

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110220\
 Data File : VU041053.D
 Acq On : 02 Nov 2020 16:11
 Operator : SY/MD
 Sample : L4550-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSS4

Quant Time: Nov 03 00:49:23 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	56709	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	58795	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25122	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	20002	4.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.00%
7) Chloroethane-d5	1.92	69	15279	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.40%
11) 1,1-Dichloroethene-d2	2.58	63	29098	3.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.20%
20) 2-Butanone-d5	4.65	46	76773	48.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.86%
24) Chloroform-d	5.08	84	36552	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	5.72	65	23885	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
32) Benzene-d6	5.74	84	67314	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
36) 1,2-Dichloropropane-d6	6.70	67	23108	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.91	98	55670	3.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.20%
43) trans-1,3-Dichloropropene-	8.19	79	9609	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.64	63	53776	45.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.02%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	20490	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	22079	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

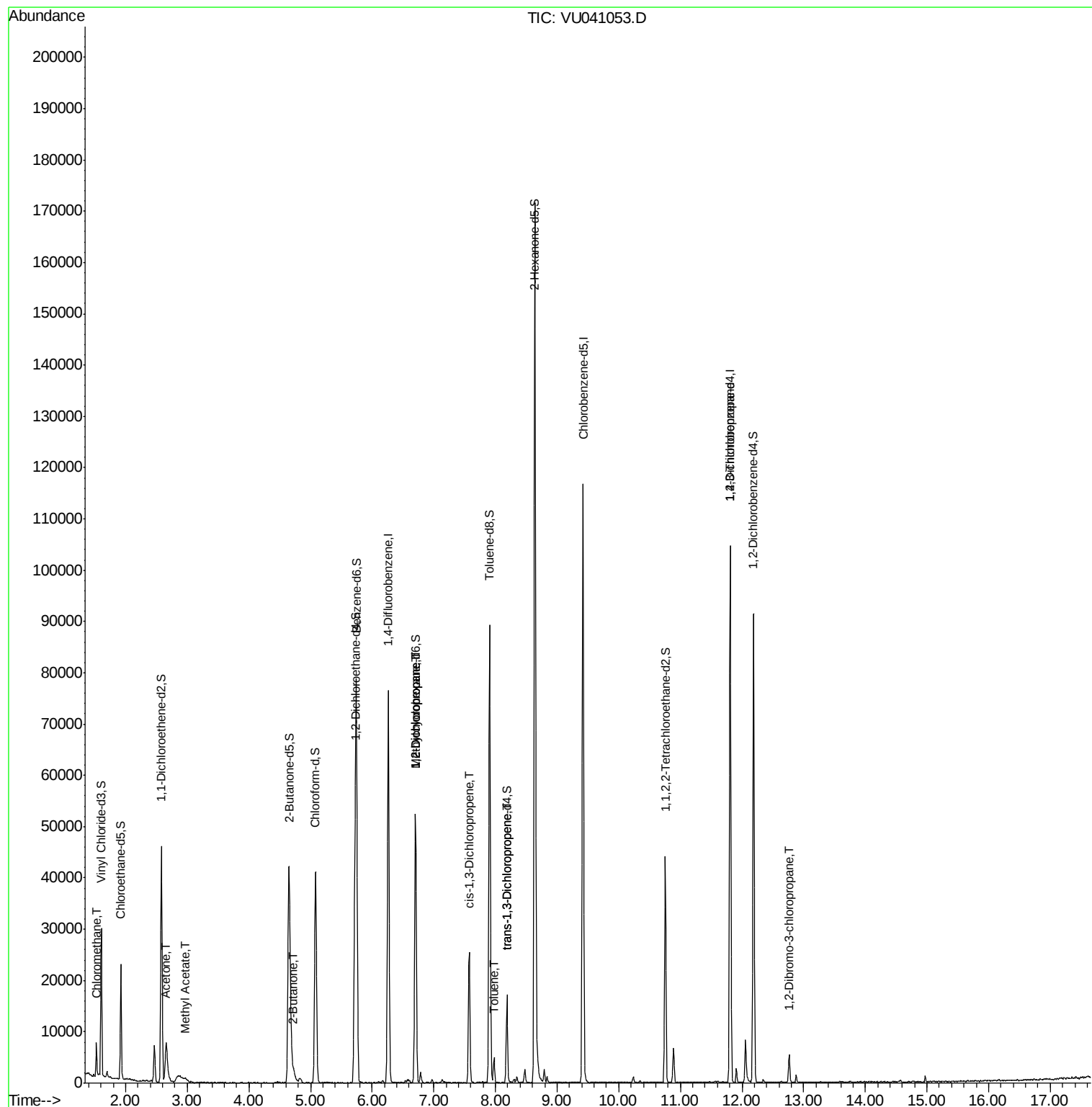
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	4420	0.819	ug/L	100
13) Acetone	2.66	43	14834	13.830	ug/L #	61
15) Methyl Acetate	2.97	43	1066	0.434	ug/L #	53
21) 2-Butanone	4.73	43	2897	1.728	ug/L #	71
35) Methylcyclohexane	6.70	83	5318	0.797	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2797	0.588	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	602	0.092	ug/L #	80
42) Toluene	7.98	91	3542	0.199	ug/L	98
44) trans-1,3-Dichloropropene	8.19	75	372	0.061	ug/L #	37
59) 1,2,3-Trichloropropane	11.81	75	3707	1.046	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.76	75	61	0.087	ug/L #	7

