

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011321\
 Data File : VU041983.D
 Acq On : 13 Jan 2021 16:13
 Operator : SY/MD
 Sample : M1026-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXK3

Quant Time: Jan 14 17:01:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011321WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 14 17:00:00 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.263	114	149301	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	129292	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	51384	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	47514	4.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.40%
7) Chloroethane-d5	1.919	69	47433	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.00%
11) 1,1-Dichloroethene-d2	2.575	63	75620	3.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.60%
20) 2-Butanone-d5	4.652	46	168214	44.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.98%
24) Chloroform-d	5.079	84	98009	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
26) 1,2-Dichloroethane-d4	5.716	65	55272	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
32) Benzene-d6	5.742	84	193937	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.703	67	64101	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.903	98	158161	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
43) trans-1,3-Dichloroprop...	8.185	79	23817	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.639	63	128801	45.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.20%
57) 1,1,2,2-Tetrachloroeth...	10.755	84	44375	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.00%
64) 1,2-Dichlorobenzene-d4	12.189	152	47027	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	630	0.05	ug/L #	79
3) Chloromethane	1.523	50	1236	0.07	ug/L #	79
9) Trichlorofluoromethane	2.144	101	165834	7.44	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	3336	0.28	ug/L #	84
12) 1,1-Dichloroethene	2.588	96	8868	0.76	ug/L #	1
13) Acetone	2.652	43	5129	2.17	ug/L	99
15) Methyl Acetate	2.977	43	520	0.09	ug/L #	51
17) Methyl tert-butyl Ether	3.382	73	8188	0.27	ug/L	95
19) 1,1-Dichloroethane	3.883	63	24661	1.06	ug/L	96
25) Chloroform	5.099	83	2945	0.13	ug/L	93
29) 1,1,1-Trichloroethane	5.330	97	8701	0.46	ug/L	96
31) Carbon tetrachloride	5.333	117	977	0.06	ug/L	92
34) Trichloroethene	6.552	95	17693	1.48	ug/L	96
35) Methylcyclohexane	6.703	83	14388	0.76	ug/L #	16
37) 1,2-Dichloropropane	6.700	63	6800	0.55	ug/L #	90
39) cis-1,3-Dichloropropene	7.578	75	1446	0.08	ug/L #	65
44) trans-1,3-Dichloropropene	8.189	75	1041	0.06	ug/L #	69
47) Tetrachloroethene	8.555	164	1115	0.14	ug/L	79
49) Dibromochloromethane	8.555	129	1217	0.13	ug/L #	11

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jan 14 17:00:00 2021
Response via : Initial Calibration

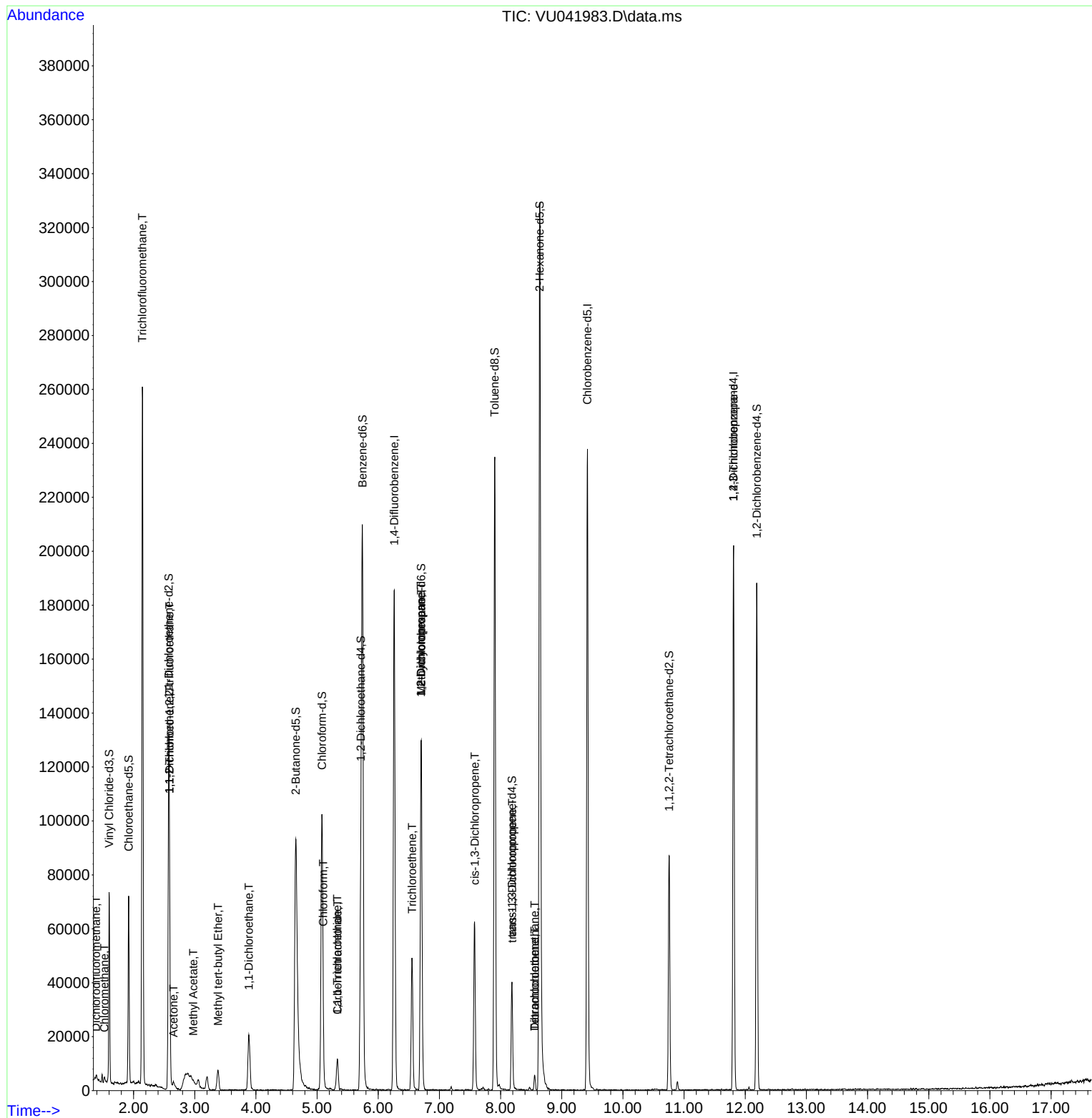
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.809	75	6380	0.78	ug/L	95

