

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041521\
 Data File : VU043142.D
 Acq On : 16 Apr 2021 00:10
 Operator : SY/MD
 Sample : M2055-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 16 07:16:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR041521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 16 07:14:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	63369	5.00	ug/L	# 0.00
28) Chlorobenzene-d5	9.423	117	62671	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	29102	5.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	17098	5.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.20%
7) Chloroethane-d5	1.919	69	17316	5.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.20%
11) 1,1-Dichloroethene-d2	2.571	65	10626	5.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	114.00%
20) 2-Butanone-d5	4.649	46	63530	44.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.90%
24) Chloroform-d	5.073	84	48271	5.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.80%
26) 1,2-Dichloroethane-d4	5.710	65	31908	5.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.20%
32) Benzene-d6	5.735	84	85575	5.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.20%
36) 1,2-Dichloropropane-d6	6.700	67	29128	6.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	120.40%
41) Toluene-d8	7.906	98	78031	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
43) trans-1,3-Dichloroprop...	8.189	79	11683	5.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.40%
46) 2-Hexanone-d5	8.645	63	67252	63.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.20%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	26101	6.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	122.60%#
66) 1,2-Dichlorobenzene-d4	12.201	152	31195	6.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	125.00%#

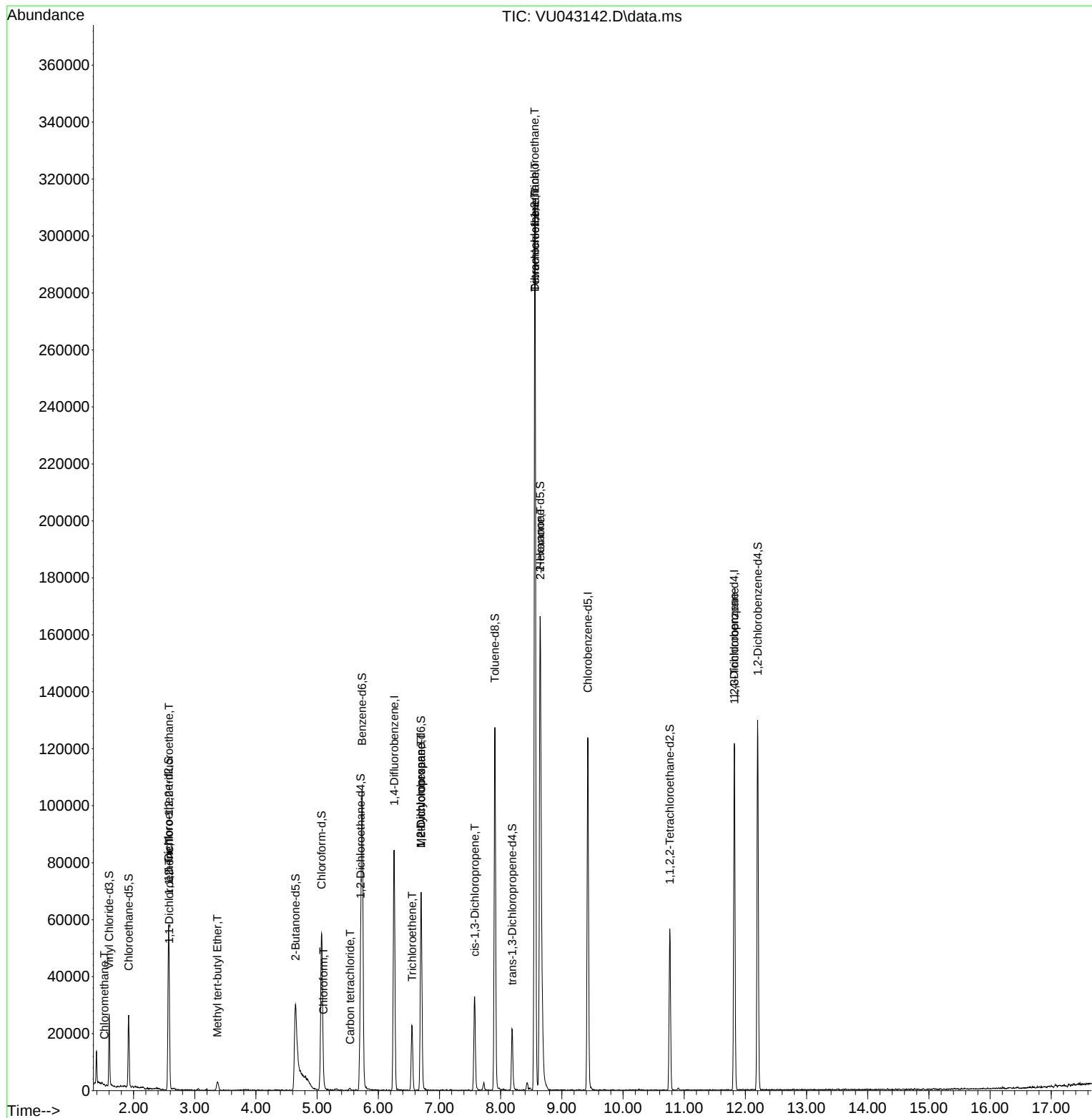
Target Compounds						Qvalue
3) Chloromethane	1.523	50	331	0.08	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	631	0.15	ug/L #	44
12) 1,1-Dichloroethene	2.584	96	597	0.17	ug/L #	1
17) Methyl tert-butyl Ether	3.369	73	3181	0.28	ug/L #	95
25) Chloroform	5.102	83	2725	0.31	ug/L	87
31) Carbon tetrachloride	5.539	117	605	0.09	ug/L	94
34) Trichloroethene	6.552	95	6840	1.48	ug/L	95
35) Methylcyclohexane	6.700	83	6593	1.03	ug/L #	22
37) 1,2-Dichloropropane	6.700	63	3790	0.80	ug/L #	87
39) cis-1,3-Dichloropropene	7.578	75	958	0.14	ug/L	86
45) 1,1,2-Trichloroethane	8.555	97	575	0.16	ug/L #	12
47) Tetrachloroethene	8.562	164	65943	18.02	ug/L	93
48) 2-Hexanone	8.648	43	10797	3.48	ug/L #	62
49) Dibromochloromethane	8.558	129	58615	13.18	ug/L #	9
61) 1,2,3-Trichloropropane	11.822	75	4393	1.46	ug/L #	64

