

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110220\
 Data File : VU041050.D
 Acq On : 02 Nov 2020 15:00
 Operator : SY/MD
 Sample : L4550-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSF5

Quant Time: Nov 03 00:48:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 03 00:40:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	43375	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	45717	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	18738	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	20714	5.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	113.60%
7) Chloroethane-d5	1.92	69	15740	5.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.40%
11) 1,1-Dichloroethene-d2	2.58	63	30420	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.20%
20) 2-Butanone-d5	4.65	46	84470	70.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	140.78%#
24) Chloroform-d	5.08	84	38077	5.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	118.20%
26) 1,2-Dichloroethane-d4	5.72	65	25884	6.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	129.60%
32) Benzene-d6	5.74	84	70803	5.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.80%
36) 1,2-Dichloropropane-d6	6.70	67	24062	6.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	120.80%
41) Toluene-d8	7.91	98	57392	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
43) trans-1,3-Dichloropropene-	8.19	79	10002	5.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	116.00%
46) 2-Hexanone-d5	8.64	63	60713	65.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.70%#
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23190	6.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	125.40%#
64) 1,2-Dichlorobenzene-d4	12.19	152	22364	6.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	136.00%#

Target Compounds

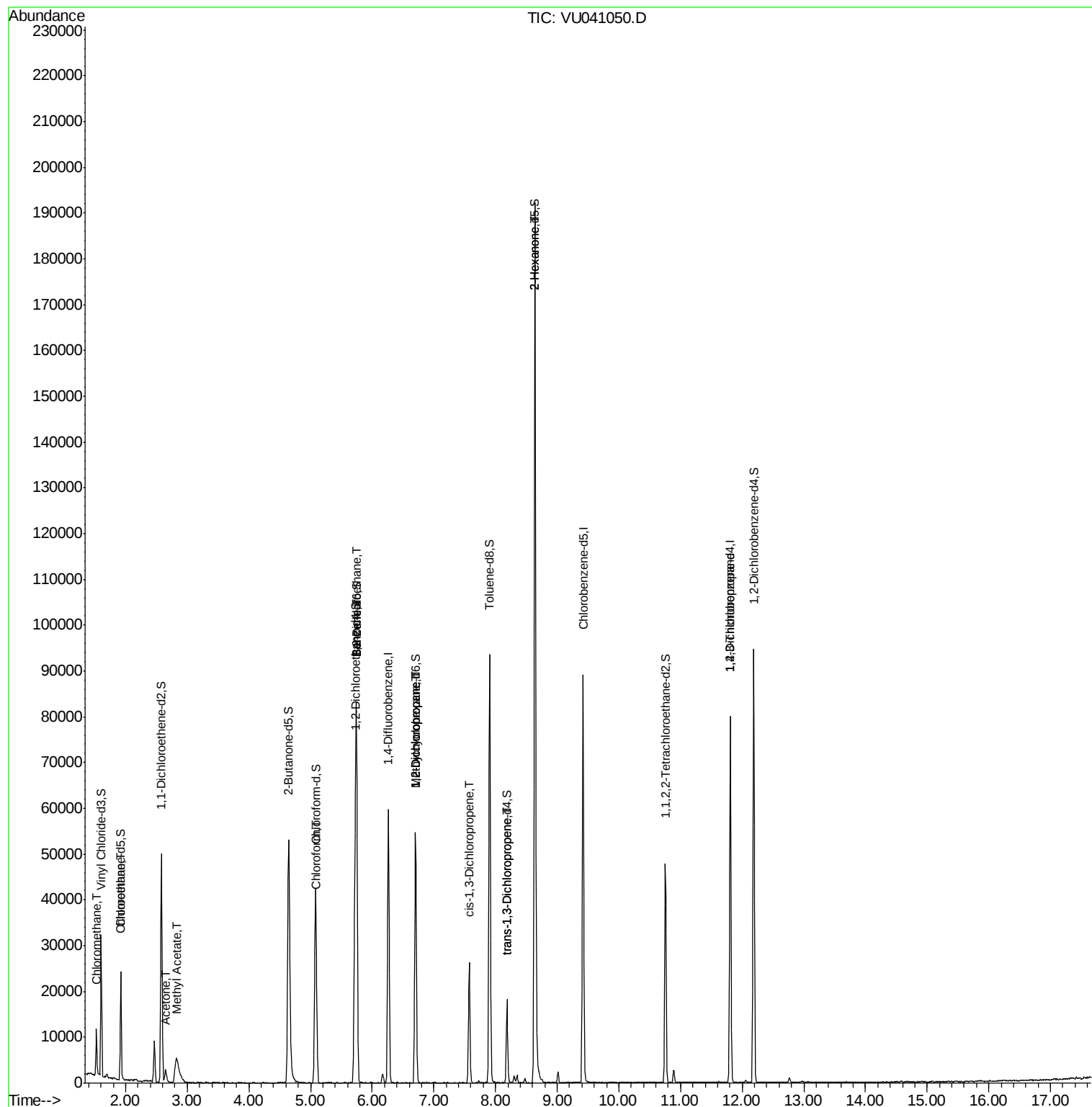
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	6040	1.463	ug/L	94
8) Chloroethane	1.93	64	142	0.055	ug/L #	43
13) Acetone	2.65	43	4119	5.021	ug/L #	64
15) Methyl Acetate	2.82	43	3578	1.906	ug/L #	53
25) Chloroform	5.10	83	634	0.102	ug/L	82
27) 1,2-Dichloroethane	5.74	62	355	0.076	ug/L #	74
33) Benzene	5.75	78	510	0.037	ug/L	100
35) Methylcyclohexane	6.70	83	5445	1.050	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2907	0.786	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	640	0.126	ug/L #	5
44) trans-1,3-Dichloropropene	8.19	75	398	0.084	ug/L #	69
48) 2-Hexanone	8.64	43	8195	3.693	ug/L #	69
59) 1,2,3-Trichloropropane	11.81	75	2921	1.060	ug/L	96

