

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041955.D
 Acq On : 12 Jan 2021 05:23
 Operator : SY/MD
 Sample : M1027-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXN6

Quant Time: Jan 12 05:54:38 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 05:50:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	110986	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	103351	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	41236	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	46250	4.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.80%
7) Chloroethane-d5	1.92	69	44625	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.00%
11) 1,1-Dichloroethene-d2	2.58	63	67818	3.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.40%
20) 2-Butanone-d5	4.66	46	178432	68.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	137.28%#
24) Chloroform-d	5.08	84	93652	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
26) 1,2-Dichloroethane-d4	5.72	65	55444	6.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	123.40%
32) Benzene-d6	5.74	84	177441	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.20%
36) 1,2-Dichloropropane-d6	6.70	67	52371	5.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.20%
41) Toluene-d8	7.90	98	126454	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	8.18	79	19921	4.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.60%
46) 2-Hexanone-d5	8.64	63	125122	61.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.54%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47261	5.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	42783	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	750	0.064	ug/L	85
8) Chloroethane	1.94	64	265	0.034	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	794	0.089	ug/L #	20
12) 1,1-Dichloroethene	2.58	96	597	0.069	ug/L #	1
13) Acetone	2.67	43	1828	1.083	ug/L	99
16) Methylene chloride	3.07	84	1515	0.139	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	2447	0.181	ug/L #	89
34) Trichloroethene	6.55	95	1439	0.165	ug/L	84
35) Methylcyclohexane	6.70	83	12242	0.953	ug/L #	18
37) 1,2-Dichloropropane	6.70	63	5855	0.705	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1282	0.105	ug/L #	60
44) trans-1,3-Dichloropropene	8.19	75	736	0.068	ug/L #	66
47) Tetrachloroethene	8.55	164	708	0.116	ug/L	93
48) 2-Hexanone	8.64	43	15968	4.108	ug/L #	67
49) Dibromochloromethane	8.56	129	793	0.102	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5425	0.894	ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jan 12 05:50:11 2021
Response via : Initial Calibration

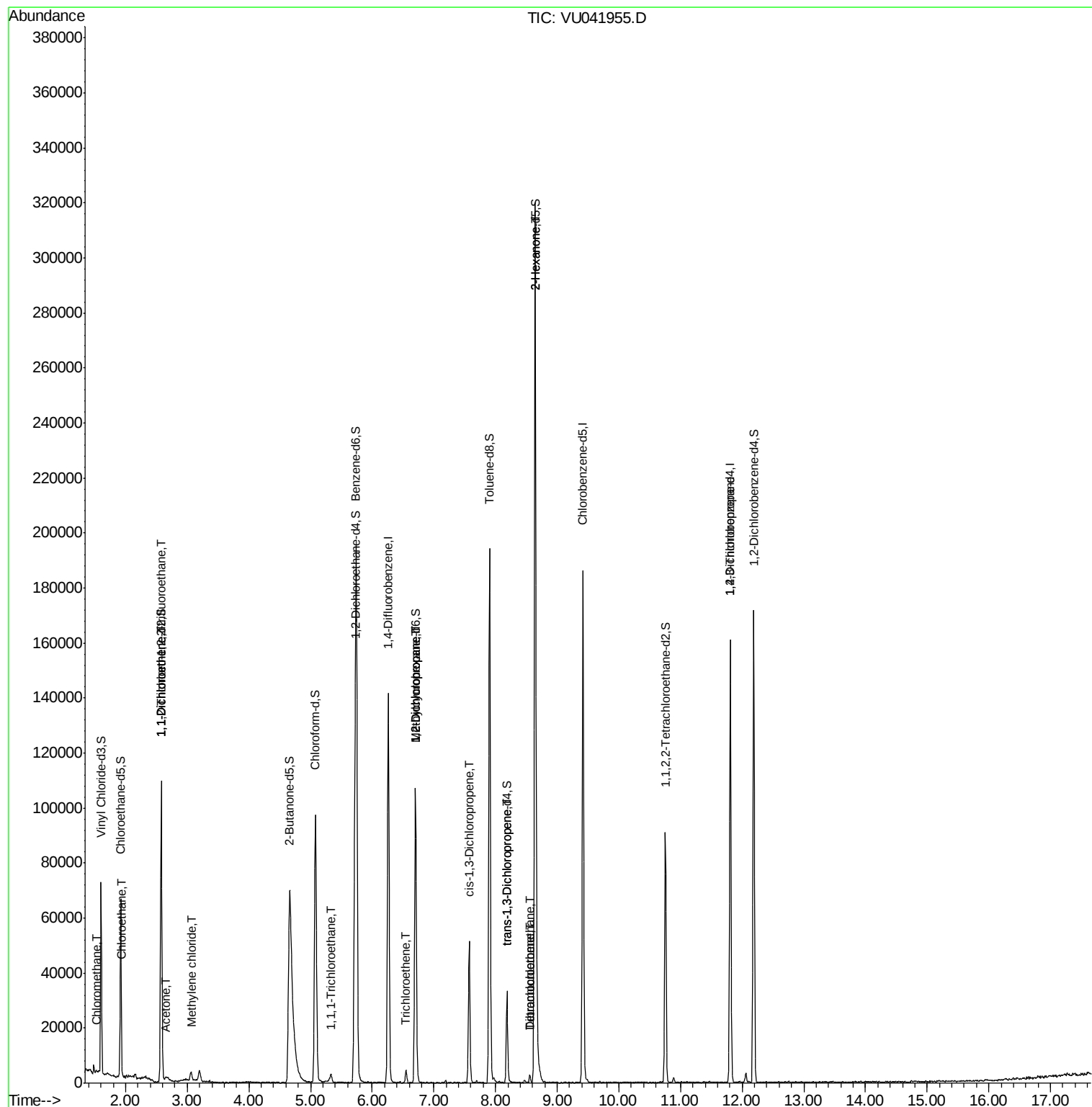
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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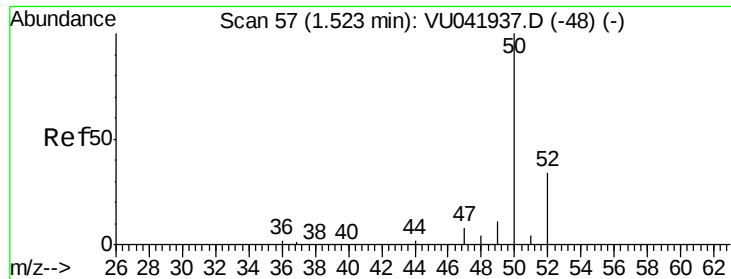
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.064 ug/L

