

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011321\
 Data File : VU042006.D
 Acq On : 14 Jan 2021 01:52
 Operator : SY/MD
 Sample : M1065-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 02:49:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011321WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 15 02:46:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.260	114	115203	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	101464	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	42221	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	42201	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.919	69	44209	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.40%
11) 1,1-Dichloroethene-d2	2.575	63	64437	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	4.652	46	162696	55.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.54%
24) Chloroform-d	5.079	84	95861	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.80%
26) 1,2-Dichloroethane-d4	5.716	65	53908	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.20%
32) Benzene-d6	5.742	84	183553	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
36) 1,2-Dichloropropane-d6	6.700	67	55843	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.906	98	129760	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloroprop...	8.185	79	20546	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.639	63	112066	50.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.12%
57) 1,1,2,2-Tetrachloroeth...	10.755	84	45237	5.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.40%
64) 1,2-Dichlorobenzene-d4	12.189	152	44592	5.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.20%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	679	0.06	ug/L	93
3) Chloromethane	1.523	50	1190	0.09	ug/L	89
9) Trichlorofluoromethane	2.144	101	7029	0.41	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	877	0.10	ug/L #	34
12) 1,1-Dichloroethene	2.578	96	941	0.10	ug/L #	1
13) Acetone	2.662	43	3843	2.11	ug/L	70
17) Methyl tert-butyl Ether	3.375	73	4479	0.19	ug/L	97
19) 1,1-Dichloroethane	3.890	63	1136	0.06	ug/L #	49
22) cis-1,2-Dichloroethene	4.681	96	12694	1.33	ug/L	88
25) Chloroform	5.102	83	7608	0.42	ug/L	95
31) Carbon tetrachloride	5.539	117	1685	0.13	ug/L	91
34) Trichloroethene	6.552	95	171545	18.28	ug/L	97
35) Methylcyclohexane	6.703	83	12461	0.84	ug/L #	17
37) 1,2-Dichloropropane	6.700	63	5691	0.58	ug/L #	90
39) cis-1,3-Dichloropropene	7.578	75	1252	0.09	ug/L #	56
44) trans-1,3-Dichloropropene	8.189	75	920	0.07	ug/L	98
47) Tetrachloroethene	8.558	164	27817	4.58	ug/L	93
49) Dibromochloromethane	8.558	129	28938	3.85	ug/L #	11
59) 1,2,3-Trichloropropane	11.809	75	5501	0.86	ug/L	99

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QLast Update : Fri Jan 15 02:46:12 2021
Response via : Initial Calibration

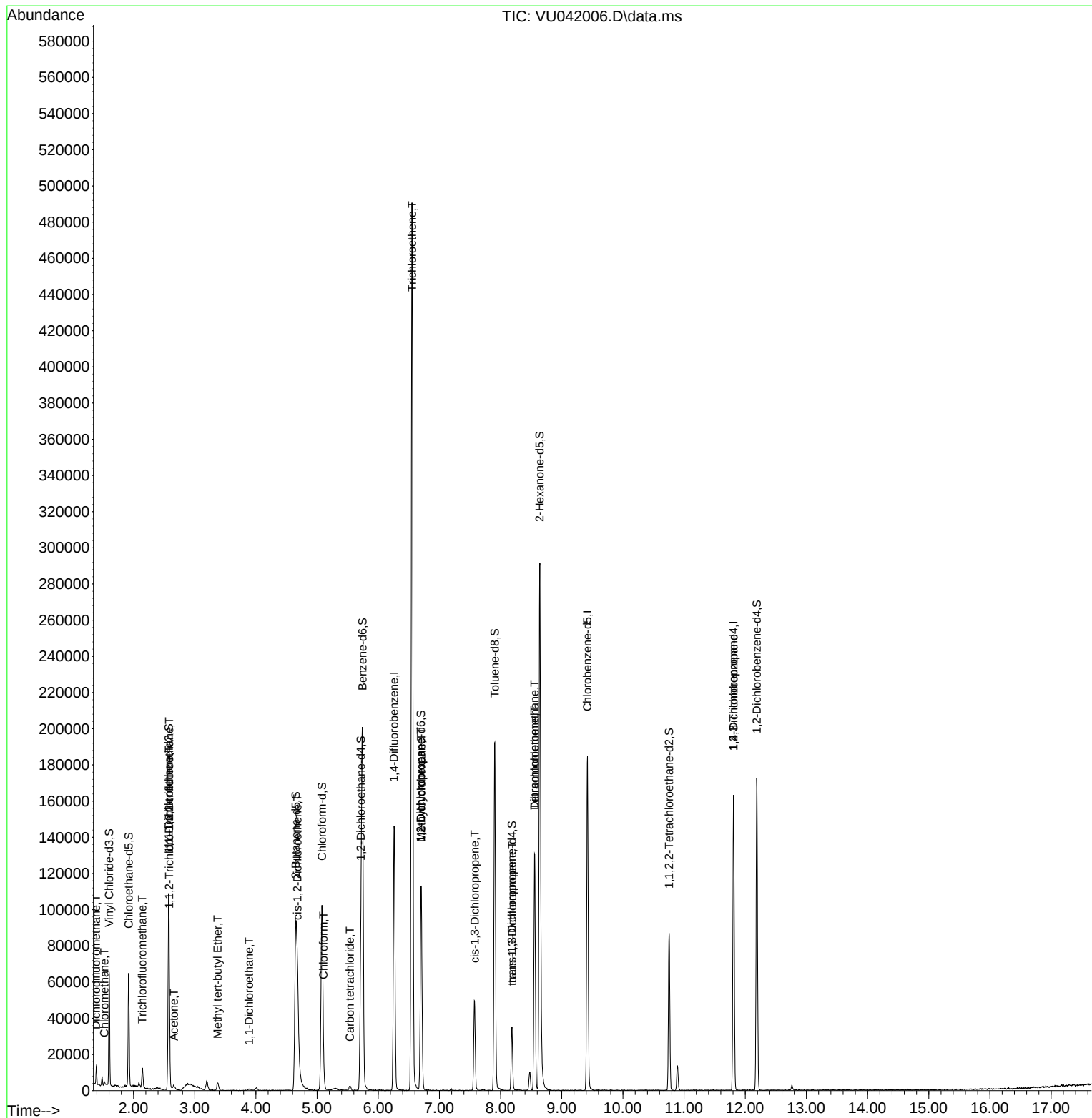
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

