

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110320\
 Data File : VU041073.D
 Acq On : 03 Nov 2020 13:04
 Operator : SY/MD
 Sample : L4614-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSE6

Quant Time: Nov 04 00:59:35 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	55894	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	58029	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	24486	5.00	ug/L	0.00

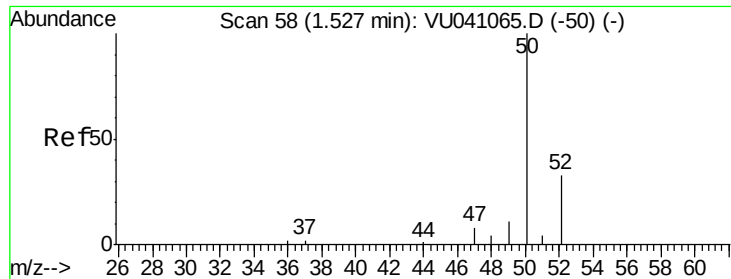
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	18528	3.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.80%
7) Chloroethane-d5	1.92	69	14934	4.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.80%
11) 1,1-Dichloroethene-d2	2.58	63	27388	2.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.40%#
20) 2-Butanone-d5	4.65	46	80814	52.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.52%
24) Chloroform-d	5.08	84	36297	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.72	65	23158	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	5.74	84	65053	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
36) 1,2-Dichloropropane-d6	6.70	67	22813	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.91	98	53183	3.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.60%
43) trans-1,3-Dichloropropene-	8.19	79	9146	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	8.64	63	56010	47.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.00%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	21278	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	20402	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	7795	1.465	ug/L	98
8) Chloroethane	1.95	64	368	0.111	ug/L #	43
13) Acetone	2.66	43	4153	3.928	ug/L #	65
25) Chloroform	5.11	83	494	0.061	ug/L	95
27) 1,2-Dichloroethane	5.74	62	403	0.067	ug/L #	74
35) Methylcyclohexane	6.70	83	5081	0.772	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2601	0.554	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	547	0.085	ug/L #	50
44) trans-1,3-Dichloropropene	8.18	75	413	0.068	ug/L	86
47) Tetrachloroethene	8.56	164	352	0.108	ug/L	94
49) Dibromochloromethane	8.56	129	317	0.078	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3674	1.051	ug/L	93

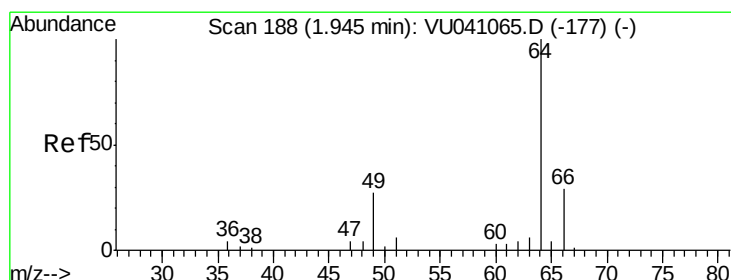
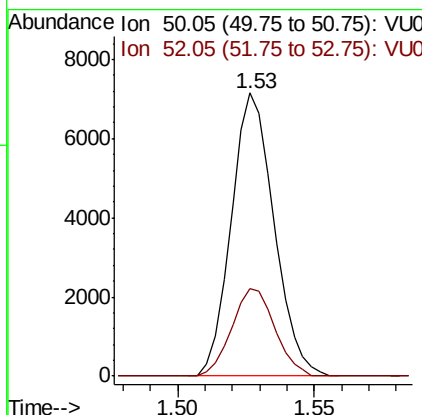
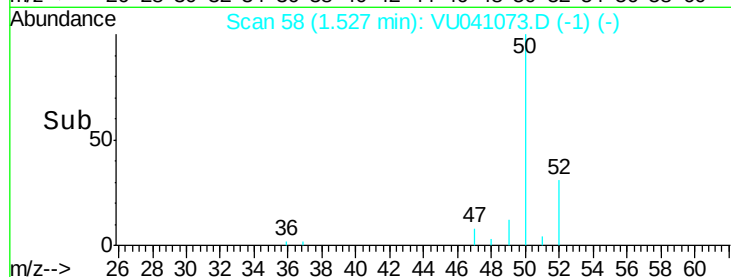
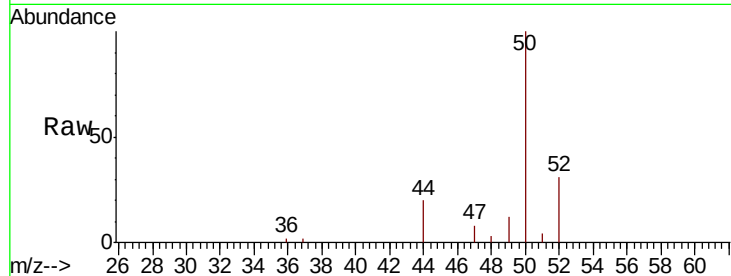
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
 Chloromethane
 Concen: 1.465 ug/L
 RT: 1.53 min Scan# 58
 Delta R.T. -0.00 min
 Lab File: VU041073.D
 Acq: 03 Nov 2020 13:04

