

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101420\
 Data File : VU040695.D
 Acq On : 14 Oct 2020 13:50
 Operator : SY/MD
 Sample : L4401-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSC1

Quant Time: Oct 15 05:30:58 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	122359	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	127579	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52450	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	46157	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.92	69	41264	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.60%
11) 1,1-Dichloroethene-d2	2.58	63	76213	3.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.00%
20) 2-Butanone-d5	4.66	46	168808	52.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.06%
24) Chloroform-d	5.08	84	93261	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
26) 1,2-Dichloroethane-d4	5.72	65	56676	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.74	84	171411	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.70	67	57051	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.91	98	142860	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	8.19	79	23094	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.64	63	120761	48.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.84%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48938	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	54952	5.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	21193	2.044	ug/L	96
8) Chloroethane	1.95	64	836	0.120	ug/L #	65
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	581	0.057	ug/L #	20
12) 1,1-Dichloroethene	2.58	96	591	0.068	ug/L #	1
13) Acetone	2.68	43	8086	3.215	ug/L	66
22) cis-1,2-Dichloroethene	4.69	96	2305	0.234	ug/L	93
25) Chloroform	5.11	83	3709	0.192	ug/L	97
34) Trichloroethene	6.55	95	4559	0.429	ug/L	98
35) Methylcyclohexane	6.70	83	14639	0.972	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6758	0.592	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1720	0.110	ug/L #	66
44) trans-1,3-Dichloropropene	8.19	75	996	0.069	ug/L #	61
45) 1,1,2-Trichloroethane	8.56	97	1488	0.174	ug/L #	5
47) Tetrachloroethene	8.56	164	152317	20.095	ug/L	97
48) 2-Hexanone	8.64	43	19811	2.923	ug/L #	69
49) Dibromochloromethane	8.56	129	151452	15.389	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	7360	0.877	ug/L #	84

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

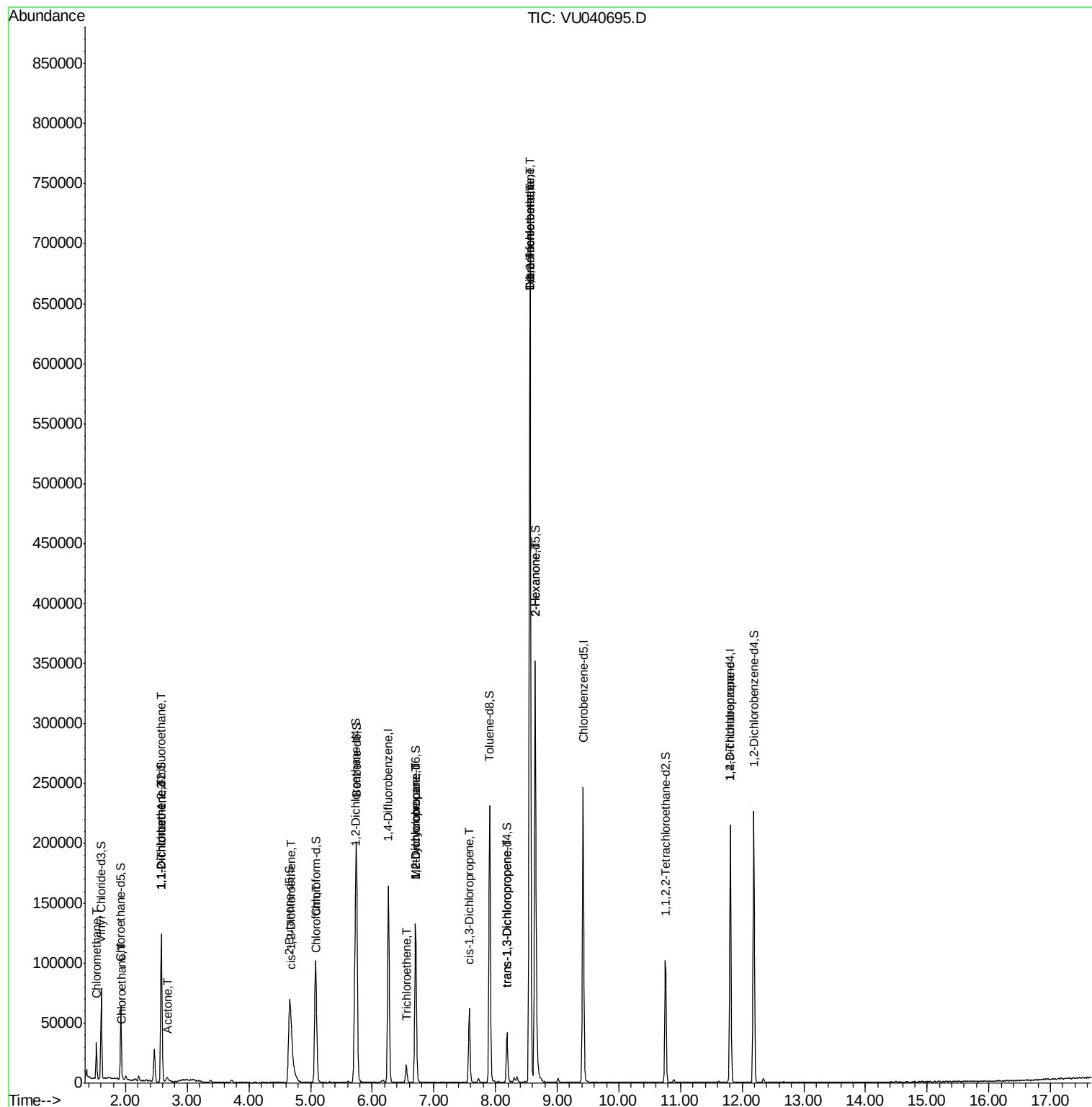
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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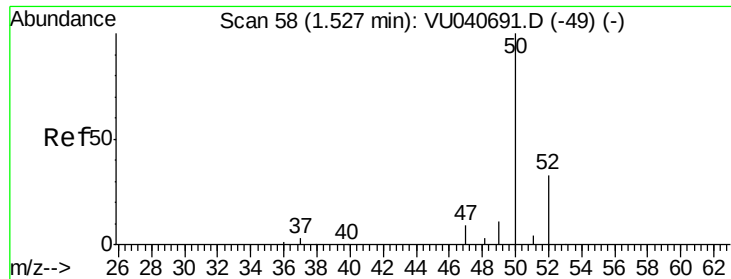
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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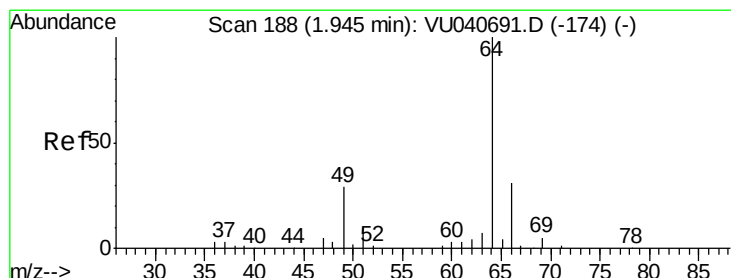
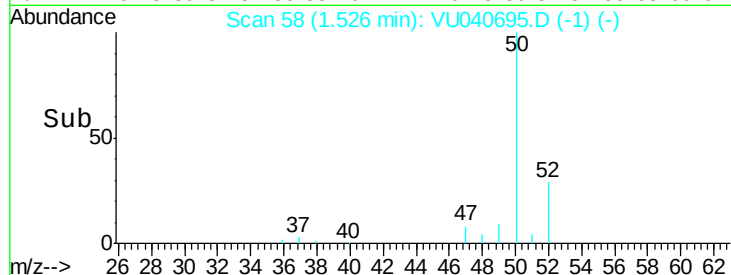
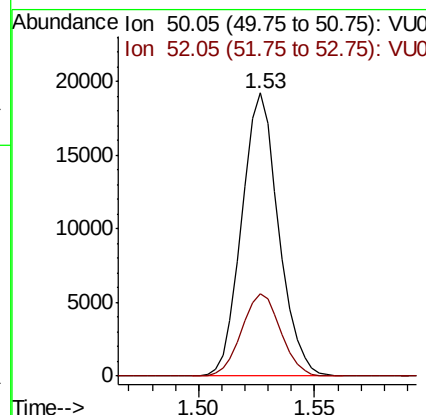
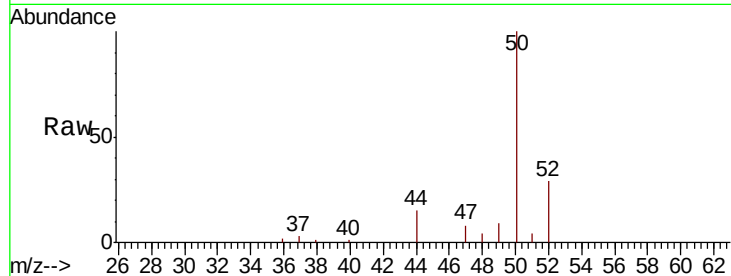