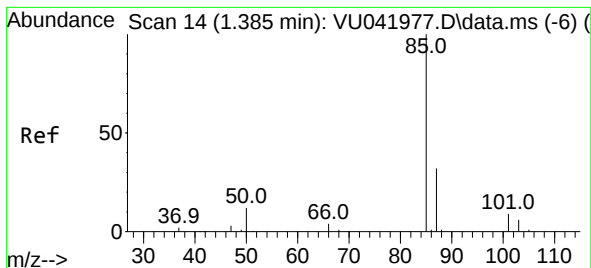
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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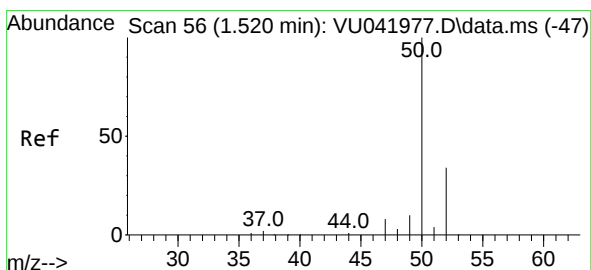
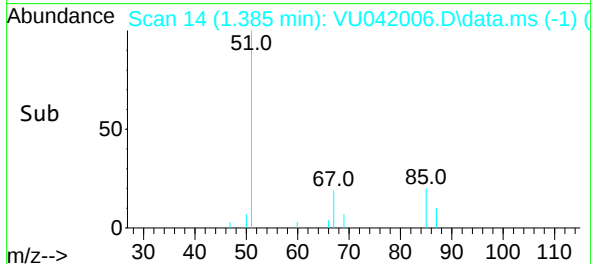
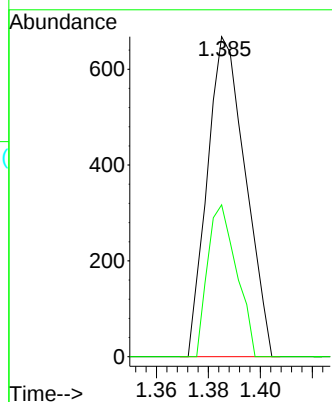
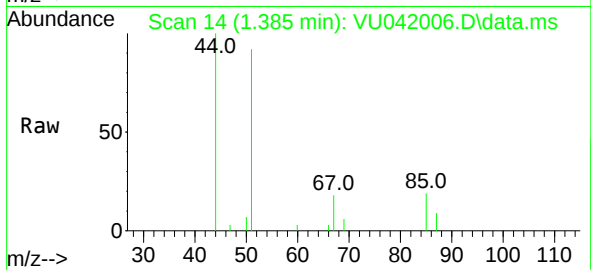




#2
Dichlorodifluoromethane
Concen: 0.06 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU042006.D
Acq: 14 Jan 2021 01:52

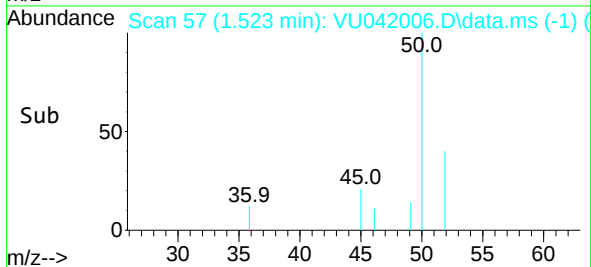
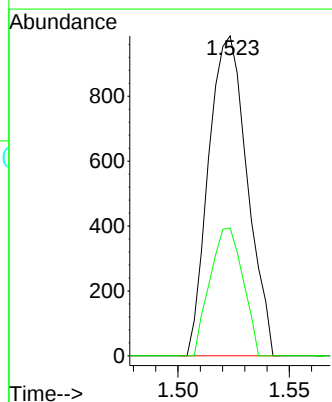
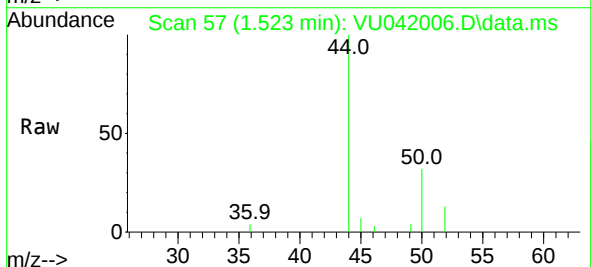
Instrument :
MSVOA_U
ClientSampled :

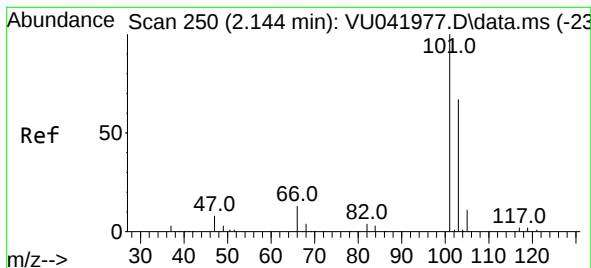
Tgt Ion: 85 Resp: 679
Ion Ratio Lower Upper
85 100
87 36.1 25.7 38.5



#3
Chloromethane
Concen: 0.09 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU042006.D
Acq: 14 Jan 2021 01:52

Tgt Ion: 50 Resp: 1190
Ion Ratio Lower Upper
50 100
52 40.0 23.5 43.7



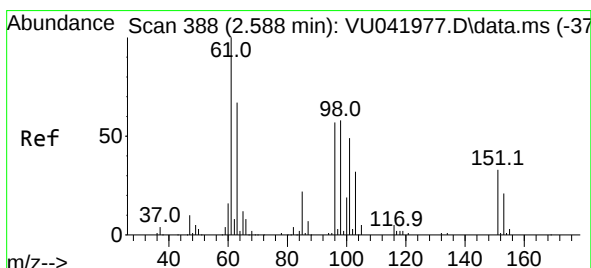
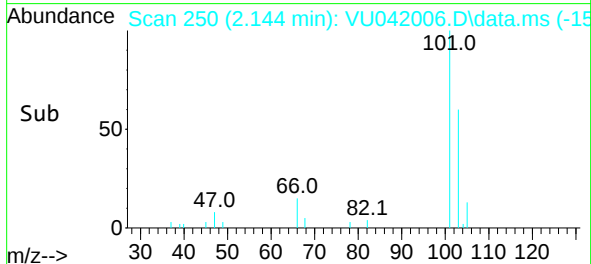
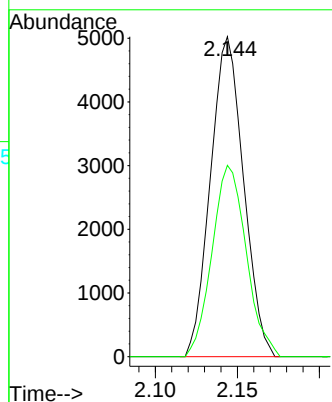
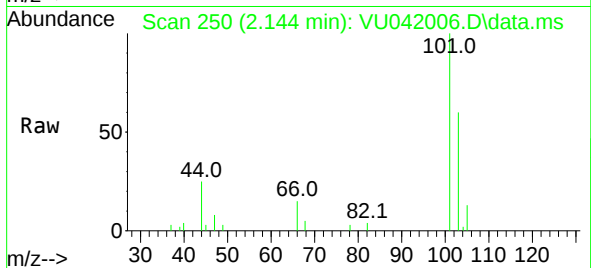