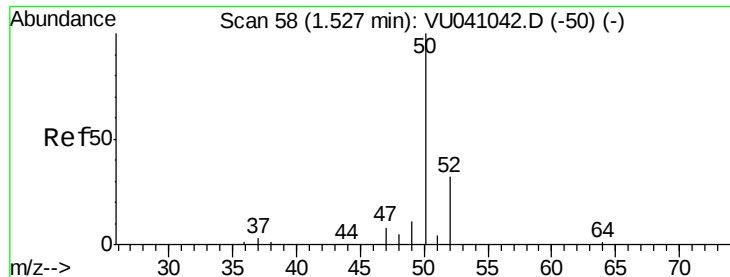
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.463 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041050.D

Acq: 02 Nov 2020 15:00

Instrument :

MSVOA_U

ClientSampleId :

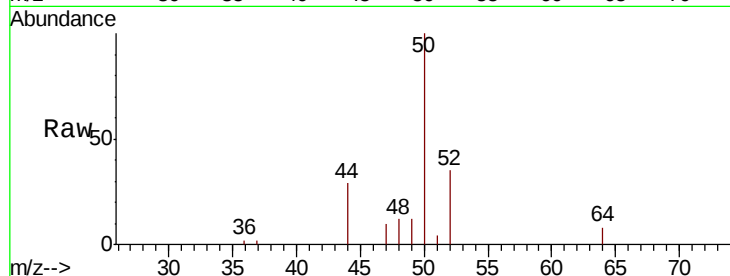
BFSF5

Tot Ion: 50 Resp: 6040

Ion Ratio Lower Upper

50 100

52 35.4 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU041042.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU041042.D (-50) (-)

1.53

6000

5000

4000

3000

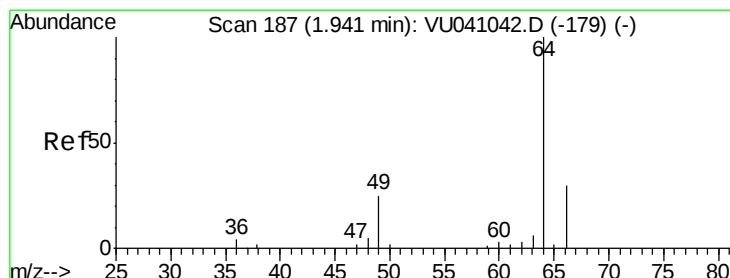
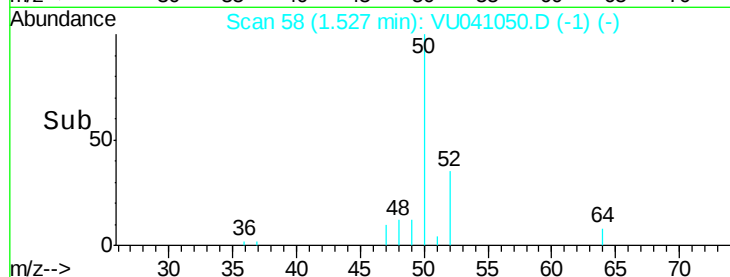
2000

1000

0

Time-->

1.48 1.50 1.52 1.54 1.56



#8

Chloroethane

Concen: 0.055 ug/L

RT: 1.93 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU041050.D

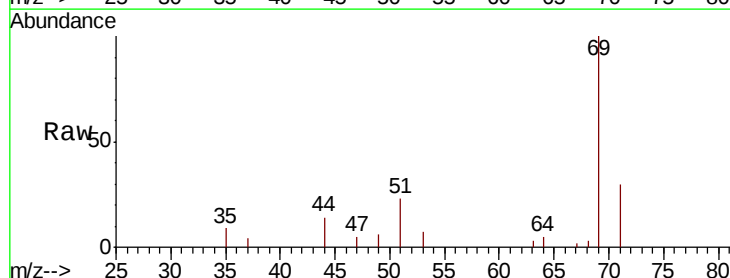
Acq: 02 Nov 2020 15:00

Tgt Ion: 64 Resp: 142

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VU041042.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU041042.D (-179) (-)

