

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101620\
 Data File : VU040763.D
 Acq On : 16 Oct 2020 21:43
 Operator : SY/MD
 Sample : L4423-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSF8

Quant Time: Oct 19 01:20:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 19 01:19:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	114027	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	115998	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47558	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	33899	3.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.80%
7) Chloroethane-d5	1.93	69	33440	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.58	63	56683	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	4.66	46	164239	54.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.64%
24) Chloroform-d	5.08	84	84424	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.72	65	53255	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.75	84	145286	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.70	67	51974	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.91	98	109429	3.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.20%
43) trans-1,3-Dichloropropene-	8.19	79	19273	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.64	63	111127	49.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.02%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48563	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	47808	5.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

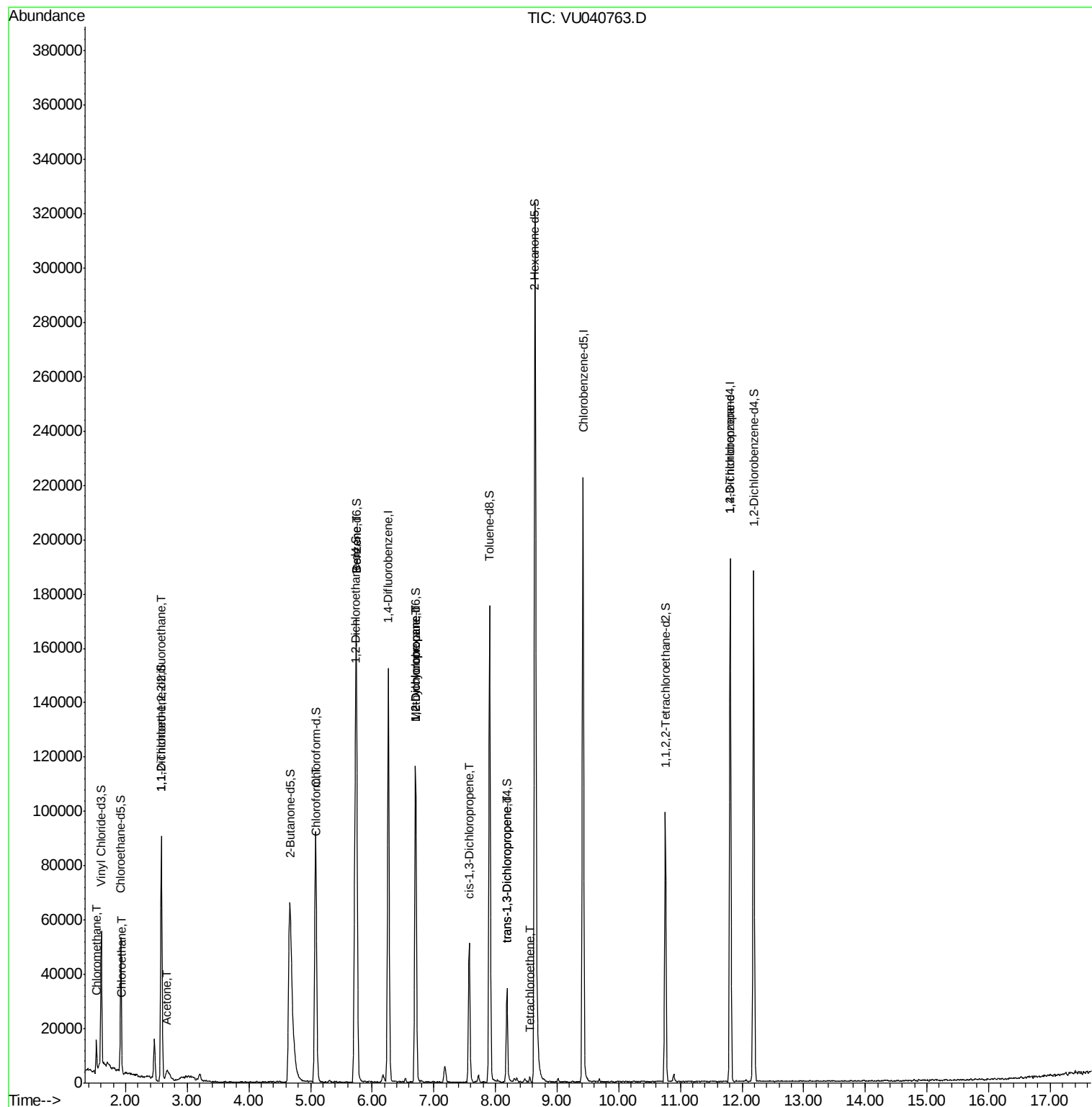
					Ovalue
3) Chloromethane	1.53	50	7867	0.814 ug/L	85
8) Chloroethane	1.95	64	543	0.084 ug/L #	56
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	428	0.045 ug/L #	20
13) Acetone	2.66	43	5717	2.439 ug/L	94
25) Chloroform	5.10	83	2201	0.122 ug/L	94
33) Benzene	5.75	78	987	0.026 ug/L	100
35) Methylcyclohexane	6.70	83	11750	0.858 ug/L #	14
37) 1,2-Dichloropropane	6.71	63	6309	0.608 ug/L #	87
39) cis-1,3-Dichloropropene	7.58	75	1327	0.094 ug/L #	62
44) trans-1,3-Dichloropropene	8.18	75	814	0.062 ug/L #	66
47) Tetrachloroethene	8.56	164	392	0.057 ug/L	88
59) 1,2,3-Trichloropropane	11.81	75	6783	0.889 ug/L	100

