

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110220\
 Data File : VU041059.D
 Acq On : 02 Nov 2020 18:51
 Operator : SY/MD
 Sample : L4584-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSF1

Quant Time: Nov 03 00:50:10 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	52101	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	53654	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	22442	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	20688	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.92	69	15750	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.58	63	29768	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	4.66	46	82960	57.55	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.10%
24) Chloroform-d	5.08	84	37760	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.72	65	24758	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.74	84	69520	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.70	67	24409	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.91	98	56486	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	8.19	79	10005	4.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.80%
46) 2-Hexanone-d5	8.64	63	57361	52.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.22%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22554	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	22043	5.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	2325	0.469	ug/L	97
13) Acetone	2.66	43	1651	1.675	ug/L #	1
15) Methyl Acetate	2.95	43	234	0.104	ug/L #	53
25) Chloroform	5.10	83	603	0.080	ug/L	89
27) 1,2-Dichloroethane	5.75	62	380	0.068	ug/L #	74
33) Benzene	5.75	78	544	0.034	ug/L	100
35) Methylcyclohexane	6.70	83	5181	0.851	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2700	0.622	ug/L #	86
39) cis-1,3-Dichloropropene	7.58	75	704	0.118	ug/L	85
40) 4-Methyl-2-pentanone	7.72	43	1605	0.464	ug/L #	45
44) trans-1,3-Dichloropropene	8.19	75	440	0.079	ug/L #	48
47) Tetrachloroethene	8.56	164	6376	2.125	ug/L	96
48) 2-Hexanone	8.64	43	8680	3.333	ug/L #	70
49) Dibromochloromethane	8.56	129	6586	1.756	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3059	0.946	ug/L #	84

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BFSF1

Quant Time: Nov 03 00:50:10 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

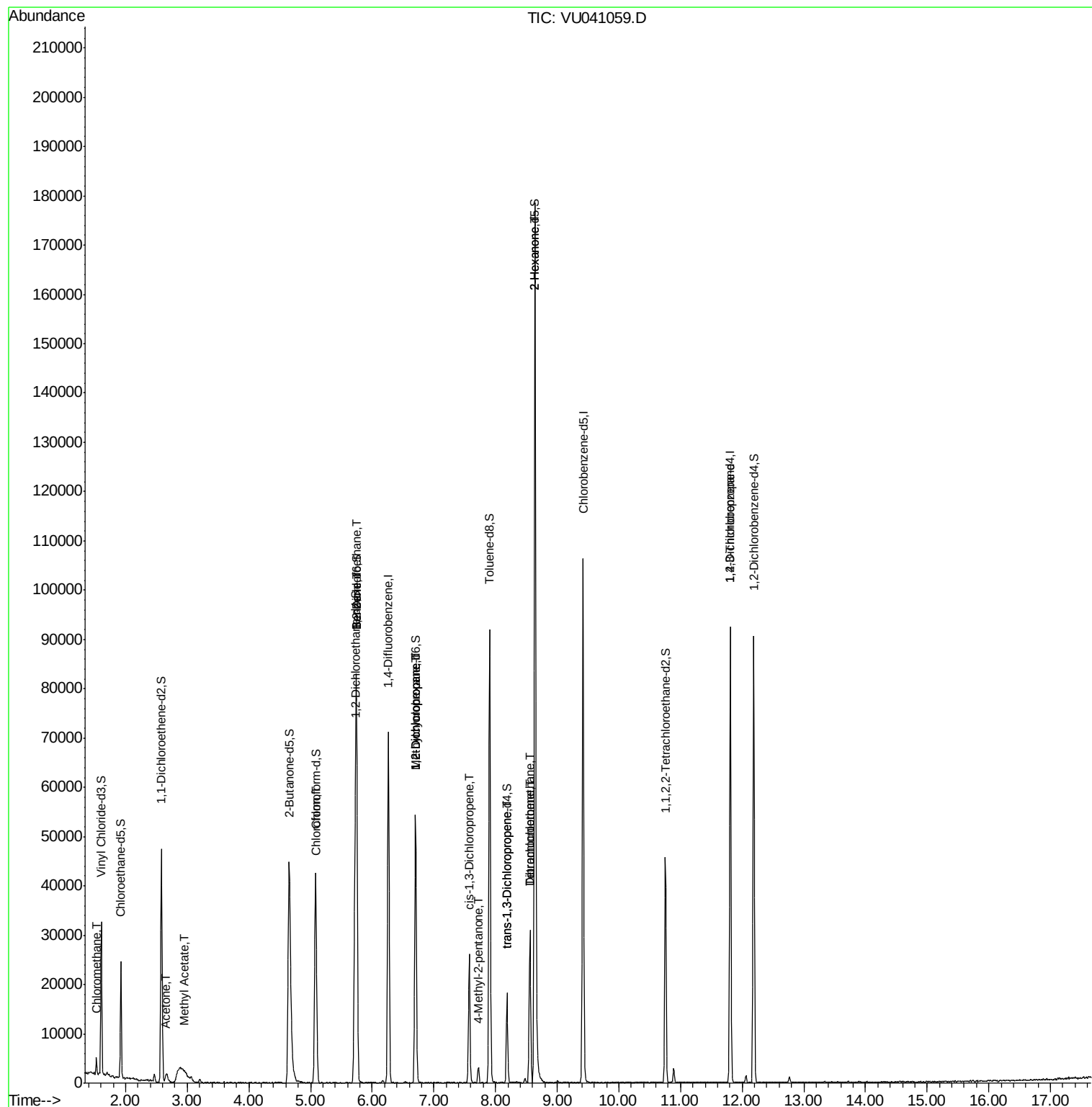
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

