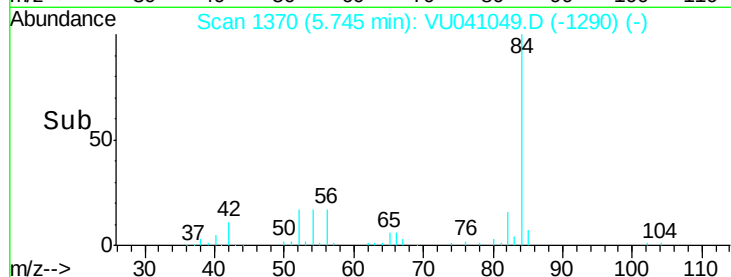
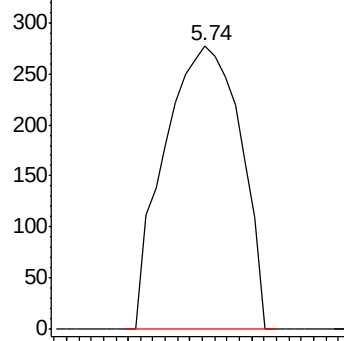
ClientSampleId :

BFSF4

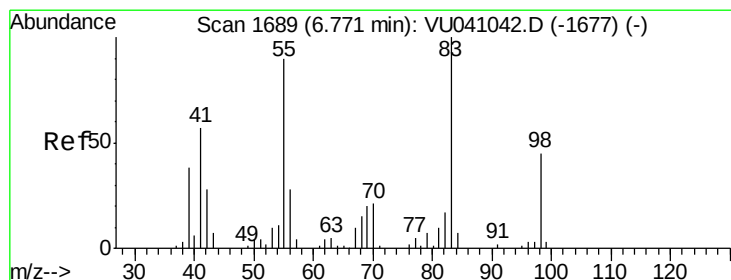
Tgt Ion: 78 Resp: 473



Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->



#35

Methylcyclohexane

Concen: 0.937 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041049.D

Acq: 02 Nov 2020 14:37

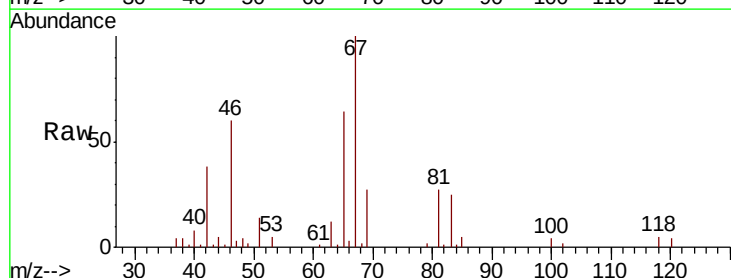
Tgt Ion: 83 Resp: 5436

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

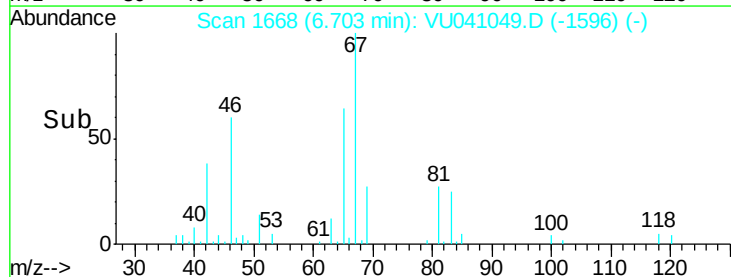
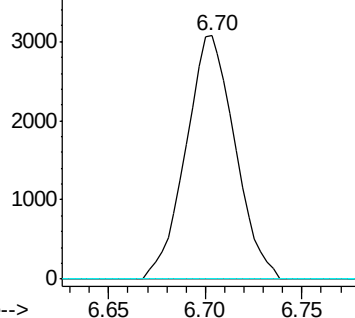
98 0.0 36.6 55.0#