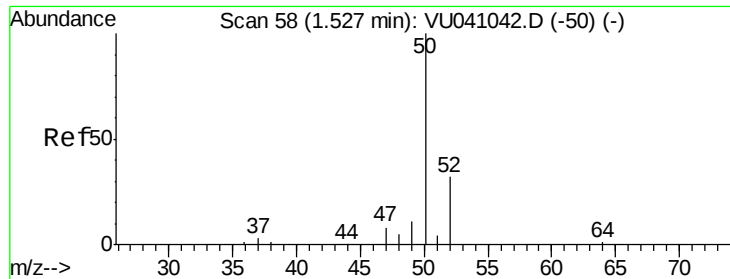
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.819 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041053.D

Acq: 02 Nov 2020 16:11

Instrument :

MSVOA_U

ClientSampleId :

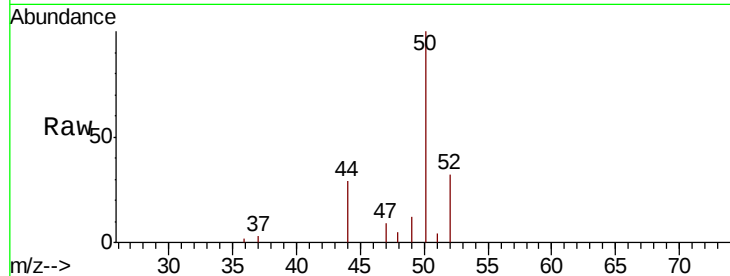
BFSS4

Tot Ion: 50 Resp: 4420

Ion Ratio Lower Upper

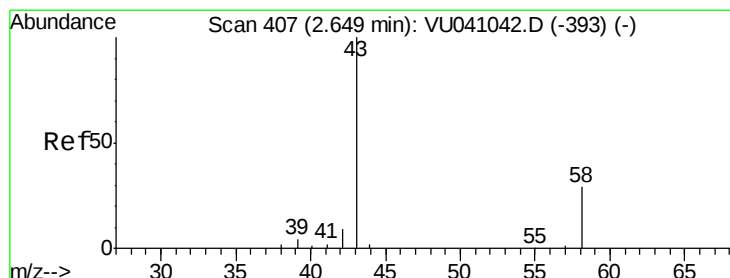
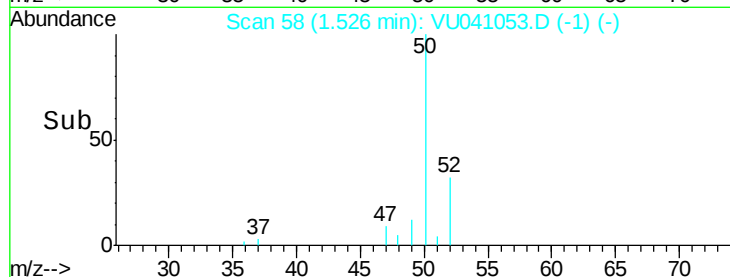
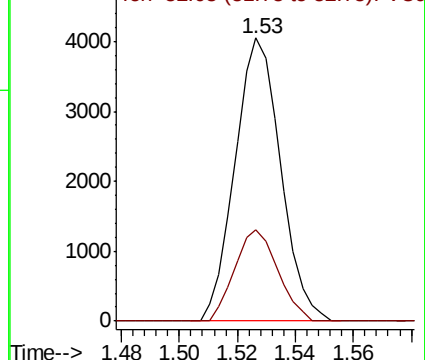
50 100

