

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011321\
 Data File : VU042004.D
 Acq On : 14 Jan 2021 01:04
 Operator : SY/MD
 Sample : M1065-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 02:48:52 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	6.263	114	116907	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	103428	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	42934	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.601	65	40942	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.919	69	42558	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.575	63	64078	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.20%
20) 2-Butanone-d5	4.655	46	154645	52.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.48%
24) Chloroform-d	5.079	84	88504	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.716	65	49709	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.742	84	164152	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.700	67	56524	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.906	98	135005	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloroprop...	8.185	79	21306	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.642	63	123956	54.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.72%
57) 1,1,2,2-Tetrachloroeth...	10.755	84	42383	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	12.189	152	41780	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.392	85	499	0.05	ug/L #	61
3) Chloromethane	1.520	50	613	0.05	ug/L	83
9) Trichlorofluoromethane	2.144	101	11694	0.67	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	1115	0.12	ug/L #	50
12) 1,1-Dichloroethene	2.588	96	976	0.11	ug/L #	1
13) Acetone	2.671	43	2052	1.11	ug/L	85
14) Carbon disulfide	2.800	76	1666	0.06	ug/L #	75
17) Methyl tert-butyl Ether	3.379	73	9322	0.39	ug/L	98
19) 1,1-Dichloroethane	3.890	63	1610	0.09	ug/L	87
22) cis-1,2-Dichloroethene	4.684	96	12574	1.29	ug/L	98
25) Chloroform	5.105	83	4600	0.25	ug/L	92
31) Carbon tetrachloride	5.533	117	2409	0.18	ug/L	84
34) Trichloroethene	6.552	95	364739	38.12	ug/L	98
35) Methylcyclohexane	6.700	83	12887	0.85	ug/L #	16
37) 1,2-Dichloropropane	6.703	63	6014	0.60	ug/L #	90
39) cis-1,3-Dichloropropene	7.571	75	1295	0.09	ug/L #	66
44) trans-1,3-Dichloropropene	8.185	75	866	0.07	ug/L #	63
45) 1,1,2-Trichloroethane	8.552	97	379	0.05	ug/L #	7
47) Tetrachloroethene	8.558	164	44325	7.15	ug/L	95

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

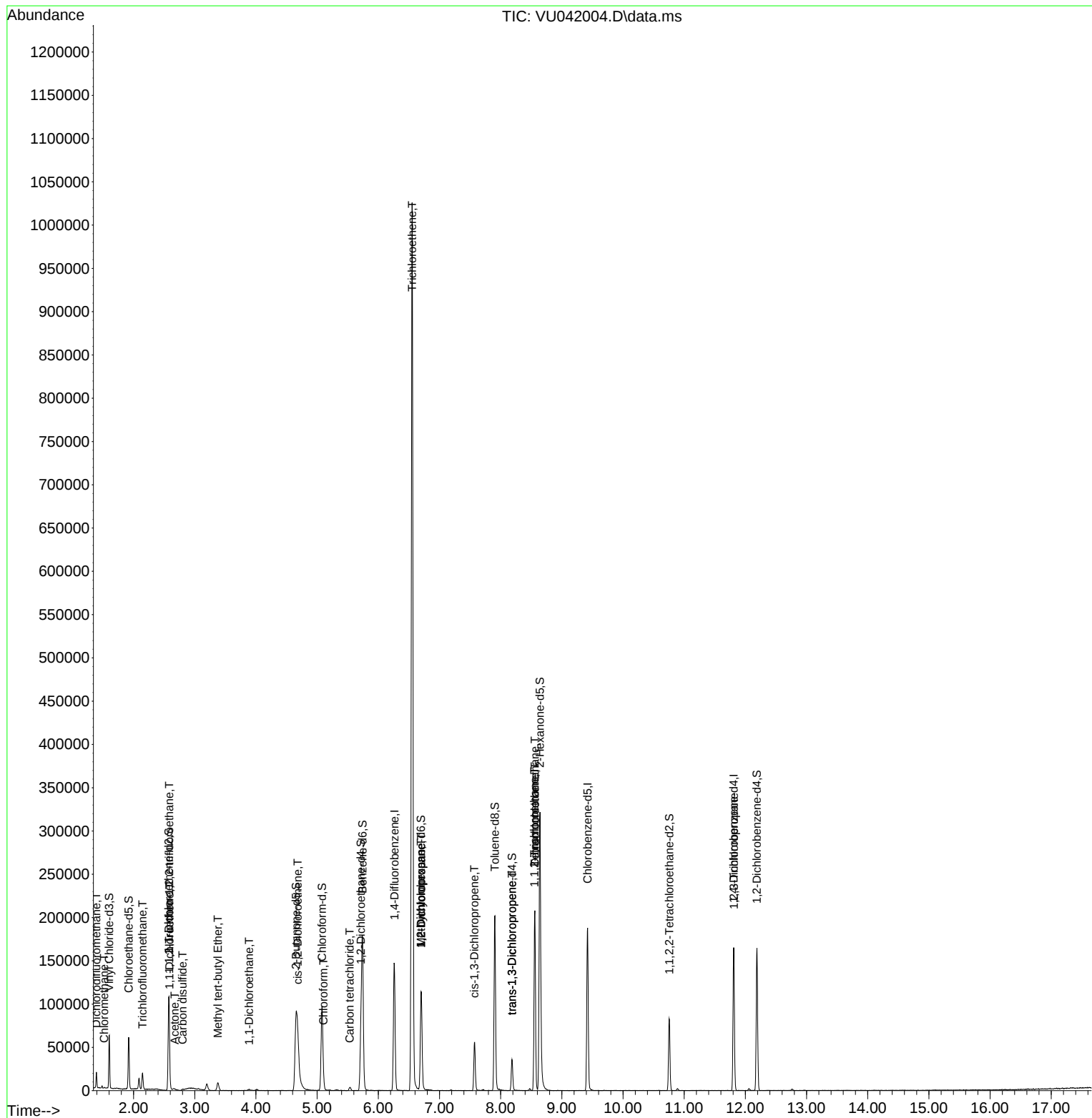
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.558	129	46094	6.02	ug/L #	11
59) 1,2,3-Trichloropropane	11.812	75	5331	0.82	ug/L	98