RT: 1.52 min Scan# 56

Delta R.T. -0.00 min

Lab File: VU041955.D

Acq: 12 Jan 2021 05:23

Instrument :

MSVOA_U

ClientSampleId :

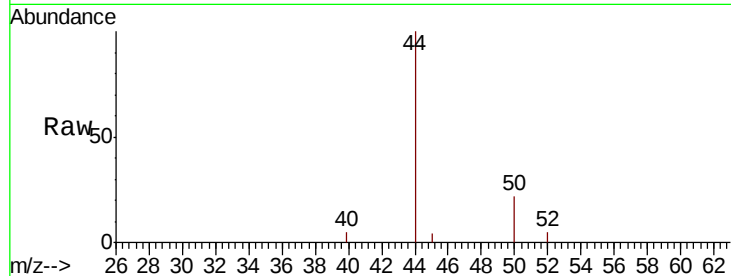
BFXN6

Tot Ion: 50 Resp: 750

Ion Ratio Lower Upper

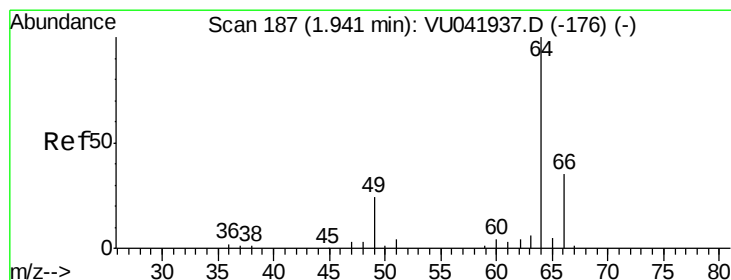
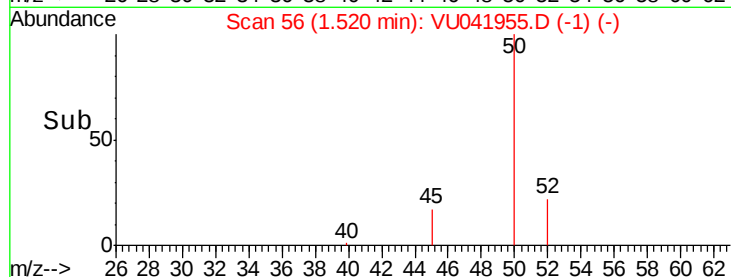
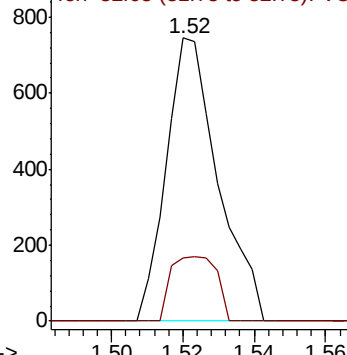
50 100

52 22.3 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.034 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU041955.D

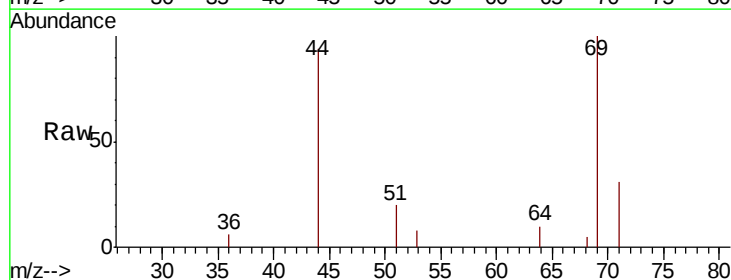
Acq: 12 Jan 2021 05:23

Tgt Ion: 64 Resp: 265

Ion Ratio Lower Upper

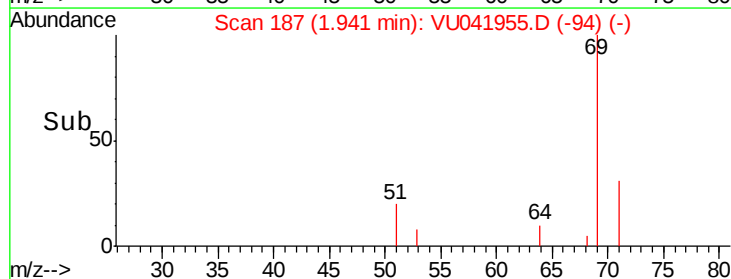
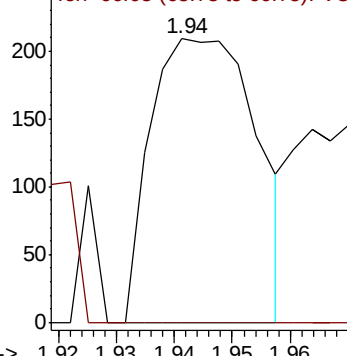
64 100

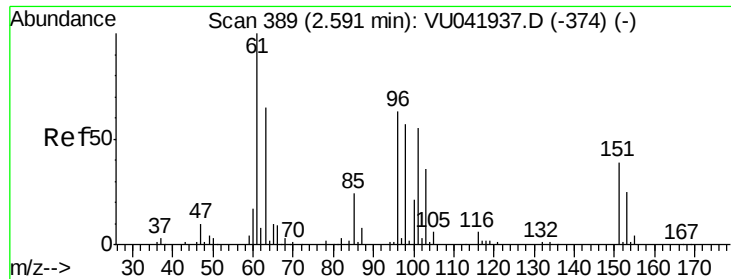
66 0.0 22.1 41.1#



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: 0.089 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041955.D

