

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100120\
 Data File : VU040424.D
 Acq On : 01 Oct 2020 14:59
 Operator : SY/MD
 Sample : L4202-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSB5

Quant Time: Oct 02 03:22:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 02 03:13:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	117723	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	120668	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53932	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22987	3.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.80%
7) Chloroethane-d5	1.92	69	24145	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.60%
11) 1,1-Dichloroethene-d2	2.58	63	39539	2.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.40%#
20) 2-Butanone-d5	4.65	46	152609	52.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.42%
24) Chloroform-d	5.08	84	67014	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.72	65	42601	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.74	84	113043	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.70	67	43178	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.91	98	86494	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.00%
43) trans-1,3-Dichloropropene-	8.19	79	15556	4.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.00%
46) 2-Hexanone-d5	8.64	63	108559	50.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.92%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	42178	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	42957	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	15488	1.338	ug/L	98
8) Chloroethane	1.94	64	357	0.053	ug/L #	44
13) Acetone	2.66	43	17514	7.260	ug/L	92
21) 2-Butanone	4.74	43	3572	0.922	ug/L	95
22) cis-1,2-Dichloroethene	4.69	96	11040	1.076	ug/L	92
25) Chloroform	5.11	83	1775	0.091	ug/L	81
27) 1,2-Dichloroethane	5.74	62	695	0.052	ug/L #	74
34) Trichloroethene	6.56	95	4226	0.393	ug/L	94
35) Methylcyclohexane	6.70	83	9702	0.616	ug/L #	14
37) 1,2-Dichloropropane	6.71	63	4763	0.423	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1062	0.070	ug/L #	30
44) trans-1,3-Dichloropropene	8.19	75	817	0.059	ug/L #	55
45) 1,1,2-Trichloroethane	8.56	97	756	0.096	ug/L #	1
47) Tetrachloroethene	8.56	164	77366	10.145	ug/L	96
49) Dibromochloromethane	8.56	129	77216	8.405	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	7378	0.903	ug/L #	88

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QLast Update : Fri Oct 02 03:13:35 2020
Response via : Initial Calibration

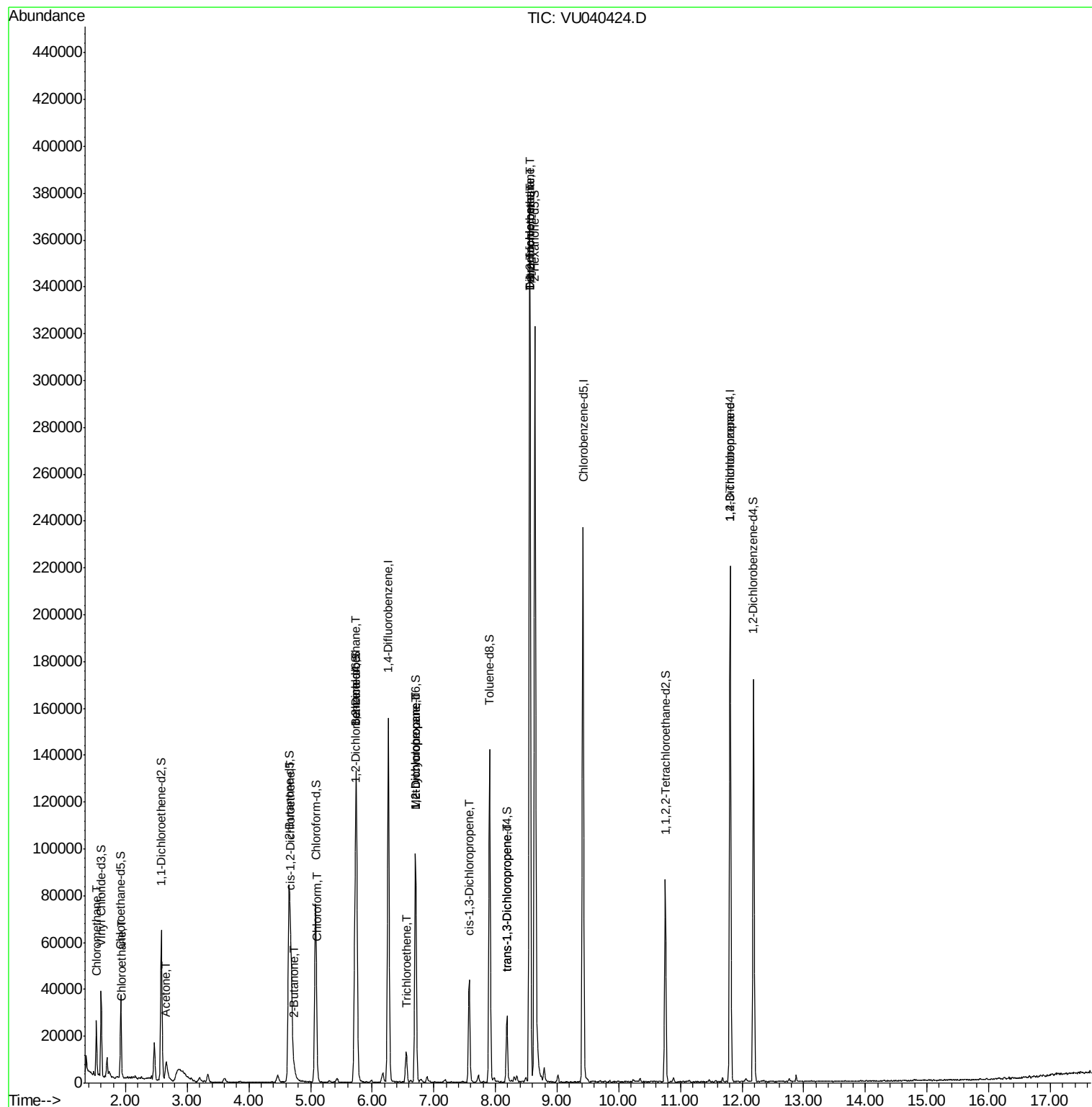
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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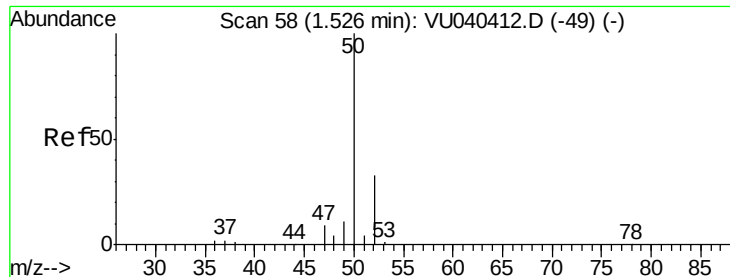
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100120\
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#3

