

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101520\
 Data File : VU040716.D
 Acq On : 15 Oct 2020 13:36
 Operator : SY/MD
 Sample : L4401-01DL 2X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSC1DL

Quant Time: Oct 16 04:31:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 16 04:23:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	119252	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	125203	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53490	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	41148	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	1.92	69	37523	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.58	63	65558	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	4.65	46	160713	50.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.66%
24) Chloroform-d	5.08	84	85835	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.72	65	51984	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.74	84	155234	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.70	67	54892	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.91	98	125451	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
43) trans-1,3-Dichloropropene-	8.19	79	20560	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.64	63	114581	46.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.64%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	47348	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	50797	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	7286	0.721	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	514	0.052	ug/L #	20
12) 1,1-Dichloroethene	2.58	96	501	0.059	ug/L #	1
13) Acetone	2.66	43	2625	1.071	ug/L	80
16) Methylene chloride	3.06	84	3941	0.361	ug/L	94
22) cis-1,2-Dichloroethene	4.68	96	1000	0.104	ug/L	69
25) Chloroform	5.11	83	2396	0.127	ug/L	80
27) 1,2-Dichloroethane	5.75	62	1009	0.076	ug/L #	77
33) Benzene	5.74	78	1235	0.031	ug/L	100
34) Trichloroethene	6.55	95	2159	0.207	ug/L	91
35) Methylcyclohexane	6.70	83	12876	0.871	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6603	0.589	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1552	0.101	ug/L #	75
44) trans-1,3-Dichloropropene	8.19	75	1105	0.078	ug/L #	79
47) Tetrachloroethene	8.56	164	68536	9.213	ug/L	96
49) Dibromochloromethane	8.56	129	67622	7.002	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6868	0.834	ug/L	90

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 16 04:23:22 2020
Response via : Initial Calibration

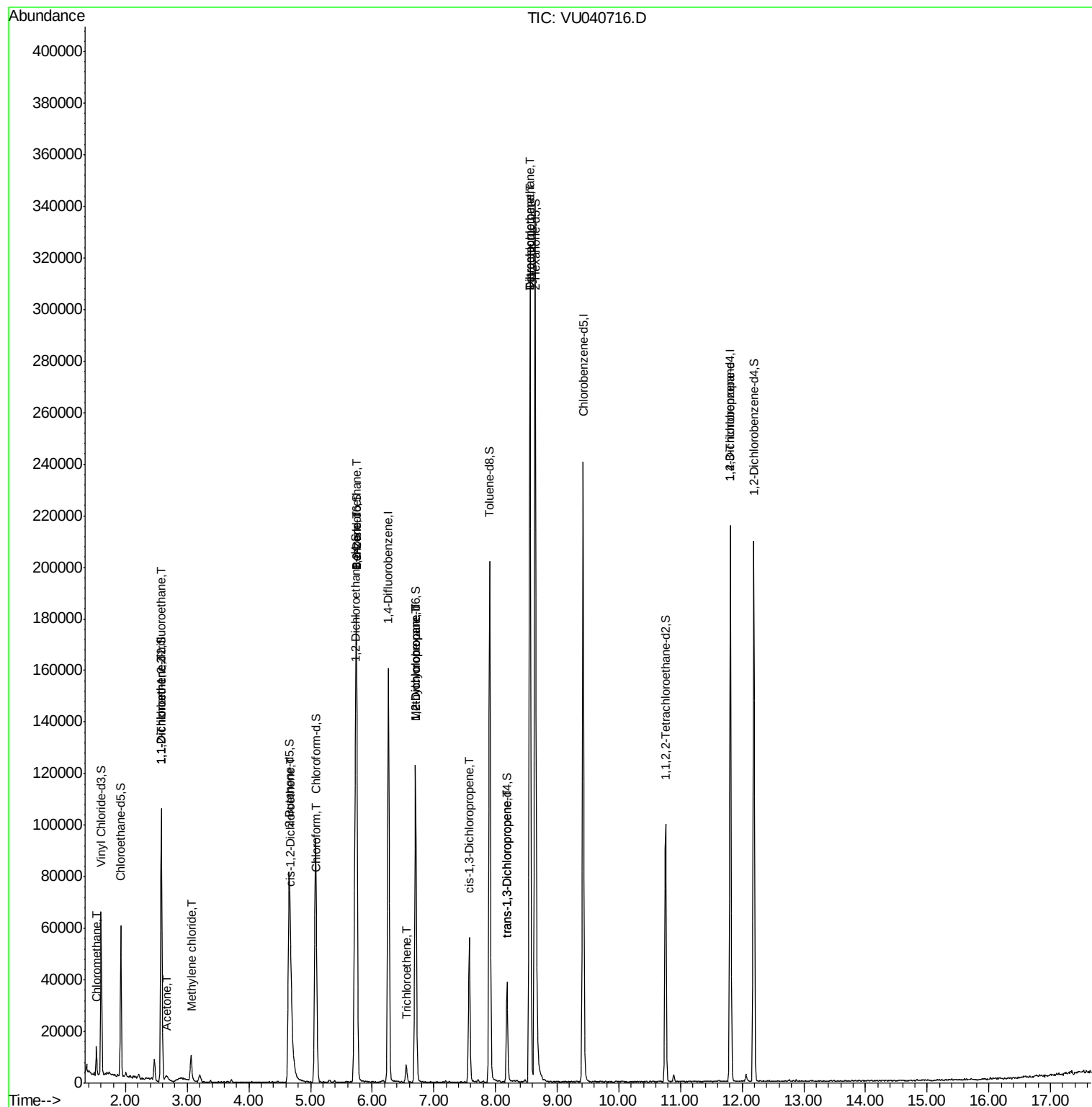
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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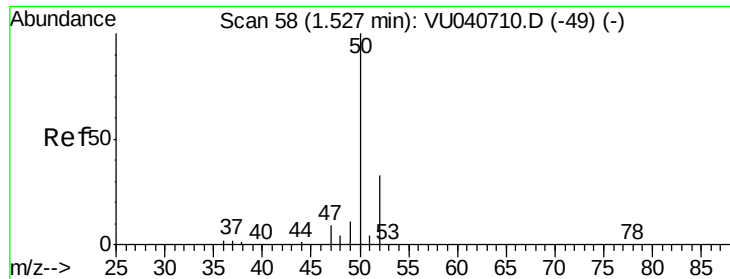
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU101520\
Data File : VU040716.D
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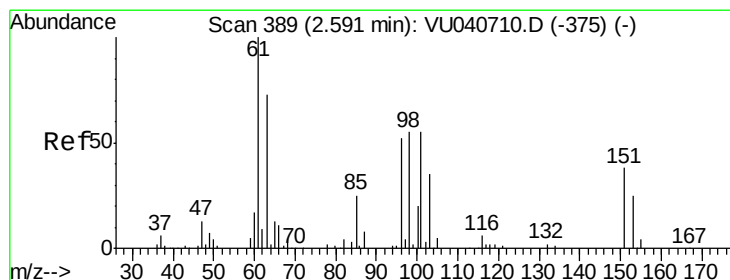
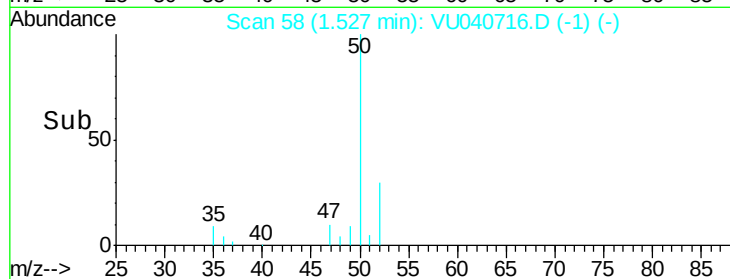
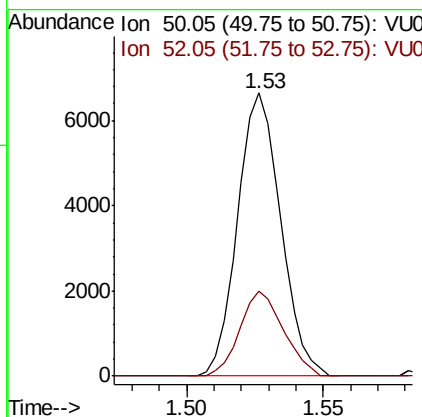
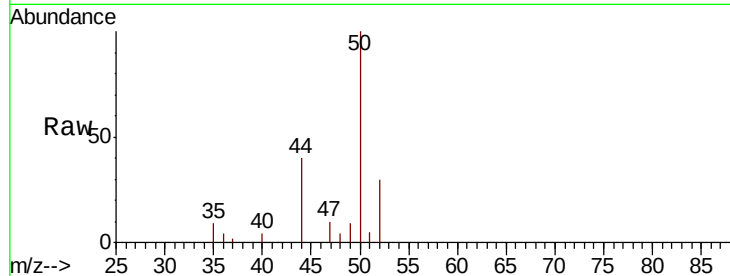