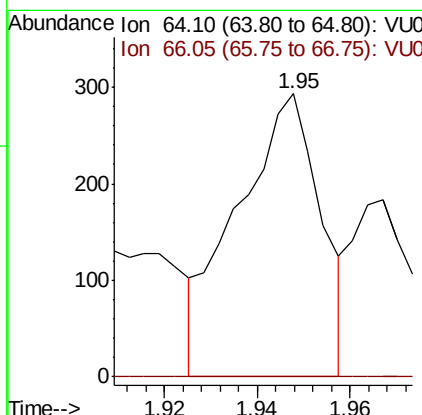
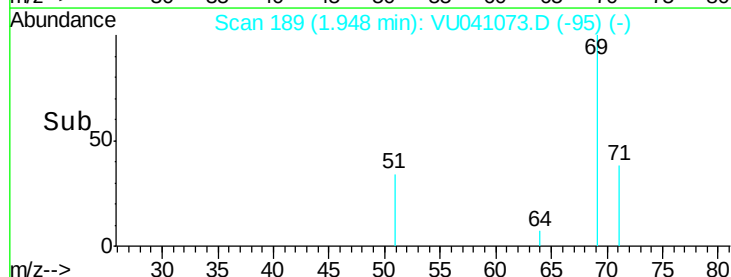
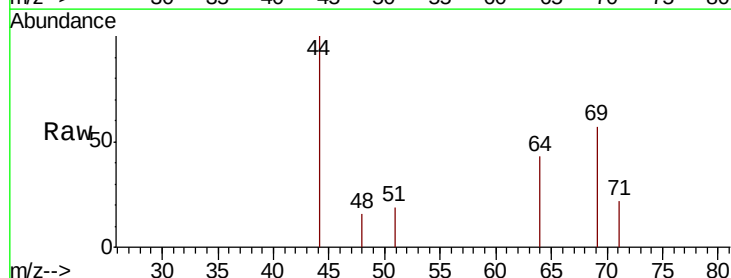
Instrument :
 MSVOA_U
 ClientSampleId :
 BFSE6

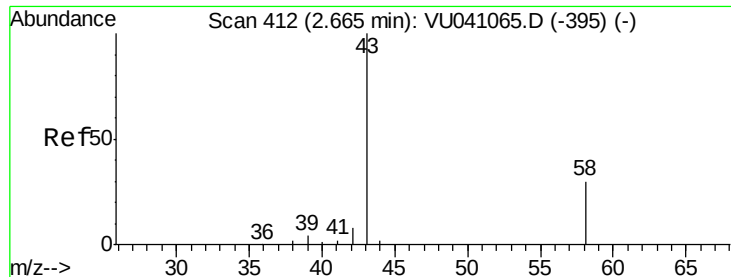
Tot Ion: 50 Resp: 7795
 Ion Ratio Lower Upper
 50 100
 52 31.0 22.4 41.6



#8
 Chloroethane
 Concen: 0.111 ug/L
 RT: 1.95 min Scan# 189
 Delta R.T. 0.00 min
 Lab File: VU041073.D
 Acq: 03 Nov 2020 13:04