52 32.1 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#13

Acetone

Concen: 13.830 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.01 min

Lab File: VU041053.D

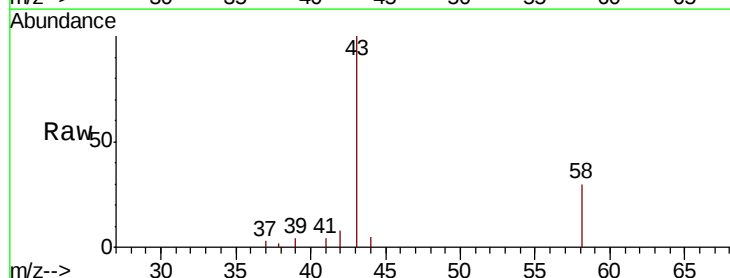
Acq: 02 Nov 2020 16:11

Tgt Ion: 43 Resp: 14834

Ion Ratio Lower Upper

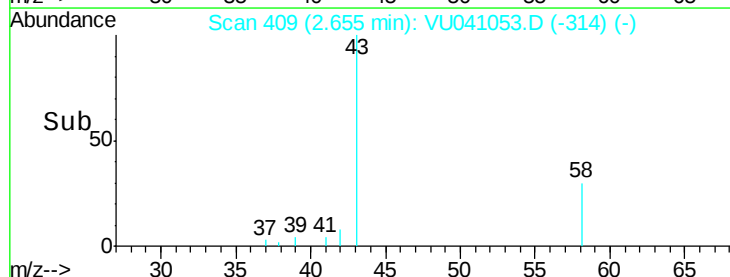
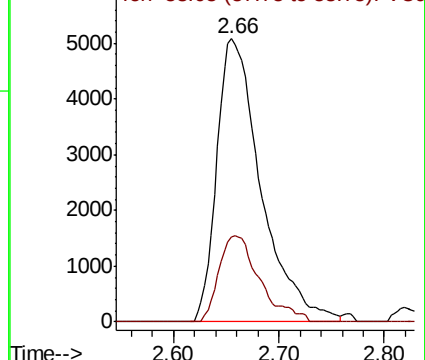
43 100

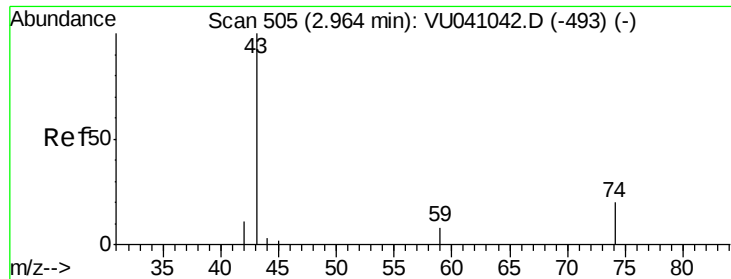
58 27.9 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

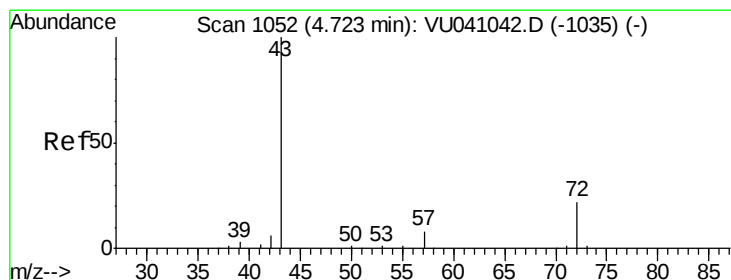
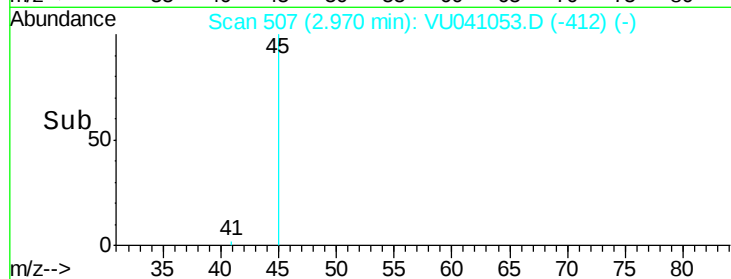
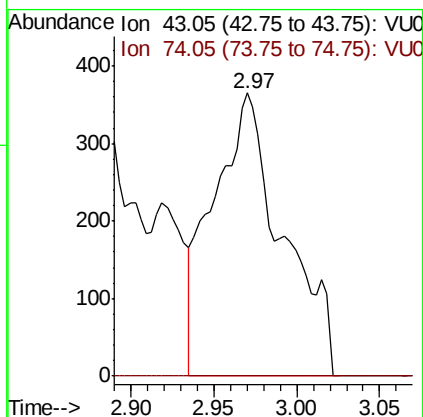
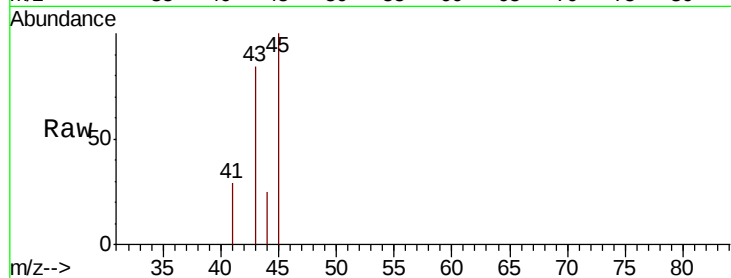