#3
Chloromethane
Concen: 0.721 ug/L
RT: 1.53 min Scan# 58
Delta R.T. -0.00 min
Lab File: VU040716.D
Acq: 15 Oct 2020 13:36

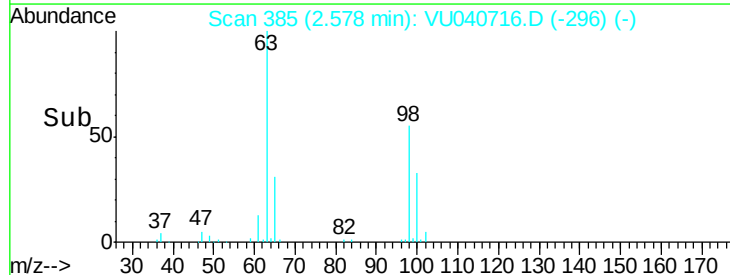
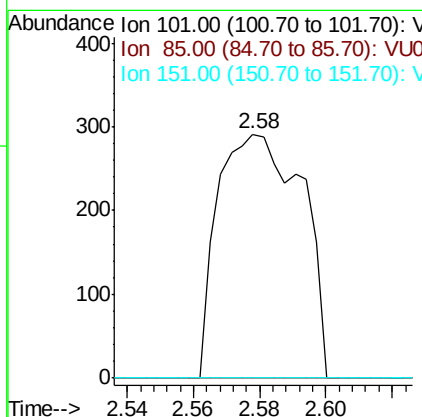
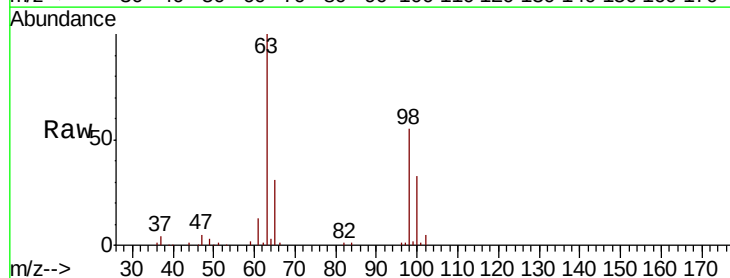
Instrument :
MSVOA_U
ClientSampleId :
BFSC1DL

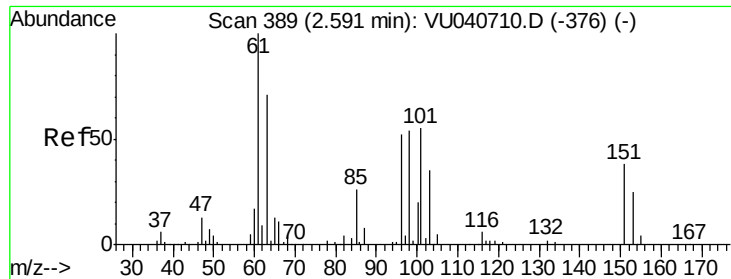
Tot Ion: 50 Resp: 7286
Ion Ratio Lower Upper
50 100
52 30.0 21.9 40.7



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.052 ug/L
RT: 2.58 min Scan# 385
Delta R.T. -0.01 min
Lab File: VU040716.D
Acq: 15 Oct 2020 13:36

Tgt Ion: 101 Resp: 514
Ion Ratio Lower Upper
101 100
85 0.0 36.7 55.1#
151 0.0 58.0 87.0#

