

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011321\
 Data File : VU041999.D
 Acq On : 13 Jan 2021 23:04
 Operator : SY/MD
 Sample : M1065-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 02:47:19 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	116283	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	111755	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	45076	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	43751	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.919	69	42883	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.20%
11) 1,1-Dichloroethene-d2	2.578	63	93914	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.20%
20) 2-Butanone-d5	4.665	46	164410	55.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.66%
24) Chloroform-d	5.080	84	89517	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.716	65	51602	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.739	84	168843	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.700	67	56722	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.906	98	139935	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
43) trans-1,3-Dichloroprop...	8.186	79	22751	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.642	63	142878	58.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.04%
57) 1,1,2,2-Tetrachloroeth...	10.755	84	42928	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	12.189	152	43850	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	15838	1.48	ug/L	99
3) Chloromethane	1.520	50	1039	0.08	ug/L	90
8) Chloroethane	1.945	64	281	0.03	ug/L #	44
9) Trichlorofluoromethane	2.144	101	8430	0.49	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	11836	1.27	ug/L	98
12) 1,1-Dichloroethene	2.588	96	50069	5.47	ug/L	99
13) Acetone	2.678	43	2987	1.62	ug/L	84
17) Methyl tert-butyl Ether	3.385	73	4641	0.19	ug/L #	94
18) trans-1,2-Dichloroethene	3.372	96	628	0.07	ug/L #	57
19) 1,1-Dichloroethane	3.887	63	28351	1.56	ug/L	97
22) cis-1,2-Dichloroethene	4.684	96	30374	3.14	ug/L	96
25) Chloroform	5.105	83	10958	0.60	ug/L	90
27) 1,2-Dichloroethane	5.806	62	3095	0.27	ug/L	98
29) 1,1,1-Trichloroethane	5.334	97	9604	0.59	ug/L	92
31) Carbon tetrachloride	5.536	117	4899	0.35	ug/L	87
33) Benzene	5.793	78	1821	0.04	ug/L	100
34) Trichloroethene	6.552	95	1134603	109.75	ug/L	97
35) Methylcyclohexane	6.700	83	13361	0.81	ug/L #	16
37) 1,2-Dichloropropane	6.803	63	1924	0.18	ug/L #	90

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

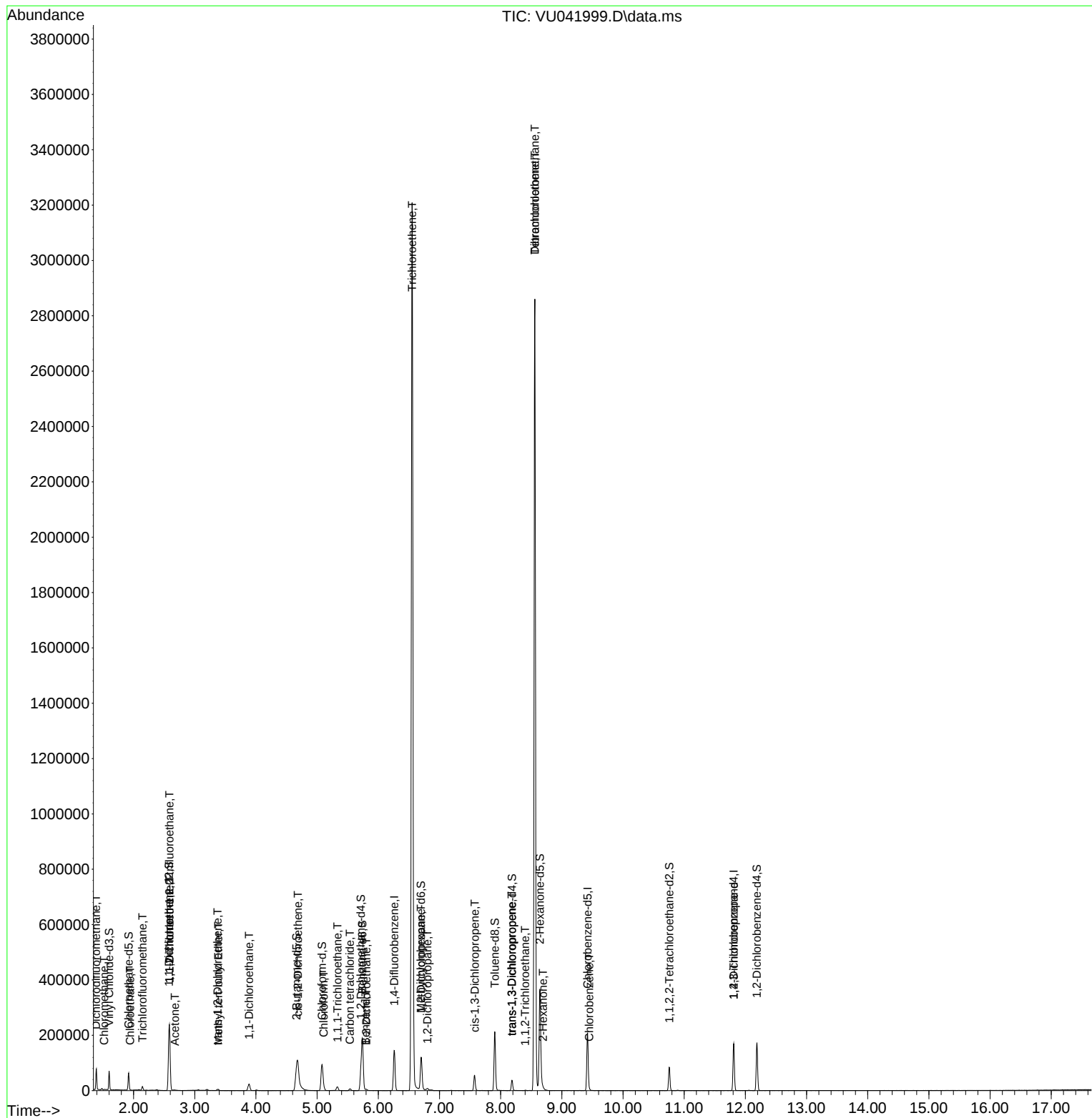
39) cis-1,3-Dichloropropene	7.578	75	1293	0.08	ug/L #	35
44) trans-1,3-Dichloropropene	8.182	75	610	0.04	ug/L #	43
45) 1,1,2-Trichloroethane	8.401	97	612	0.08	ug/L #	80
47) Tetrachloroethene	8.559	164	604379	90.26	ug/L	95
48) 2-Hexanone	8.690	43	2695	0.54	ug/L #	47
49) Dibromochloromethane	8.559	129	619008	74.81	ug/L #	11
51) Chlorobenzene	9.446	112	2376	0.10	ug/L	95
59) 1,2,3-Trichloropropane	11.809	75	5110	0.72	ug/L #	86

