

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101420\
 Data File : VU040696.D
 Acq On : 14 Oct 2020 14:13
 Operator : SY/MD
 Sample : L4401-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSC2

Quant Time: Oct 15 05:31:11 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	132412	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	136251	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55777	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	50550	4.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.20%
7) Chloroethane-d5	1.92	69	42909	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.58	63	80595	3.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.20%
20) 2-Butanone-d5	4.66	46	175440	49.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.94%
24) Chloroform-d	5.08	84	98079	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.72	65	59248	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.74	84	182952	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.70	67	61466	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.91	98	147549	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	8.19	79	23834	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.64	63	122825	46.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.24%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50950	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	56624	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	6061	0.540	ug/L 91
8) Chloroethane	1.94	64	288	0.038	ug/L # 41
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	690	0.063	ug/L # 20
13) Acetone	2.66	43	2413	0.887	ug/L 95
14) Carbon disulfide	2.80	76	1145	0.043	ug/L # 76
15) Methyl Acetate	2.98	43	1485	0.239	ug/L # 56
25) Chloroform	5.10	83	2854	0.137	ug/L 91
27) 1,2-Dichloroethane	5.75	62	1001	0.068	ug/L # 77
34) Trichloroethene	6.27	95	2301	0.203	ug/L # 5
35) Methylcyclohexane	6.70	83	14561	0.905	ug/L # 14
37) 1,2-Dichloropropane	6.70	63	7403	0.607	ug/L # 87
39) cis-1,3-Dichloropropene	7.57	75	1720	0.103	ug/L # 35
44) trans-1,3-Dichloropropene	8.19	75	1055	0.069	ug/L # 65
47) Tetrachloroethene	8.56	164	1675	0.207	ug/L 85
48) 2-Hexanone	8.64	43	17199	2.376	ug/L # 71
49) Dibromochloromethane	8.56	129	1681	0.160	ug/L # 9
59) 1,2,3-Trichloropropane	11.81	75	7970	0.890	ug/L 92

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QLast Update : Thu Oct 15 05:23:17 2020
Response via : Initial Calibration

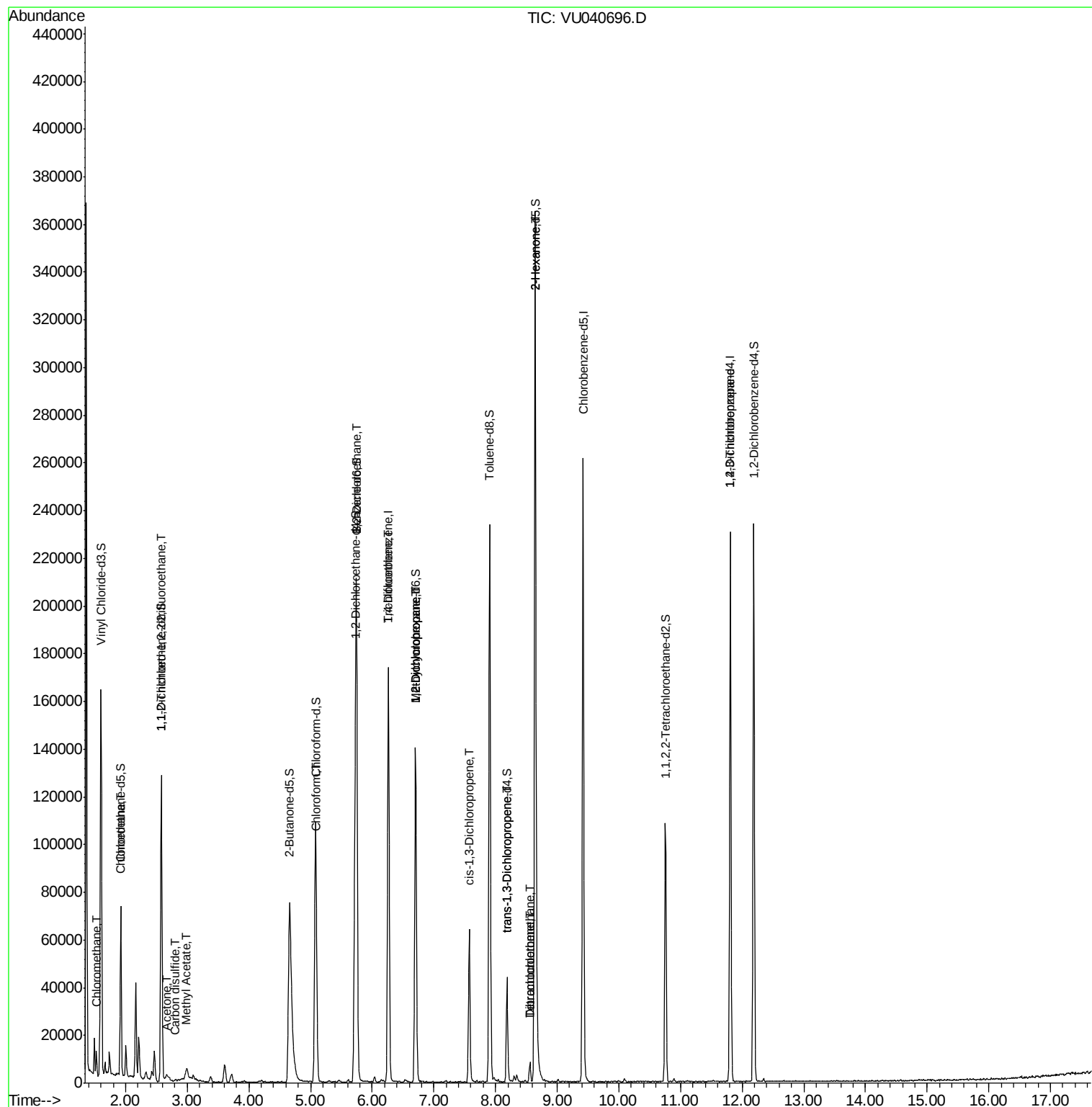
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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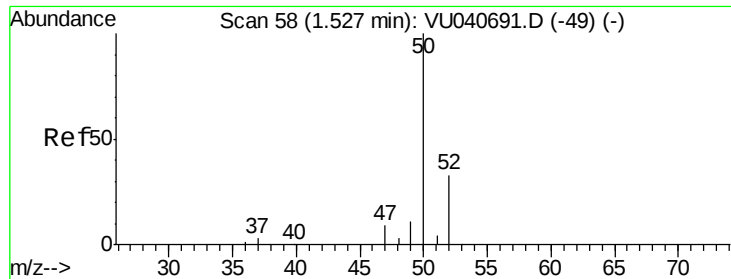
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.540 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040696.D

