

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101420\
 Data File : VU040698.D
 Acq On : 14 Oct 2020 15:00
 Operator : SY/MD
 Sample : L4401-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSC4

Quant Time: Oct 15 05:31:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 15 05:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	138529	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	140577	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	58849	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	47693	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.92	69	40298	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.58	63	71432	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	4.65	46	172359	46.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.84%
24) Chloroform-d	5.08	84	88878	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.72	65	56290	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.74	84	167131	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.70	67	55868	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.80%
41) Toluene-d8	7.91	98	137437	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	8.19	79	21671	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
46) 2-Hexanone-d5	8.64	63	122190	44.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.94%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50268	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	54608	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

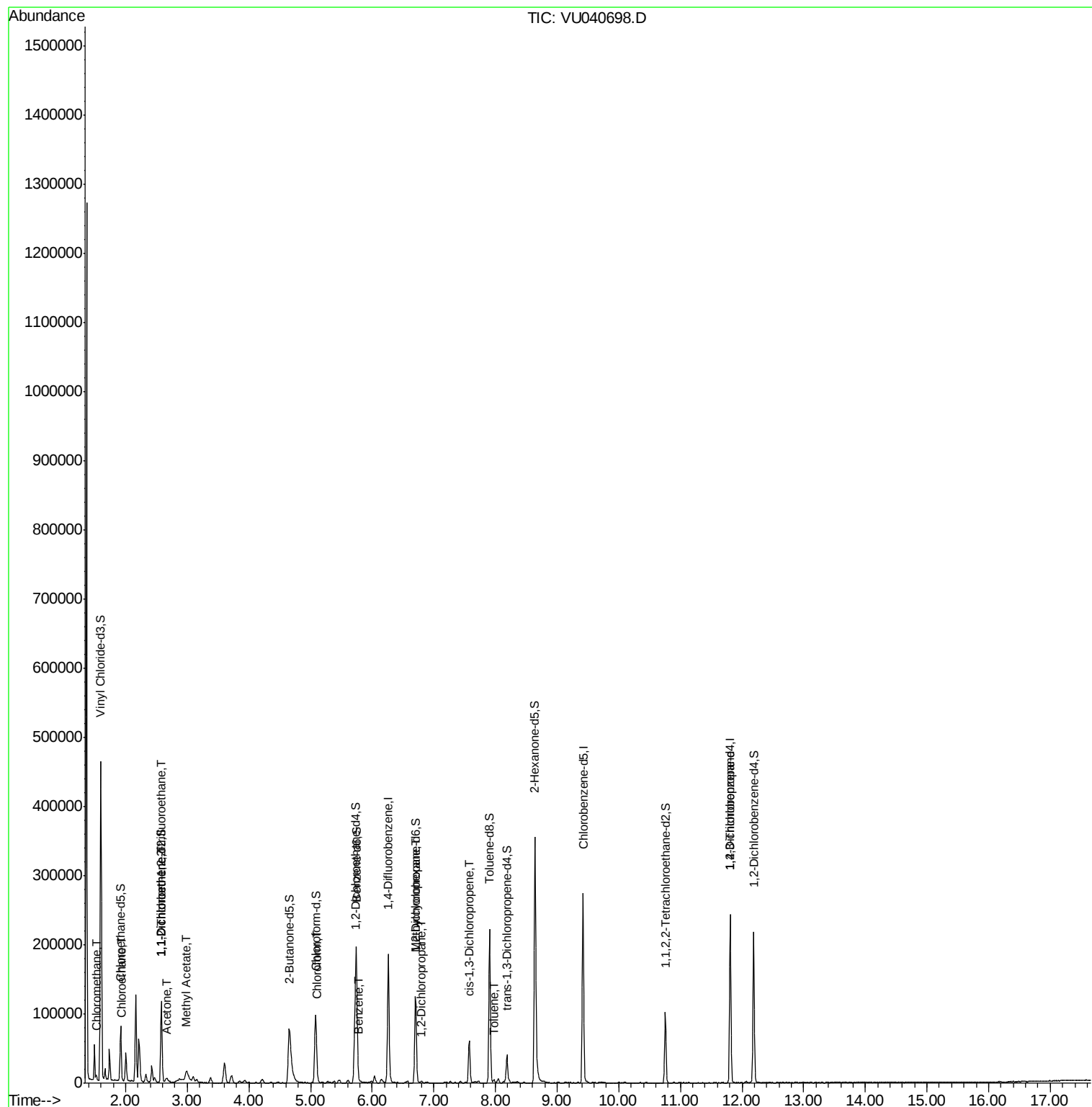
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	5303	0.452	ug/L	84
8) Chloroethane	1.94	64	408	0.052	ug/L #	67
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	666	0.058	ug/L #	20
12) 1,1-Dichloroethene	2.58	96	580	0.059	ug/L #	1
13) Acetone	2.67	43	13330	4.682	ug/L	83
15) Methyl Acetate	2.98	43	4204	0.647	ug/L #	56
25) Chloroform	5.11	83	2102	0.096	ug/L	96
33) Benzene	5.79	78	1933	0.043	ug/L	100
35) Methylcyclohexane	6.70	83	13727	0.827	ug/L #	14
37) 1,2-Dichloropropane	6.80	63	790	0.063	ug/L #	87
39) cis-1,3-Dichloropropene	7.58	75	1588	0.092	ug/L #	60
42) Toluene	7.98	91	2021	0.044	ug/L	91
59) 1,2,3-Trichloropropane	11.81	75	8087	0.875	ug/L	92