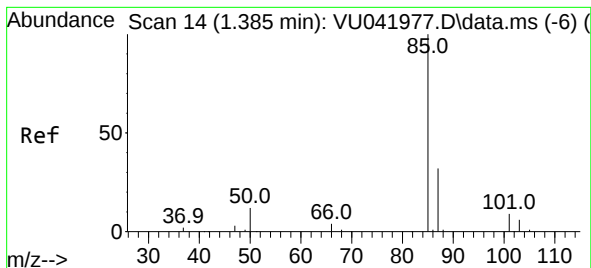
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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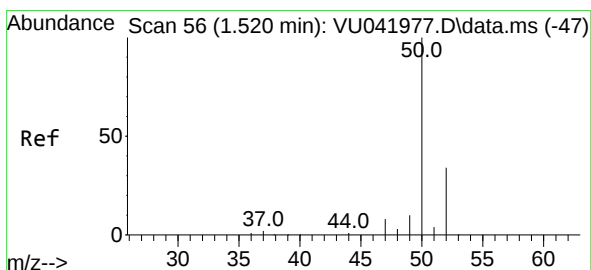
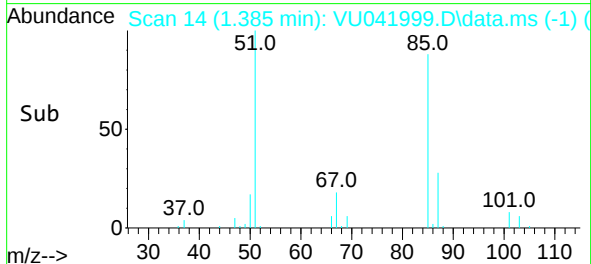
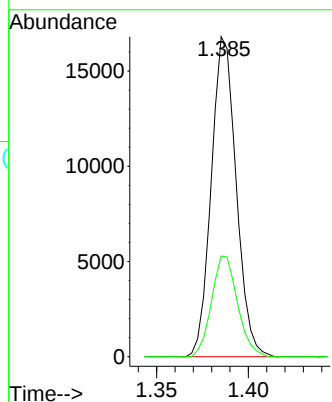
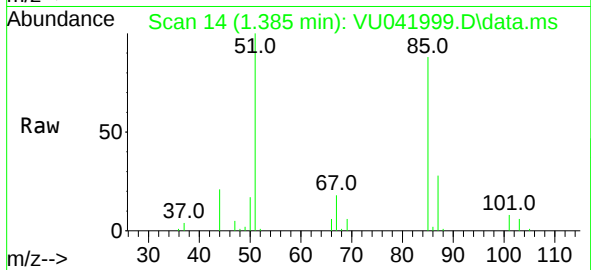




#2
Dichlorodifluoromethane
Concen: 1.48 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU041999.D
Acq: 13 Jan 2021 23:04

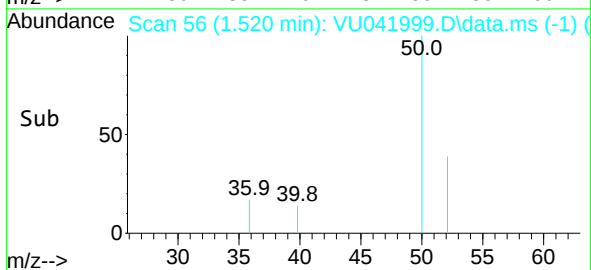
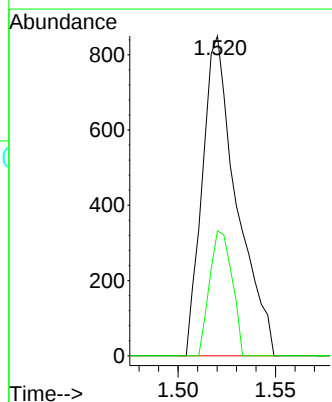
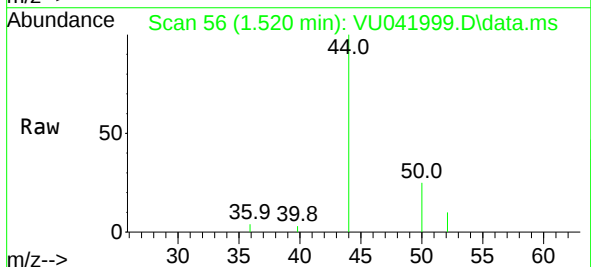
Instrument :
MSVOA_U
ClientSampleId :

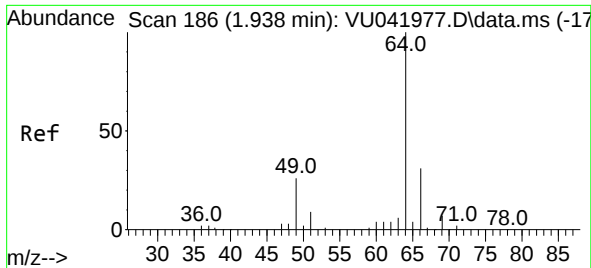
Tgt Ion: 85 Resp: 15838
Ion Ratio Lower Upper
85 100
87 32.8 25.7 38.5



#3
Chloromethane
Concen: 0.08 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU041999.D
Acq: 13 Jan 2021 23:04

Tgt Ion: 50 Resp: 1039
Ion Ratio Lower Upper
50 100
52 39.1 23.5 43.7

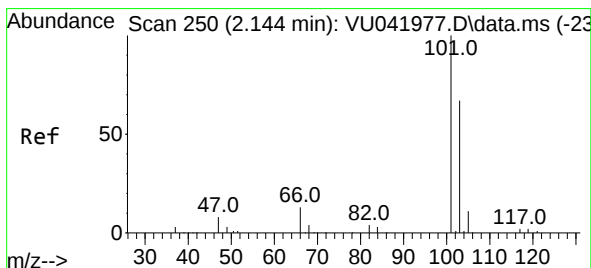
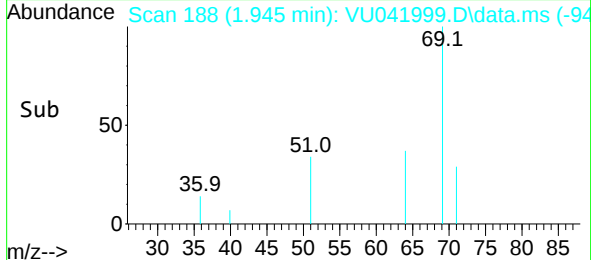
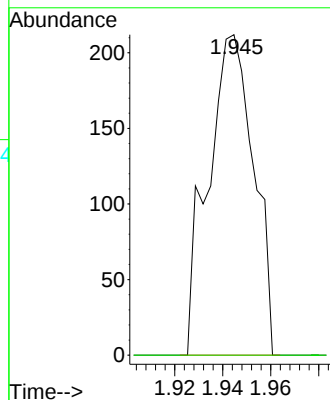
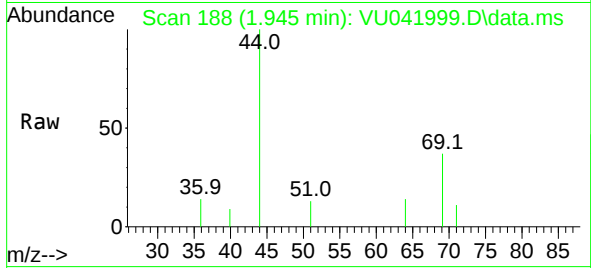