Tgt Ion: 64 Resp: 368
 Ion Ratio Lower Upper
 64 100
 66 0.0 22.3 41.5#





#13

Acetone

Concen: 3.928 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU041073.D

Acq: 03 Nov 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

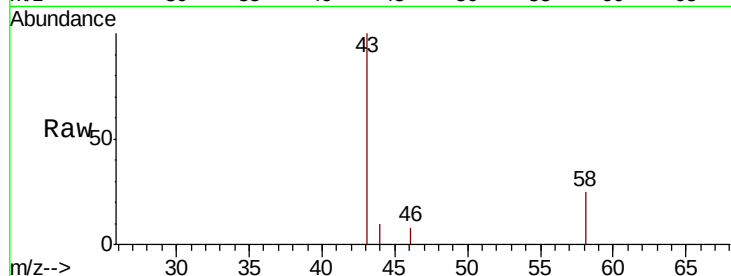
BFSE6

Tot Ion: 43 Resp: 4153

Ion Ratio Lower Upper

43 100

58 26.5 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041065.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041065.D (-395) (-)

2.66

1500

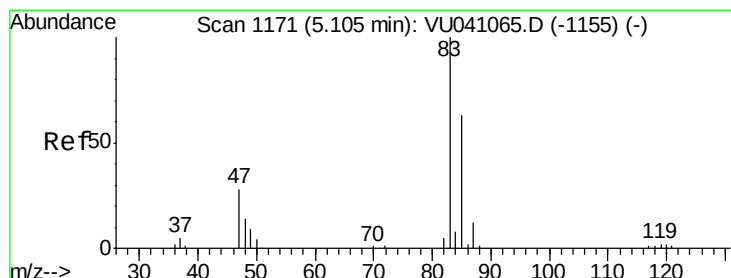
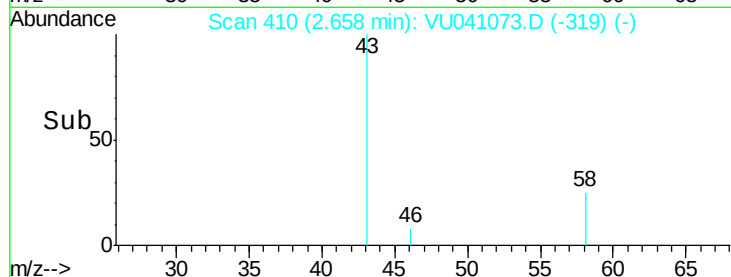
1000

500

0

2.60 2.65 2.70 2.75

Time-->



#25

Chloroform

Concen: 0.061 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU041073.D

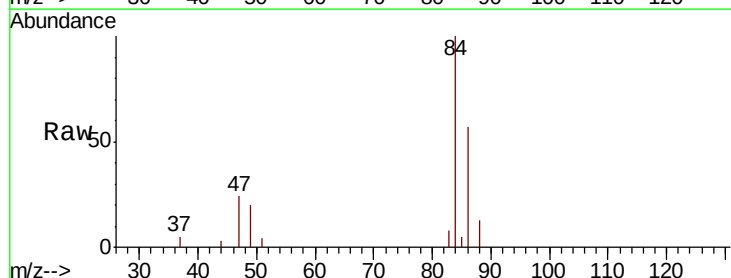
Acq: 03 Nov 2020 13:04

Tgt Ion: 83 Resp: 494

Ion Ratio Lower Upper

83 100

85 61.8 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU041065.D (-1155) (-)

Ion 85.00 (84.70 to 85.70): VU041065.D (-1155) (-)