Acq: 12 Jan 2021 05:23

Instrument :

MSVOA_U

ClientSampleId :

BFXN6

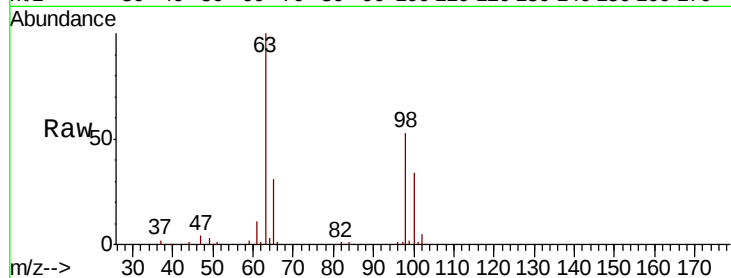
Tot Ion:101 Resp: 794

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

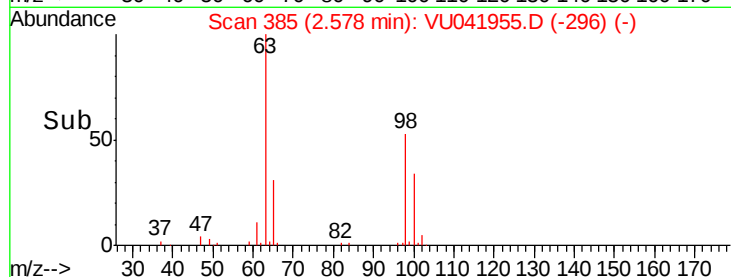
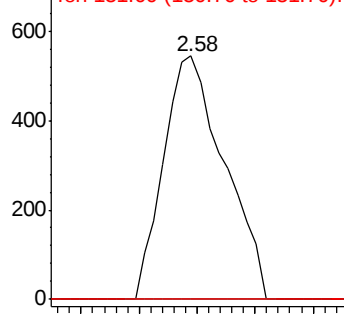
151 0.0 58.2 87.2#



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



#12

1,1-Dichloroethene

Concen: 0.069 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041955.D

Acq: 12 Jan 2021 05:23

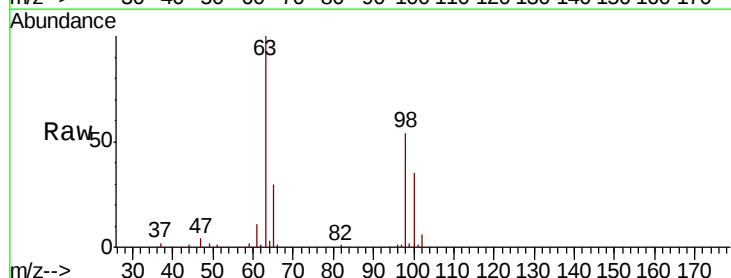
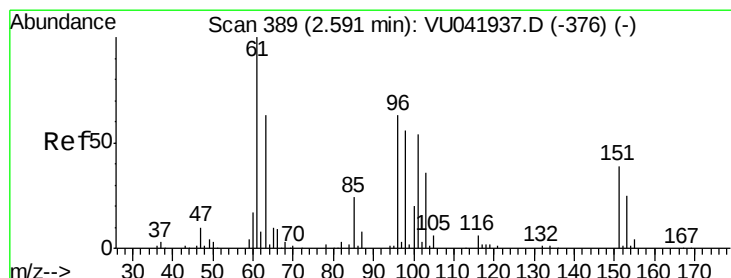
Tgt Ion: 96 Resp: 597

Ion Ratio Lower Upper

96 100

61 1040.0 123.5 229.4#

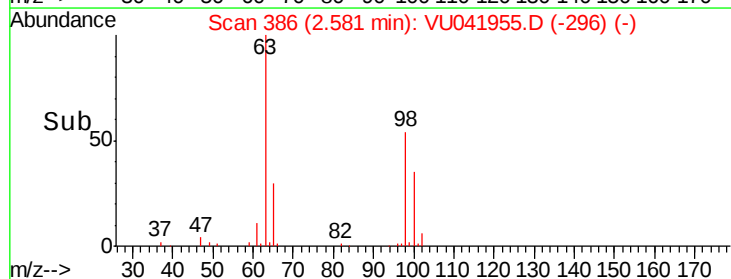
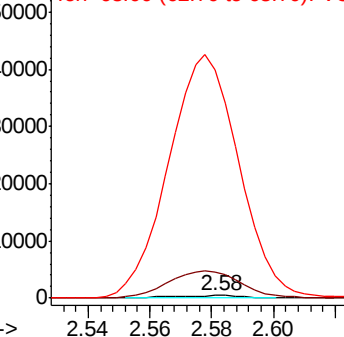
63 9144.2 93.5 173.7#

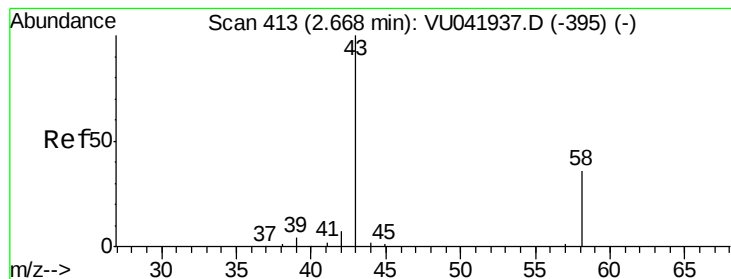


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.083 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU041955.D

Acq: 12 Jan 2021 05:23

Instrument :

MSVOA_U

ClientSampled :