#8
Chloroethane
Concen: 0.03 ug/L
RT: 1.945 min Scan# 188
Delta R.T. 0.003 min
Lab File: VU041999.D
Acq: 13 Jan 2021 23:04

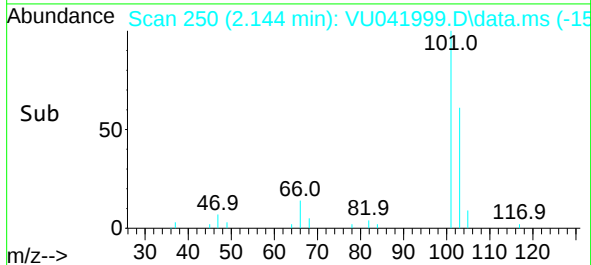
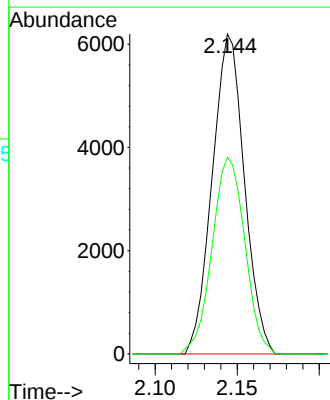
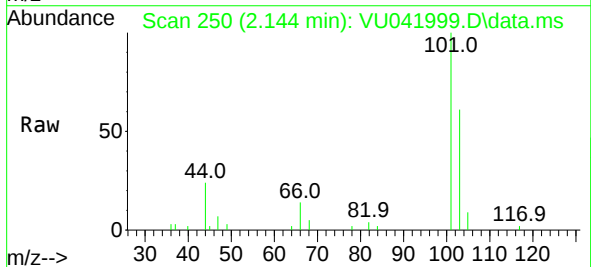
Instrument :
MSVOA_U
ClientSampleId :

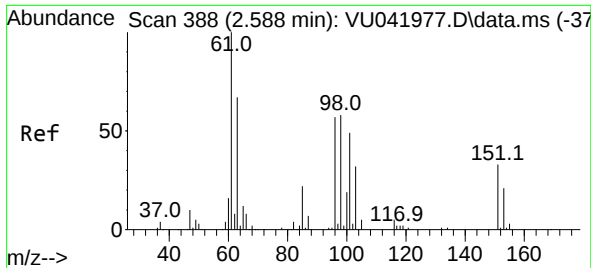
Tgt Ion: 64 Resp: 281
Ion Ratio Lower Upper
64 100
66 0.0 21.6 40.2#



#9
Trichlorofluoromethane
Concen: 0.49 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU041999.D
Acq: 13 Jan 2021 23:04

Tgt Ion:101 Resp: 8430
Ion Ratio Lower Upper
101 100
103 62.4 51.6 77.4

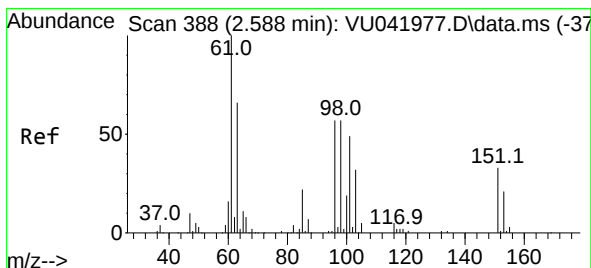
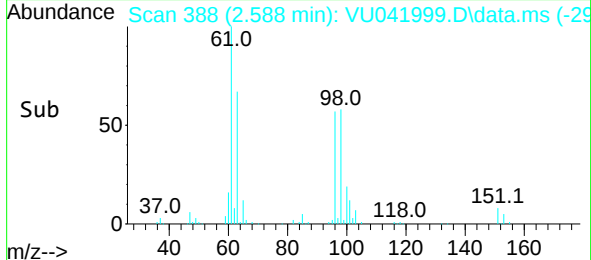
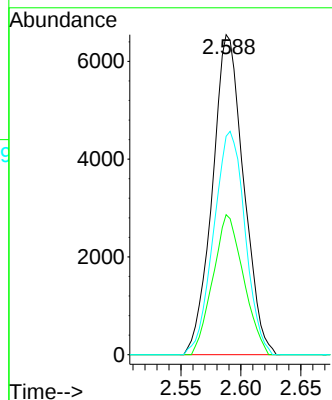
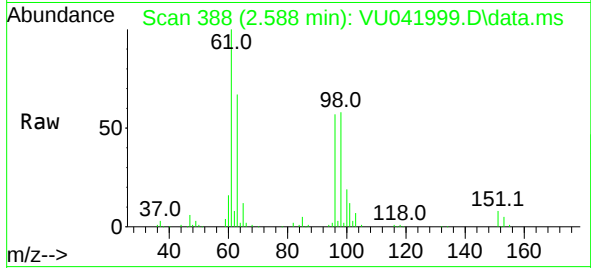




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.27 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.003 min
 Lab File: VU041999.D
 Acq: 13 Jan 2021 23:04