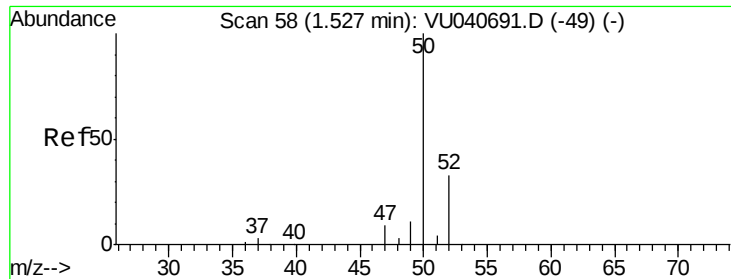
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.452 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040698.D

Acq: 14 Oct 2020 15:00

Instrument :

MSVOA_U

ClientSampleId :

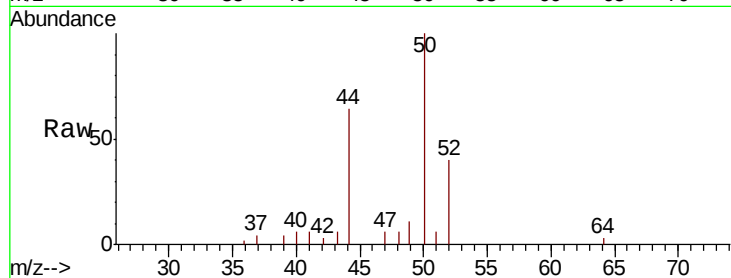
BFSC4

Tot Ion: 50 Resp: 5303

Ion Ratio Lower Upper

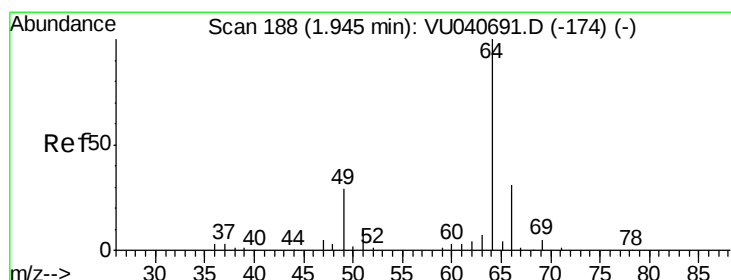
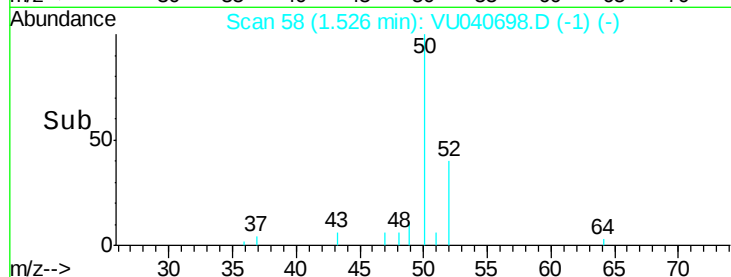
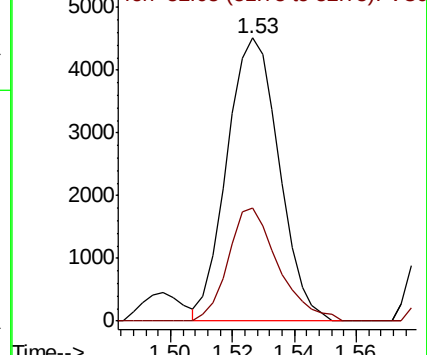
50 100

52 40.1 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040698.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU040698.D (-1) (-)