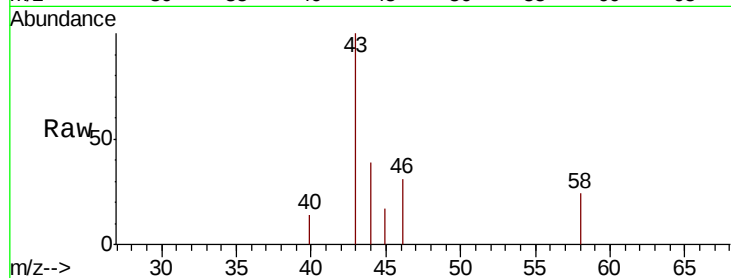
BFXN6

Tot Ion: 43 Resp: 1828

Ion Ratio Lower Upper

43 100

58 12.1 0.0 23.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.67

1000

800

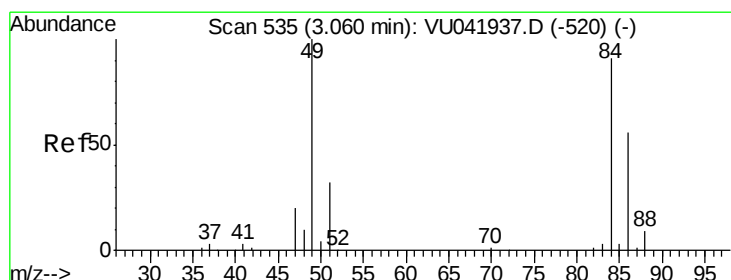
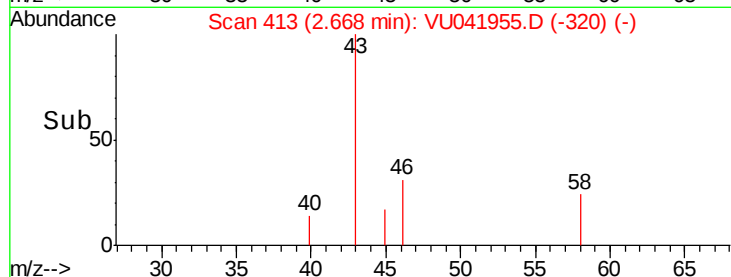
600