Acq: 14 Oct 2020 14:13

Instrument :

MSVOA_U

ClientSampleId :

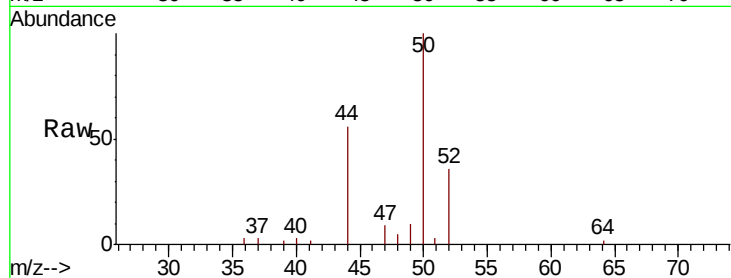
BFSC2

Tot Ion: 50 Resp: 6061

Ion Ratio Lower Upper

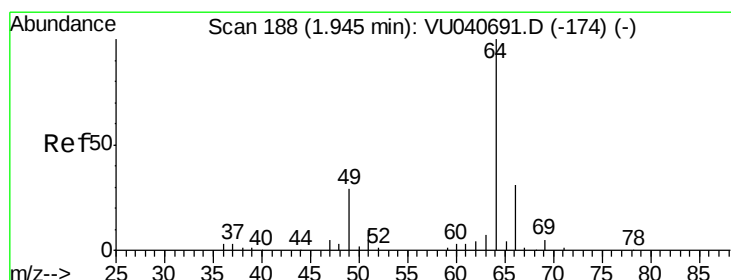
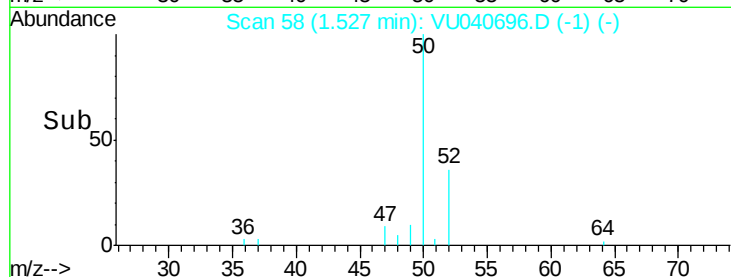
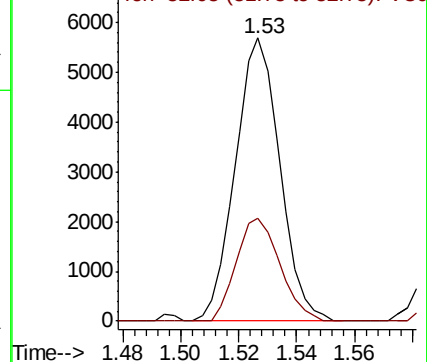
50 100

52 36.4 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.038 ug/L

RT: 1.94 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU040696.D

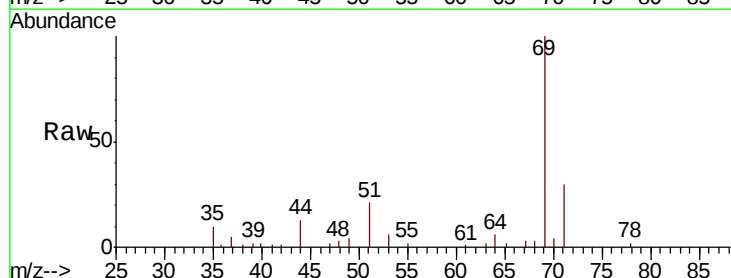
Acq: 14 Oct 2020 14:13

Tgt Ion: 64 Resp: 288

Ion Ratio Lower Upper

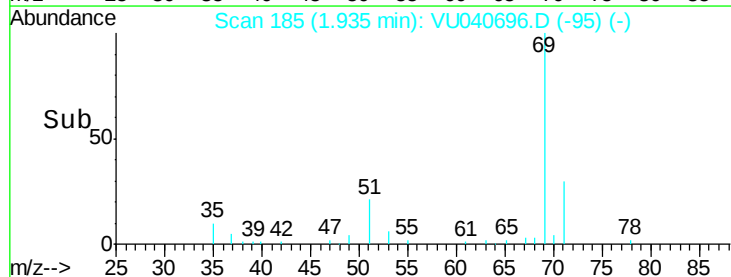
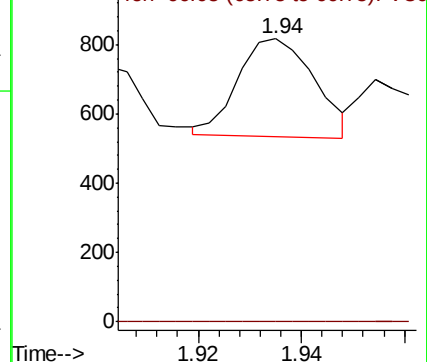
64 100

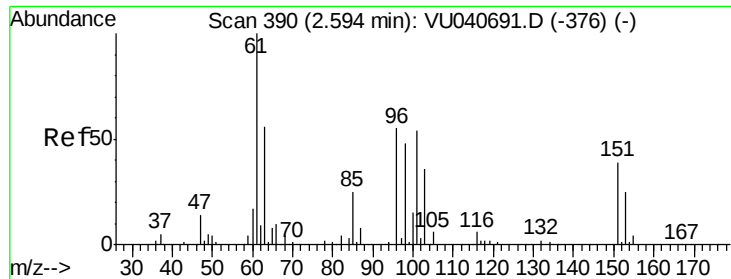
66 0.0 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.063 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040696.D

Acq: 14 Oct 2020 14:13

Instrument :

MSVOA_U

ClientSampled :