#3
 Chloromethane
 Concen: 2.044 ug/L
 RT: 1.53 min Scan# 58
 Delta R.T. -0.00 min
 Lab File: VU040695.D
 Acq: 14 Oct 2020 13:50

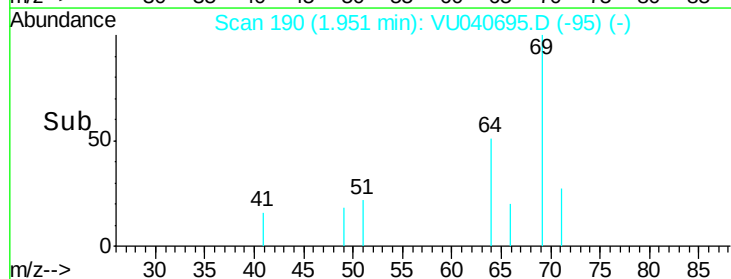
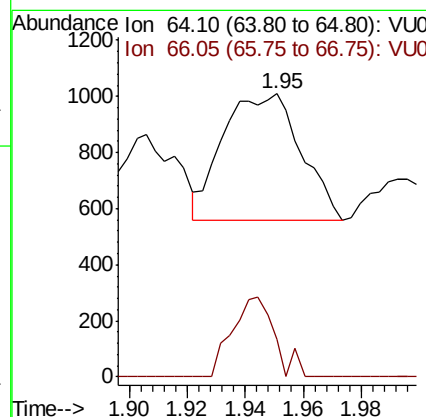
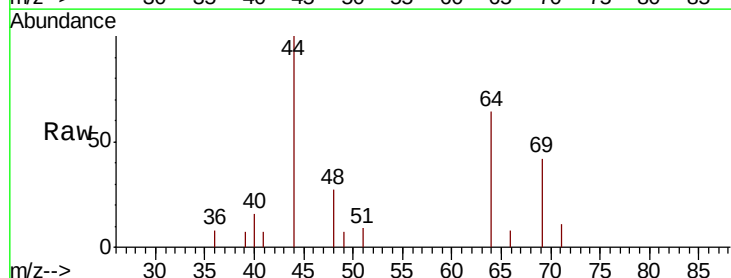
Instrument :
 MSVOA_U
 ClientSampled :
 BFSC1

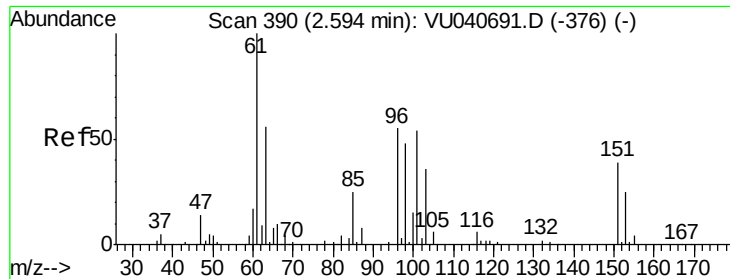
Tot Ion: 50 Resp: 21193
 Ion Ratio Lower Upper
 50 100
 52 29.0 21.9 40.7



#8
 Chloroethane
 Concen: 0.120 ug/L
 RT: 1.95 min Scan# 190
 Delta R.T. 0.01 min
 Lab File: VU040695.D
 Acq: 14 Oct 2020 13:50

Tgt Ion: 64 Resp: 836
 Ion Ratio Lower Upper
 64 100
 66 13.2 23.3 43.3#





#10

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

Concen: 0.057 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040695.D

Acq: 14 Oct 2020 13:50

Instrument :

MSVOA_U

ClientSampleId :