400

200

0

Time-->



#16

Methylene chloride

Concen: 0.139 ug/L

RT: 3.07 min Scan# 537

Delta R.T. 0.01 min

Lab File: VU041955.D

Acq: 12 Jan 2021 05:23

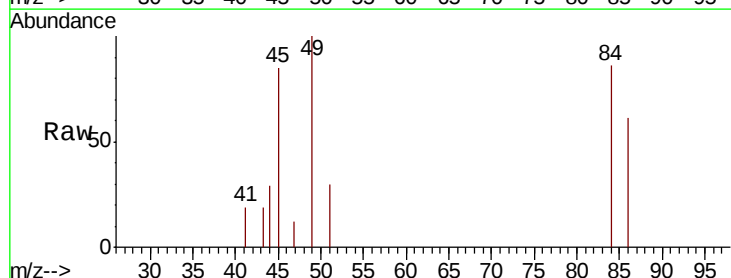
Tgt Ion: 84 Resp: 1515

Ion Ratio Lower Upper

84 100

86 70.2 43.5 80.7

49 115.8 81.8 151.8



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

1000

800

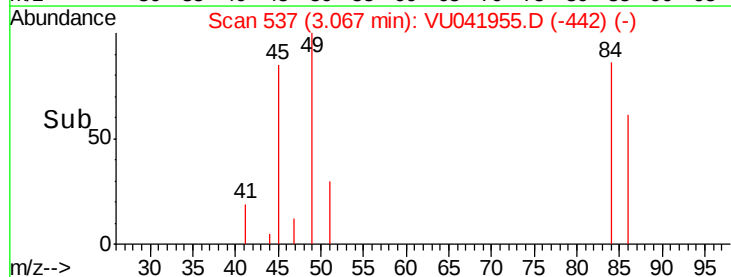
600

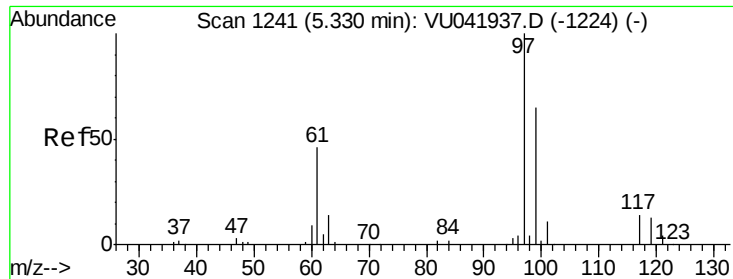
400

200

0

Time-->

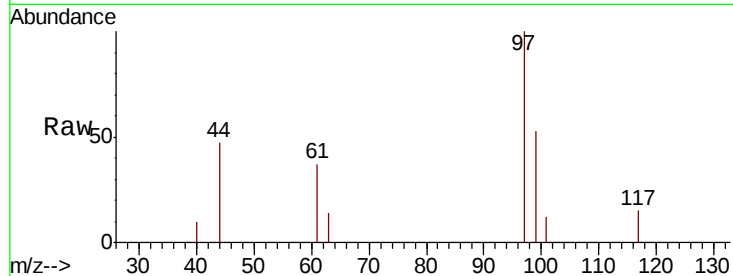




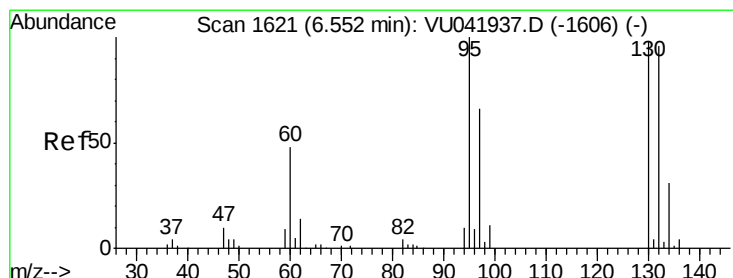
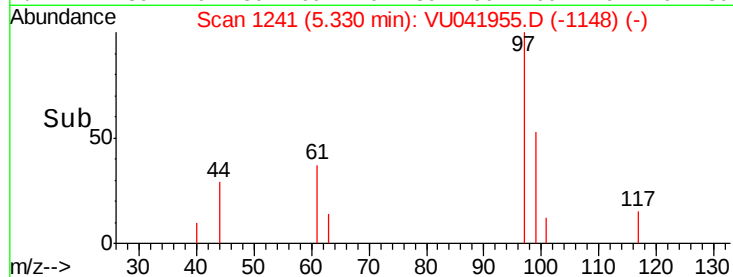
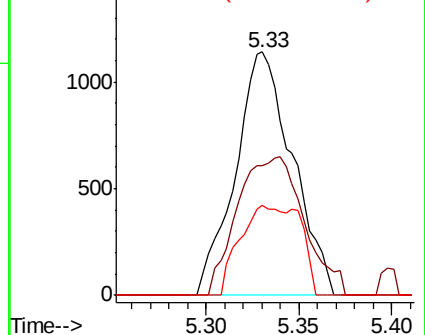
#29
 1,1,1-Trichloroethane
 Concen: 0.181 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041955.D
 Acq: 12 Jan 2021 05:23

Instrument :
 MSVOA_U
 ClientSampled :
 BFXN6

Tot Ion: 97 Resp: 2447
 Ion Ratio Lower Upper
 97 100
 99 66.6 51.4 77.2
 61 29.0 35.3 52.9#

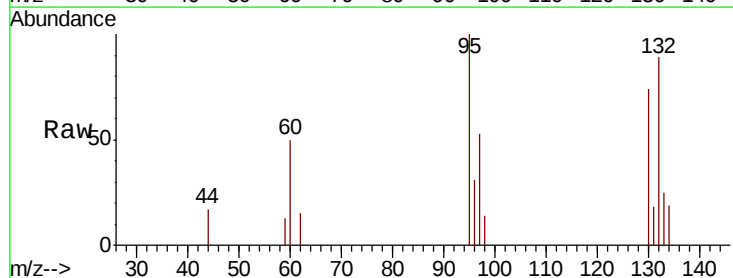


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

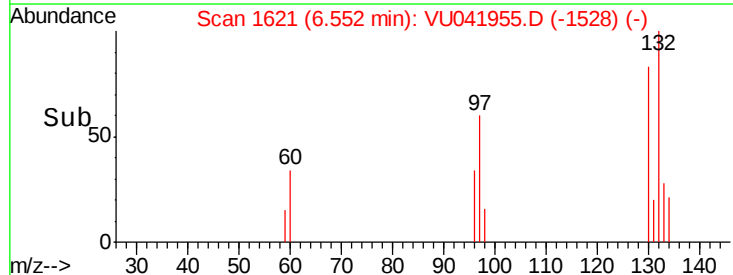
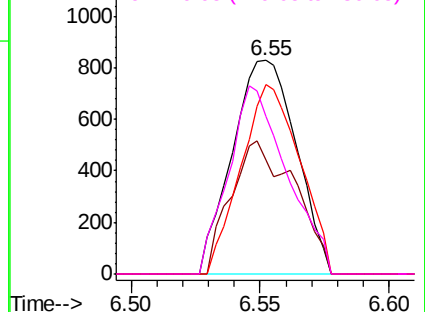


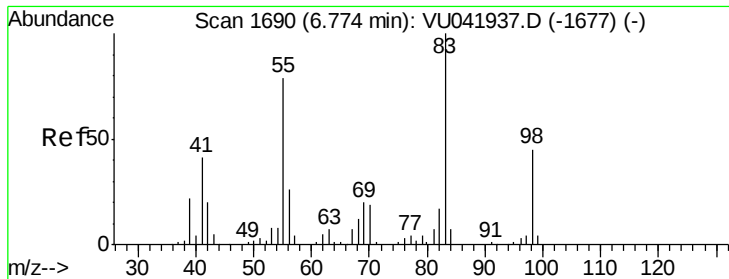
#34
 Trichloroethene
 Concen: 0.165 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041955.D
 Acq: 12 Jan 2021 05:23

Tgt Ion: 95 Resp: 1439
 Ion Ratio Lower Upper
 95 100
 97 53.1 45.2 84.0
 132 88.5 68.7 127.5
 130 73.7 68.0 126.4



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

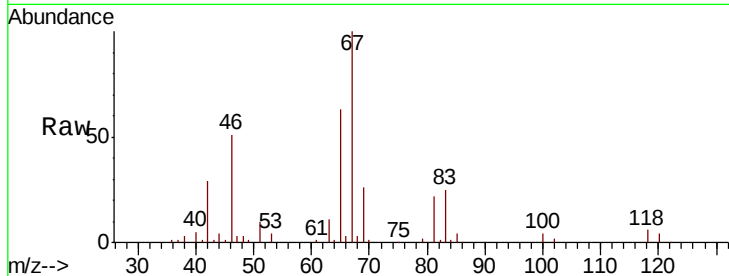




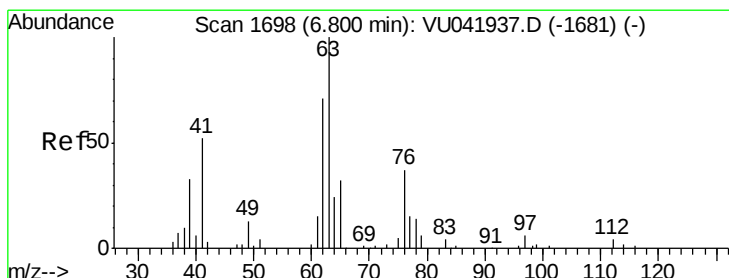
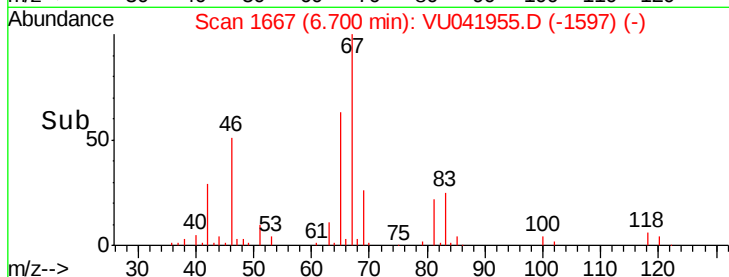
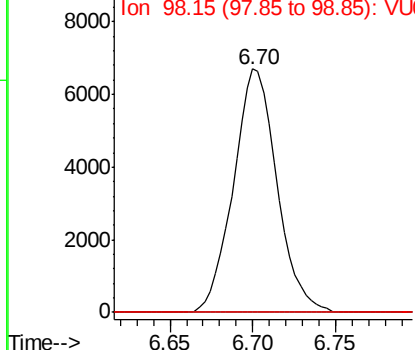
#35
Methylcyclohexane
Concen: 0.953 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041955.D
Acq: 12 Jan 2021 05:23