#8

Chloroethane

Concen: 0.052 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU040698.D

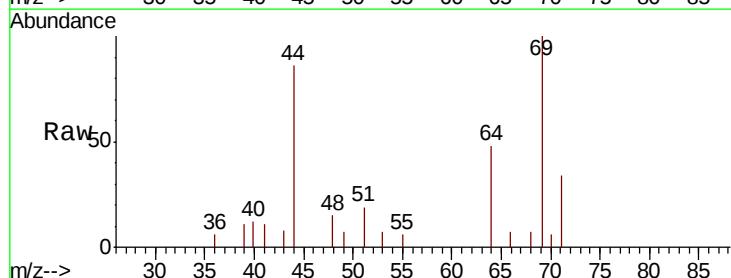
Acq: 14 Oct 2020 15:00

Tgt Ion: 64 Resp: 408

Ion Ratio Lower Upper

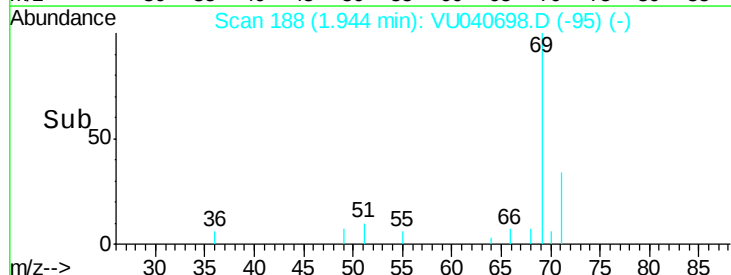
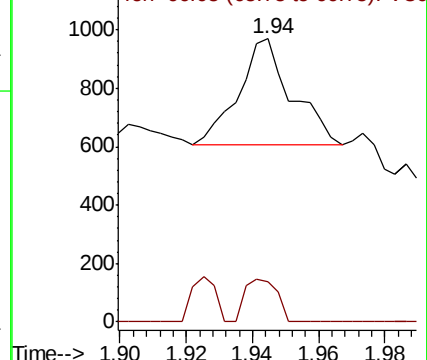
64 100

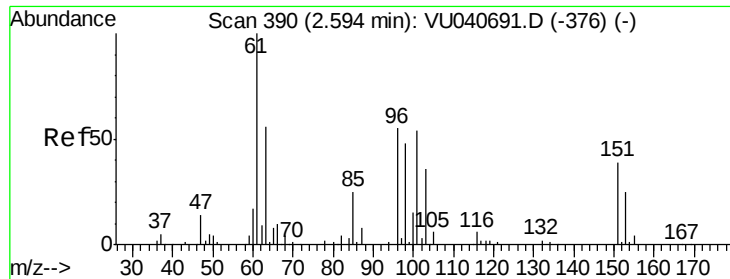
66 14.3 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU040698.D (-95) (-)

Ion 66.05 (65.75 to 66.75): VU040698.D (-95) (-)





#10

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

Concen: 0.058 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040698.D

Acq: 14 Oct 2020 15:00

Instrument :

MSVOA_U

ClientSampleId :

BFSC4

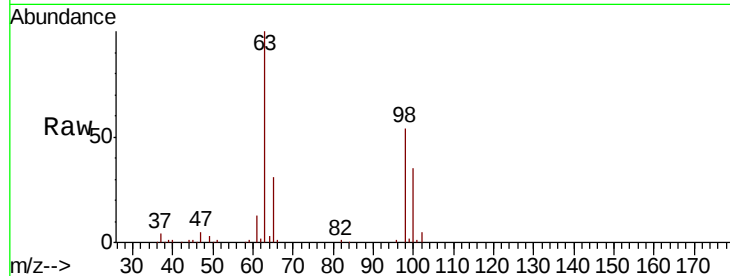
Tot Ion:101 Resp: 666

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

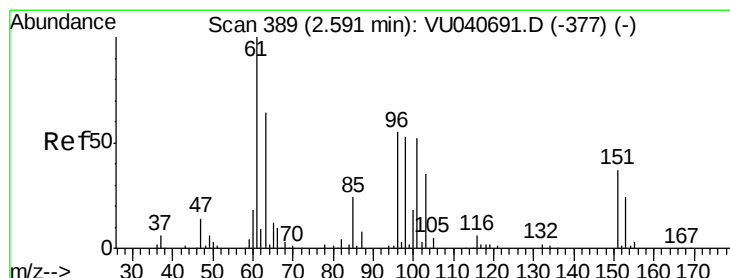
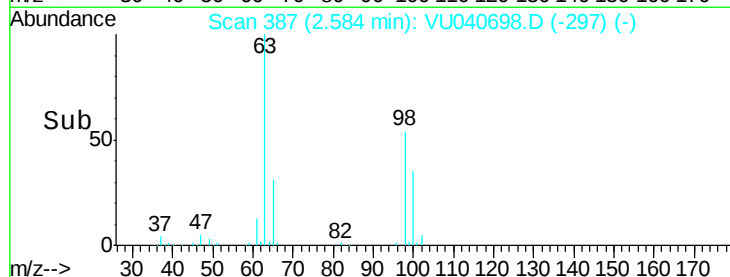
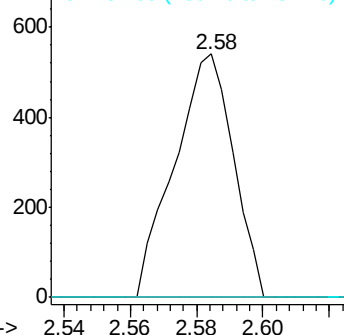
151 0.0 58.0 87.0#