#9

Trichlorofluoromethane
Concen: 0.41 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU042006.D
Acq: 14 Jan 2021 01:52

Instrument :
MSVOA_U
ClientSampled :

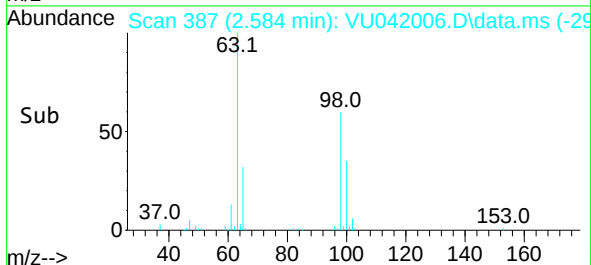
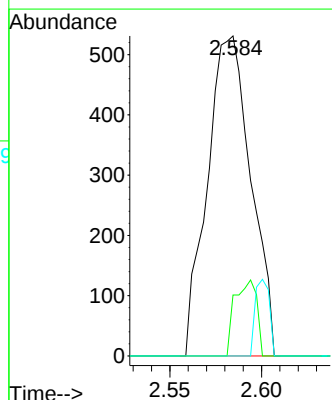
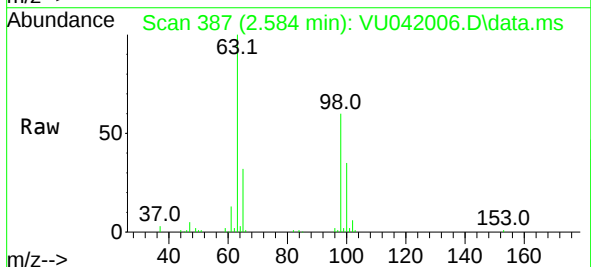
Tgt Ion:101 Resp: 7029
Ion Ratio Lower Upper
101 100
103 61.8 51.6 77.4

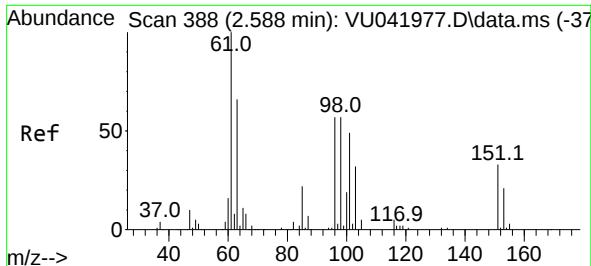


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.10 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.006 min
Lab File: VU042006.D
Acq: 14 Jan 2021 01:52

Tgt Ion:101 Resp: 877
Ion Ratio Lower Upper
101 100
85 12.0 35.9 53.9#
151 7.8 55.4 83.2#





#12

1,1-Dichloroethene

Concen: 0.10 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.010 min

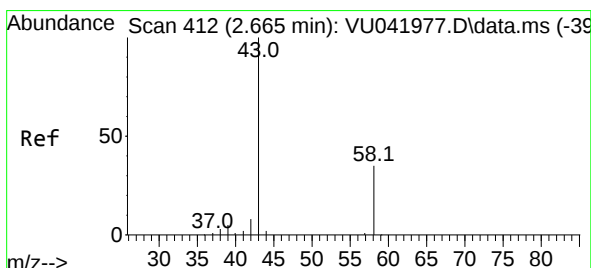
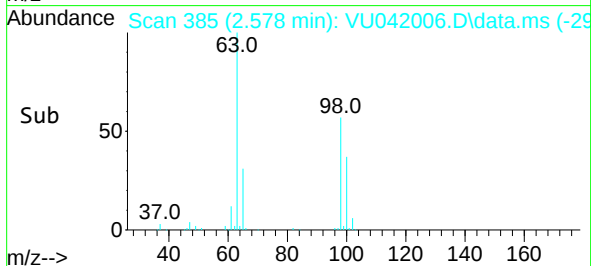
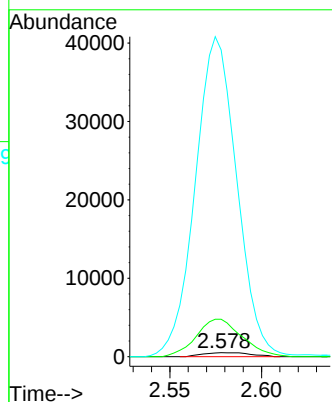
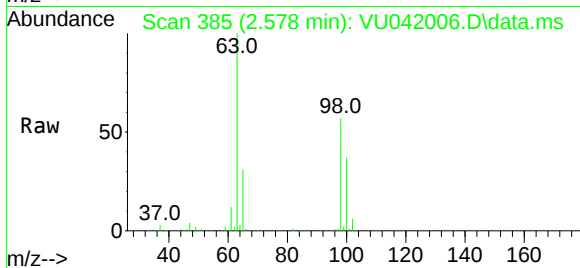
Lab File: VU042006.D

Acq: 14 Jan 2021 01:52

Tgt Ion: 96 Resp: 941

Ion	Ratio	Lower	Upper
96	100		
61	952.4	122.2	226.9#
63	7794.4	82.8	153.8#

Instrument :
MSVOA_U
ClientSampled :