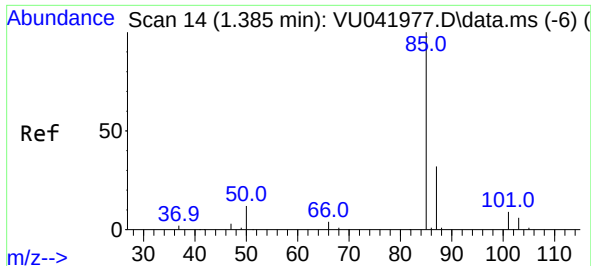
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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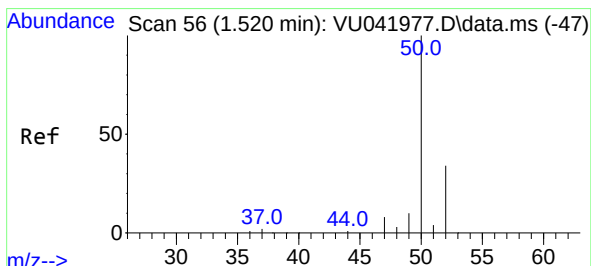
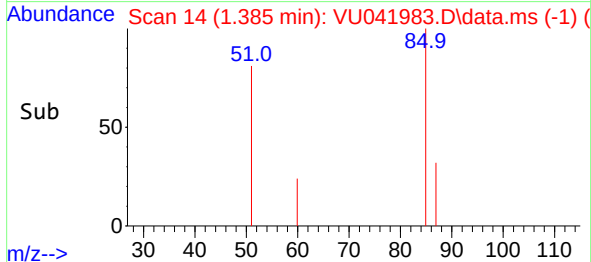
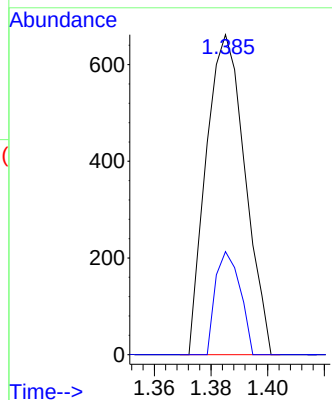
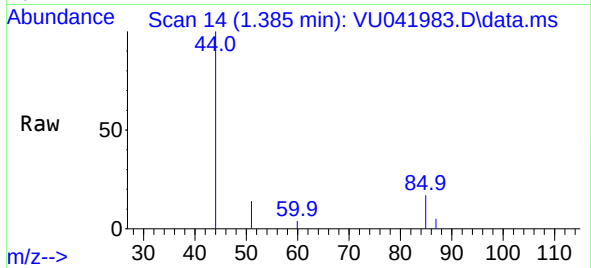




#2
Dichlorodifluoromethane
Concen: 0.05 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU041983.D
Acq: 13 Jan 2021 16:13

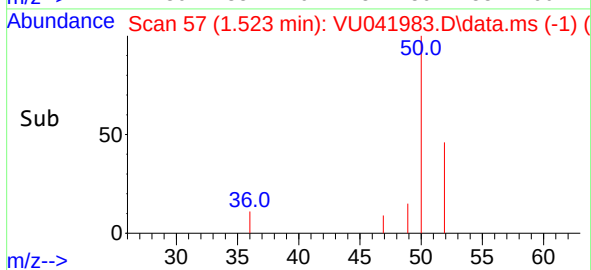
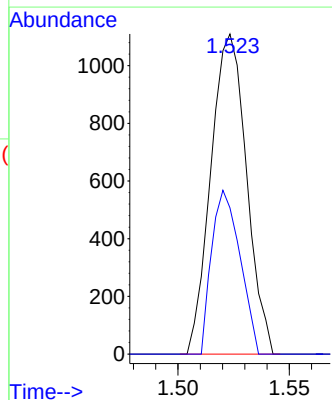
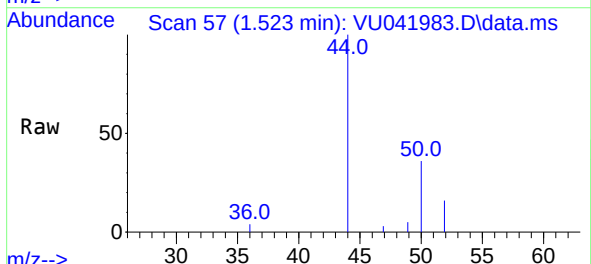
Instrument :
MSVOA_U
ClientSampled :
BFXK3

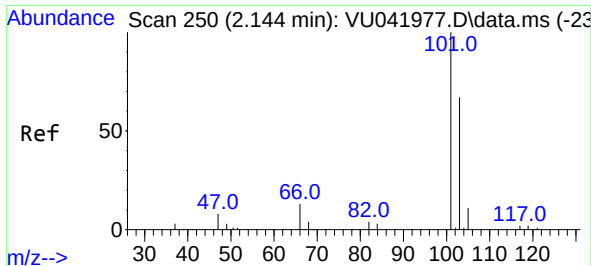
Tgt Ion: 85 Resp: 630
Ion Ratio Lower Upper
85 100
87 20.3 25.7 38.5#



#3
Chloromethane
Concen: 0.07 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU041983.D
Acq: 13 Jan 2021 16:13

Tgt Ion: 50 Resp: 1236
Ion Ratio Lower Upper
50 100
52 45.7 23.5 43.7#

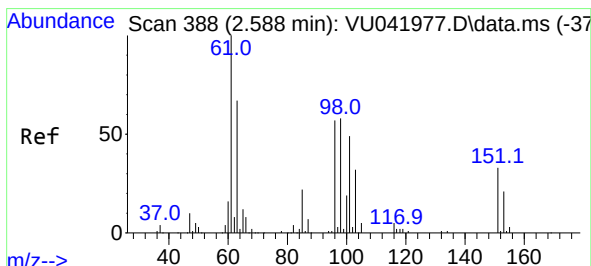
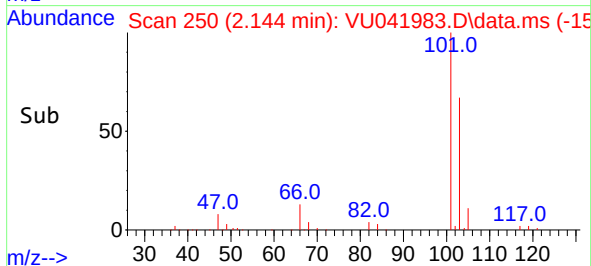
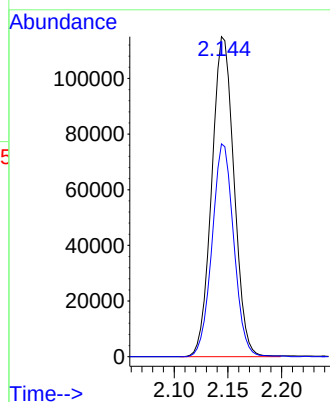
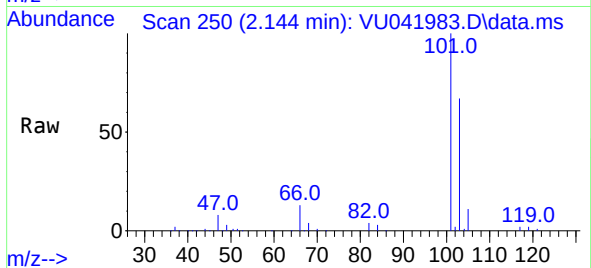