5.11

300

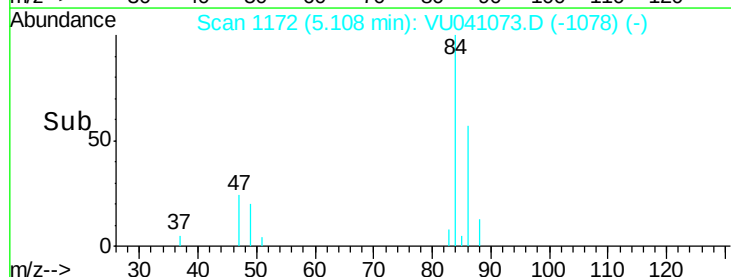
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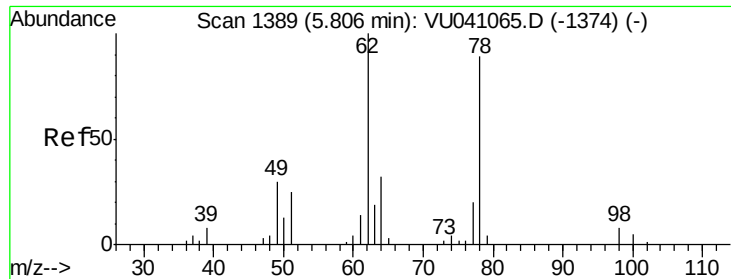
100

0

5.08 5.10 5.12 5.14

Time-->

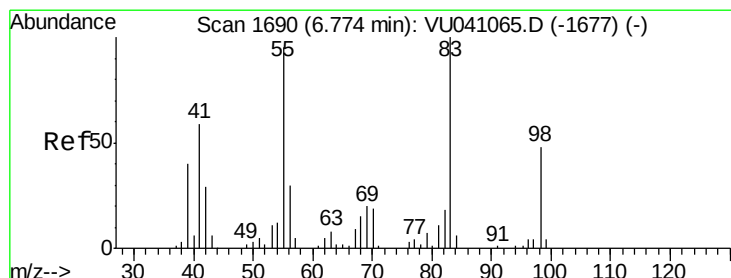
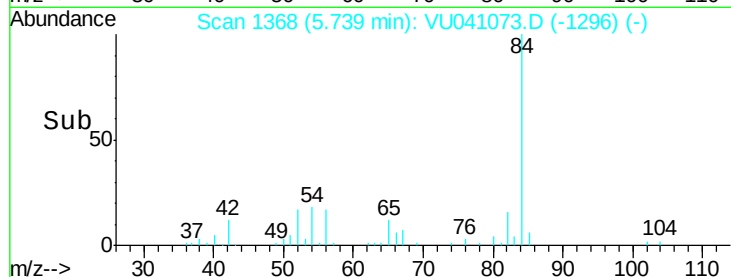
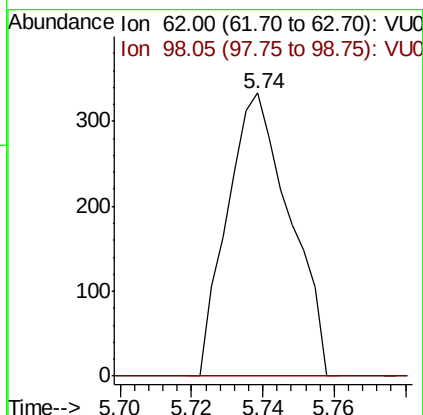
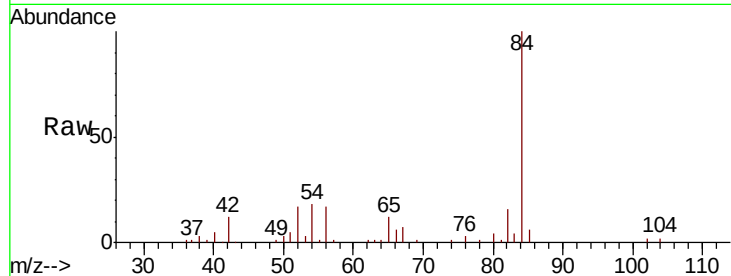




#27
 1,2-Dichloroethane
 Concen: 0.067 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.07 min
 Lab File: VU041073.D
 Acq: 03 Nov 2020 13:04