#15
Methyl Acetate
Concen: 0.434 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.01 min
Lab File: VU041053.D
Acq: 02 Nov 2020 16:11

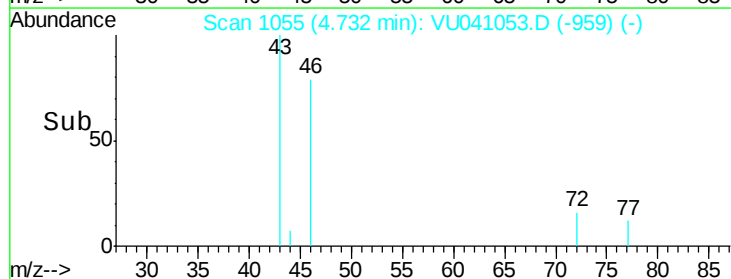
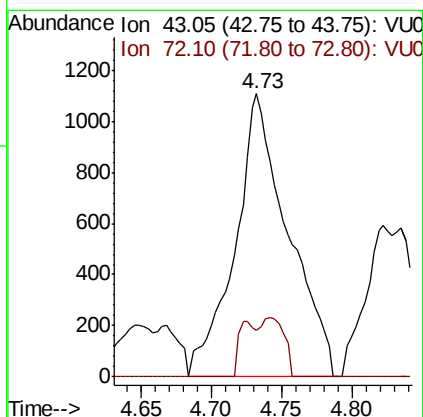
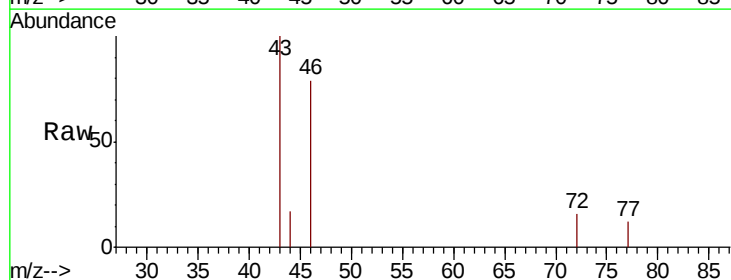
Instrument :
MSVOA_U
ClientSampled :
BFSS4

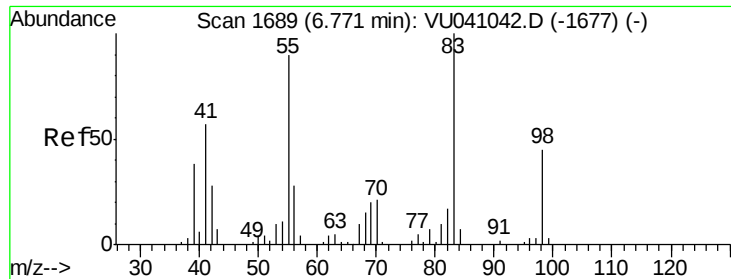
Tot Ion: 43 Resp: 1066
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#21
2-Butanone
Concen: 1.728 ug/L
RT: 4.73 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VU041053.D
Acq: 02 Nov 2020 16:11