BFSC1

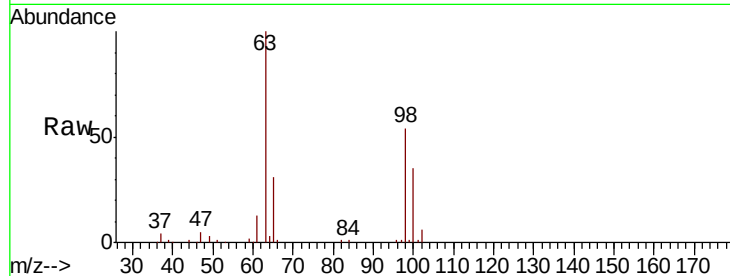
Tot Ion:101 Resp: 581

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

151 0.0 58.0 87.0#



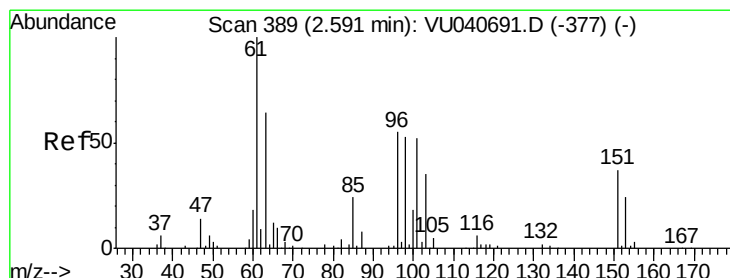
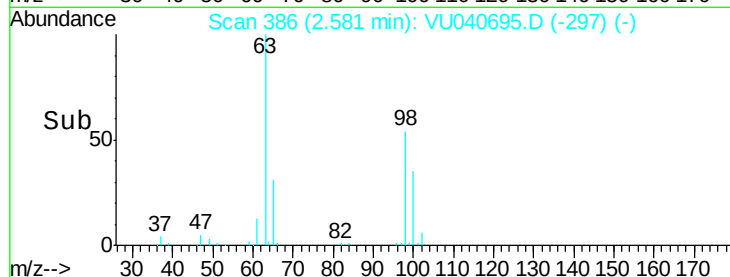
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.58

Time-->



#12

1,1-Dichloroethene

Concen: 0.068 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040695.D

Acq: 14 Oct 2020 13:50

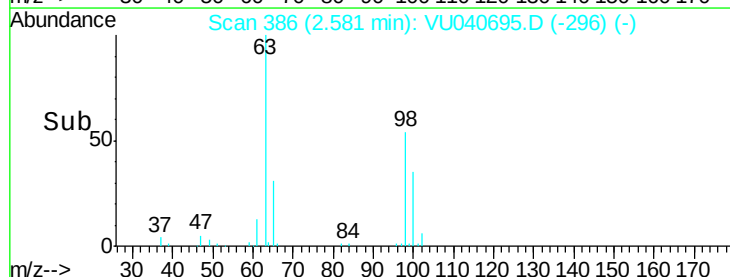
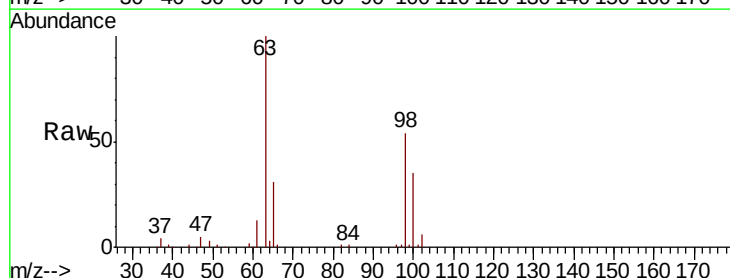
Tgt Ion: 96 Resp: 591

Ion Ratio Lower Upper

96 100

61 1330.7 128.8 239.2#

63 10609.1 84.6 157.2#



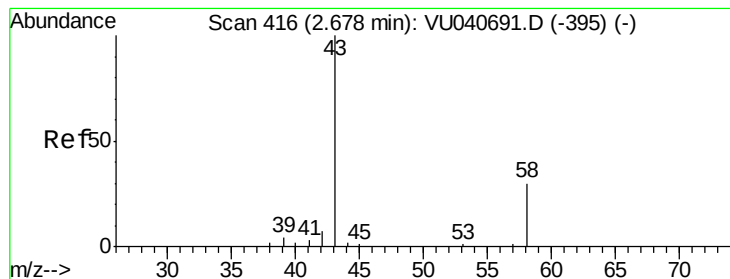
Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

2.58

Time-->



#13

Acetone

Concen: 3.215 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.00 min

Lab File: VU040695.D

Acq: 14 Oct 2020 13:50

Instrument :

MSVOA_U

ClientSampleId :

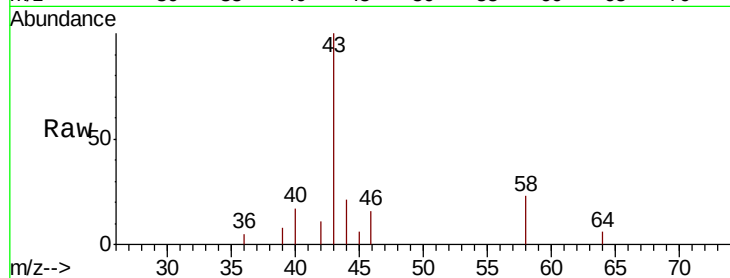
BFSC1

Tot Ion: 43 Resp: 8086

Ion Ratio Lower Upper

43 100

58 11.9 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040695.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU040695.D (-323) (-)

2500

2000

1500

1000

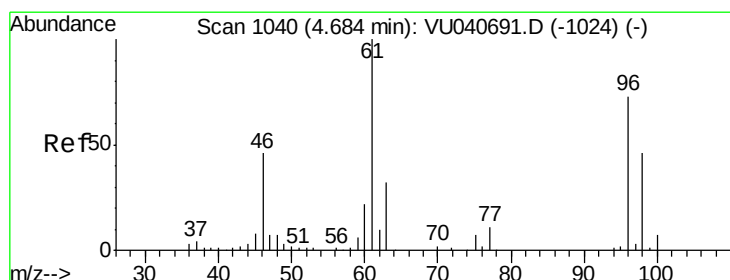
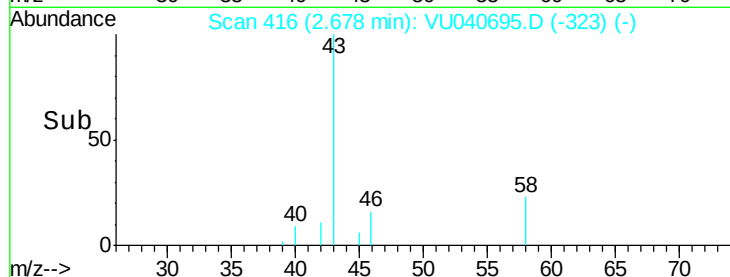
500

