

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111620\
 Data File : VU041249.D
 Acq On : 16 Nov 2020 15:43
 Operator : SY/MD
 Sample : L4754-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0BW5

Quant Time: Nov 17 07:16:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Nov 16 12:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	59115	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	60983	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25679	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22609	5.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.00%
7) Chloroethane-d5	1.92	69	21465	5.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.40%
11) 1,1-Dichloroethene-d2	2.58	63	31160	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	4.65	46	95050	53.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.02%
24) Chloroform-d	5.08	84	47198	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.72	65	32551	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
32) Benzene-d6	5.74	84	85376	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.70	67	28186	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.90	98	68218	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	8.19	79	9807	4.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.40%
46) 2-Hexanone-d5	8.64	63	66297	50.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.80%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26257	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	24790	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	416	0.079	ug/L	83
8) Chloroethane	1.94	64	144	0.042	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	223	0.051	ug/L #	22
13) Acetone	2.66	43	2187	1.839	ug/L #	64
25) Chloroform	5.11	83	512	0.056	ug/L	90
27) 1,2-Dichloroethane	5.74	62	433	0.066	ug/L #	74
33) Benzene	5.74	78	587	0.036	ug/L	100
35) Methylcyclohexane	6.70	83	6434	1.084	ug/L #	16
37) 1,2-Dichloropropane	6.70	63	3377	0.699	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	794	0.118	ug/L #	62
44) trans-1,3-Dichloropropene	8.18	75	471	0.074	ug/L	86
45) 1,1,2-Trichloroethane	8.56	97	222	0.059	ug/L #	1
47) Tetrachloroethene	8.56	164	38457	11.652	ug/L	97
48) 2-Hexanone	8.64	43	11753	3.939	ug/L #	77
49) Dibromochloromethane	8.56	129	39142	8.842	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3460	0.908	ug/L	95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Nov 16 12:08:29 2020
Response via : Initial Calibration

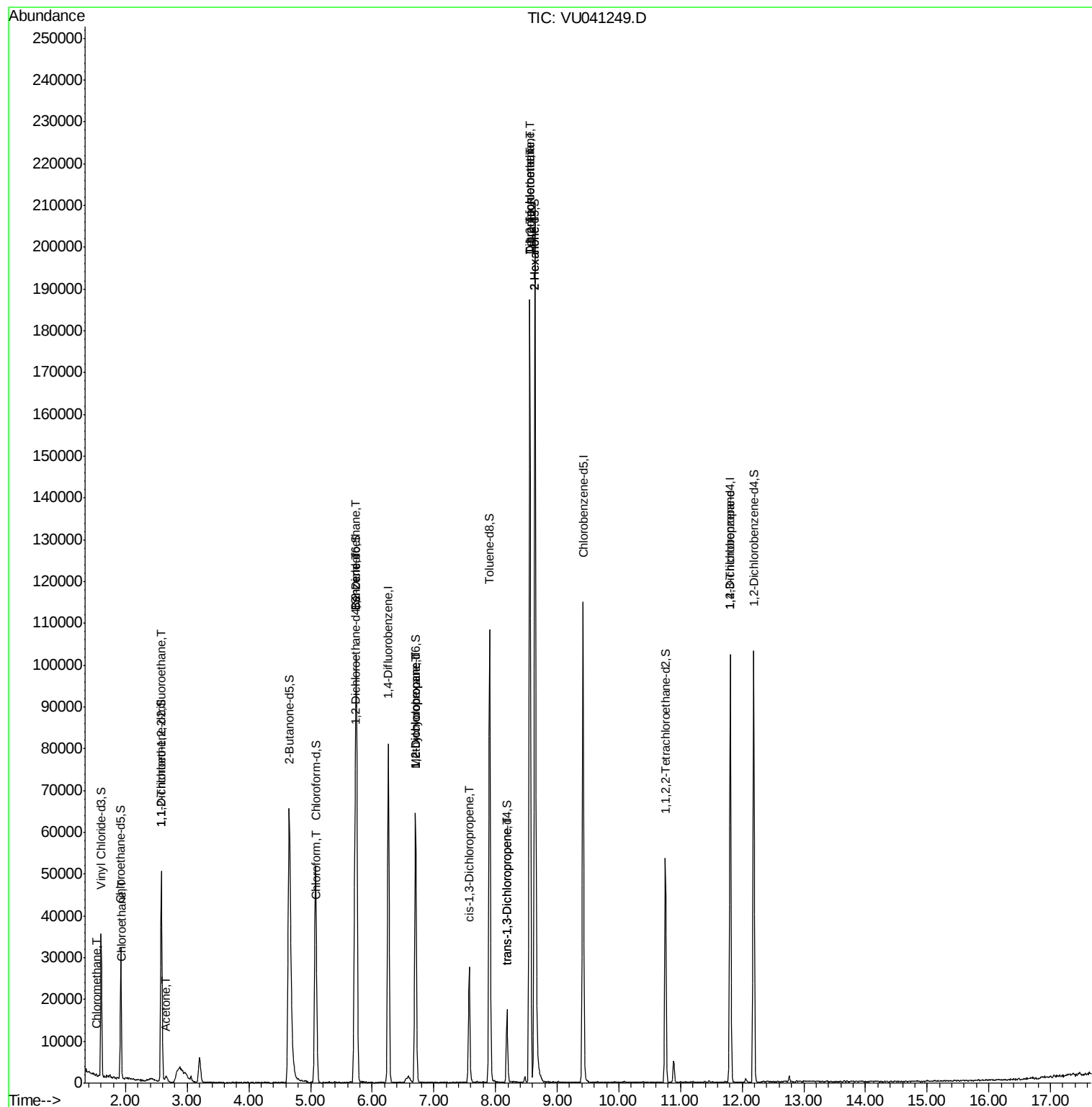
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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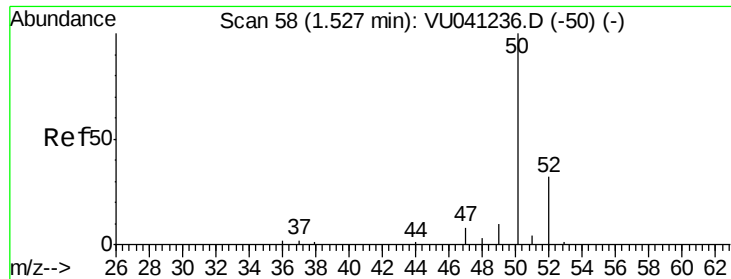
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.079 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU041249.D