#9
Trichlorofluoromethane
Concen: 7.44 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU041983.D
Acq: 13 Jan 2021 16:13

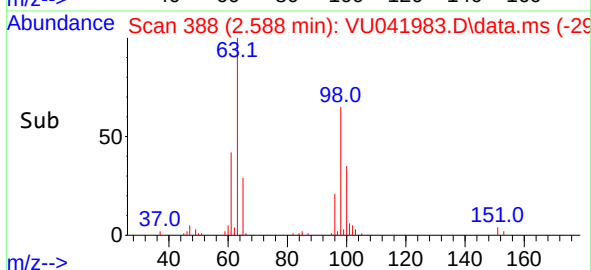
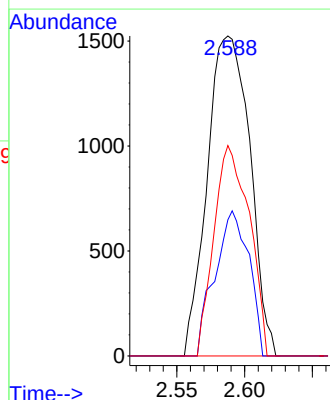
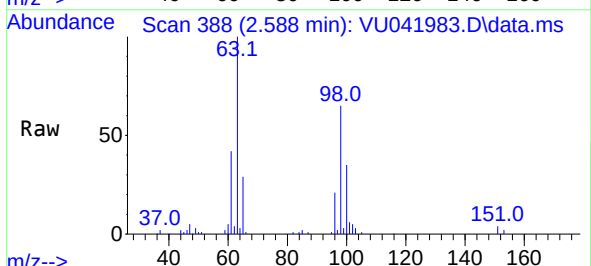
Instrument :
MSVOA_U
ClientSampled :
BFXK3

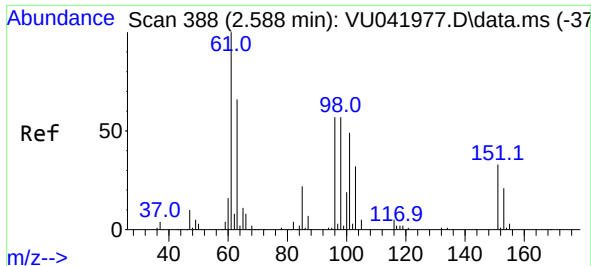
Tgt Ion:101 Resp: 165834
Ion Ratio Lower Upper
101 100
103 64.8 51.6 77.4



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.28 ug/L
RT: 2.588 min Scan# 388
Delta R.T. -0.000 min
Lab File: VU041983.D
Acq: 13 Jan 2021 16:13

Tgt Ion:101 Resp: 3336
Ion Ratio Lower Upper
101 100
85 36.2 35.9 53.9
151 54.6 55.4 83.2#





#12

1,1-Dichloroethene

Concen: 0.76 ug/L

RT: 2.588 min Scan# 388

Delta R.T. -0.000 min

Lab File: VU041983.D

Acq: 13 Jan 2021 16:13

Tgt Ion: 96 Resp: 8868

Ion Ratio Lower Upper

96 100

61 202.2 122.2 226.9

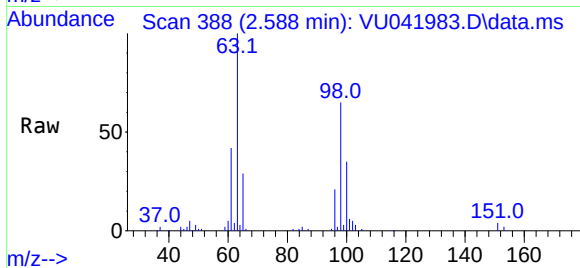
63 477.1 82.8 153.8#

Instrument :

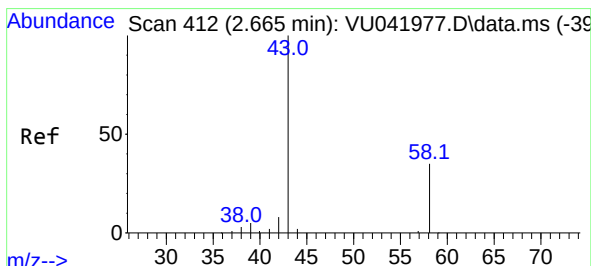
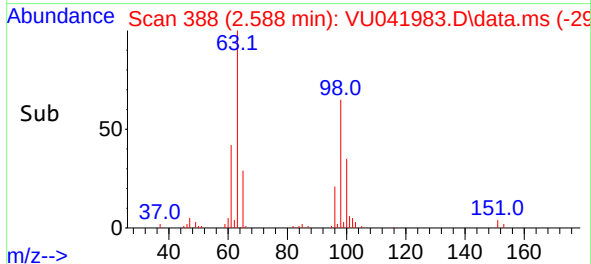
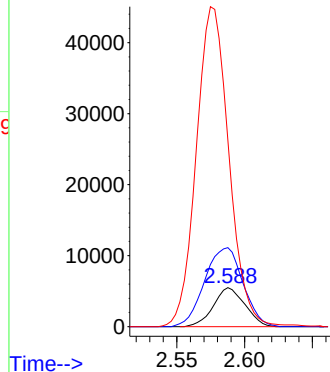
MSVOA_U

ClientSampled :

BFXK3



Abundance



#13

Acetone

Concen: 2.17 ug/L

RT: 2.652 min Scan# 408

Delta R.T. -0.013 min

Lab File: VU041983.D

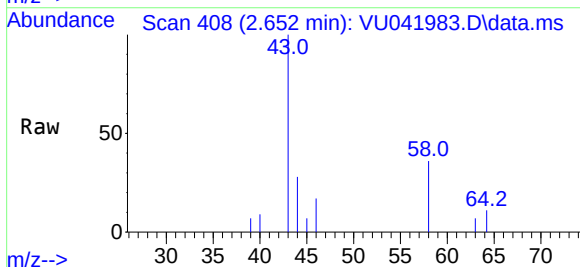
Acq: 13 Jan 2021 16:13

Tgt Ion: 43 Resp: 5129

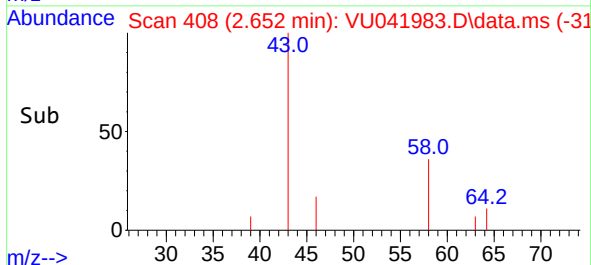
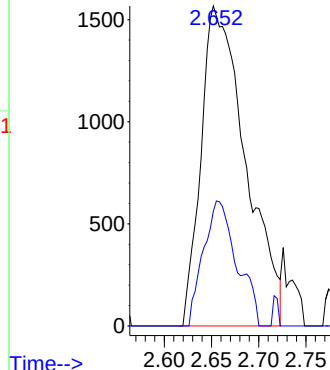
Ion Ratio Lower Upper