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Tot Ion	83.15	Resp	12242
Ion	Ratio	Lower	Upper
83	100		
55	0.0	64.3	96.5#
98	2.3	36.6	54.8#

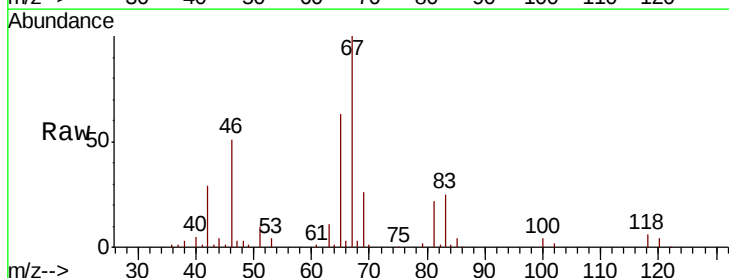


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

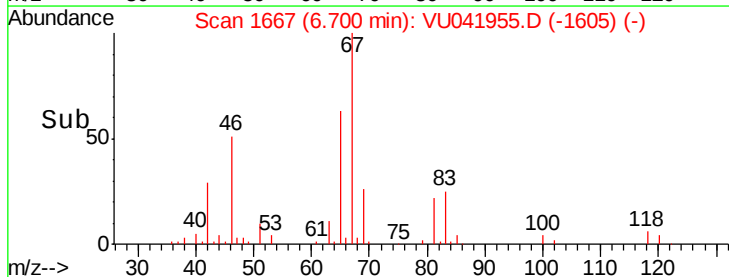
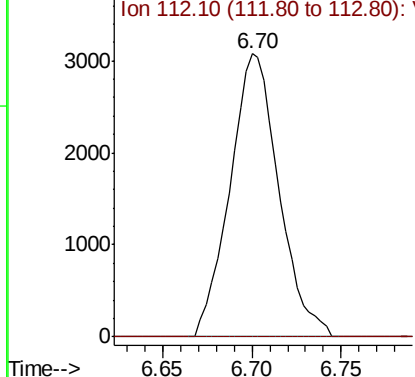


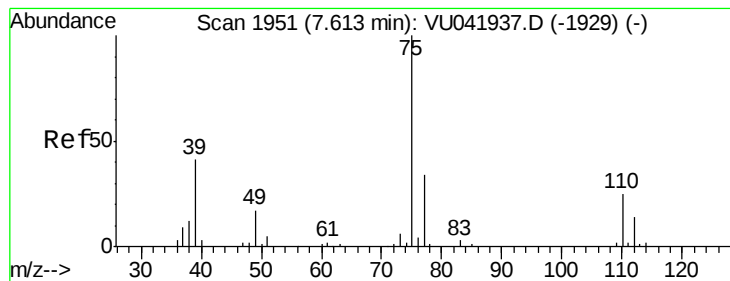
#37
1,2-Dichloropropane
Concen: 0.705 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041955.D
Acq: 12 Jan 2021 05:23

Tgt Ion	63	Resp	5855
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.3	4.9#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.105 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU041955.D

Acq: 12 Jan 2021 05:23

Instrument :

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ClientSampleId :

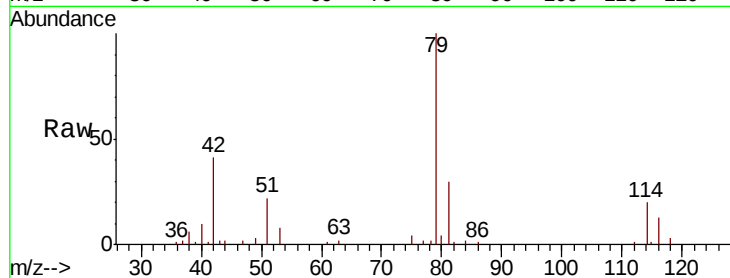
BFXN6

Tot Ion: 75 Resp: 1282

Ion Ratio Lower Upper

75 100

77 52.6 21.5 39.9#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.57

800

600

400

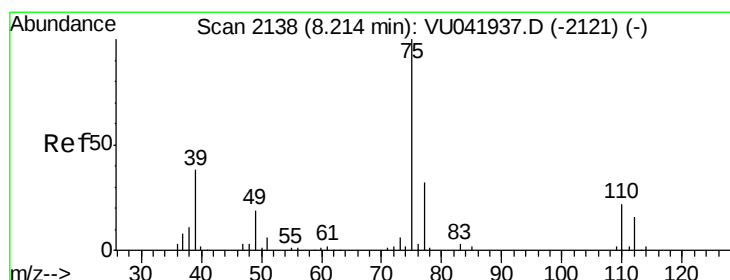
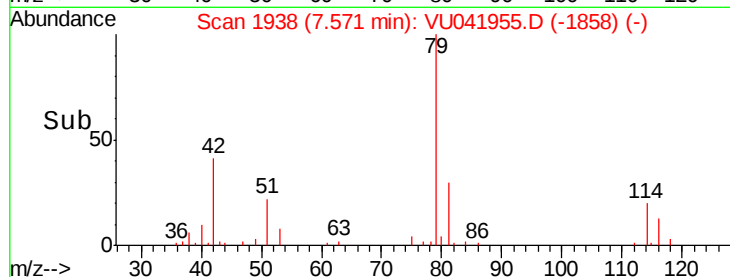
200