#13

Acetone

Concen: 2.11 ug/L

RT: 2.662 min Scan# 411

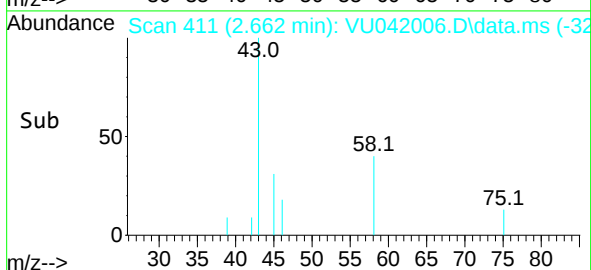
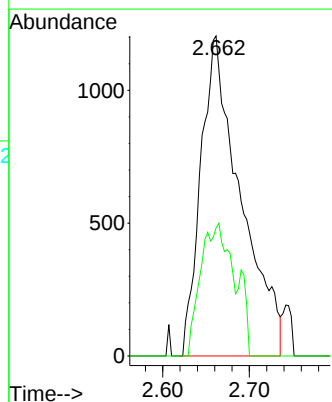
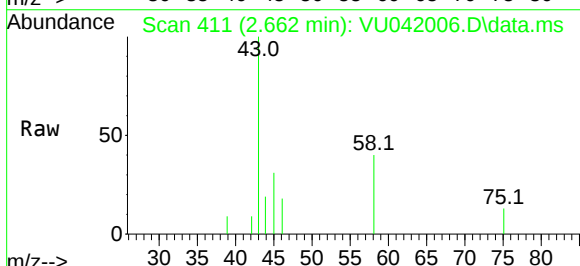
Delta R.T. -0.010 min

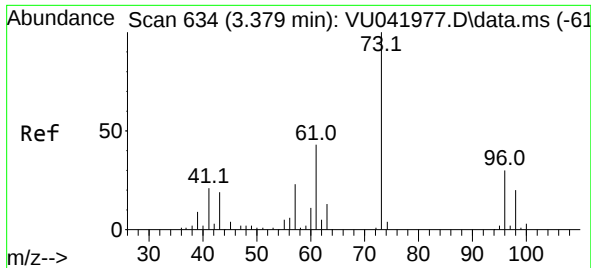
Lab File: VU042006.D

Acq: 14 Jan 2021 01:52

Tgt Ion: 43 Resp: 3843

Ion	Ratio	Lower	Upper
43	100		
58	12.5	0.0	57.4

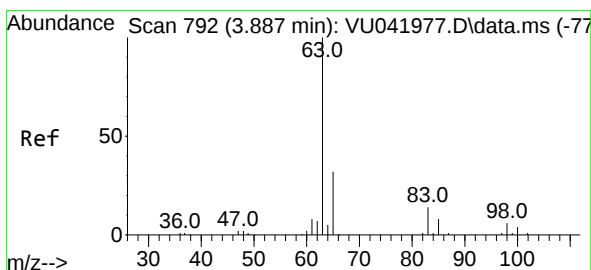
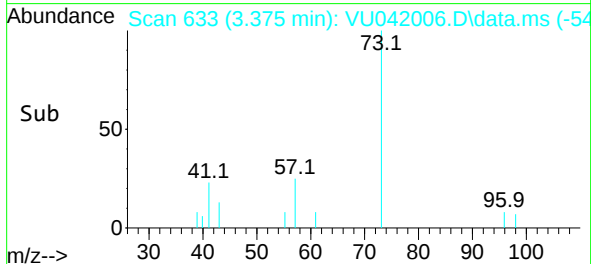
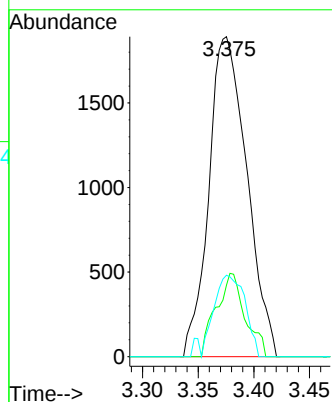
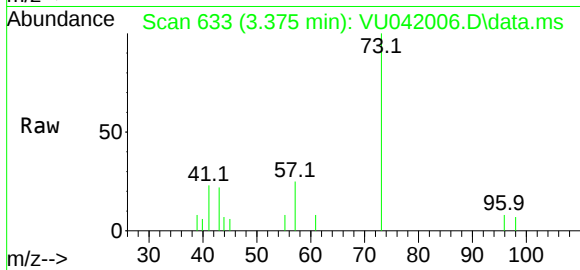




#17
Methyl tert-butyl Ether
Concen: 0.19 ug/L
RT: 3.375 min Scan# 633
Delta R.T. -0.003 min
Lab File: VU042006.D
Acq: 14 Jan 2021 01:52

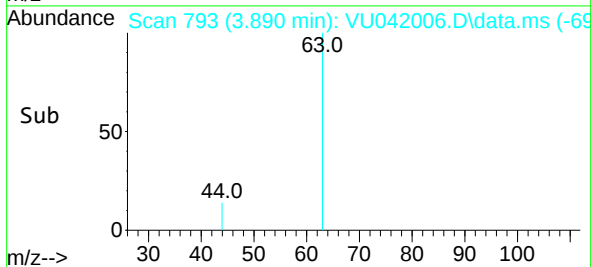
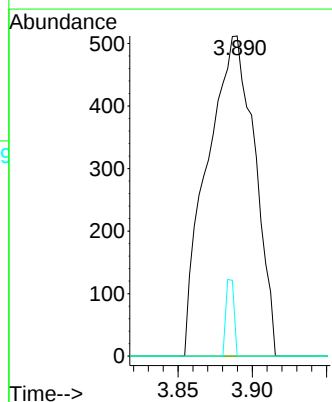
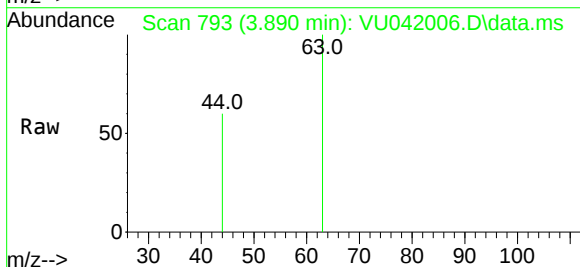
Instrument :
MSVOA_U
ClientSampleId :

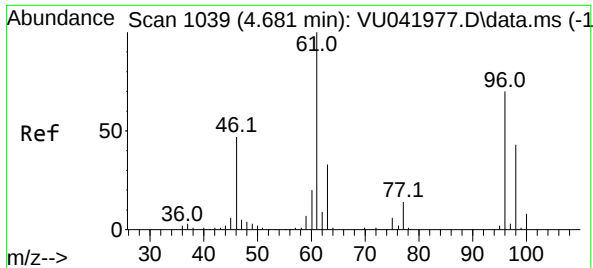
Tgt Ion: 73	Resp: 4479
Ion Ratio	Lower Upper
73 100	
43 19.9	15.1 22.7
57 20.8	18.0 27.0