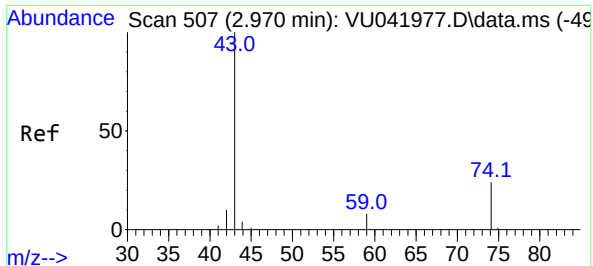
43 100

58 29.4 0.0 57.4



Abundance

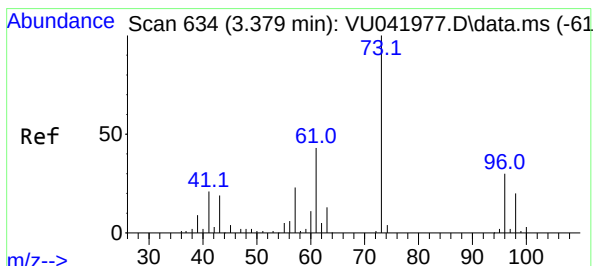
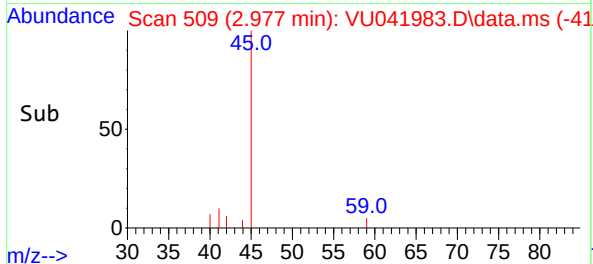
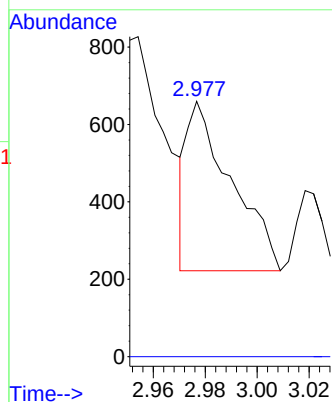
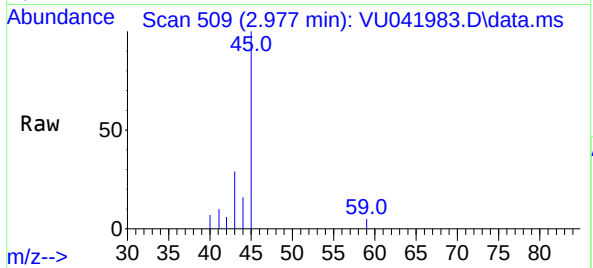




#15
Methyl Acetate
Concen: 0.09 ug/L
RT: 2.977 min Scan# 509
Delta R.T. 0.006 min
Lab File: VU041983.D
Acq: 13 Jan 2021 16:13

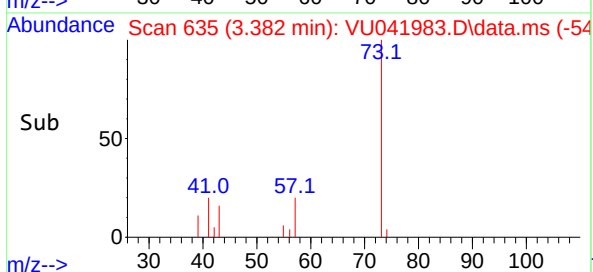
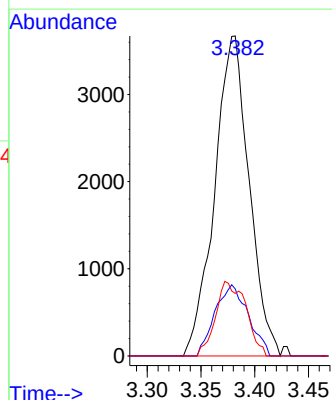
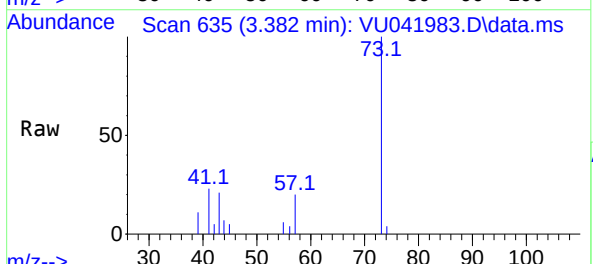
Instrument :
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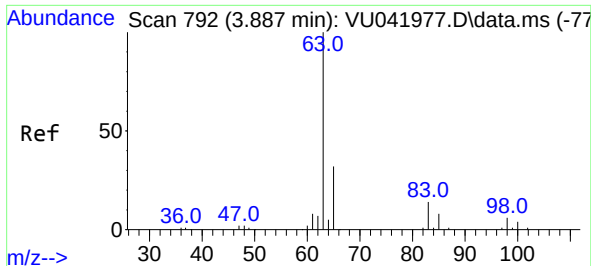
Tgt Ion: 43 Resp: 520
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#17
Methyl tert-butyl Ether
Concen: 0.27 ug/L
RT: 3.382 min Scan# 635
Delta R.T. 0.003 min
Lab File: VU041983.D
Acq: 13 Jan 2021 16:13

Tgt Ion: 73 Resp: 8188
Ion Ratio Lower Upper
73 100
43 21.5 15.1 22.7
57 20.5 18.0 27.0