Tgt Ion: 43 Resp: 2897
Ion Ratio Lower Upper
43 100
72 9.3 11.8 35.4#

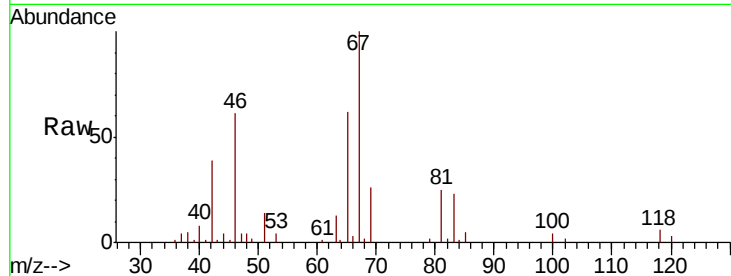




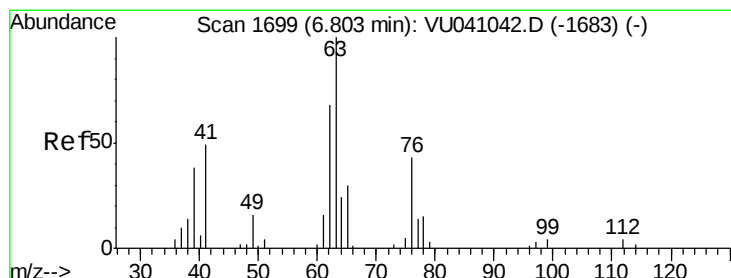
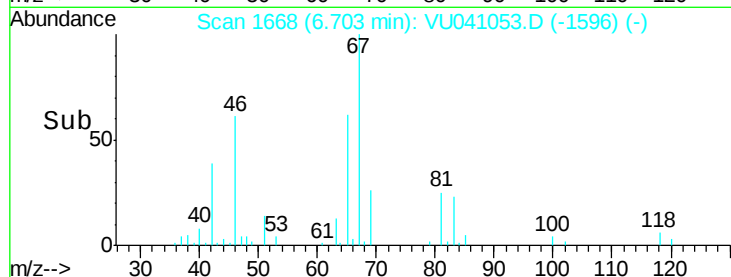
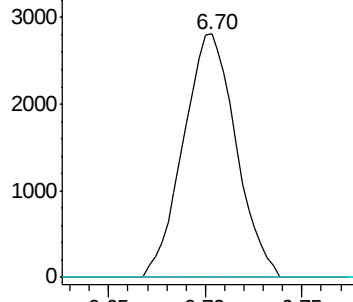
#35
Methvlcvclohexane
Concen: 0.797 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041053.D
Acq: 02 Nov 2020 16:11

Instrument :
MSVOA_U
ClientSampleId :
BFSS4

Tot Ion: 83 Resp: 5318
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.4 36.6 55.0#

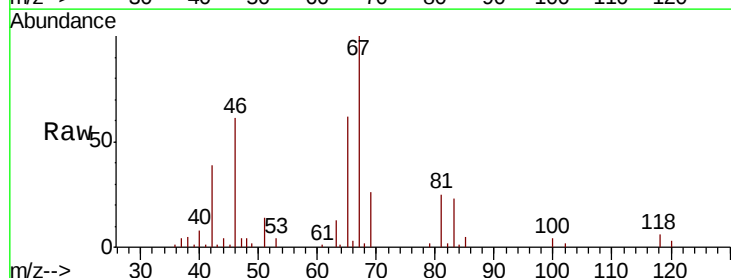


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

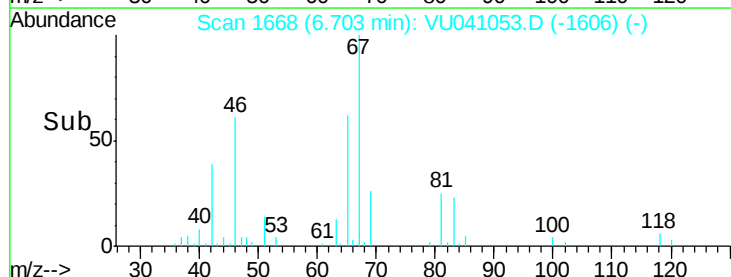
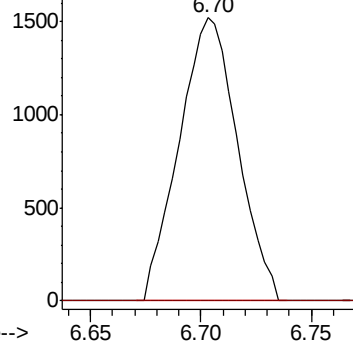