1.93

250

200

150

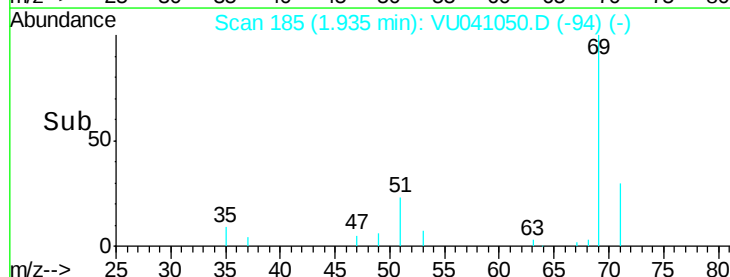
100

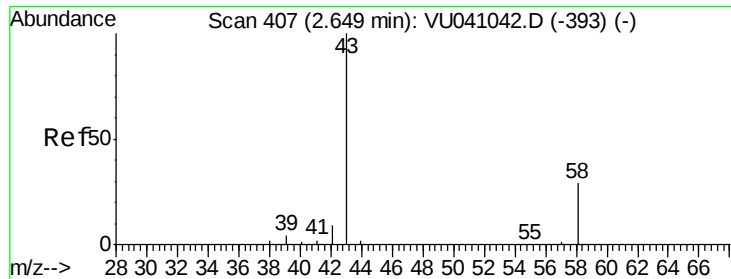
50

0

Time-->

1.90 1.92 1.94 1.96





#13

Acetone

Concen: 5.021 ug/L

RT: 2.65 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU041050.D

Acq: 02 Nov 2020 15:00

Instrument :

MSVOA_U

ClientSampleId :

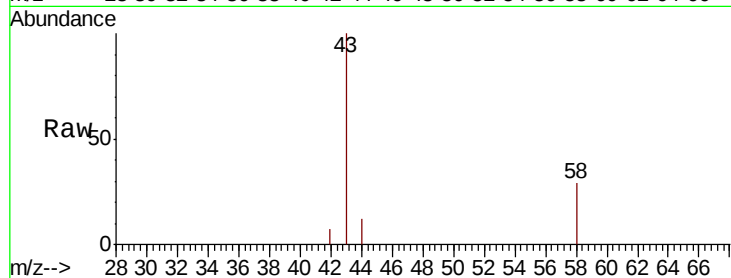
BFSF5

Tot Ion: 43 Resp: 4119

Ion Ratio Lower Upper

43 100

58 26.9 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041042.D (-393) (-)

Ion 58.05 (57.75 to 58.75): VU041042.D (-393) (-)

2.65

2000

1500

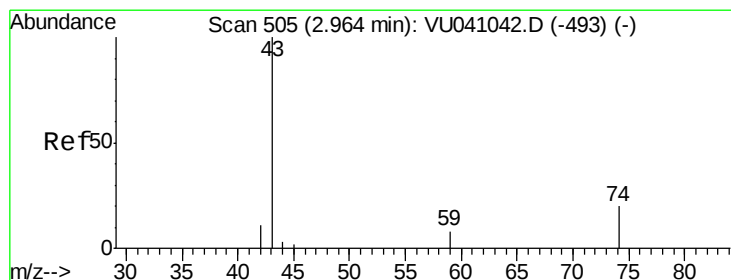
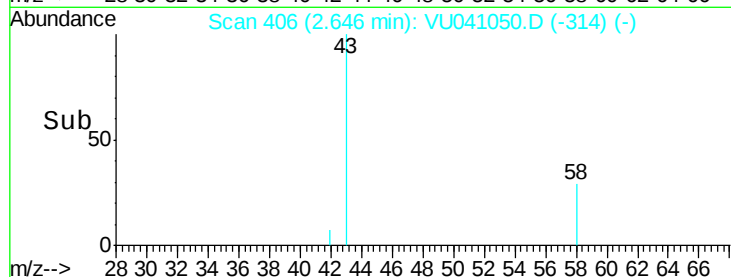
1000

500

0

2.60 2.65 2.70

Time-->



#15

Methyl Acetate

Concen: 1.906 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.14 min

Lab File: VU041050.D

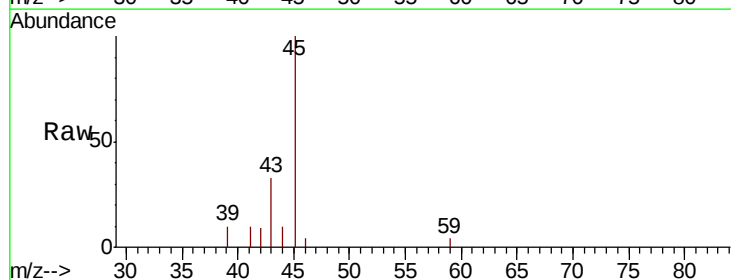
Acq: 02 Nov 2020 15:00

Tgt Ion: 43 Resp: 3578

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#



Abundance Ion 43.05 (42.75 to 43.75): VU041042.D (-493) (-)