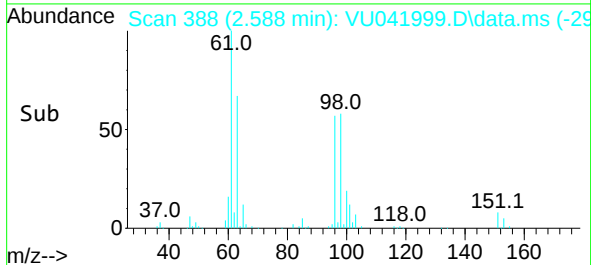
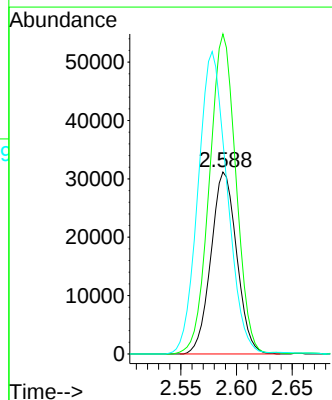
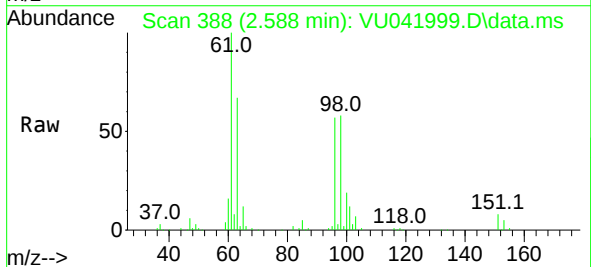
Instrument :
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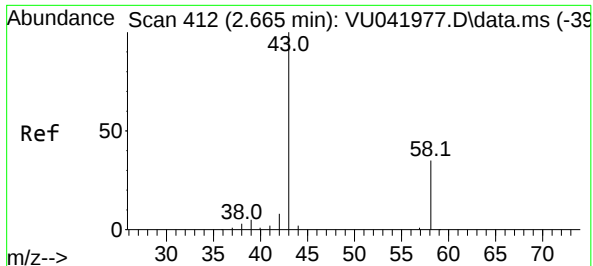
Tgt Ion:	101	Resp:	11836
Ion	Ratio	Lower	Upper
101	100		
85	42.9	35.9	53.9
151	70.2	55.4	83.2



#12
 1,1-Dichloroethene
 Concen: 5.47 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: VU041999.D
 Acq: 13 Jan 2021 23:04

Tgt Ion:	96	Resp:	50069
Ion	Ratio	Lower	Upper
96	100		
61	175.9	122.2	226.9
63	117.1	82.8	153.8

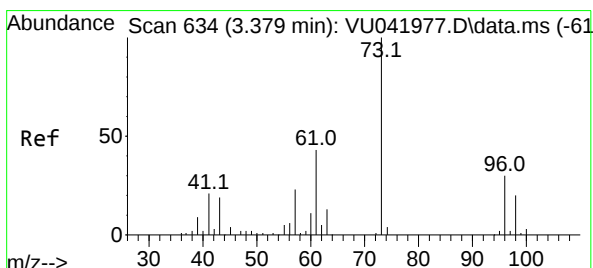
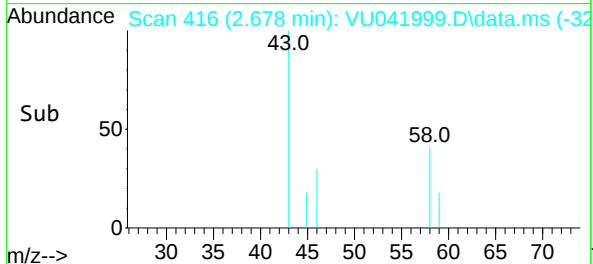
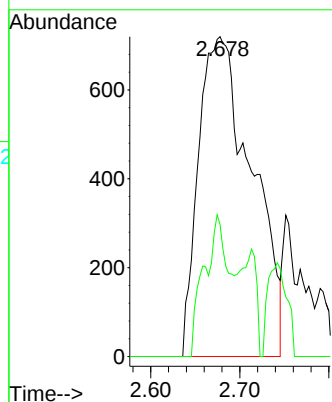
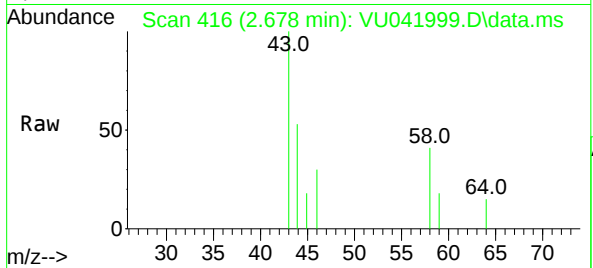




#13
Acetone
Concen: 1.62 ug/L
RT: 2.678 min Scan# 416
Delta R.T. 0.006 min
Lab File: VU041999.D
Acq: 13 Jan 2021 23:04

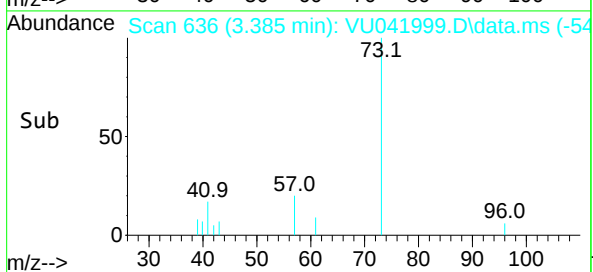
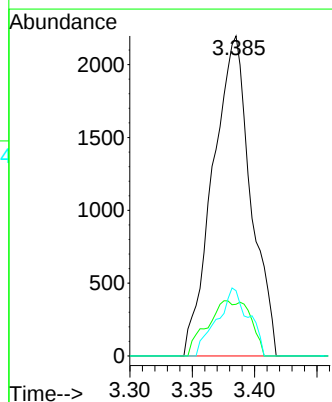
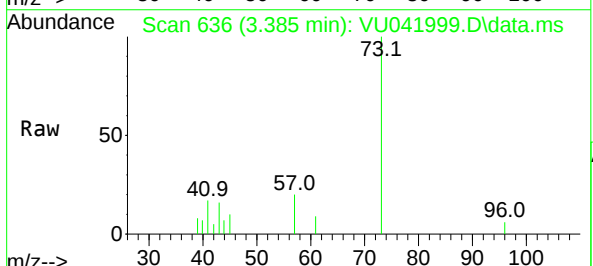
Instrument :
MSVOA_U
ClientSampleId :

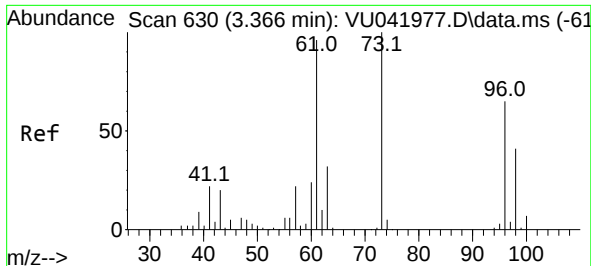
Tgt Ion: 43 Resp: 2987
Ion Ratio Lower Upper
43 100
58 20.2 0.0 57.4



#17
Methyl tert-butyl Ether
Concen: 0.19 ug/L
RT: 3.385 min Scan# 636
Delta R.T. 0.006 min
Lab File: VU041999.D
Acq: 13 Jan 2021 23:04