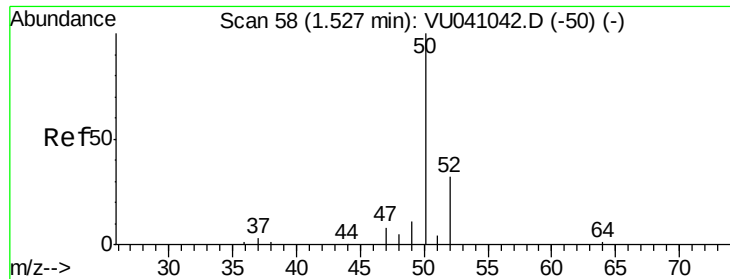
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110220\
Data File : VU041059.D
Acq On : 02 Nov 2020 18:51
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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.469 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041059.D

Acq: 02 Nov 2020 18:51

Instrument :

MSVOA_U

ClientSampleId :

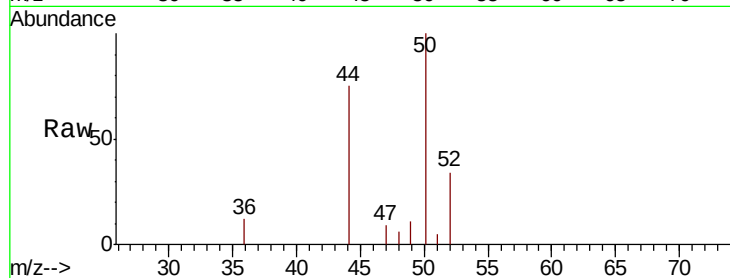
BFSF1

Tot Ion: 50 Resp: 2325

Ion Ratio Lower Upper

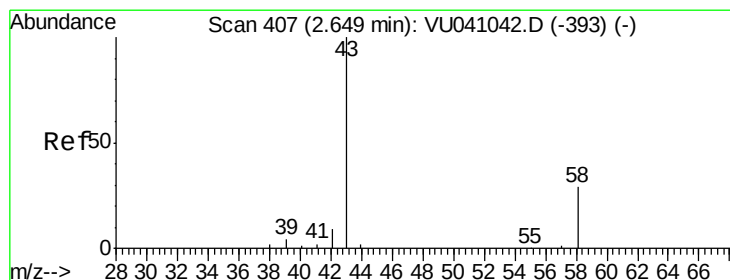
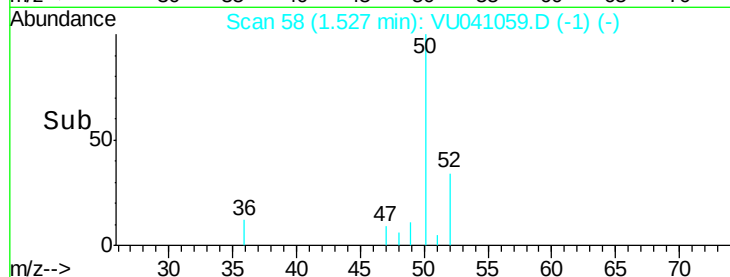
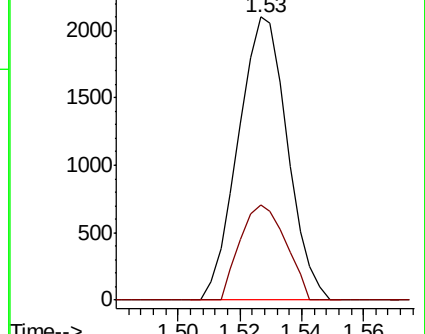
50 100

52 33.8 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#13

Acetone

Concen: 1.675 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.01 min

Lab File: VU041059.D

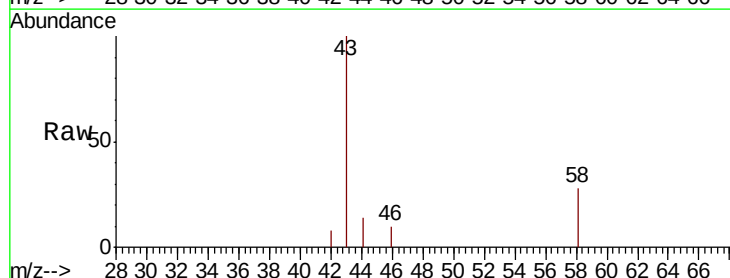
Acq: 02 Nov 2020 18:51

Tgt Ion: 43 Resp: 1651

Ion Ratio Lower Upper

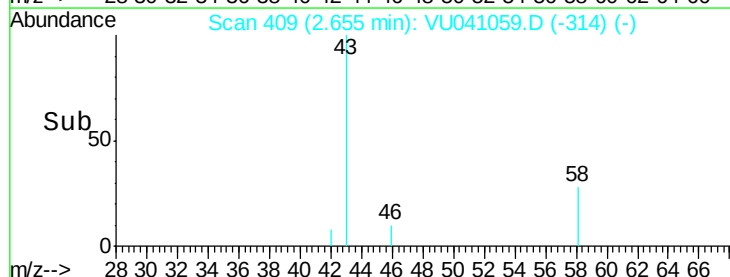
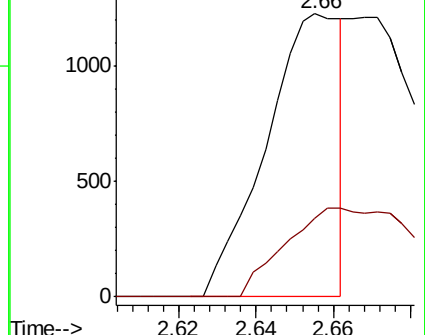
43 100