Ion 74.05 (73.75 to 74.75): VU041042.D (-493) (-)

2.82

1000

800

600

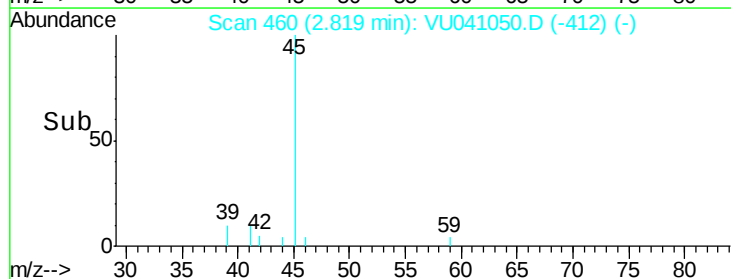
400

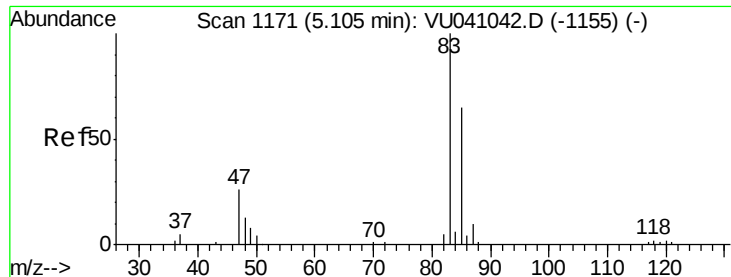
200

0

2.75 2.80 2.85 2.90

Time-->

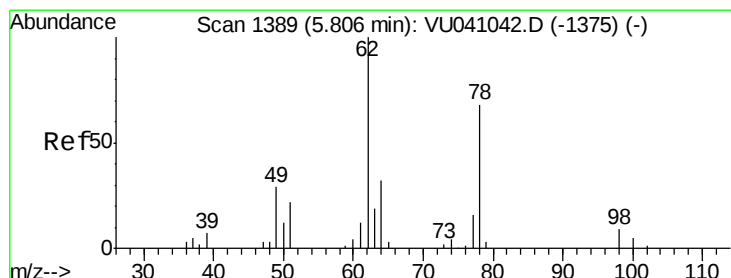
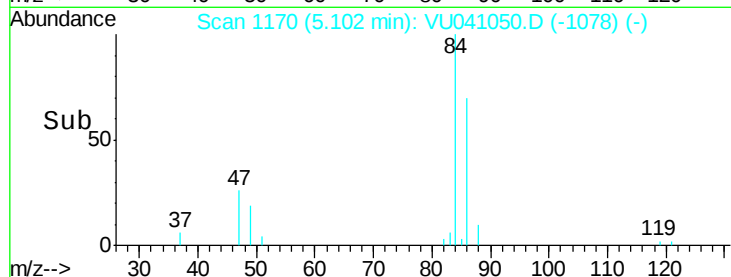
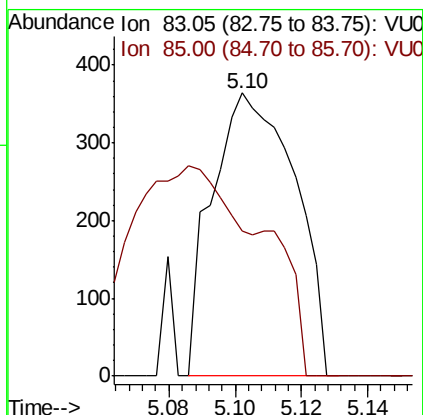
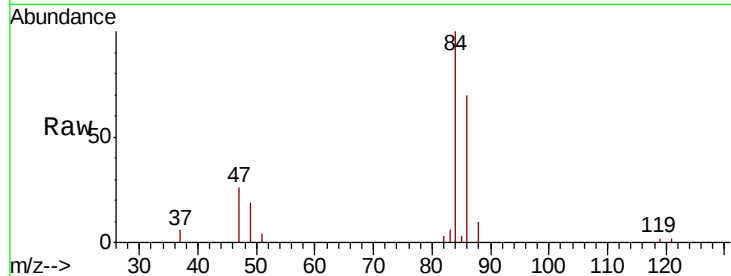




#25
Chloroform
Concen: 0.102 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041050.D
Acq: 02 Nov 2020 15:00

