

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011321\
 Data File : VU042011.D
 Acq On : 14 Jan 2021 03:52
 Operator : SY/MD
 Sample : M1065-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 02:51:02 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	121734	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	100173	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	41228	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	38808	4.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.40%
7) Chloroethane-d5	1.919	69	40725	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.575	63	59521	3.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.40%
20) 2-Butanone-d5	4.655	46	183455	59.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.02%
24) Chloroform-d	5.079	84	93065	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.716	65	55219	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.739	84	179047	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.60%
36) 1,2-Dichloropropane-d6	6.700	67	59451	5.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.00%
41) Toluene-d8	7.906	98	123453	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
43) trans-1,3-Dichloroprop...	8.185	79	19941	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.639	63	128300	58.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.26%
57) 1,1,2,2-Tetrachloroeth...	10.755	84	44429	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.80%
64) 1,2-Dichlorobenzene-d4	12.189	152	43942	5.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.20%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	1133	0.10	ug/L #	88
3) Chloromethane	1.520	50	4635	0.33	ug/L	98
9) Trichlorofluoromethane	2.144	101	8672	0.48	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	913	0.09	ug/L #	56
12) 1,1-Dichloroethene	2.584	96	1040	0.11	ug/L #	1
13) Acetone	2.665	43	3458	1.79	ug/L	55
17) Methyl tert-butyl Ether	3.382	73	11671	0.47	ug/L	98
18) trans-1,2-Dichloroethene	3.369	96	888	0.09	ug/L	81
19) 1,1-Dichloroethane	3.883	63	1309	0.07	ug/L #	82
22) cis-1,2-Dichloroethene	4.681	96	31335	3.10	ug/L	88
25) Chloroform	5.102	83	3477	0.18	ug/L	92
33) Benzene	5.787	78	973	0.03	ug/L	100
34) Trichloroethene	6.552	95	246725	26.62	ug/L	97
35) Methylcyclohexane	6.703	83	14221	0.97	ug/L #	16
37) 1,2-Dichloropropane	6.703	63	6346	0.66	ug/L #	90
39) cis-1,3-Dichloropropene	7.571	75	1356	0.09	ug/L	98
44) trans-1,3-Dichloropropene	8.185	75	818	0.07	ug/L #	57
47) Tetrachloroethene	8.555	164	31120	5.18	ug/L	95
48) 2-Hexanone	8.639	43	14679	3.27	ug/L #	69

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 15 02:46:12 2021
Response via : Initial Calibration

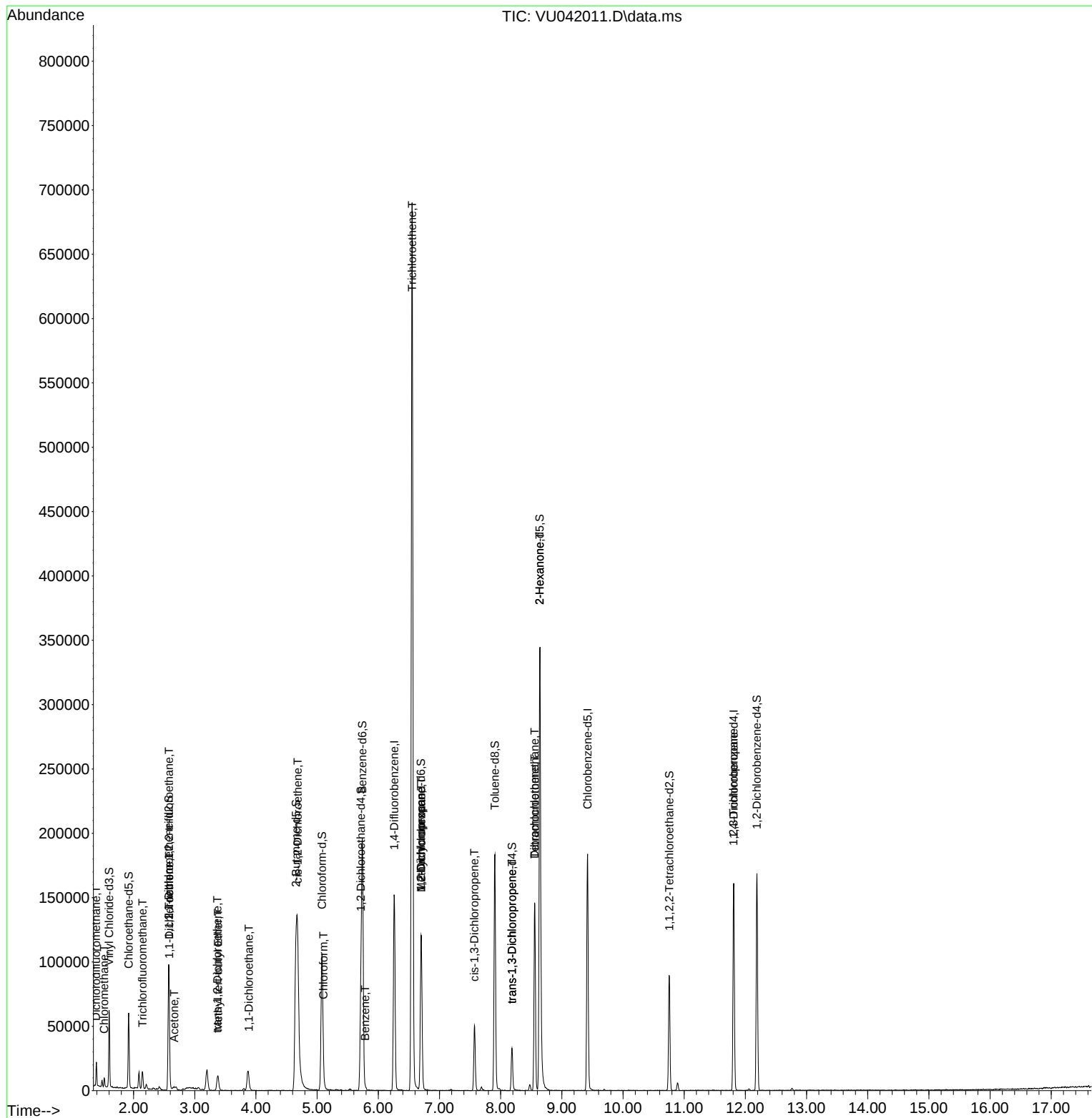
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.555	129	32009	4.32	ug/L #	11
59) 1,2,3-Trichloropropane	11.806	75	5023	0.79	ug/L	95