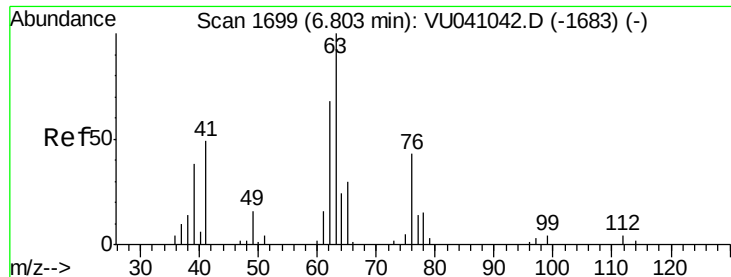


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

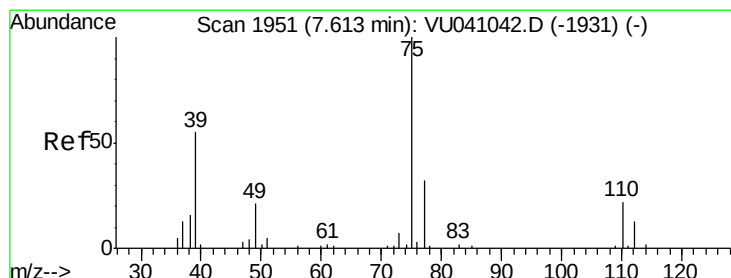
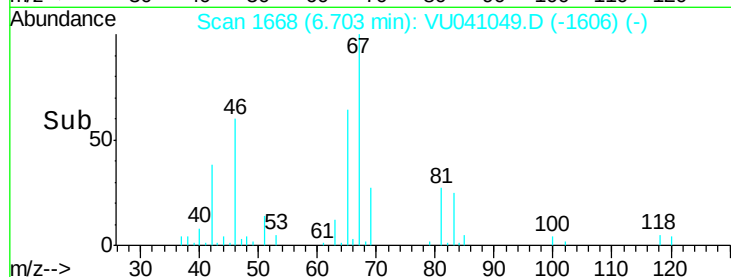
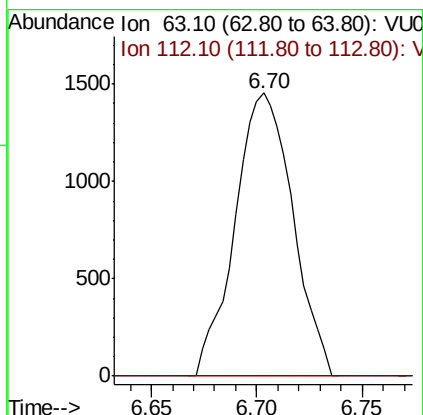
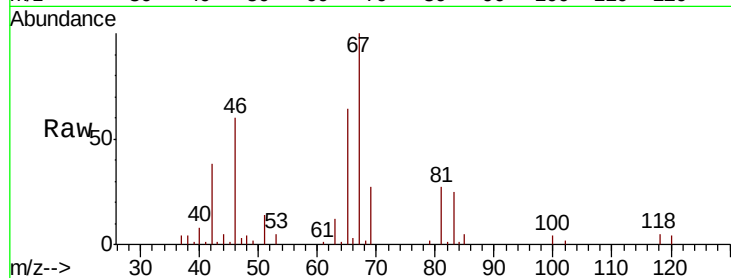




#37
 1,2-Dichloropropane
 Concen: 0.668 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041049.D
 Acq: 02 Nov 2020 14:37

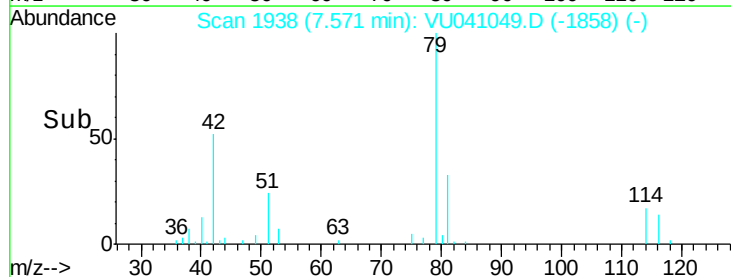
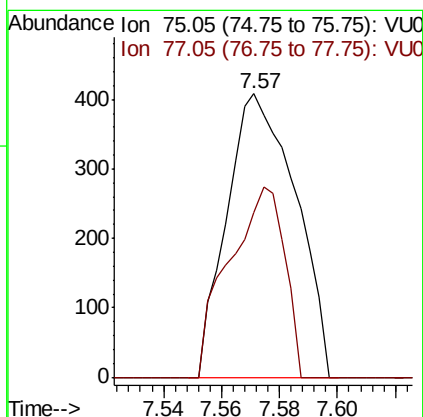
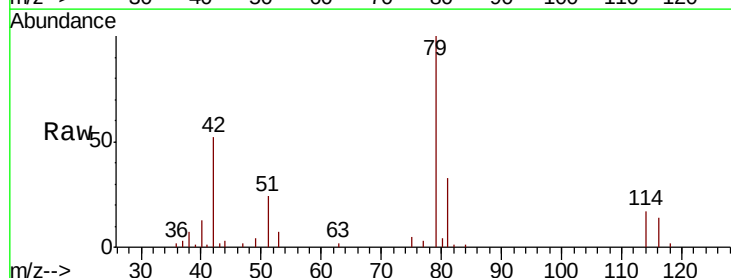
Instrument :
 MSVOA_U
 ClientSampleId :
 BFSF4