0

Time-->

2.60 2.65 2.70 2.75

2.68



#22

cis-1,2-Dichloroethene

Concen: 0.234 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU040695.D

Acq: 14 Oct 2020 13:50

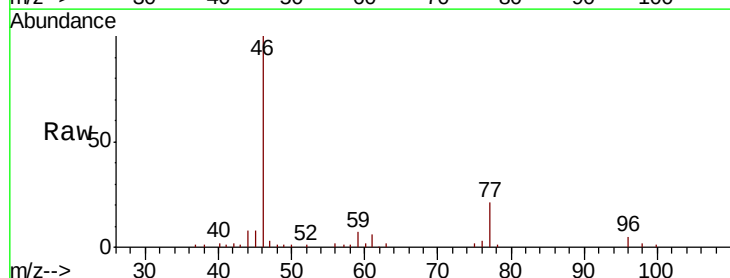
Tgt Ion: 96 Resp: 2305

Ion Ratio Lower Upper

96 100

61 134.1 99.8 185.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040695.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040695.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040695.D (-947) (-)

2000

1500

1000

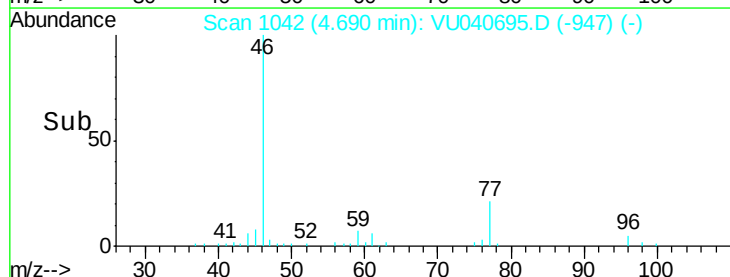
500

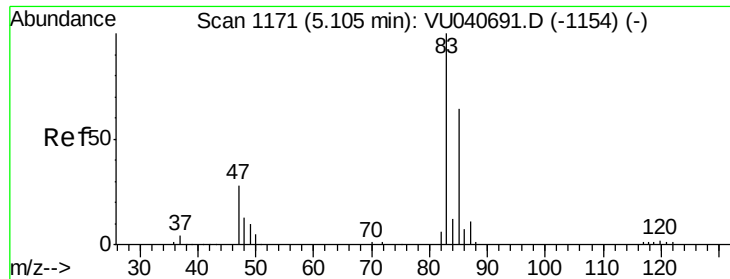
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Time-->

4.65 4.70 4.75

4.69

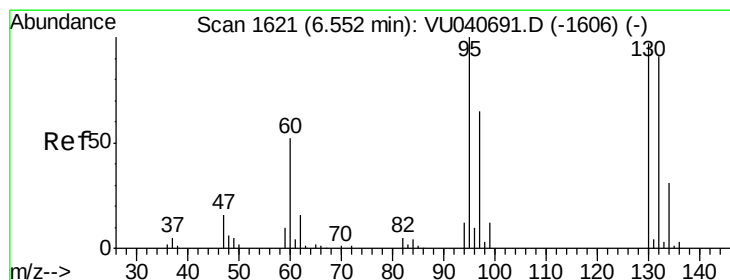
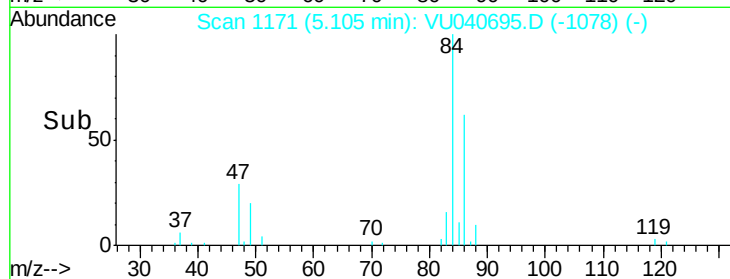
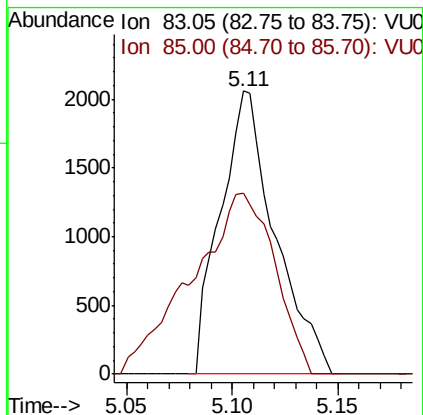
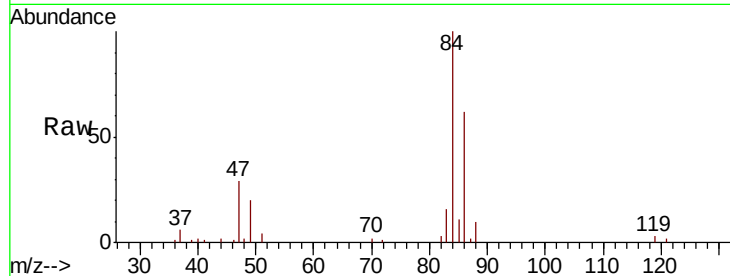




#25
Chloroform
Concen: 0.192 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040695.D
Acq: 14 Oct 2020 13:50