BFSC2

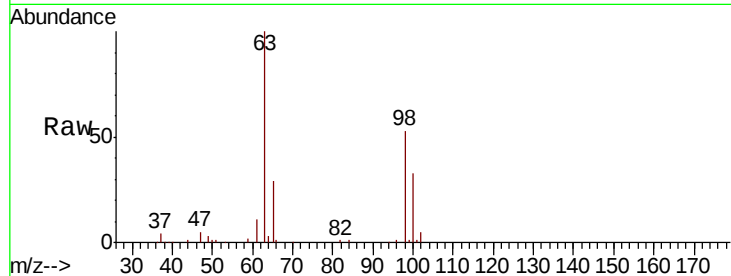
Tot Ion:101 Resp: 690

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

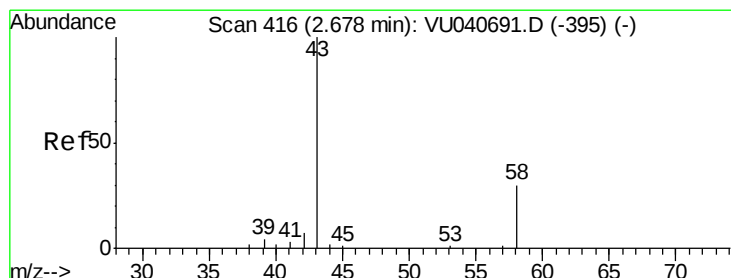
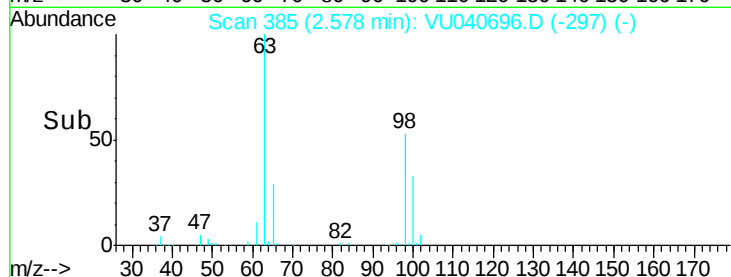
2.58

400

200

0

Time--> 2.54 2.56 2.58 2.60



#13

Acetone

Concen: 0.887 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU040696.D

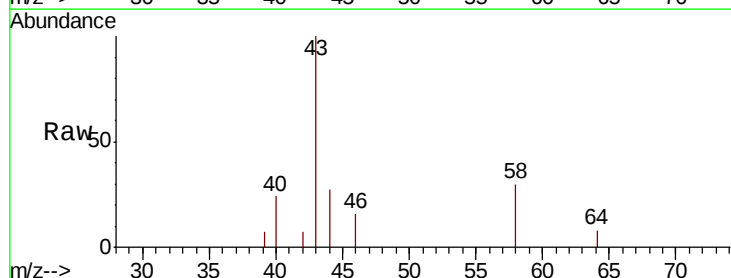
Acq: 14 Oct 2020 14:13

Tgt Ion: 43 Resp: 2413

Ion Ratio Lower Upper

43 100

58 27.6 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.66

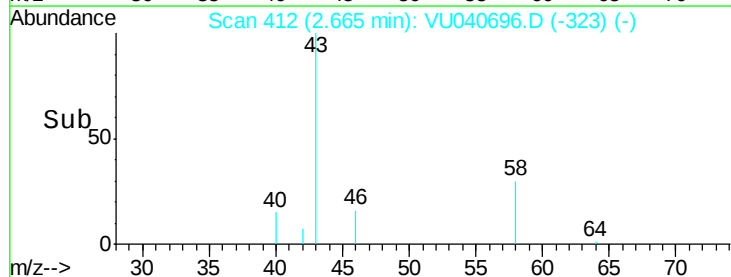
1500

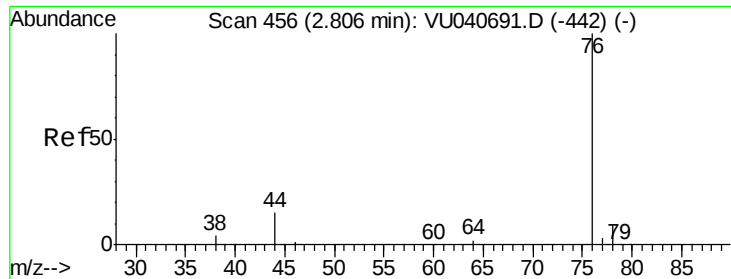
1000

500

0

Time--> 2.60 2.62 2.64 2.66 2.68





#14

Carbon disulfide

Concen: 0.043 ug/L

RT: 2.80 min Scan# 454

Delta R.T. -0.01 min

Lab File: VU040696.D

Acq: 14 Oct 2020 14:13

Instrument :

MSVOA_U

ClientSampleId :

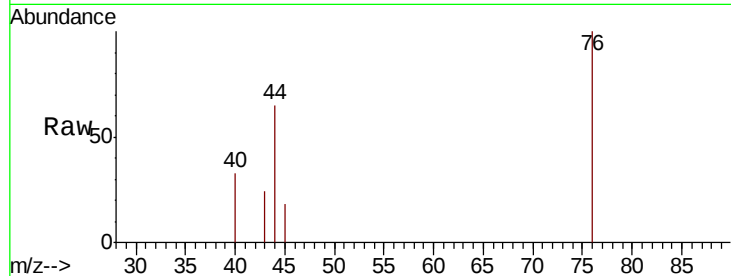
BFSC2

Tot Ion: 76 Resp: 1145

Ion Ratio Lower Upper

76 100

78 0.0 6.8 10.2#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.80

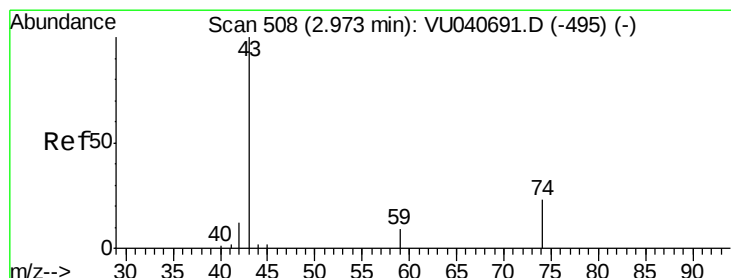
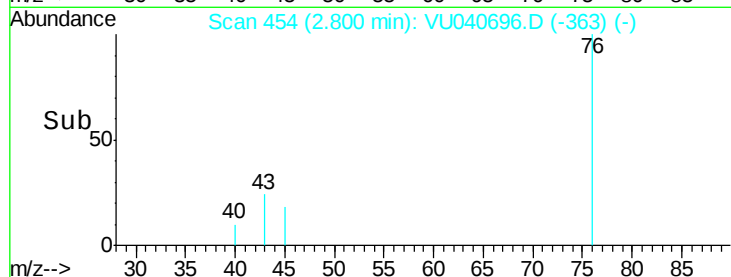
600

