

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041959.D
 Acq On : 12 Jan 2021 06:59
 Operator : SY/MD
 Sample : M1065-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXQ7

Quant Time: Jan 12 07:35:13 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	117055	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	106912	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	41179	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	45090	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.92	69	43323	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.58	63	63943	3.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.40%
20) 2-Butanone-d5	4.65	46	167698	61.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.32%
24) Chloroform-d	5.08	84	86962	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.72	65	50109	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	5.74	84	176800	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
36) 1,2-Dichloropropane-d6	6.70	67	54324	5.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.40%
41) Toluene-d8	7.90	98	133353	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	8.18	79	20995	5.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.40%
46) 2-Hexanone-d5	8.64	63	132232	63.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.20%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46684	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	47023	6.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.80%#

Target Compounds

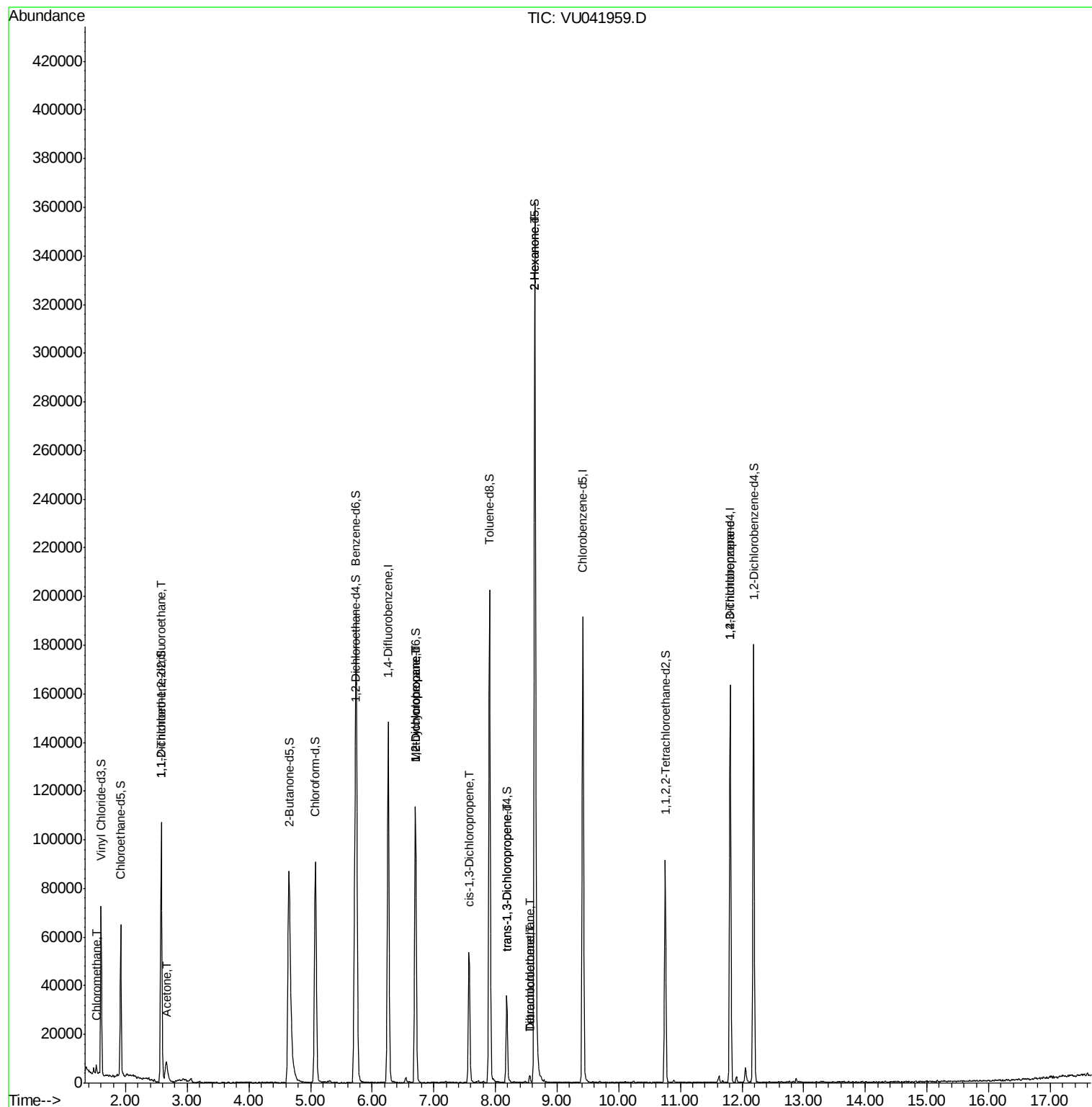
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	2286	0.186	ug/L #	83
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	454	0.048	ug/L #	20
13) Acetone	2.66	43	16753	9.408	ug/L #	49
35) Methylcyclohexane	6.70	83	12663	0.952	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	5860	0.682	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1368	0.108	ug/L #	70
44) trans-1,3-Dichloropropene	8.19	75	837	0.075	ug/L	88
47) Tetrachloroethene	8.56	164	487	0.077	ug/L	85
48) 2-Hexanone	8.64	43	15690	3.902	ug/L #	68
49) Dibromochloromethane	8.55	129	552	0.069	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5182	0.826	ug/L	90