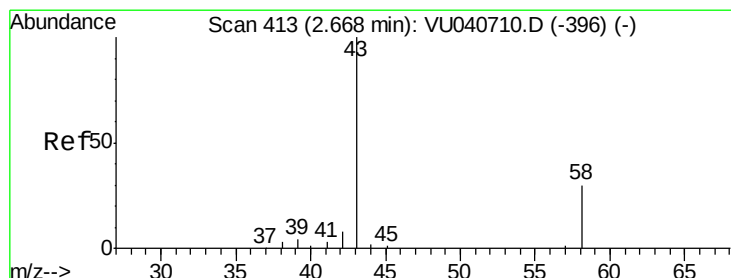
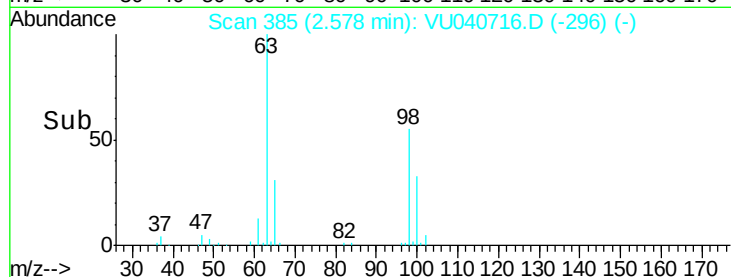
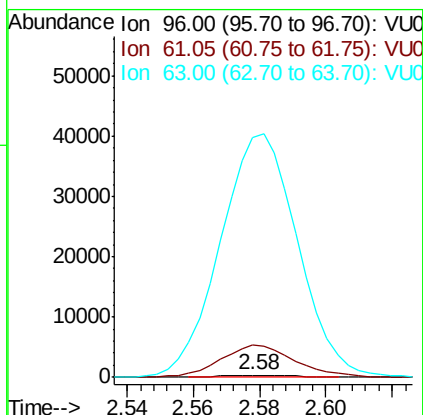
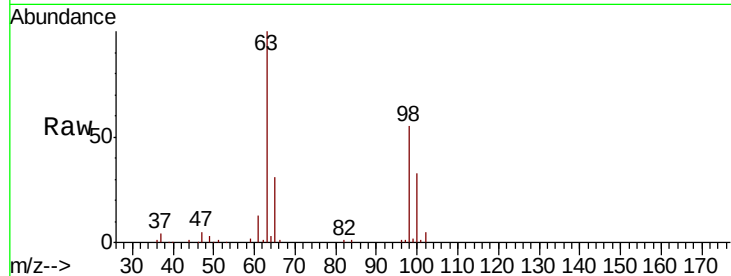




#12
 1,1-Dichloroethene
 Concen: 0.059 ug/L
 RT: 2.58 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VU040716.D
 Acq: 15 Oct 2020 13:36

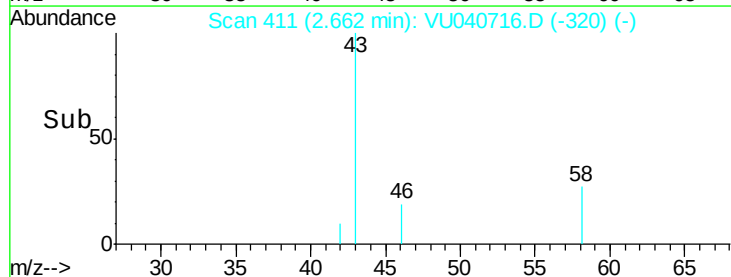
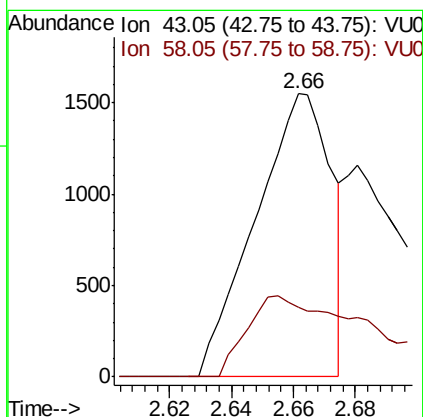
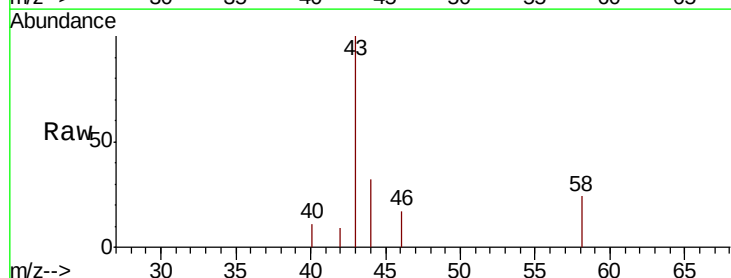
Instrument :
 MSVOA_U
 ClientSampleId :
 BFSC1DL

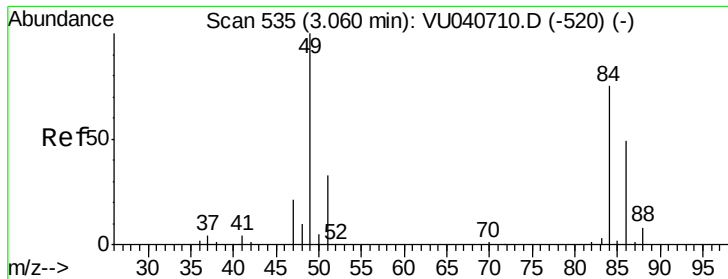
Tot Ion: 96 Resp: 501
 Ion Ratio Lower Upper
 96 100
 61 1487.4 128.8 239.2#
 63 11099.4 84.6 157.2#



#13
 Acetone
 Concen: 1.071 ug/L
 RT: 2.66 min Scan# 411
 Delta R.T. -0.01 min
 Lab File: VU040716.D
 Acq: 15 Oct 2020 13:36

Tgt Ion: 43 Resp: 2625
 Ion Ratio Lower Upper
 43 100
 58 41.4 0.0 60.6

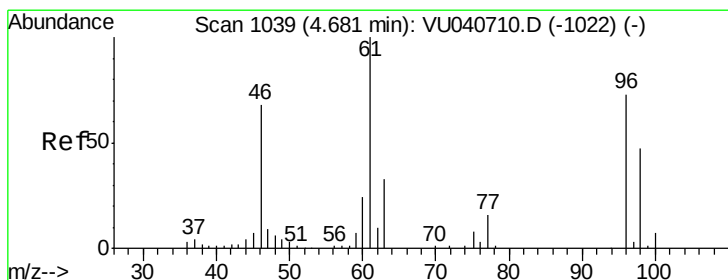
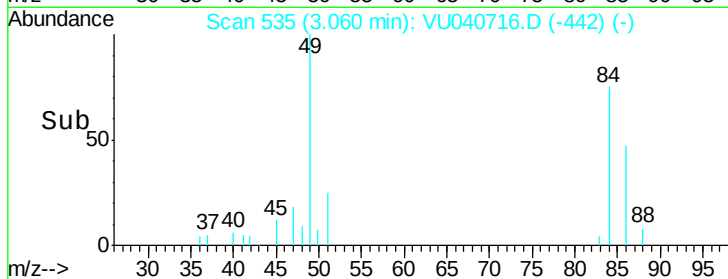
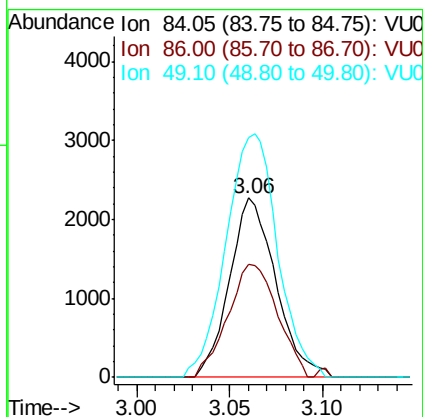
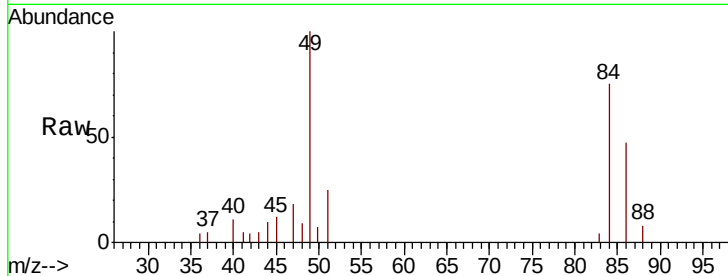