400

200

0

Time-->



#15

Methyl Acetate

Concen: 0.239 ug/L

RT: 2.98 min Scan# 509

Delta R.T. 0.00 min

Lab File: VU040696.D

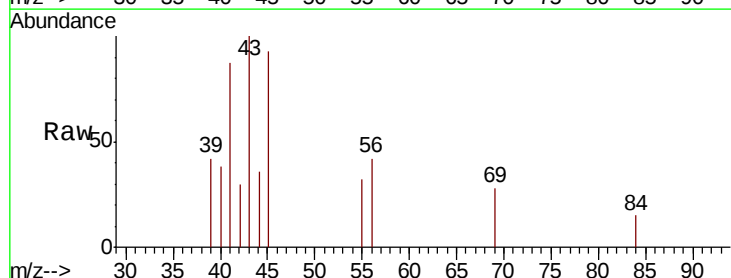
Acq: 14 Oct 2020 14:13

Tgt Ion: 43 Resp: 1485

Ion Ratio Lower Upper

43 100

74 0.0 16.5 24.7#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.98

1000

800

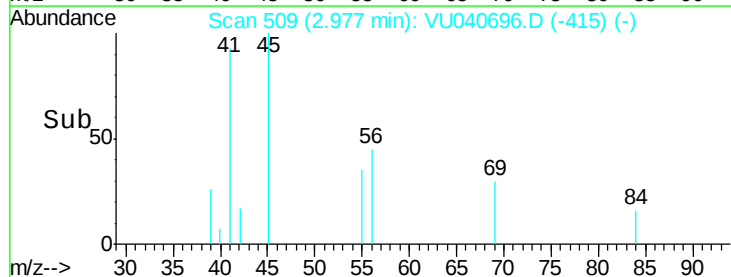
600

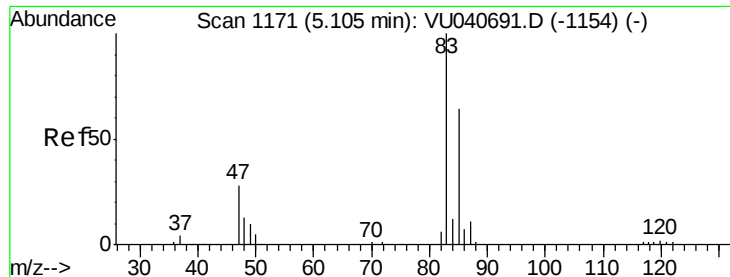
400

200

0

Time-->

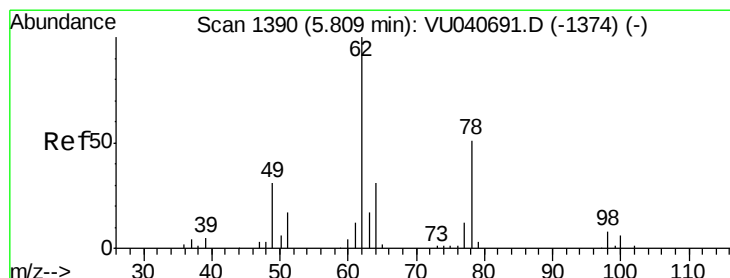
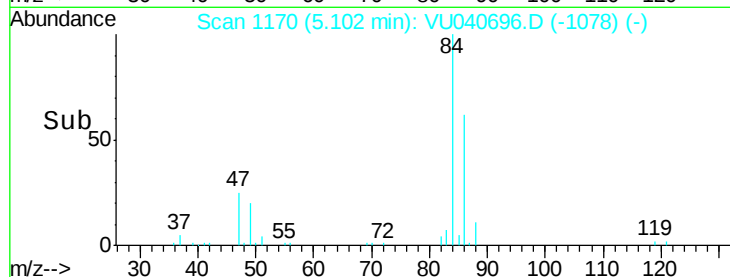
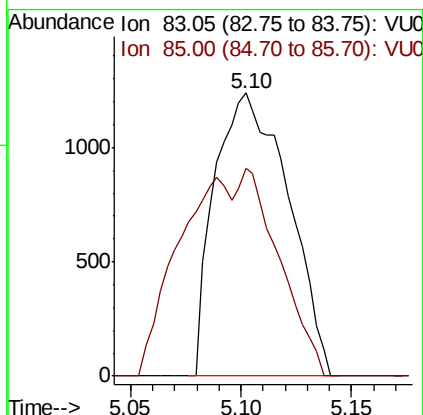
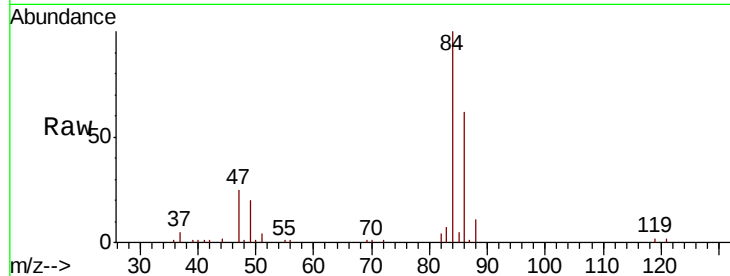




#25
Chloroform
Concen: 0.137 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040696.D
Acq: 14 Oct 2020 14:13

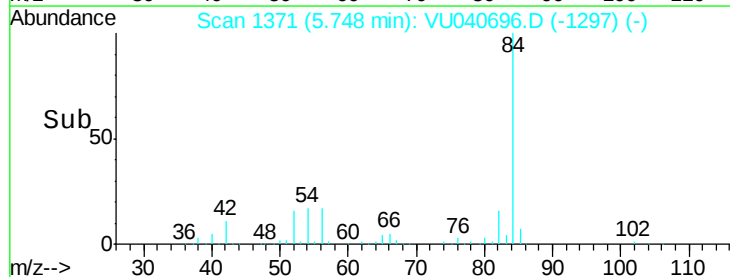
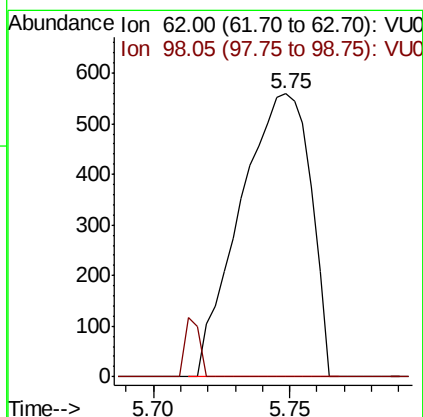
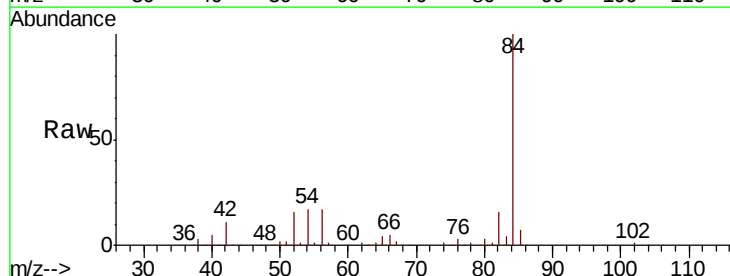
Instrument :
MSVOA_U
ClientSampled :
BFSC2