#19
1,1-Dichloroethane
Concen: 0.06 ug/L
RT: 3.890 min Scan# 793
Delta R.T. 0.003 min
Lab File: VU042006.D
Acq: 14 Jan 2021 01:52

Tgt Ion: 63	Resp: 1136
Ion Ratio	Lower Upper
63 100	
65 0.0	22.7 42.1#
83 0.0	9.4 17.6#

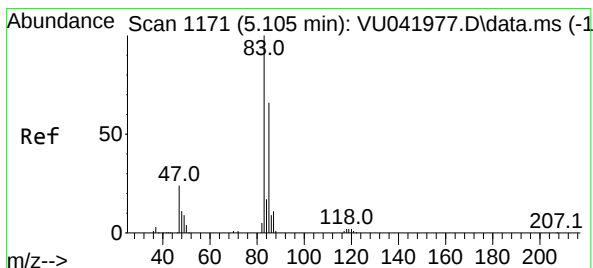
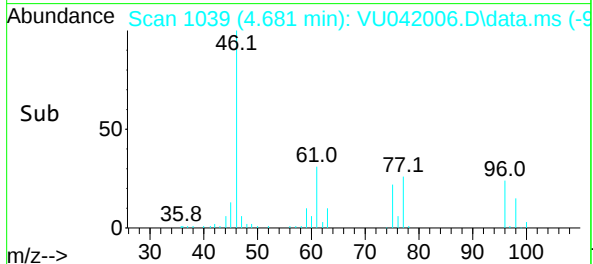
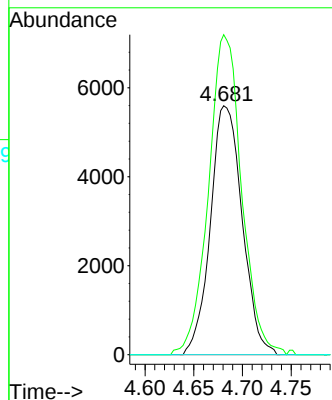
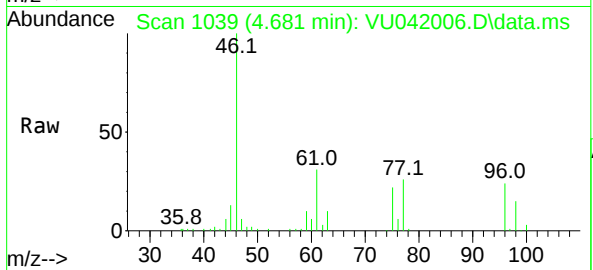




#22
cis-1,2-Dichloroethene
Concen: 1.33 ug/L
RT: 4.681 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VU042006.D
Acq: 14 Jan 2021 01:52

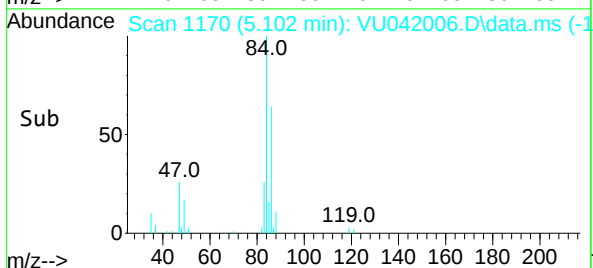
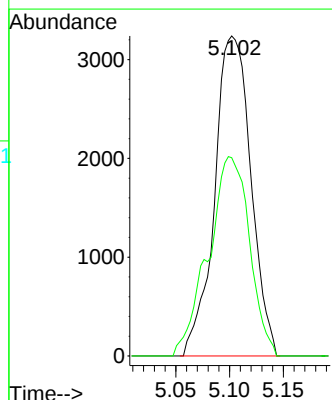
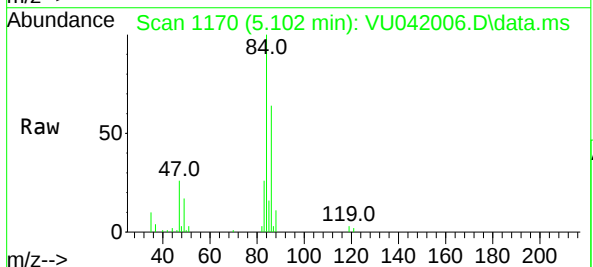
Instrument :
MSVOA_U
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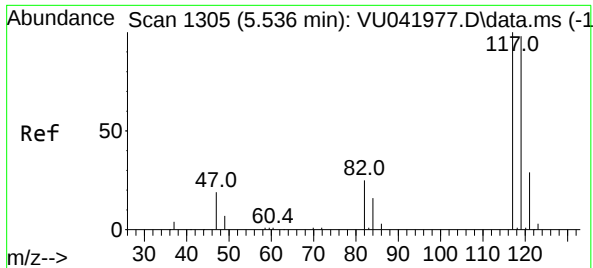
Tgt Ion: 96 Resp: 12694
Ion Ratio Lower Upper
96 100
61 128.5 100.3 186.3
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.42 ug/L
RT: 5.102 min Scan# 1170
Delta R.T. -0.003 min
Lab File: VU042006.D
Acq: 14 Jan 2021 01:52

Tgt Ion: 83 Resp: 7608
Ion Ratio Lower Upper
83 100
85 61.9 46.1 85.7

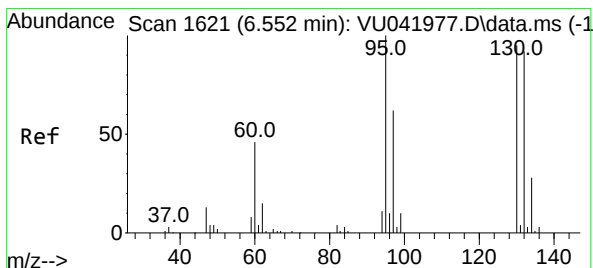
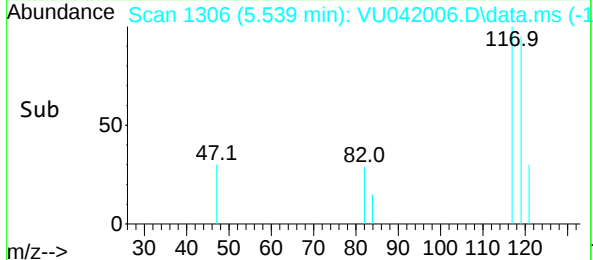
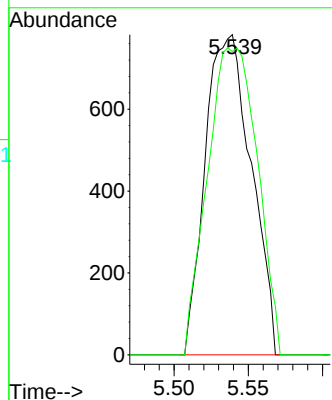
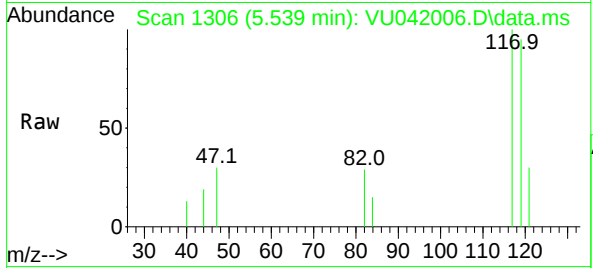