Acq: 16 Nov 2020 15:43

Instrument :

MSVOA_U

ClientSampleId :

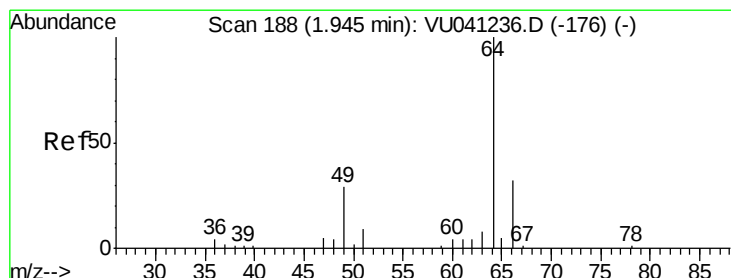
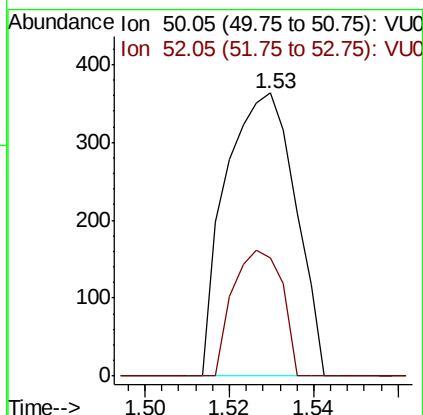
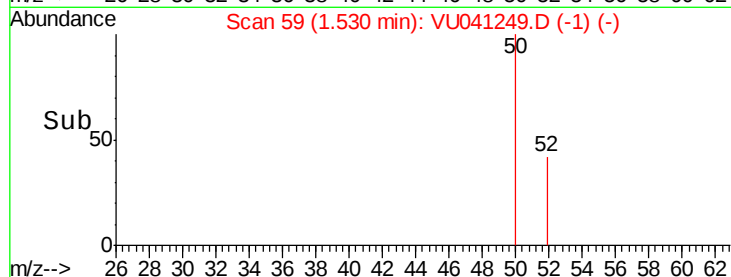
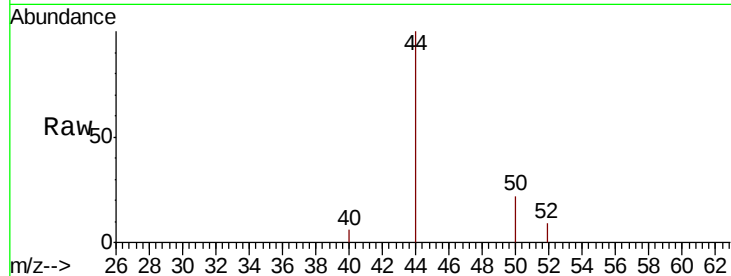
C0BW5

Tot Ion: 50 Resp: 416

Ion Ratio Lower Upper

50 100

52 41.6 22.4 41.6



#8

Chloroethane

Concen: 0.042 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU041249.D

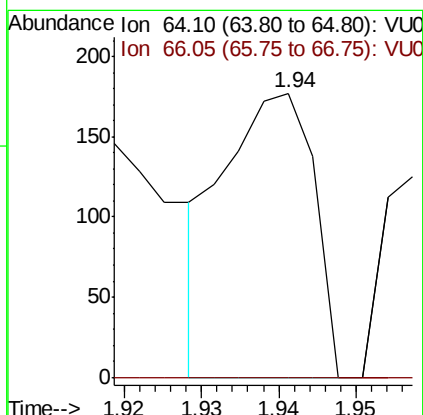
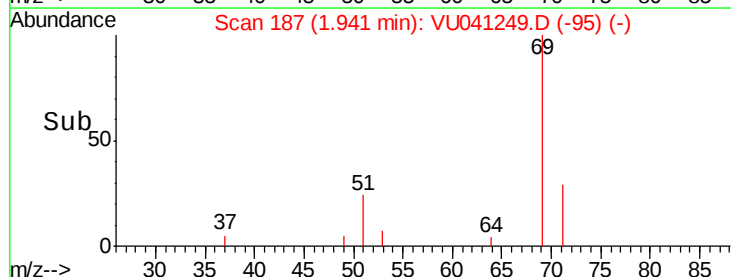
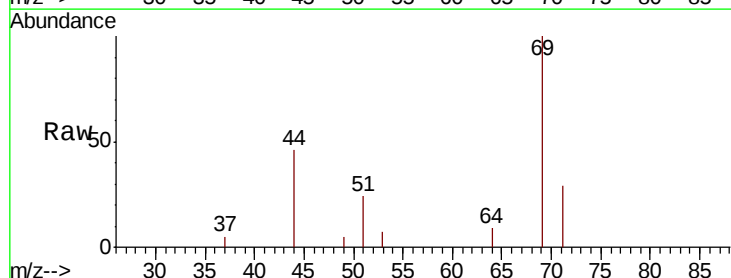
Acq: 16 Nov 2020 15:43

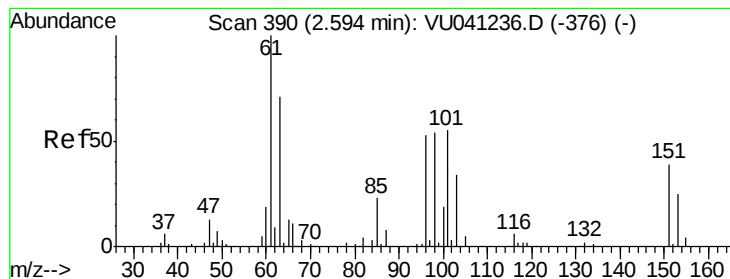
Tgt Ion: 64 Resp: 144

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.051 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU041249.D