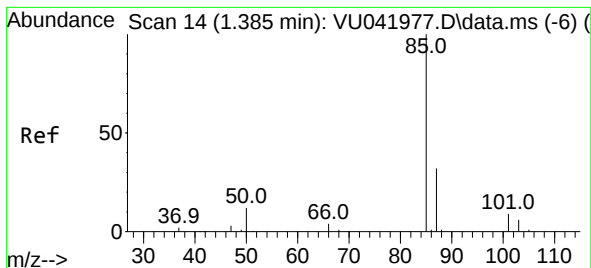
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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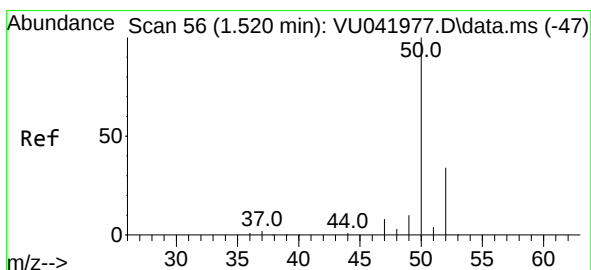
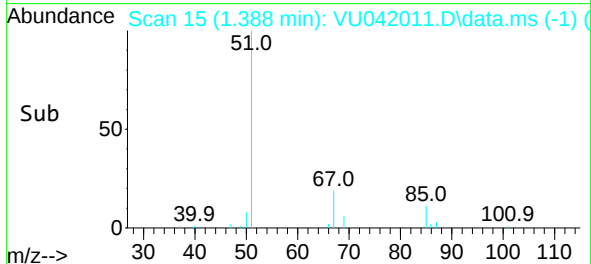
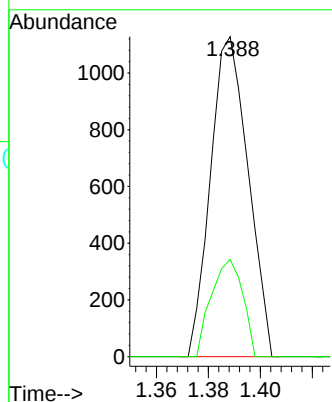
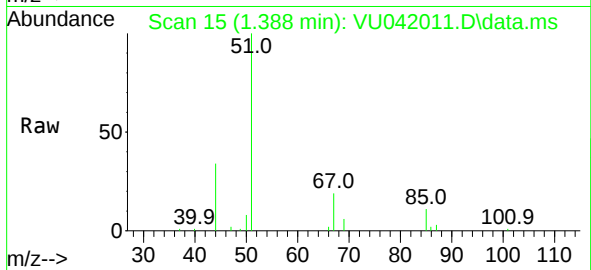




#2
Dichlorodifluoromethane
Concen: 0.10 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.003 min
Lab File: VU042011.D
Acq: 14 Jan 2021 03:52

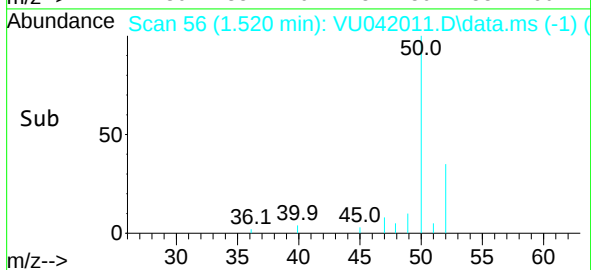
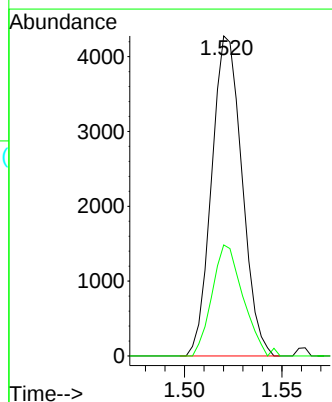
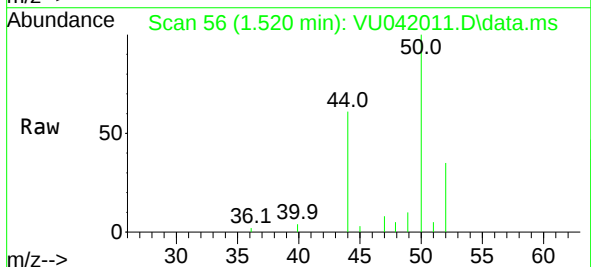
Instrument :
MSVOA_U
ClientSampleId :

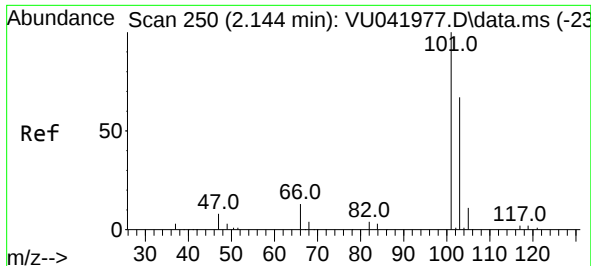
Tgt Ion: 85 Resp: 1133
Ion Ratio Lower Upper
85 100
87 25.3 25.7 38.5#



#3
Chloromethane
Concen: 0.33 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU042011.D
Acq: 14 Jan 2021 03:52

Tgt Ion: 50 Resp: 4635
Ion Ratio Lower Upper
50 100
52 34.7 23.5 43.7

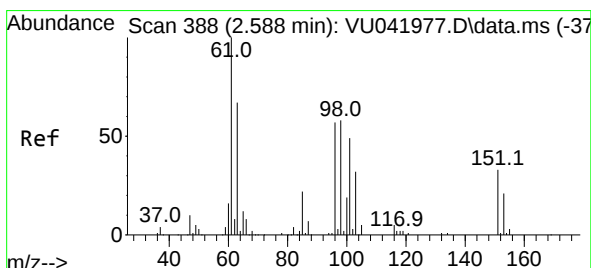
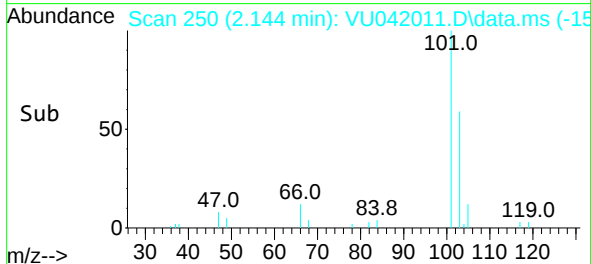
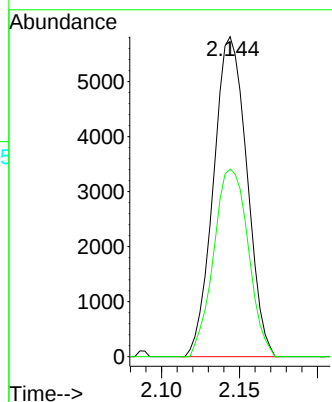
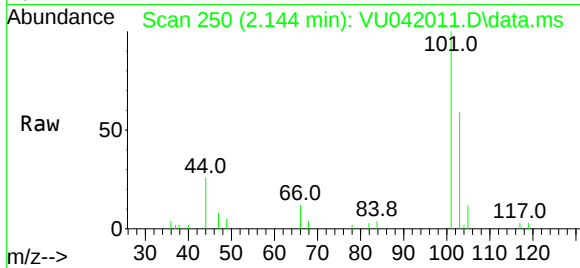




#9
 Trichlorofluoromethane
 Concen: 0.48 ug/L
 RT: 2.144 min Scan# 250
 Delta R.T. -0.000 min
 Lab File: VU042011.D
 Acq: 14 Jan 2021 03:52