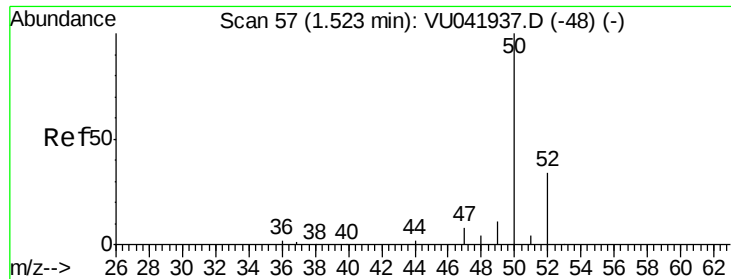
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.186 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041959.D

Acq: 12 Jan 2021 06:59

Instrument :

MSVOA_U

ClientSampleId :

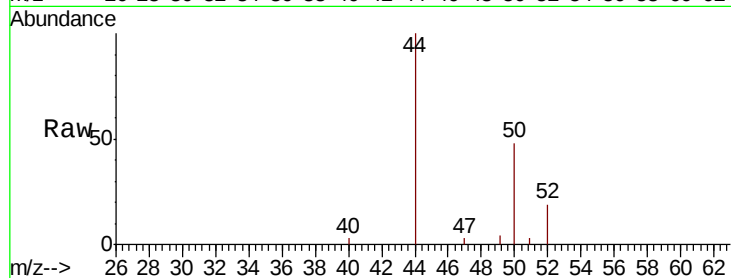
BFXQ7

Tot Ion: 50 Resp: 2286

Ion Ratio Lower Upper

50 100

52 39.9 21.4 39.8#



Abundance Ion 50.05 (49.75 to 50.75): VU041937.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU041937.D (-48) (-)

1.52

2000

1500

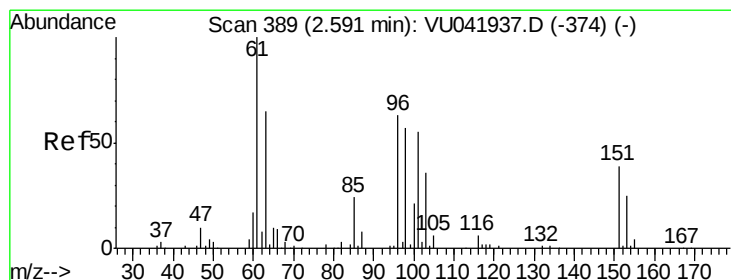
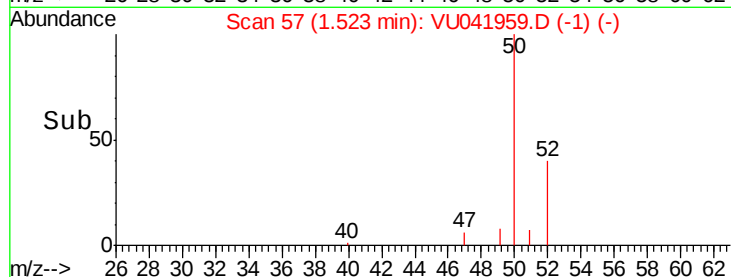
1000