Chloromethane

Concen: 1.338 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040424.D

Acq: 01 Oct 2020 14:59

Instrument :

MSVOA_U

ClientSampleId :

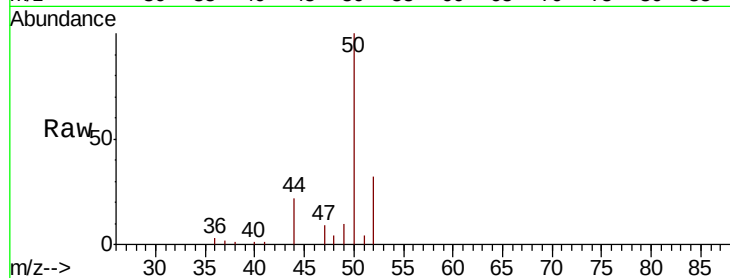
BFSB5

Tot Ion: 50 Resp: 15488

Ion Ratio Lower Upper

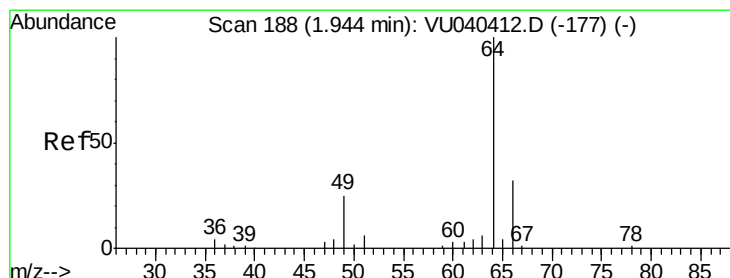
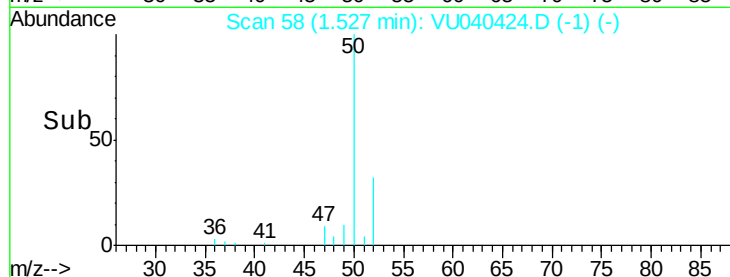
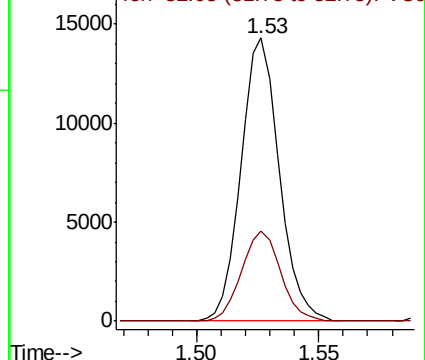
50 100

52 31.8 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.053 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040424.D

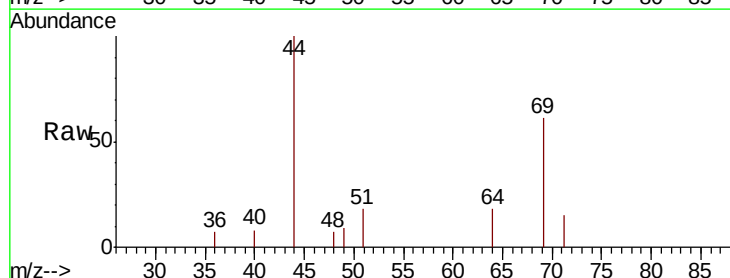
Acq: 01 Oct 2020 14:59

Tgt Ion: 64 Resp: 357

Ion Ratio Lower Upper

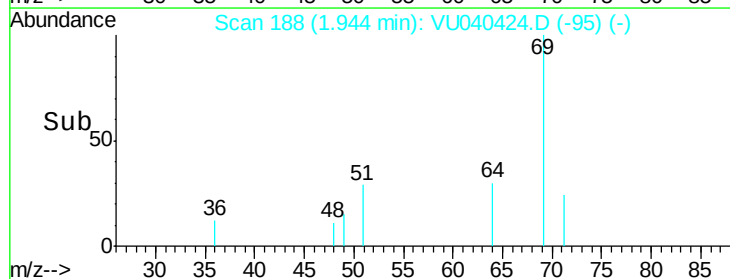
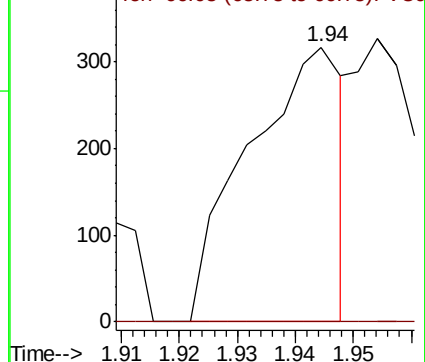
64 100

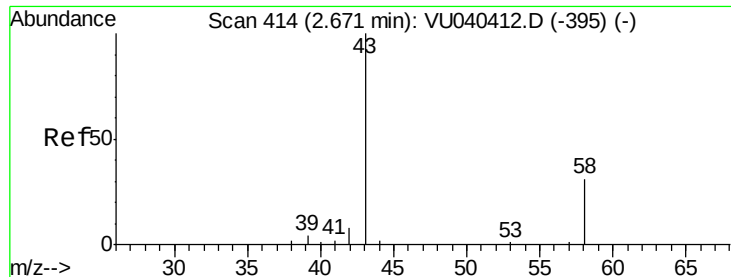
66 0.0 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#13