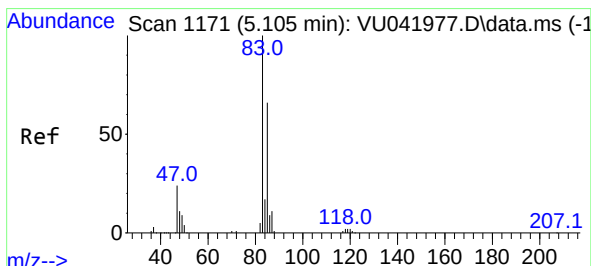
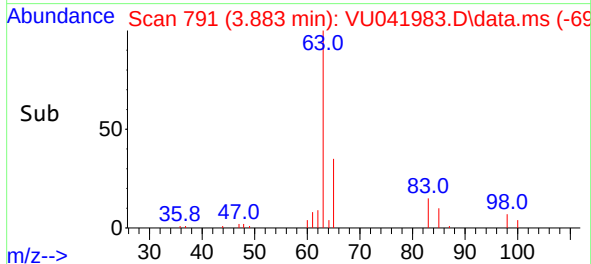
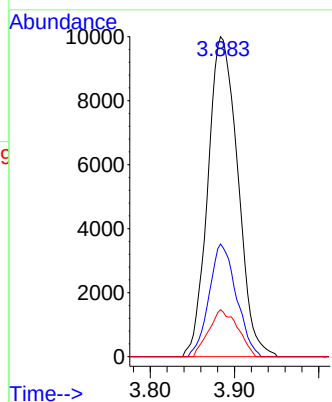
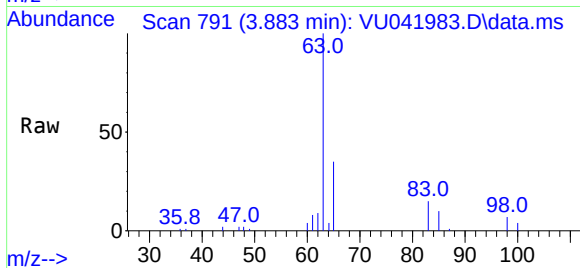


#19

1,1-Dichloroethane
Concen: 1.06 ug/L
RT: 3.883 min Scan# 791
Delta R.T. -0.003 min
Lab File: VU041983.D
Acq: 13 Jan 2021 16:13

Instrument :
MSVOA_U
ClientSampleId :
BFXK3

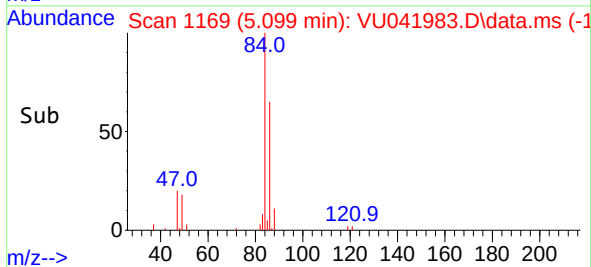
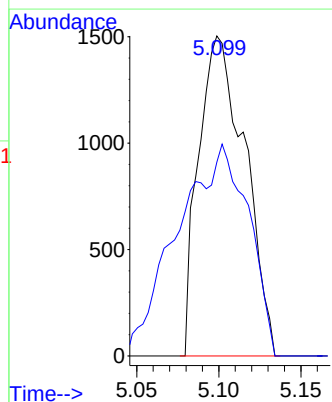
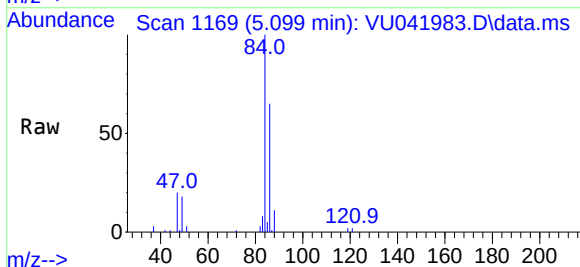
Tgt Ion:	63	Resp:	24661
Ion	Ratio	Lower	Upper
63	100		
65	35.2	22.7	42.1
83	14.7	9.4	17.6

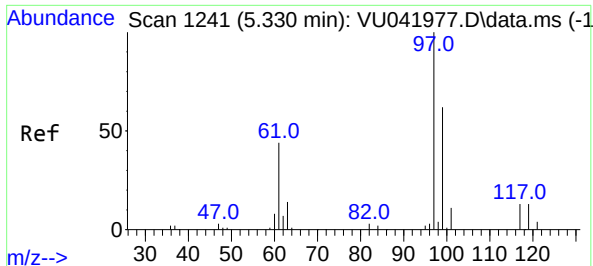


#25

Chloroform
Concen: 0.13 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. -0.007 min
Lab File: VU041983.D
Acq: 13 Jan 2021 16:13

Tgt Ion:	83	Resp:	2945
Ion	Ratio	Lower	Upper
83	100		
85	60.6	46.1	85.7

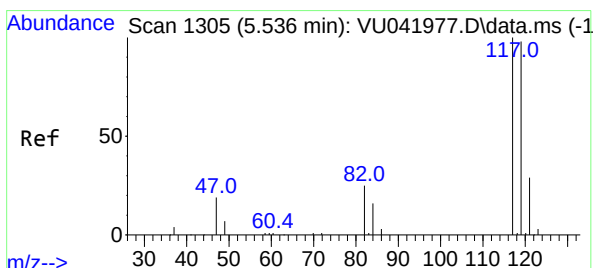
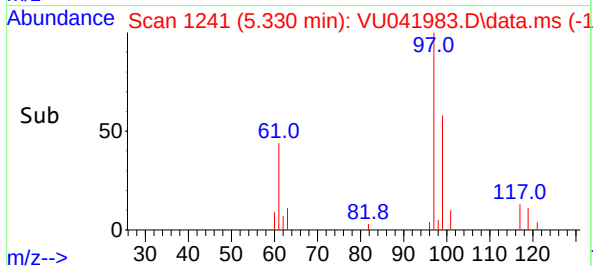
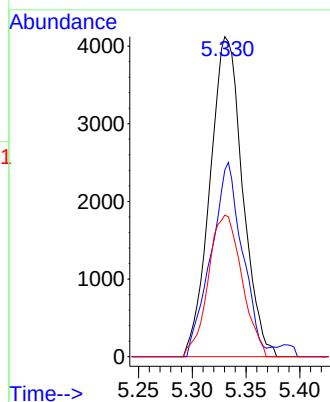
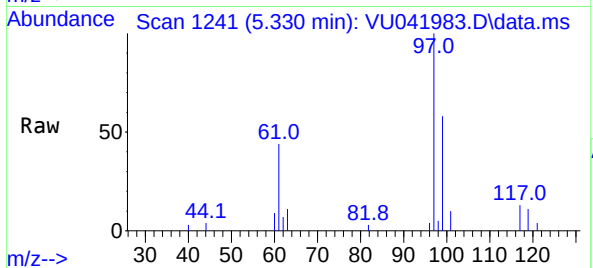