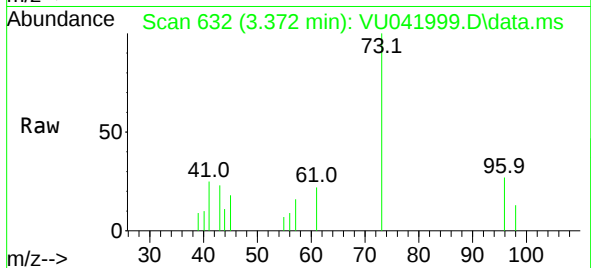
Tgt Ion: 73 Resp: 4641
Ion Ratio Lower Upper
73 100
43 19.6 15.1 22.7
57 17.7 18.0 27.0#



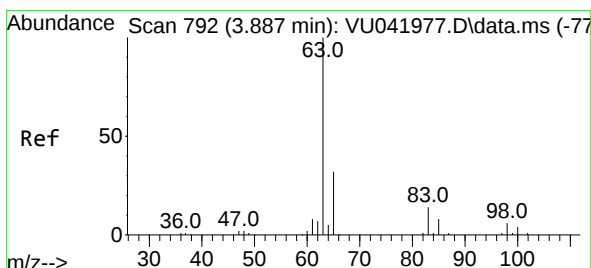
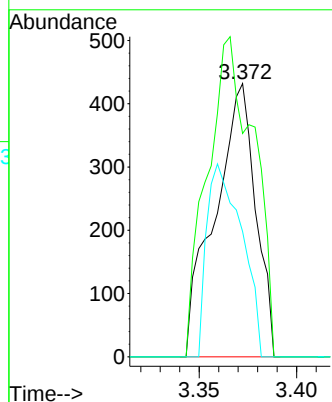
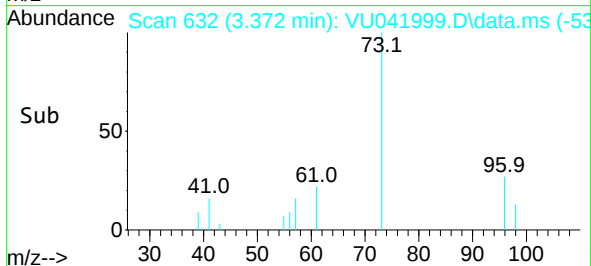


#18
trans-1,2-Dichloroethene
Concen: 0.07 ug/L
RT: 3.372 min Scan# 632
Delta R.T. 0.006 min
Lab File: VU041999.D
Acq: 13 Jan 2021 23:04

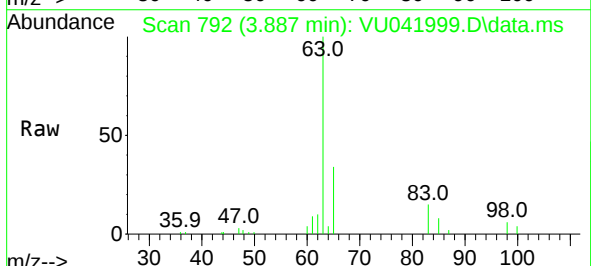
Instrument :
MSVOA_U
ClientSampled :



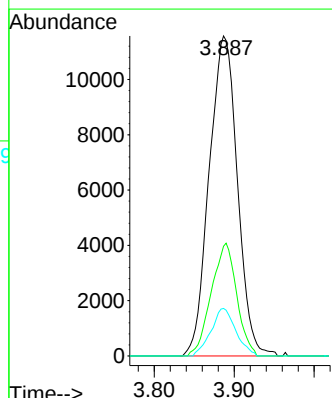
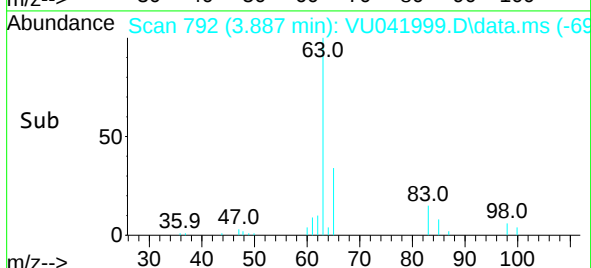
Tgt Ion: 96 Resp: 628
Ion Ratio Lower Upper
96 100
61 81.7 103.2 191.6#
98 45.8 43.8 81.3

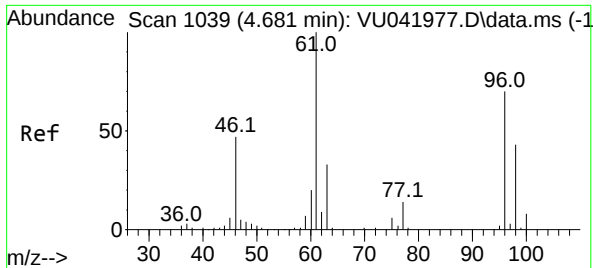


#19
1,1-Dichloroethane
Concen: 1.56 ug/L
RT: 3.887 min Scan# 792
Delta R.T. 0.000 min
Lab File: VU041999.D
Acq: 13 Jan 2021 23:04



Tgt Ion: 63 Resp: 28351
Ion Ratio Lower Upper
63 100
65 34.3 22.7 42.1
83 14.9 9.4 17.6

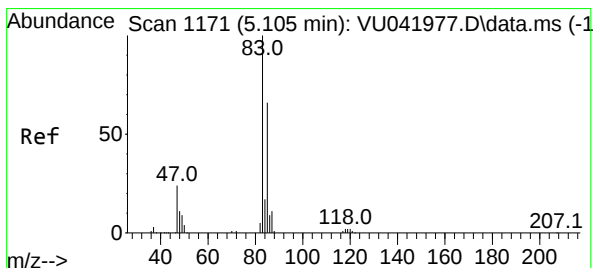
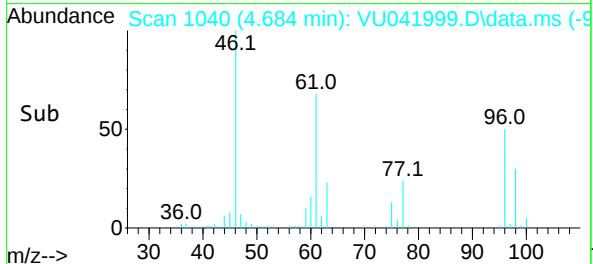
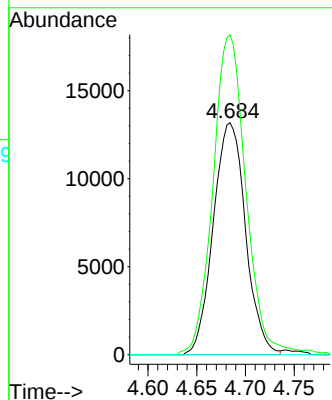
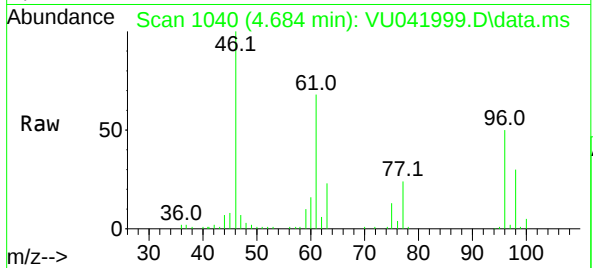