Acetone

Concen: 7.260 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU040424.D

Acq: 01 Oct 2020 14:59

Instrument :

MSVOA_U

ClientSampleId :

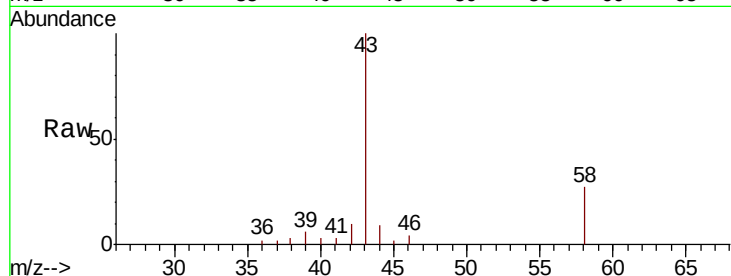
BFSB5

Tot Ion: 43 Resp: 17514

Ion Ratio Lower Upper

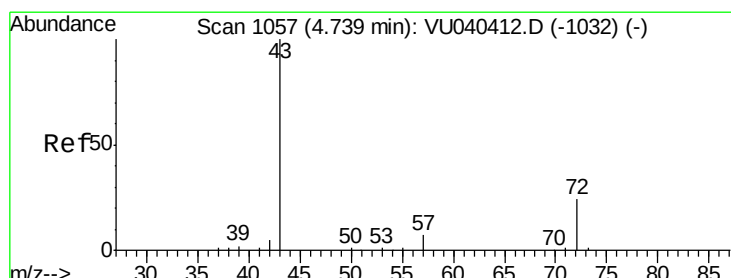
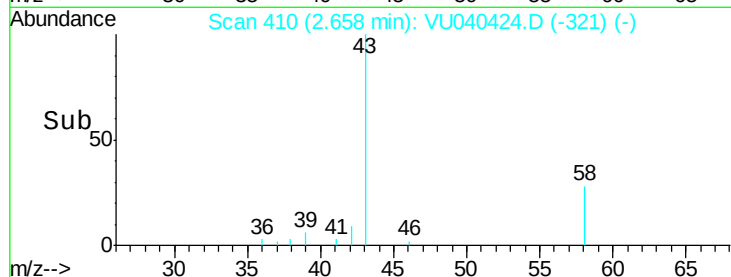
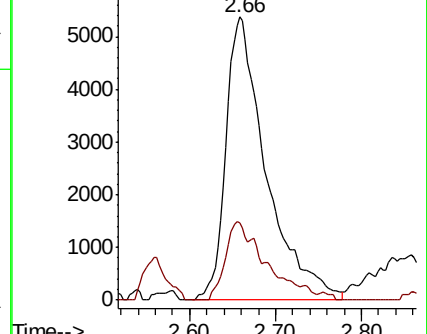
43 100

58 26.6 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#21

2-Butanone

Concen: 0.922 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU040424.D

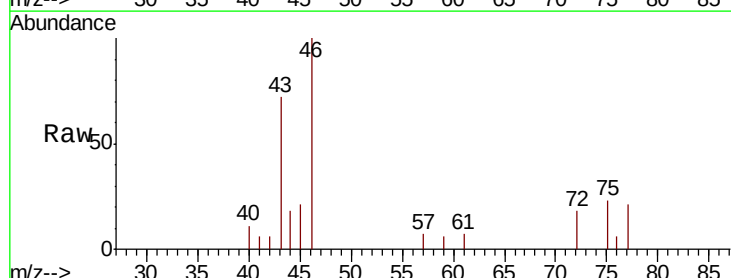
Acq: 01 Oct 2020 14:59

Tgt Ion: 43 Resp: 3572

Ion Ratio Lower Upper

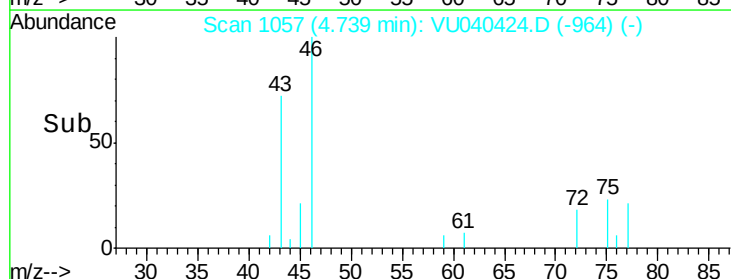
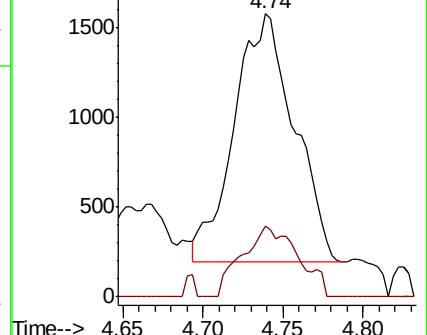
43 100

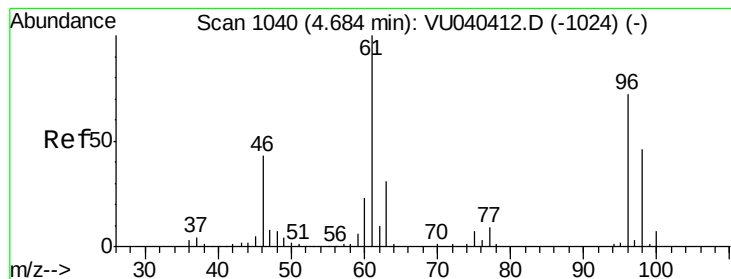
72 26.5 12.0 36.1



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 1.076 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040424.D

Acq: 01 Oct 2020 14:59

Instrument :

MSVOA_U

ClientSampleId :