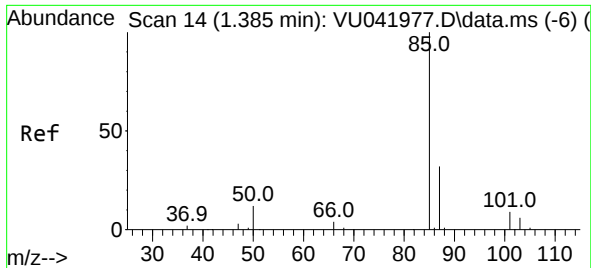
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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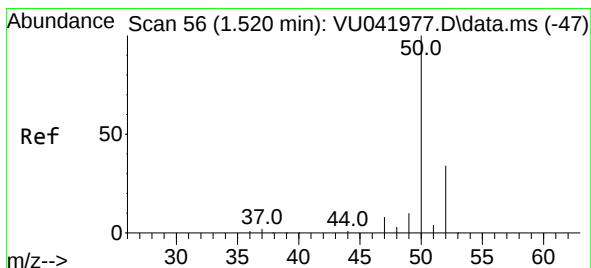
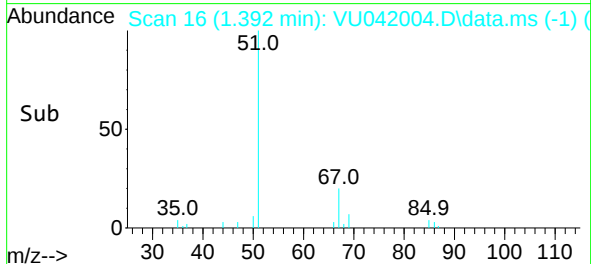
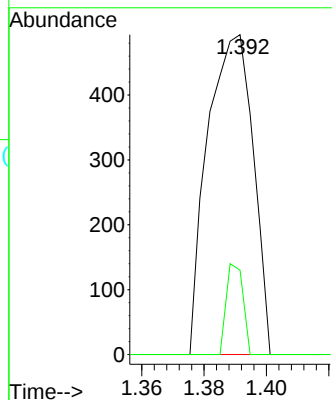
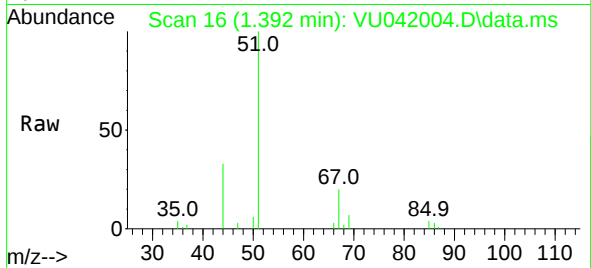




#2
Dichlorodifluoromethane
Concen: 0.05 ug/L
RT: 1.392 min Scan# 16
Delta R.T. 0.006 min
Lab File: VU042004.D
Acq: 14 Jan 2021 01:04

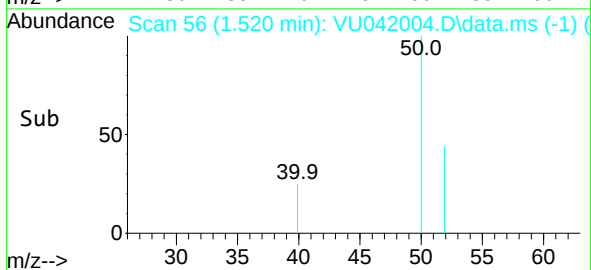
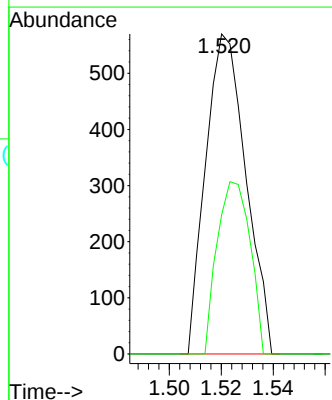
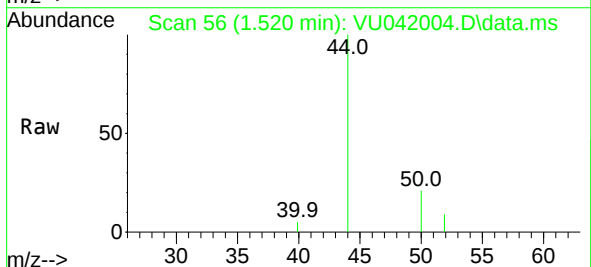
Instrument :
MSVOA_U
ClientSampled :

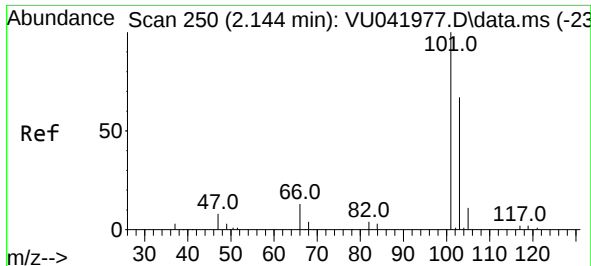
Tgt Ion: 85 Resp: 499
Ion Ratio Lower Upper
85 100
87 10.4 25.7 38.5#



#3
Chloromethane
Concen: 0.05 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU042004.D
Acq: 14 Jan 2021 01:04

Tgt Ion: 50 Resp: 613
Ion Ratio Lower Upper
50 100
52 43.5 23.5 43.7

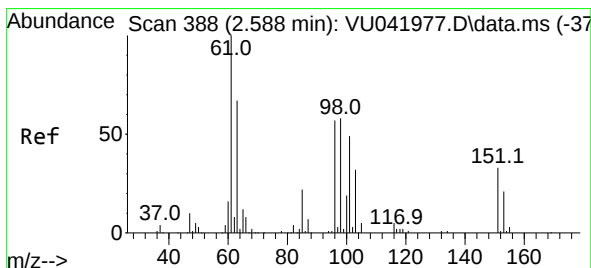
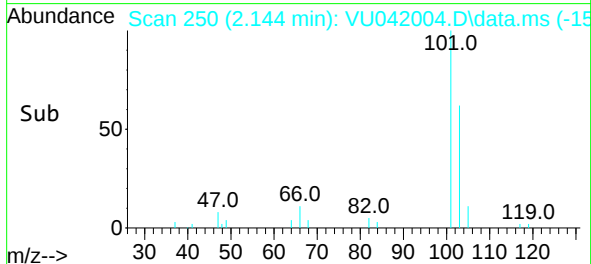
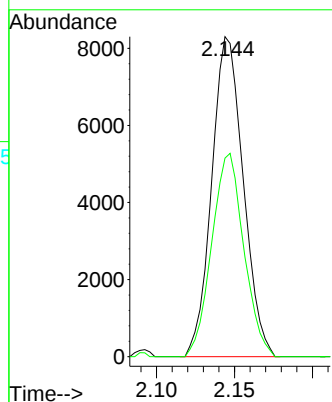
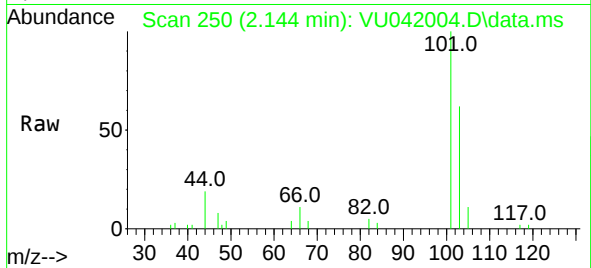




#9
 Trichlorofluoromethane
 Concen: 0.67 ug/L
 RT: 2.144 min Scan# 250
 Delta R.T. -0.000 min
 Lab File: VU042004.D
 Acq: 14 Jan 2021 01:04