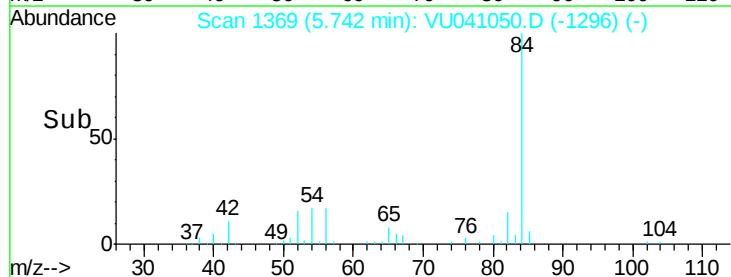
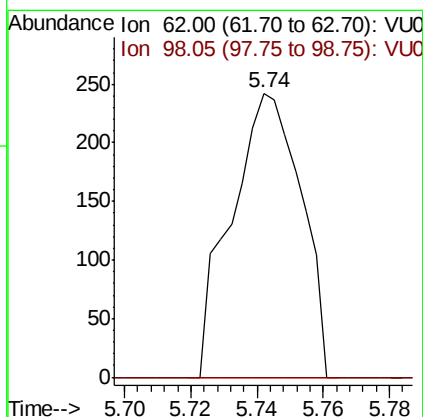
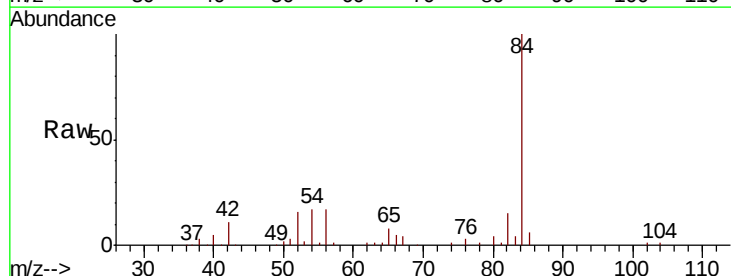
Instrument :
MSVOA_U
ClientSampled :
BFSF5

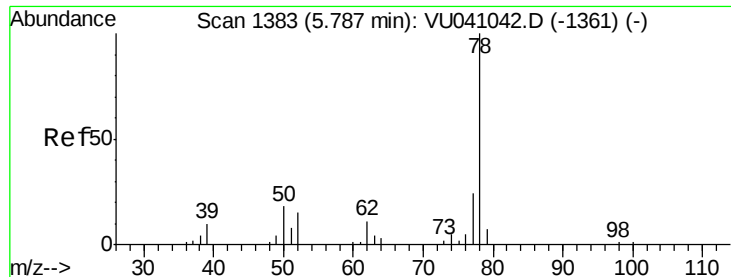
Tot Ion: 83 Resp: 634
Ion Ratio Lower Upper
83 100
85 51.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.076 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.06 min
Lab File: VU041050.D
Acq: 02 Nov 2020 15:00

Tgt Ion: 62 Resp: 355
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#33

Benzene

Concen: 0.037 ug/L

RT: 5.75 min Scan# 1370

Delta R.T. -0.04 min

Lab File: VU041050.D

Acq: 02 Nov 2020 15:00

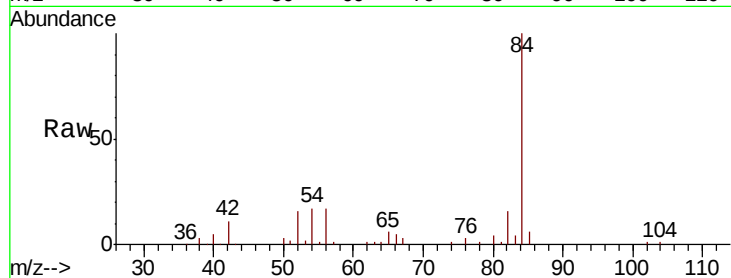
Instrument :

MSVOA_U

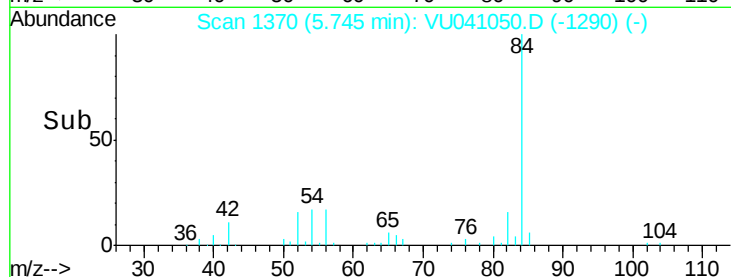
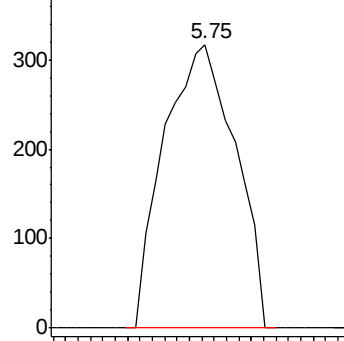
ClientSampled :