#16
Methylene chloride
Concen: 0.361 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040716.D
Acq: 15 Oct 2020 13:36

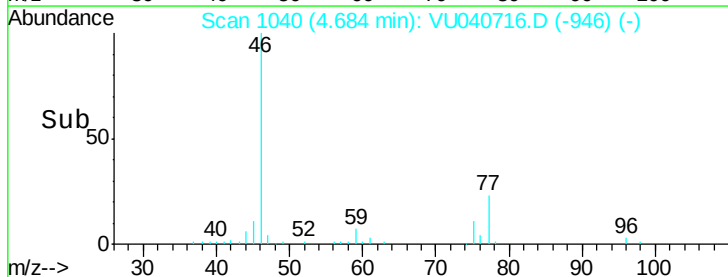
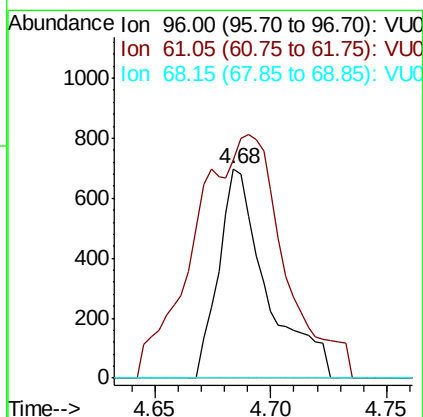
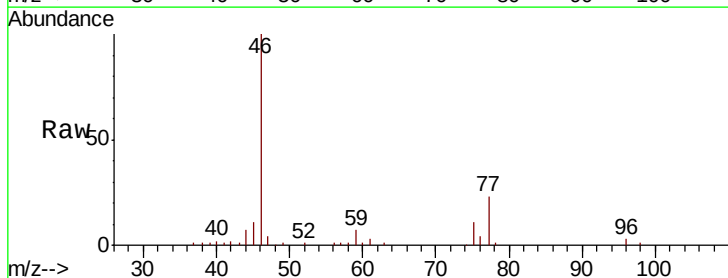
Instrument :
MSVOA_U
ClientSampleId :
BFSC1DL

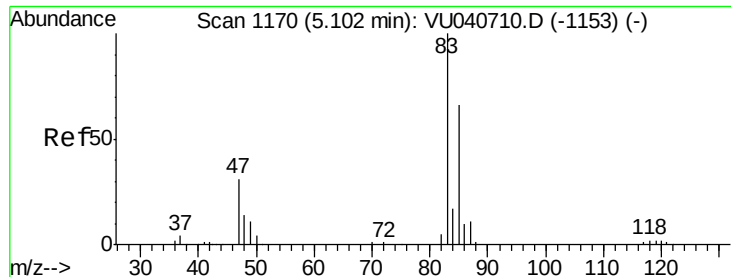
Tot Ion: 84 Resp: 3941
Ion Ratio Lower Upper
84 100
86 62.6 45.4 84.4
49 133.5 99.8 185.3



#22
cis-1,2-Dichloroethene
Concen: 0.104 ug/L
RT: 4.68 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VU040716.D
Acq: 15 Oct 2020 13:36

Tgt Ion: 96 Resp: 1000
Ion Ratio Lower Upper
96 100
61 103.9 99.8 185.4
68 0.0 0.0 0.0

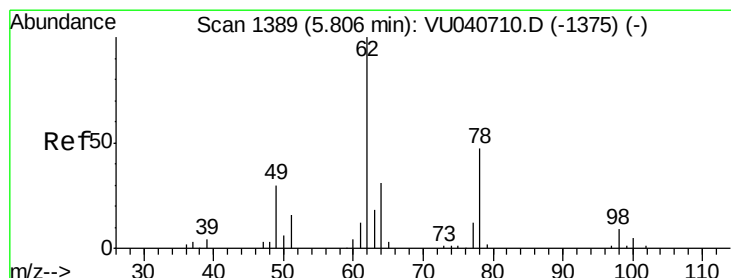
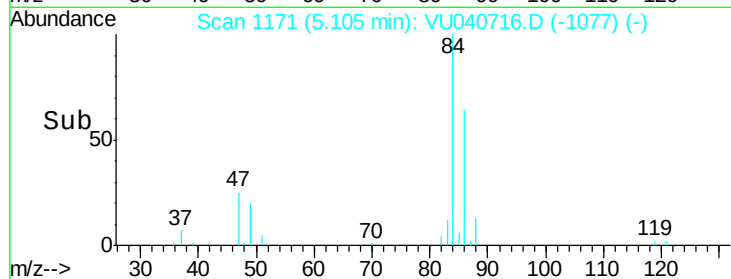
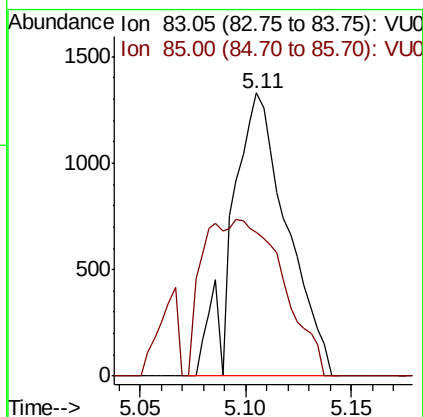
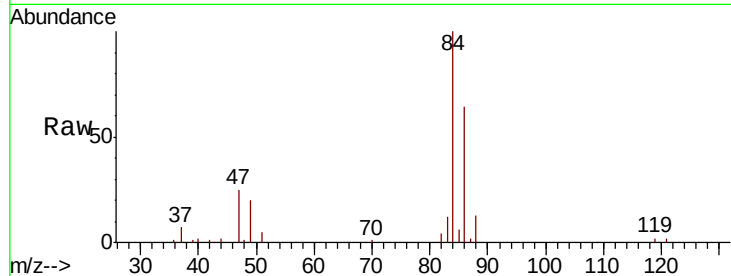