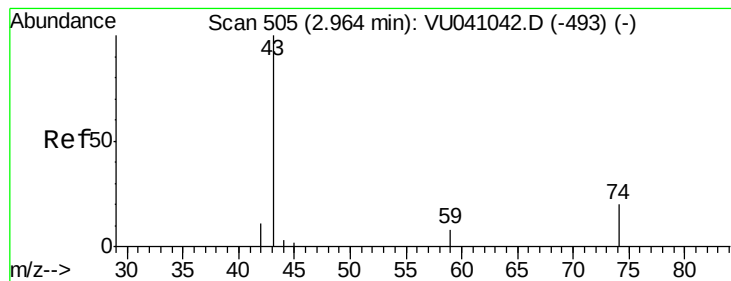
58 63.3 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#15

Methvl Acetate

Concen: 0.104 ug/L

RT: 2.95 min Scan# 502

Delta R.T. -0.01 min

Lab File: VU041059.D

Acq: 02 Nov 2020 18:51

Instrument :

MSVOA_U

ClientSampleId :

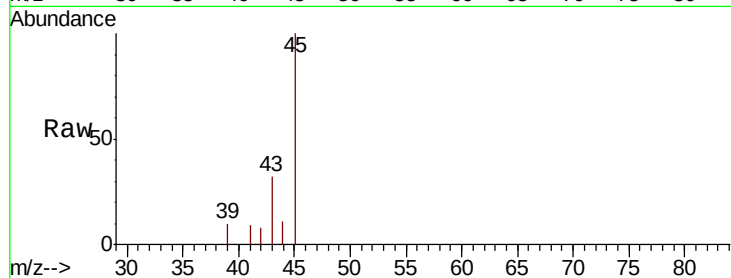
BFSF1

Tot Ion: 43 Resp: 234

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#

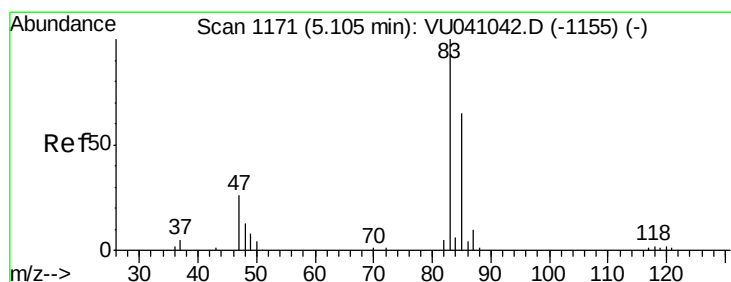
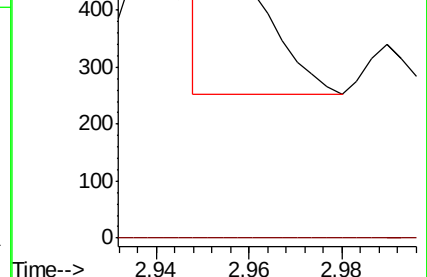
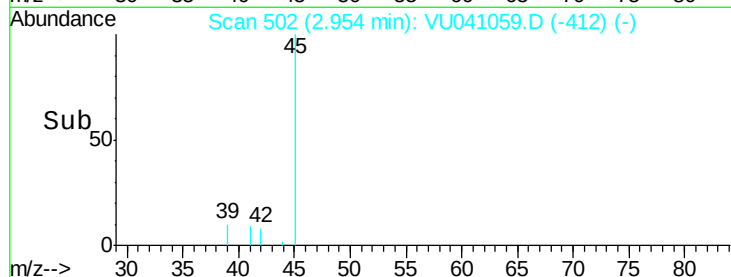


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.95

Time-->



#25

Chloroform

Concen: 0.080 ug/L

RT: 5.10 min Scan# 1169

Delta R.T. -0.01 min

Lab File: VU041059.D

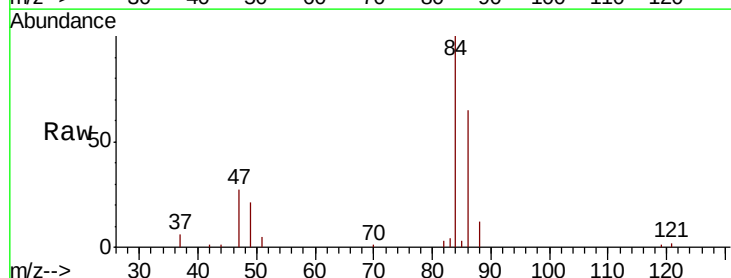
Acq: 02 Nov 2020 18:51

Tgt Ion: 83 Resp: 603

Ion Ratio Lower Upper

83 100

85 74.9 46.1 85.7

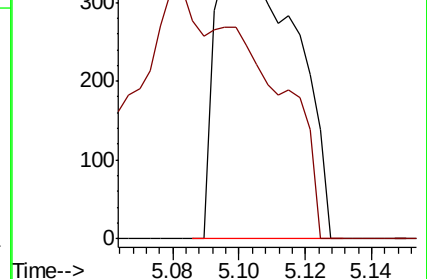
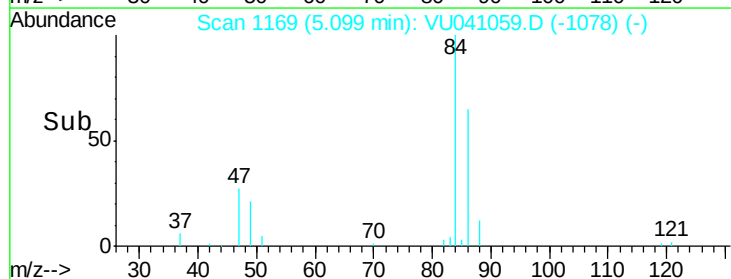


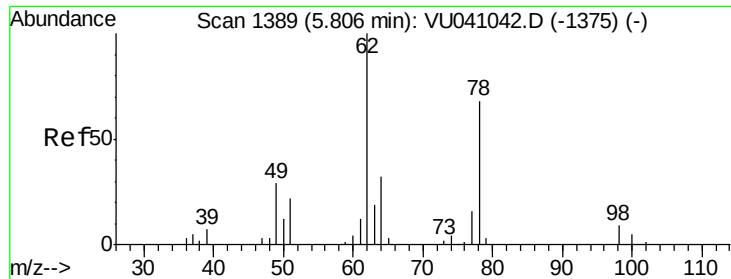
Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