#31
Carbon tetrachloride
Concen: 0.13 ug/L
RT: 5.539 min Scan# 1306
Delta R.T. -0.000 min
Lab File: VU042006.D
Acq: 14 Jan 2021 01:52

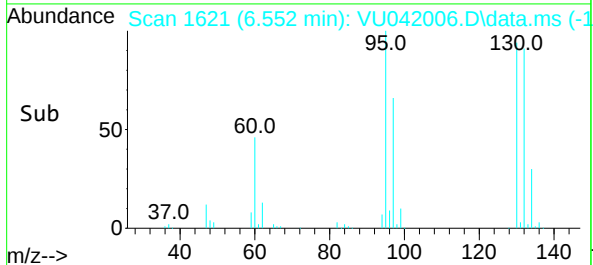
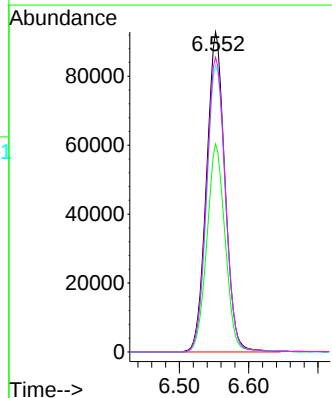
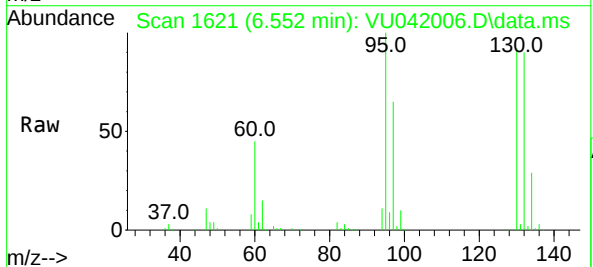
Instrument :
MSVOA_U
ClientSampled :

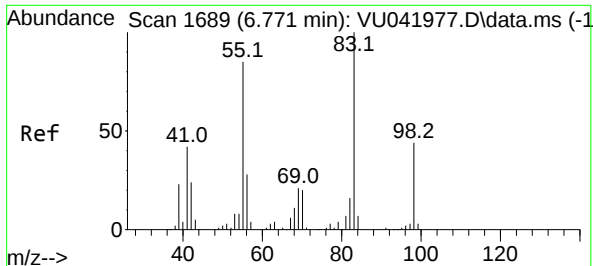
Tgt Ion:117 Resp: 1685
Ion Ratio Lower Upper
117 100
119 104.2 76.6 114.8



#34
Trichloroethene
Concen: 18.28 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VU042006.D
Acq: 14 Jan 2021 01:52

Tgt Ion: 95 Resp: 171545
Ion Ratio Lower Upper
95 100
97 65.0 43.6 81.0
132 89.6 64.3 119.3
130 92.1 66.7 123.9





#35

Methylcyclohexane

Concen: 0.84 ug/L

RT: 6.703 min Scan# 1668

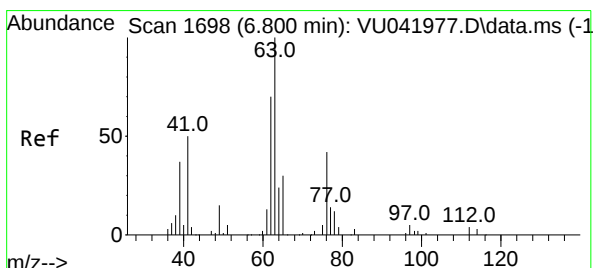
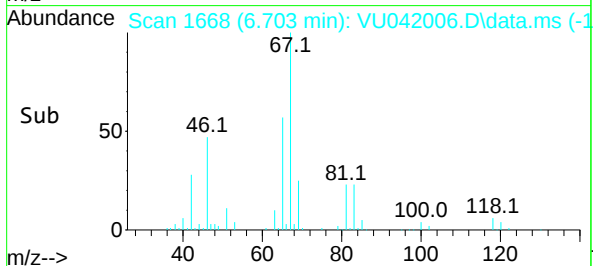
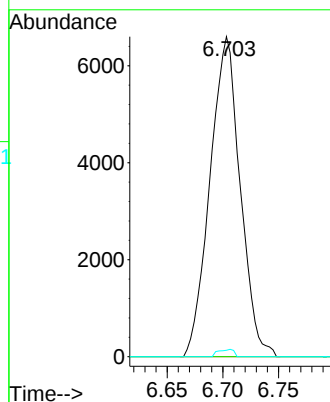
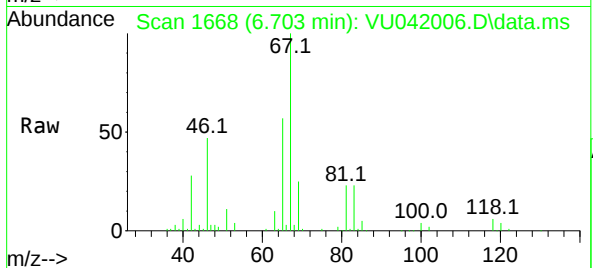
Delta R.T. -0.071 min

Lab File: VU042006.D

Acq: 14 Jan 2021 01:52

Tgt Ion:	83	Resp:	12461
Ion	Ratio	Lower	Upper
83	100		
55	0.0	66.8	100.2#
98	1.2	35.7	53.5#

Instrument :
MSVOA_U
ClientSampleId :