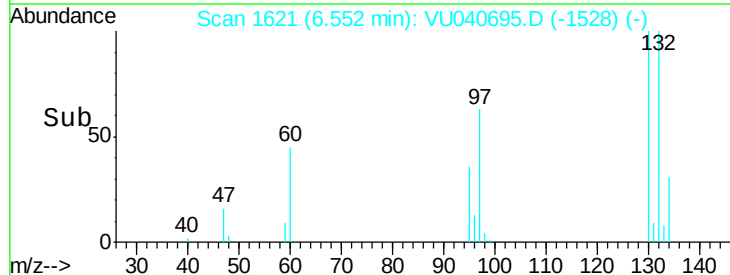
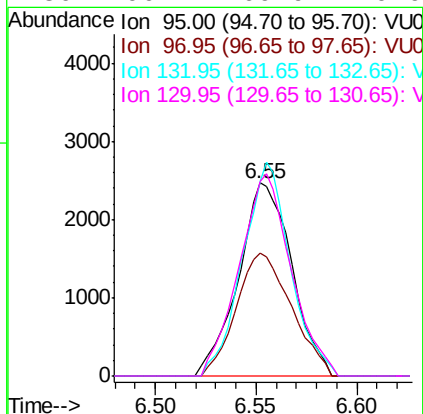
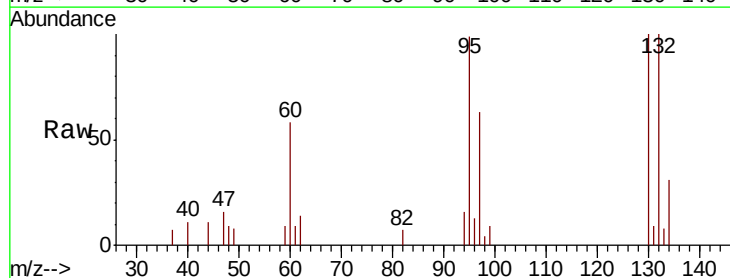
Instrument :
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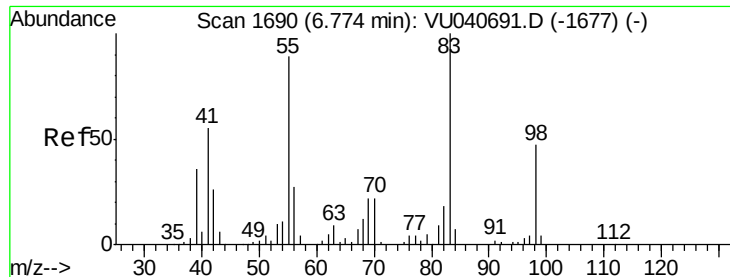
Tot Ion: 83 Resp: 3709
Ion Ratio Lower Upper
83 100
85 64.0 46.5 86.5



#34
Trichloroethene
Concen: 0.429 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VU040695.D
Acq: 14 Oct 2020 13:50

Tgt Ion: 95 Resp: 4559
Ion Ratio Lower Upper
95 100
97 63.6 45.5 84.5
132 101.1 67.5 125.4
130 100.7 69.9 129.9

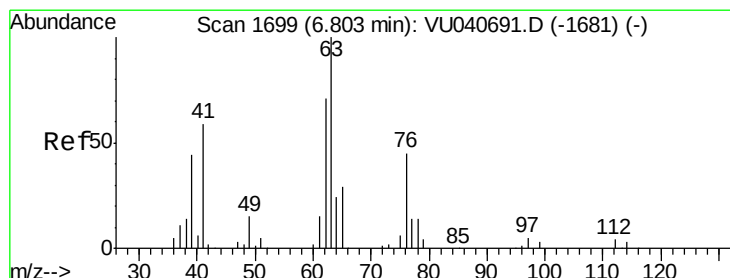
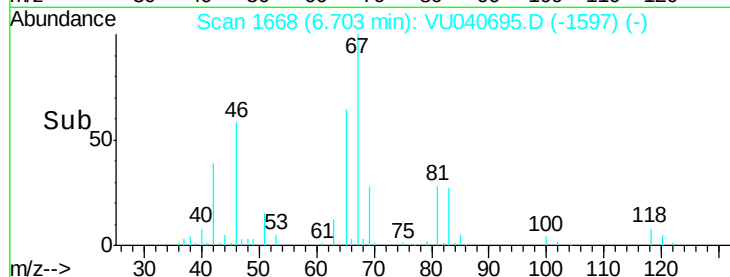
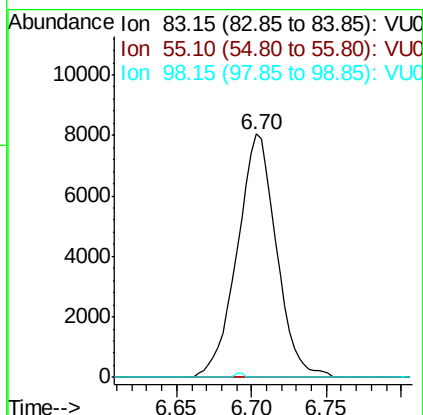
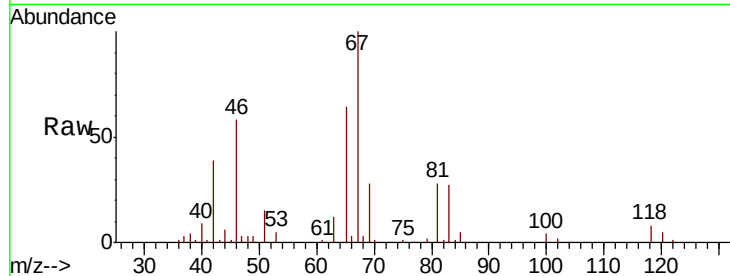




#35
Methylvlcyclohexane
Concen: 0.972 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040695.D
Acq: 14 Oct 2020 13:50