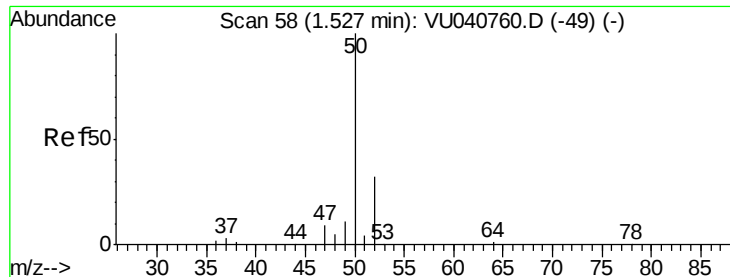
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.814 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040763.D

Acq: 16 Oct 2020 21:43

Instrument :

MSVOA_U

ClientSampleId :

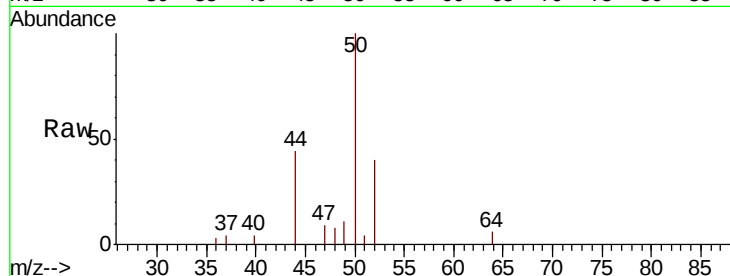
BFSF8

Tot Ion: 50 Resp: 7867

Ion Ratio Lower Upper

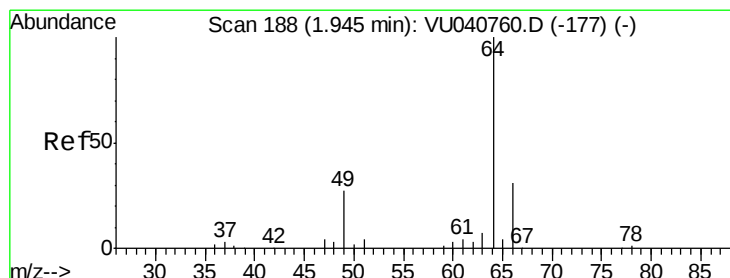
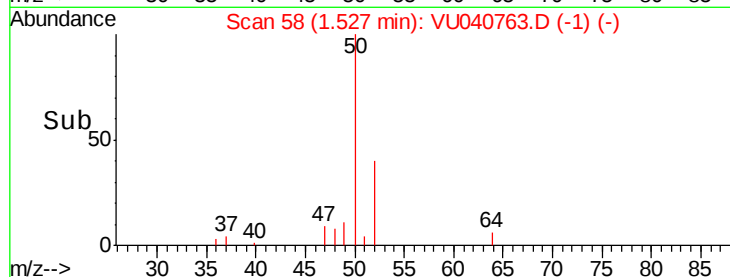
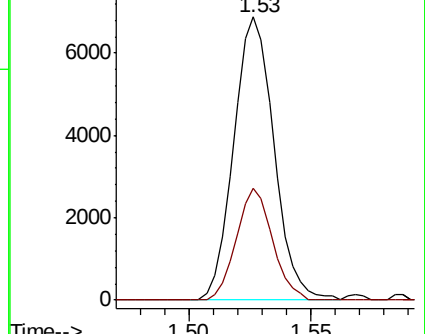
50 100

52 39.7 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040763.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU040763.D (-1) (-)