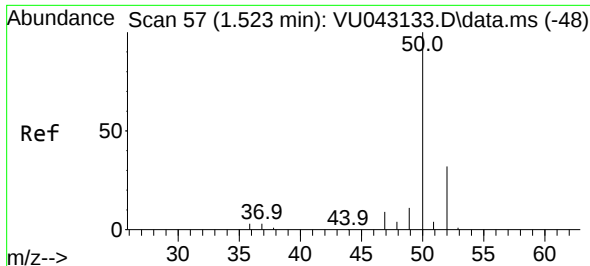
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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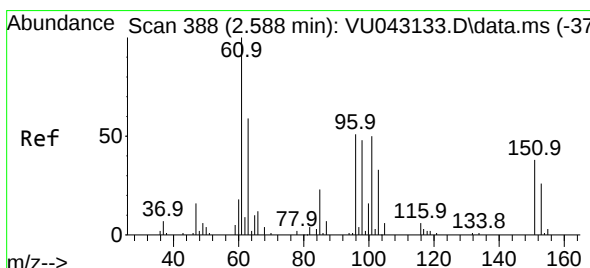
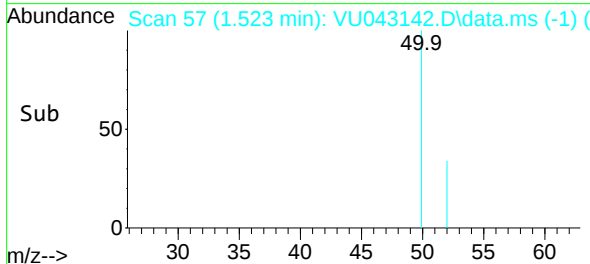
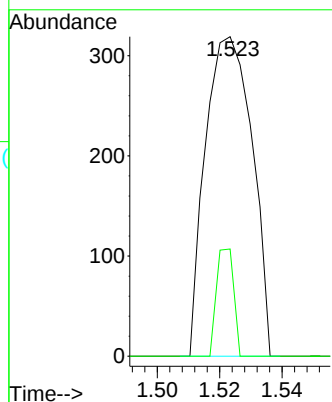
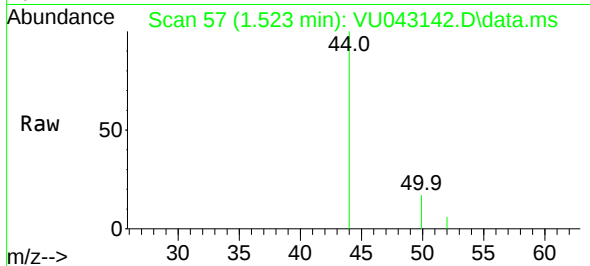




#3
Chloromethane
Concen: 0.08 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU043142.D
Acq: 16 Apr 2021 00:10

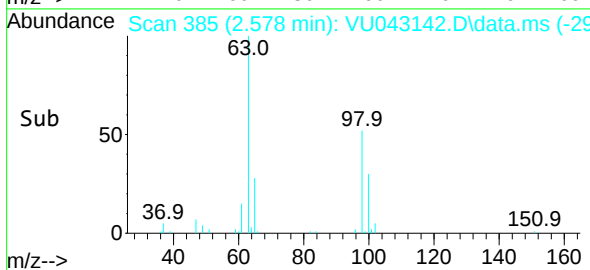
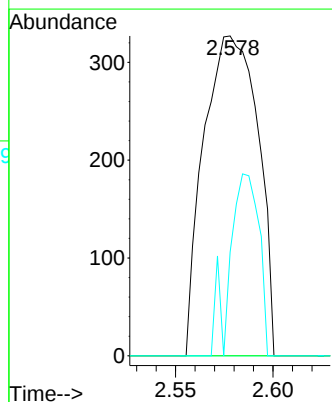
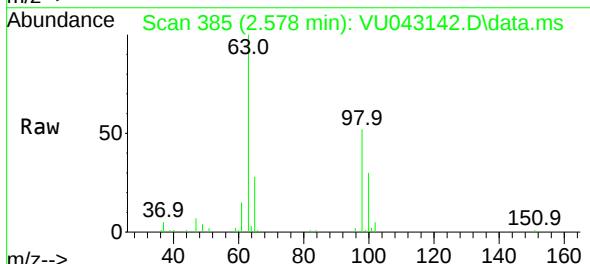
Instrument :
MSVOA_U
ClientSampled :