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



#12

1,1-Dichloroethene

Concen: 0.059 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU040698.D

Acq: 14 Oct 2020 15:00

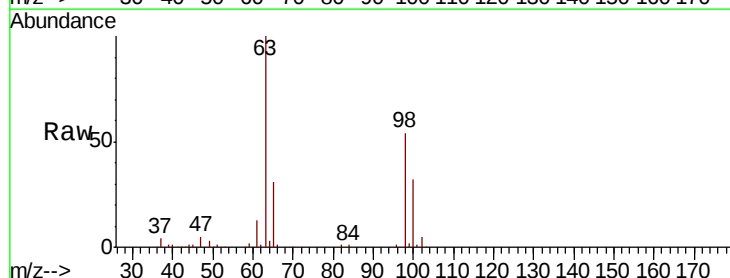
Tgt Ion: 96 Resp: 580

Ion Ratio Lower Upper

96 100

61 1309.5 128.8 239.2#

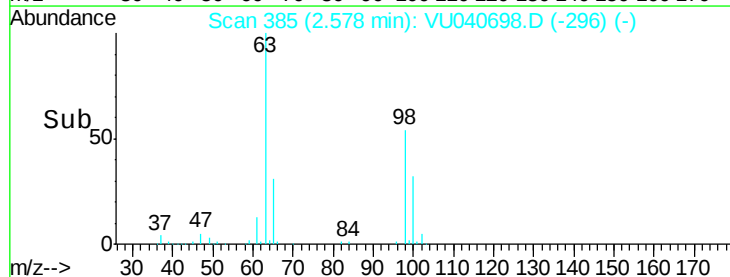
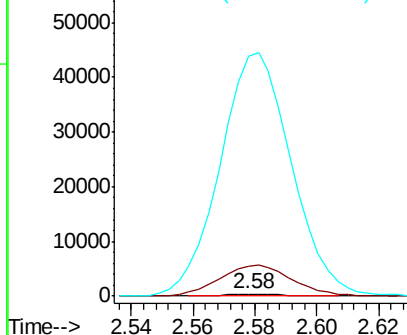
63 10401.9 84.6 157.2#

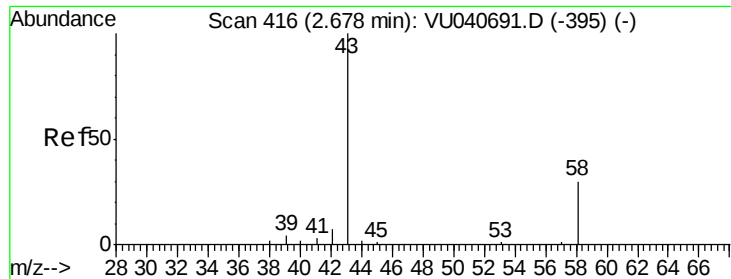


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

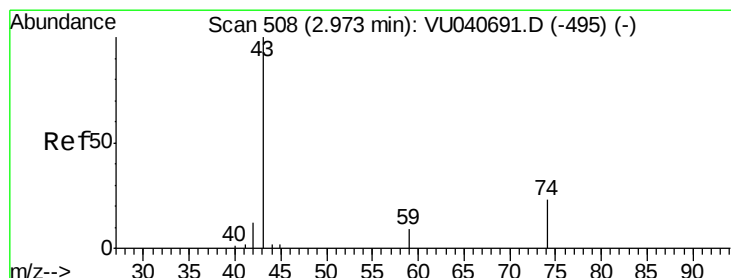
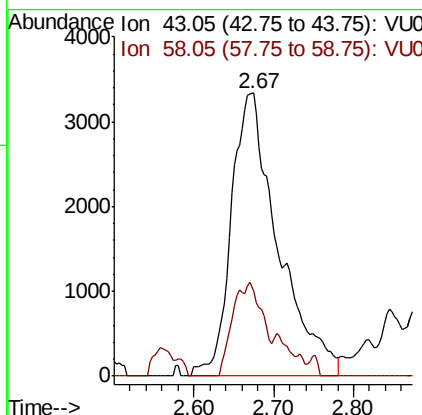
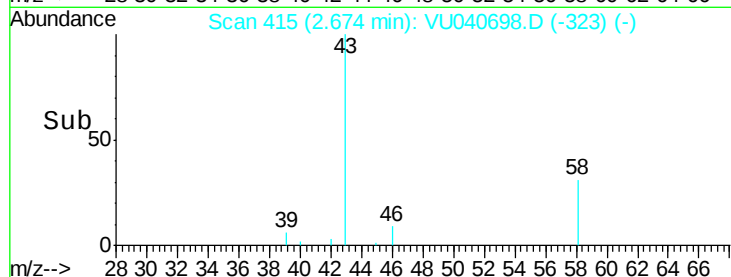
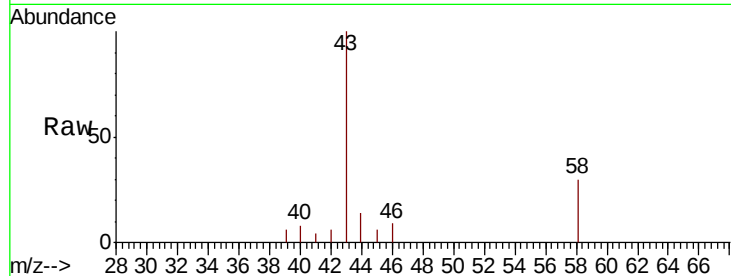




#13
Acetone
Concen: 4.682 ug/L
RT: 2.67 min Scan# 415
Delta R.T. -0.00 min
Lab File: VU040698.D
Acq: 14 Oct 2020 15:00