#8

Chloroethane

Concen: 0.084 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU040763.D

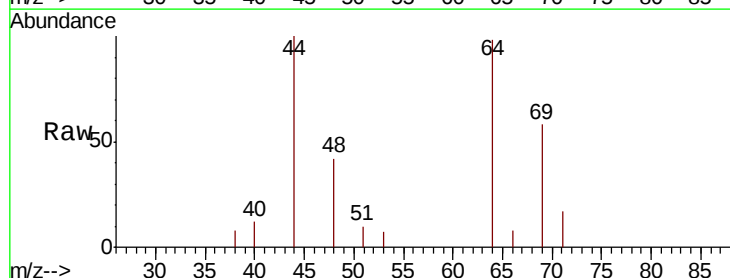
Acq: 16 Oct 2020 21:43

Tgt Ion: 64 Resp: 543

Ion Ratio Lower Upper

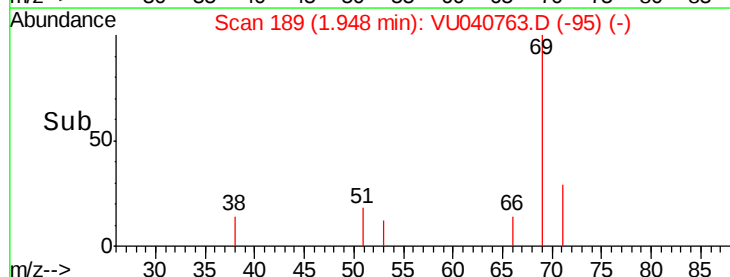
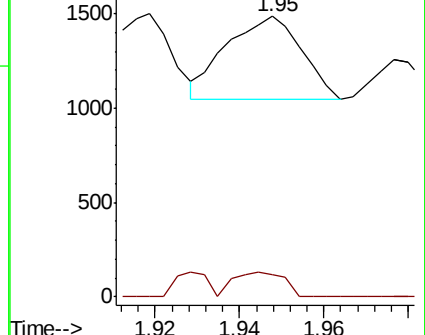
64 100

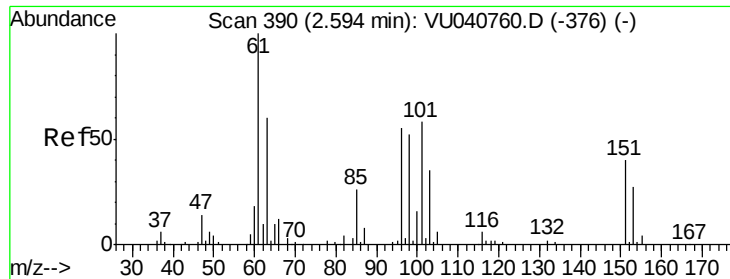
66 8.1 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU040763.D (-95) (-)

Ion 66.05 (65.75 to 66.75): VU040763.D (-95) (-)





#10

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

Concen: 0.045 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040763.D

Acq: 16 Oct 2020 21:43

Instrument :

MSVOA_U

ClientSampleId :

BFSF8

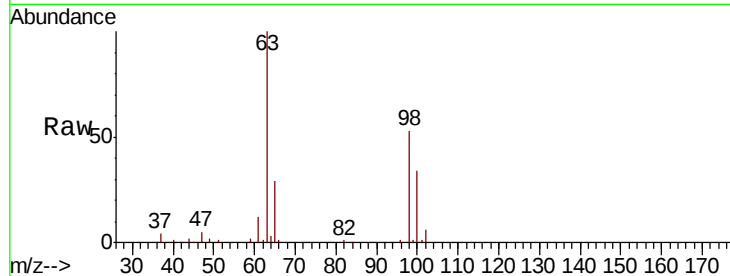
Tot Ion:101 Resp: 428

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

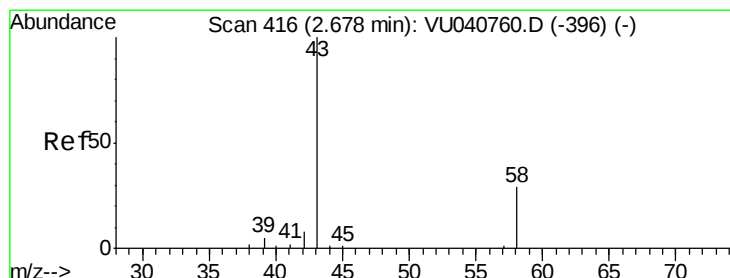
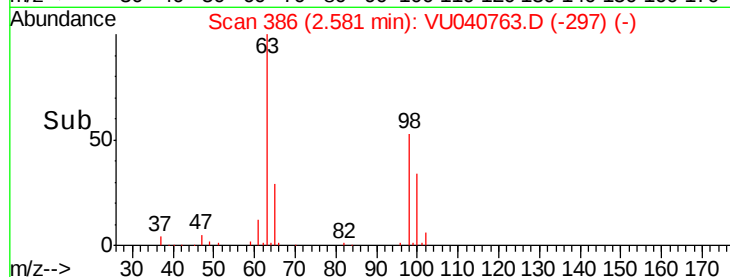
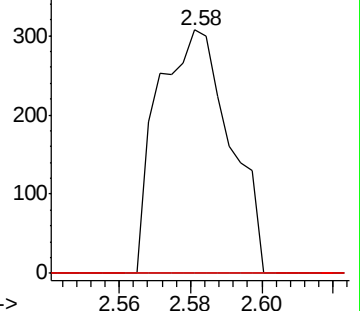
151 0.0 58.0 87.0#