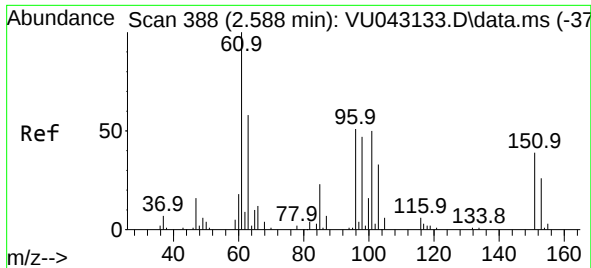
Tgt Ion: 50 Resp: 331
Ion Ratio Lower Upper
50 100
52 33.5 23.6 43.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.15 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.010 min
Lab File: VU043142.D
Acq: 16 Apr 2021 00:10

Tgt Ion: 101 Resp: 631
Ion Ratio Lower Upper
101 100
85 0.0 34.5 51.7#
151 30.9 57.4 86.2#





#12

1,1-Dichloroethene

Concen: 0.17 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.003 min

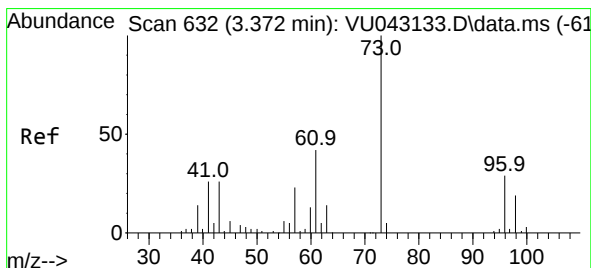
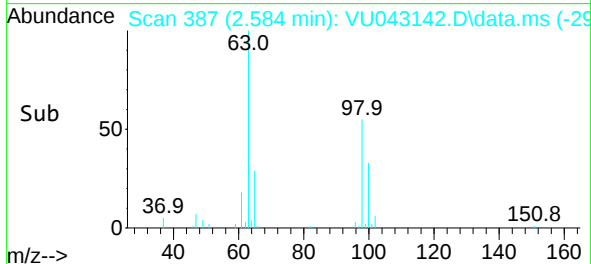
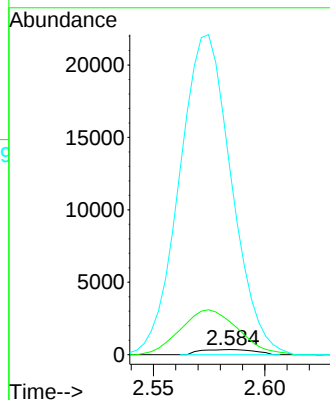
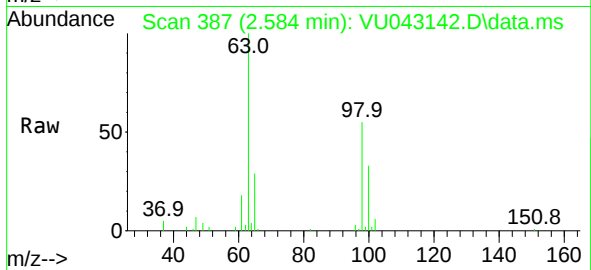
Lab File: VU043142.D

Acq: 16 Apr 2021 00:10

Tgt Ion: 96 Resp: 597

Ion	Ratio	Lower	Upper
96	100		
61	649.6	115.1	213.7#
63	3637.0	84.1	156.1#

Instrument :
MSVOA_U
ClientSampled :



#17

Methyl tert-butyl Ether

Concen: 0.28 ug/L

RT: 3.369 min Scan# 631

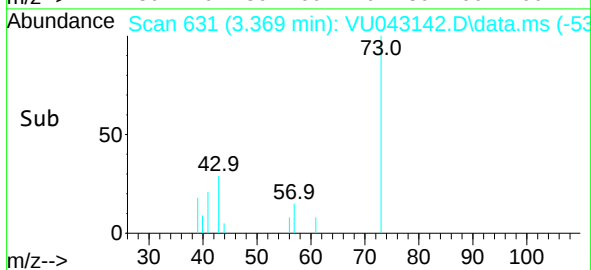
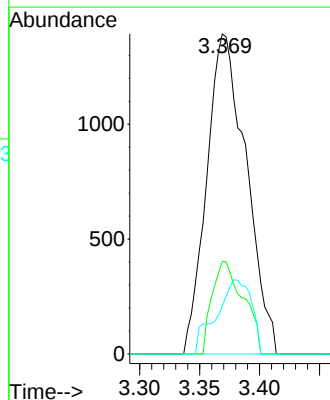
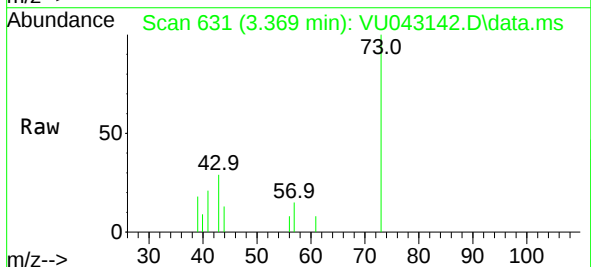
Delta R.T. -0.003 min