500

0

1.48 1.50 1.52 1.54 1.56

Time-->



#10

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

Concen: 0.048 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041959.D

Acq: 12 Jan 2021 06:59

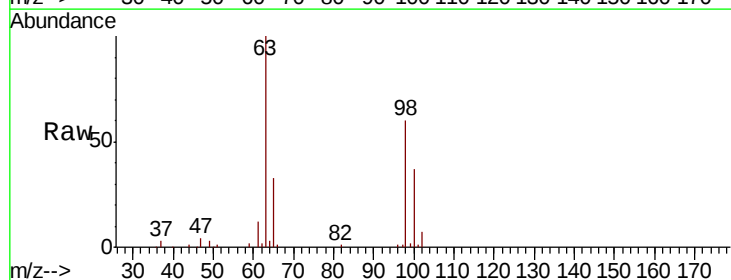
Tgt Ion: 101 Resp: 454

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): VU041937.D (-374) (-)

Ion 85.00 (84.70 to 85.70): VU041937.D (-374) (-)

Ion 151.00 (150.70 to 151.70): VU041937.D (-374) (-)

2.58

400

300

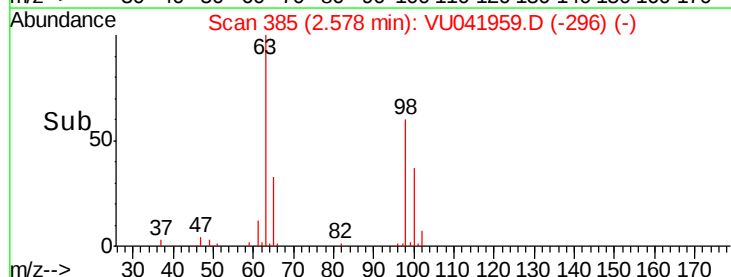
200

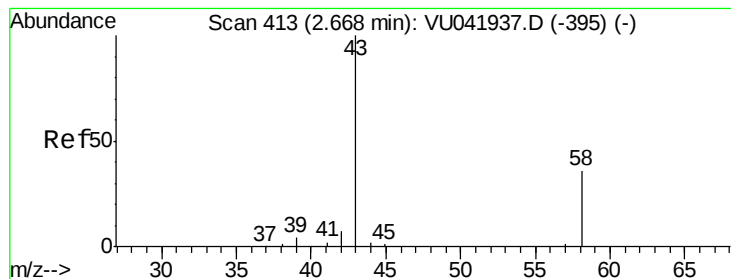
100

0

2.54 2.56 2.58 2.60

Time-->





#13

Acetone

Concen: 9.408 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.01 min

Lab File: VU041959.D

Acq: 12 Jan 2021 06:59

Instrument :

MSVOA_U

ClientSampleId :

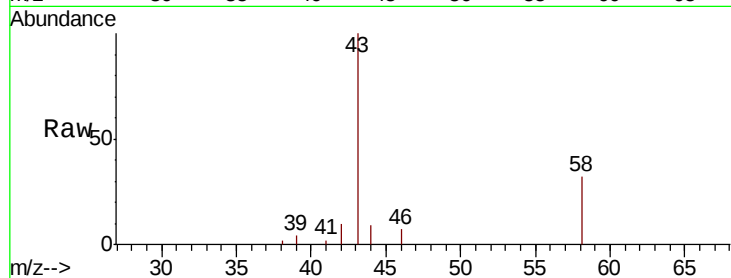
BFXQ7

Tot Ion: 43 Resp: 16753

Ion Ratio Lower Upper

43 100

58 31.7 0.0 23.6#



Abundance Ion 43.05 (42.75 to 43.75): VU041937.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041937.D (-395) (-)