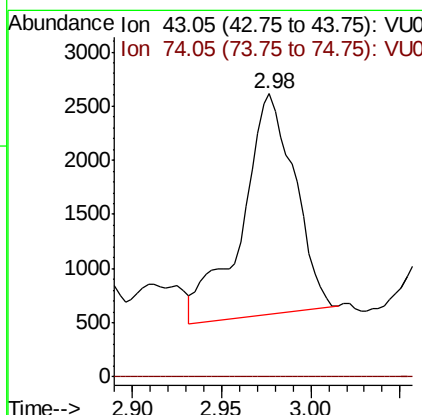
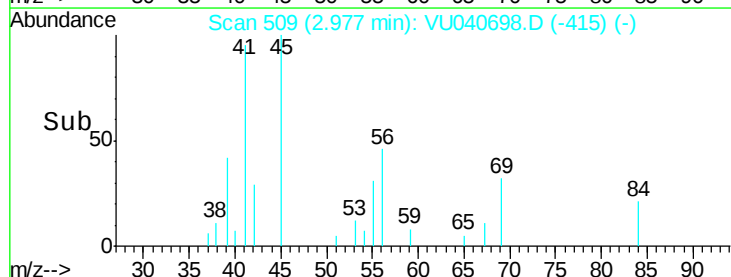
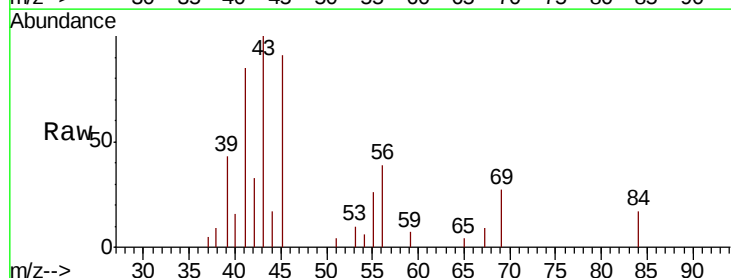
Instrument :
MSVOA_U
ClientSampleId :
BFSC4

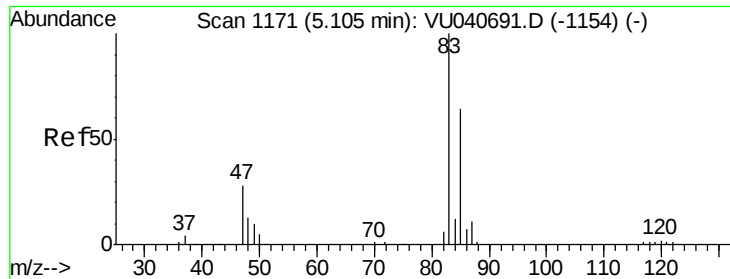
Tot Ion: 43 Resp: 13330
Ion Ratio Lower Upper
43 100
58 21.0 0.0 60.6



#15
Methyl Acetate
Concen: 0.647 ug/L
RT: 2.98 min Scan# 509
Delta R.T. 0.00 min
Lab File: VU040698.D
Acq: 14 Oct 2020 15:00

Tgt Ion: 43 Resp: 4204
Ion Ratio Lower Upper
43 100
74 0.0 16.5 24.7#

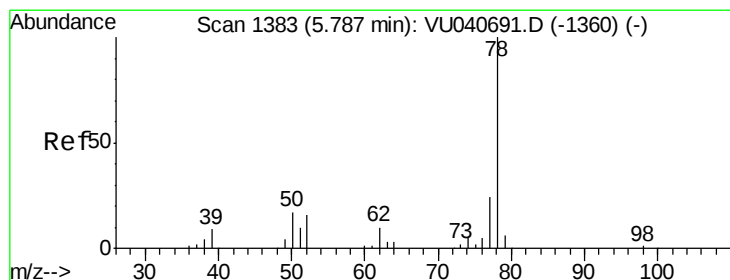
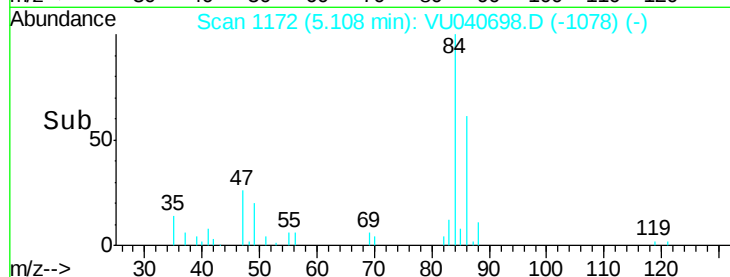
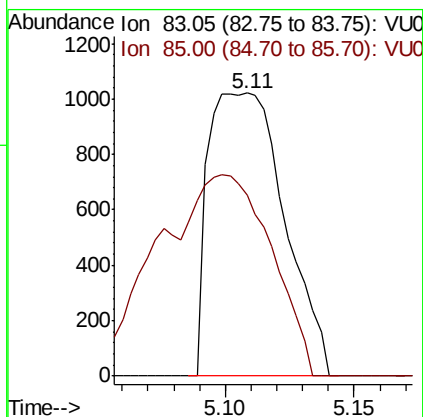
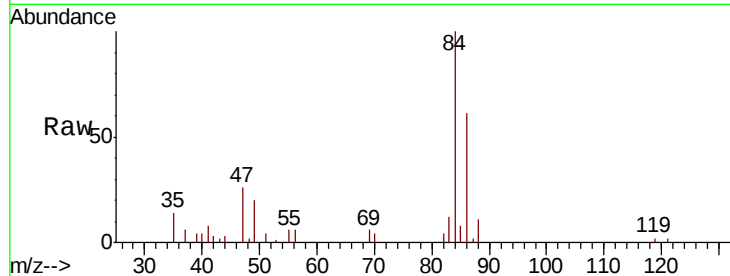