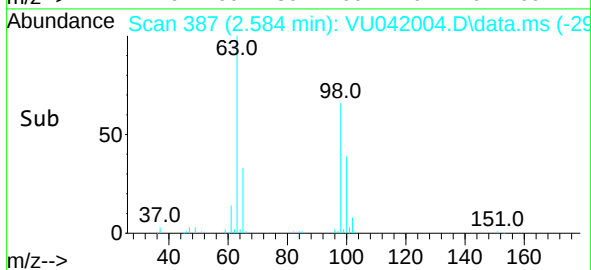
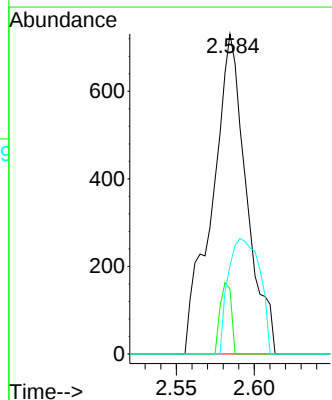
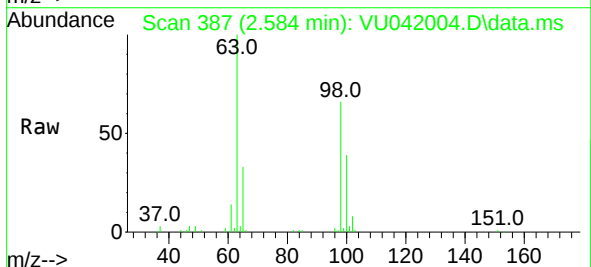
Instrument :
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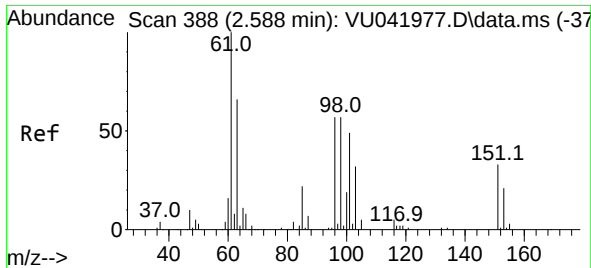
Tgt Ion:101 Resp: 11694
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.6 77.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.12 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.006 min
 Lab File: VU042004.D
 Acq: 14 Jan 2021 01:04

Tgt Ion:101 Resp: 1115
 Ion Ratio Lower Upper
 101 100
 85 7.3 35.9 53.9#
 151 33.1 55.4 83.2#





#12

1,1-Dichloroethene

Concen: 0.11 ug/L

RT: 2.588 min Scan# 388

Delta R.T. -0.000 min

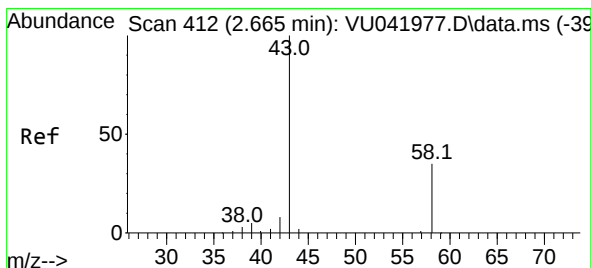
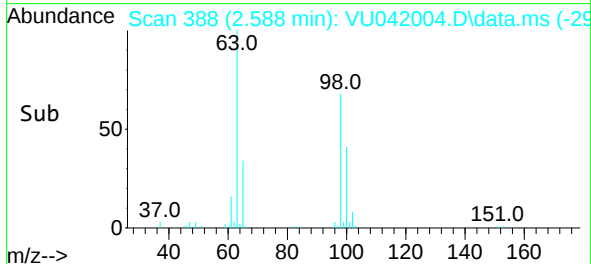
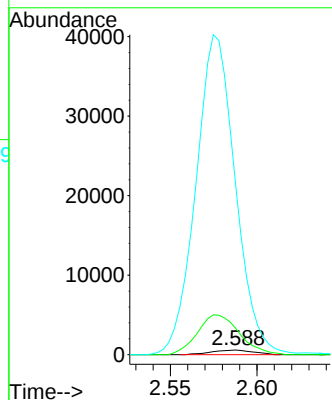
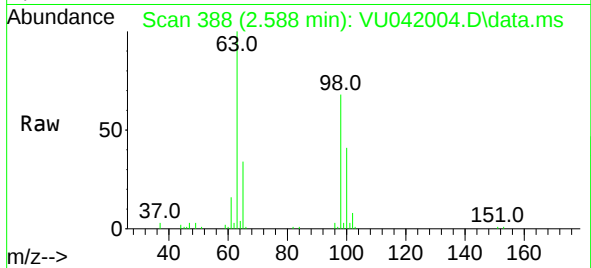
Lab File: VU042004.D

Acq: 14 Jan 2021 01:04

Tgt Ion: 96 Resp: 976

Ion	Ratio	Lower	Upper
96	100		
61	577.0	122.2	226.9#
63	3705.7	82.8	153.8#

Instrument :
MSVOA_U
ClientSampled :



#13

Acetone

Concen: 1.11 ug/L

RT: 2.671 min Scan# 414

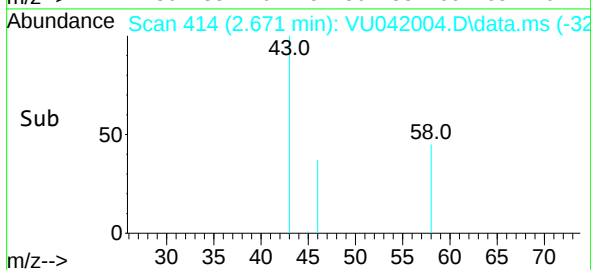
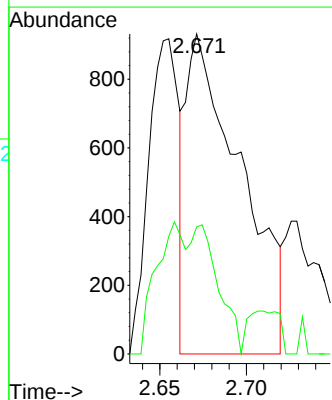
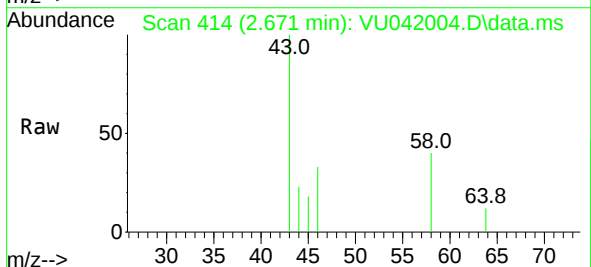
Delta R.T. -0.000 min