BFSF5

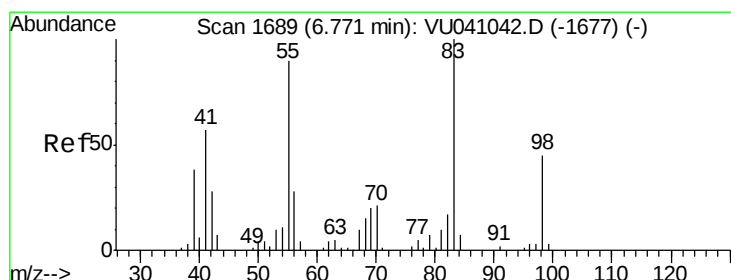
Tgt Ion: 78 Resp: 510



Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->



#35

Methylcyclohexane

Concen: 1.050 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041050.D

Acq: 02 Nov 2020 15:00

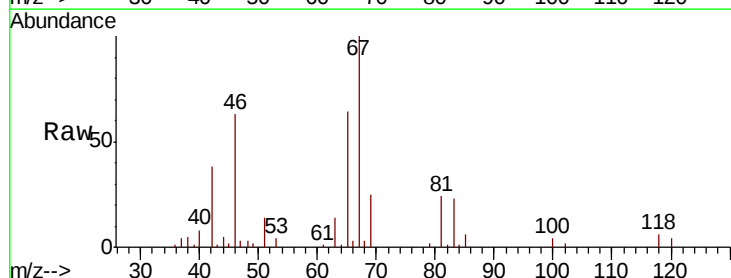
Tgt Ion: 83 Resp: 5445

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

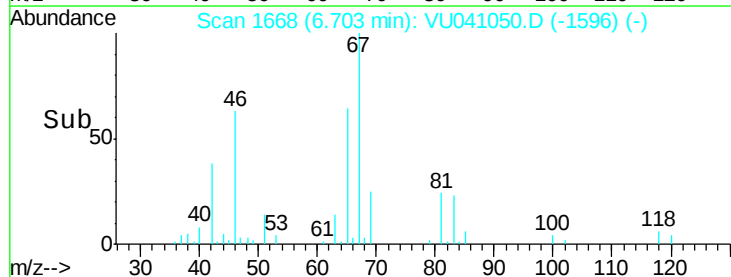
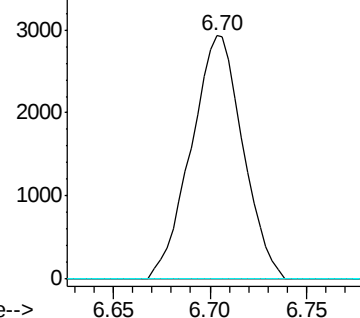
98 0.0 36.6 55.0#

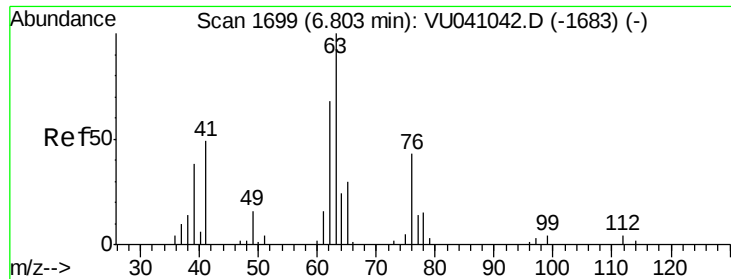


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

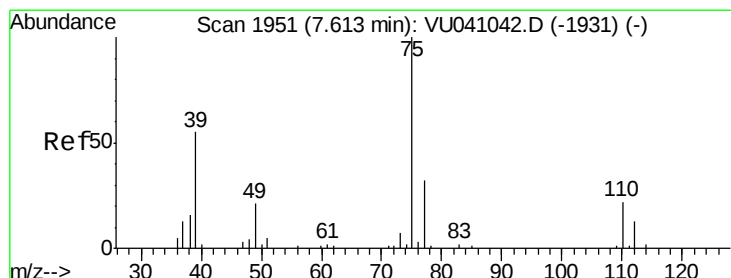
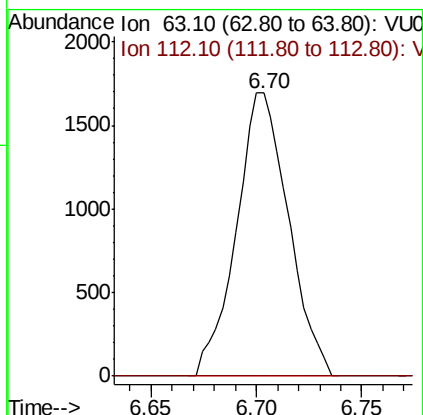
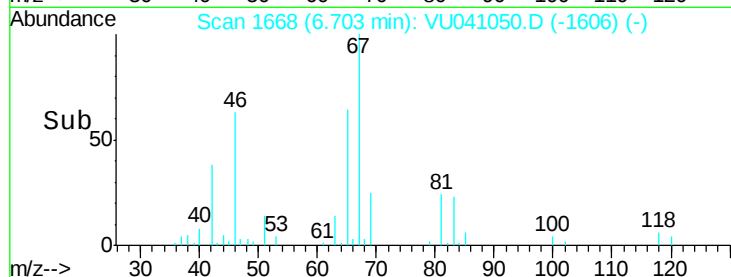
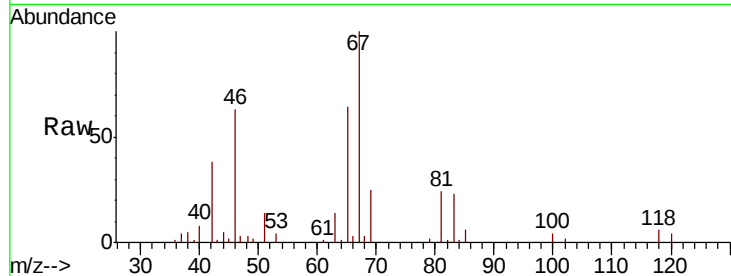