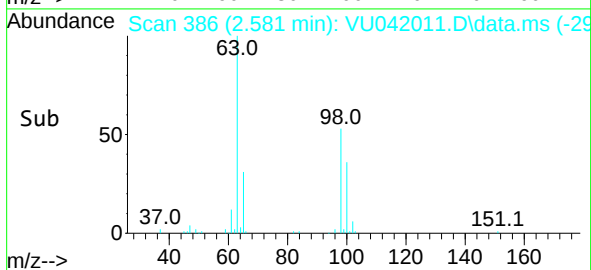
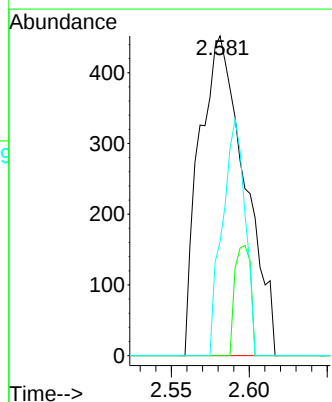
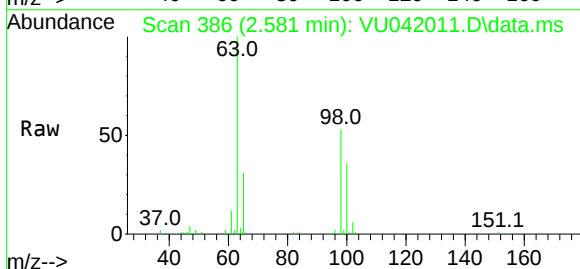
Instrument :
 MSVOA_U
 ClientSampleId :

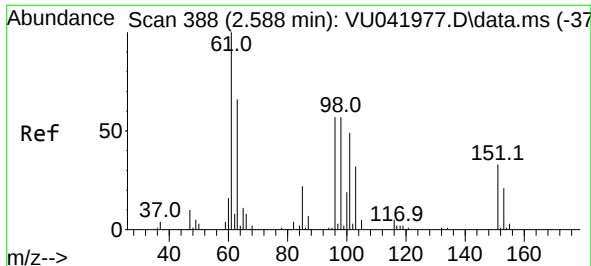
Tgt Ion:101 Resp: 8672
 Ion Ratio Lower Upper
 101 100
 103 60.7 51.6 77.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.09 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.006 min
 Lab File: VU042011.D
 Acq: 14 Jan 2021 03:52

Tgt Ion:101 Resp: 913
 Ion Ratio Lower Upper
 101 100
 85 11.9 35.9 53.9#
 151 36.9 55.4 83.2#





#12

1,1-Dichloroethene

Concen: 0.11 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.003 min

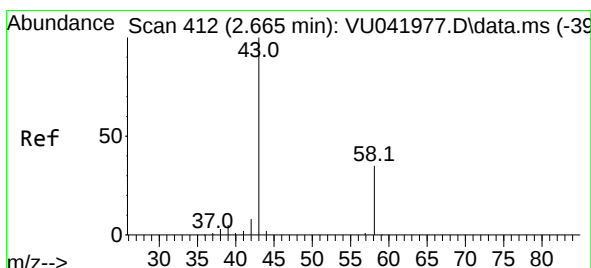
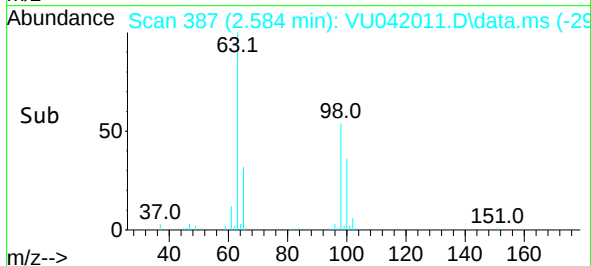
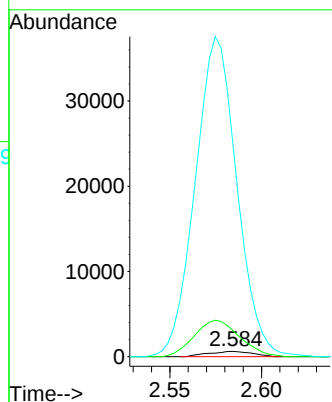
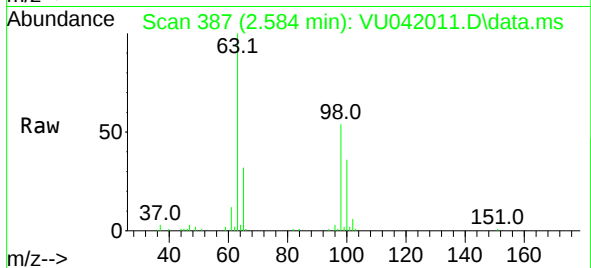
Lab File: VU042011.D

Acq: 14 Jan 2021 03:52

Tgt Ion: 96 Resp: 1040

Ion	Ratio	Lower	Upper
96	100		
61	488.9	122.2	226.9#
63	3991.0	82.8	153.8#

Instrument :
MSVOA_U
ClientSampleId :



#13

Acetone

Concen: 1.79 ug/L

RT: 2.665 min Scan# 412

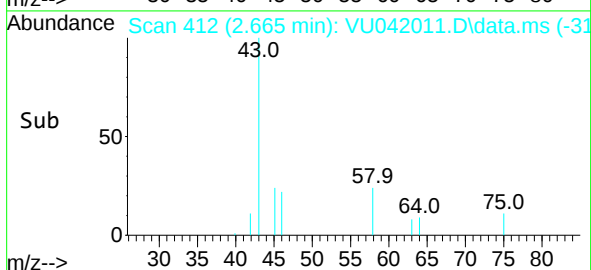
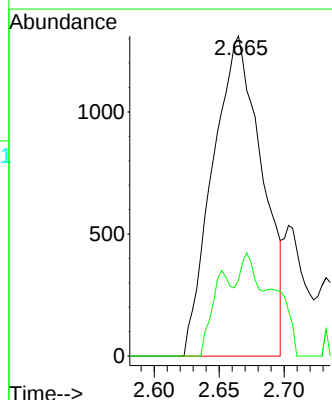
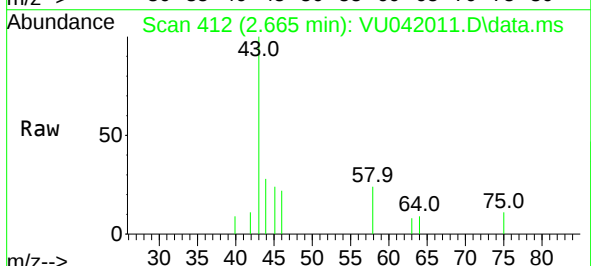
Delta R.T. -0.000 min