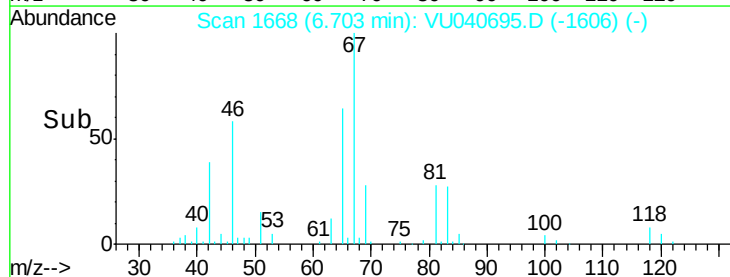
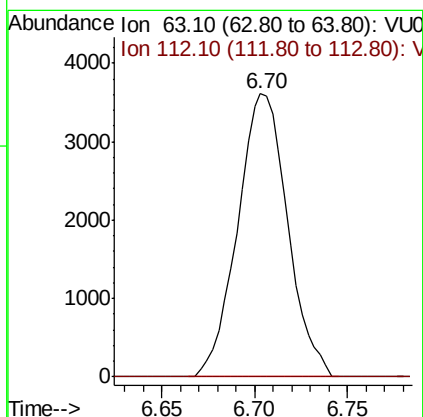
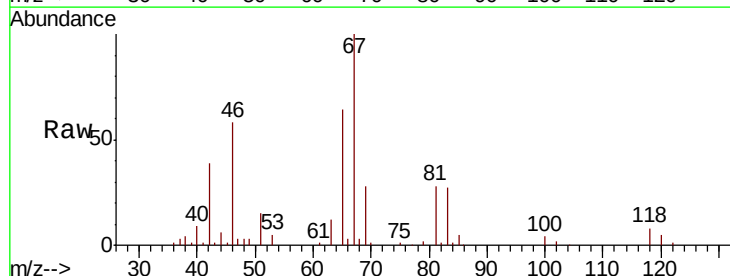
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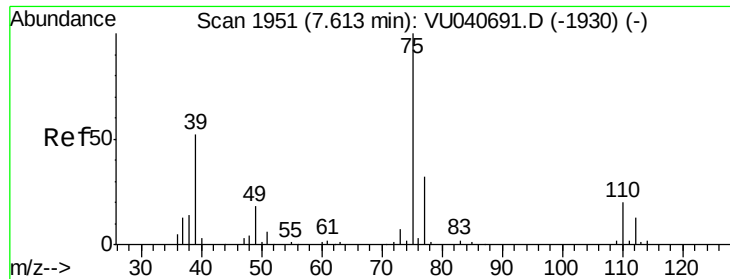
Tot Ion: 83 Resp: 14639
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.3 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.592 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040695.D
Acq: 14 Oct 2020 13:50

Tgt Ion: 63 Resp: 6758
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

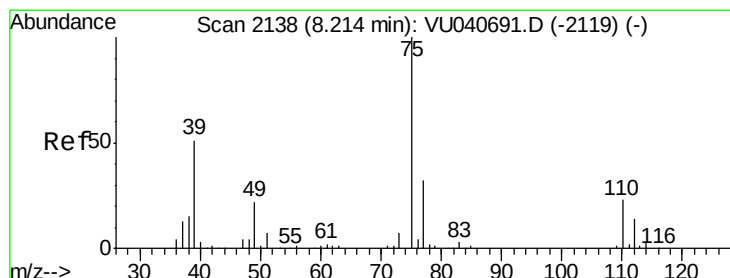
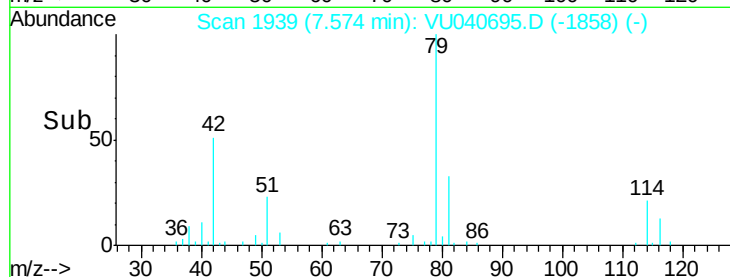
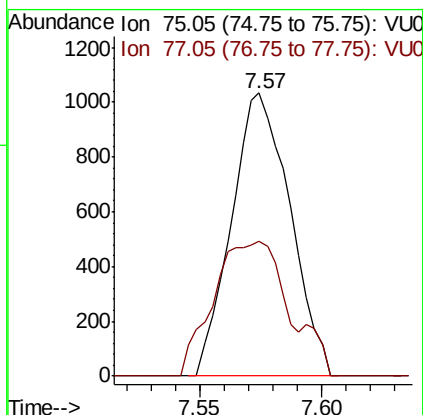
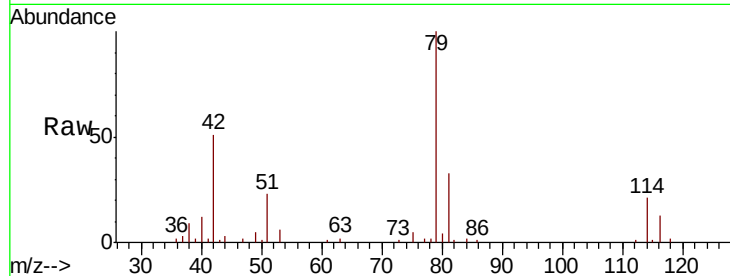




#39
 cis-1,3-Dichloropropene
 Concen: 0.110 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040695.D
 Acq: 14 Oct 2020 13:50

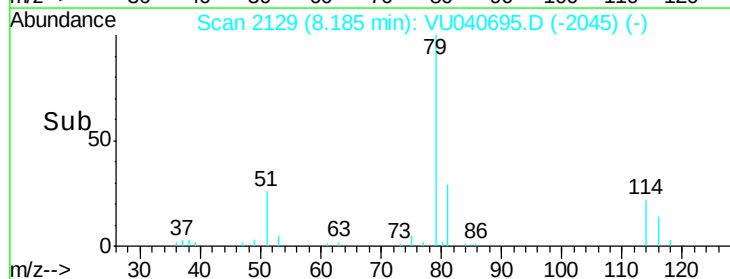
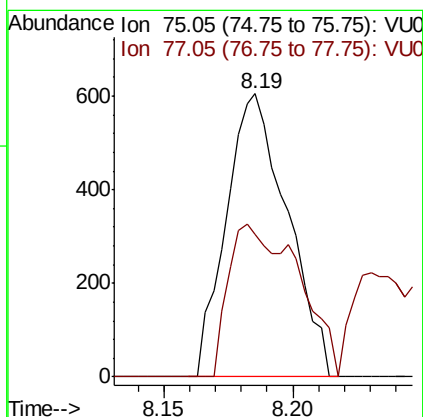
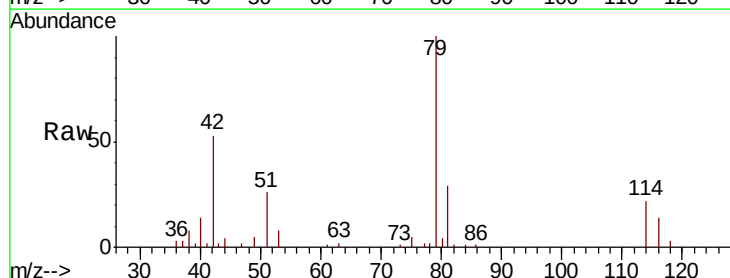
Instrument :
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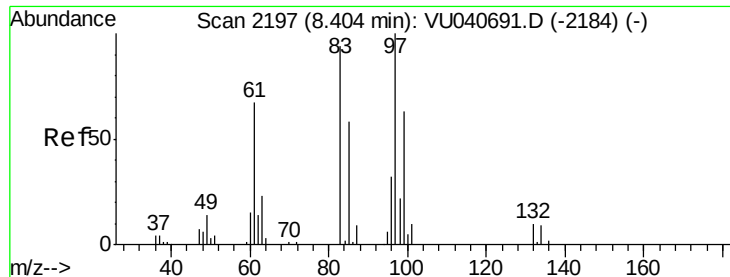
Tot Ion: 75 Resp: 1720
 Ion Ratio Lower Upper
 75 100
 77 47.5 20.5 38.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.069 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU040695.D
 Acq: 14 Oct 2020 13:50