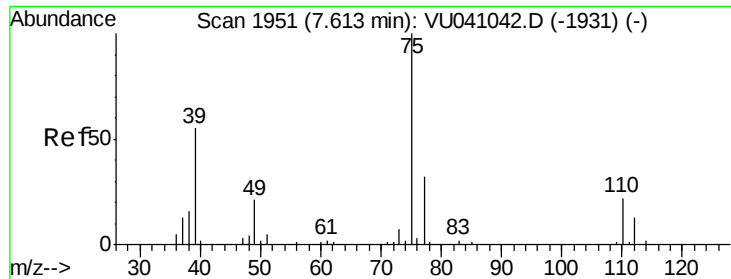
#37
1,2-Dichloropropane
Concen: 0.588 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041053.D
Acq: 02 Nov 2020 16:11

Tgt Ion: 63 Resp: 2797
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



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

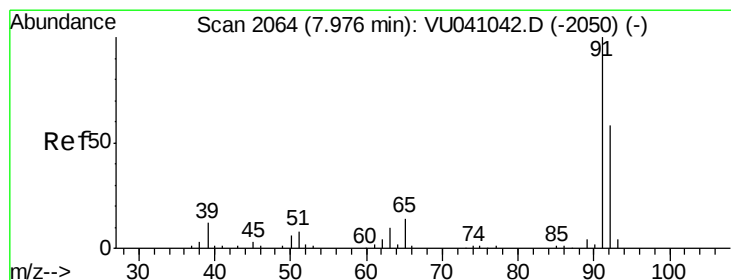
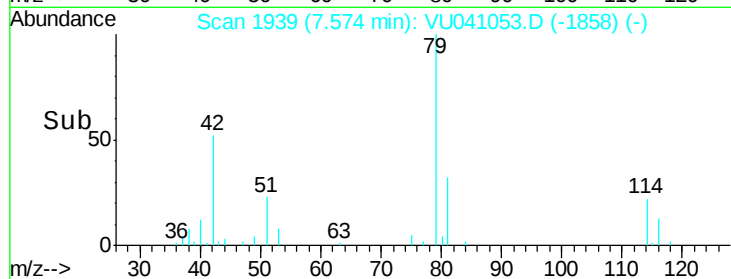
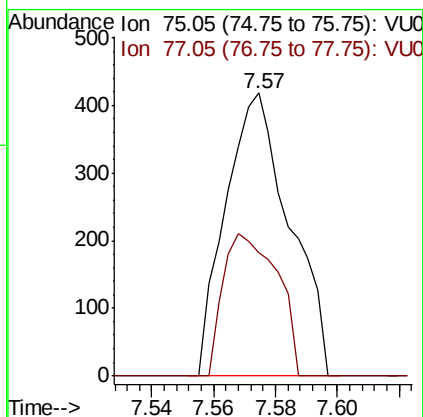
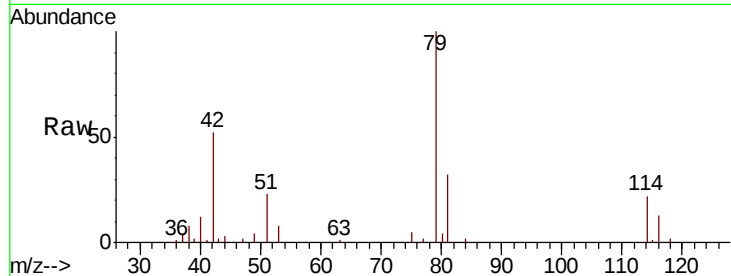




#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041053.D
 Acq: 02 Nov 2020 16:11