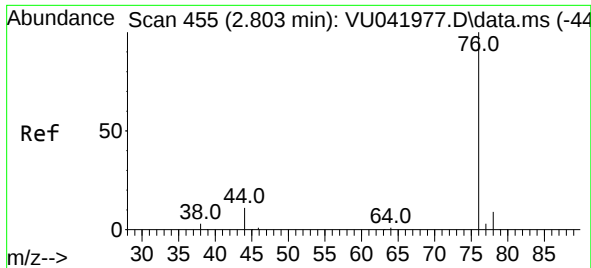
Lab File: VU042004.D

Acq: 14 Jan 2021 01:04

Tgt Ion: 43 Resp: 2052

Ion	Ratio	Lower	Upper
43	100		
58	20.9	0.0	57.4

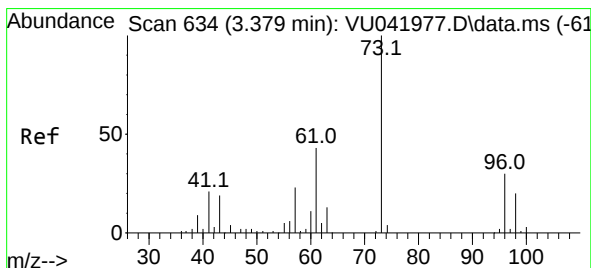
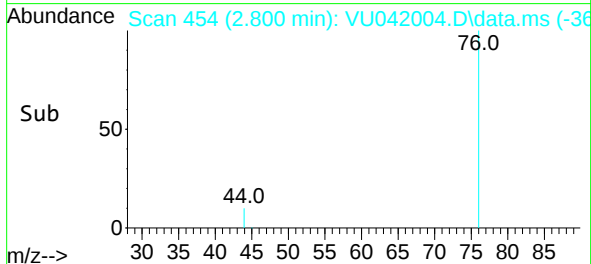
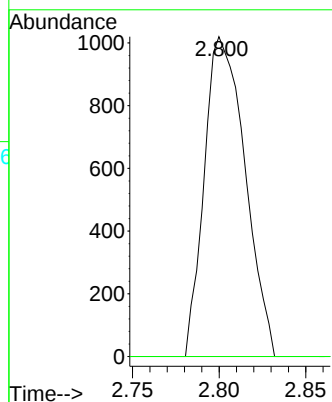
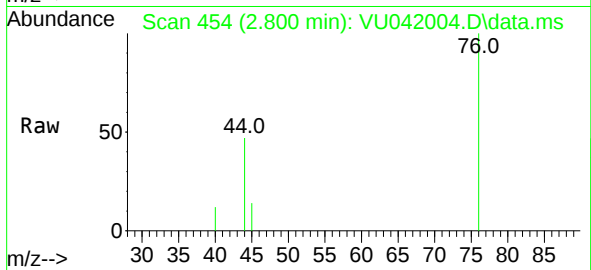




#14
Carbon disulfide
Concen: 0.06 ug/L
RT: 2.800 min Scan# 454
Delta R.T. -0.003 min
Lab File: VU042004.D
Acq: 14 Jan 2021 01:04

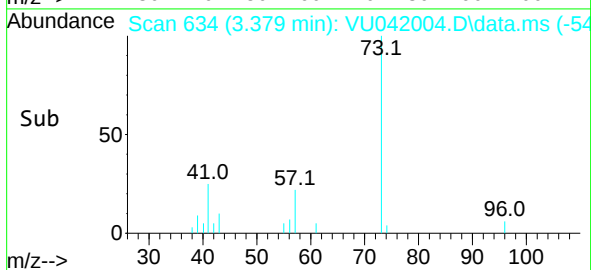
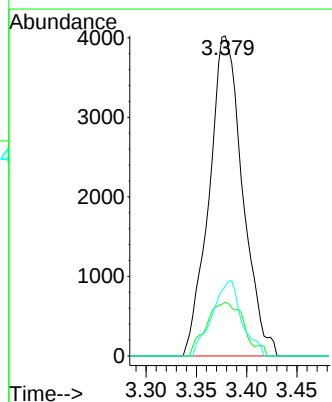
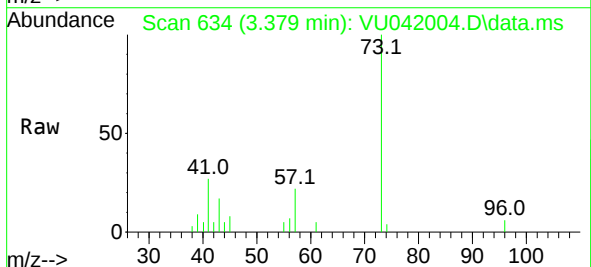
Instrument :
MSVOA_U
ClientSampled :

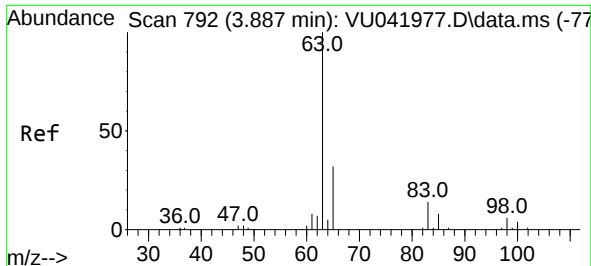
Tgt Ion: 76 Resp: 1666
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#17
Methyl tert-butyl Ether
Concen: 0.39 ug/L
RT: 3.379 min Scan# 634
Delta R.T. -0.000 min
Lab File: VU042004.D
Acq: 14 Jan 2021 01:04

Tgt Ion: 73 Resp: 9322
Ion Ratio Lower Upper
73 100
43 18.8 15.1 22.7
57 20.7 18.0 27.0





#19

1,1-Dichloroethane

Concen: 0.09 ug/L

RT: 3.890 min Scan# 793

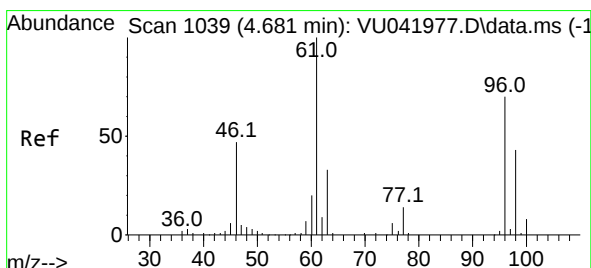
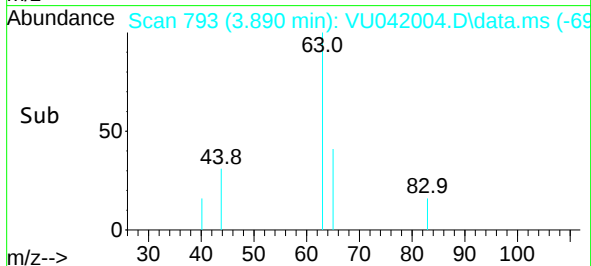
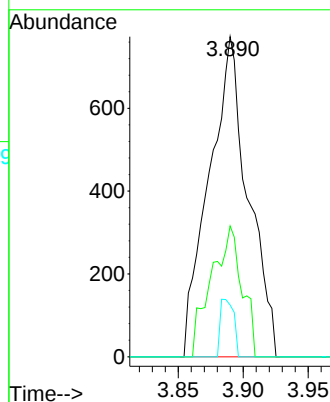
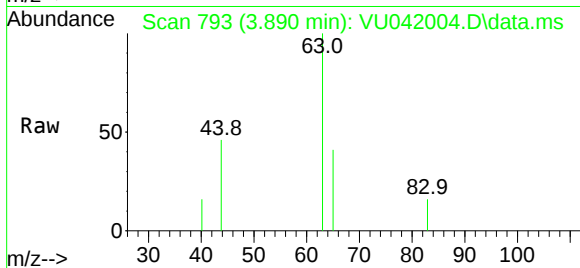
Delta R.T. 0.003 min