#25
Chloroform
Concen: 0.127 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040716.D
Acq: 15 Oct 2020 13:36

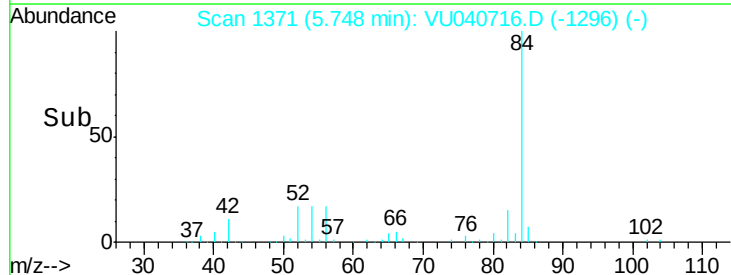
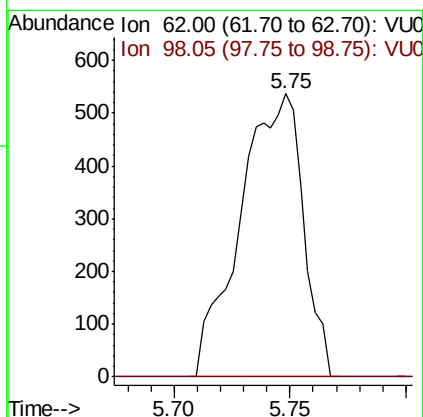
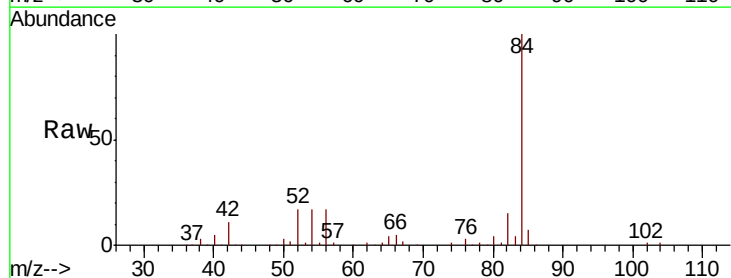
Instrument :
MSVOA_U
ClientSampled :
BFSC1DL

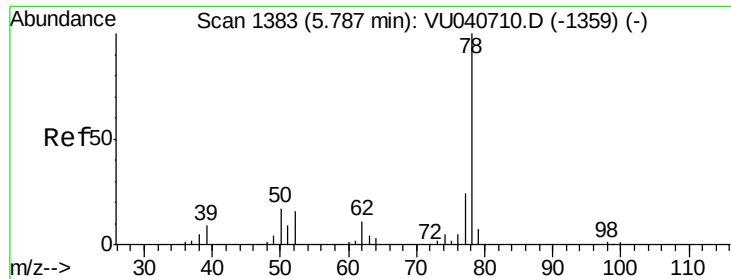
Tot Ion: 83 Resp: 2396
Ion Ratio Lower Upper
83 100
85 50.6 46.5 86.5



#27
1,2-Dichloroethane
Concen: 0.076 ug/L
RT: 5.75 min Scan# 1371
Delta R.T. -0.06 min
Lab File: VU040716.D
Acq: 15 Oct 2020 13:36

Tgt Ion: 62 Resp: 1009
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#33

Benzene

Concen: 0.031 ug/L

RT: 5.74 min Scan# 1368

Delta R.T. -0.05 min

Lab File: VU040716.D

Acq: 15 Oct 2020 13:36

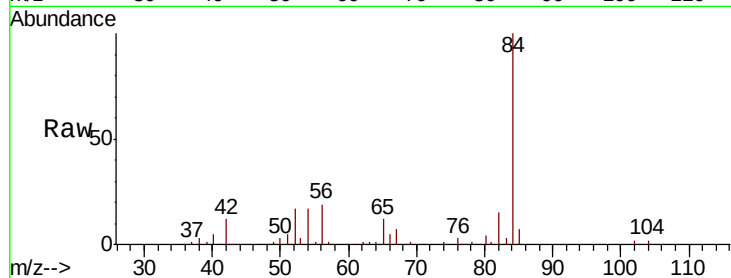
Instrument :

MSVOA_U

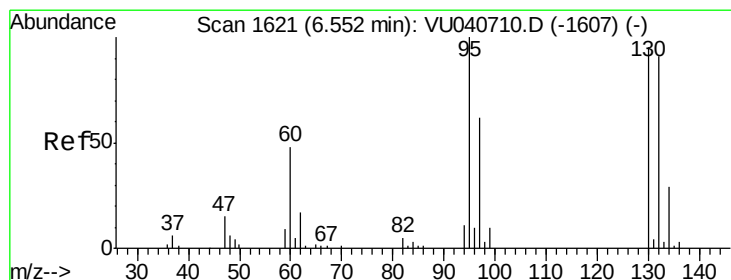
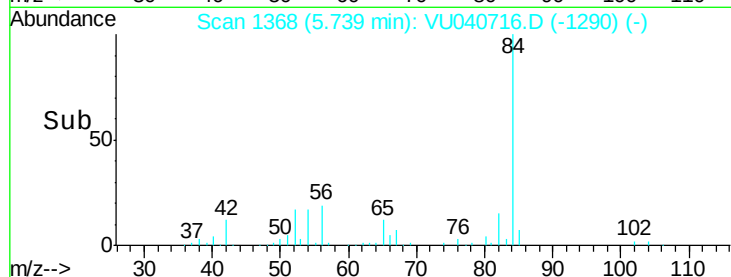
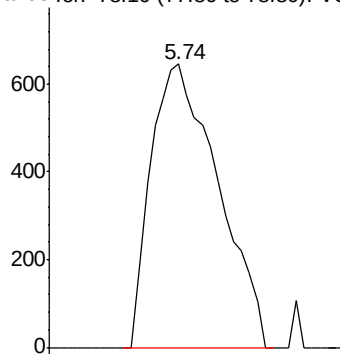
ClientSampleId :

BFSC1DL

Tgt Ion: 78 Resp: 1235



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.207 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040716.D