5.10

Time-->

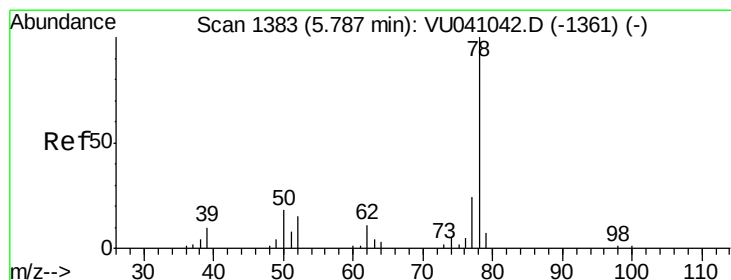
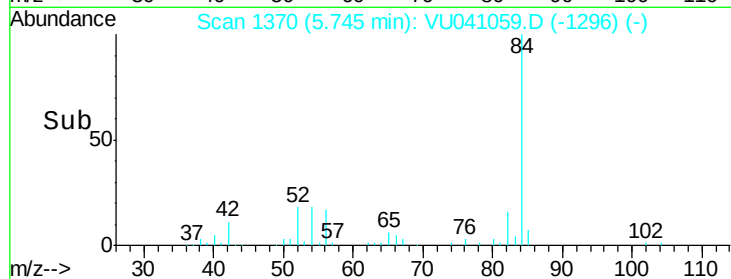
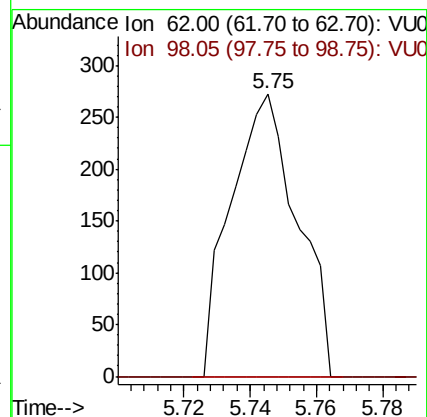
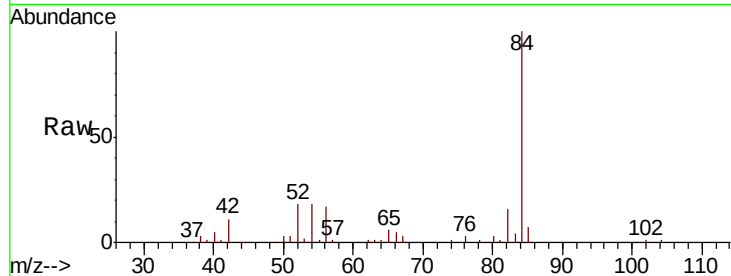




#27
 1,2-Dichloroethane
 Concen: 0.068 ug/L
 RT: 5.75 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU041059.D
 Acq: 02 Nov 2020 18:51

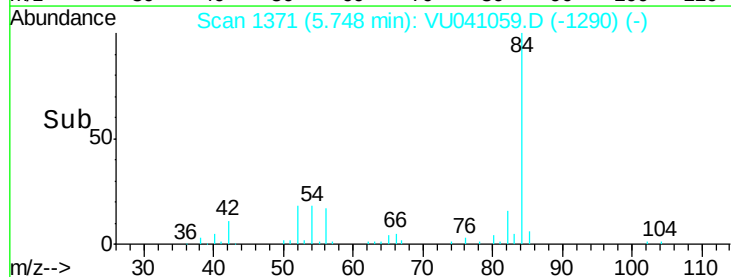
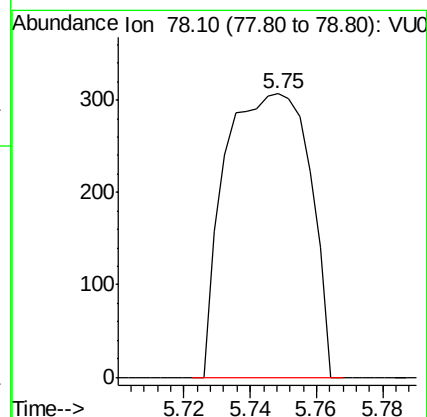
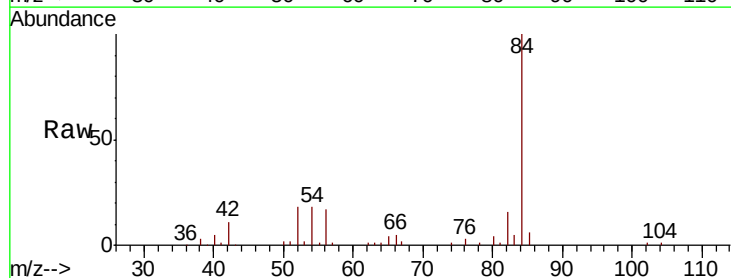
Instrument :
 MSVOA_U
 ClientSampled :
 BFSF1

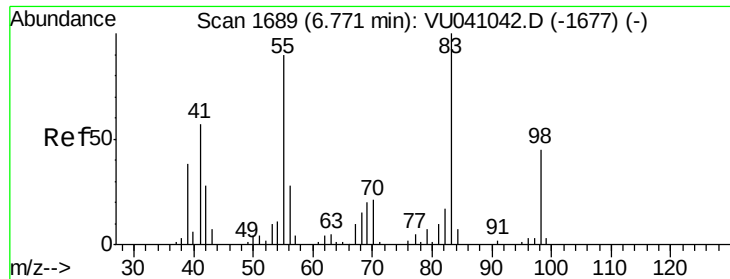
Tot Ion: 62 Resp: 380
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 0.034 ug/L
 RT: 5.75 min Scan# 1371
 Delta R.T. -0.04 min
 Lab File: VU041059.D
 Acq: 02 Nov 2020 18:51