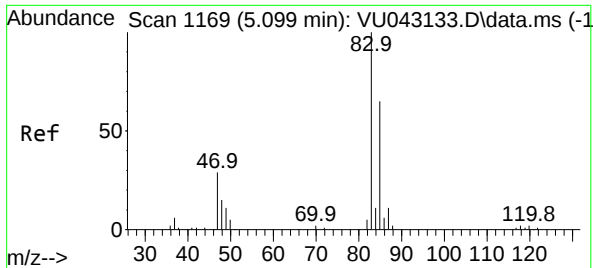
Lab File: VU043142.D

Acq: 16 Apr 2021 00:10

Tgt Ion: 73 Resp: 3181

Ion	Ratio	Lower	Upper
73	100		
43	22.9	15.0	22.4#
57	20.7	17.3	25.9





#25

Chloroform

Concen: 0.31 ug/L

RT: 5.102 min Scan# 1170

Delta R.T. 0.003 min

Lab File: VU043142.D

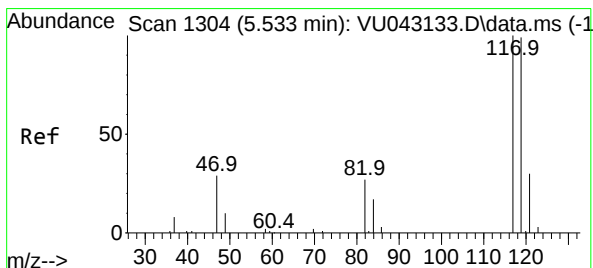
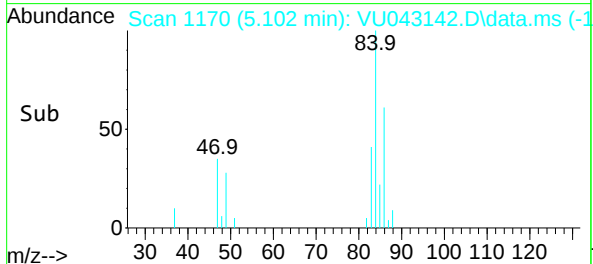
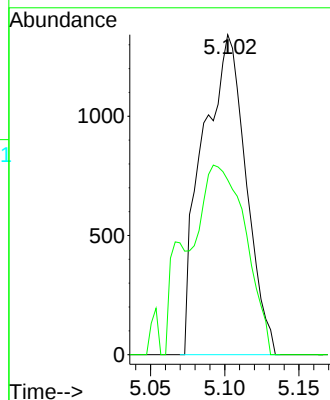
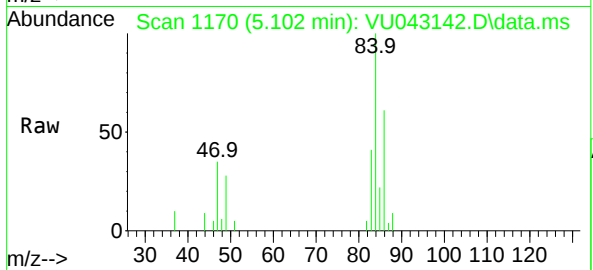
Acq: 16 Apr 2021 00:10

Tgt Ion: 83 Resp: 2725

Ion Ratio Lower Upper

83 100

85 54.6 45.6 84.8



#31

Carbon tetrachloride

Concen: 0.09 ug/L

RT: 5.539 min Scan# 1306

Delta R.T. 0.006 min

Lab File: VU043142.D

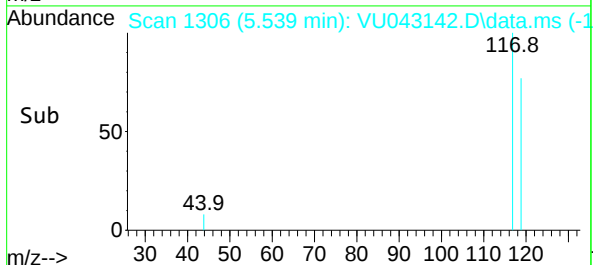
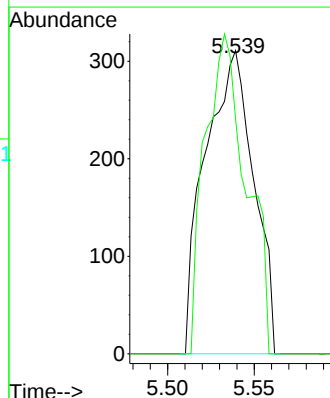
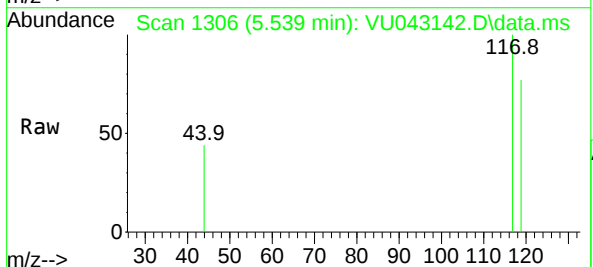
Acq: 16 Apr 2021 00:10