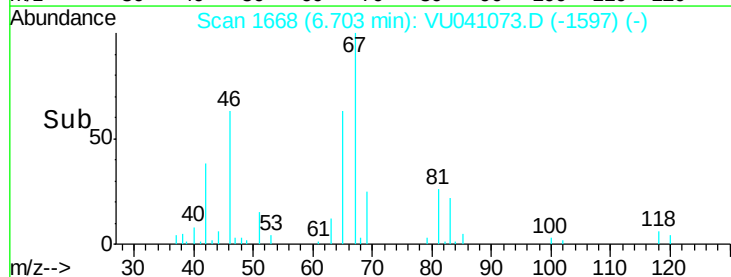
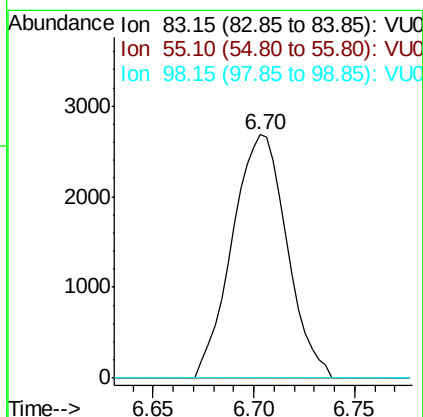
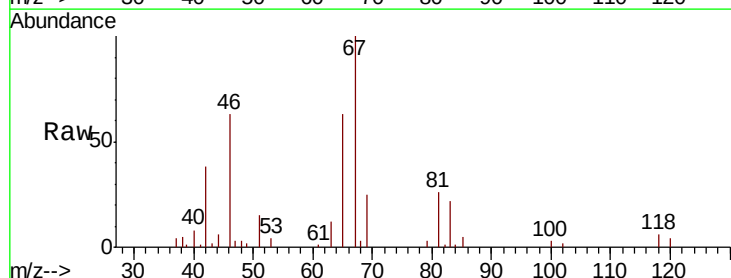
Instrument :
 MSVOA_U
 ClientSampleId :
 BFSE6

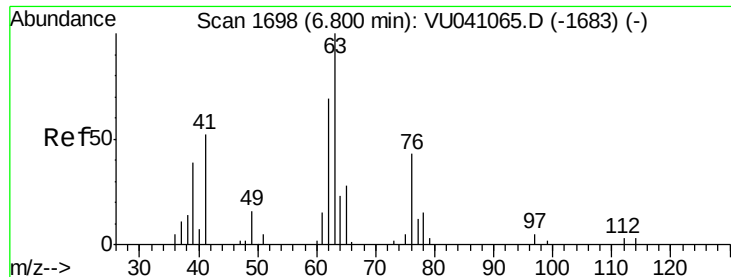
Tot Ion: 62.00 Resp: 403
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#35
 Methylcyclohexane
 Concen: 0.772 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU041073.D
 Acq: 03 Nov 2020 13:04

Tgt Ion: 83 Resp: 5081
 Ion Ratio Lower Upper
 83 100
 55 0.0 72.0 108.0#
 98 0.0 36.6 55.0#

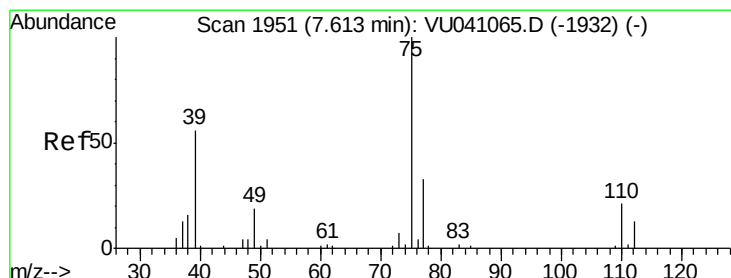
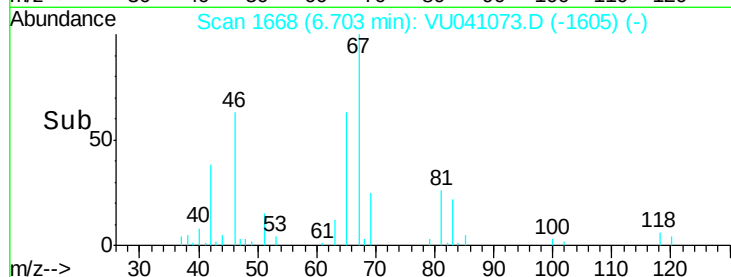
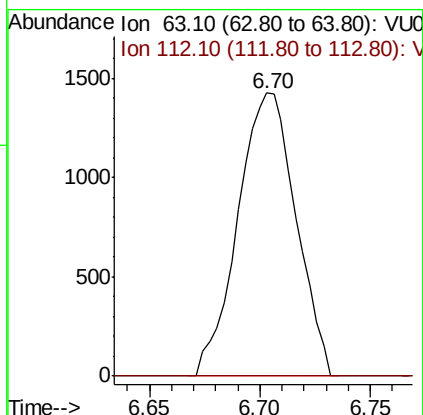
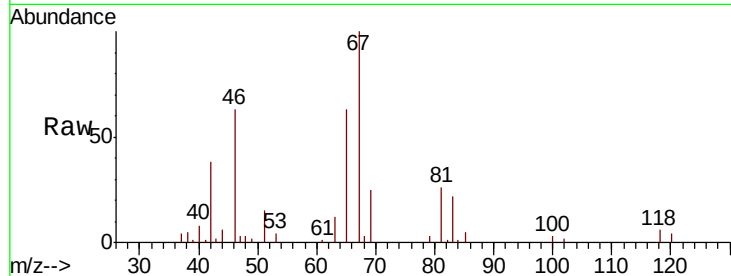