Acq: 15 Oct 2020 13:36

Tgt Ion: 95 Resp: 2159

Ion	Ratio	Lower	Upper
95	100		
97	56.1	45.5	84.5
132	111.3	67.5	125.4
130	99.3	69.9	129.9

Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

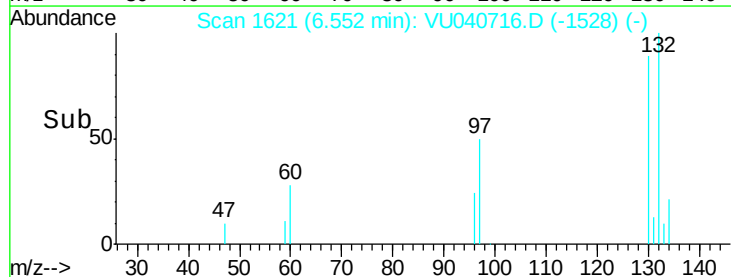
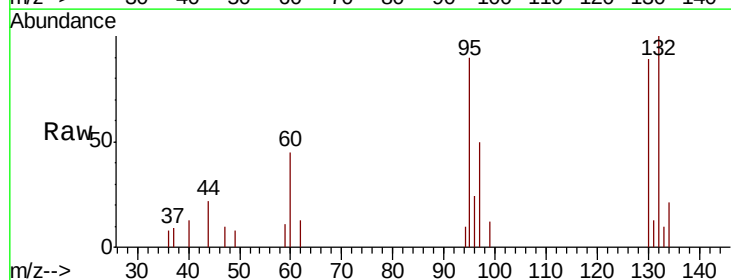
Ion 129.95 (129.65 to 130.65): VU0

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

Abundance Ion 95.00 (94.70 to 95.70): VU0

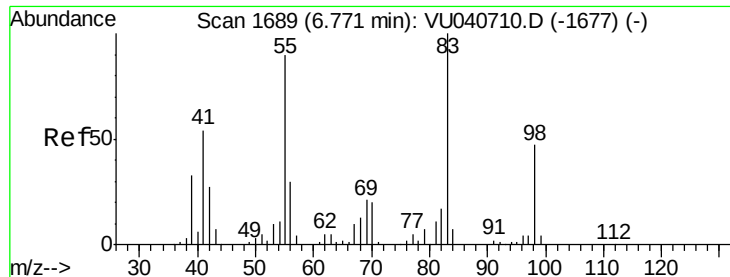
Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

Abundance Ion 95.00 (94.70 to 95.70): VU0

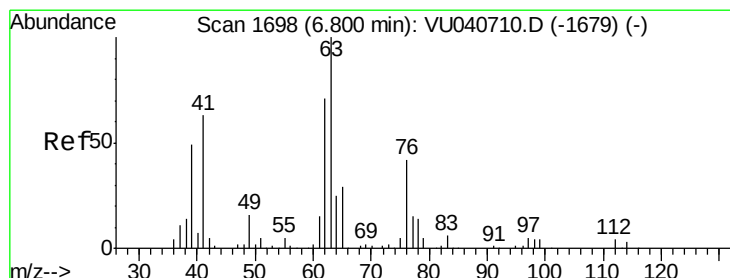
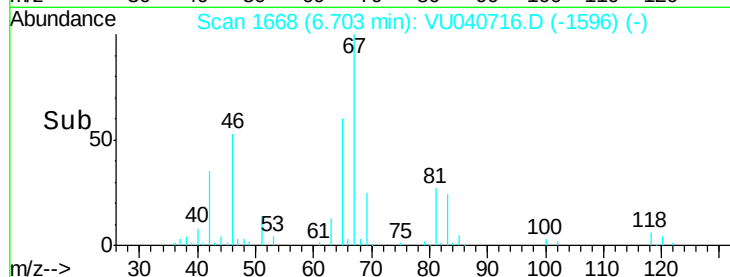
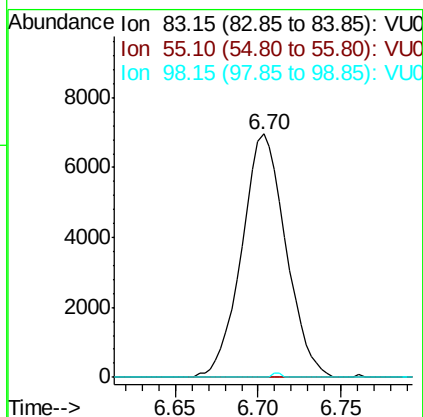
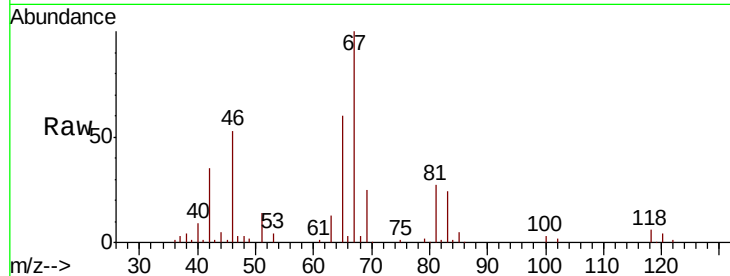
Ion 96.95 (96.65 to 97.65): VU0



#35
Methylvlcyclohexane
Concen: 0.871 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040716.D
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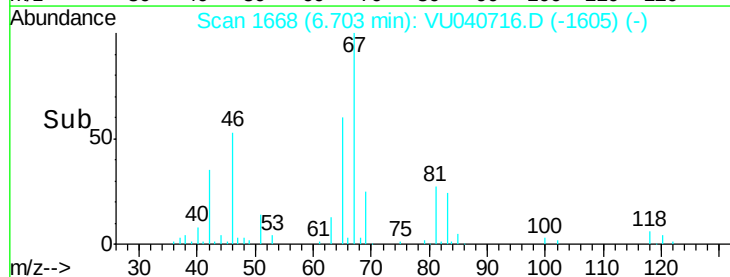
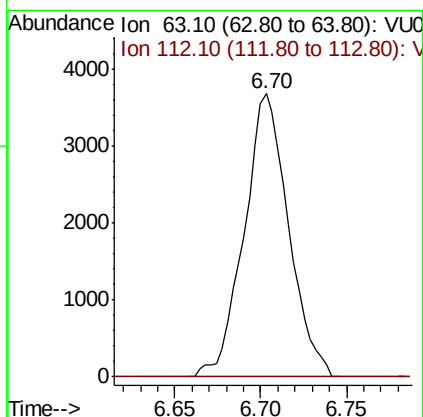
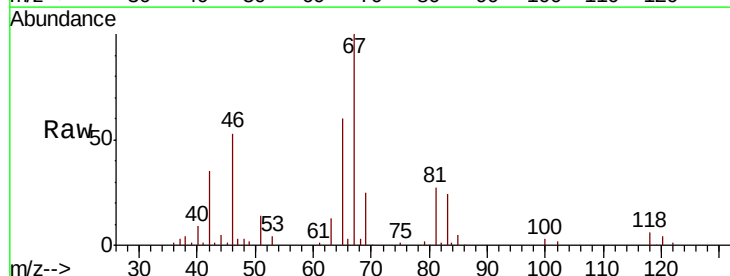
Instrument :
MSVOA_U
ClientSampleId :
BFSC1DL