#29
1,1,1-Trichloroethane
Concen: 0.46 ug/L
RT: 5.330 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VU041983.D
Acq: 13 Jan 2021 16:13

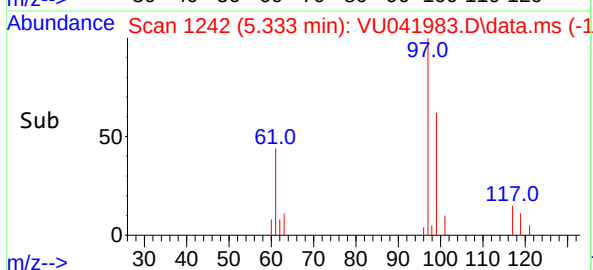
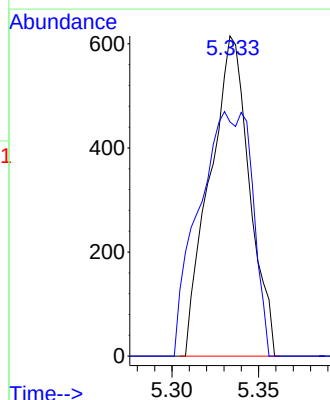
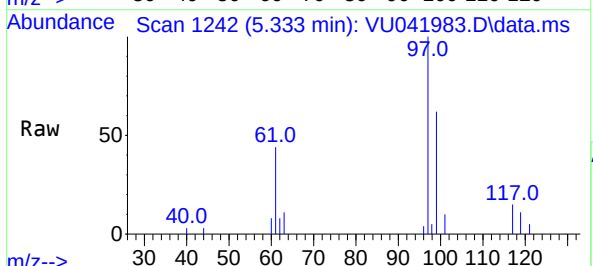
Instrument :
MSVOA_U
ClientSampled :
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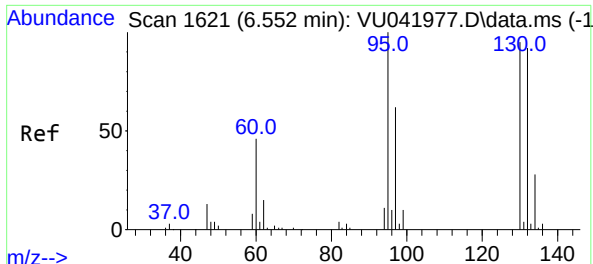
Tgt Ion: 97	Resp: 8701	
Ion Ratio	Lower	Upper
97	100	
99	58.4	50.2 75.4
61	45.6	35.8 53.6



#31
Carbon tetrachloride
Concen: 0.06 ug/L
RT: 5.333 min Scan# 1242
Delta R.T. -0.203 min
Lab File: VU041983.D
Acq: 13 Jan 2021 16:13

Tgt Ion:117	Resp:	977	
Ion	Ratio	Lower	Upper
117	100		
119	103.4	76.6	114.8





#34

Trichloroethene

Concen: 1.48 ug/L

RT: 6.552 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VU041983.D

Acq: 13 Jan 2021 16:13

Tgt Ion: 95 Resp: 17693

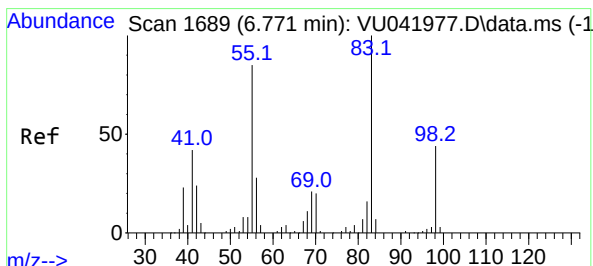
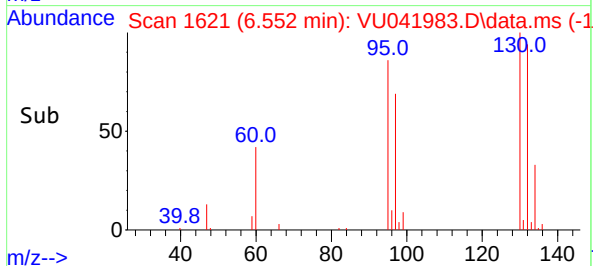
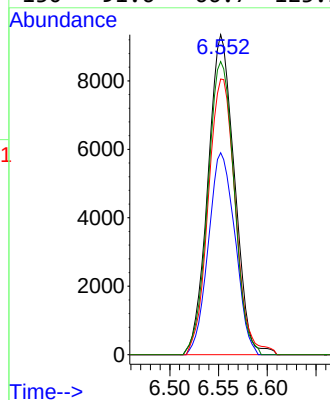
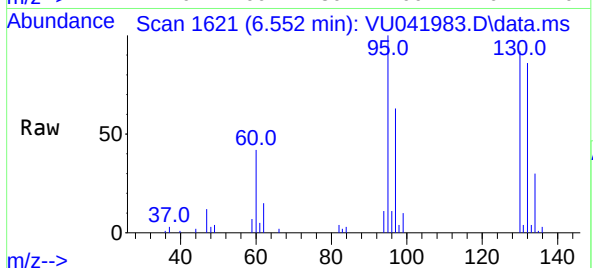
Ion Ratio Lower Upper

95 100

97 63.1 43.6 81.0

132 86.1 64.3 119.3

130 91.6 66.7 123.9



#35

Methylcyclohexane

Concen: 0.76 ug/L

RT: 6.703 min Scan# 1668

Delta R.T. -0.068 min

Lab File: VU041983.D

Acq: 13 Jan 2021 16:13

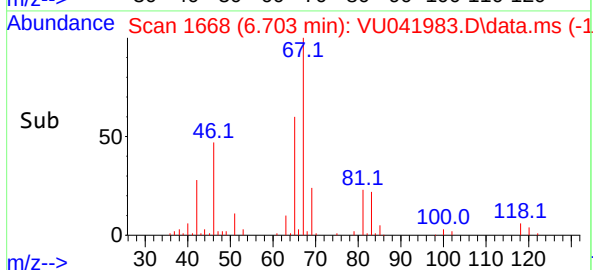
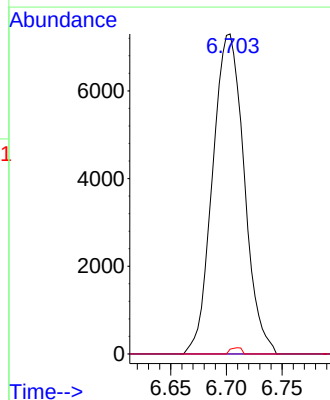
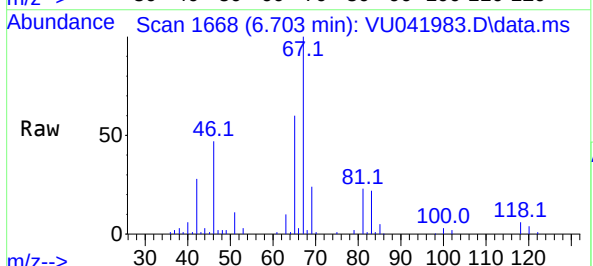
Tgt Ion: 83 Resp: 14388