BFSB5

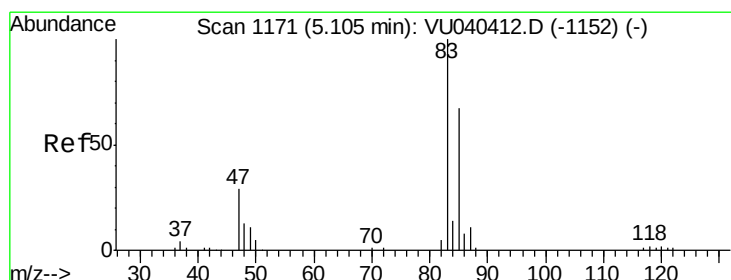
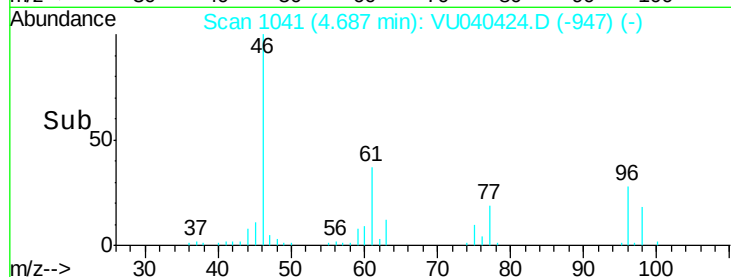
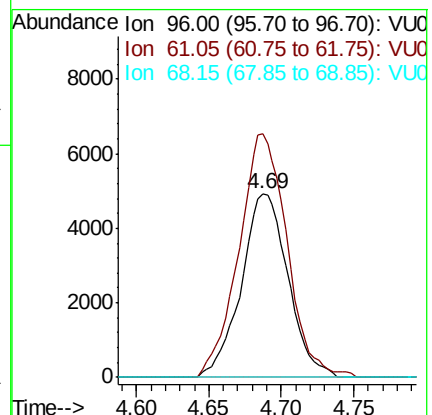
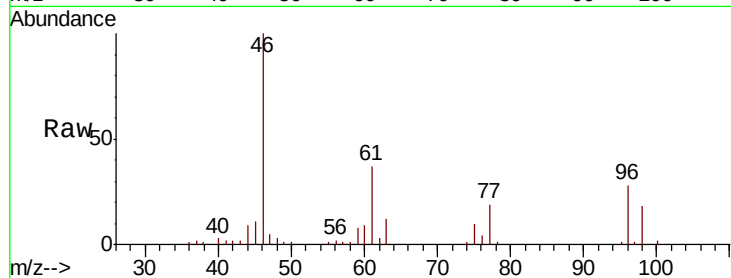
Tot Ion: 96 Resp: 11040

Ion Ratio Lower Upper

96 100

61 132.3 99.3 184.5

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.091 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040424.D

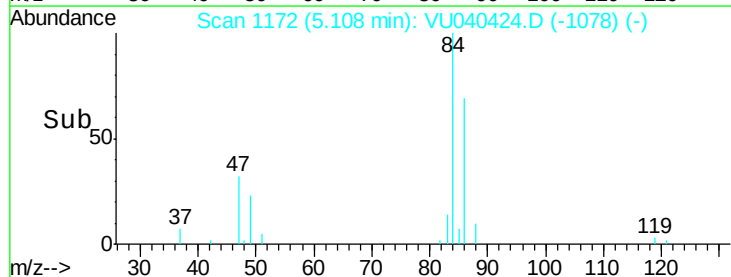
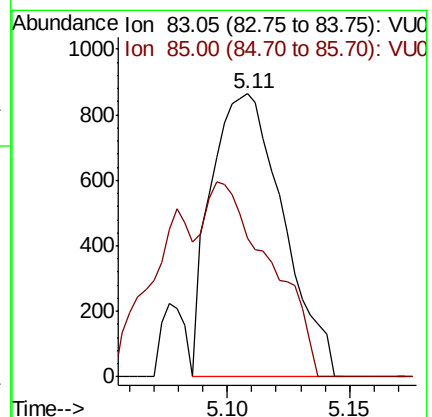
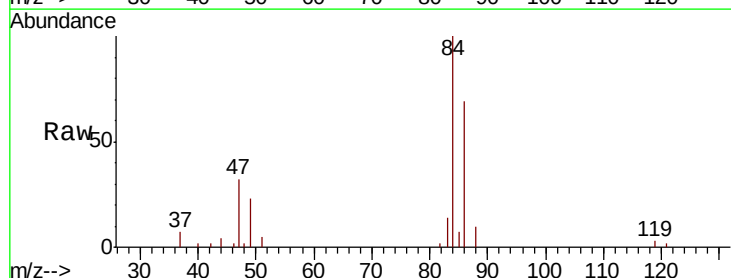
Acq: 01 Oct 2020 14:59

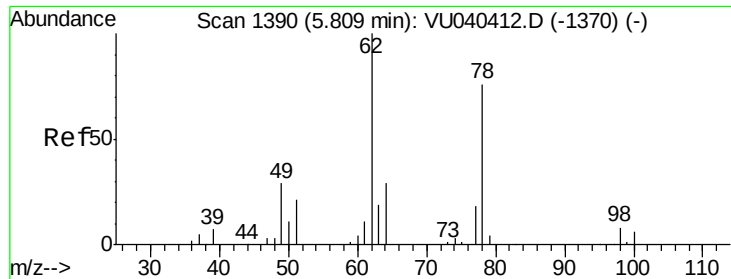
Tgt Ion: 83 Resp: 1775

Ion Ratio Lower Upper

83 100

85 49.1 44.6 82.8





#27

1,2-Dichloroethane

Concen: 0.052 ug/L

RT: 5.74 min Scan# 1368

Delta R.T. -0.07 min

Lab File: VU040424.D

Acq: 01 Oct 2020 14:59

Instrument :

MSVOA_U

ClientSampled :