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



#13

Acetone

Concen: 2.439 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU040763.D

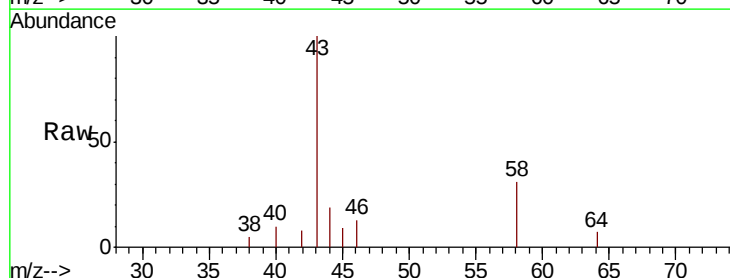
Acq: 16 Oct 2020 21:43

Tgt Ion: 43 Resp: 5717

Ion Ratio Lower Upper

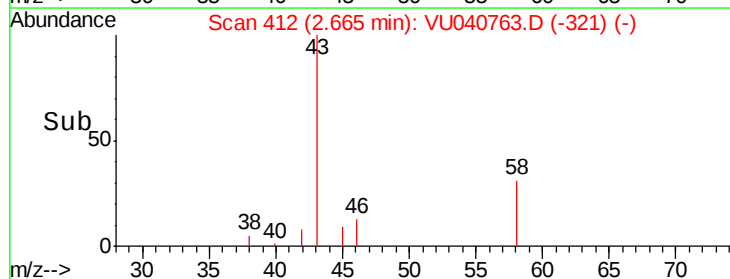
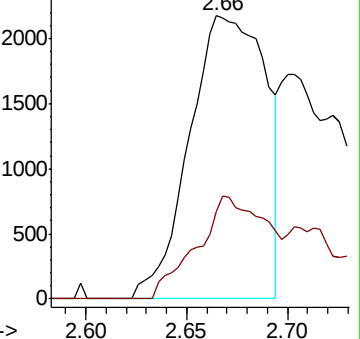
43 100

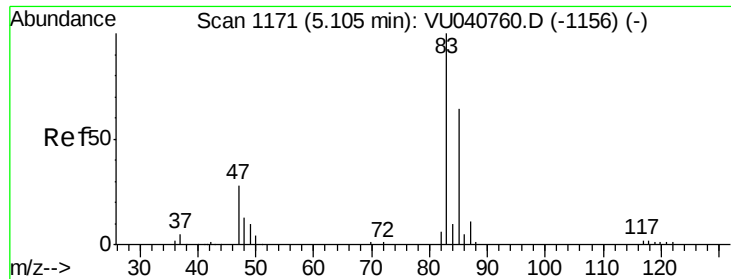
58 33.3 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

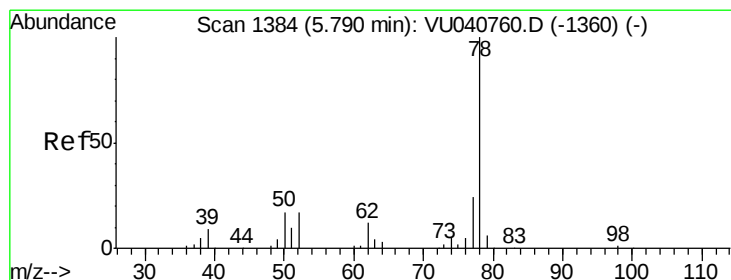
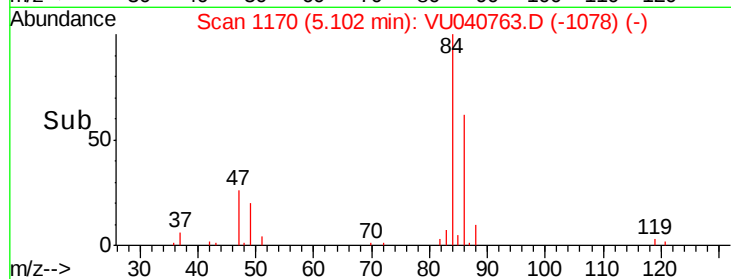
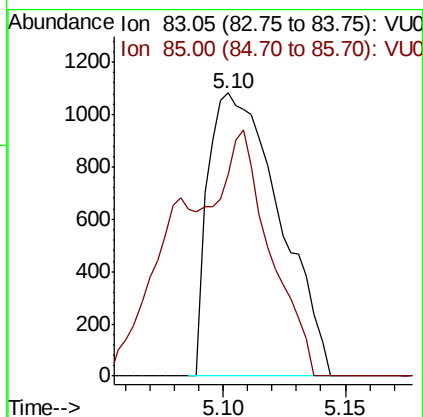
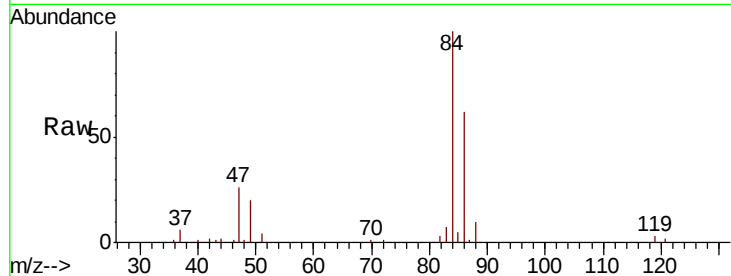