Acq: 16 Nov 2020 15:43

Instrument :

MSVOA_U

ClientSampled :

C0BW5

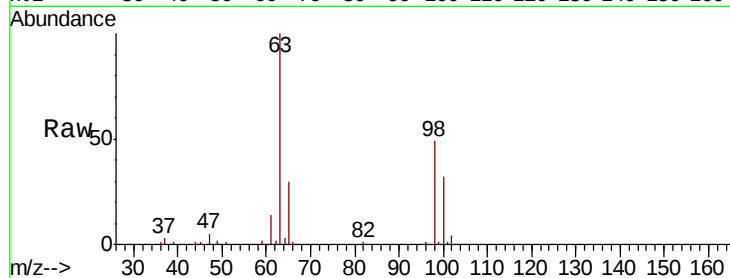
Tot Ion:101 Resp: 223

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

250

200

150

100

50

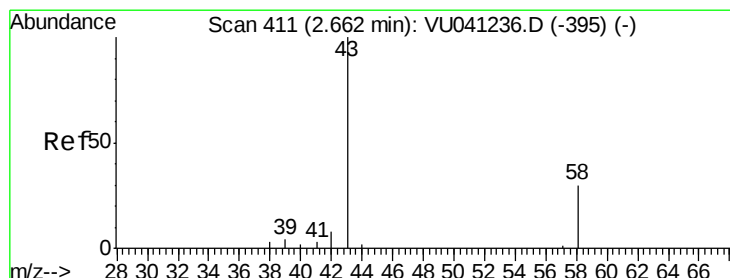
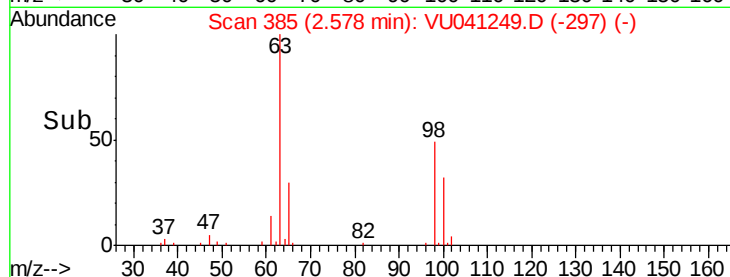
0

2.56

2.58

2.60

Time-->



#13

Acetone

Concen: 1.839 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU041249.D

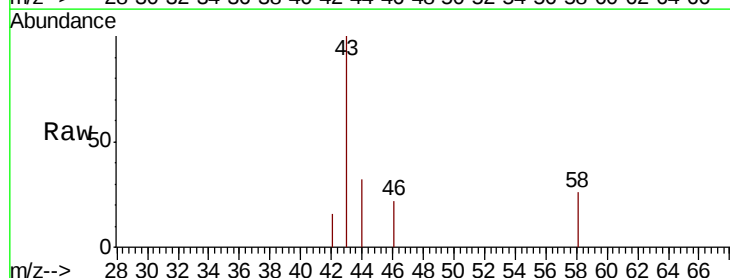
Acq: 16 Nov 2020 15:43

Tgt Ion: 43 Resp: 2187

Ion Ratio Lower Upper

43 100

58 26.8 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

1000

800

600

400

200

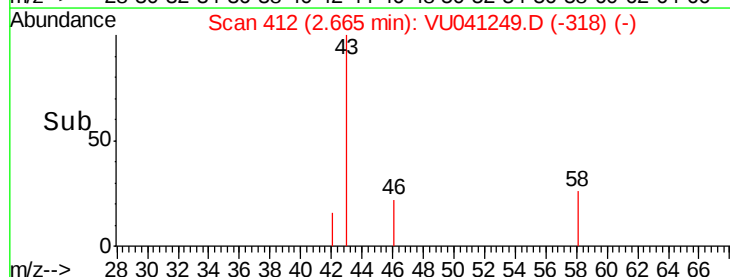
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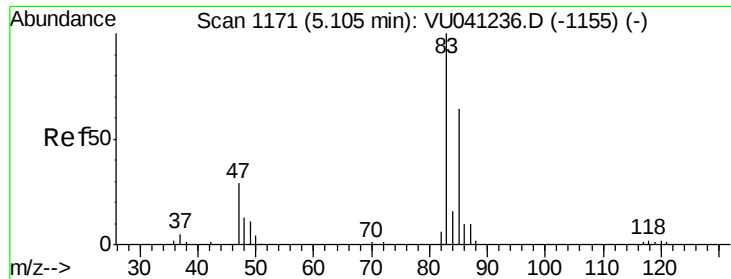
2.60

2.65

2.70

Time-->

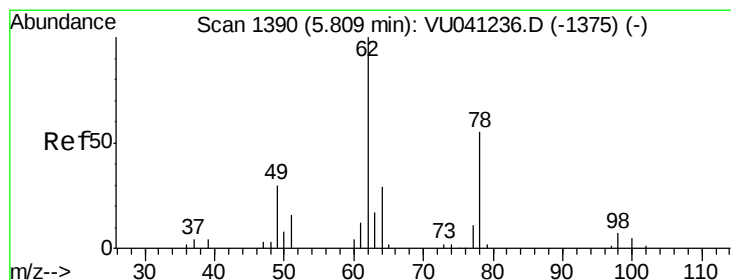
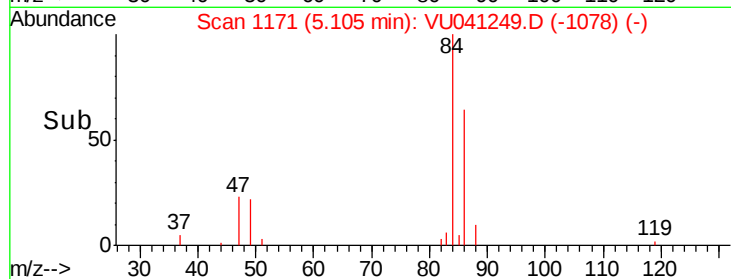
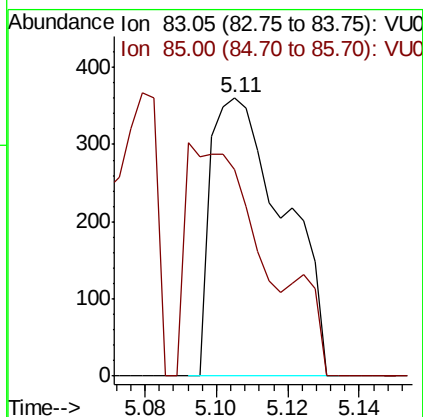
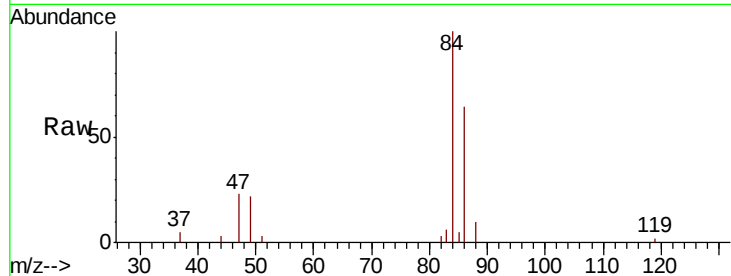