6000

5000

4000

3000

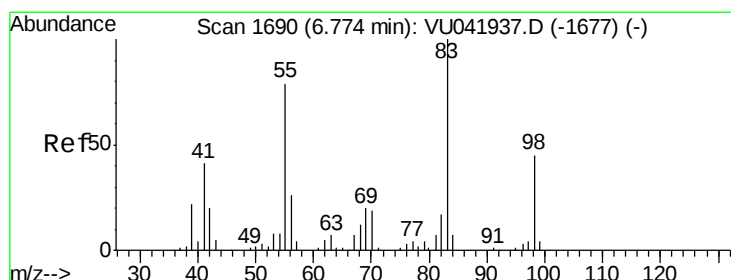
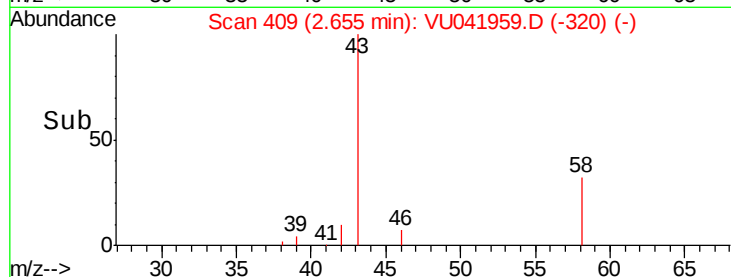
2000

1000

0

2.55 2.60 2.65 2.70 2.75

Time-->



#35

Methylcyclohexane

Concen: 0.952 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041959.D

Acq: 12 Jan 2021 06:59

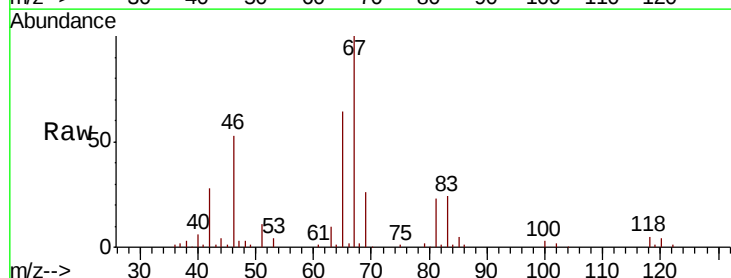
Tgt Ion: 83 Resp: 12663

Ion Ratio Lower Upper

83 100

55 0.0 64.3 96.5#

98 0.6 36.6 54.8#



Abundance Ion 83.15 (82.85 to 83.85): VU041937.D (-1677) (-)

Ion 55.10 (54.80 to 55.80): VU041937.D (-1677) (-)

Ion 98.15 (97.85 to 98.85): VU041937.D (-1677) (-)

8000

6000

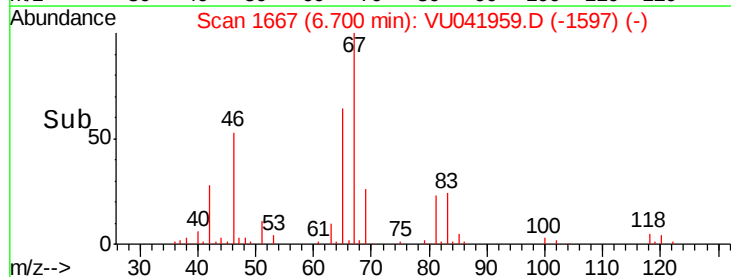
4000

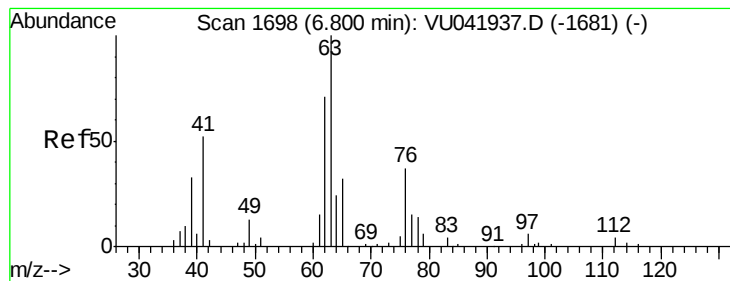
2000

0

6.65 6.70 6.75

Time-->





#37

1,2-Dichloropropane

Concen: 0.682 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041959.D

Acq: 12 Jan 2021 06:59

Instrument :

MSVOA_U

ClientSampleId :