#25
Chloroform
Concen: 0.122 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040763.D
Acq: 16 Oct 2020 21:43

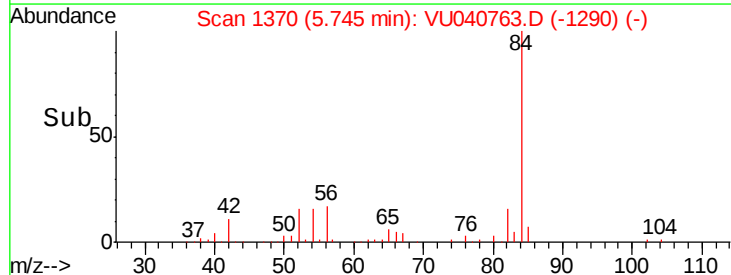
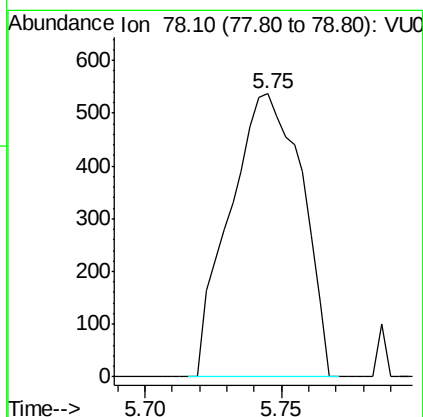
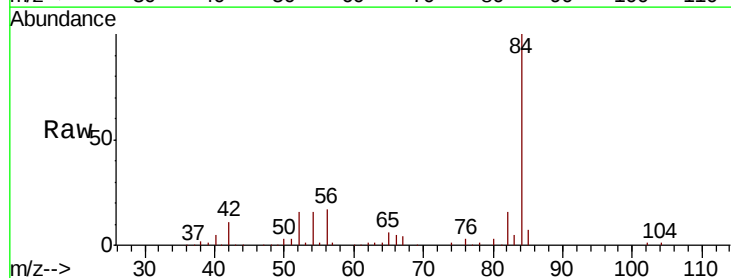
Instrument :
MSVOA_U
ClientSampled :
BFSF8

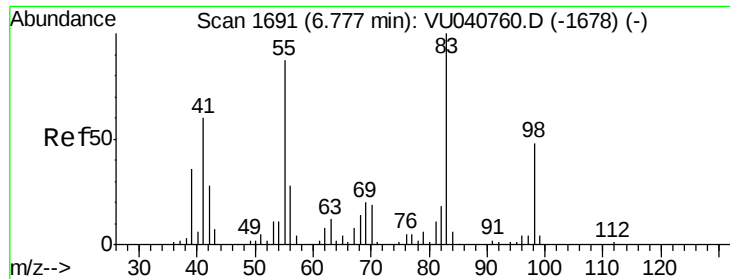
Tot Ion: 83 Resp: 2201
Ion Ratio Lower Upper
83 100
85 71.2 46.5 86.5



#33
Benzene
Concen: 0.026 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.04 min
Lab File: VU040763.D
Acq: 16 Oct 2020 21:43