#25
Chloroform
Concen: 0.056 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041249.D
Acq: 16 Nov 2020 15:43

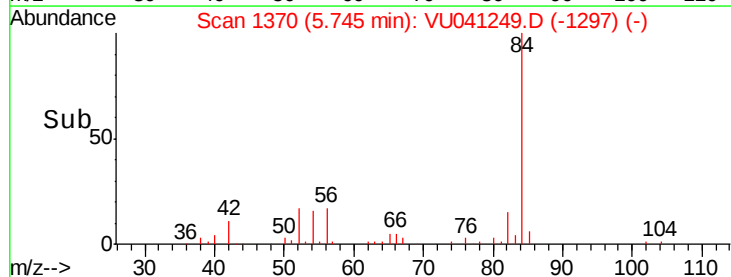
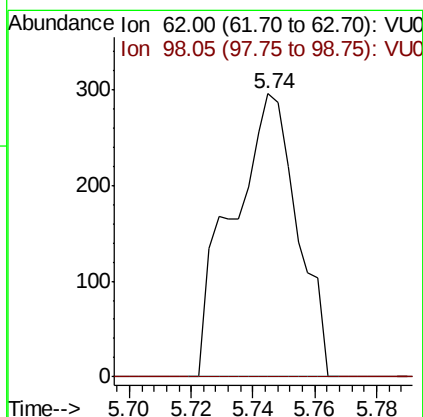
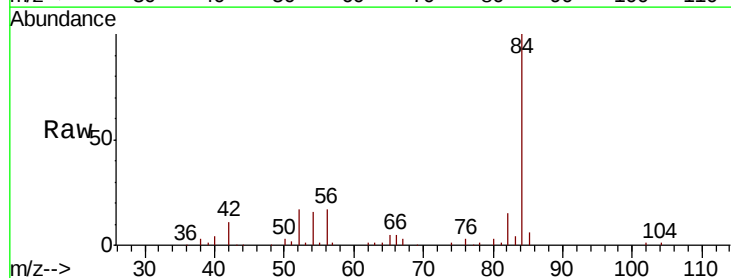
Instrument :
MSVOA_U
ClientSampleId :
C0BW5

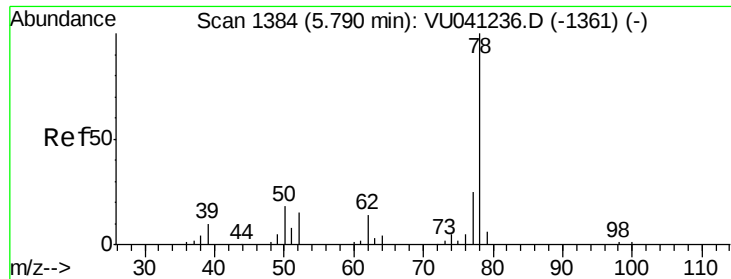
Tot Ion: 83 Resp: 512
Ion Ratio Lower Upper
83 100
85 74.2 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.066 ug/L
RT: 5.74 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041249.D
Acq: 16 Nov 2020 15:43

Tgt Ion: 62 Resp: 433
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#33

Benzene

Concen: 0.036 ug/L

RT: 5.74 min Scan# 1370

Delta R.T. -0.05 min

Lab File: VU041249.D

Acq: 16 Nov 2020 15:43

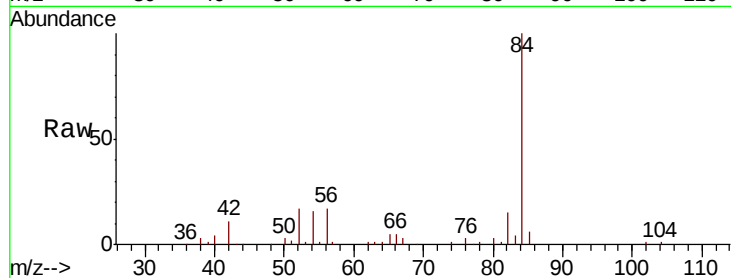
Instrument :