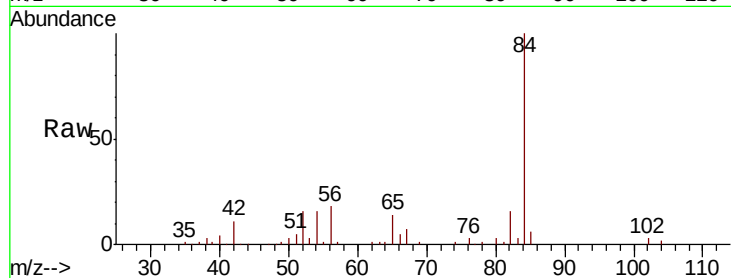
BFSB5

Tot Ion: 62 Resp: 695

Ion Ratio Lower Upper

62 100

98 0.0 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

5.74

400

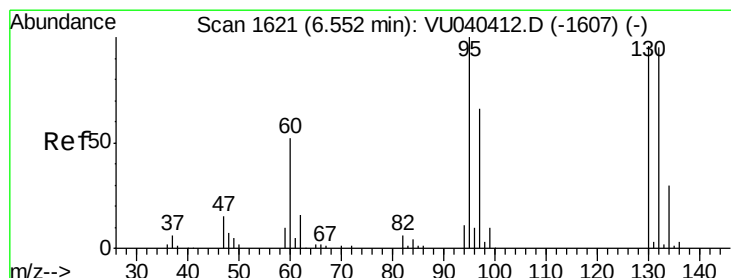
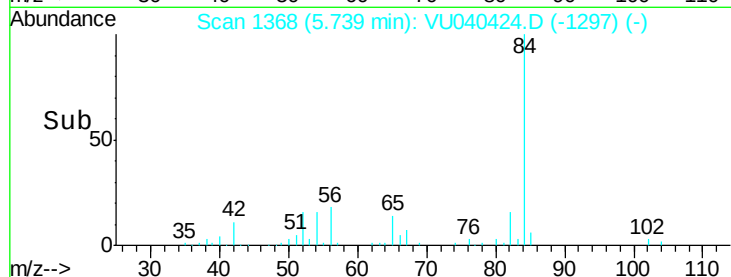
300

200

100

0

Time-->



#34

Trichloroethene

Concen: 0.393 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040424.D

Acq: 01 Oct 2020 14:59

Tgt Ion: 95 Resp: 4226

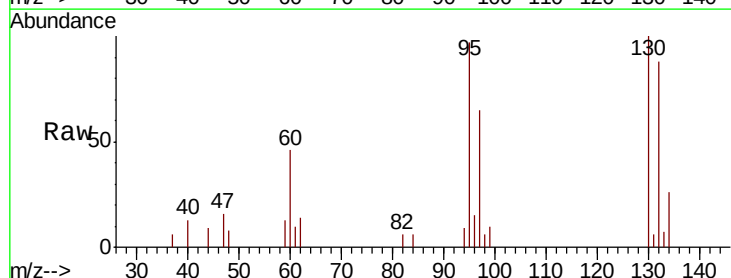
Ion Ratio Lower Upper

95 100

97 66.9 46.3 85.9

132 90.5 60.5 112.3

130 103.4 64.3 119.3



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

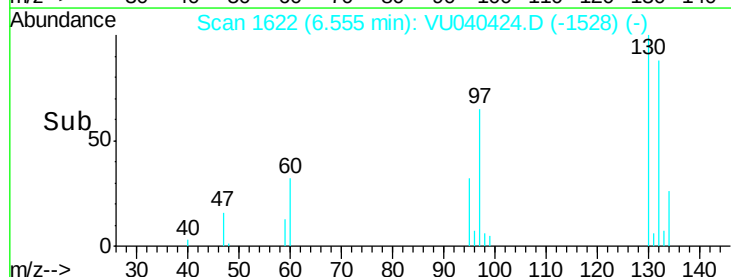
3000

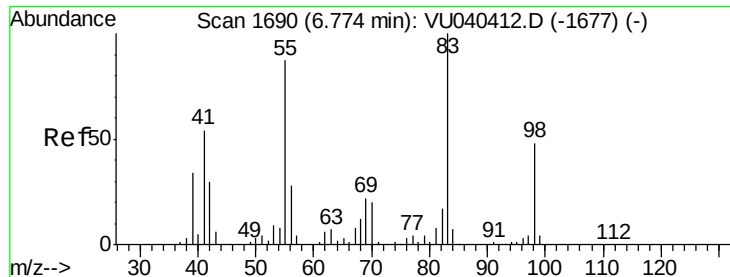
2000

1000

0

Time-->

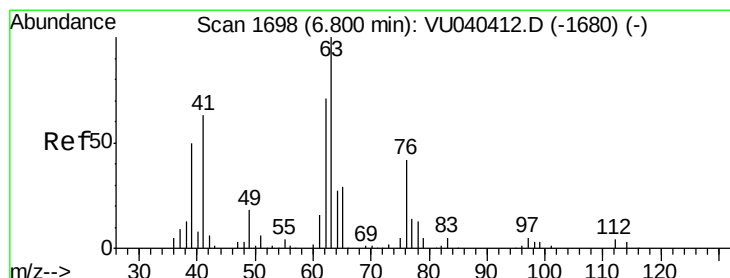
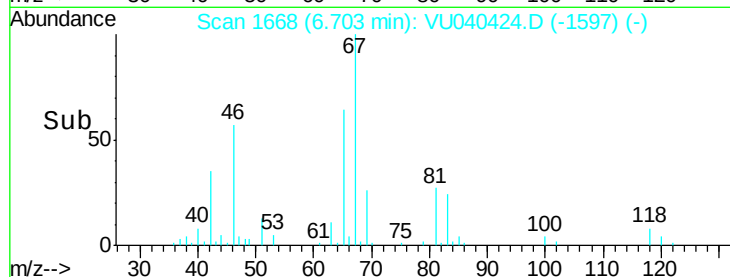
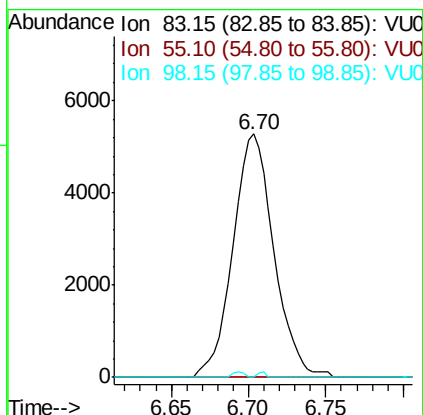
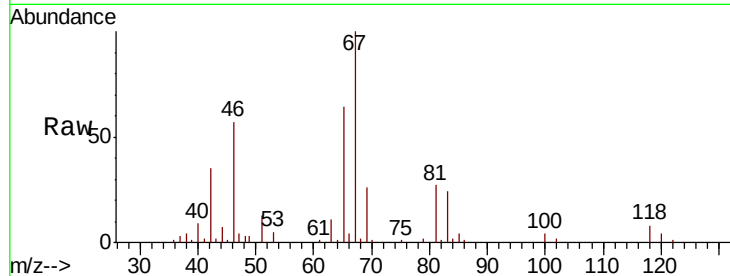