#25
Chloroform
Concen: 0.096 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040698.D
Acq: 14 Oct 2020 15:00

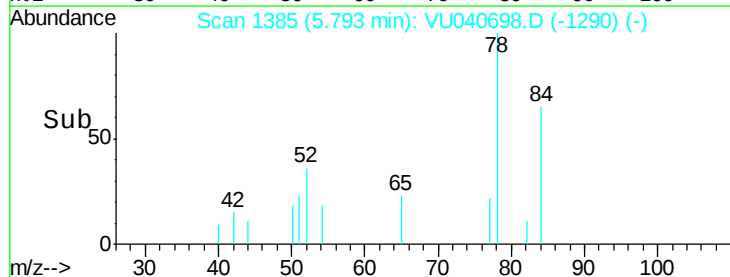
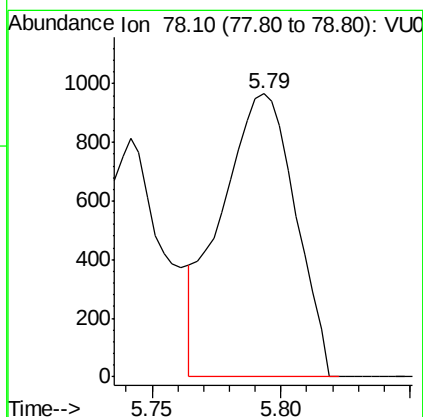
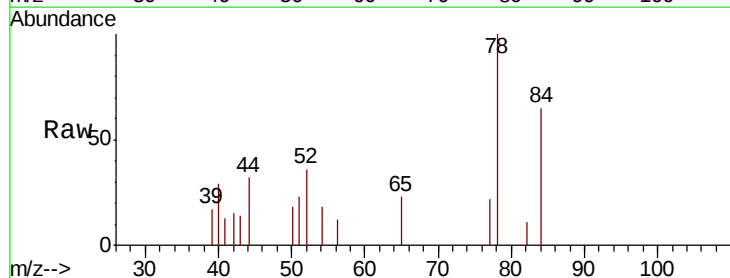
Instrument :
MSVOA_U
ClientSampled :
BFSC4

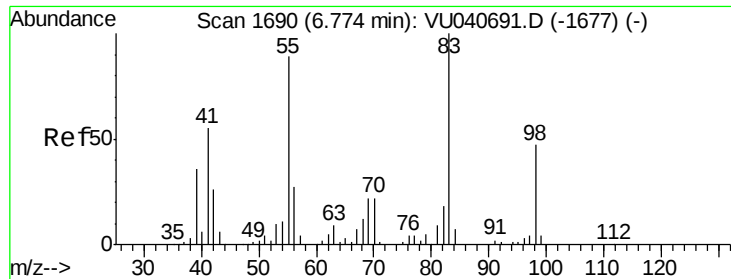
Tot Ion: 83 Resp: 2102
Ion Ratio Lower Upper
83 100
85 63.7 46.5 86.5



#33
Benzene
Concen: 0.043 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.01 min
Lab File: VU040698.D
Acq: 14 Oct 2020 15:00