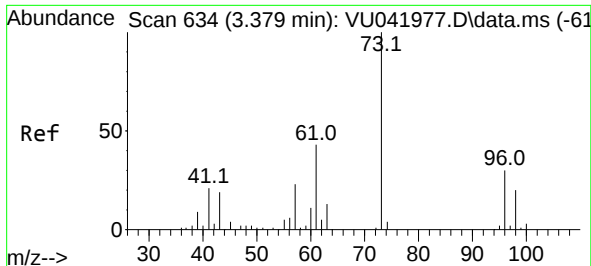
Lab File: VU042011.D

Acq: 14 Jan 2021 03:52

Tgt Ion: 43 Resp: 3458

Ion	Ratio	Lower	Upper
43	100		
58	5.0	0.0	57.4

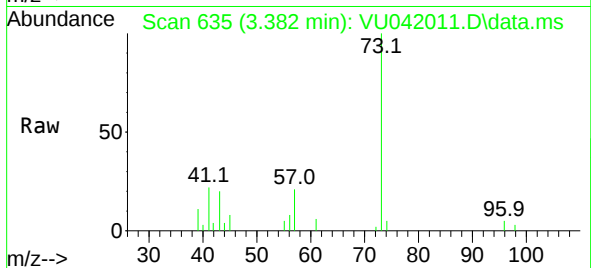




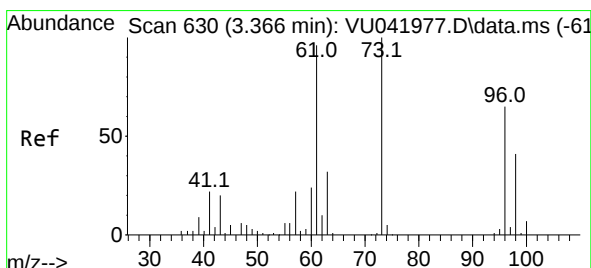
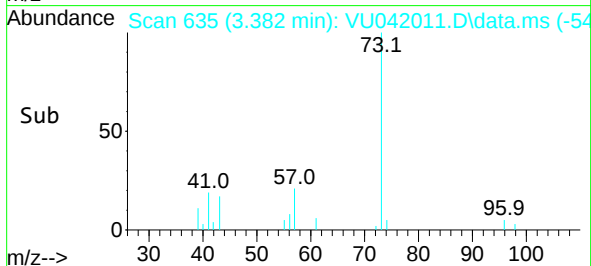
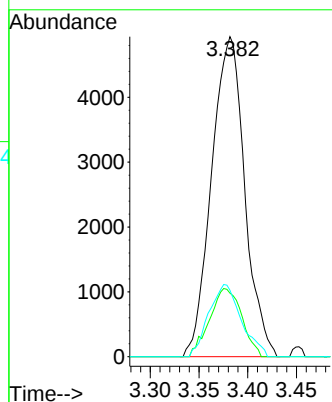
#17

Methyl tert-butyl Ether
Concen: 0.47 ug/L
RT: 3.382 min Scan# 635
Delta R.T. 0.003 min
Lab File: VU042011.D
Acq: 14 Jan 2021 03:52

Instrument :
MSVOA_U
ClientSampleId :



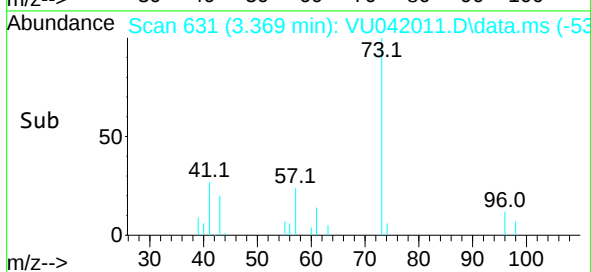
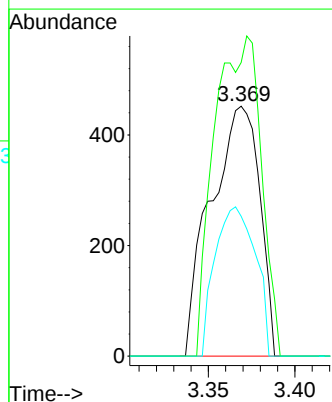
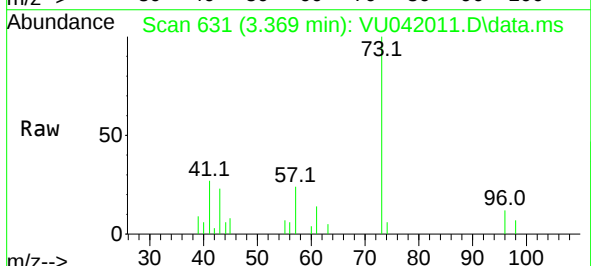
Tgt Ion: 73	Resp: 11671
Ion Ratio	Lower Upper
73	100
43	20.6 15.1 22.7
57	22.1 18.0 27.0

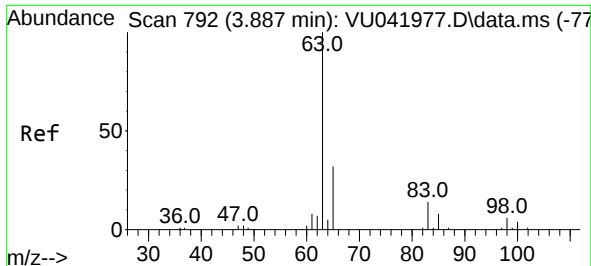


#18

trans-1,2-Dichloroethene
Concen: 0.09 ug/L
RT: 3.369 min Scan# 631
Delta R.T. 0.003 min
Lab File: VU042011.D
Acq: 14 Jan 2021 03:52

Tgt Ion: 96	Resp: 888
Ion Ratio	Lower Upper
96	100
61	117.5 103.2 191.6
98	56.0 43.8 81.3



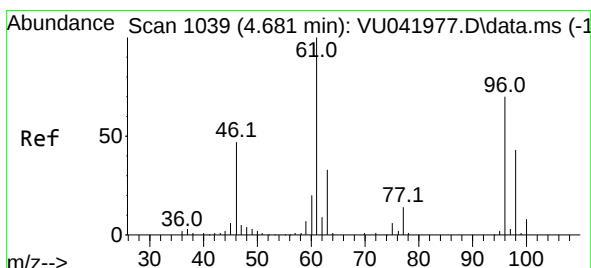
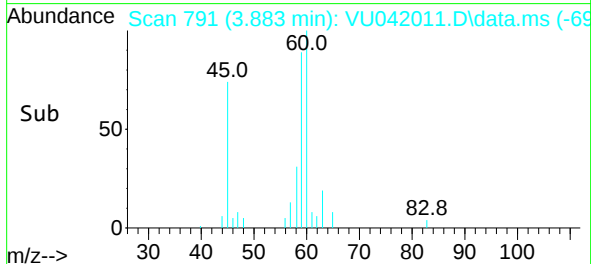
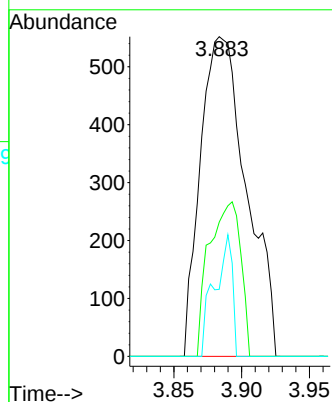
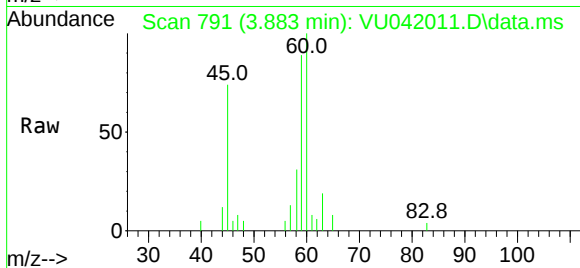