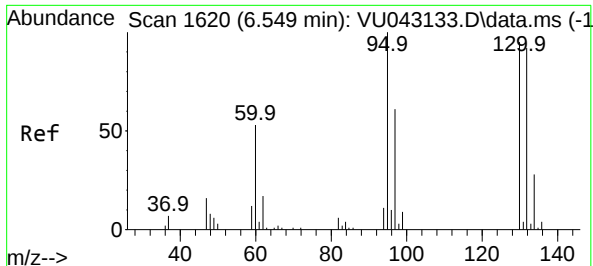
Tgt Ion: 117 Resp: 605

Ion Ratio Lower Upper

117 100

119 89.9 76.2 114.4

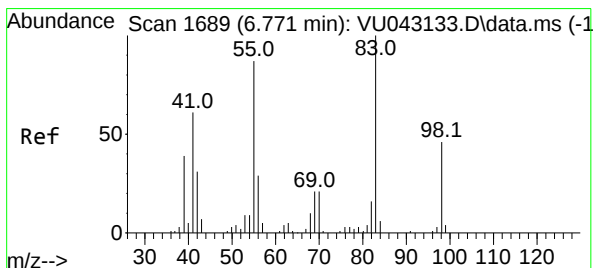
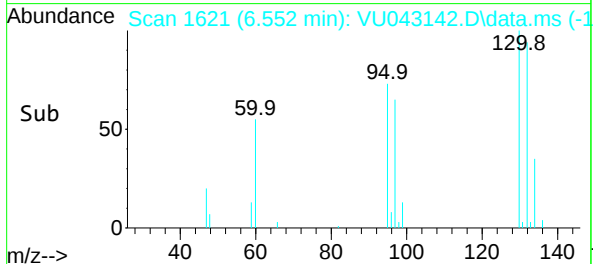
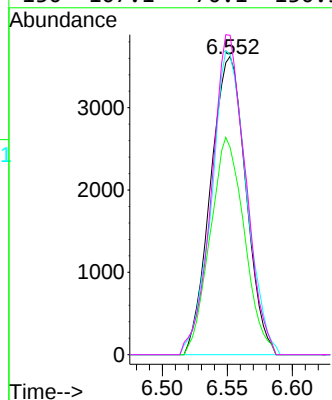
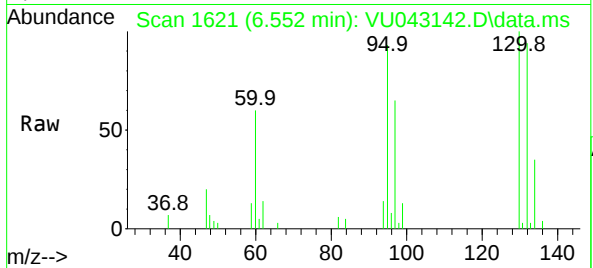




#34
Trichloroethene
Concen: 1.48 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.003 min
Lab File: VU043142.D
Acq: 16 Apr 2021 00:10

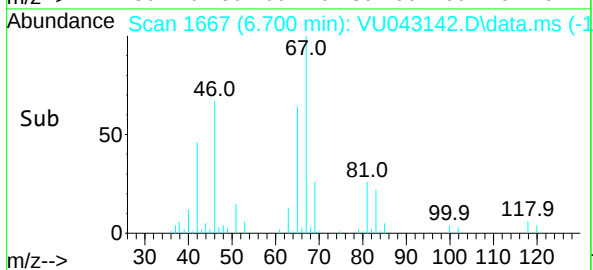
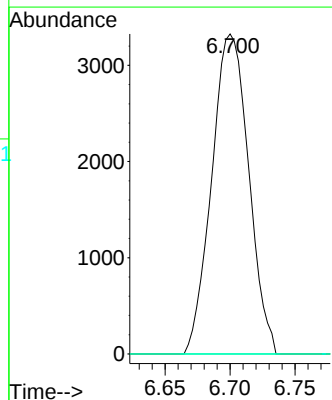
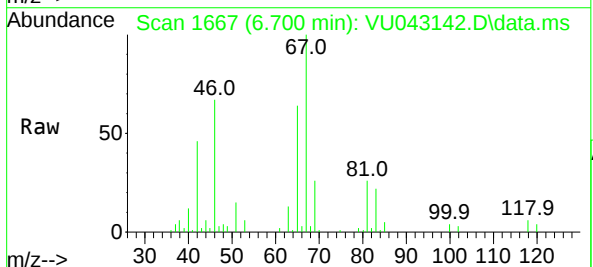
Instrument :
MSVOA_U
ClientSampleId :

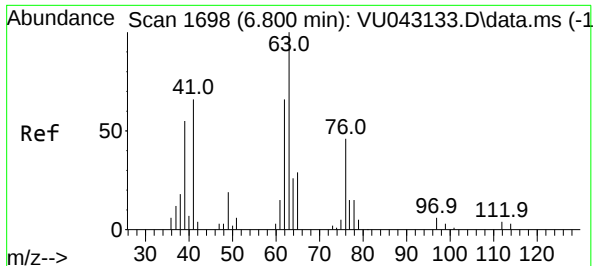
Tgt Ion: 95 Resp: 6840
Ion Ratio Lower Upper
95 100
97 69.4 45.8 85.2
132 100.6 68.7 127.7
130 107.1 70.1 130.3



#35
Methylcyclohexane
Concen: 1.03 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU043142.D
Acq: 16 Apr 2021 00:10