Tgt Ion: 78 Resp: 987

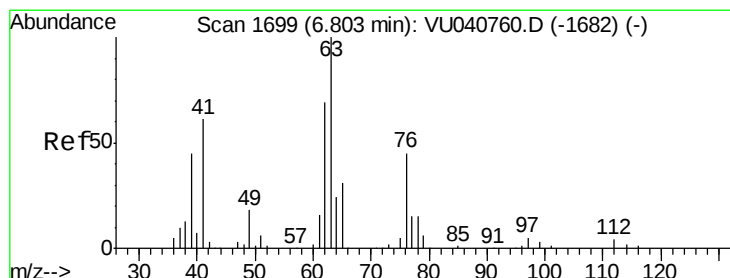
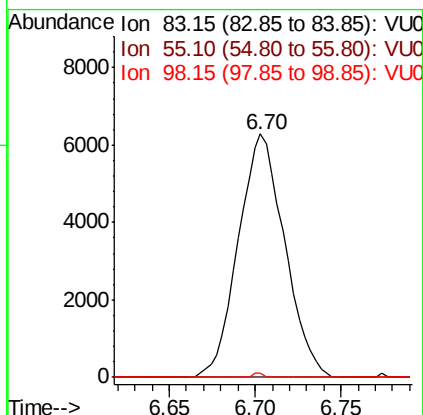
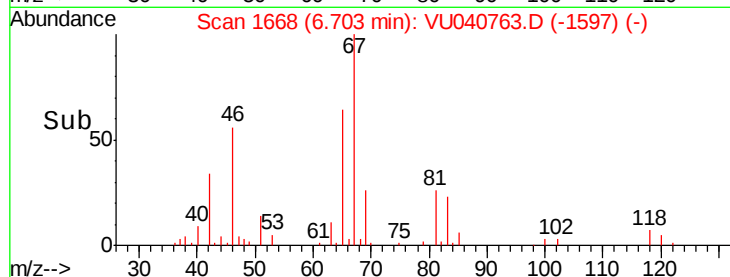
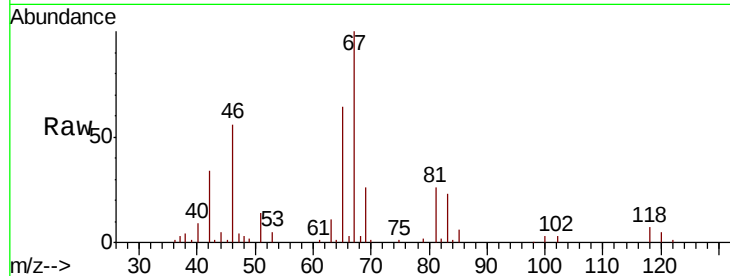




#35
Methvlcvclohexane
Concen: 0.858 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040763.D
Acq: 16 Oct 2020 21:43

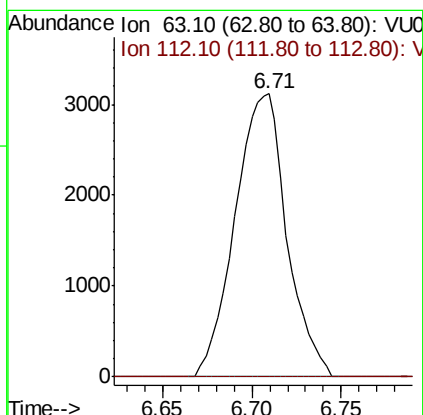
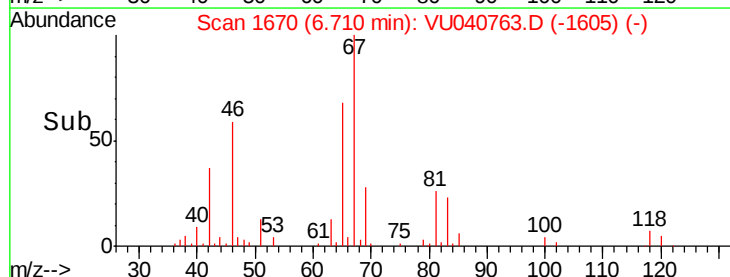
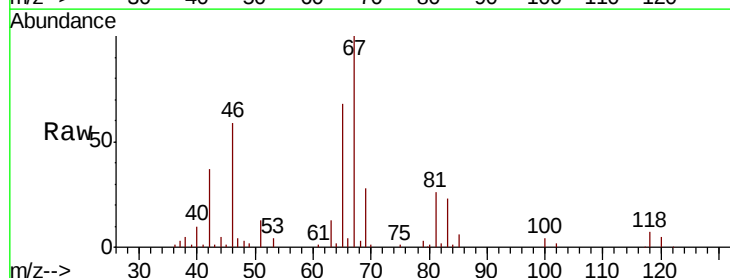
Instrument :
MSVOA_U
ClientSampleId :
BFSF8