#19

1,1-Dichloroethane
Concen: 0.07 ug/L
RT: 3.883 min Scan# 791
Delta R.T. -0.003 min
Lab File: VU042011.D
Acq: 14 Jan 2021 03:52

Instrument :
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ClientSampleId :

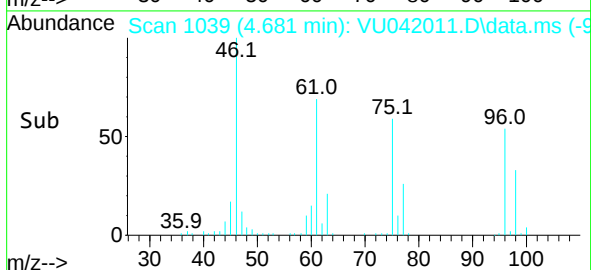
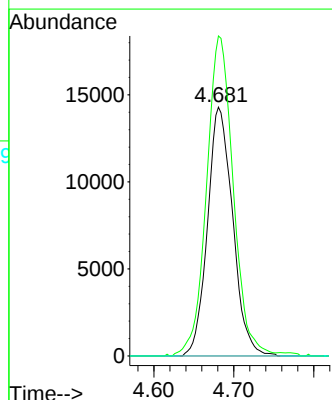
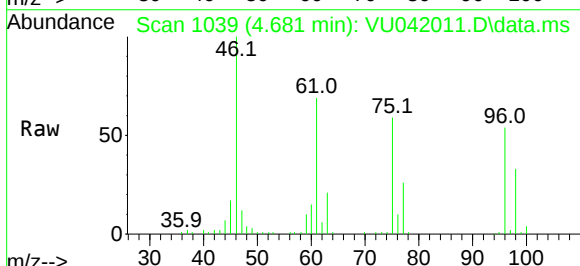
Tgt Ion: 63 Resp: 1309
Ion Ratio Lower Upper
63 100
65 42.0 22.7 42.1
83 21.0 9.4 17.6#

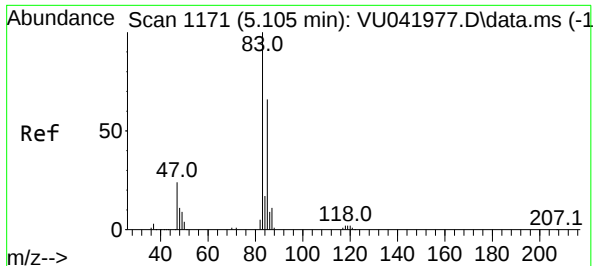


#22

cis-1,2-Dichloroethene
Concen: 3.10 ug/L
RT: 4.681 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VU042011.D
Acq: 14 Jan 2021 03:52

Tgt Ion: 96 Resp: 31335
Ion Ratio Lower Upper
96 100
61 128.6 100.3 186.3
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.18 ug/L

RT: 5.102 min Scan# 1170

Delta R.T. -0.003 min

Lab File: VU042011.D

Acq: 14 Jan 2021 03:52

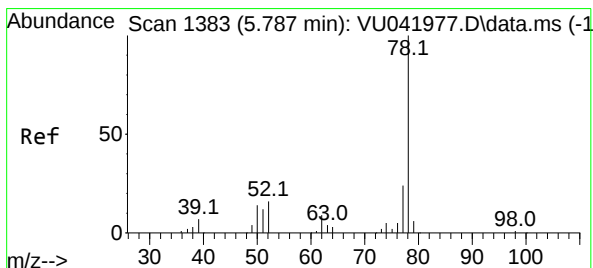
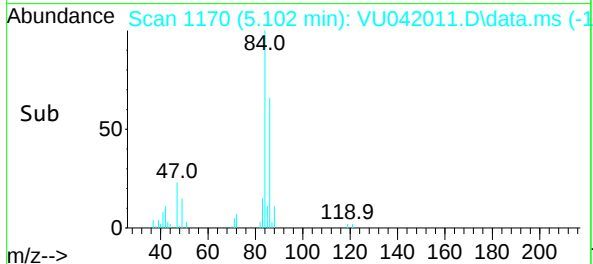
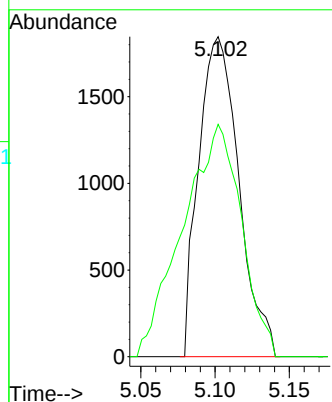
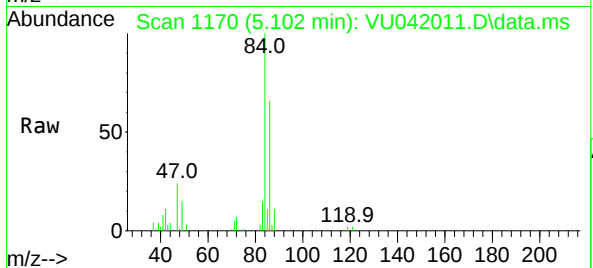
Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 83 Resp: 3477

Ion Ratio Lower Upper

83 100

85 72.6 46.1 85.7



#33

Benzene

Concen: 0.03 ug/L

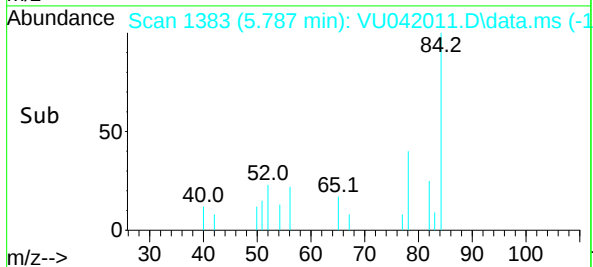
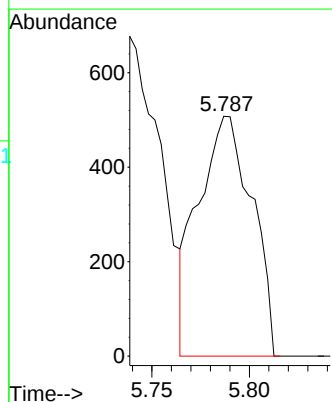
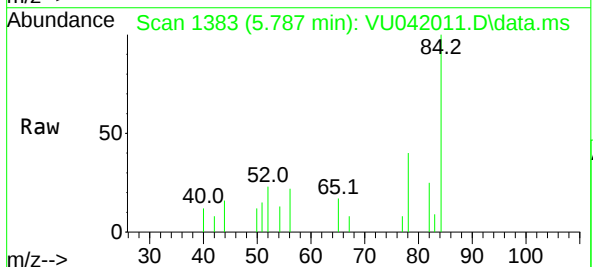
RT: 5.787 min Scan# 1383