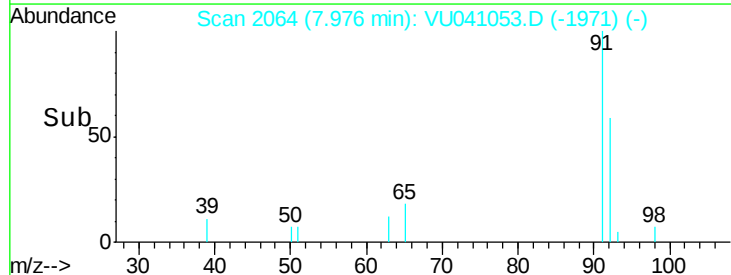
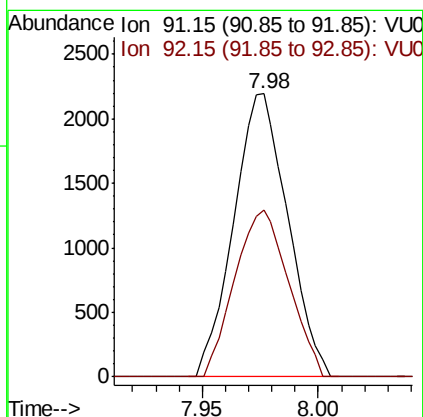
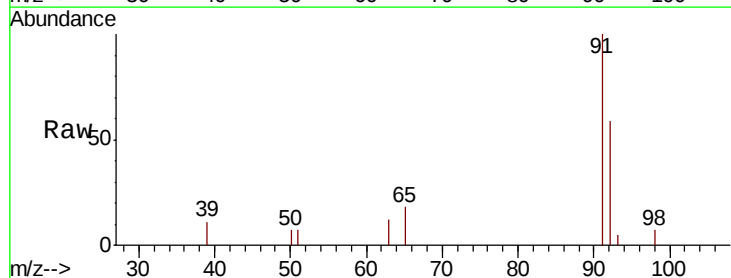
Instrument :
 MSVOA_U
 ClientSampleId :
 BFSS4

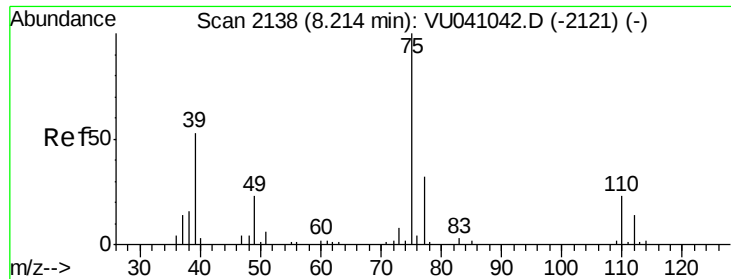
Tot Ion: 75 Resp: 602
 Ion Ratio Lower Upper
 75 100
 77 43.5 22.7 42.3#



#42
 Toluene
 Concen: 0.199 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VU041053.D
 Acq: 02 Nov 2020 16:11

Tgt Ion: 91 Resp: 3542
 Ion Ratio Lower Upper
 91 100
 92 59.1 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 0.061 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041053.D

Acq: 02 Nov 2020 16:11

Instrument :

MSVOA_U

ClientSampleId :

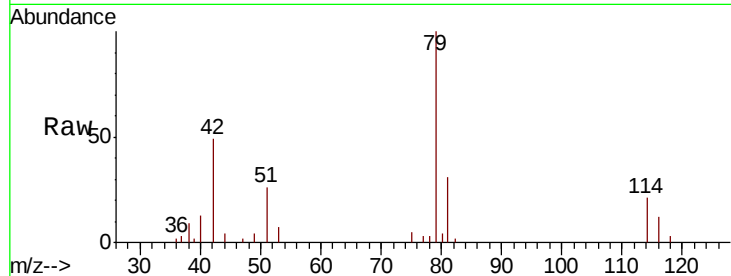
BFSS4

Tot Ion: 75 Resp: 372

Ion Ratio Lower Upper

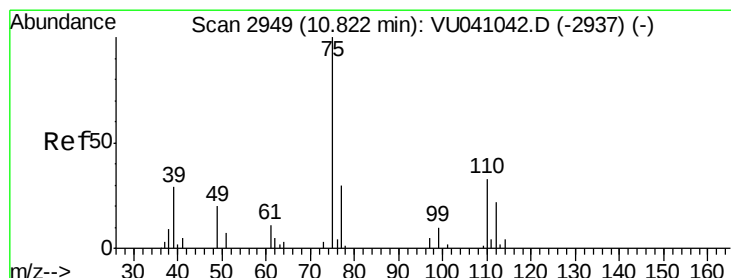
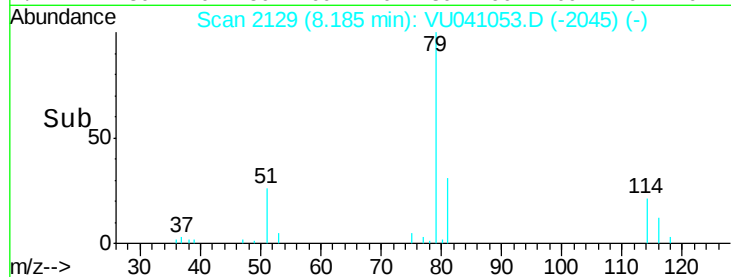
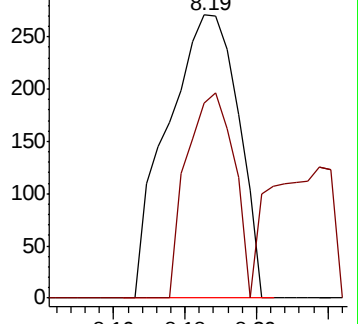
75 100