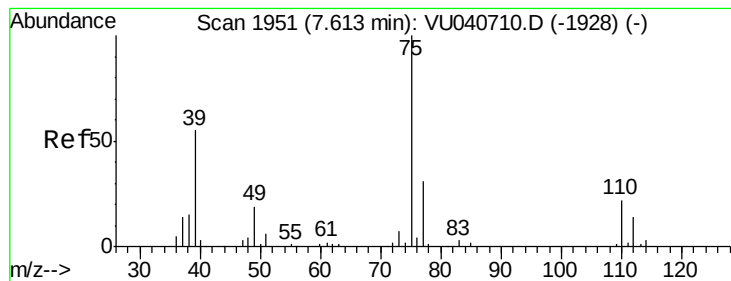
Tot Ion: 83 Resp: 12876
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.3 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.589 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040716.D
Acq: 15 Oct 2020 13:36

Tgt Ion: 63 Resp: 6603
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU040716.D

Acq: 15 Oct 2020 13:36

Instrument :

MSVOA_U

ClientSampleId :

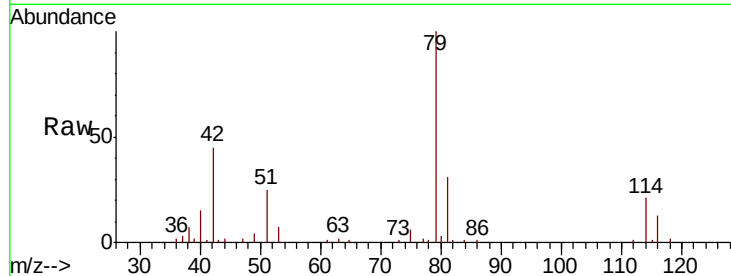
BFSC1DL

Tot Ion: 75 Resp: 1552

Ion Ratio Lower Upper

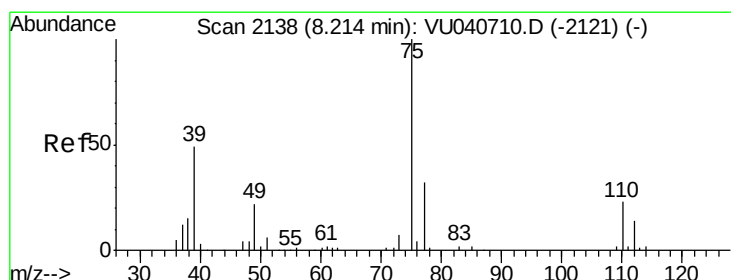
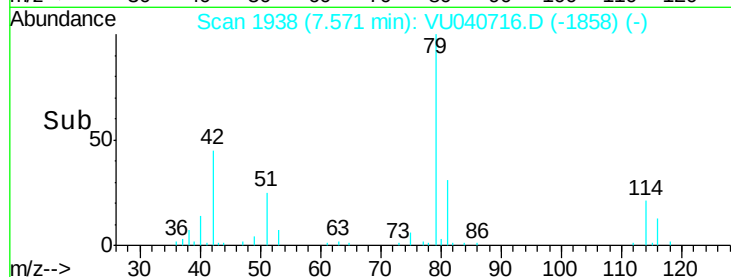
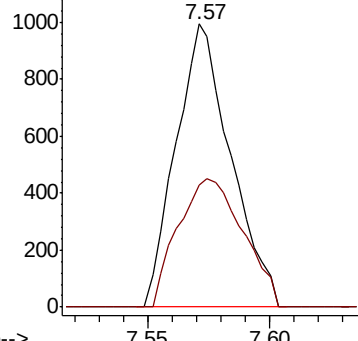
75 100

77 43.0 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040716.D

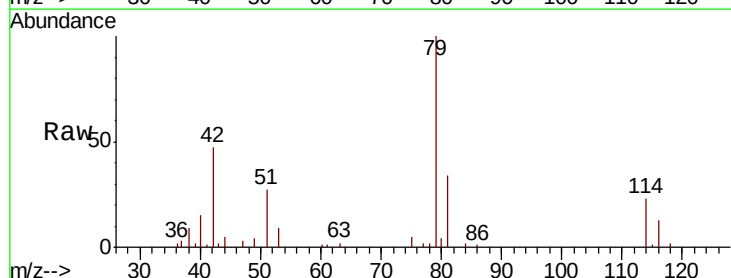
Acq: 15 Oct 2020 13:36

Tgt Ion: 75 Resp: 1105

Ion Ratio Lower Upper

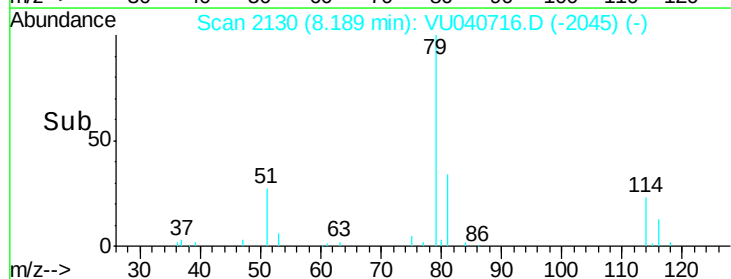
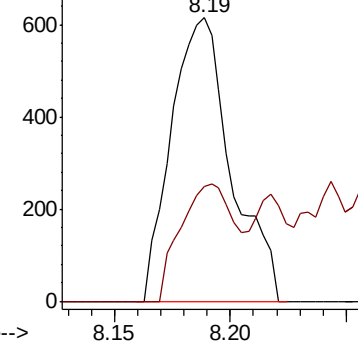
75 100