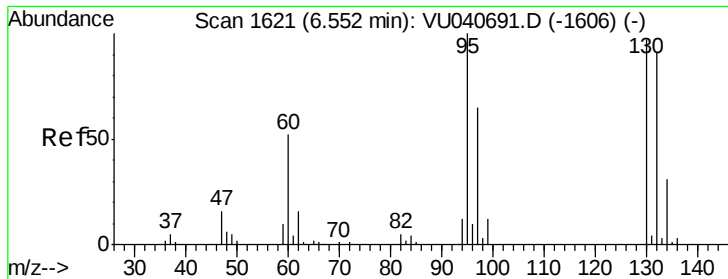
Tot Ion: 83 Resp: 2854
Ion Ratio Lower Upper
83 100
85 73.7 46.5 86.5



#27
1,2-Dichloroethane
Concen: 0.068 ug/L
RT: 5.75 min Scan# 1371
Delta R.T. -0.06 min
Lab File: VU040696.D
Acq: 14 Oct 2020 14:13

Tgt Ion: 62 Resp: 1001
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#34

Trichloroethene

Concen: 0.203 ug/L

RT: 6.27 min Scan# 1532

Delta R.T. -0.29 min

Lab File: VU040696.D

Acq: 14 Oct 2020 14:13

Instrument :

MSVOA_U

ClientSampleId :

BFSC2

Tot Ion: 95 Resp: 2301

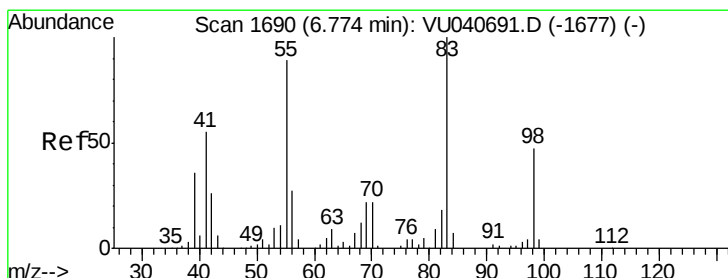
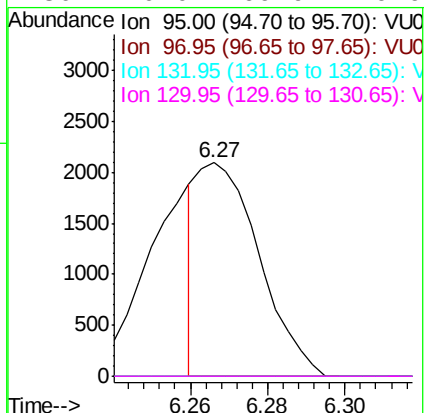
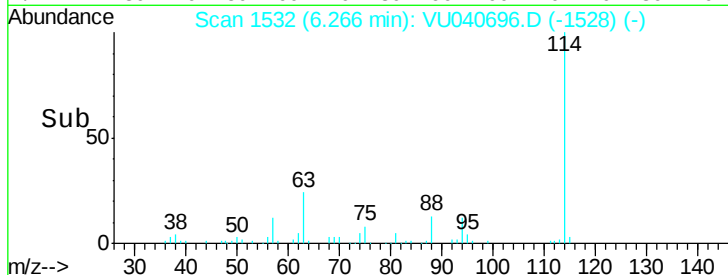
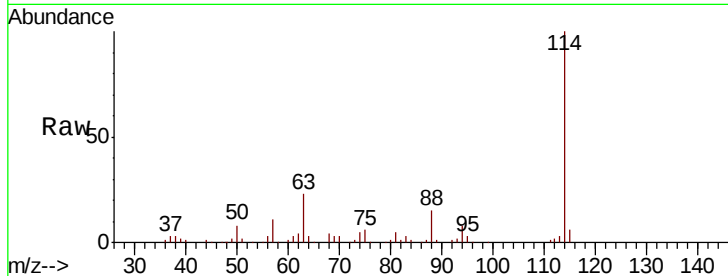
Ion Ratio Lower Upper

95 100

97 0.0 45.5 84.5#

132 0.0 67.5 125.4#

130 0.0 69.9 129.9#



#35

Methylcyclohexane

Concen: 0.905 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040696.D

Acq: 14 Oct 2020 14:13

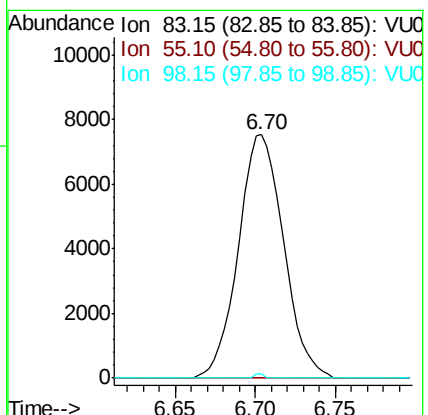
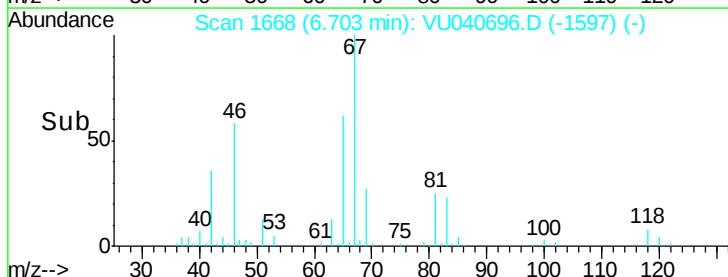
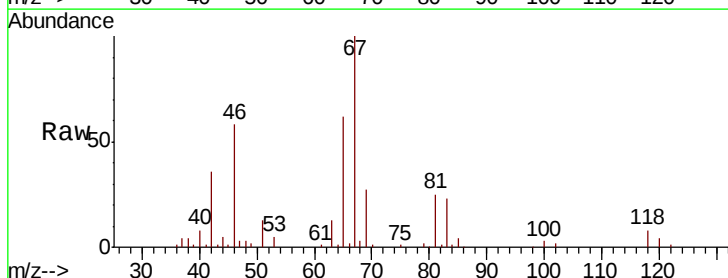
Tgt Ion: 83 Resp: 14561