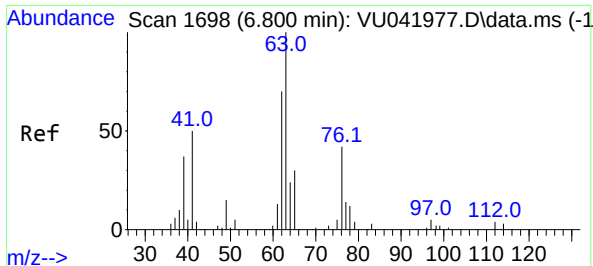
Ion Ratio Lower Upper

83 100

55 0.0 66.8 100.2#

98 0.7 35.7 53.5#

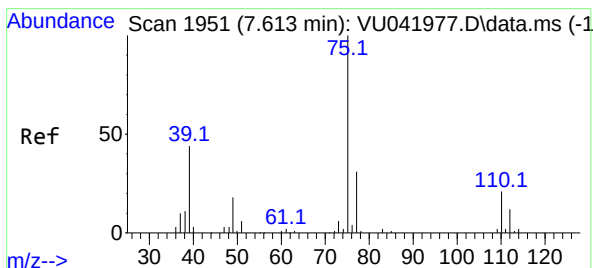
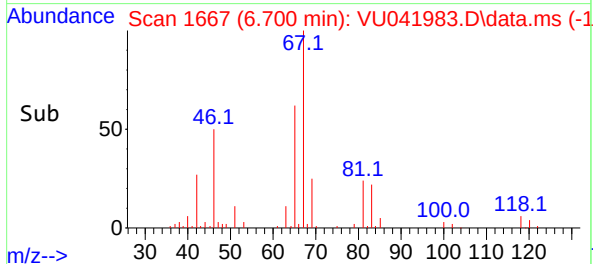
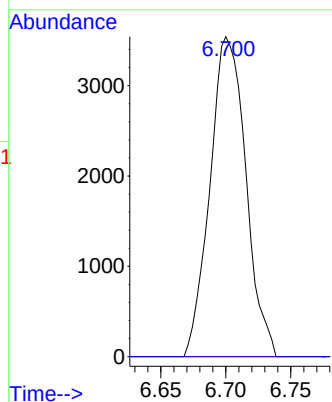
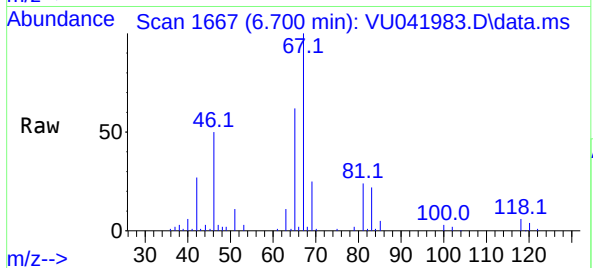




#37
1,2-Dichloropropane
Concen: 0.55 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU041983.D
Acq: 13 Jan 2021 16:13

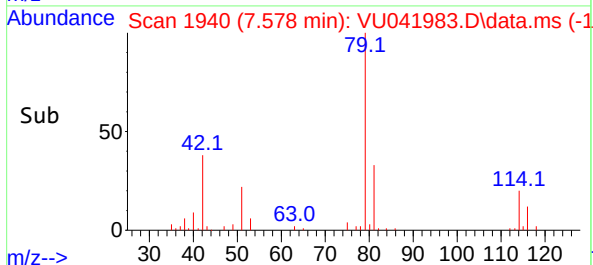
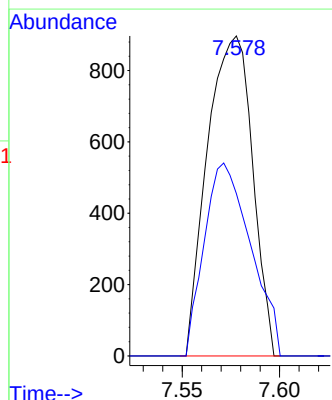
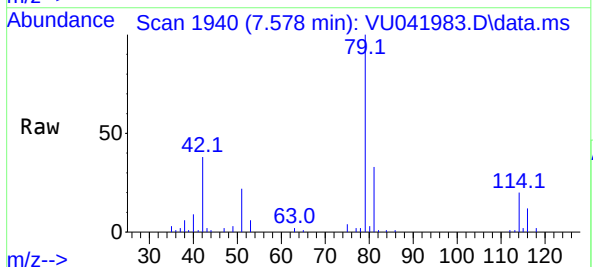
Tgt Ion: 63 Resp: 6800
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#

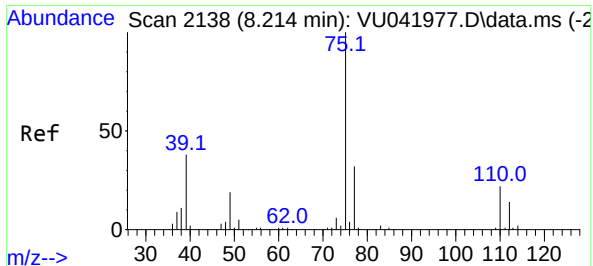
Instrument :
MSVOA_U
ClientSampled :
BFXK3



#39
cis-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 7.578 min Scan# 1940
Delta R.T. -0.035 min
Lab File: VU041983.D
Acq: 13 Jan 2021 16:13