#35
Methylvlcyclohexane
Concen: 0.616 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040424.D
Acq: 01 Oct 2020 14:59

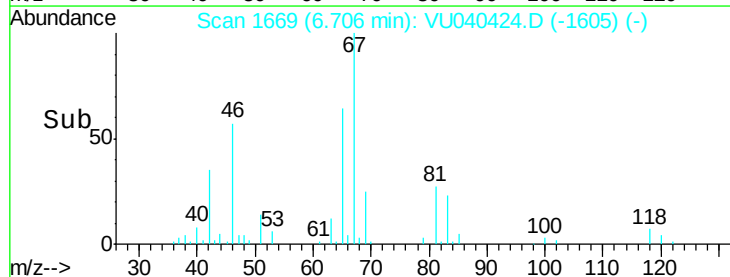
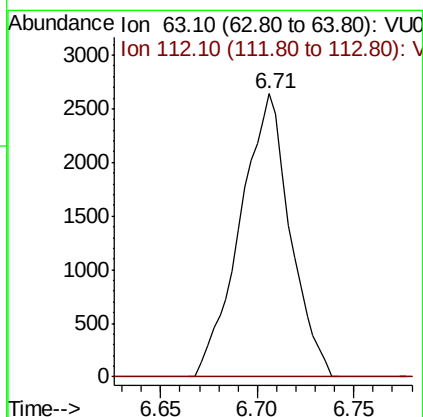
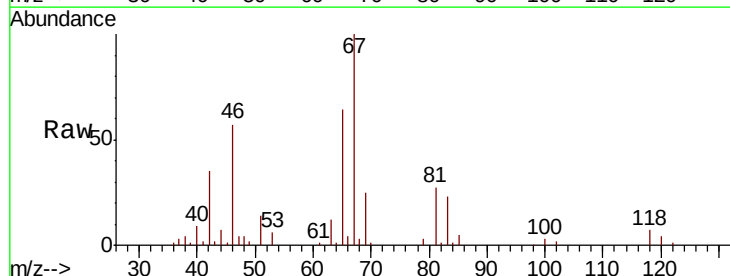
Instrument :
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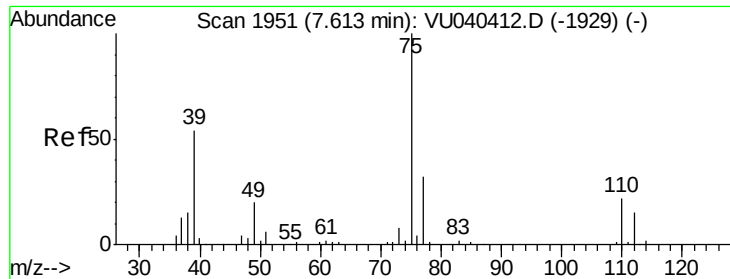
Tot Ion: 83 Resp: 9702
Ion Ratio Lower Upper
83 100
55 1.3 71.4 107.2#
98 0.4 38.5 57.7#



#37
1,2-Dichloropropane
Concen: 0.423 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.09 min
Lab File: VU040424.D
Acq: 01 Oct 2020 14:59

Tgt Ion: 63 Resp: 4763
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

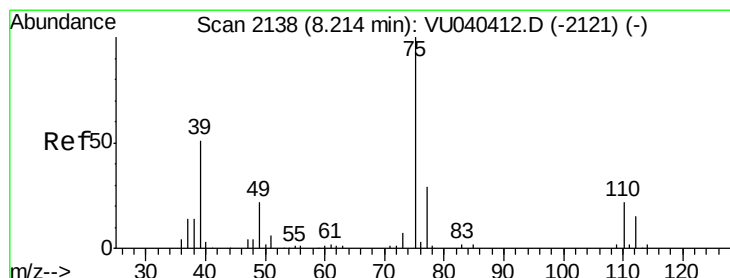
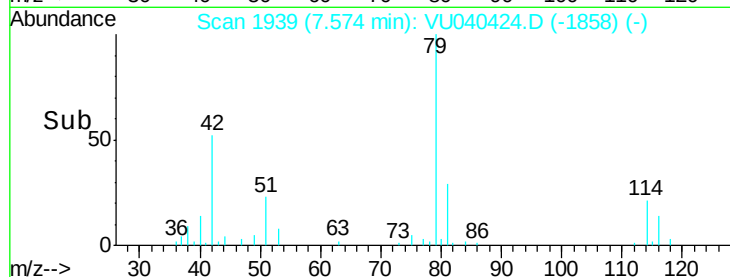
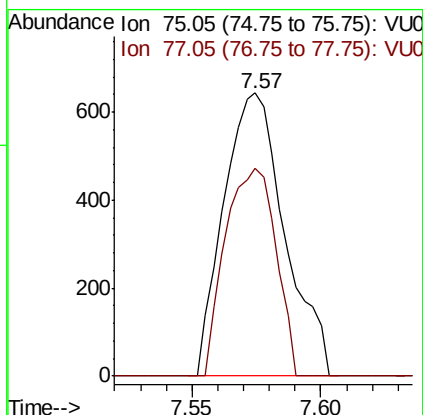
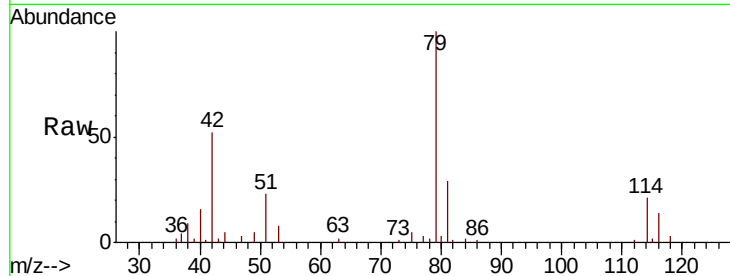