77 69.0 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#59

1,2,3-Trichloropropane

Concen: 1.046 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041053.D

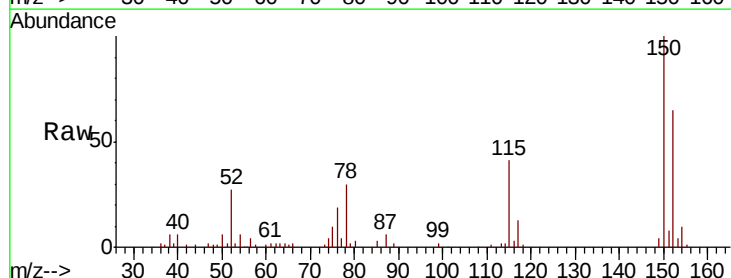
Acq: 02 Nov 2020 16:11

Tgt Ion: 75 Resp: 3707

Ion Ratio Lower Upper

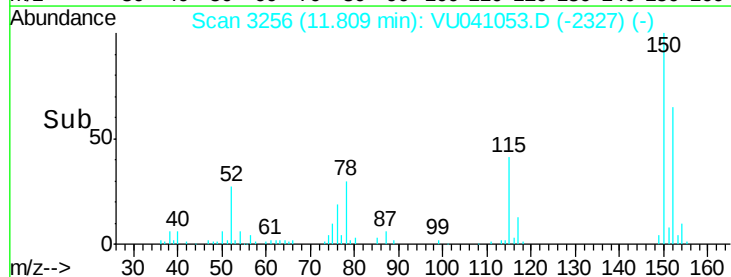
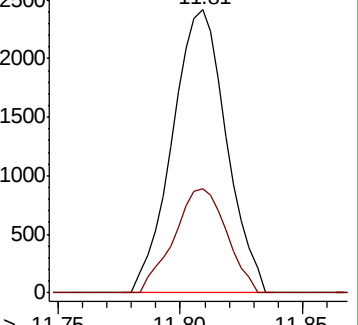
75 100

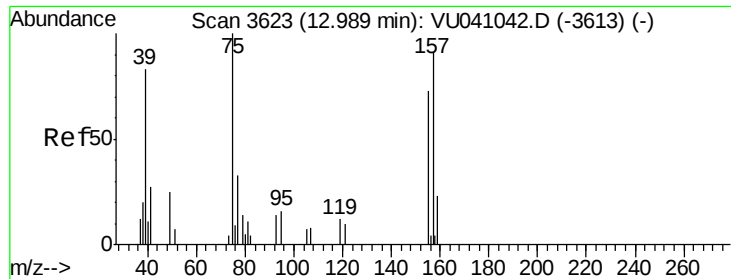
77 36.0 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#66

1,2-Dibromo-3-chloropropane

Concen: 0.087 ug/L

RT: 12.76 min Scan# 3552

Delta R.T. -0.23 min

Lab File: VU041053.D

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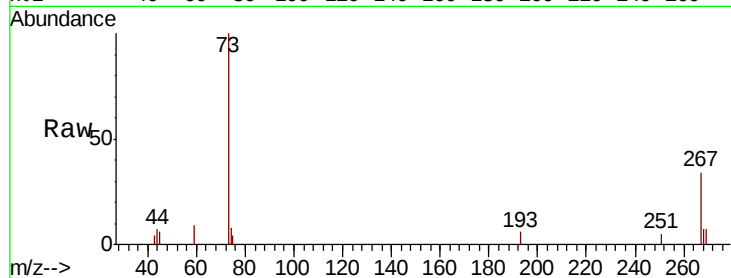
Tot Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

155 0.0 61.4 92.2#

157 0.0 74.2 111.4#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