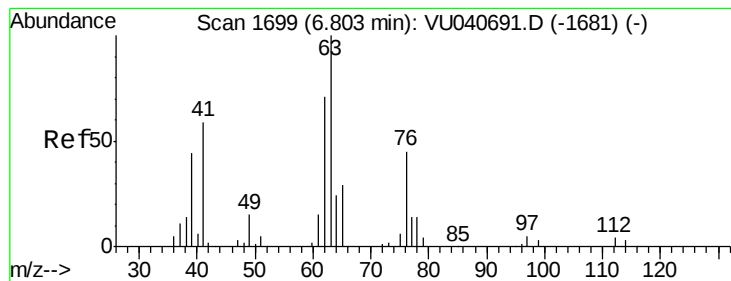
Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

98 0.3 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 0.607 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU040696.D

Acq: 14 Oct 2020 14:13

Instrument :

MSVOA_U

ClientSampled :

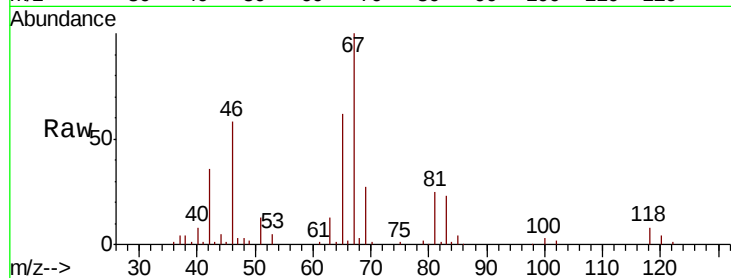
BFSC2

Tot Ion: 63 Resp: 7403

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU040696.D (-1668) (-)

Ion 112.10 (111.80 to 112.80): VU040696.D (-1668) (-)

6.70

4000

3000

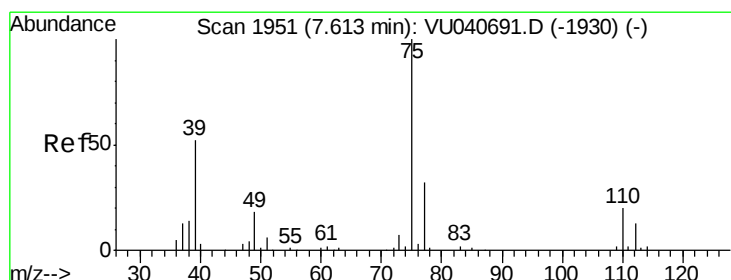
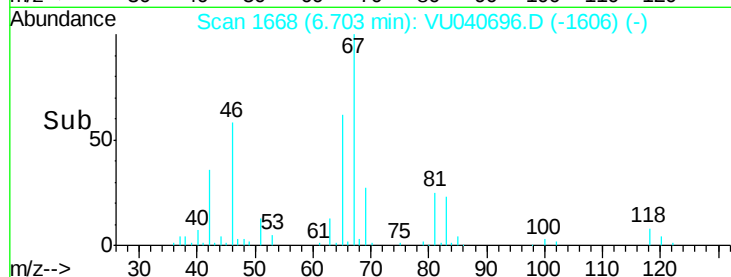
2000

1000

0

6.65 6.70 6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.103 ug/L

RT: 7.57 min Scan# 1937

Delta R.T. -0.04 min

Lab File: VU040696.D

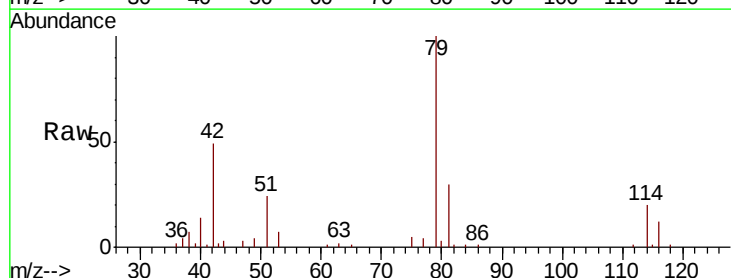
Acq: 14 Oct 2020 14:13

Tgt Ion: 75 Resp: 1720

Ion Ratio Lower Upper

75 100

77 64.3 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): VU040696.D (-1858) (-)

Ion 77.05 (76.75 to 77.75): VU040696.D (-1858) (-)