Tgt Ion: 78 Resp: 544

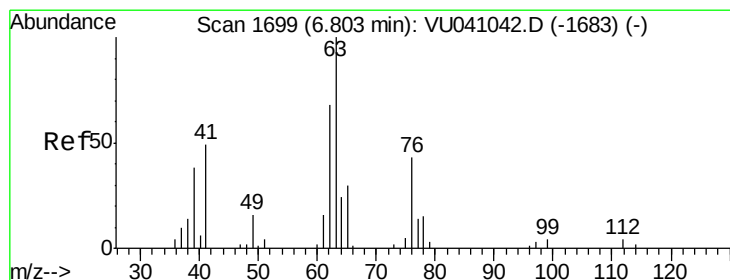
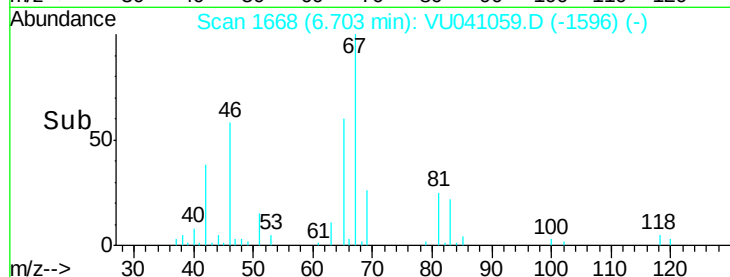
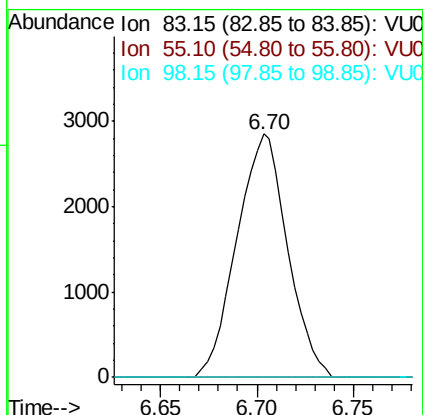
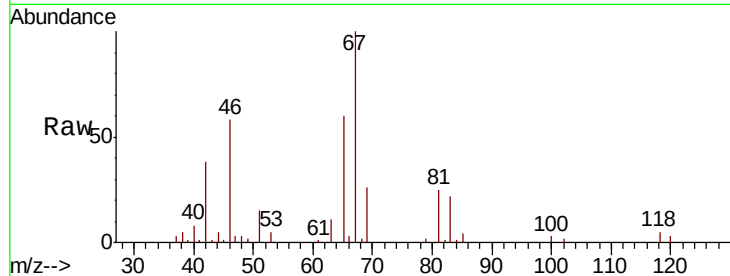




#35
Methylvlcyclohexane
Concen: 0.851 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041059.D
Acq: 02 Nov 2020 18:51

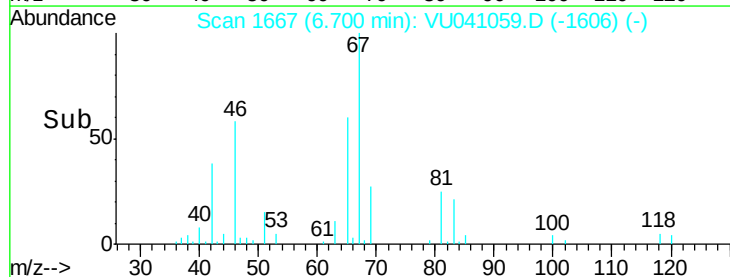
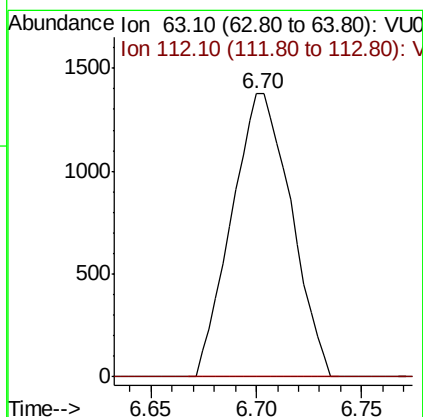
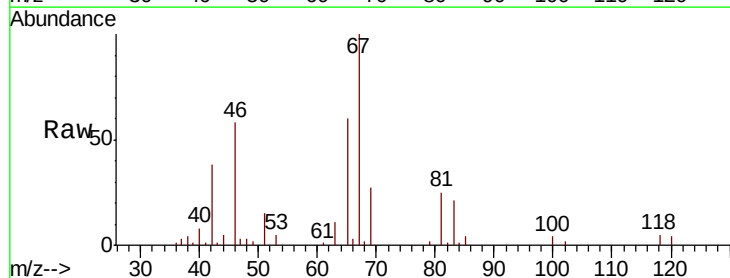
Instrument :
MSVOA_U
ClientSampleId :
BFSF1

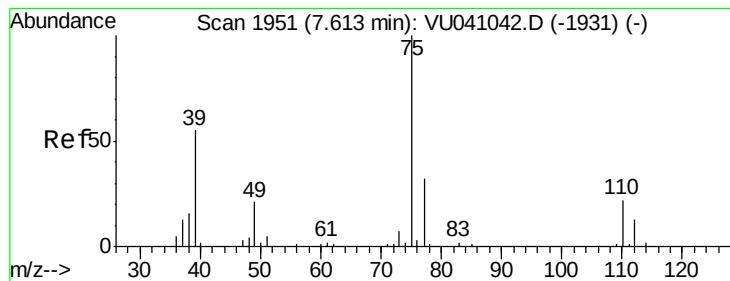
Tot Ion: 83 Resp: 5181
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#