Tgt Ion: 83 Resp: 6593
Ion Ratio Lower Upper
83 100
55 0.0 59.5 89.3#
98 4.9 37.9 56.9#

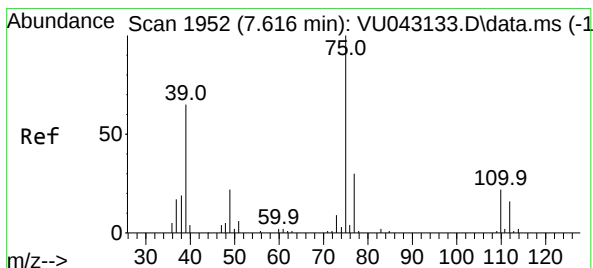
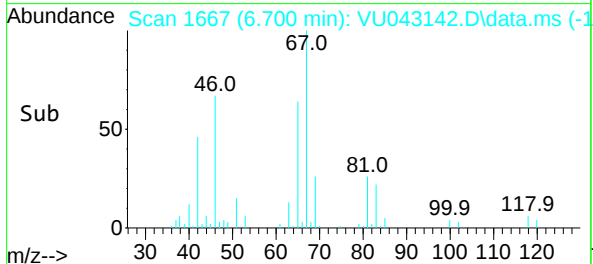
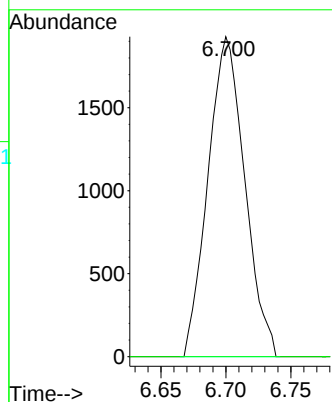
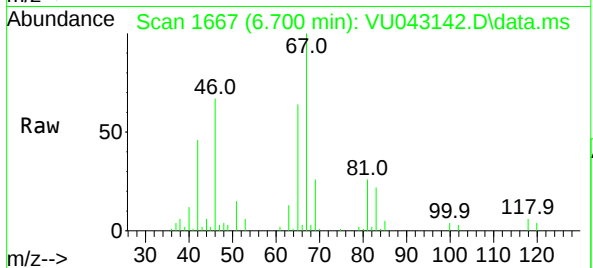




#37
1,2-Dichloropropane
Concen: 0.80 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU043142.D
Acq: 16 Apr 2021 00:10

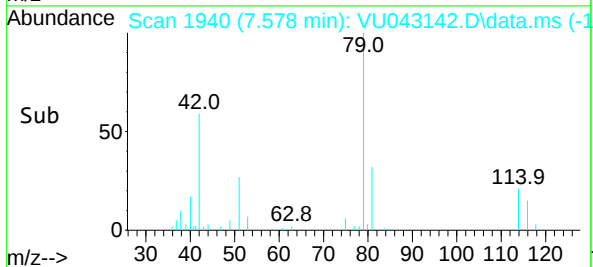
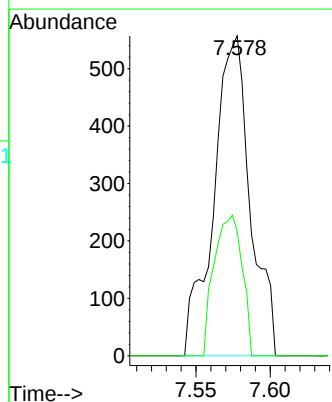
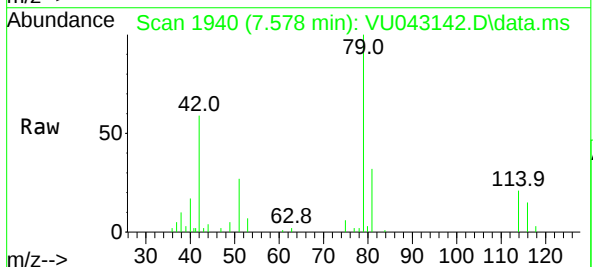
Instrument :
MSVOA_U
ClientSampled :

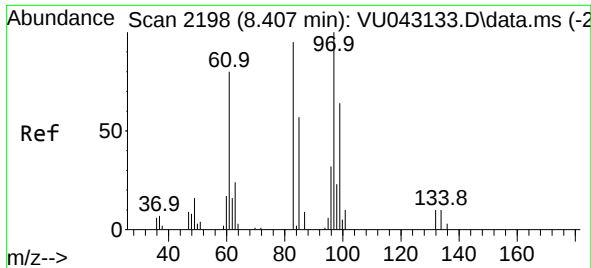
Tgt Ion: 63 Resp: 3790
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



#39
cis-1,3-Dichloropropene
Concen: 0.14 ug/L
RT: 7.578 min Scan# 1940
Delta R.T. -0.039 min
Lab File: VU043142.D
Acq: 16 Apr 2021 00:10

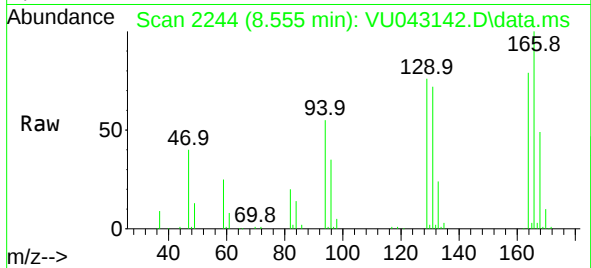
Tgt Ion: 75 Resp: 958
Ion Ratio Lower Upper
75 100
77 39.0 21.8 40.6