0

7.55

7.60

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.068 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041955.D

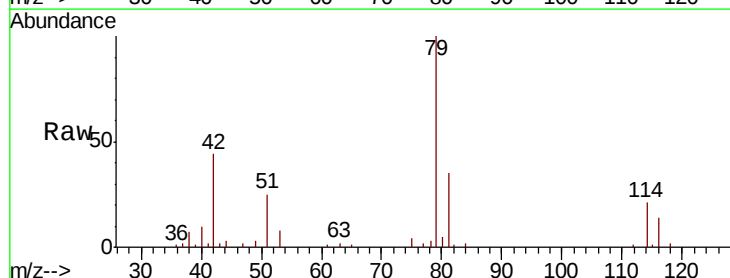
Acq: 12 Jan 2021 05:23

Tgt Ion: 75 Resp: 736

Ion Ratio Lower Upper

75 100

77 53.2 23.7 44.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

500

400

300

200

100

0

8.14

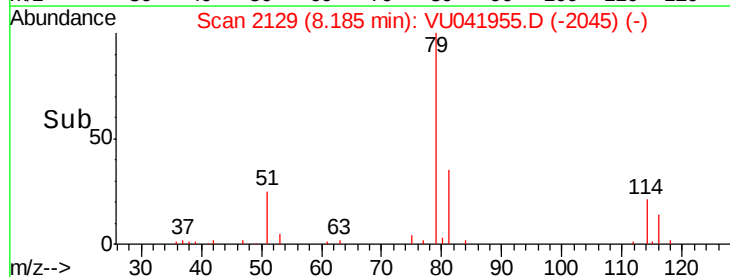
8.16

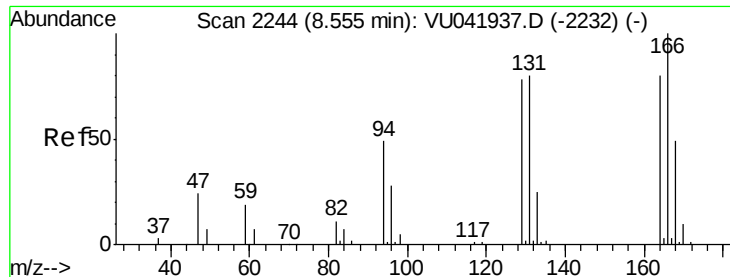
8.18

8.20

8.22

Time-->





#47

Tetrachloroethene

Concen: 0.116 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. -0.00 min

Lab File: VU041955.D

Acq: 12 Jan 2021 05:23

Instrument :

MSVOA_U

ClientSampleId :

BFXN6

Tot Ion:164 Resp: 708

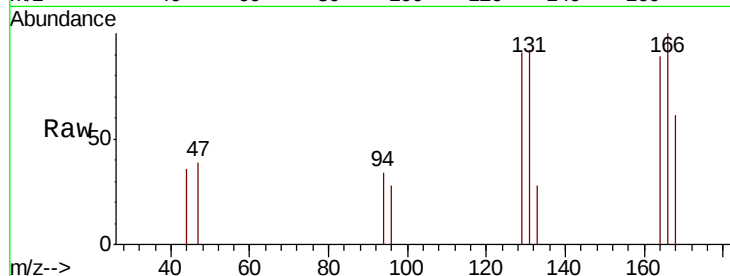
Ion Ratio Lower Upper

164 100

129 102.4 69.2 128.6

131 103.3 69.7 129.5

166 112.0 89.2 165.8

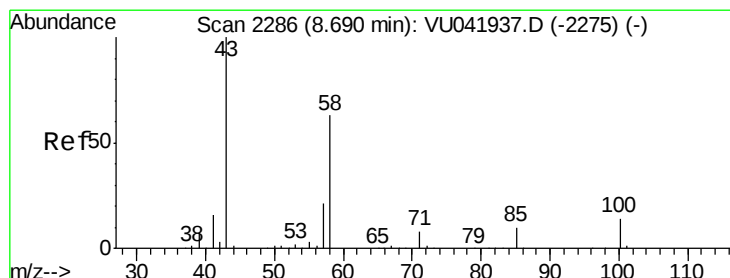
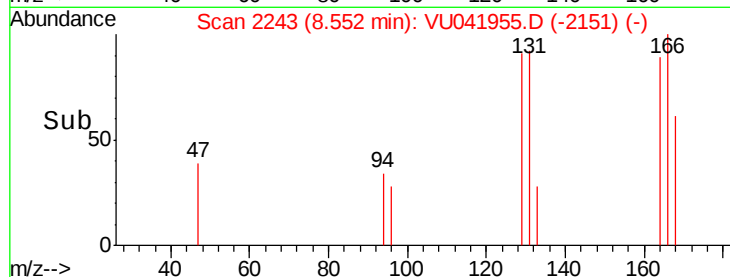
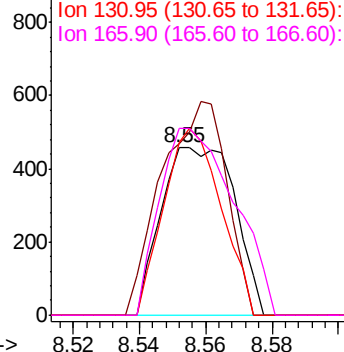


Abundance Ion 163.90 (163.60 to 164.60): V

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: 4.108 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU041955.D