#37
1,2-Dichloropropane
Concen: 0.622 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041059.D
Acq: 02 Nov 2020 18:51

Tgt Ion: 63 Resp: 2700
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#





#39

cis-1,3-Dichloropropene

Concen: 0.118 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU041059.D

Acq: 02 Nov 2020 18:51

Instrument :

MSVOA_U

ClientSampleId :

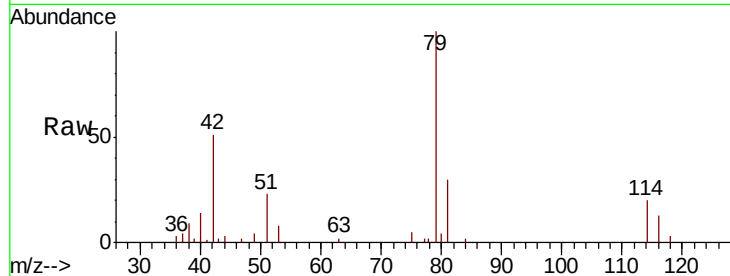
BFSF1

Tot Ion: 75 Resp: 704

Ion Ratio Lower Upper

75 100

77 40.7 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU041042.D (-1931) (-)

Ion 77.05 (76.75 to 77.75): VU041042.D (-1931) (-)

7.58

400

300

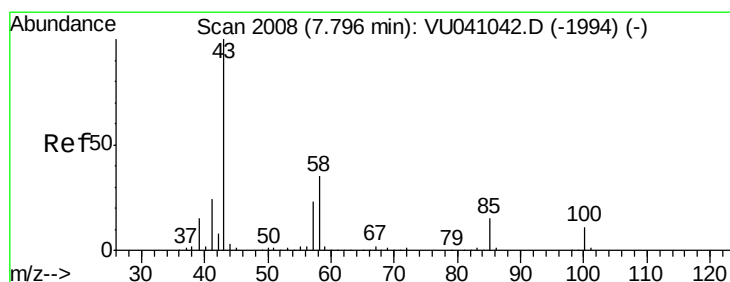
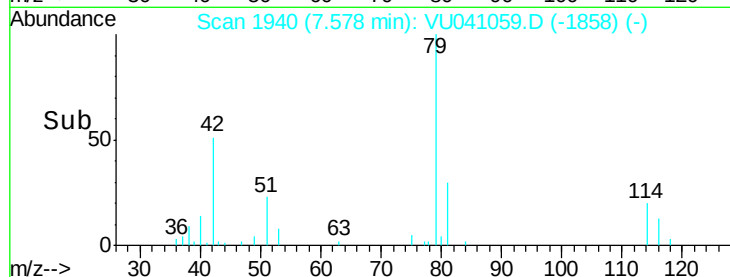
200

100

0

7.54 7.56 7.58 7.60

Time-->



#40

4-Methyl-2-pentanone

Concen: 0.464 ug/L

RT: 7.72 min Scan# 1985

Delta R.T. -0.07 min

Lab File: VU041059.D

Acq: 02 Nov 2020 18:51

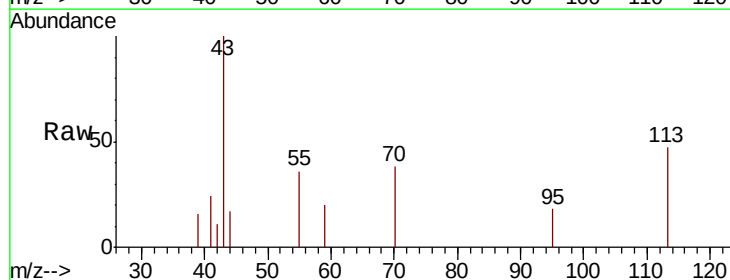
Tgt Ion: 43 Resp: 1605

Ion Ratio Lower Upper

43 100

58 0.0 29.8 44.6#

100 0.0 10.5 15.7#



Abundance Ion 43.05 (42.75 to 43.75): VU041042.D (-1994) (-)

Ion 58.05 (57.75 to 58.75): VU041042.D (-1994) (-)

Ion 100.15 (99.85 to 100.85): VU041042.D (-1994) (-)

7.72

1200

1000

800

600

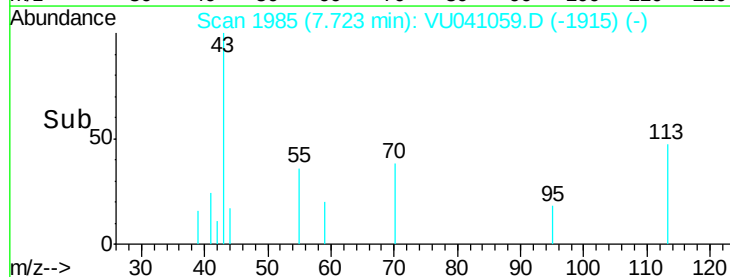
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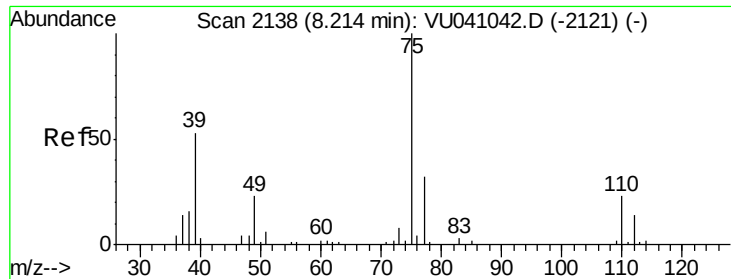
200

0

7.70 7.75

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 8.19 min Scan# 2131

Delta R.T. -0.02 min

Lab File: VU041059.D

Acq: 02 Nov 2020 18:51

Instrument :