MSVOA_U

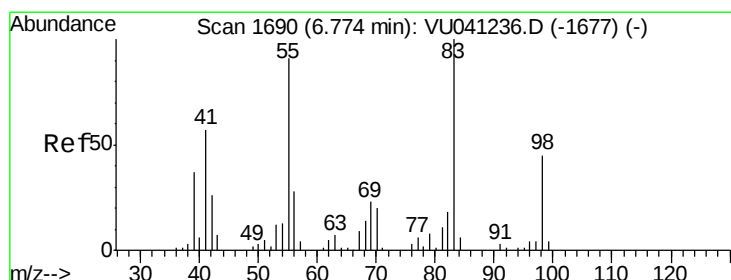
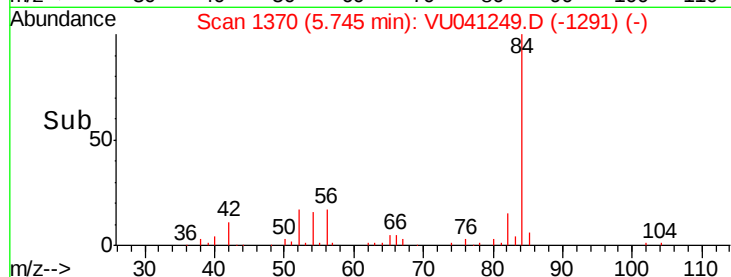
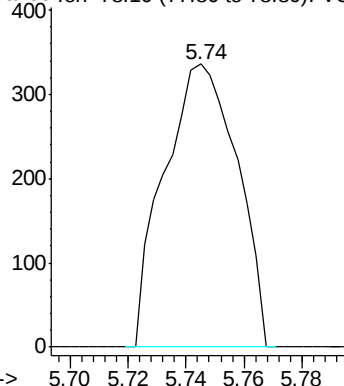
ClientSampleId :

C0BW5

Tgt Ion: 78 Resp: 587



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 1.084 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041249.D

Acq: 16 Nov 2020 15:43

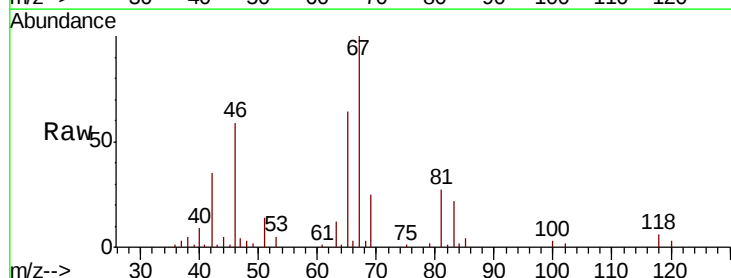
Tgt Ion: 83 Resp: 6434

Ion Ratio Lower Upper

83 100

55 2.8 72.0 108.0#

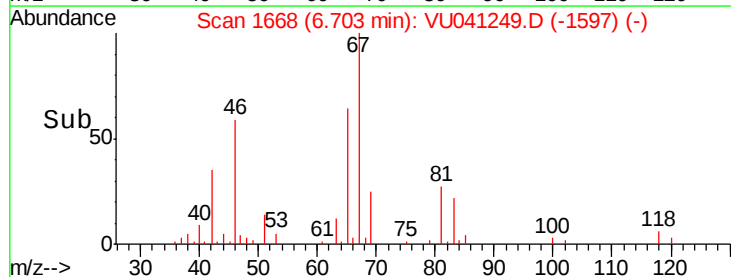
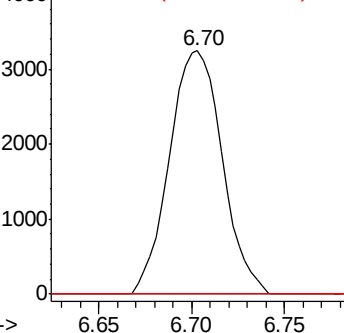
98 2.1 36.6 55.0#

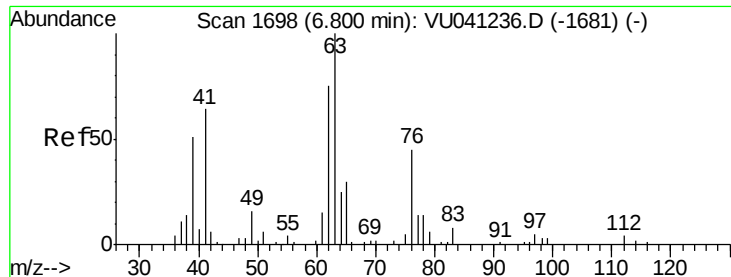


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

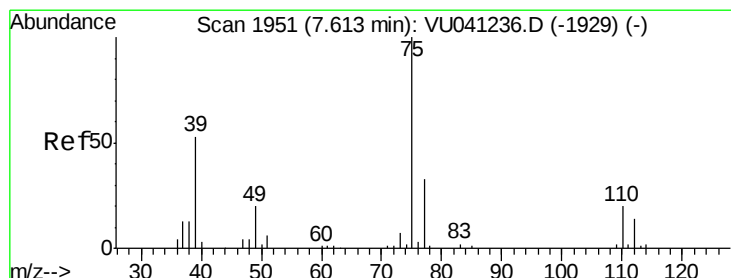
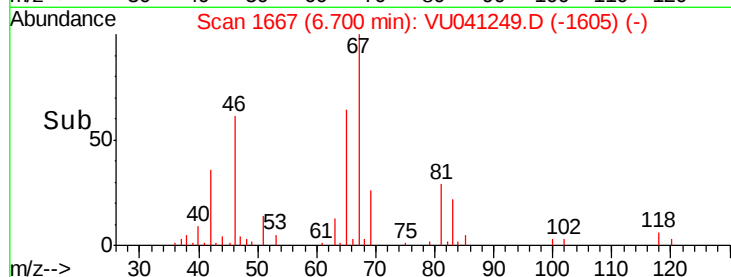
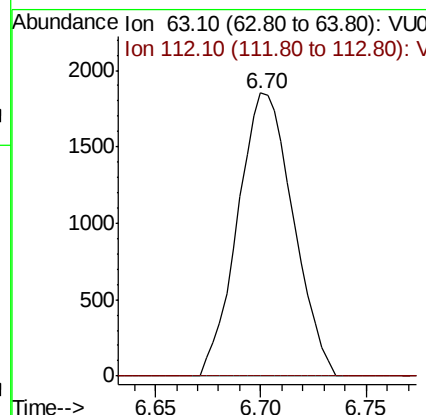
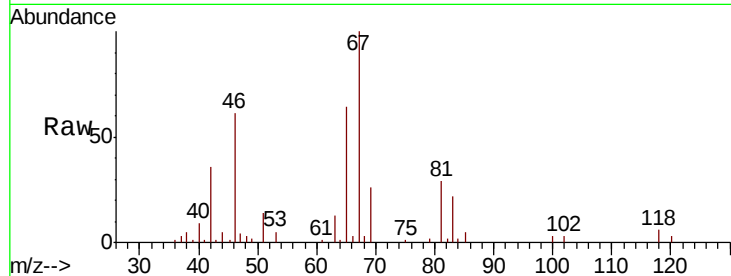