Lab File: VU042004.D

Acq: 14 Jan 2021 01:04

Tgt Ion:	63	Resp:	1610
Ion	Ratio	Lower	Upper
63	100		
65	40.9	22.7	42.1
83	16.2	9.4	17.6

Instrument :
MSVOA_U
ClientSampleId :



#22

cis-1,2-Dichloroethene

Concen: 1.29 ug/L

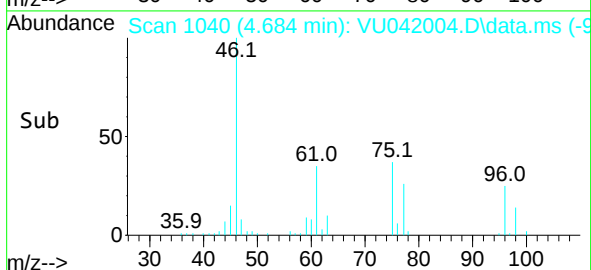
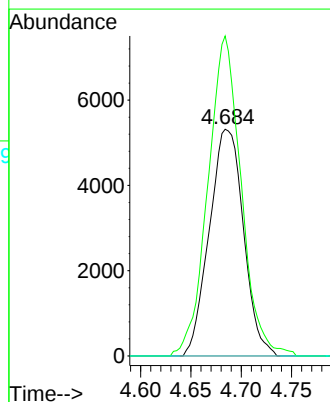
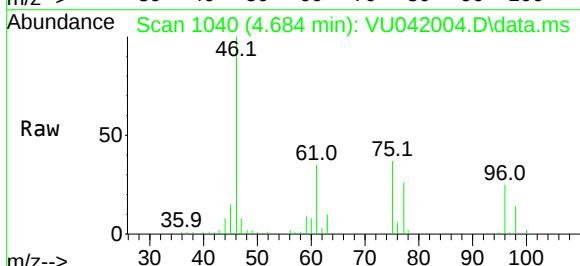
RT: 4.684 min Scan# 1040

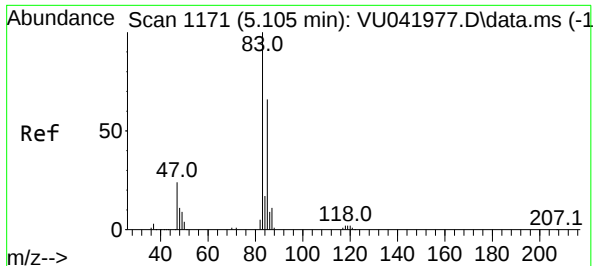
Delta R.T. 0.003 min

Lab File: VU042004.D

Acq: 14 Jan 2021 01:04

Tgt Ion:	96	Resp:	12574
Ion	Ratio	Lower	Upper
96	100		
61	141.2	100.3	186.3
68	0.0	0.0	0.0





#25

Chloroform

Concen: 0.25 ug/L

RT: 5.105 min Scan# 1171

Delta R.T. -0.000 min

Lab File: VU042004.D

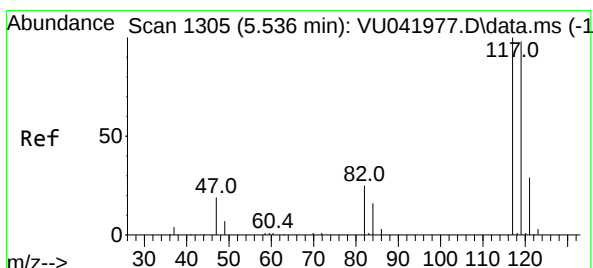
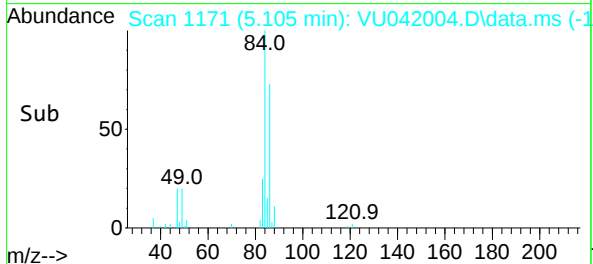
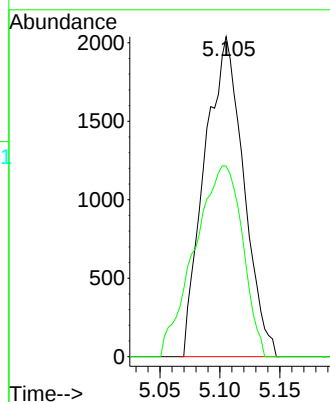
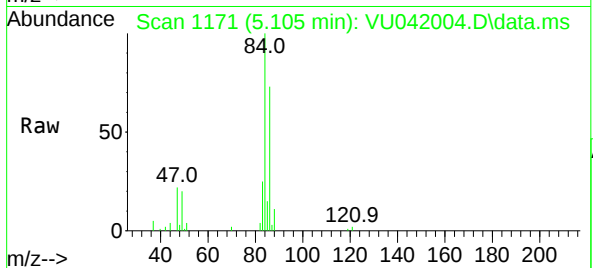
Acq: 14 Jan 2021 01:04

Tgt Ion: 83 Resp: 4600

Ion Ratio Lower Upper

83 100

85 59.6 46.1 85.7



#31

Carbon tetrachloride

Concen: 0.18 ug/L

RT: 5.533 min Scan# 1304

Delta R.T. -0.006 min

Lab File: VU042004.D

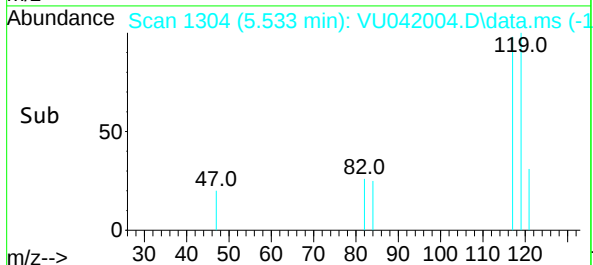
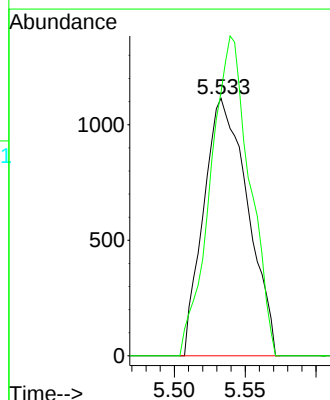
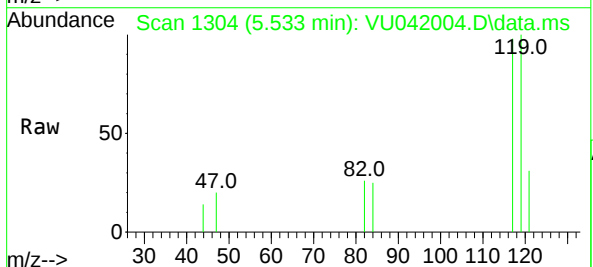
Acq: 14 Jan 2021 01:04