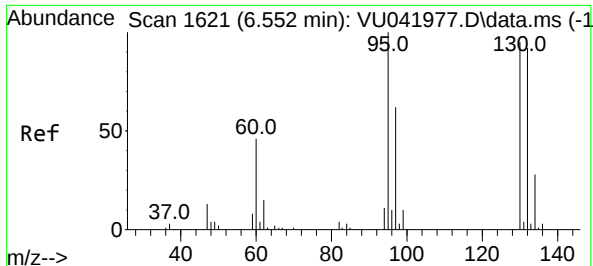
Delta R.T. -0.000 min

Lab File: VU042011.D

Acq: 14 Jan 2021 03:52

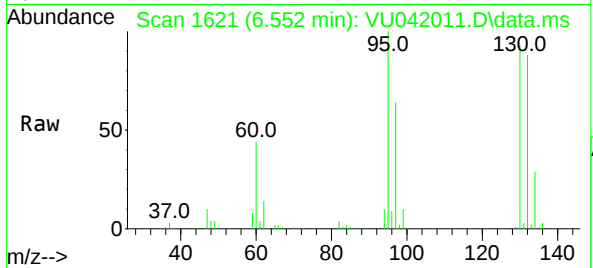
Tgt Ion: 78 Resp: 973





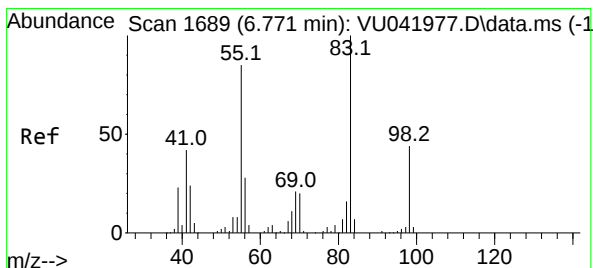
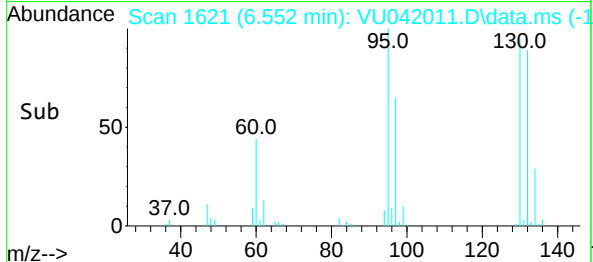
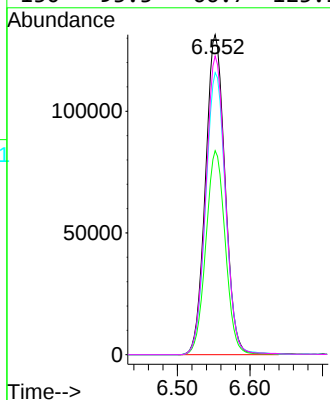
#34
Trichloroethene
Concen: 26.62 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VU042011.D
Acq: 14 Jan 2021 03:52

Instrument :
MSVOA_U
ClientSampleId :

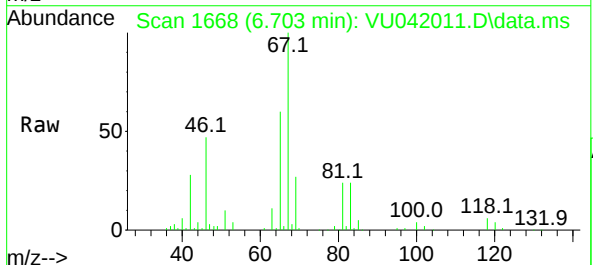


Tgt Ion: 95 Resp: 246725

Ion	Ratio	Lower	Upper
95	100		
97	63.7	43.6	81.0
132	88.2	64.3	119.3
130	93.3	66.7	123.9

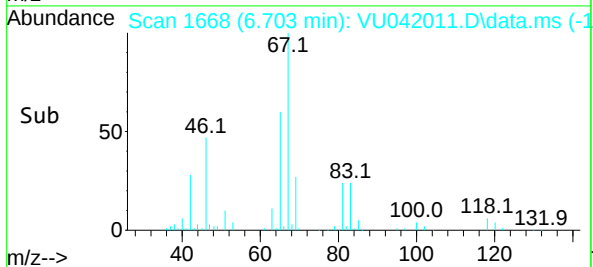
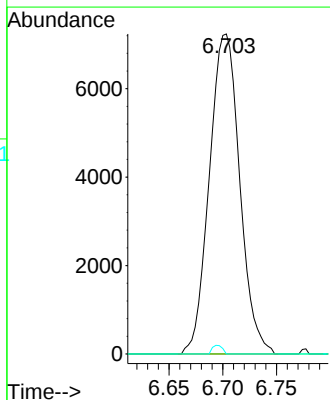


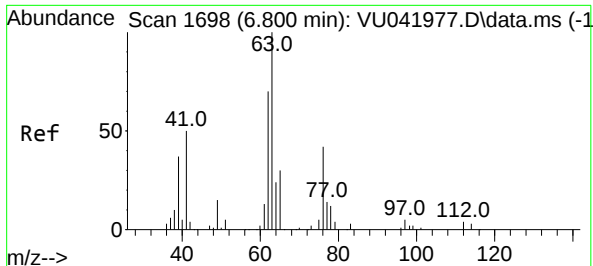
#35
Methylcyclohexane
Concen: 0.97 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.068 min
Lab File: VU042011.D
Acq: 14 Jan 2021 03:52