#37
 1,2-Dichloropropane
 Concen: 0.699 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041249.D
 Acq: 16 Nov 2020 15:43

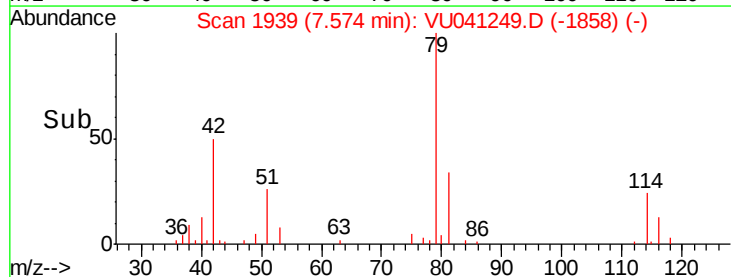
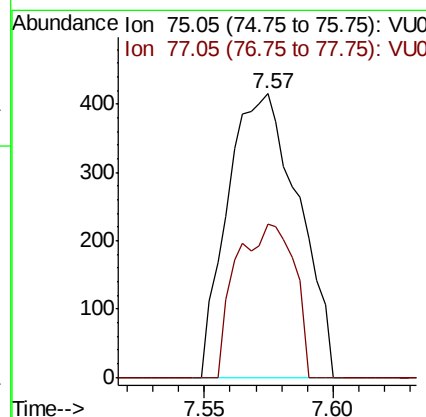
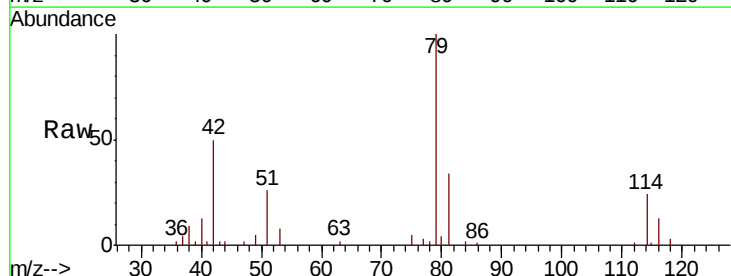
Instrument :
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 C0BW5

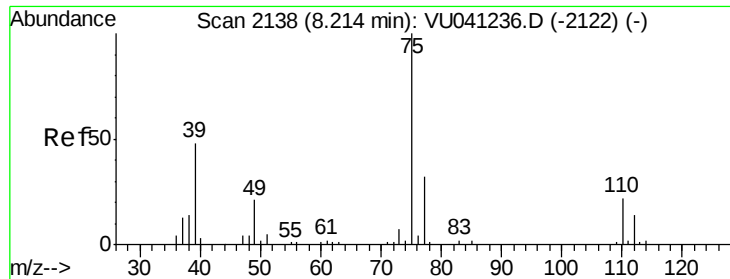
Tot Ion: 63 Resp: 3377
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.118 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041249.D
 Acq: 16 Nov 2020 15:43

Tgt Ion: 75 Resp: 794
 Ion Ratio Lower Upper
 75 100
 77 54.0 22.7 42.3#





#44

trans-1,3-Dichloropropene

Concen: 0.074 ug/L

RT: 8.18 min Scan# 2127

Delta R.T. -0.04 min

Lab File: VU041249.D

Acq: 16 Nov 2020 15:43

Instrument :

MSVOA_U

ClientSampleId :

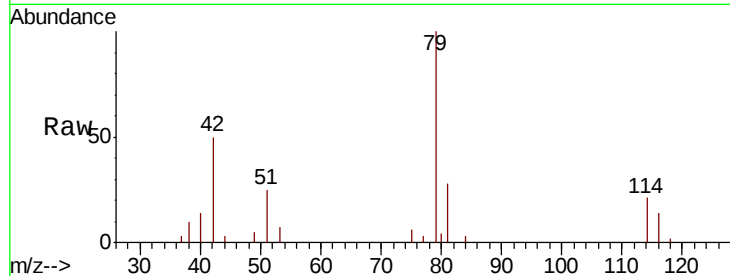
C0BW5

Tot Ion: 75 Resp: 471

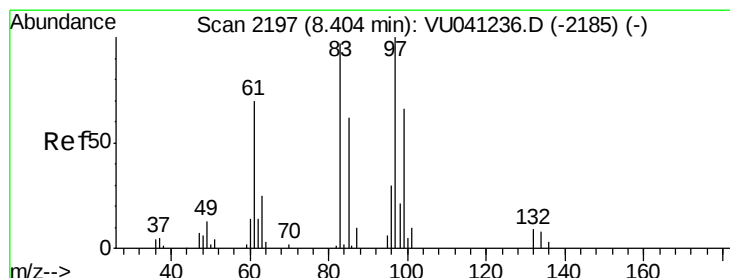
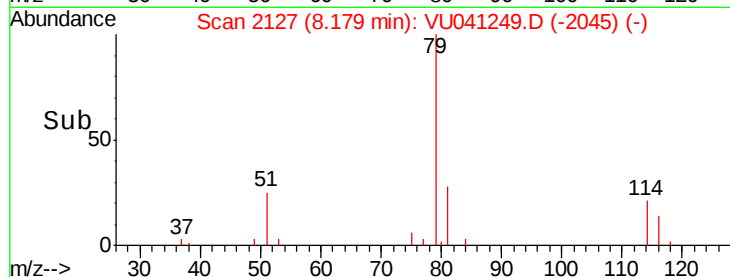
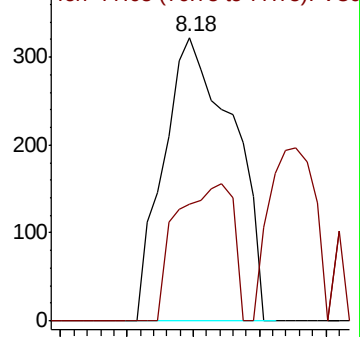
Ion Ratio Lower Upper