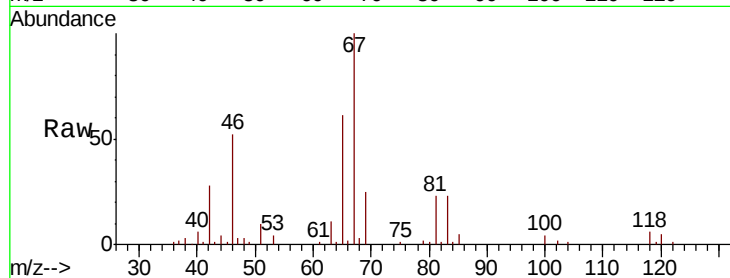
BFXQ7

Tot Ion: 63 Resp: 5860

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



Abundance Ion 63.10 (62.80 to 63.80): VU041937.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU041937.D (-1681) (-)

6.70

3000

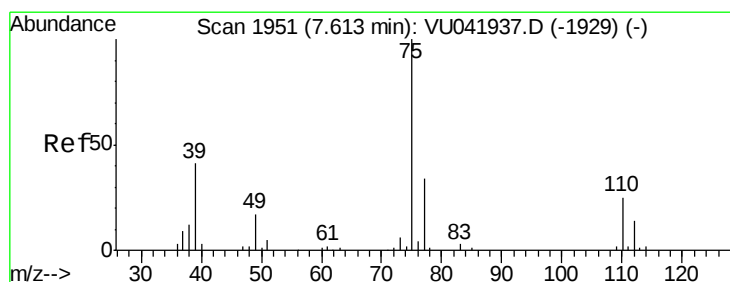
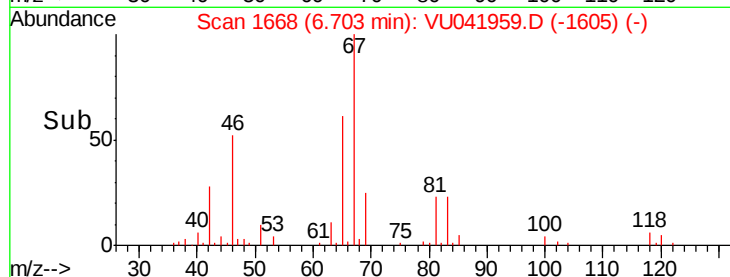
2000

1000

0

6.65 6.70 6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.108 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU041959.D

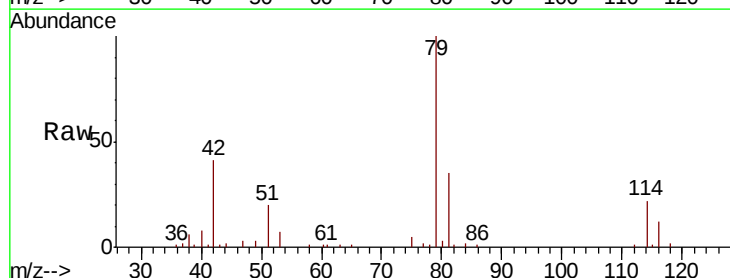
Acq: 12 Jan 2021 06:59

Tgt Ion: 75 Resp: 1368

Ion Ratio Lower Upper

75 100

77 47.1 21.5 39.9#



Abundance Ion 75.05 (74.75 to 75.75): VU041937.D (-1929) (-)

Ion 77.05 (76.75 to 77.75): VU041937.D (-1929) (-)

7.57

1000

800

600

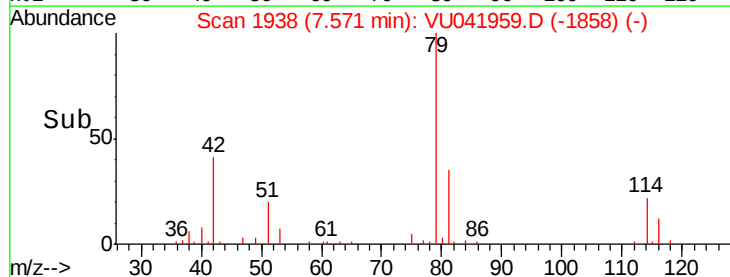
400

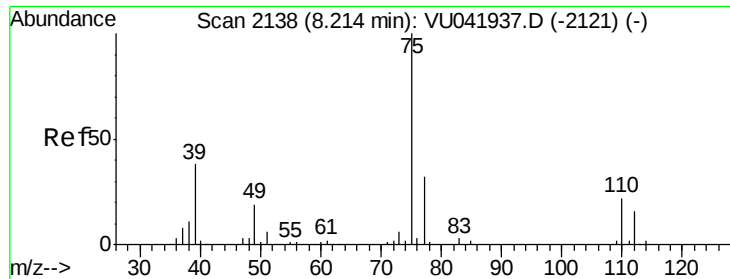
200

0

7.55 7.60

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041959.D

Acq: 12 Jan 2021 06:59

Instrument :