#37
 1,2-Dichloropropane
 Concen: 0.554 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041073.D
 Acq: 03 Nov 2020 13:04

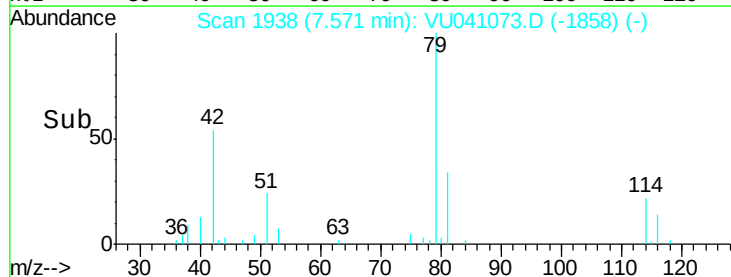
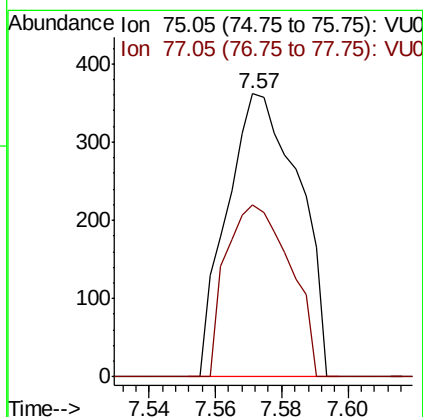
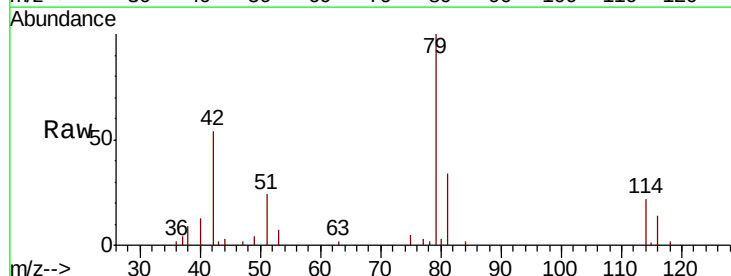
Instrument :
 MSVOA_U
 ClientSampleId :
 BFSE6

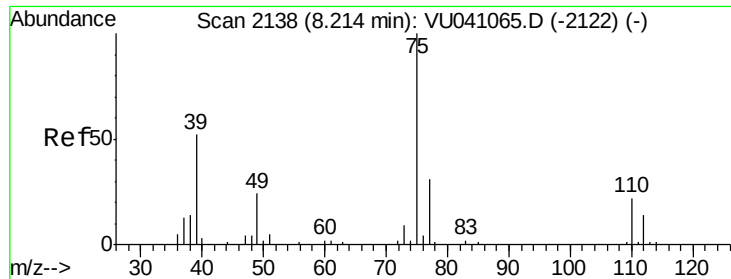
Tot Ion: 63 Resp: 2601
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.085 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041073.D
 Acq: 03 Nov 2020 13:04