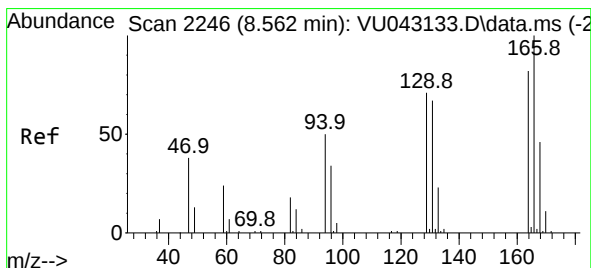
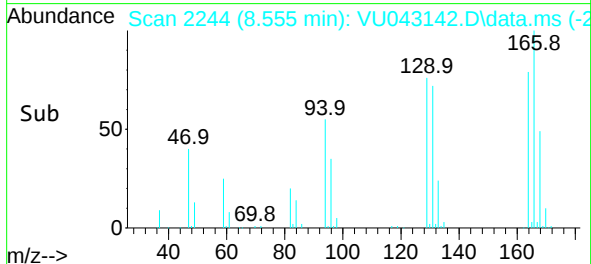
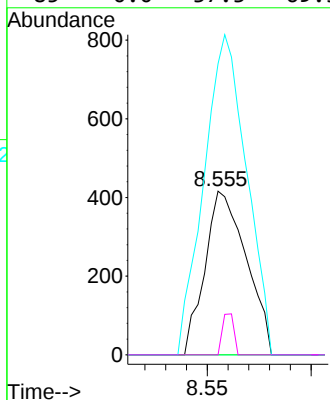


#45
1,1,2-Trichloroethane
Concen: 0.16 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.148 min
Lab File: VU043142.D
Acq: 16 Apr 2021 00:10

Instrument :
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ClientSampleId :

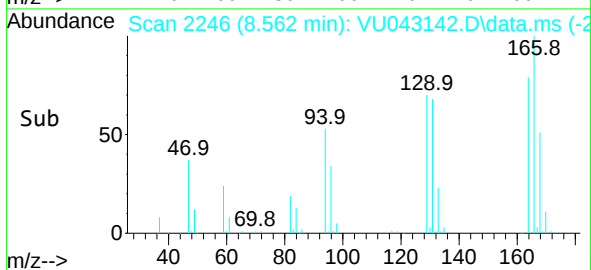
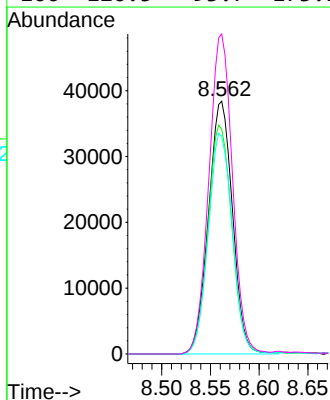
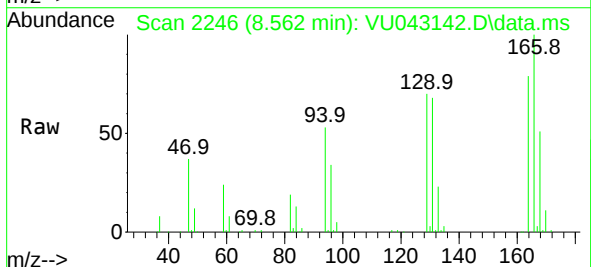


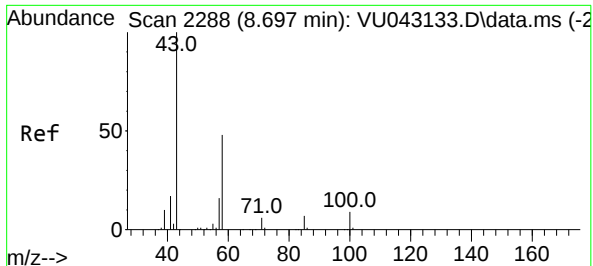
Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.2	82.0#
83	177.9	60.1	111.7#
85	0.0	37.3	69.3#



#47
Tetrachloroethene
Concen: 18.02 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.000 min
Lab File: VU043142.D
Acq: 16 Apr 2021 00:10

Tgt Ion	Ratio	Lower	Upper
164	100		
129	88.9	66.6	123.8
131	86.0	65.9	122.3
166	126.5	93.7	173.9