Acq: 12 Jan 2021 05:23

Tgt Ion: 43 Resp: 15968

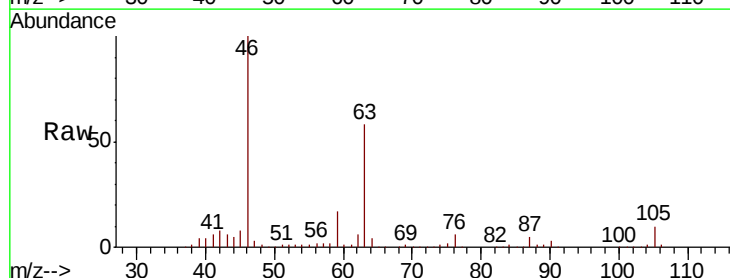
Ion Ratio Lower Upper

43 100

58 29.0 47.6 71.4#

57 27.4 17.1 25.7#

100 1.4 10.4 15.6#

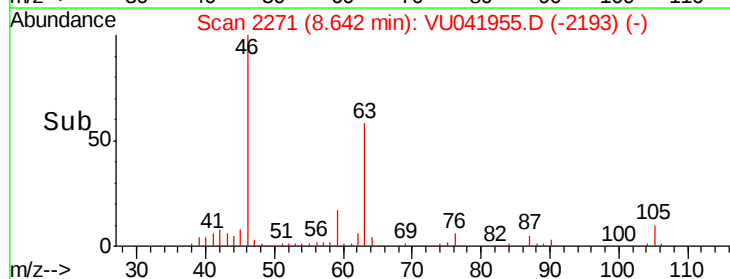
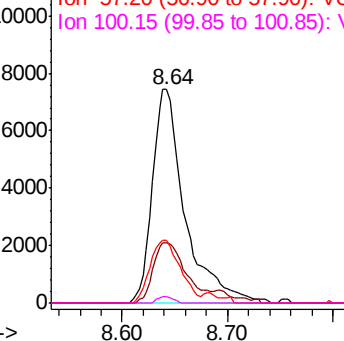


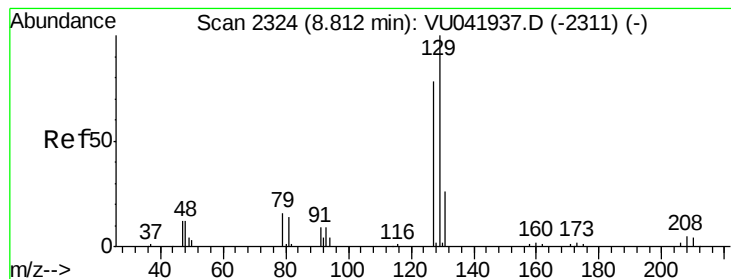
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.102 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041955.D

Acq: 12 Jan 2021 05:23

Instrument :

MSVOA_U

ClientSampled :

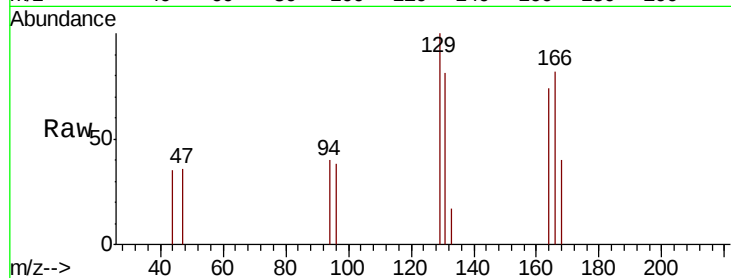
BFXN6

Tot Ion:129 Resp: 793

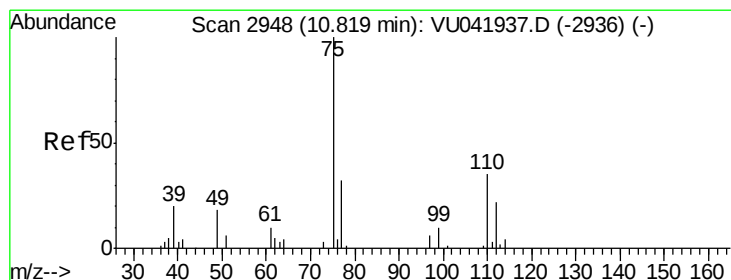
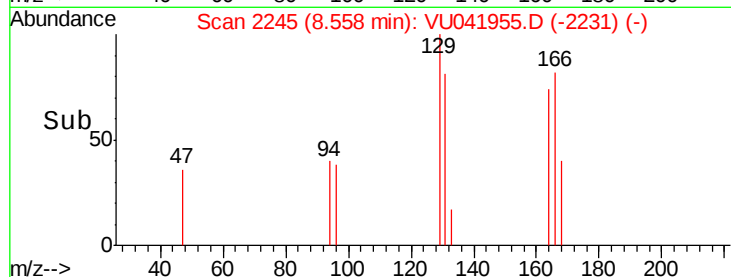
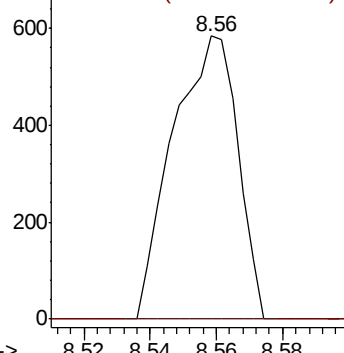
Ion Ratio Lower Upper

129 100

127 0.0 54.9 101.9#



Abundance Ion 128.95 (128.65 to 129.65): V



#59

1,2,3-Trichloropropane

Concen: 0.894 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041955.D

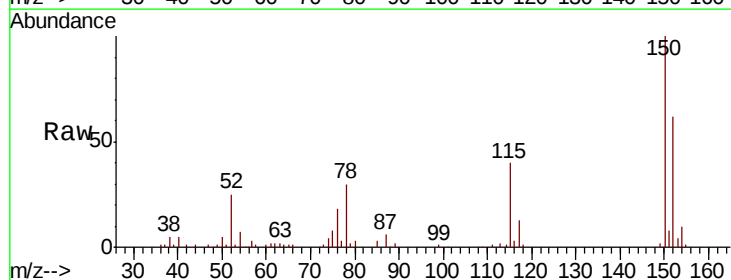
Acq: 12 Jan 2021 05:23

Tgt Ion: 75 Resp: 5425

Ion Ratio Lower Upper

75 100

77 35.1 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