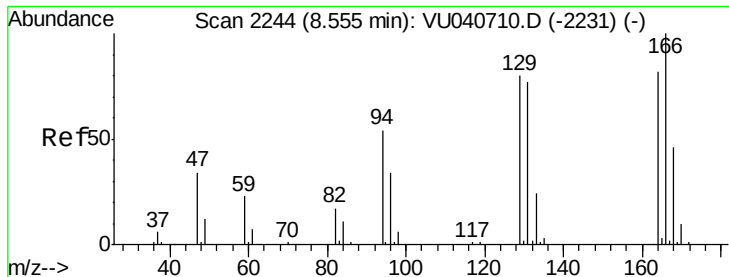
77 40.5 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

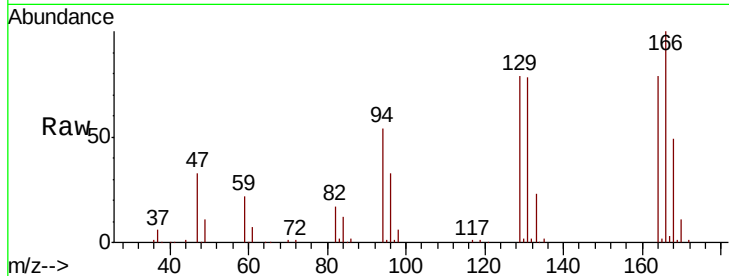




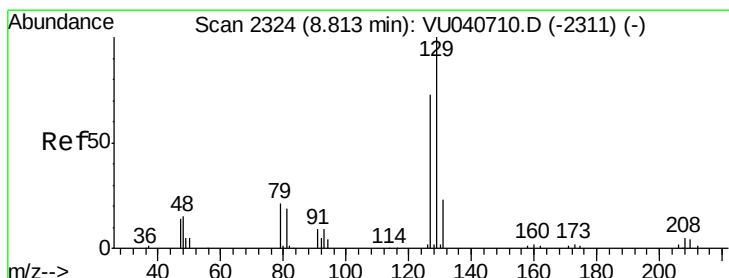
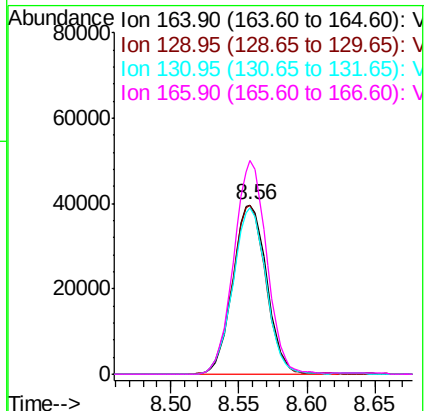
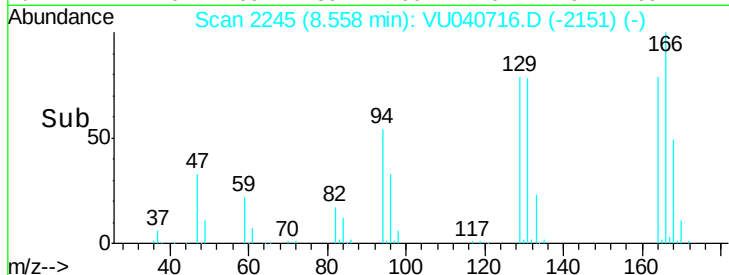
#47
Tetrachloroethene
Concen: 9.213 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU040716.D
Acq: 15 Oct 2020 13:36

Instrument :
MSVOA_U
ClientSampleId :
BFSC1DL

Tot Ion:164 Resp: 68536
Ion Ratio Lower Upper
164 100
129 100.1 68.8 127.8
131 98.4 66.7 123.9
166 126.1 83.9 155.7

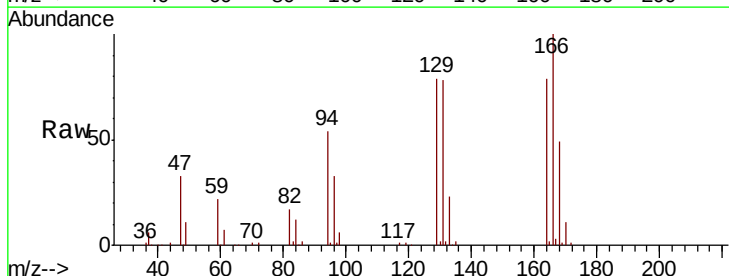


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

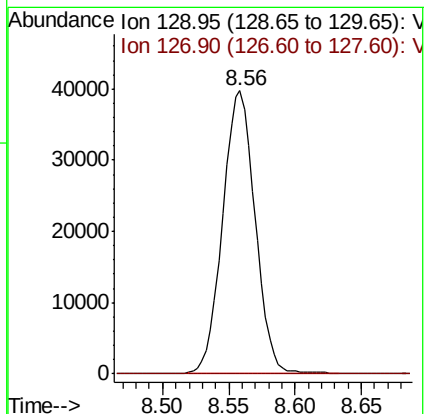
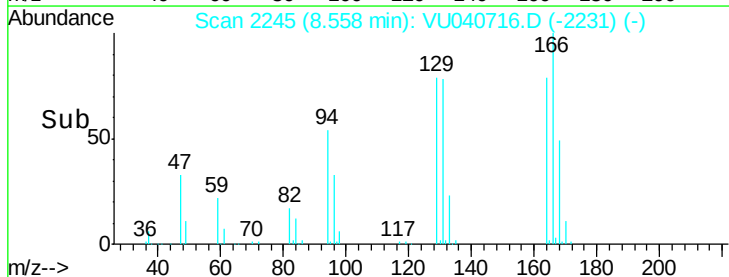


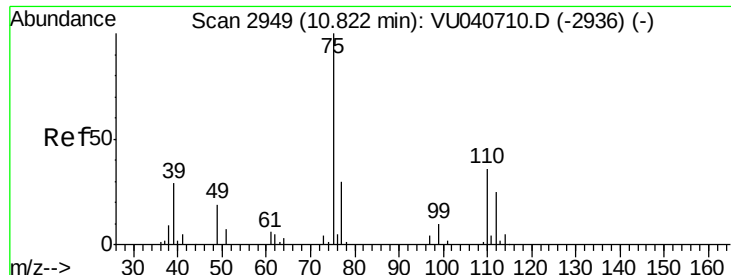
#49
Dibromochloromethane
Concen: 7.002 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU040716.D
Acq: 15 Oct 2020 13:36

Tgt Ion:129 Resp: 67622
Ion Ratio Lower Upper
129 100
127 0.0 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: 0.834 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040716.D

Acq: 15 Oct 2020 13:36

Instrument :

MSVOA_U

ClientSampleId :

BFSC1DL

Tot Ion: 75 Resp: 6868

Ion Ratio Lower Upper

75 100

77 38.7 26.4 39.6