#39
 cis-1,3-Dichloropropene
 Concen: 0.070 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040424.D
 Acq: 01 Oct 2020 14:59

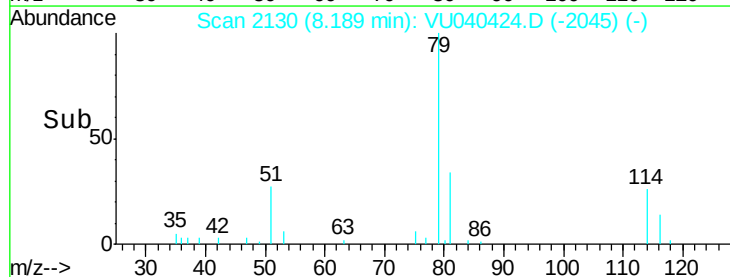
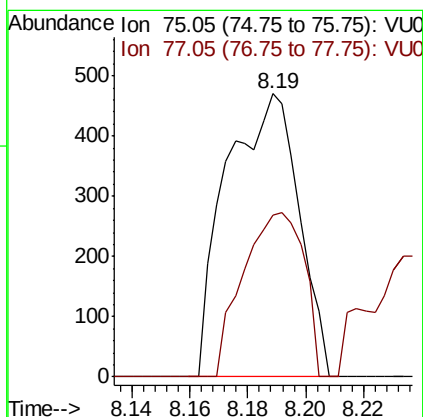
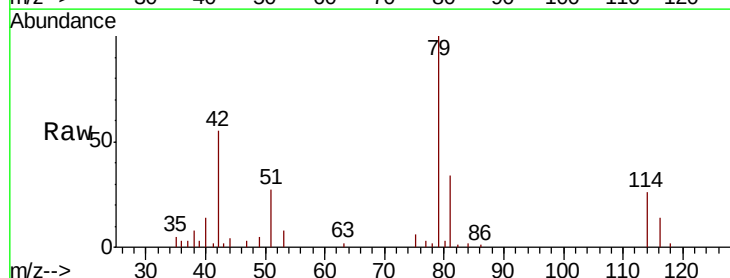
Instrument :
 MSVOA_U
 ClientSampleId :
 BFSB5

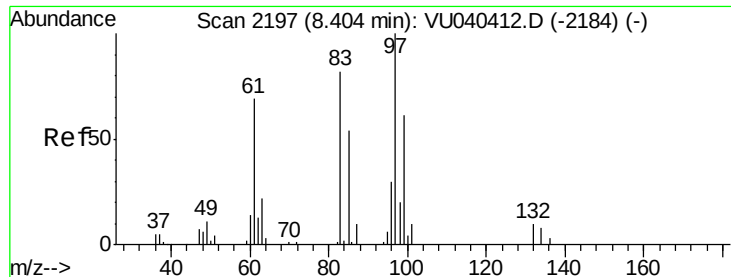
Tot Ion: 75 Resp: 1062
 Ion Ratio Lower Upper
 75 100
 77 73.4 23.5 43.7#



#44
 trans-1,3-Dichloropropene
 Concen: 0.059 ug/L
 RT: 8.19 min Scan# 2130
 Delta R.T. -0.03 min
 Lab File: VU040424.D
 Acq: 01 Oct 2020 14:59

Tgt Ion: 75 Resp: 817
 Ion Ratio Lower Upper
 75 100
 77 57.0 22.3 41.3#





#45

1,1,2-Trichloroethane

Concen: 0.096 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.15 min

Lab File: VU040424.D

Acq: 01 Oct 2020 14:59

Instrument :

MSVOA_U

ClientSampleId :

BFSB5

Tot Ion: 97 Resp: 756

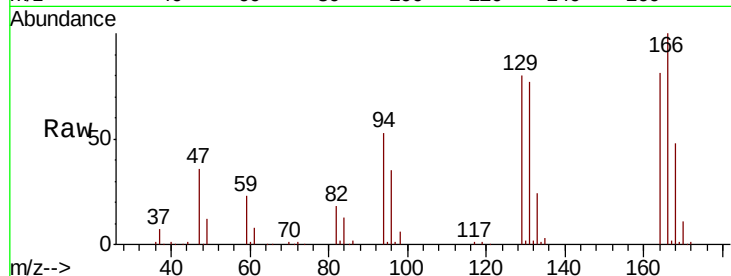
Ion Ratio Lower Upper

97 100

99 0.0 45.8 85.0#

83 236.7 62.9 116.9#

85 23.3 41.7 77.5#



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

2000

1500

1000

500

0

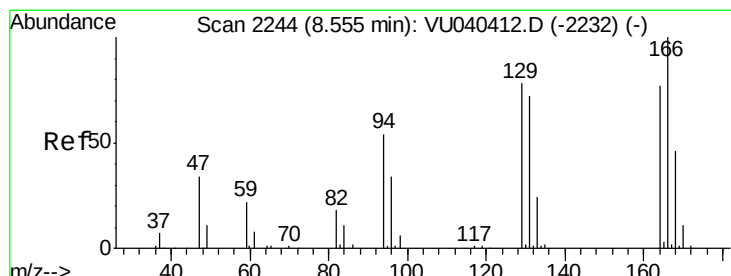
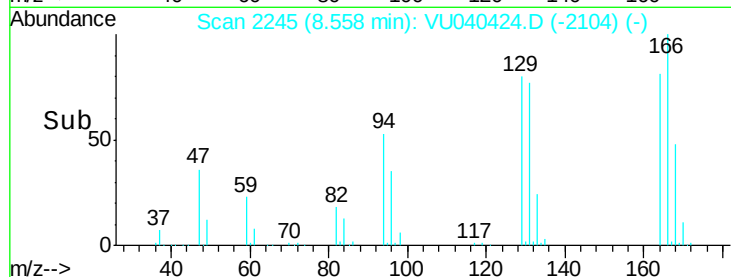
8.52