7.57

1000

800

600

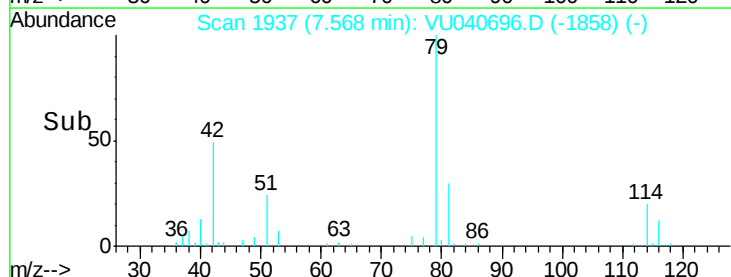
400

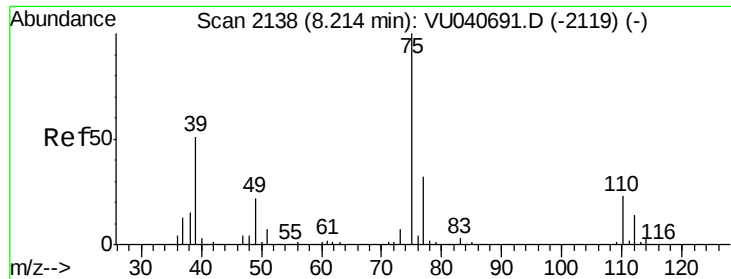
200

0

7.55 7.60

Time-->

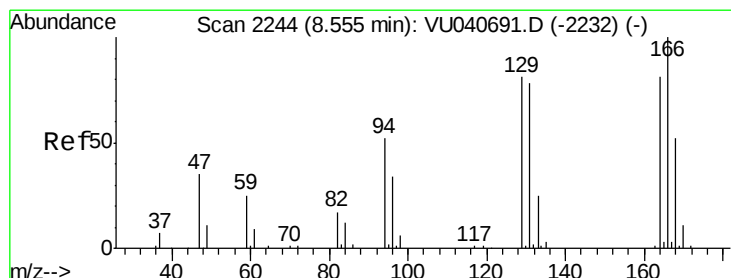
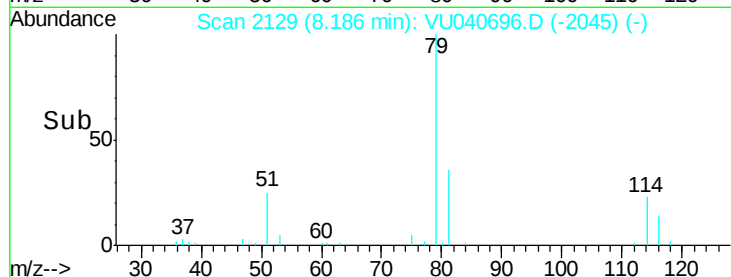
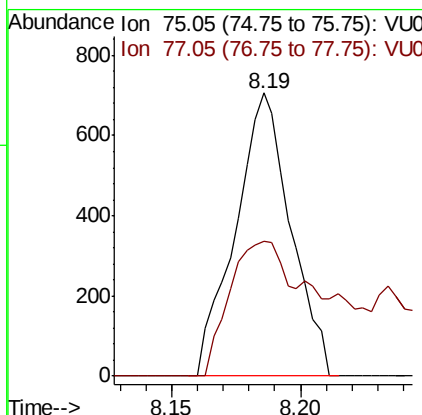
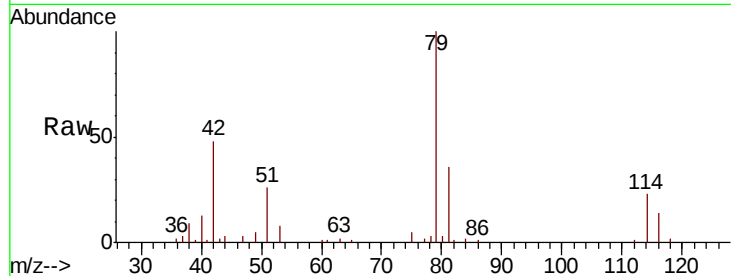




#44
trans-1,3-Dichloropropene
Concen: 0.069 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU040696.D
Acq: 14 Oct 2020 14:13

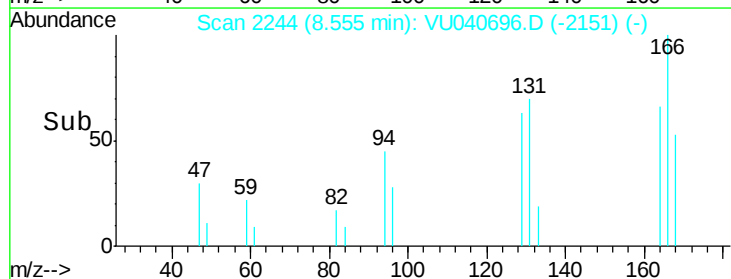
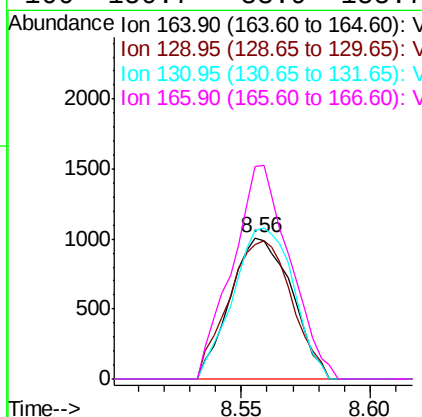
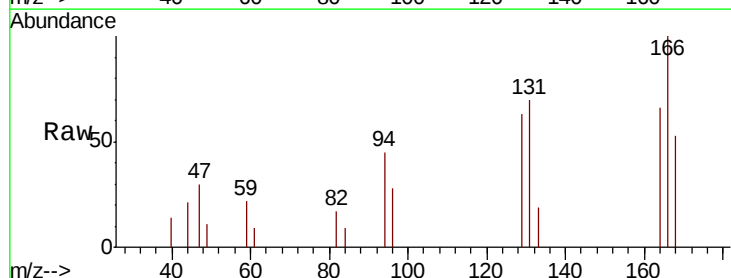
Instrument :
MSVOA_U
ClientSampleId :
BFSC2

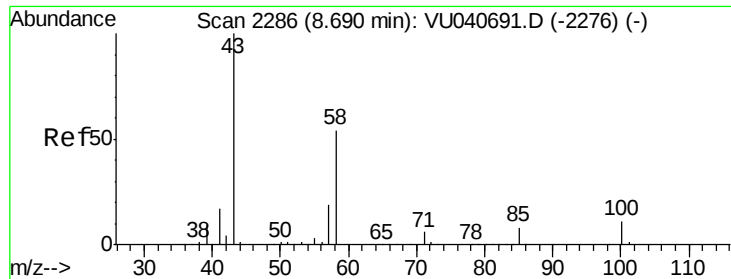
Tot Ion: 75 Resp: 1055
Ion Ratio Lower Upper
75 100
77 47.9 20.4 38.0#



#47
Tetrachloroethene
Concen: 0.207 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU040696.D
Acq: 14 Oct 2020 14:13

Tgt Ion:164 Resp: 1675
Ion Ratio Lower Upper
164 100
129 95.5 68.8 127.8
131 105.2 66.7 123.9
166 150.7 83.9 155.7