#37

1,2-Dichloropropane

Concen: 0.58 ug/L

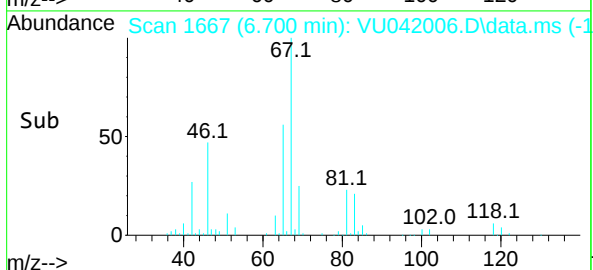
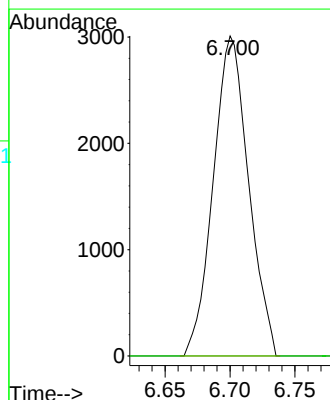
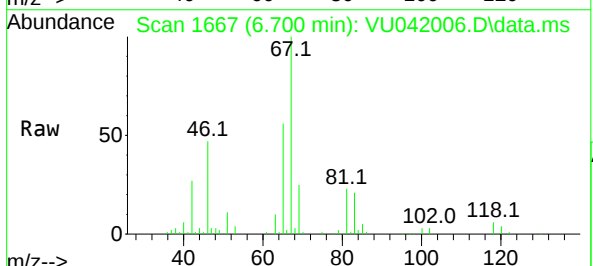
RT: 6.700 min Scan# 1667

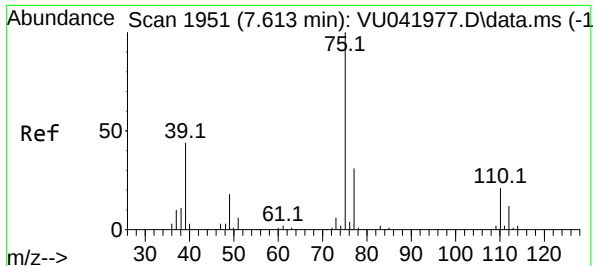
Delta R.T. -0.103 min

Lab File: VU042006.D

Acq: 14 Jan 2021 01:52

Tgt Ion:	63	Resp:	5691
Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.7	4.1#



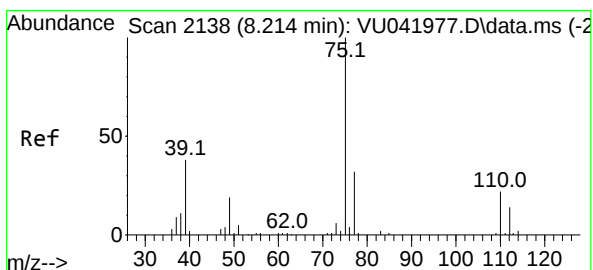
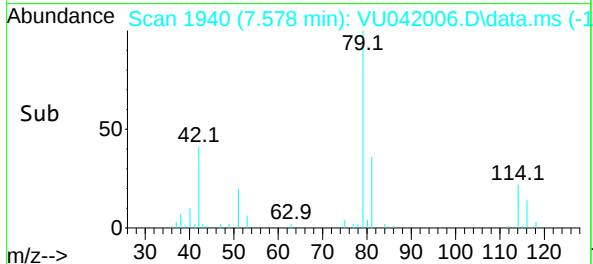
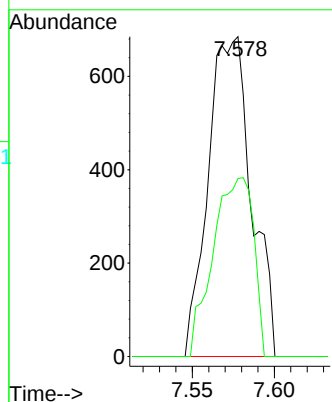
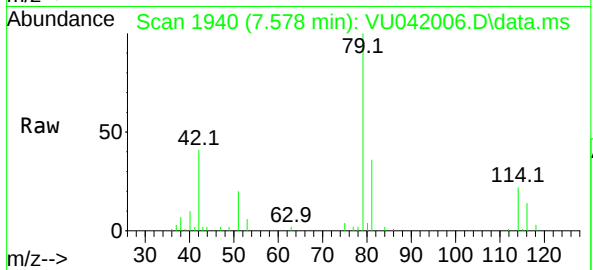


#39

cis-1,3-Dichloropropene
Concen: 0.09 ug/L
RT: 7.578 min Scan# 1940
Delta R.T. -0.035 min
Lab File: VU042006.D
Acq: 14 Jan 2021 01:52

Instrument :
MSVOA_U
ClientSampled :

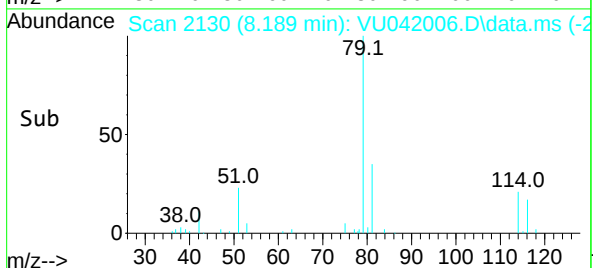
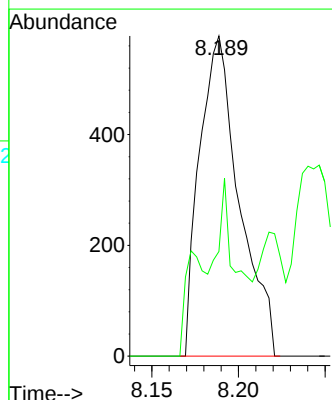
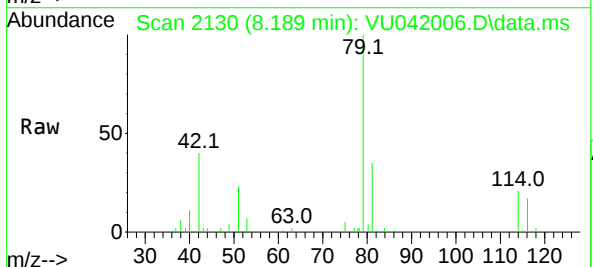
Tgt Ion: 75 Resp: 1252
Ion Ratio Lower Upper
75 100
77 55.6 21.9 40.7#