8.54

8.56

8.58

Time-->



#47

Tetrachloroethene

Concen: 10.145 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040424.D

Acq: 01 Oct 2020 14:59

Tgt Ion: 164 Resp: 77366

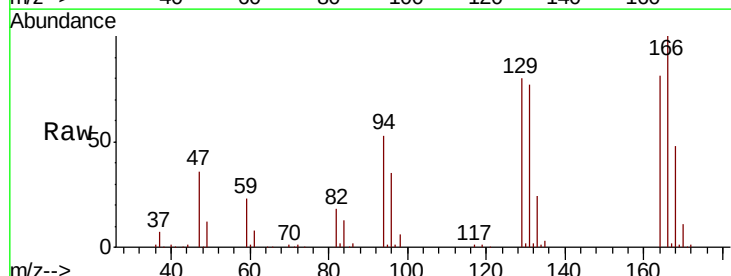
Ion Ratio Lower Upper

164 100

129 99.3 70.3 130.7

131 95.1 69.2 128.6

166 123.4 91.1 169.3



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

80000

60000

40000

20000

0

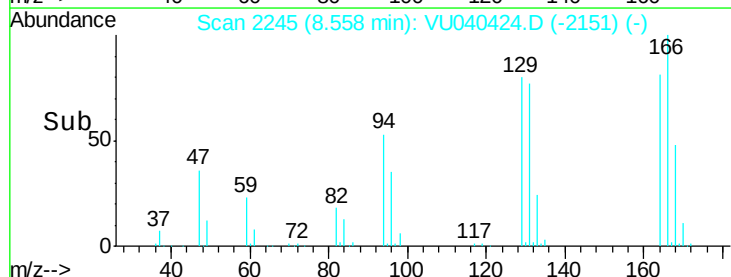
8.50

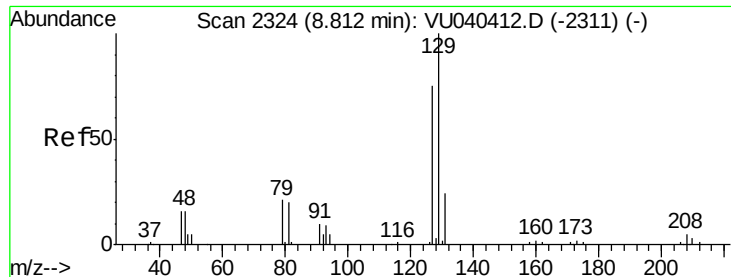
8.55

8.60

8.65

Time-->





#49

Dibromochloromethane

Concen: 8.405 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040424.D

Acq: 01 Oct 2020 14:59

Instrument :

MSVOA_U

ClientSampleId :

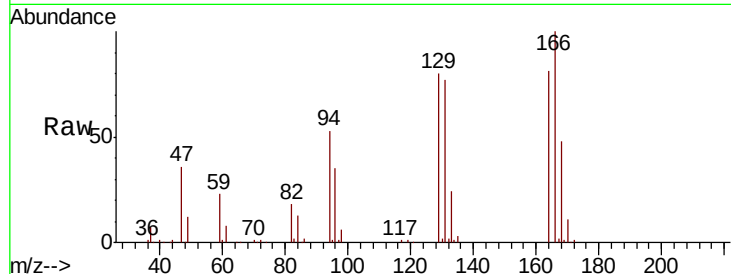
BFSB5

Tot Ion:129 Resp: 77216

Ion Ratio Lower Upper

129 100

127 0.0 55.4 103.0#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

50000

40000

30000

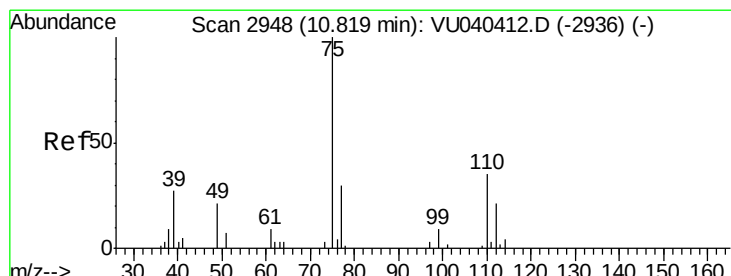
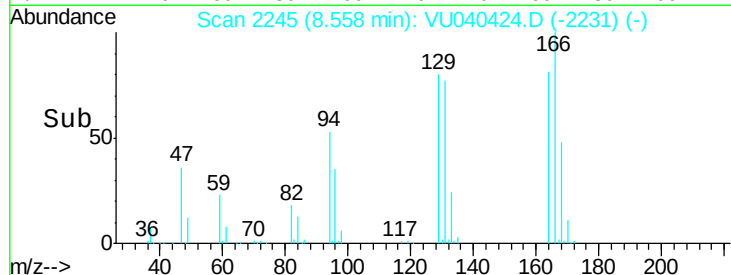
20000

10000

0

8.50 8.55 8.60 8.65

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.903 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU040424.D

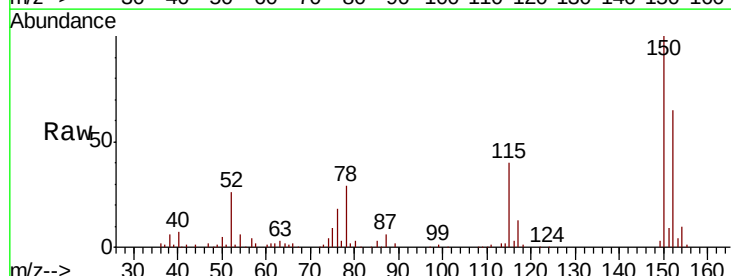
Acq: 01 Oct 2020 14:59

Tgt Ion: 75 Resp: 7378

Ion Ratio Lower Upper

75 100

77 38.8 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

5000

4000

3000

2000

1000

0

11.75 11.80 11.85

Time-->