Tgt Ion: 75 Resp: 547
 Ion Ratio Lower Upper
 75 100
 77 60.8 22.7 42.3#





#44

trans-1,3-Dichloropropene

Concen: 0.068 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041073.D

Acq: 03 Nov 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

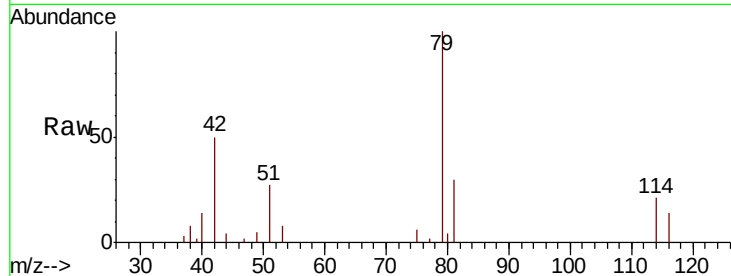
BFSE6

Tot Ion: 75 Resp: 413

Ion Ratio Lower Upper

75 100

77 41.5 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.18

300

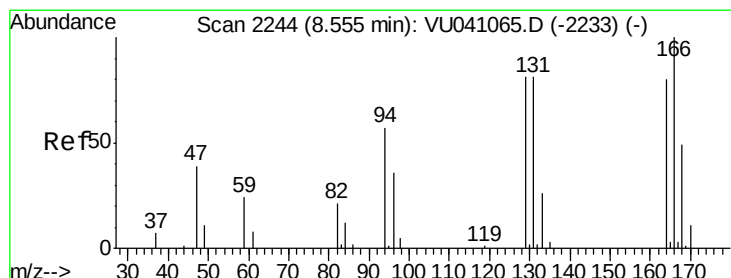
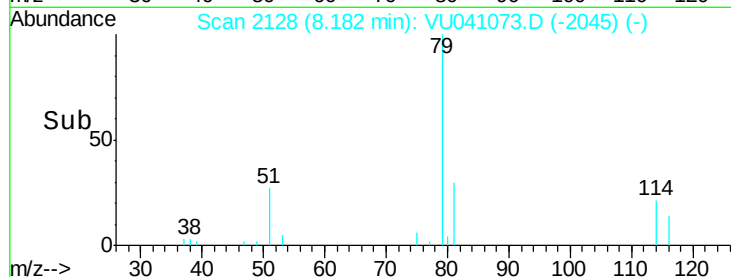
200