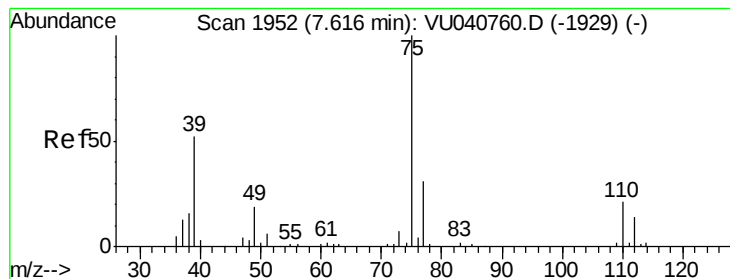
Tot Ion: 83 Resp: 11750
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.3 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.608 ug/L
RT: 6.71 min Scan# 1670
Delta R.T. -0.09 min
Lab File: VU040763.D
Acq: 16 Oct 2020 21:43

Tgt Ion: 63 Resp: 6309
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU040763.D

Acq: 16 Oct 2020 21:43

Instrument :

MSVOA_U

ClientSampleId :

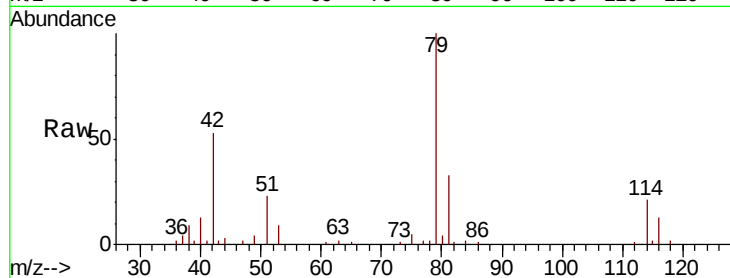
BFSF8

Tot Ion: 75 Resp: 1327

Ion Ratio Lower Upper

75 100

77 49.5 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.58

800

600

400

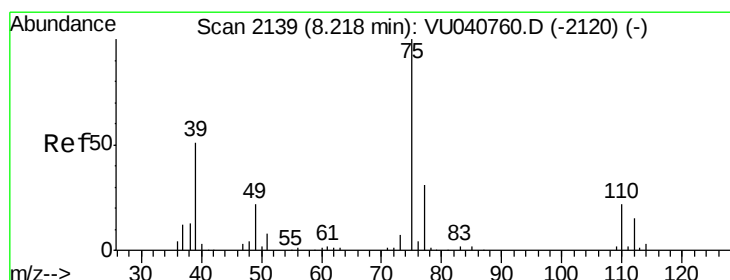
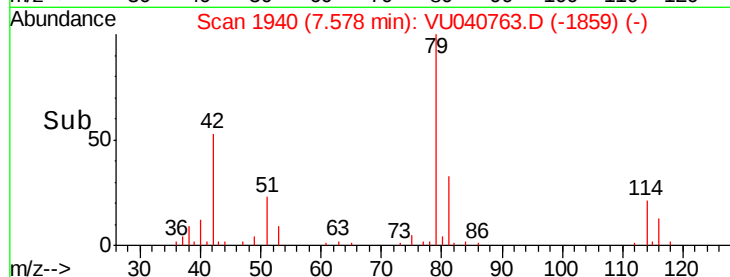
200

0

7.55

7.60

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.062 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040763.D