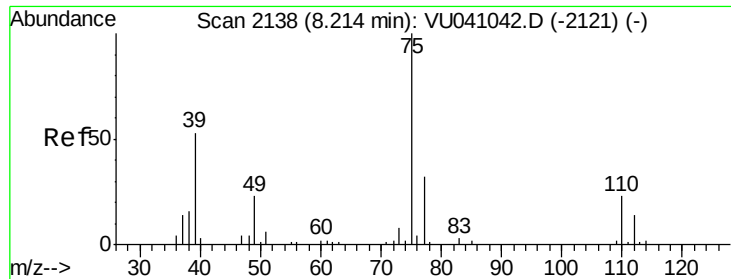
Tot Ion: 63 Resp: 2764
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.118 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041049.D
 Acq: 02 Nov 2020 14:37

Tgt Ion: 75 Resp: 671
 Ion Ratio Lower Upper
 75 100
 77 58.1 22.7 42.3#





#44

trans-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041049.D

Acq: 02 Nov 2020 14:37

Instrument :

MSVOA_U

ClientSampled :

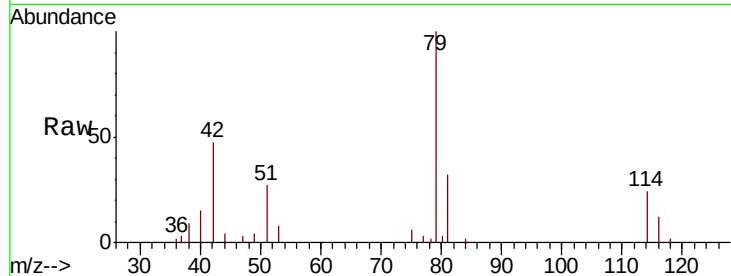
BFSF4

Tot Ion: 75 Resp: 517

Ion Ratio Lower Upper

75 100

77 49.7 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041049.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU041049.D (-2121) (-)

8.18

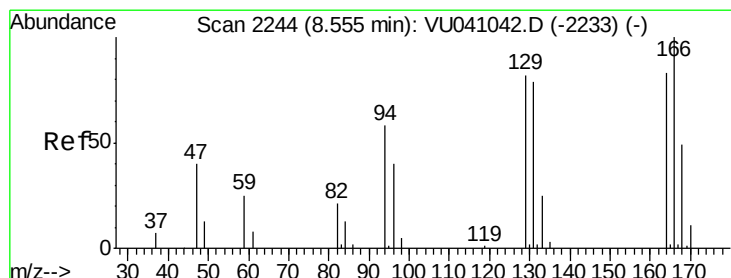
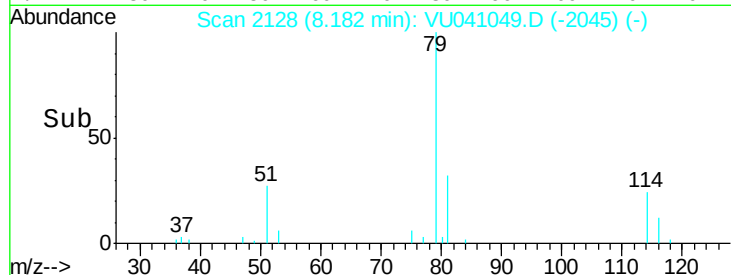
300

200

100

0

Time-->



#47

Tetrachloroethene

Concen: 0.328 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041049.D

Acq: 02 Nov 2020 14:37

Tgt Ion: 164 Resp: 939

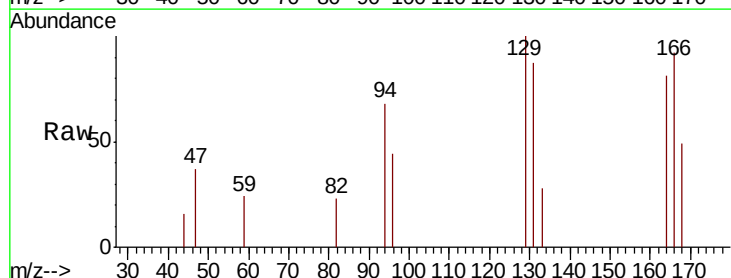
Ion Ratio Lower Upper

164 100

129 123.0 70.3 130.7

131 107.4 70.8 131.4

166 113.4 92.0 170.8



Abundance Ion 163.90 (163.60 to 164.60): VU041049.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU041049.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU041049.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU041049.D (-2151) (-)