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ClientSampleId :

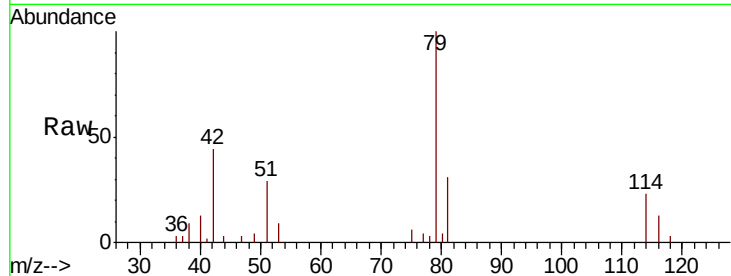
BFSF1

Tot Ion: 75 Resp: 440

Ion Ratio Lower Upper

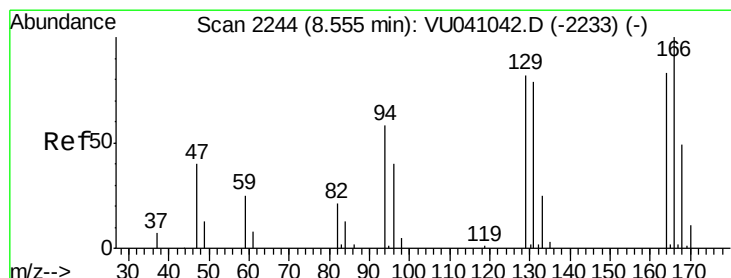
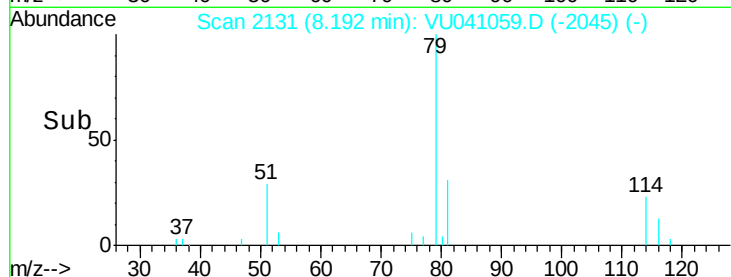
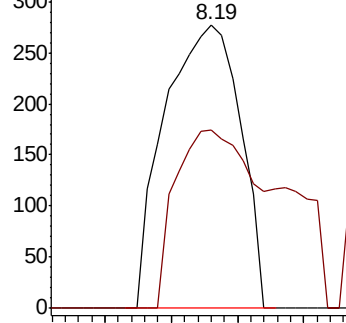
75 100

77 62.6 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 2.125 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041059.D

Acq: 02 Nov 2020 18:51

Tgt Ion:164 Resp: 6376

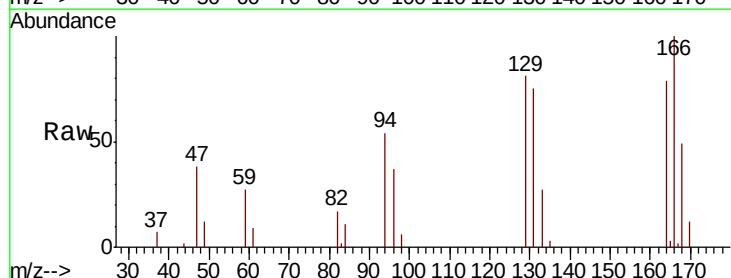
Ion Ratio Lower Upper

164 100

129 102.6 70.3 130.7

131 95.0 70.8 131.4

166 126.3 92.0 170.8

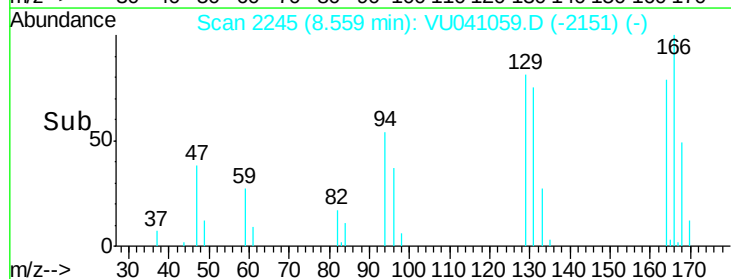
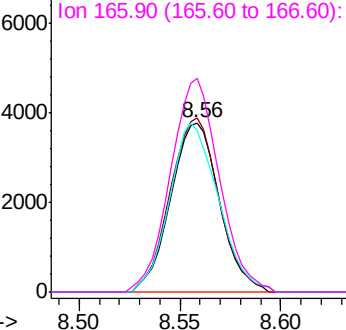


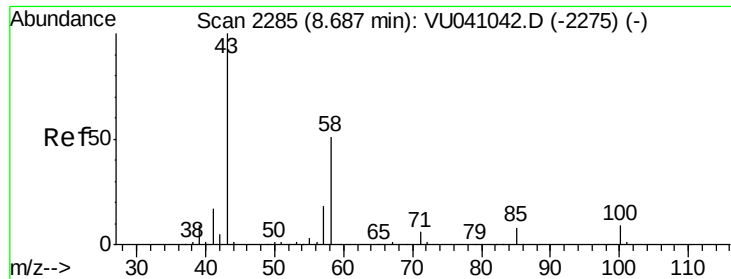
Abundance Ion 163.90 (163.60 to 164.60): V