Tgt Ion: 78 Resp: 1933

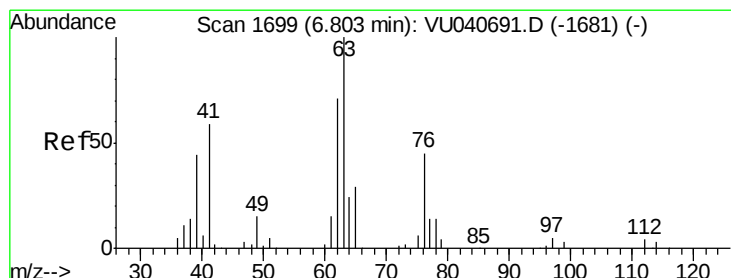
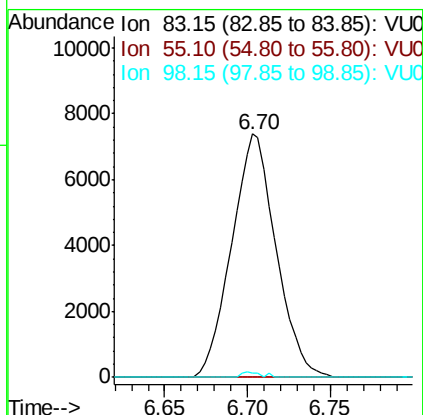
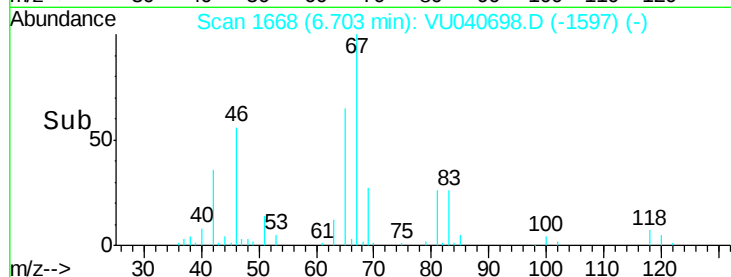
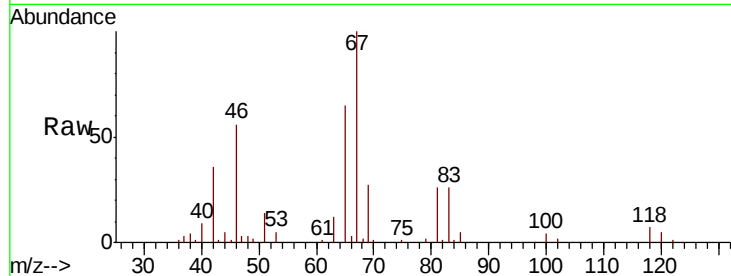




#35
Methvlcvclohexane
Concen: 0.827 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040698.D
Acq: 14 Oct 2020 15:00

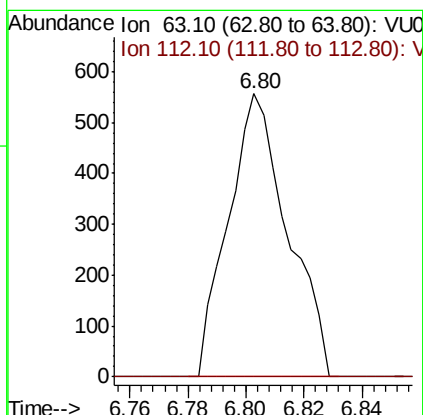
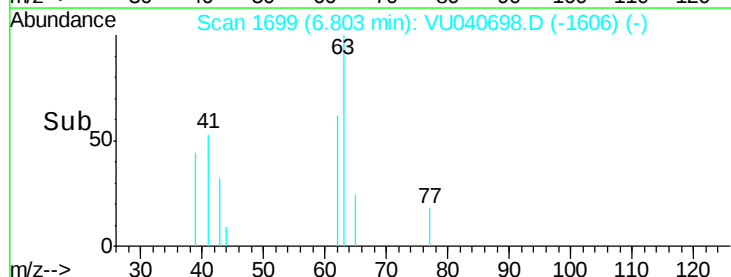
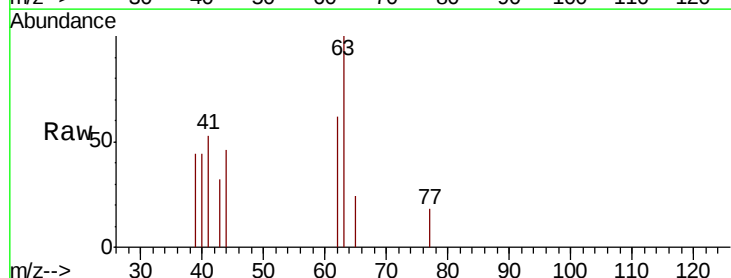
Instrument :
MSVOA_U
ClientSampleId :
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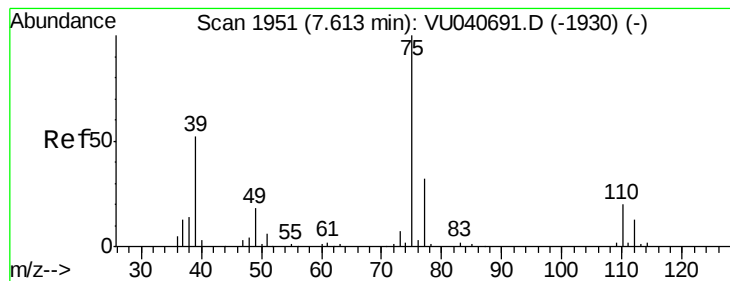
Tot Ion: 83 Resp: 13727
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.9 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.063 ug/L
RT: 6.80 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VU040698.D
Acq: 14 Oct 2020 15:00

Tgt Ion: 63 Resp: 790
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU040698.D

Acq: 14 Oct 2020 15:00

Instrument :

MSVOA_U

ClientSampleId :