#22
 cis-1,2-Dichloroethene
 Concen: 3.14 ug/L
 RT: 4.684 min Scan# 1040
 Delta R.T. 0.003 min
 Lab File: VU041999.D
 Acq: 13 Jan 2021 23:04

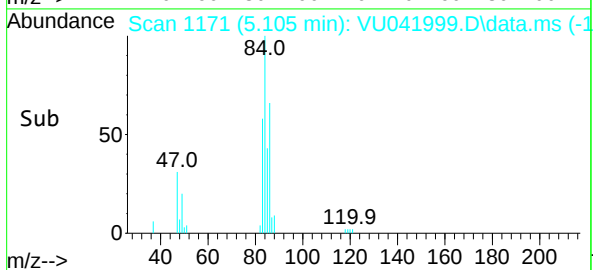
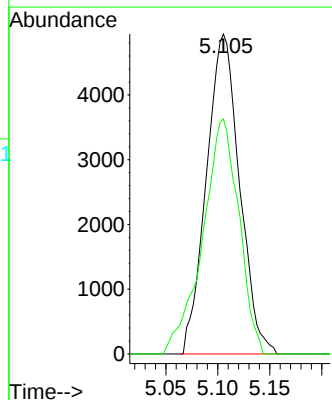
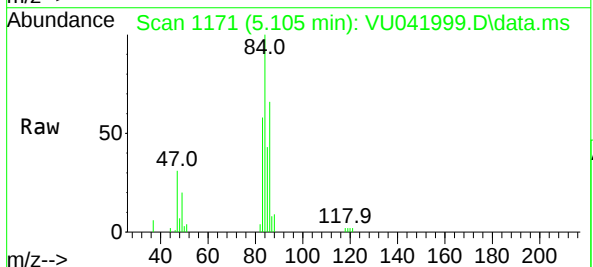
Instrument :
 MSVOA_U
 ClientSampled :

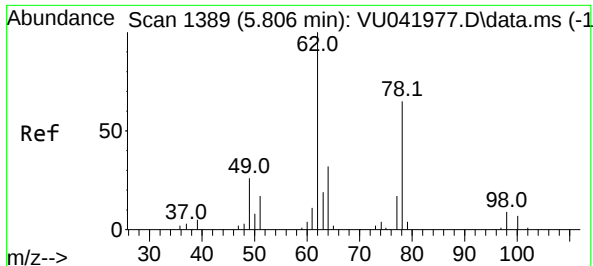
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 Ion Ratio Lower Upper
 96 100
 61 138.0 100.3 186.3
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.60 ug/L
 RT: 5.105 min Scan# 1171
 Delta R.T. 0.000 min
 Lab File: VU041999.D
 Acq: 13 Jan 2021 23:04

Tgt Ion: 83 Resp: 10958
 Ion Ratio Lower Upper
 83 100
 85 73.5 46.1 85.7





#27

1,2-Dichloroethane

Concen: 0.27 ug/L

RT: 5.806 min Scan# 1389

Delta R.T. 0.000 min

Lab File: VU041999.D

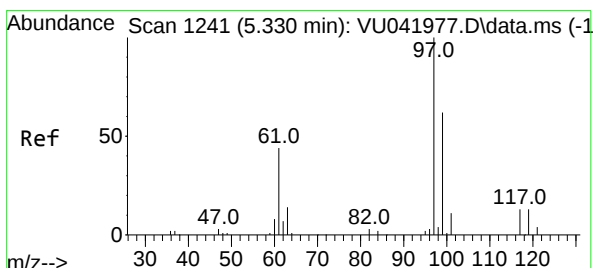
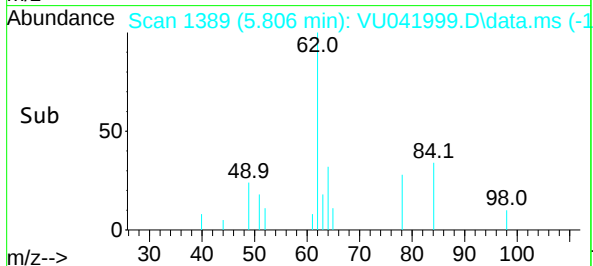
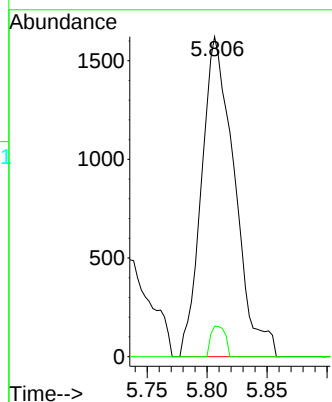
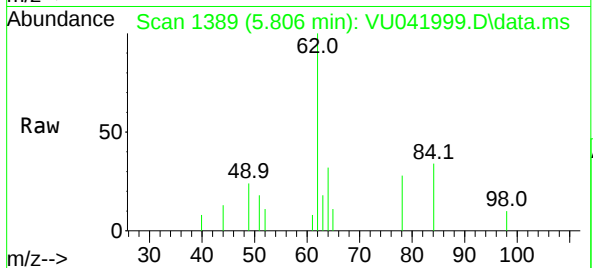
Acq: 13 Jan 2021 23:04

Tgt Ion: 62 Resp: 3095

Ion Ratio Lower Upper

62 100

98 9.6 7.1 10.7



#29

1,1,1-Trichloroethane

Concen: 0.59 ug/L

RT: 5.334 min Scan# 1242

Delta R.T. 0.003 min

Lab File: VU041999.D

Acq: 13 Jan 2021 23:04

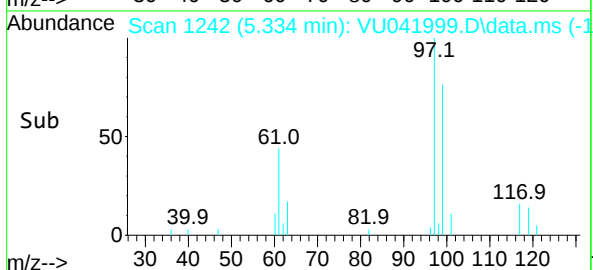
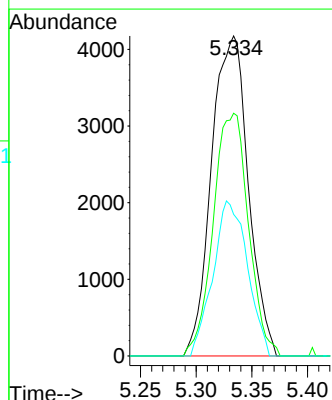
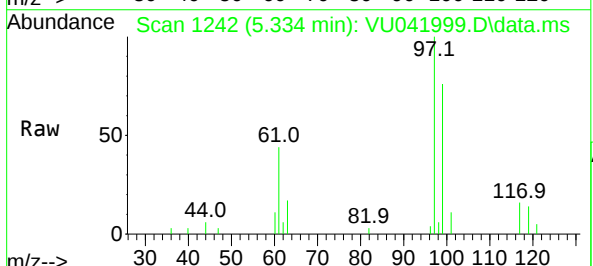
Tgt Ion: 97 Resp: 9604