Tgt Ion: 83 Resp: 14221

Ion	Ratio	Lower	Upper
83	100		
55	0.0	66.8	100.2#
98	0.0	35.7	53.5#



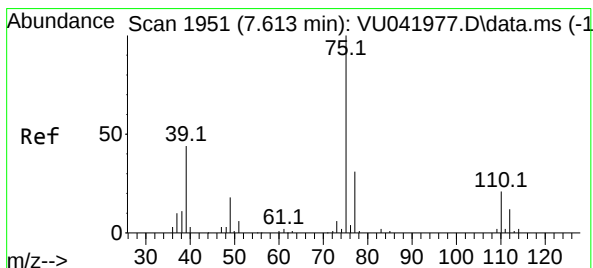
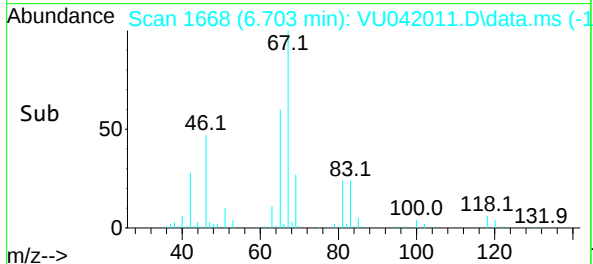
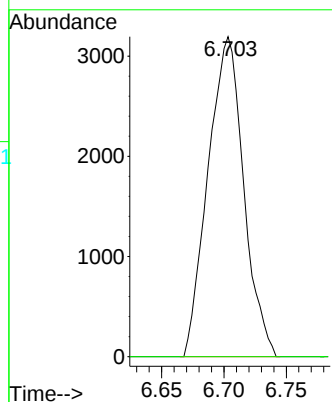
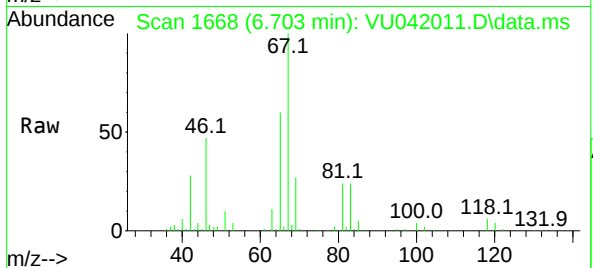


#37

1,2-Dichloropropane
Concen: 0.66 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.097 min
Lab File: VU042011.D
Acq: 14 Jan 2021 03:52

Instrument :
MSVOA_U
ClientSampleId :

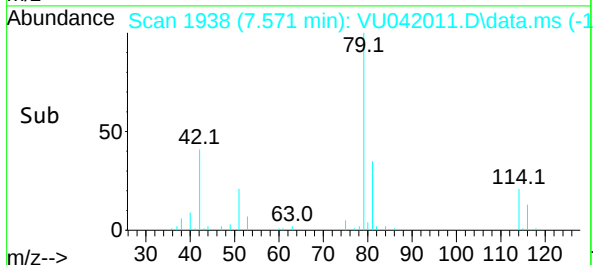
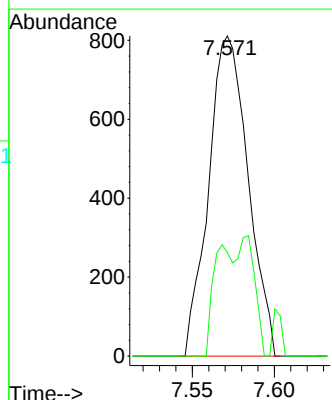
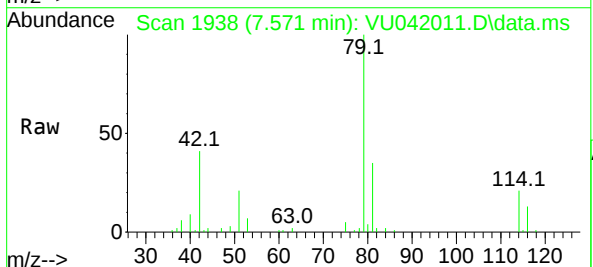
Tgt Ion: 63 Resp: 6346
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#

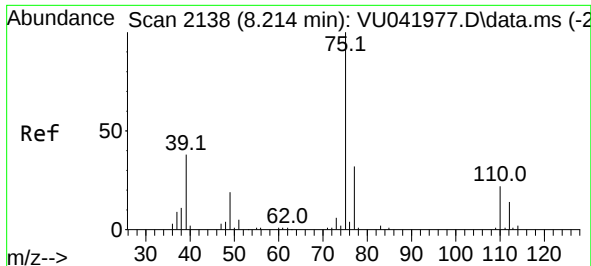


#39

cis-1,3-Dichloropropene
Concen: 0.09 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU042011.D
Acq: 14 Jan 2021 03:52

Tgt Ion: 75 Resp: 1356
Ion Ratio Lower Upper
75 100
77 32.3 21.9 40.7

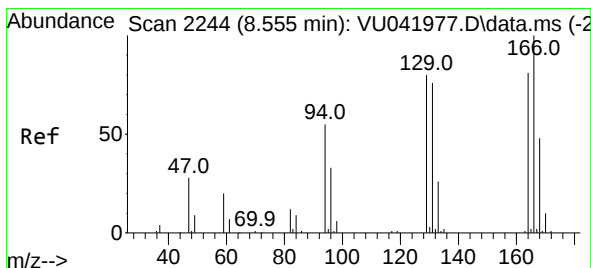
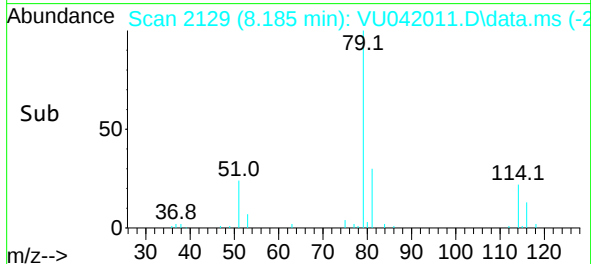
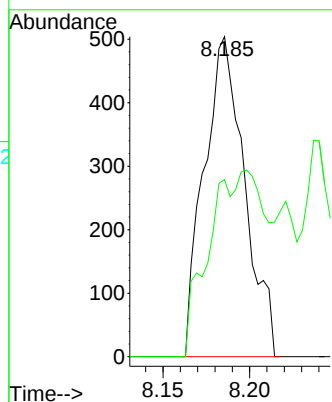
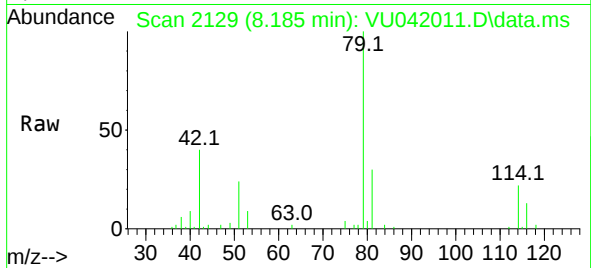




#44
trans-1,3-Dichloropropene
Concen: 0.07 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU042011.D
Acq: 14 Jan 2021 03:52

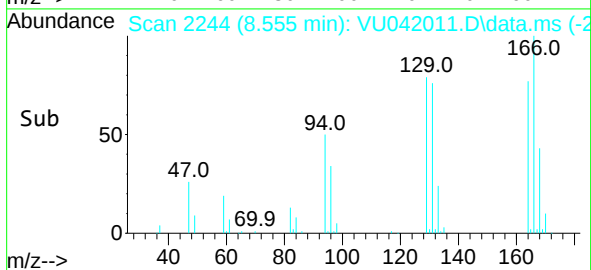
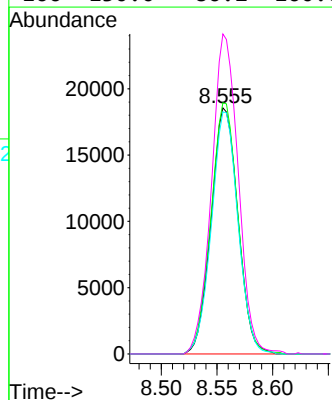
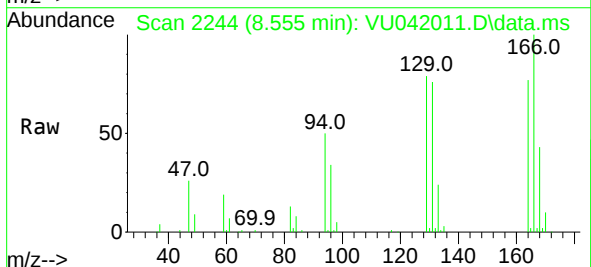
Instrument :
MSVOA_U
ClientSampleId :