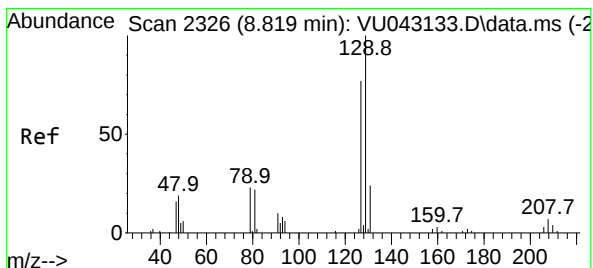
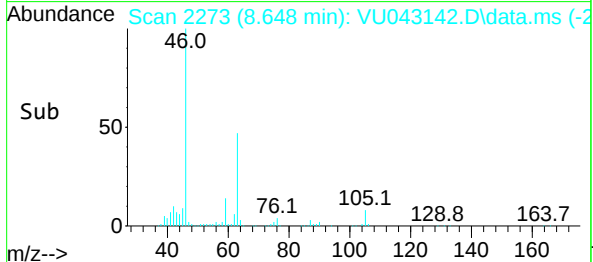
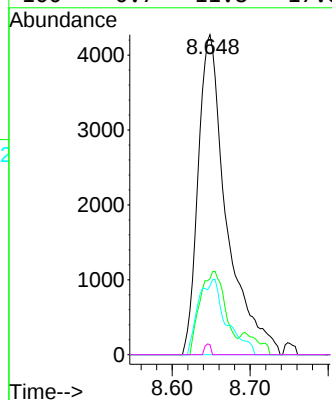
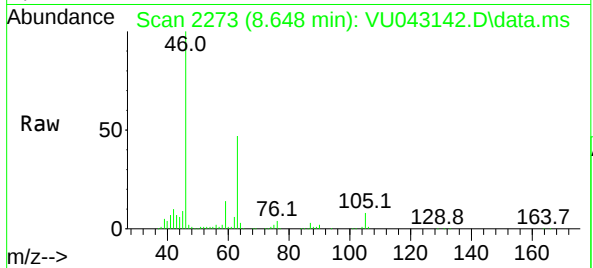




#48
2-Hexanone
Concen: 3.48 ug/L
RT: 8.648 min Scan# 2273
Delta R.T. -0.048 min
Lab File: VU043142.D
Acq: 16 Apr 2021 00:10

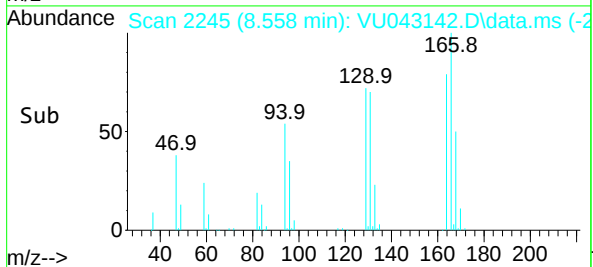
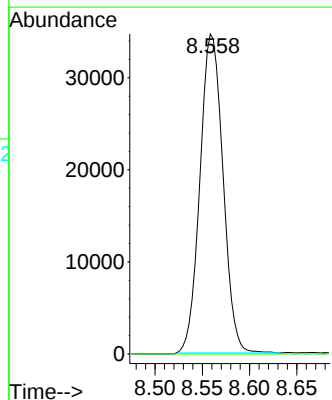
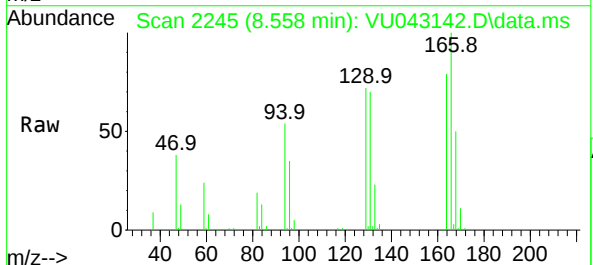
Instrument :
MSVOA_U
ClientSampleId :

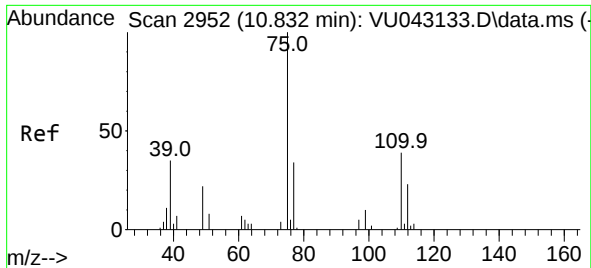
Tgt Ion: 43	Resp: 10797
Ion Ratio	Lower Upper
43 100	
58 23.3	50.0 75.0#
57 23.5	17.4 26.0
100 0.7	11.8 17.8#



#49
Dibromochloromethane
Concen: 13.18 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.260 min
Lab File: VU043142.D
Acq: 16 Apr 2021 00:10

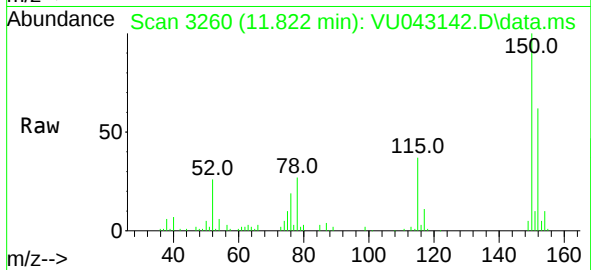
Tgt Ion: 129	Resp: 58615
Ion Ratio	Lower Upper
129 100	
127 0.0	56.6 105.2#





#61
 1,2,3-Trichloropropane
 Concen: 1.46 ug/L
 RT: 11.822 min Scan# 3260
 Delta R.T. 0.990 min
 Lab File: VU043142.D
 Acq: 16 Apr 2021 00:10

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 4393
 Ion Ratio Lower Upper
 75 100
 110 0.0 31.5 47.3#
 77 33.6 26.3 39.5