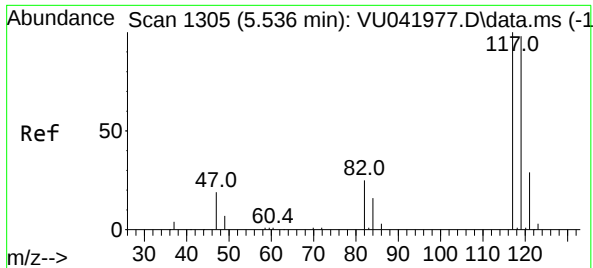
Ion Ratio Lower Upper

97 100

99 72.6 50.2 75.4

61 45.3 35.8 53.6

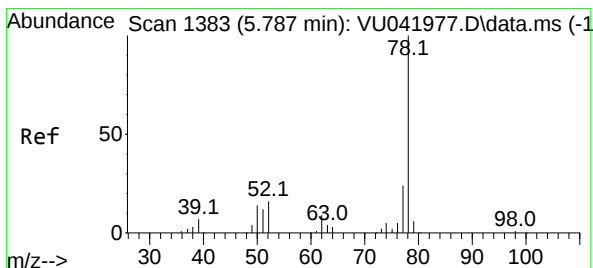
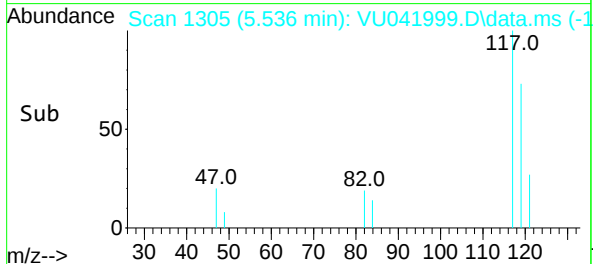
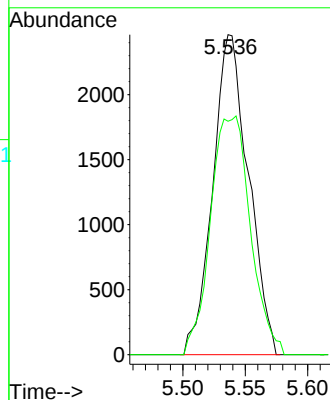
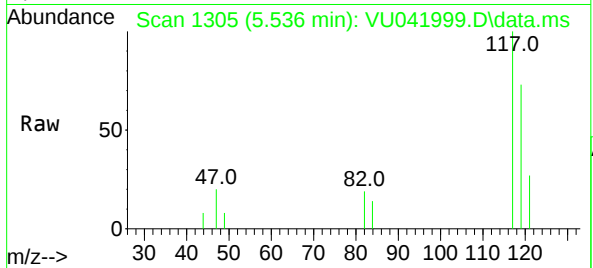




#31
Carbon tetrachloride
Concen: 0.35 ug/L
RT: 5.536 min Scan# 1305
Delta R.T. -0.003 min
Lab File: VU041999.D
Acq: 13 Jan 2021 23:04

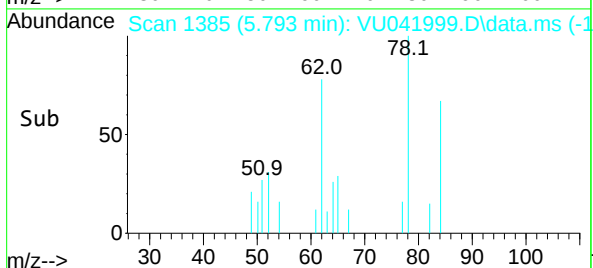
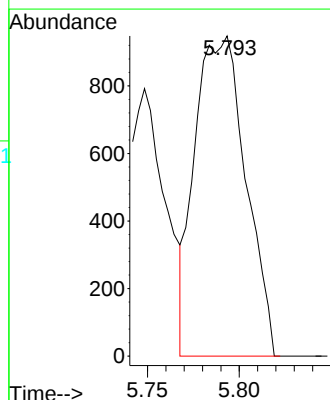
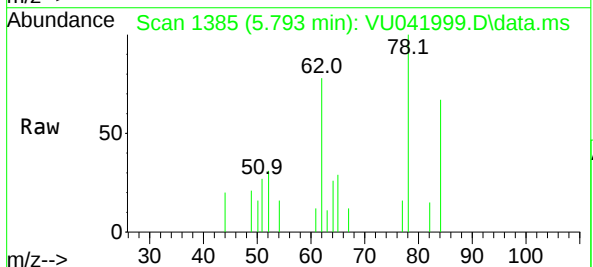
Instrument :
MSVOA_U
ClientSampleId :

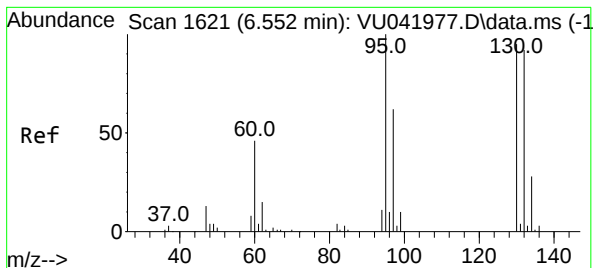
Tgt Ion:117 Resp: 4899
Ion Ratio Lower Upper
117 100
119 83.2 76.6 114.8



#33
Benzene
Concen: 0.04 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VU041999.D
Acq: 13 Jan 2021 23:04