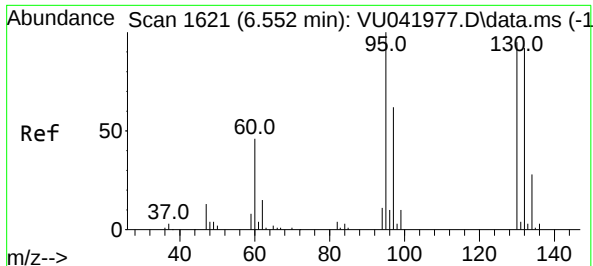
Tgt Ion: 117 Resp: 2409

Ion Ratio Lower Upper

117 100

119 110.9 76.6 114.8



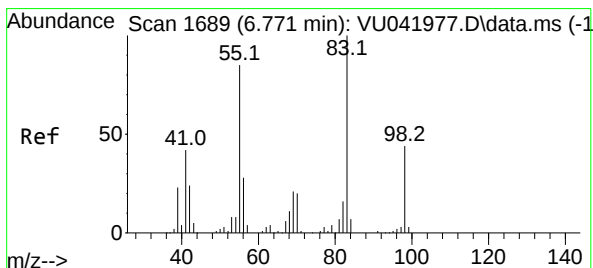
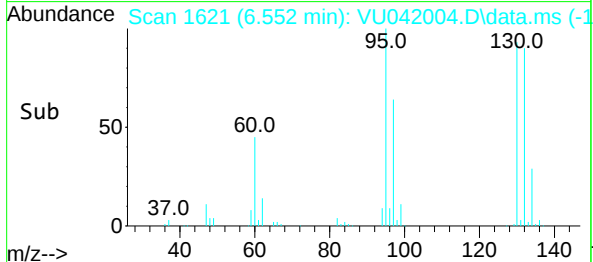
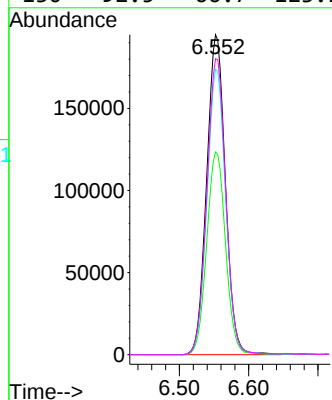
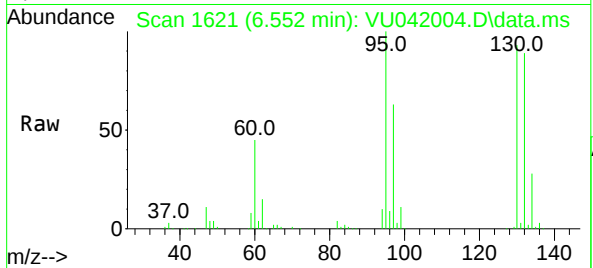


#34
Trichloroethene
Concen: 38.12 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VU042004.D
Acq: 14 Jan 2021 01:04

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 95 Resp: 364739

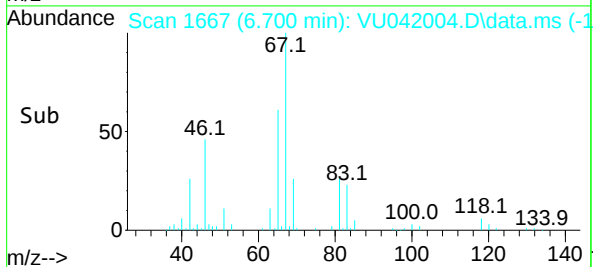
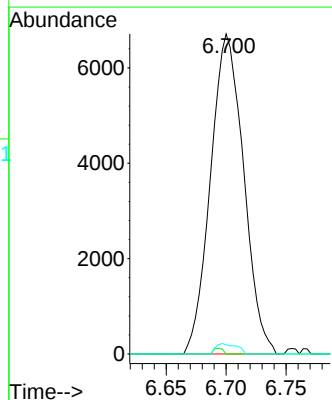
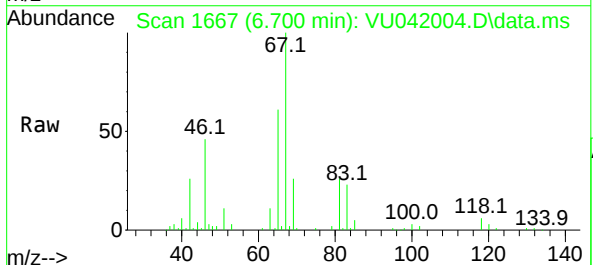
Ion	Ratio	Lower	Upper
95	100		
97	63.3	43.6	81.0
132	89.2	64.3	119.3
130	92.5	66.7	123.9

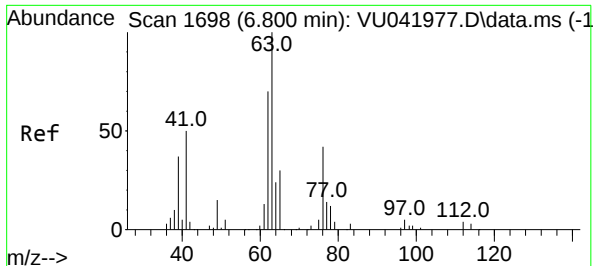


#35
Methylcyclohexane
Concen: 0.85 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.074 min
Lab File: VU042004.D
Acq: 14 Jan 2021 01:04

Tgt Ion: 83 Resp: 12887

Ion	Ratio	Lower	Upper
83	100		
55	0.5	66.8	100.2#
98	0.0	35.7	53.5#



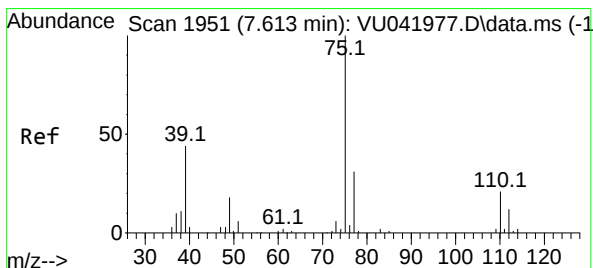
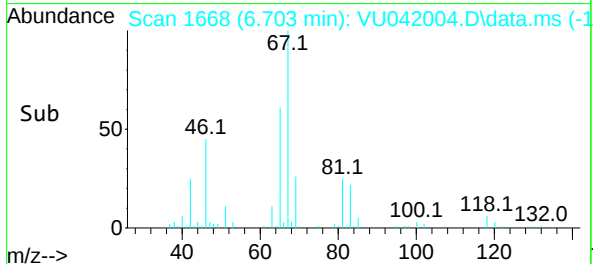
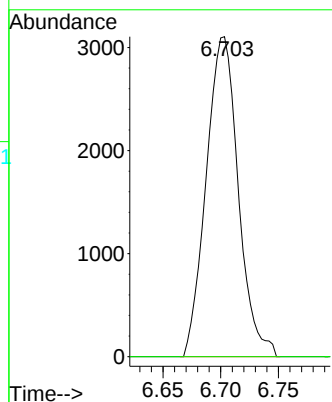
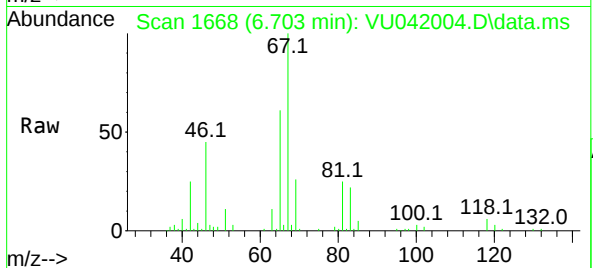