Tgt Ion: 75 Resp: 996
 Ion Ratio Lower Upper
 75 100
 77 50.2 20.4 38.0#

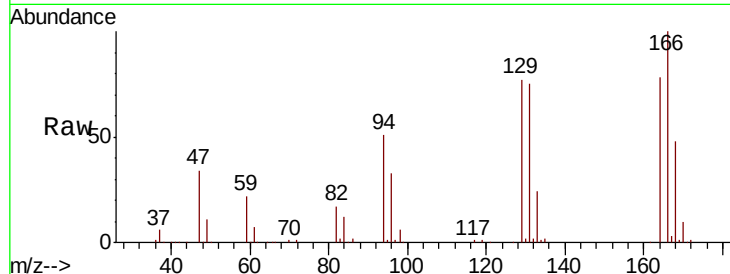




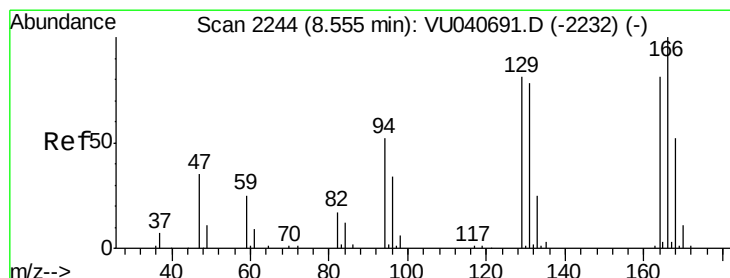
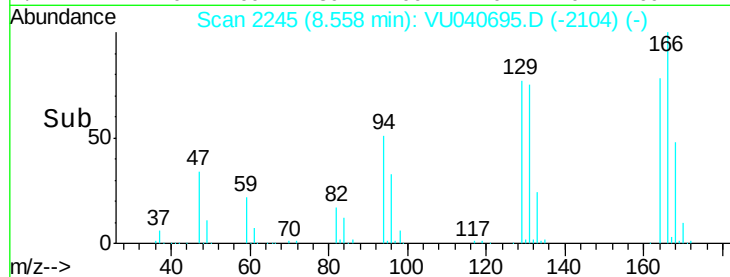
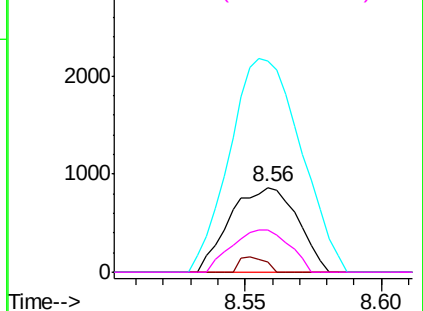
#45
 1,1,2-Trichloroethane
 Concen: 0.174 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.15 min
 Lab File: VU040695.D
 Acq: 14 Oct 2020 13:50

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSC1

Tot Ion: 97 Resp: 1488
 Ion Ratio Lower Upper
 97 100
 99 11.7 44.0 81.6#
 83 250.2 62.9 116.9#
 85 49.9 40.3 74.8

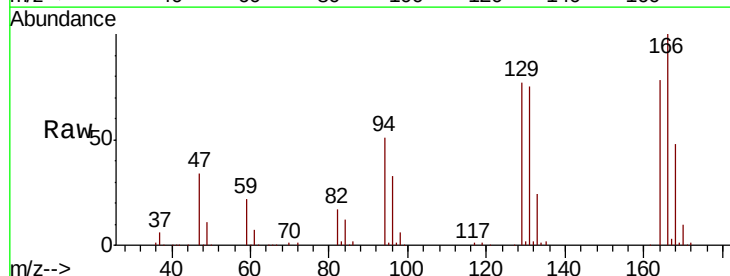


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

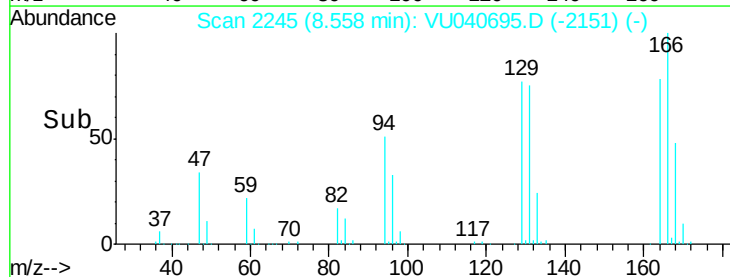
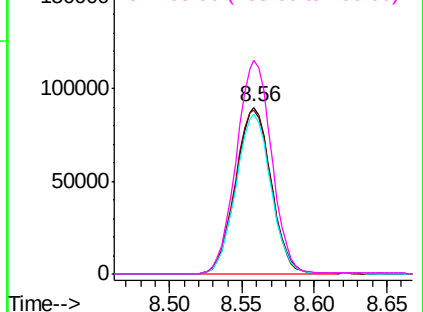


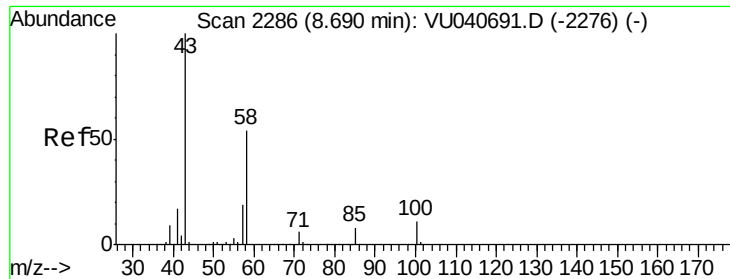
#47
 Tetrachloroethene
 Concen: 20.095 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040695.D
 Acq: 14 Oct 2020 13:50