1200

1000

800

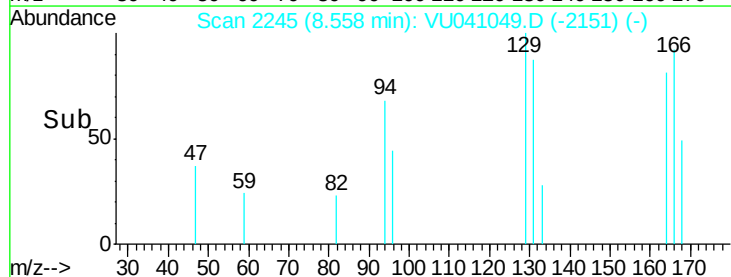
600

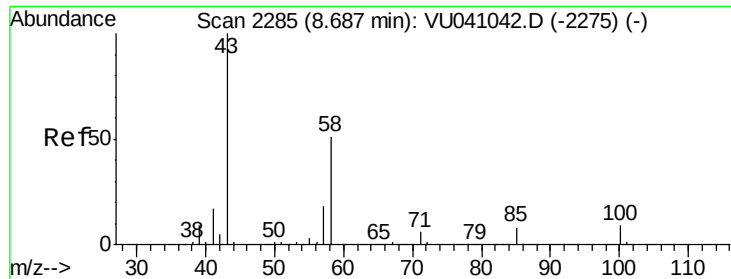
400

200

0

Time-->

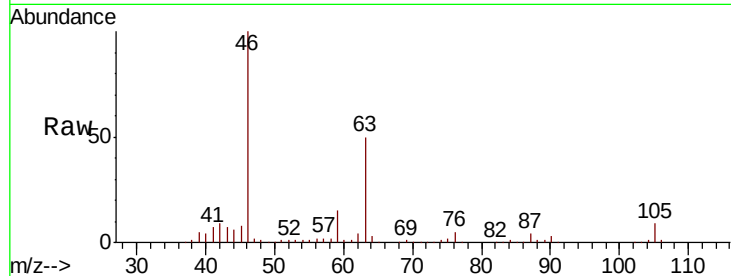




#48
2-Hexanone
Concen: 4.078 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041049.D
Acq: 02 Nov 2020 14:37

Instrument :
MSVOA_U
ClientSampleId :
BFSF4

Tot Ion	Ratio	Lower	Upper
43	100		
58	25.3	41.4	62.2#
57	25.9	14.6	21.8#
100	0.0	8.3	12.5#

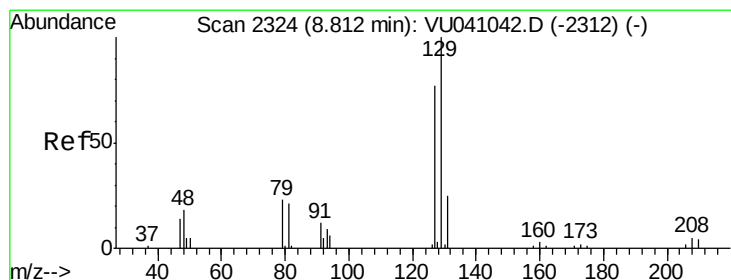
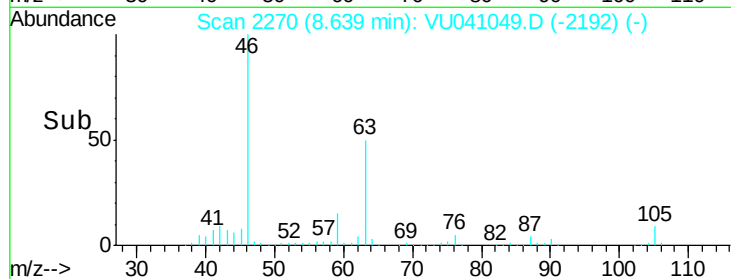
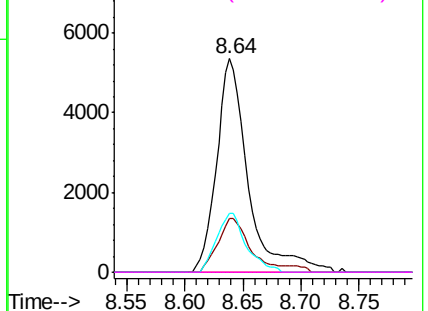