Tgt Ion: 75 Resp: 1446
Ion Ratio Lower Upper
75 100
77 50.7 21.9 40.7#

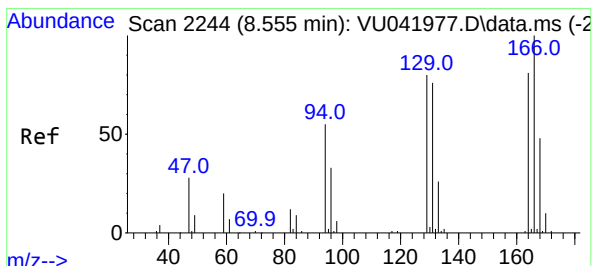
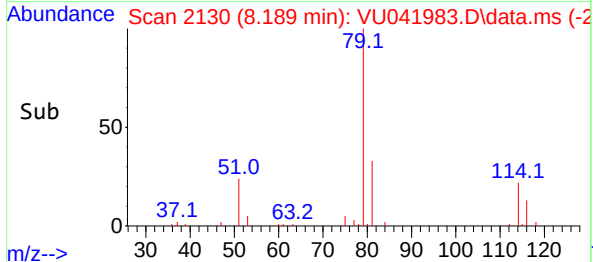
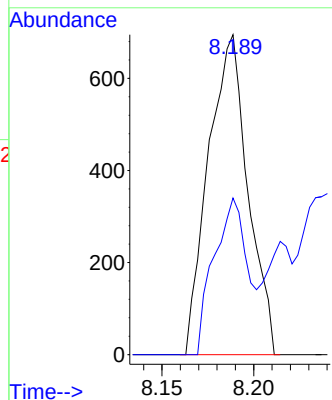
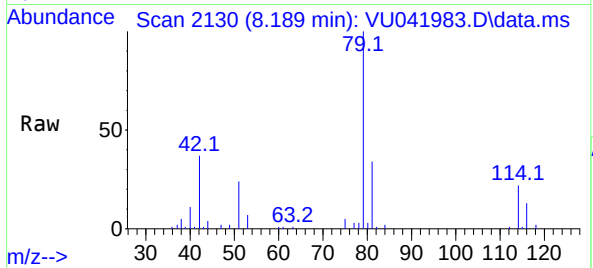




#44
trans-1,3-Dichloropropene
Concen: 0.06 ug/L
RT: 8.189 min Scan# 2130
Delta R.T. -0.026 min
Lab File: VU041983.D
Acq: 13 Jan 2021 16:13

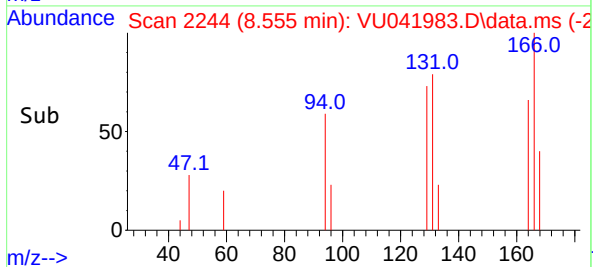
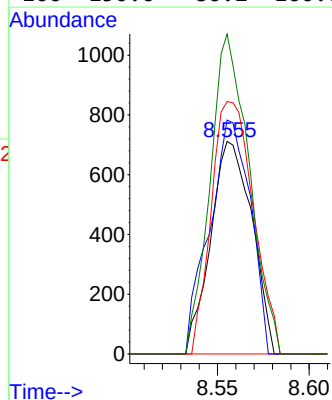
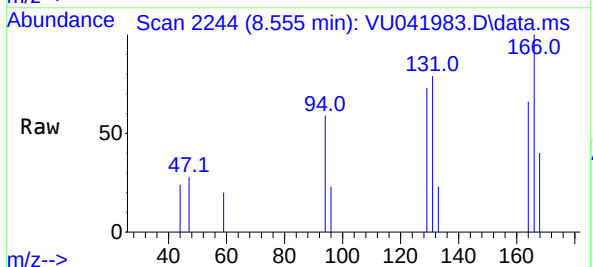
Instrument :
MSVOA_U
ClientSampled :
BFXK3

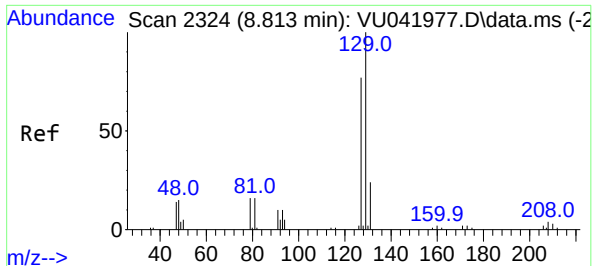
Tgt Ion: 75 Resp: 1041
Ion Ratio Lower Upper
75 100
77 48.9 22.0 41.0#



#47
Tetrachloroethene
Concen: 0.14 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU041983.D
Acq: 13 Jan 2021 16:13

Tgt Ion: 164 Resp: 1115
Ion Ratio Lower Upper
164 100
129 110.1 68.7 127.5
131 118.8 65.2 121.0
166 150.6 86.2 160.0





#49

Dibromochloromethane

Concen: 0.13 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU041983.D

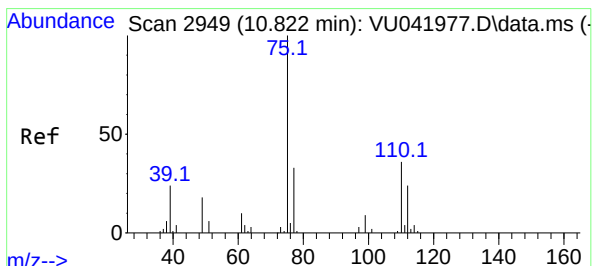
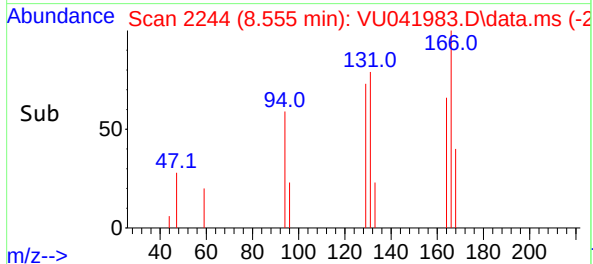
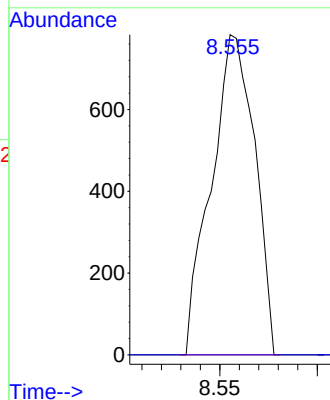
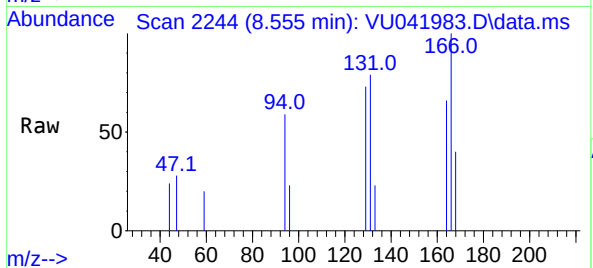
Acq: 13 Jan 2021 16:13

Tgt Ion:129 Resp: 1217

Ion Ratio Lower Upper

129 100

127 0.0 53.7 99.7#



#59

1,2,3-Trichloropropane

Concen: 0.78 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.987 min

Lab File: VU041983.D

Acq: 13 Jan 2021 16:13

Tgt Ion: 75 Resp: 6380

Ion Ratio Lower Upper

75 100

77 35.0 25.6 38.4