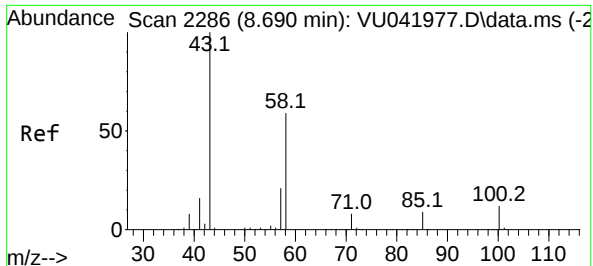
Tgt Ion: 75 Resp: 818
Ion Ratio Lower Upper
75 100
77 55.4 22.0 41.0#



#47
Tetrachloroethene
Concen: 5.18 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU042011.D
Acq: 14 Jan 2021 03:52

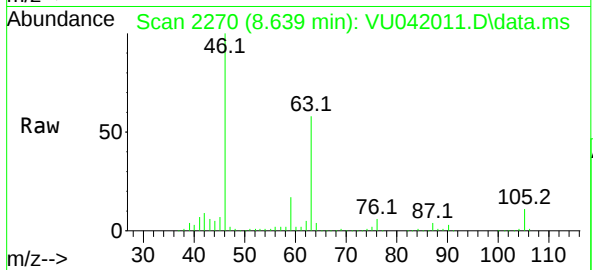
Tgt Ion:164 Resp: 31120
Ion Ratio Lower Upper
164 100
129 102.1 68.7 127.5
131 98.4 65.2 121.0
166 130.0 86.2 160.0



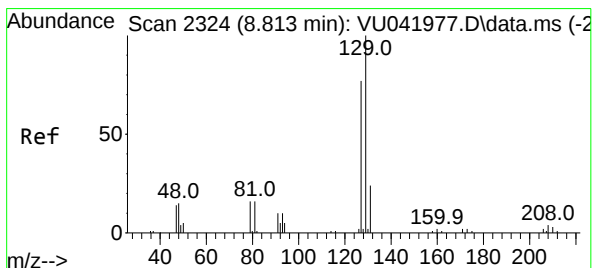
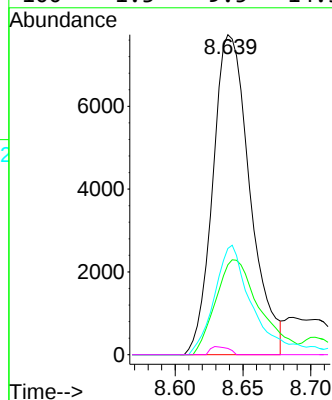
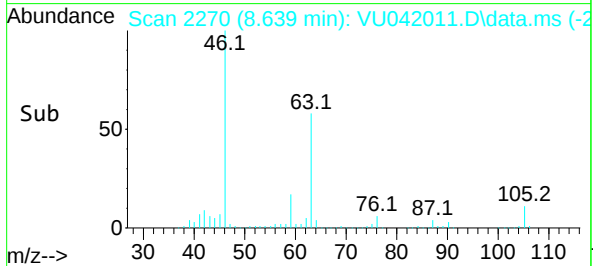


#48
2-Hexanone
Concen: 3.27 ug/L
RT: 8.639 min Scan# 2270
Delta R.T. -0.052 min
Lab File: VU042011.D
Acq: 14 Jan 2021 03:52

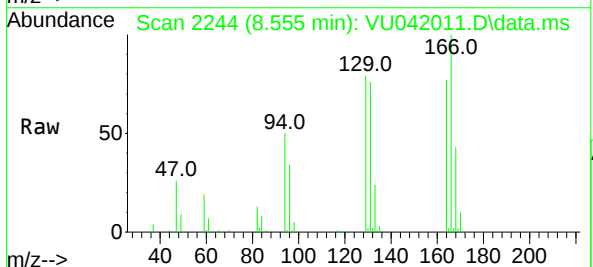
Instrument :
MSVOA_U
ClientSampleId :



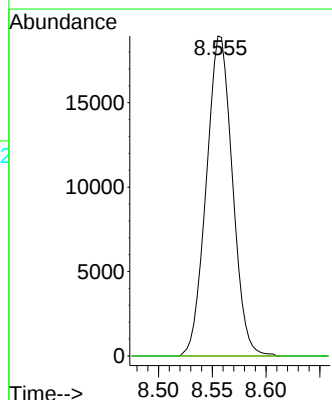
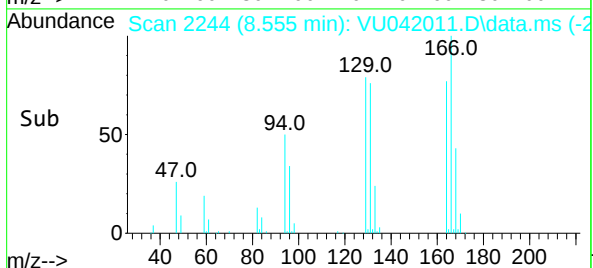
Tgt Ion: 43	Resp: 14679
Ion Ratio	Lower Upper
43	100
58	35.5 47.8 71.8#
57	35.8 17.4 26.0#
100	1.3 9.5 14.3#

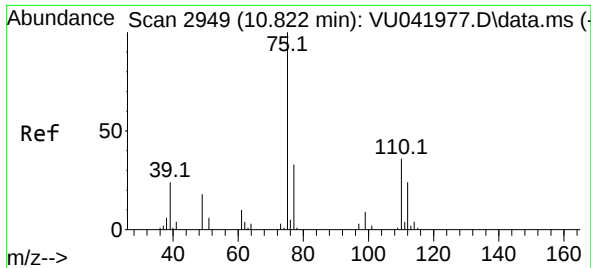


#49
Dibromochloromethane
Concen: 4.32 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU042011.D
Acq: 14 Jan 2021 03:52



Tgt Ion: 129	Resp: 32009
Ion Ratio	Lower Upper
129	100
127	0.0 53.7 99.7#





#59
 1,2,3-Trichloropropane
 Concen: 0.79 ug/L
 RT: 11.806 min Scan# 3255
 Delta R.T. 0.984 min
 Lab File: VU042011.D
 Acq: 14 Jan 2021 03:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 75 Resp: 5023
 Ion Ratio Lower Upper
 75 100
 77 34.9 25.6 38.4