Abundance Ion 43.05 (42.75 to 43.75): VU041049.D (-2275) (-)

Ion 58.05 (57.75 to 58.75): VU041049.D (-2275) (-)

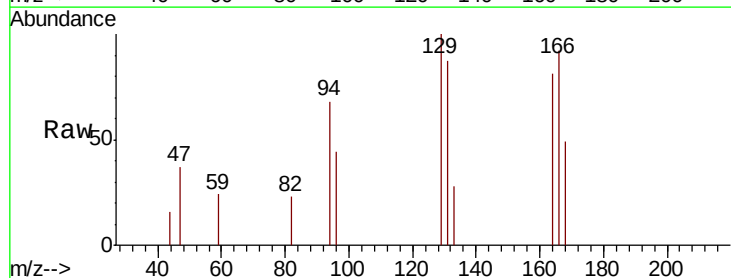
Ion 57.20 (56.90 to 57.90): VU041049.D (-2275) (-)

Ion 100.15 (99.85 to 100.85): VU041049.D (-2275) (-)



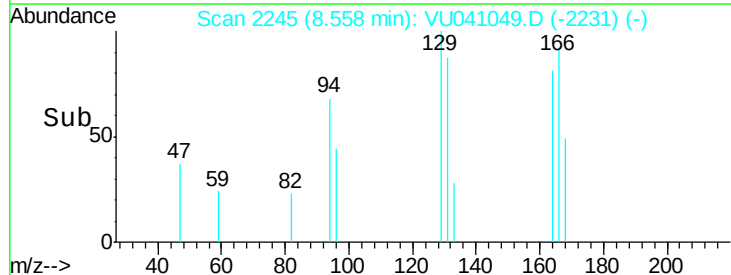
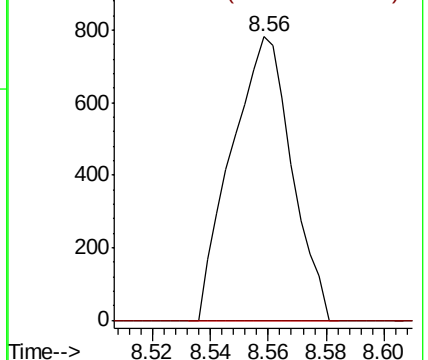
#49
Dibromochloromethane
Concen: 0.315 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041049.D
Acq: 02 Nov 2020 14:37

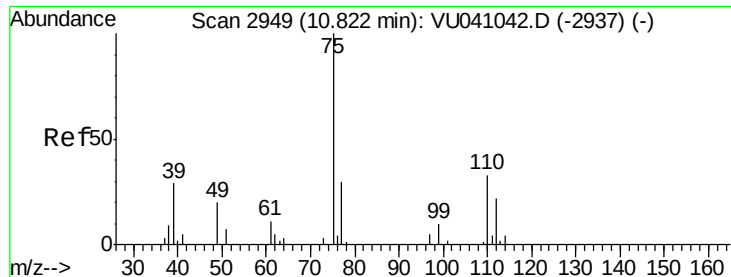
Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.4	99.2#



Abundance Ion 128.95 (128.65 to 129.65): VU041049.D (-2231) (-)

Ion 126.90 (126.60 to 127.60): VU041049.D (-2231) (-)





#59

1,2,3-Trichloropropane

Concen: 0.966 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041049.D

Acq: 02 Nov 2020 14:37

Instrument :

MSVOA_U

ClientSampleId :

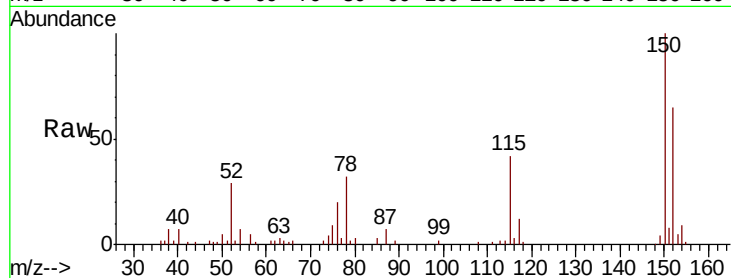
BFSF4

Tot Ion: 75 Resp: 2978

Ion Ratio Lower Upper

75 100

77 41.3 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