#37
 1,2-Dichloropropane
 Concen: 0.786 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041050.D
 Acq: 02 Nov 2020 15:00

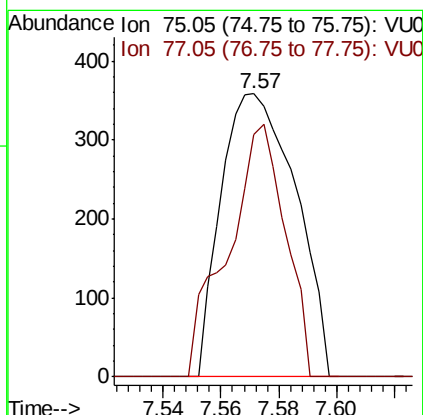
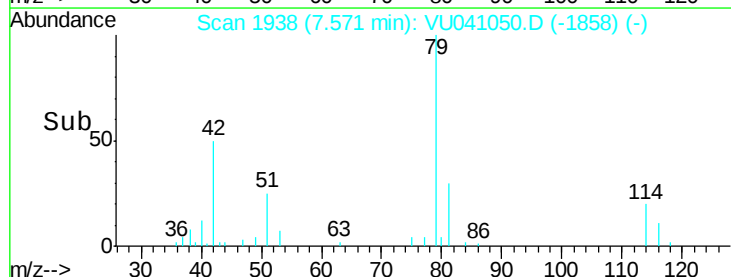
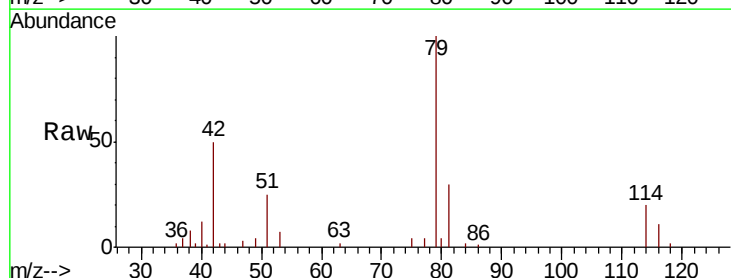
Instrument :
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 BFSF5

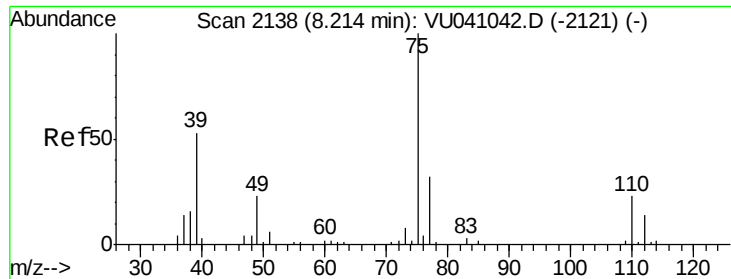
Tot Ion: 63 Resp: 2907
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.126 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041050.D
 Acq: 02 Nov 2020 15:00