Tgt Ion:164 Resp: 152317
 Ion Ratio Lower Upper
 164 100
 129 98.5 68.8 127.8
 131 95.8 66.7 123.9
 166 128.0 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

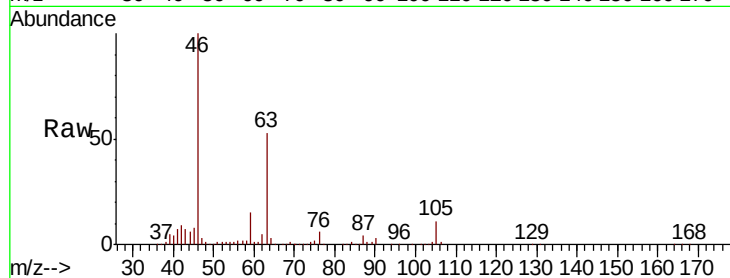




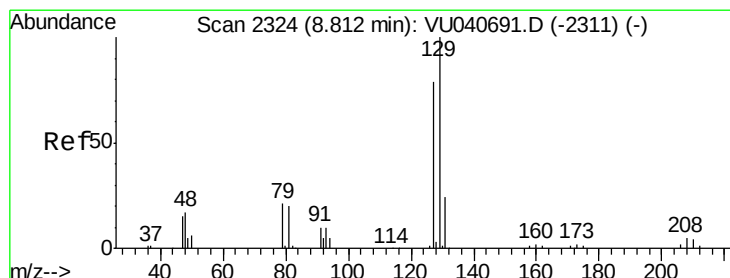
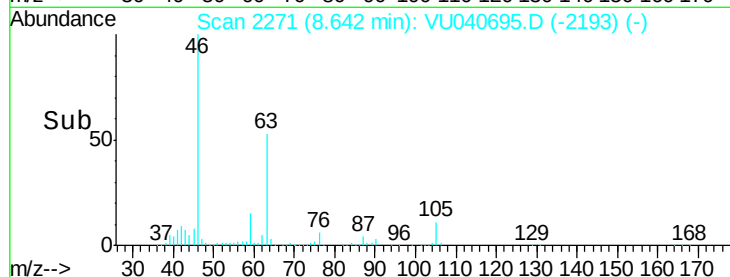
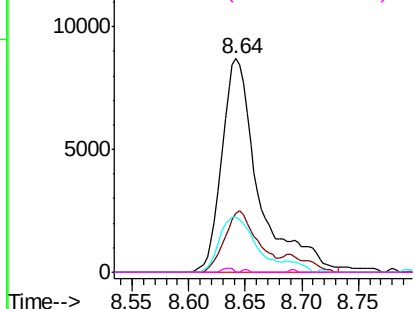
#48
2-Hexanone
Concen: 2.923 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040695.D
Acq: 14 Oct 2020 13:50

Instrument :
MSVOA_U
ClientSampled :
BFSC1

Tot Ion	Ratio	Lower	Upper
43	100		
58	25.7	41.0	61.6#
57	25.1	14.4	21.6#
100	0.5	8.6	13.0#

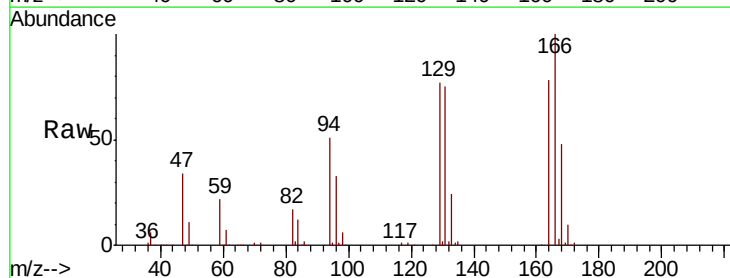


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

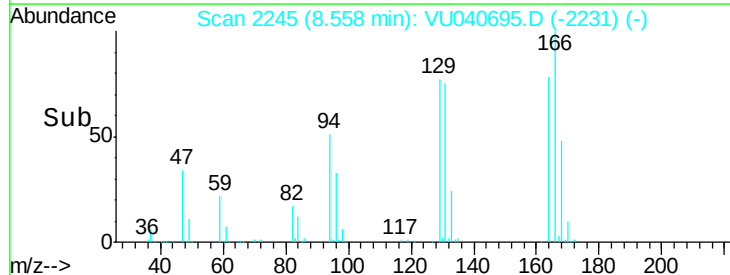
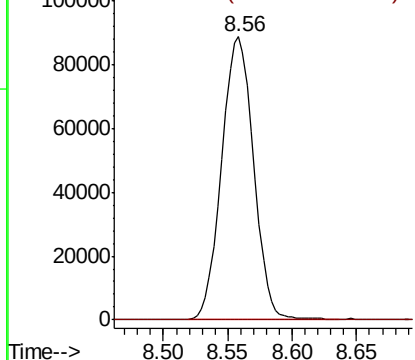


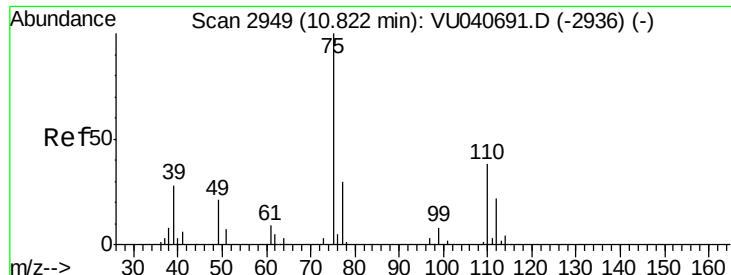
#49
Dibromochloromethane
Concen: 15.389 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU040695.D
Acq: 14 Oct 2020 13:50

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.1	55.8	103.6#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.877 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040695.D

Acq: 14 Oct 2020 13:50

Instrument :

MSVOA_U

ClientSampleId :

BFSC1

Tot Ion: 75 Resp: 7360

Ion Ratio Lower Upper

75 100

77 41.9 26.4 39.6#