100

0

8.16 8.18 8.20

Time-->



#47

Tetrachloroethene

Concen: 0.108 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041073.D

Acq: 03 Nov 2020 13:04

Tgt Ion: 164 Resp: 352

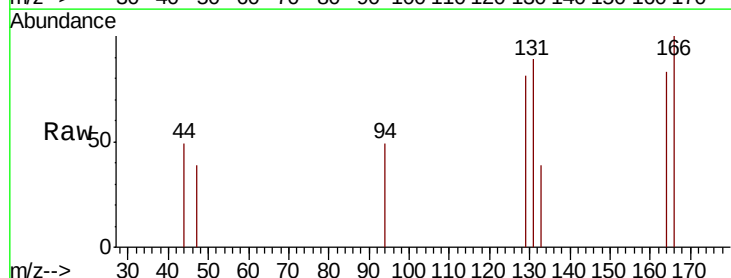
Ion Ratio Lower Upper

164 100

129 97.6 70.3 130.7

131 106.3 70.8 131.4

166 120.0 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

400

300

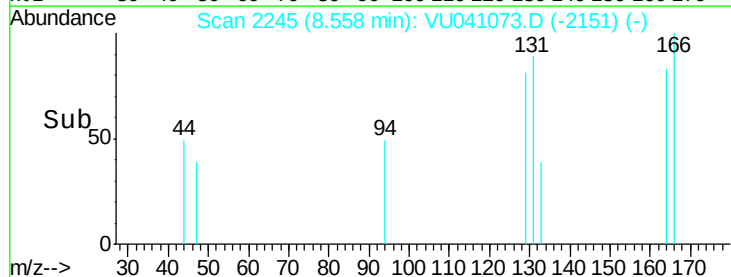
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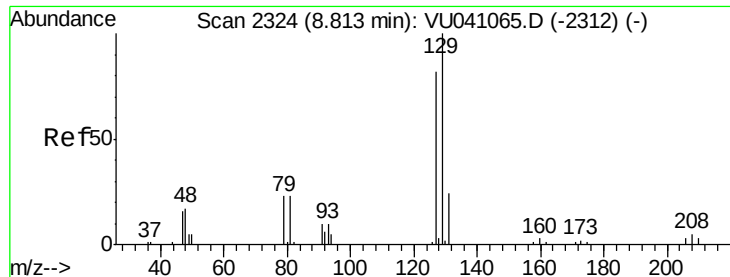
100

0

8.52 8.54 8.56 8.58

Time-->





#49

Dibromochloromethane

Concen: 0.078 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041073.D

Acq: 03 Nov 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

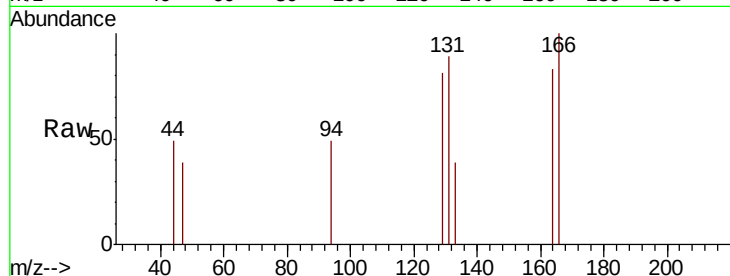
BFSE6

Tot Ion:129 Resp: 317

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

250

200

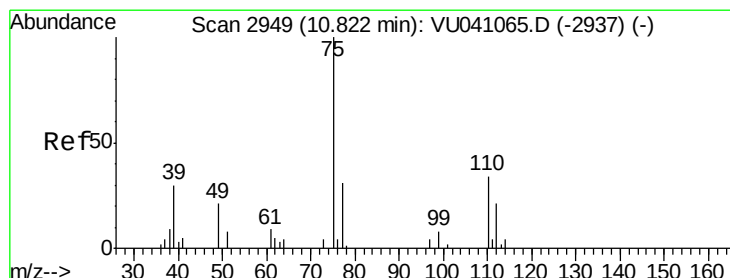
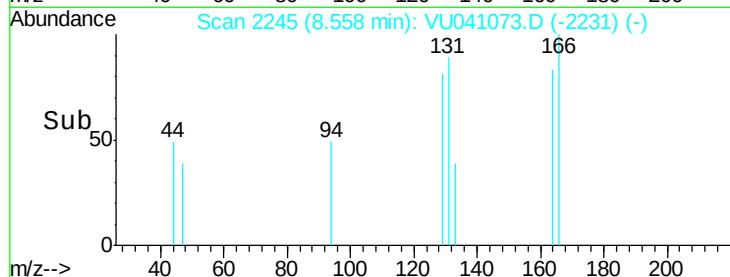
150

100

50

0

Time--> 8.52 8.54 8.56 8.58



#59

1,2,3-Trichloropropane

Concen: 1.051 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041073.D

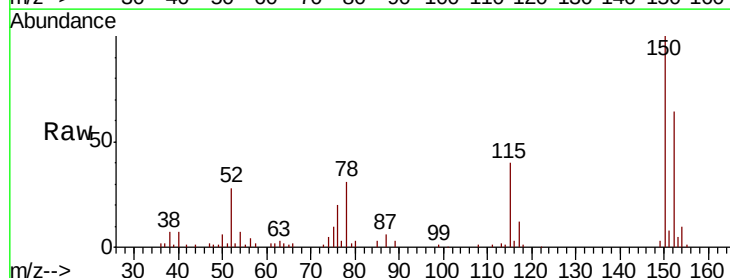
Acq: 03 Nov 2020 13:04

Tgt Ion: 75 Resp: 3674

Ion Ratio Lower Upper

75 100

77 35.8 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

2500

2000

1500

1000

500

0

Time--> 11.75 11.80 11.85