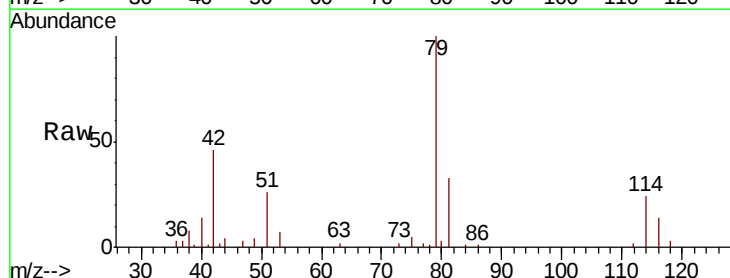
Acq: 16 Oct 2020 21:43

Tgt Ion: 75 Resp: 814

Ion Ratio Lower Upper

75 100

77 47.2 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.18

500

400

300

200

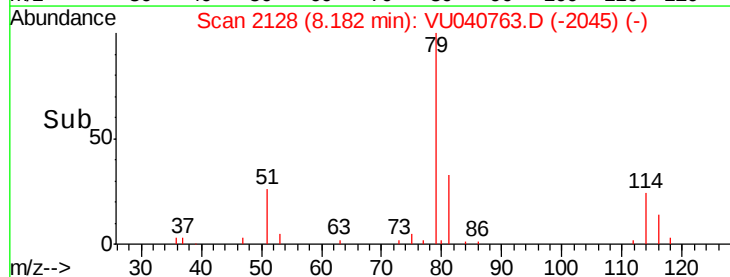
100

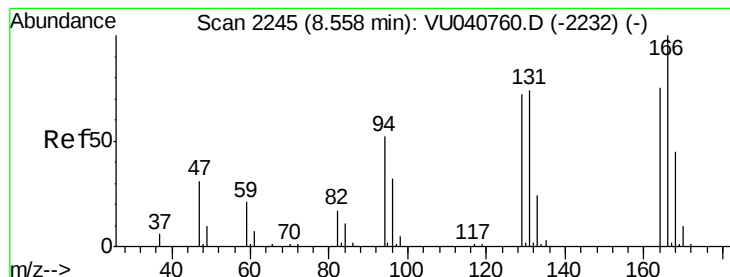
0

8.15

8.20

Time-->





#47

Tetrachloroethene

Concen: 0.057 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.01 min

Lab File: VU040763.D

Acq: 16 Oct 2020 21:43

Instrument :

MSVOA_U

ClientSampleId :

BFSF8

Tot Ion:164 Resp: 392

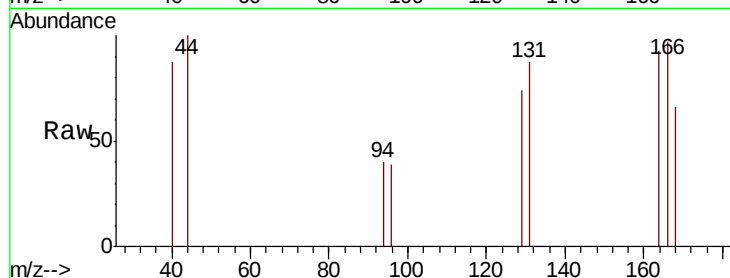
Ion Ratio Lower Upper

164 100

129 79.3 68.8 127.8

131 92.6 66.7 123.9

166 103.5 83.9 155.7



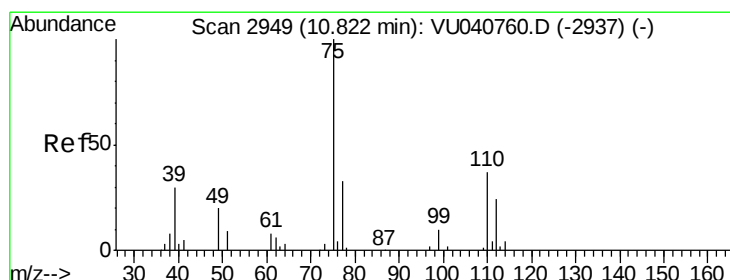
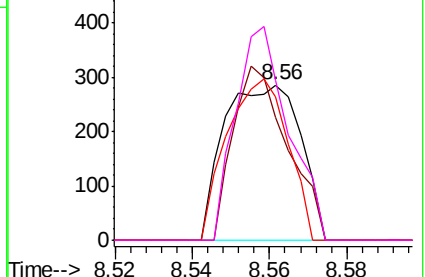
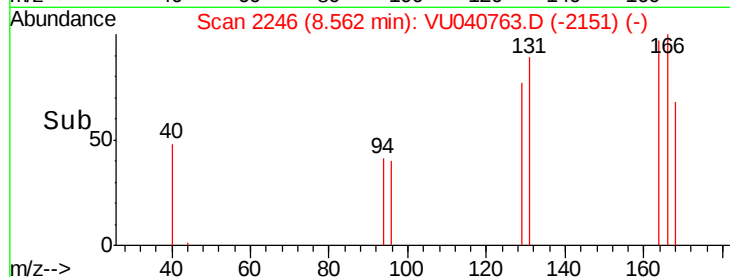
Abundance Ion 163.90 (163.60 to 164.60): V

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



#59

1,2,3-Trichloropropane

Concen: 0.889 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040763.D

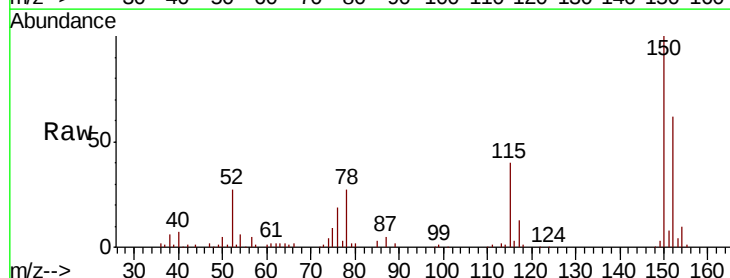
Acq: 16 Oct 2020 21:43

Tgt Ion: 75 Resp: 6783

Ion Ratio Lower Upper

75 100

77 33.2 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Time--> 11.75 11.80 11.85