#37

1,2-Dichloropropane
Concen: 0.60 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.100 min
Lab File: VU042004.D
Acq: 14 Jan 2021 01:04

Instrument :
MSVOA_U
ClientSampled :

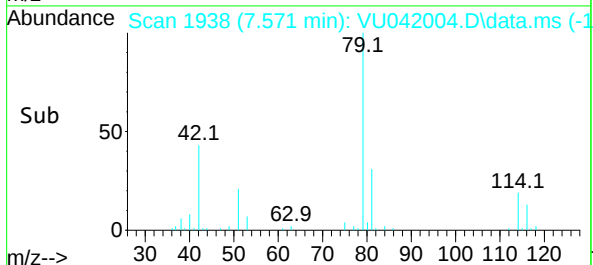
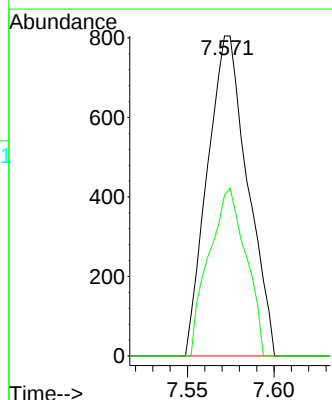
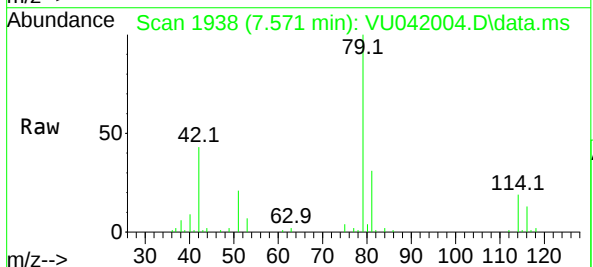
Tgt Ion: 63 Resp: 6014
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#

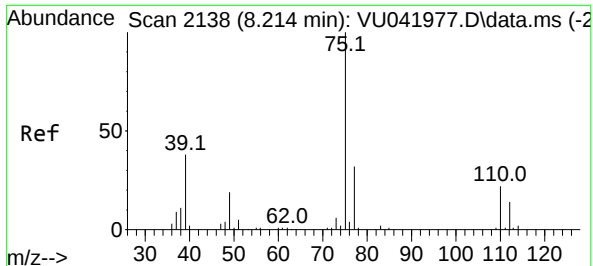


#39

cis-1,3-Dichloropropene
Concen: 0.09 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU042004.D
Acq: 14 Jan 2021 01:04

Tgt Ion: 75 Resp: 1295
Ion Ratio Lower Upper
75 100
77 50.3 21.9 40.7#

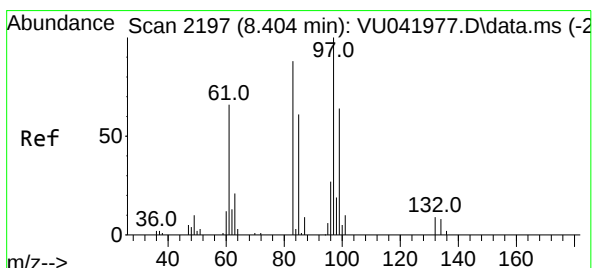
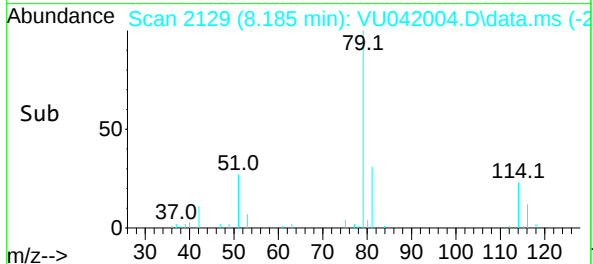
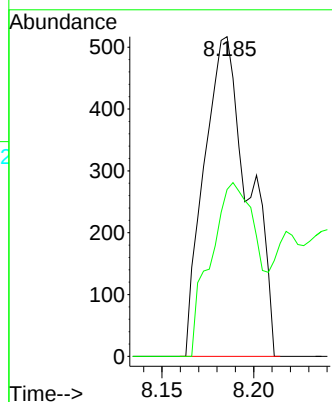
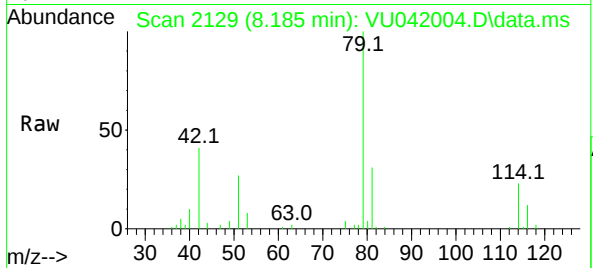




#44
trans-1,3-Dichloropropene
Concen: 0.07 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.032 min
Lab File: VU042004.D
Acq: 14 Jan 2021 01:04

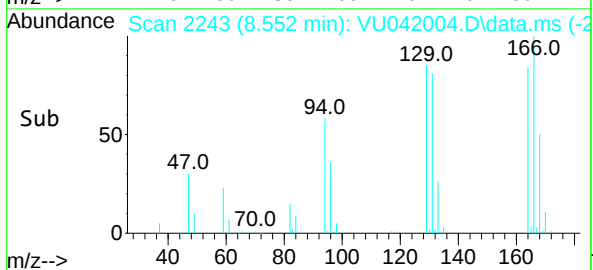
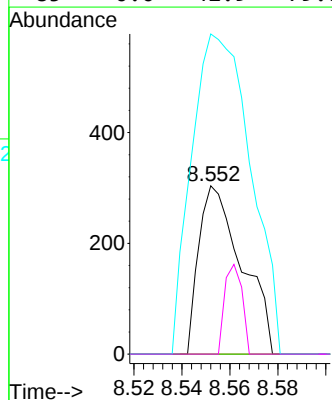
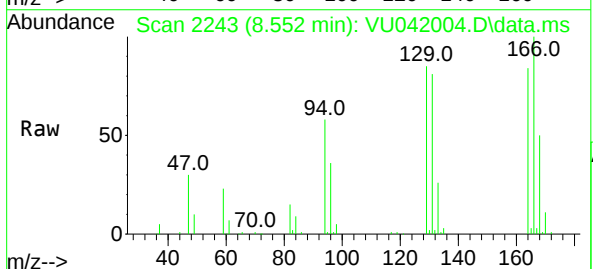
Instrument :
MSVOA_U
ClientSampled :