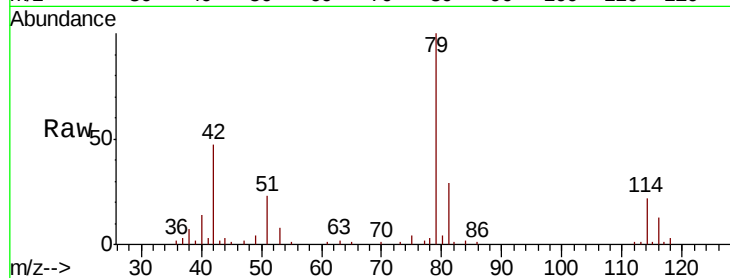
BFSC4

Tot Ion: 75 Resp: 1588

Ion Ratio Lower Upper

75 100

77 50.7 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

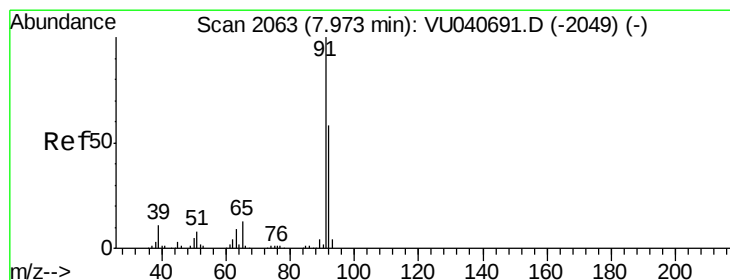
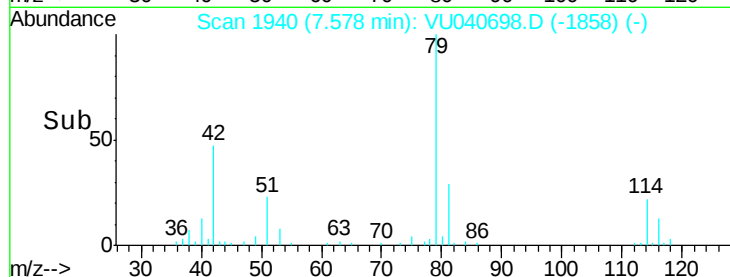
600

400

200

0

Time-->



#42

Toluene

Concen: 0.044 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040698.D

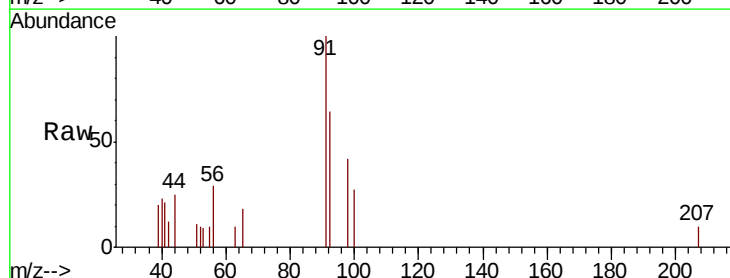
Acq: 14 Oct 2020 15:00

Tgt Ion: 91 Resp: 2021

Ion Ratio Lower Upper

91 100

92 64.1 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

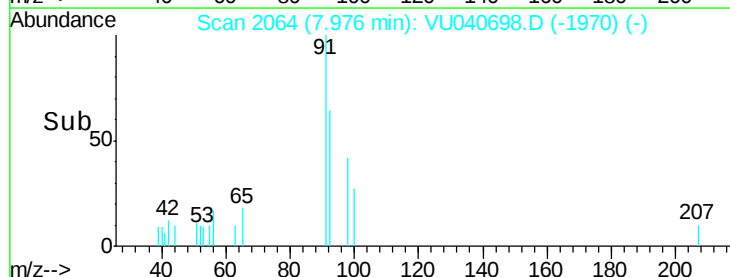
7.98

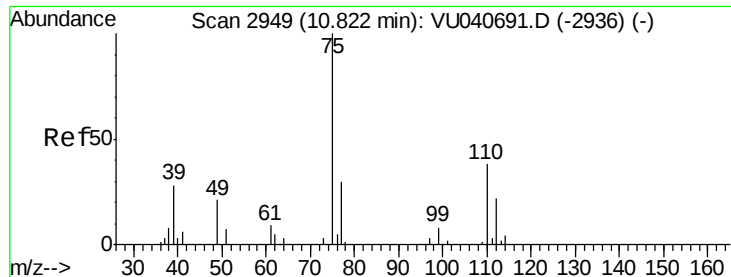
1000

500

0

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.875 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040698.D

Acq: 14 Oct 2020 15:00

Instrument :

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ClientSampleId :

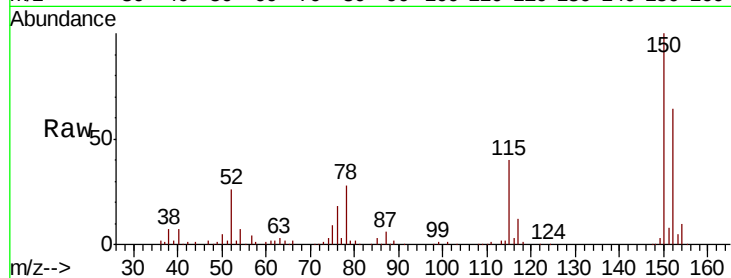
BFSC4

Tot Ion: 75 Resp: 8087

Ion Ratio Lower Upper

75 100

77 37.4 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