75 100

77 41.0 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041236.D (-2122) (-)



#45

1,1,2-Trichloroethane

Concen: 0.059 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.15 min

Lab File: VU041249.D

Acq: 16 Nov 2020 15:43

Tgt Ion: 97 Resp: 222

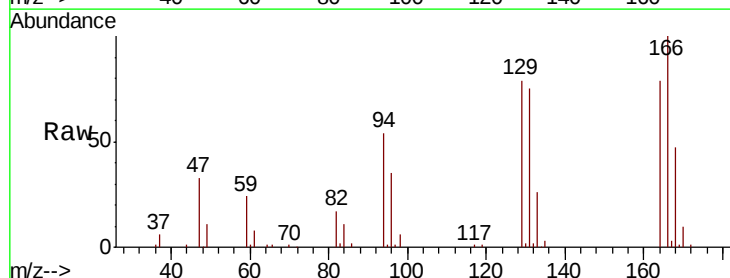
Ion Ratio Lower Upper

97 100

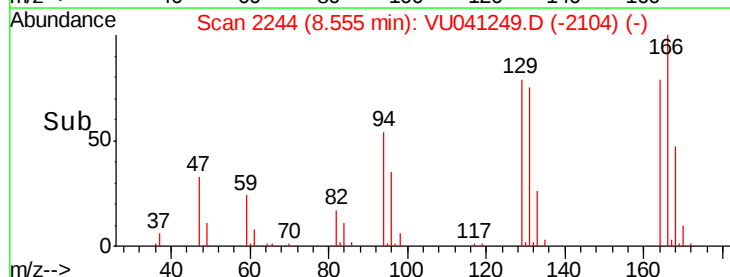
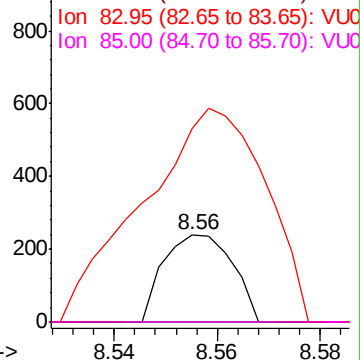
99 0.0 45.8 85.2#

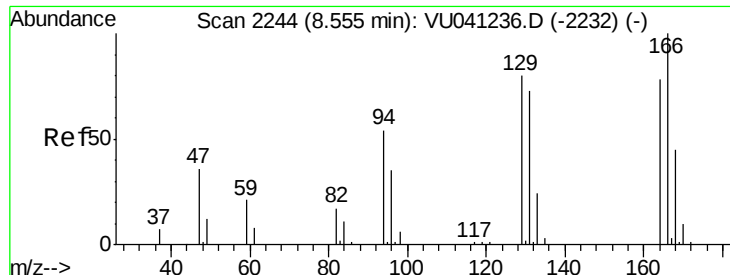
83 221.7 67.9 126.1#

85 0.0 42.8 79.6#



Abundance Ion 96.95 (96.65 to 97.65): VU041236.D (-2185) (-)





#47

Tetrachloroethene

Concen: 11.652 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041249.D

Acq: 16 Nov 2020 15:43

Instrument :

MSVOA_U

ClientSampleId :

C0BW5

Tot Ion:164 Resp: 38457

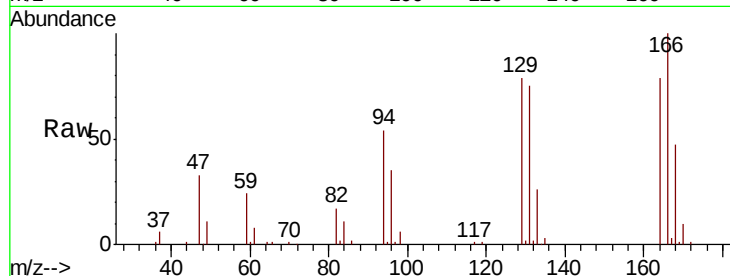
Ion Ratio Lower Upper

164 100

129 100.5 70.3 130.7

131 95.3 70.8 131.4

166 127.3 92.0 170.8

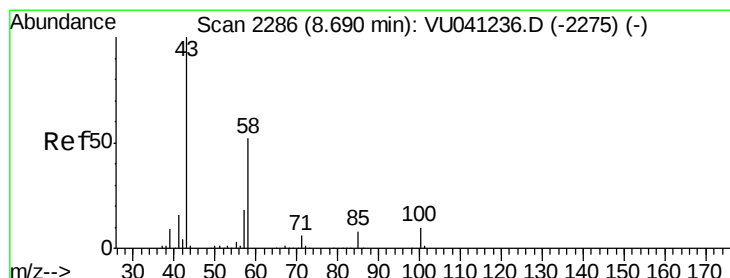
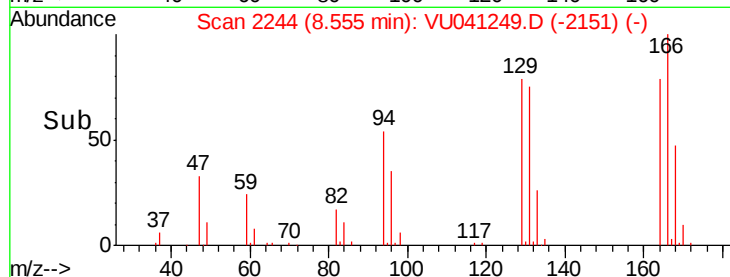
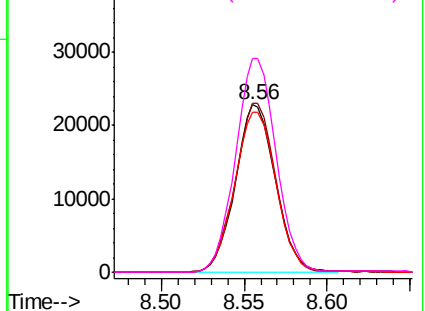