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

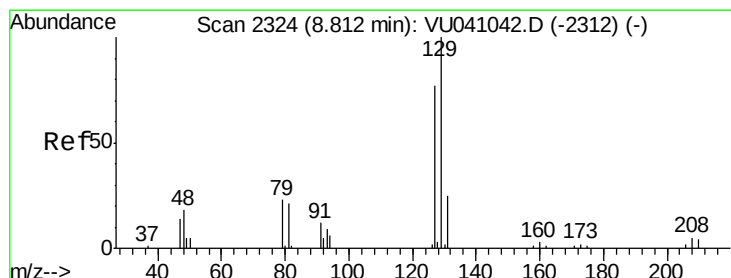
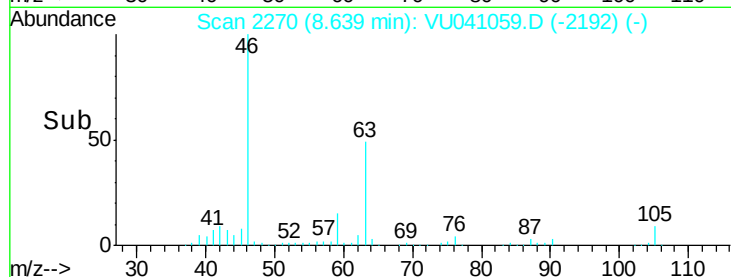
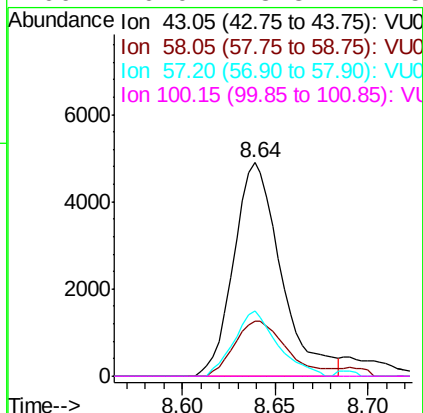
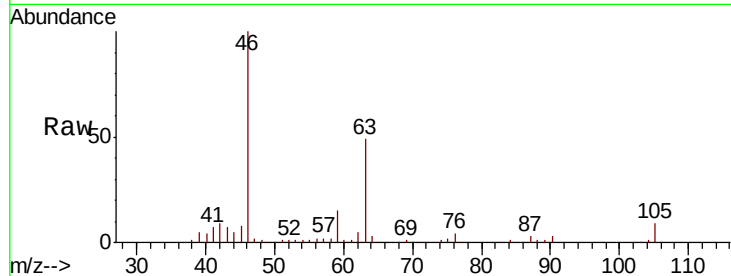




#48
2-Hexanone
Concen: 3.333 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041059.D
Acq: 02 Nov 2020 18:51

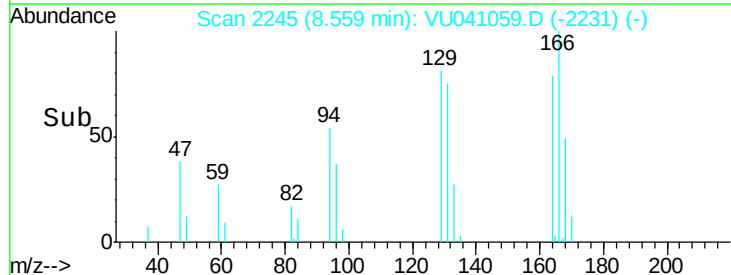
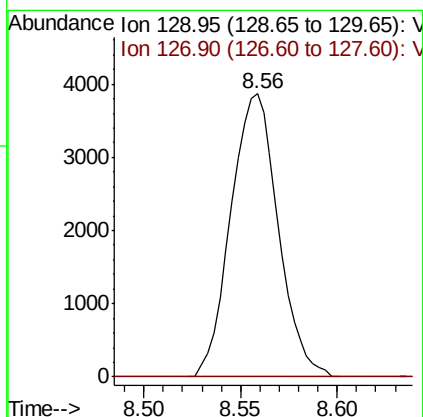
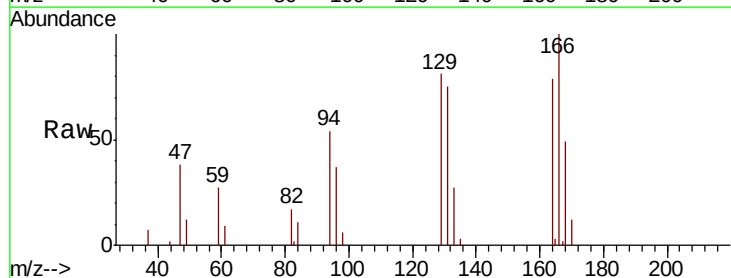
Instrument :
MSVOA_U
ClientSampleId :
BFSF1

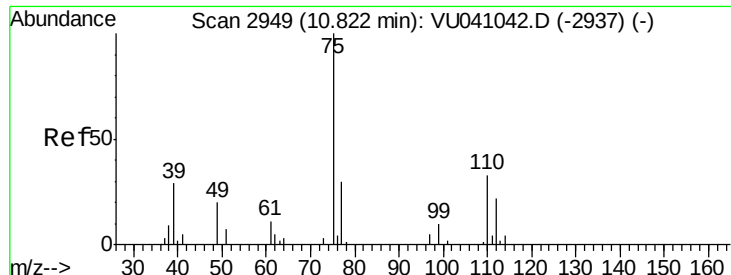
Tot Ion: 43 Resp: 8680
Ion Ratio Lower Upper
43 100
58 28.8 41.4 62.2#
57 28.1 14.6 21.8#
100 0.0 8.3 12.5#



#49
Dibromochloromethane
Concen: 1.756 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041059.D
Acq: 02 Nov 2020 18:51

Tgt Ion: 129 Resp: 6586
Ion Ratio Lower Upper
129 100
127 0.0 53.4 99.2#





#59

1,2,3-Trichloropropane

Concen: 0.946 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041059.D

Acq: 02 Nov 2020 18:51

Instrument :

MSVOA_U

ClientSampleId :

BFSF1

Tot Ion: 75 Resp: 3059

Ion Ratio Lower Upper

75 100

77 40.9 25.7 38.5#