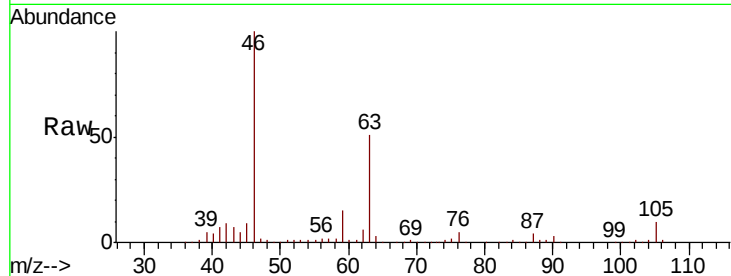




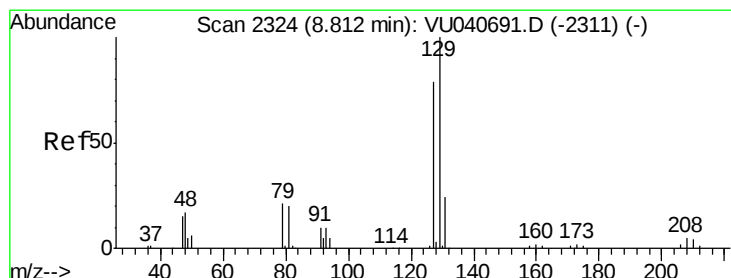
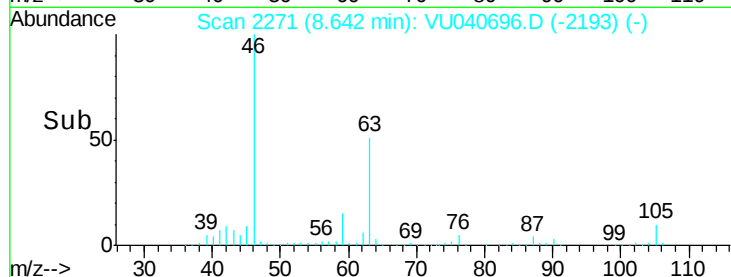
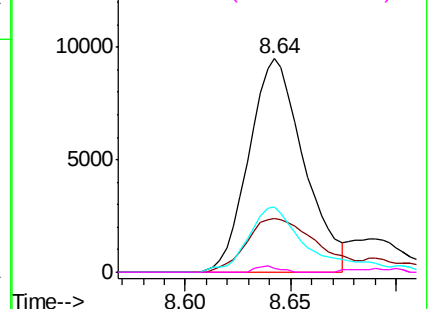
#48
2-Hexanone
Concen: 2.376 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040696.D
Acq: 14 Oct 2020 14:13

Instrument :
MSVOA_U
ClientSampleId :
BFSC2

Tot Ion:	43	Resp:	17199
Ion	Ratio	Lower	Upper
43	100		
58	32.0	41.0	61.6#
57	34.1	14.4	21.6#
100	1.3	8.6	13.0#

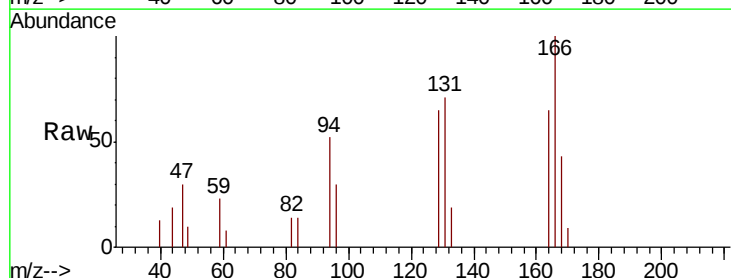


Abundance Ion 43.05 (42.75 to 43.75): VU040696.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU040696.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU040696.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU040696.D (-2193) (-)

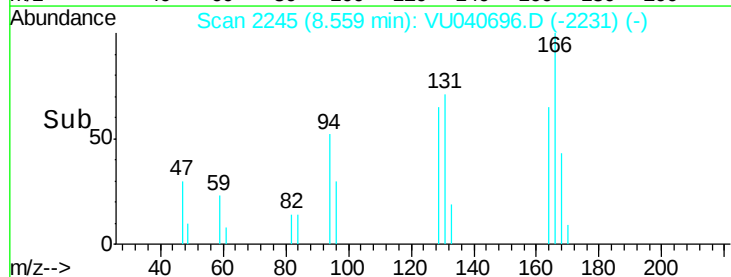
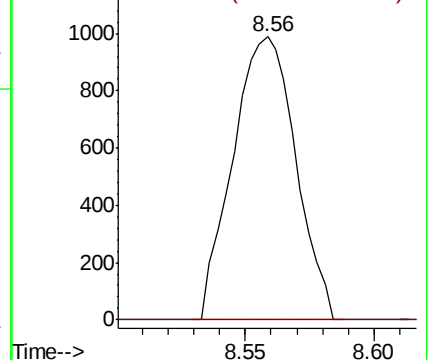


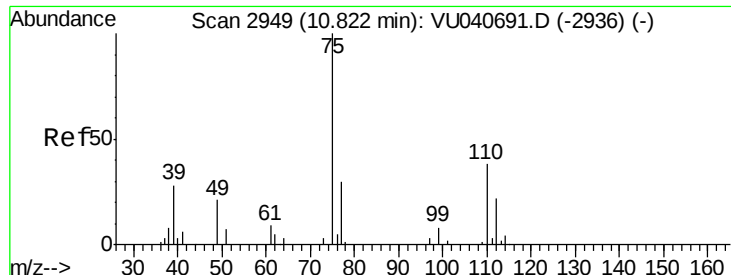
#49
Dibromochloromethane
Concen: 0.160 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU040696.D
Acq: 14 Oct 2020 14:13

Tgt Ion:	129	Resp:	1681
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.8	103.6#



Abundance Ion 128.95 (128.65 to 129.65): VU040696.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU040696.D (-2231) (-)





#59

1,2,3-Trichloropropane

Concen: 0.890 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040696.D

Acq: 14 Oct 2020 14:13

Instrument :

MSVOA_U

ClientSampleId :

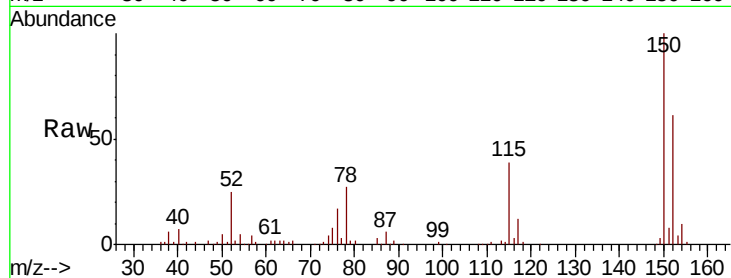
BFSC2

Tot Ion: 75 Resp: 7970

Ion Ratio Lower Upper

75 100

77 37.6 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