MSVOA_U

ClientSampleId :

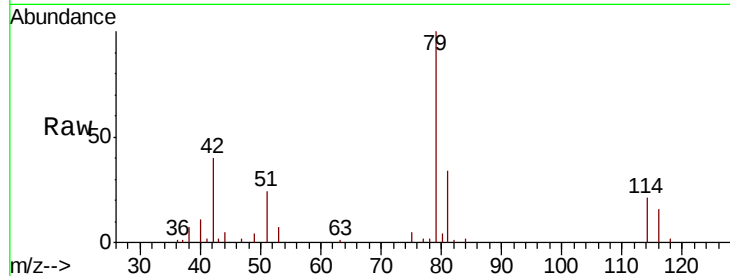
BFXQ7

Tot Ion: 75 Resp: 837

Ion Ratio Lower Upper

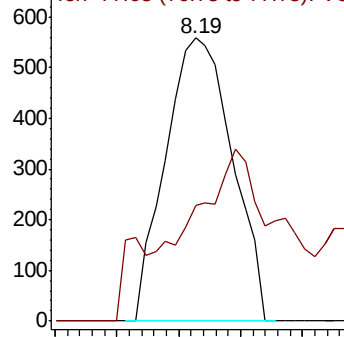
75 100

77 41.0 23.7 44.1

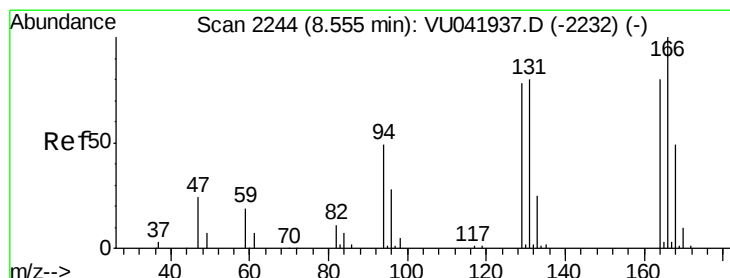
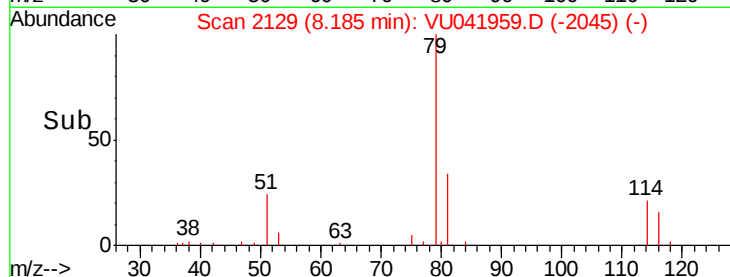