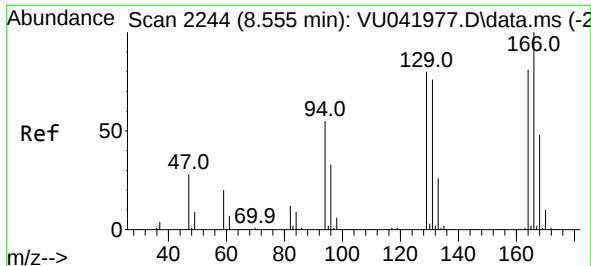


#44

trans-1,3-Dichloropropene
Concen: 0.07 ug/L
RT: 8.189 min Scan# 2130
Delta R.T. -0.029 min
Lab File: VU042006.D
Acq: 14 Jan 2021 01:52

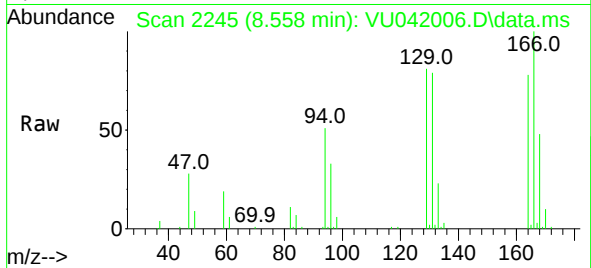
Tgt Ion: 75 Resp: 920
Ion Ratio Lower Upper
75 100
77 32.7 22.0 41.0



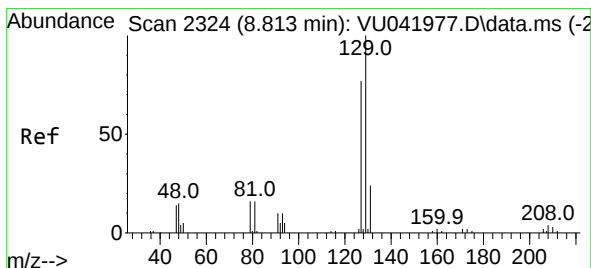
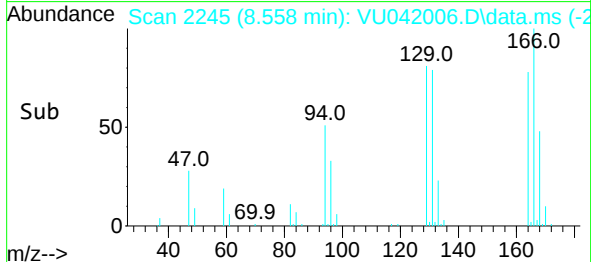
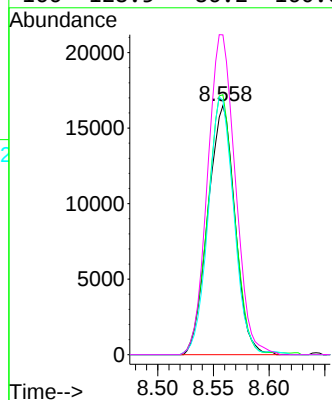


#47
Tetrachloroethene
Concen: 4.58 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU042006.D
Acq: 14 Jan 2021 01:52

Instrument :
MSVOA_U
ClientSampled :

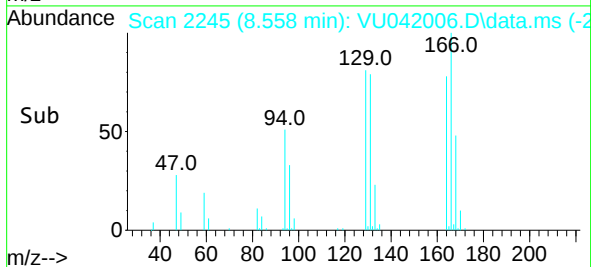
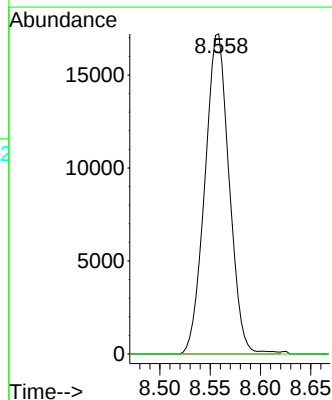
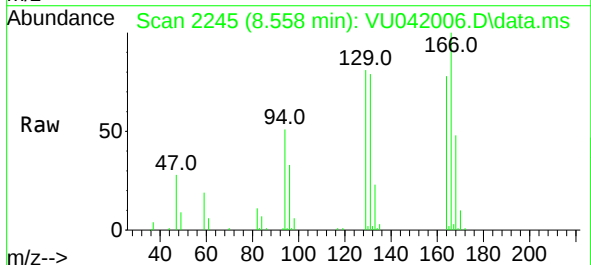


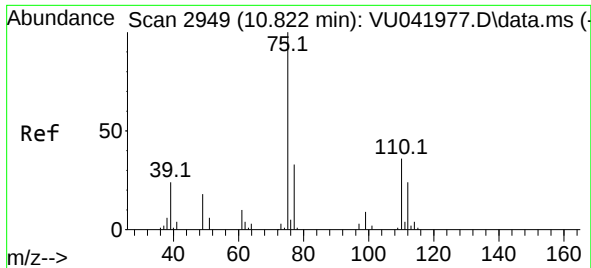
Tgt Ion:164 Resp: 27817
Ion Ratio Lower Upper
164 100
129 104.4 68.7 127.5
131 102.0 65.2 121.0
166 128.5 86.2 160.0



#49
Dibromochloromethane
Concen: 3.85 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.254 min
Lab File: VU042006.D
Acq: 14 Jan 2021 01:52

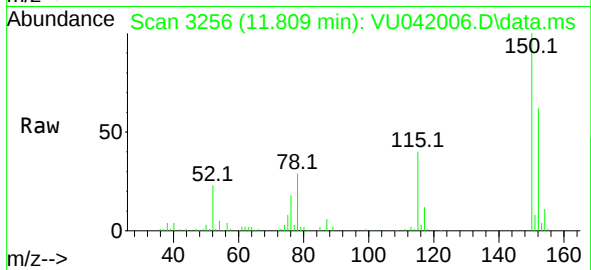
Tgt Ion:129 Resp: 28938
Ion Ratio Lower Upper
129 100
127 0.0 53.7 99.7#





#59
1,2,3-Trichloropropane
Concen: 0.86 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.987 min
Lab File: VU042006.D
Acq: 14 Jan 2021 01:52

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 5501
Ion Ratio Lower Upper
75 100
77 32.3 25.6 38.4