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.939 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041249.D

Acq: 16 Nov 2020 15:43

Tgt Ion: 43 Resp: 11753

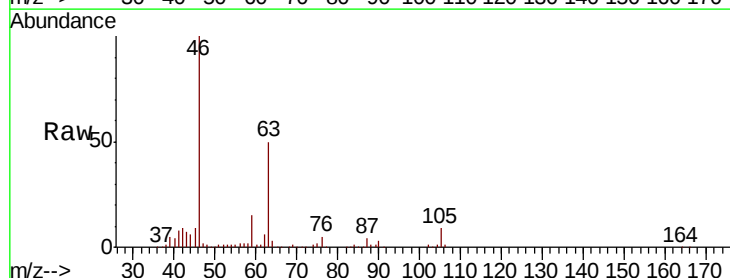
Ion Ratio Lower Upper

43 100

58 36.1 41.4 62.2#

57 27.7 14.6 21.8#

100 0.3 8.3 12.5#

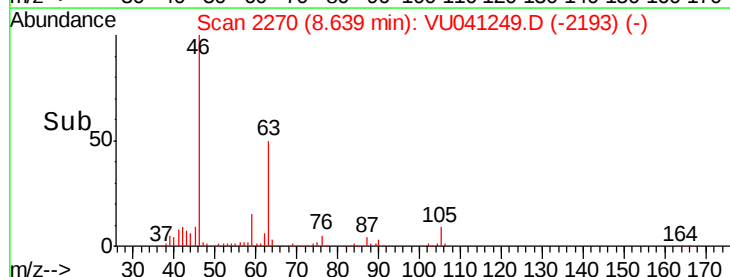
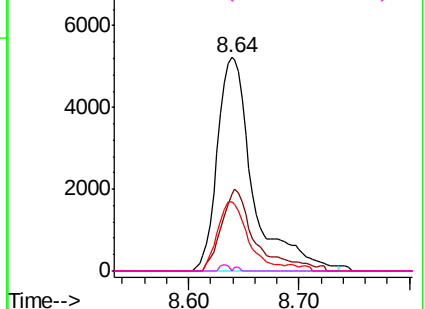


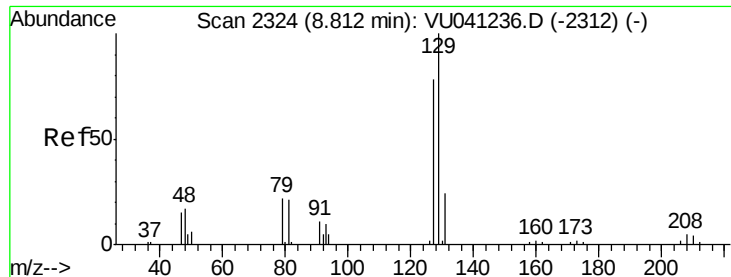
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 8.842 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041249.D

Acq: 16 Nov 2020 15:43

Instrument :

MSVOA_U

ClientSampleId :

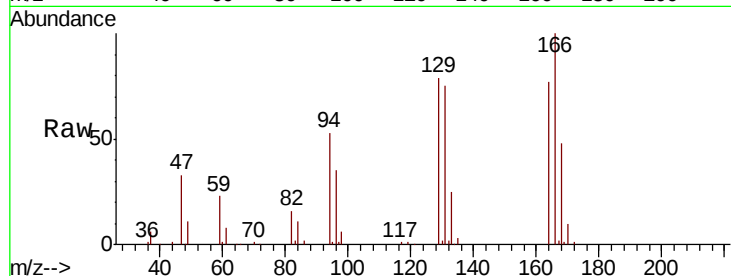
C0BW5

Tot Ion:129 Resp: 39142

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

25000

20000

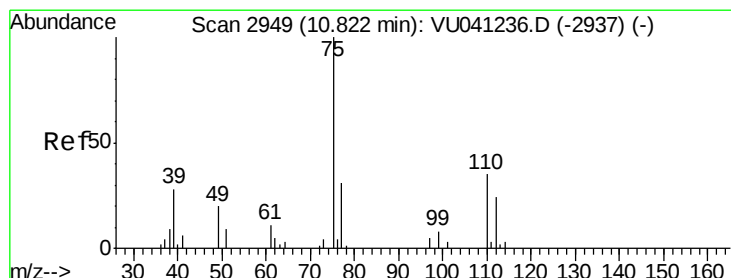
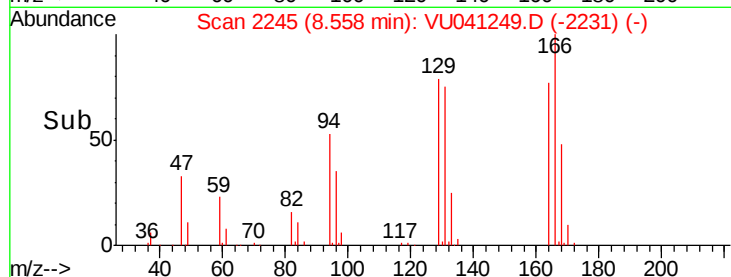
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#59

1,2,3-Trichloropropane

Concen: 0.908 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041249.D

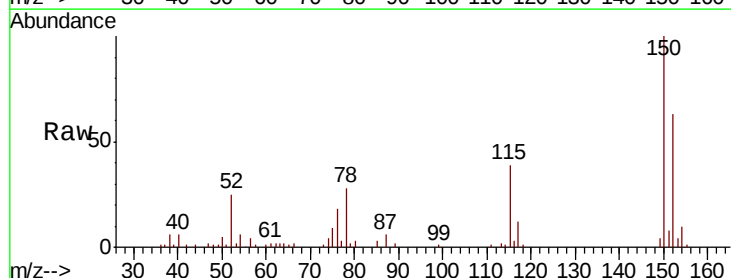
Acq: 16 Nov 2020 15:43

Tgt Ion: 75 Resp: 3460

Ion Ratio Lower Upper

75 100

77 35.0 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

2500

2000

1500

1000

500

0

Time--> 11.75 11.80 11.85