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



Time--> 8.14 8.16 8.18 8.20 8.22



#47

Tetrachloroethene

Concen: 0.077 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041959.D

Acq: 12 Jan 2021 06:59

Tgt Ion:164 Resp: 487

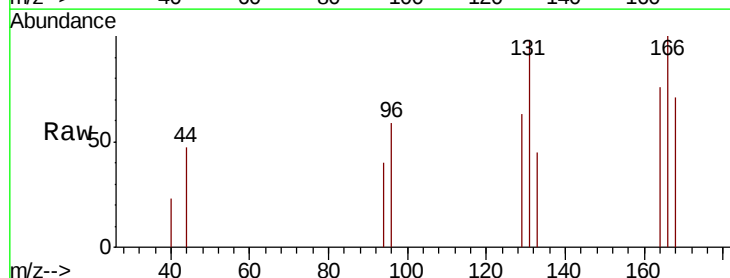
Ion Ratio Lower Upper

164 100

129 83.5 69.2 128.6

131 129.2 69.7 129.5

166 131.6 89.2 165.8

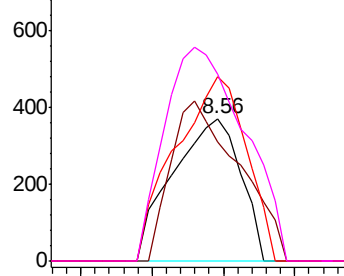


Abundance Ion 163.90 (163.60 to 164.60): V

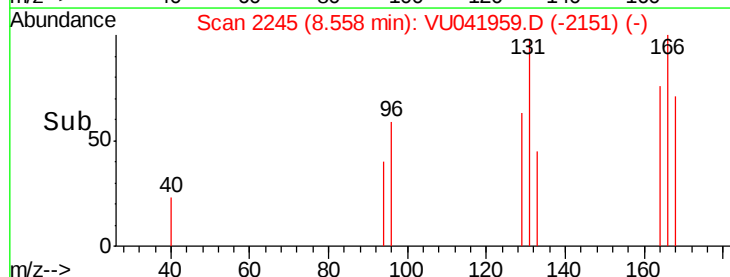
Ion 128.95 (128.65 to 129.65): V

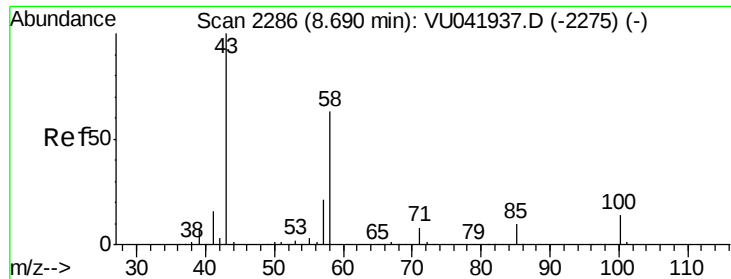
Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



Time--> 8.52 8.54 8.56 8.58

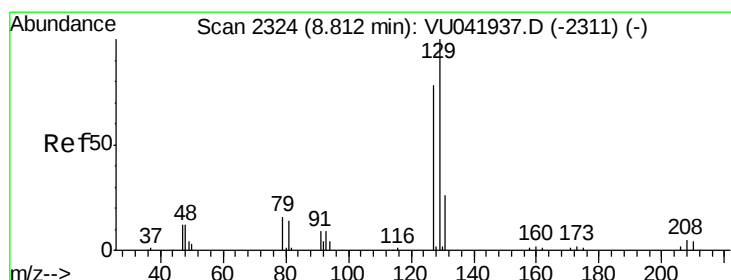
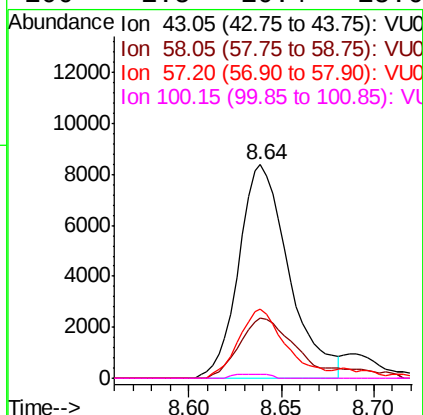
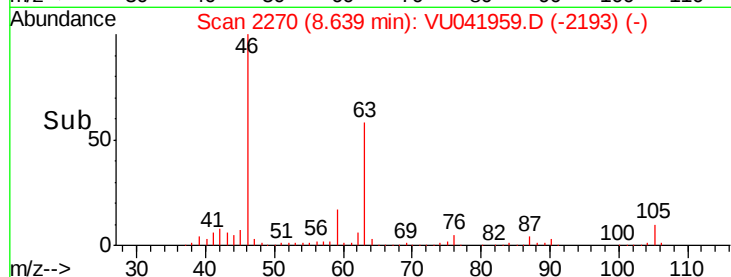
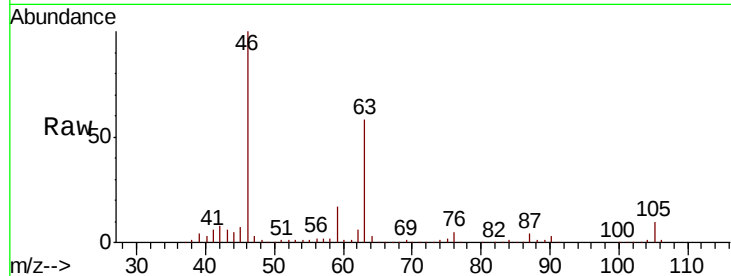