Tgt Ion: 75 Resp: 640
 Ion Ratio Lower Upper
 75 100
 77 85.8 22.7 42.3#

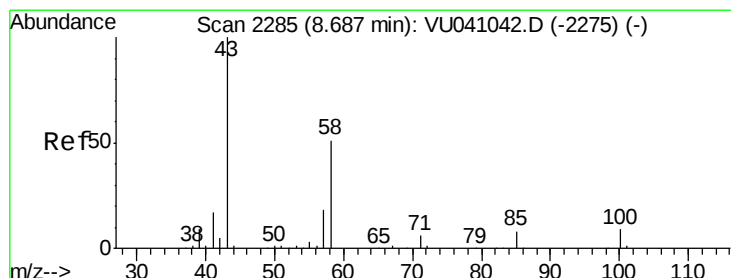
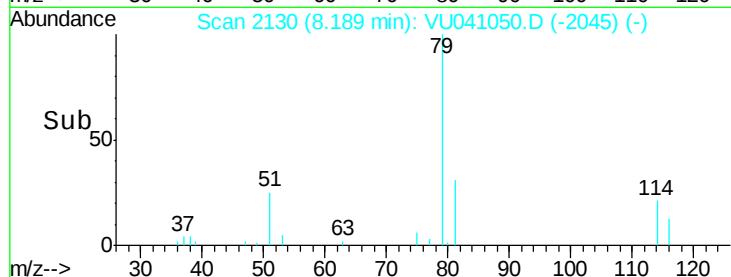
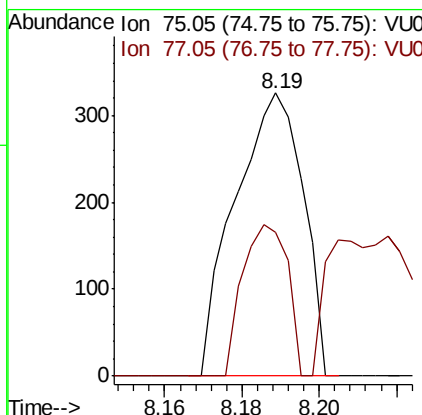
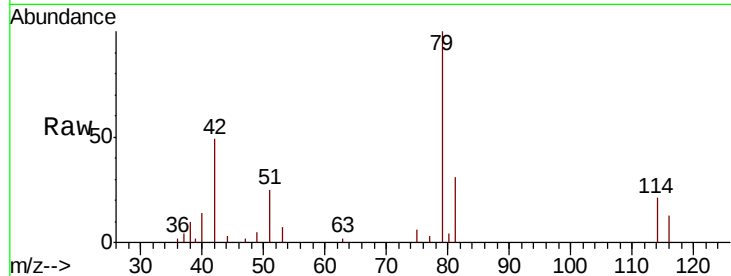




#44
trans-1,3-Dichloropropene
Concen: 0.084 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU041050.D
Acq: 02 Nov 2020 15:00

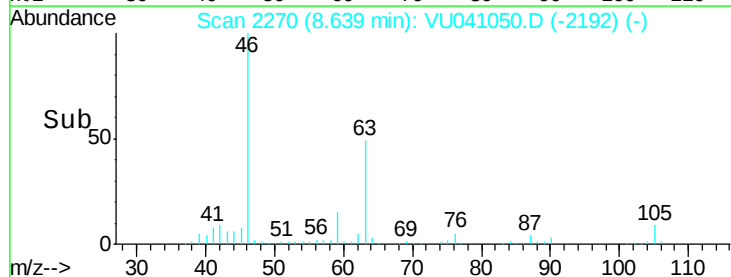
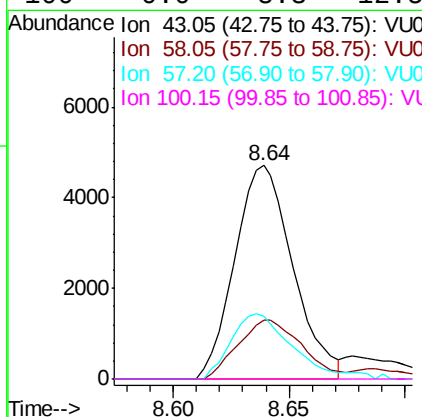
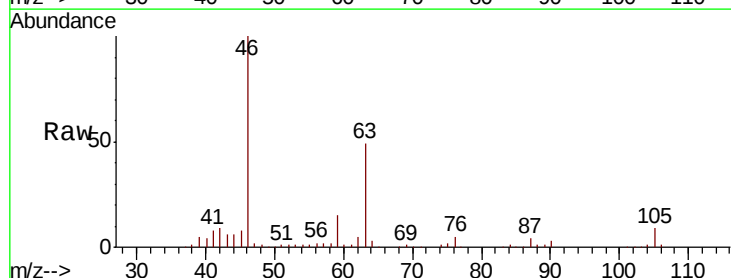
Instrument :
MSVOA_U
ClientSampled :
BFSF5

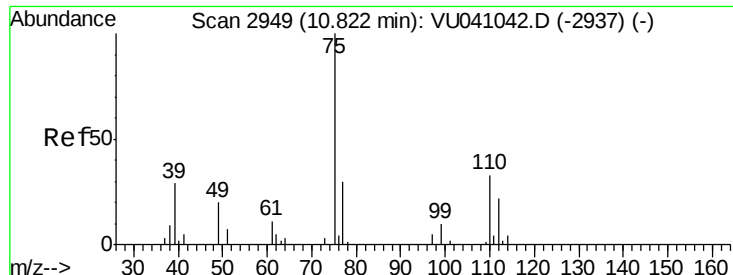
Tot Ion: 75 Resp: 398
Ion Ratio Lower Upper
75 100
77 50.9 23.3 43.3#



#48
2-Hexanone
Concen: 3.693 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041050.D
Acq: 02 Nov 2020 15:00

Tgt Ion: 43 Resp: 8195
Ion Ratio Lower Upper
43 100
58 30.3 41.4 62.2#
57 32.6 14.6 21.8#
100 0.0 8.3 12.5#





#59

1,2,3-Trichloropropane

Concen: 1.060 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041050.D

Acq: 02 Nov 2020 15:00

Instrument :

MSVOA_U

ClientSampleId :

BFSF5

Tot Ion: 75 Resp: 2921

Ion Ratio Lower Upper

75 100

77 34.4 25.7 38.5