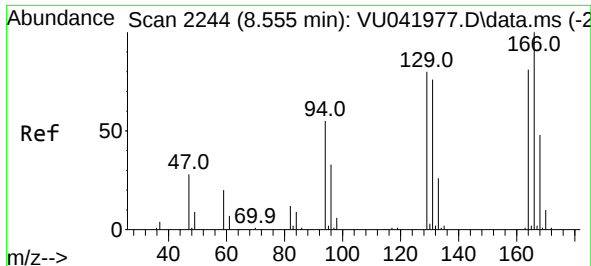
Tgt Ion: 75 Resp: 866
Ion Ratio Lower Upper
75 100
77 52.2 22.0 41.0#



#45
1,1,2-Trichloroethane
Concen: 0.05 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.148 min
Lab File: VU042004.D
Acq: 14 Jan 2021 01:04

Tgt Ion: 97 Resp: 379
Ion Ratio Lower Upper
97 100
99 0.0 44.7 83.1#
83 190.1 61.6 114.4#
85 0.0 42.9 79.7#

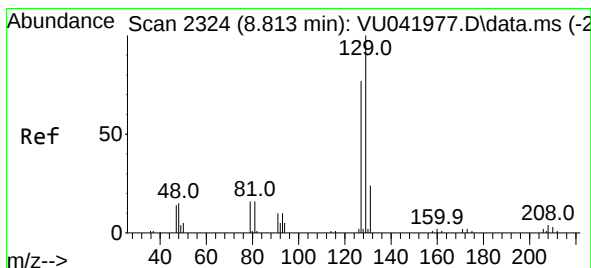
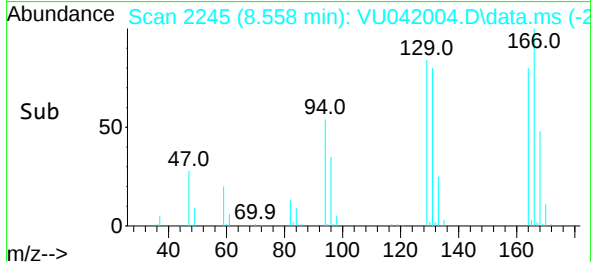
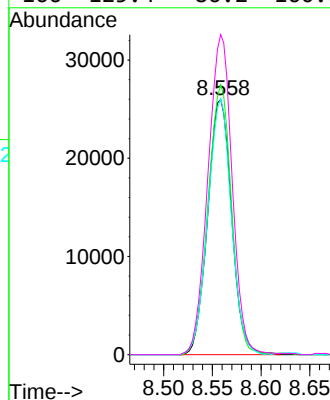
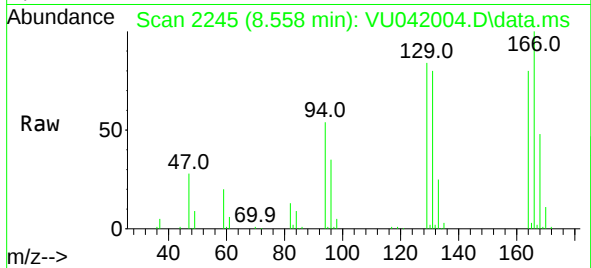




#47
Tetrachloroethene
Concen: 7.15 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU042004.D
Acq: 14 Jan 2021 01:04

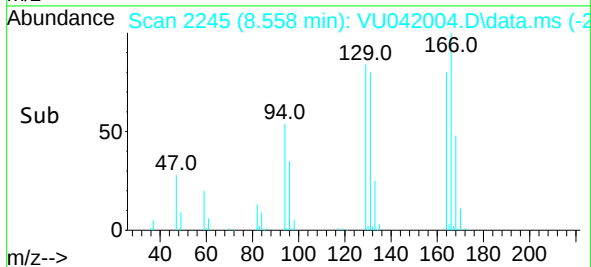
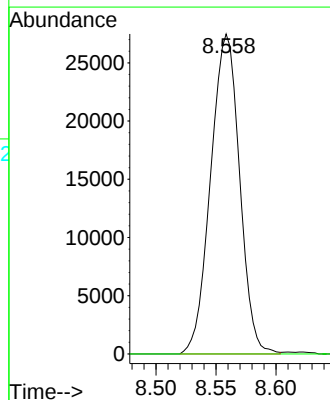
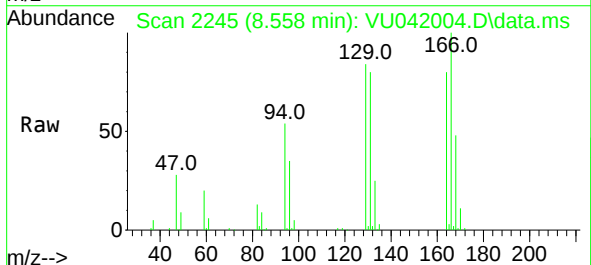
Instrument :
MSVOA_U
ClientSampled :

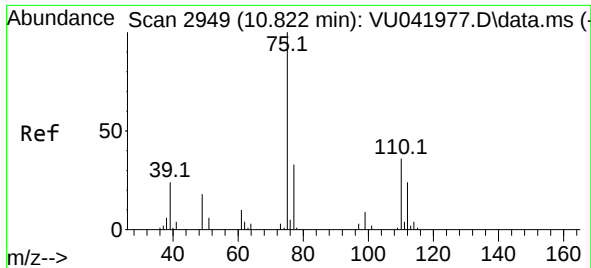
Tgt Ion:164	Resp:	44325
Ion Ratio	Lower	Upper
164	100	
129	105.8	68.7 127.5
131	100.3	65.2 121.0
166	125.4	86.2 160.0



#49
Dibromochloromethane
Concen: 6.02 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.254 min
Lab File: VU042004.D
Acq: 14 Jan 2021 01:04

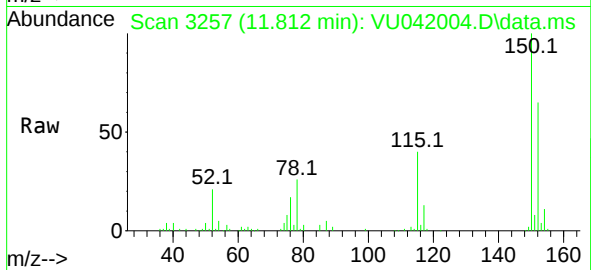
Tgt Ion:129	Resp:	46094
Ion Ratio	Lower	Upper
129	100	
127	0.0	53.7 99.7#





#59
 1,2,3-Trichloropropane
 Concen: 0.82 ug/L
 RT: 11.812 min Scan# 3257
 Delta R.T. 0.990 min
 Lab File: VU042004.D
 Acq: 14 Jan 2021 01:04

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 5331
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.6 38.4