#48
2-Hexanone
Concen: 3.902 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041959.D
Acq: 12 Jan 2021 06:59

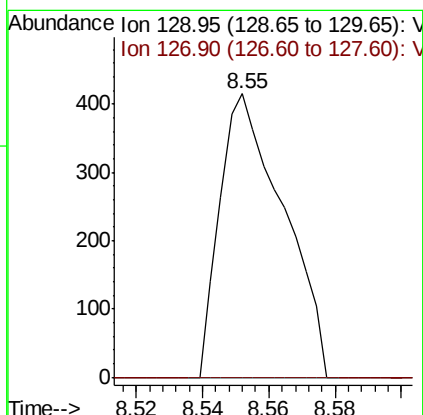
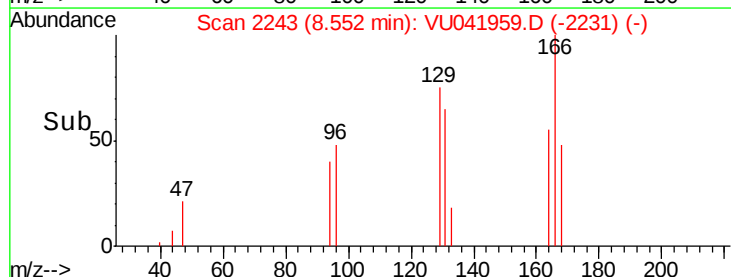
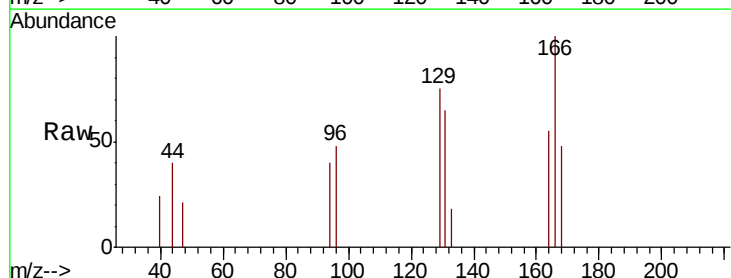
Instrument :
MSVOA_U
ClientSampleId :
BFXQ7

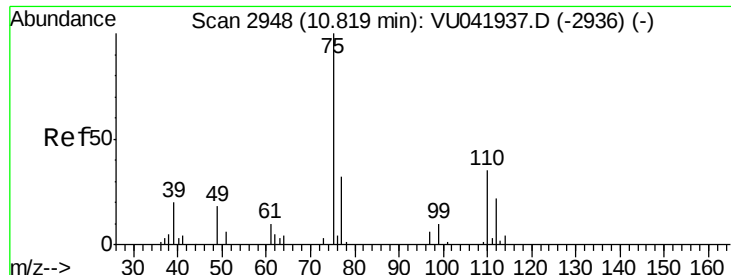
Tot Ion: 43 Resp: 15690
Ion Ratio Lower Upper
43 100
58 31.8 47.6 71.4#
57 30.7 17.1 25.7#
100 1.5 10.4 15.6#



#49
Dibromochloromethane
Concen: 0.069 ug/L
RT: 8.55 min Scan# 2243
Delta R.T. -0.26 min
Lab File: VU041959.D
Acq: 12 Jan 2021 06:59

Tgt Ion: 129 Resp: 552
Ion Ratio Lower Upper
129 100
127 0.0 54.9 101.9#





#59

1,2,3-Trichloropropane

Concen: 0.826 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041959.D

Acq: 12 Jan 2021 06:59

Instrument :

MSVOA_U

ClientSampleId :

BFXQ7

Tot Ion: 75 Resp: 5182

Ion Ratio Lower Upper

75 100

77 39.4 27.0 40.4