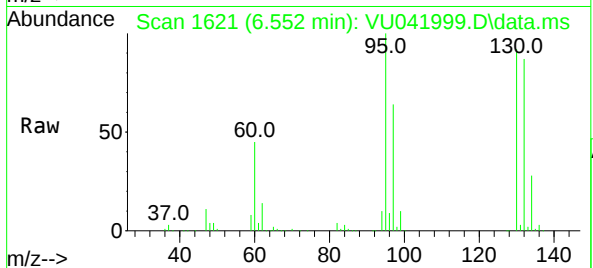
Tgt Ion: 78 Resp: 1821



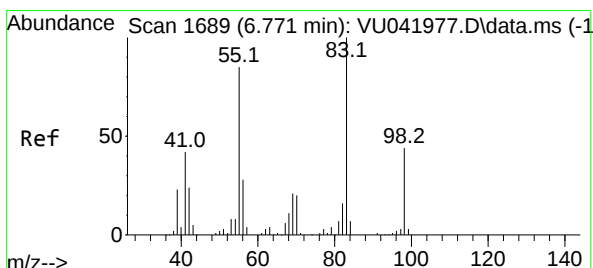
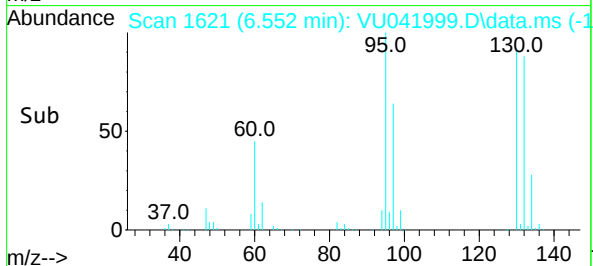
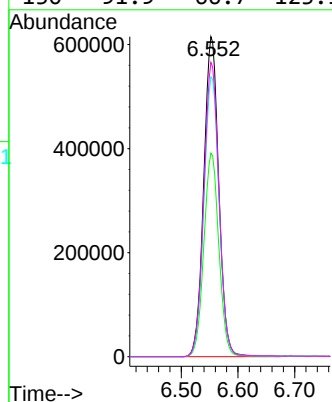


#34
Trichloroethene
Concen: 109.75 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VU041999.D
Acq: 13 Jan 2021 23:04

Instrument :
MSVOA_U
ClientSampleId :

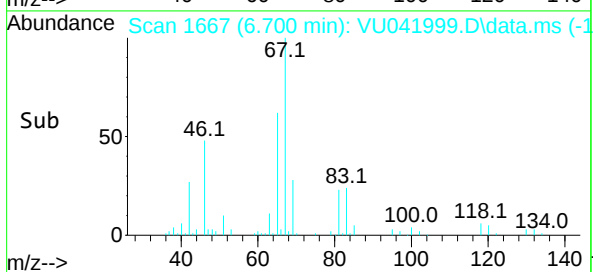
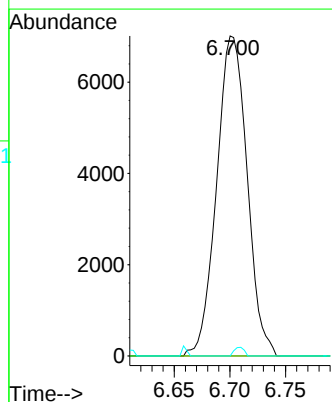
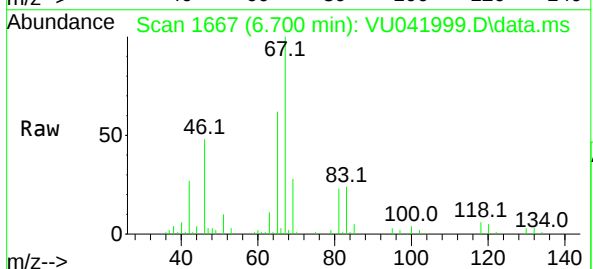


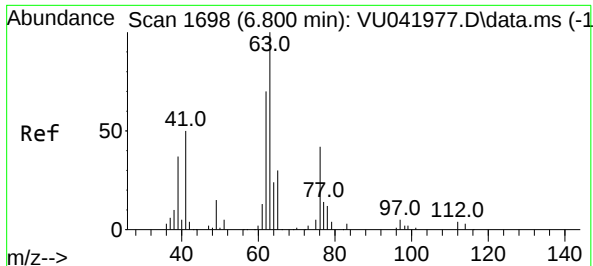
Tgt Ion: 95 Resp: 1134603
Ion Ratio Lower Upper
95 100
97 63.6 43.6 81.0
132 87.4 64.3 119.3
130 91.9 66.7 123.9



#35
Methylcyclohexane
Concen: 0.81 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.074 min
Lab File: VU041999.D
Acq: 13 Jan 2021 23:04

Tgt Ion: 83 Resp: 13361
Ion Ratio Lower Upper
83 100
55 0.0 66.8 100.2#
98 0.0 35.7 53.5#



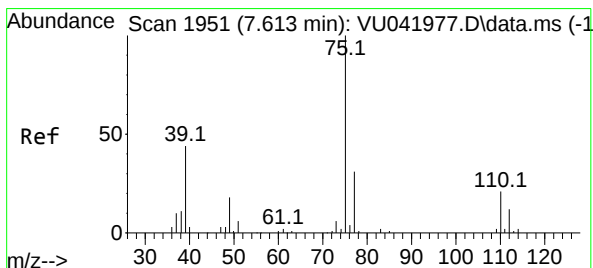
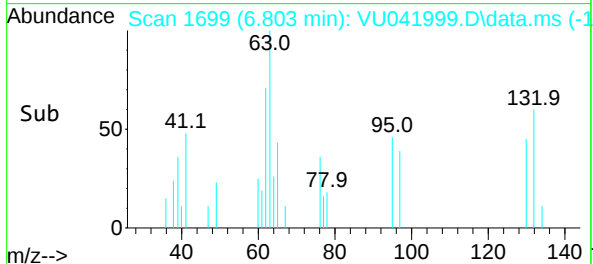
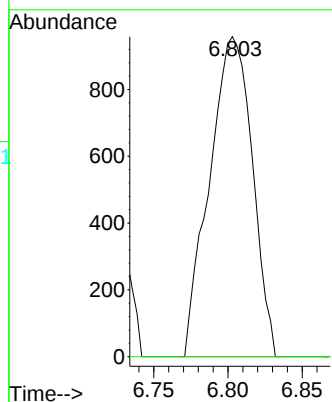
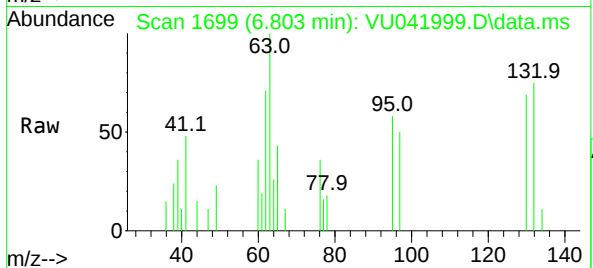


#37

1,2-Dichloropropane
Concen: 0.18 ug/L
RT: 6.803 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VU041999.D
Acq: 13 Jan 2021 23:04

Instrument :
MSVOA_U
ClientSampleId :

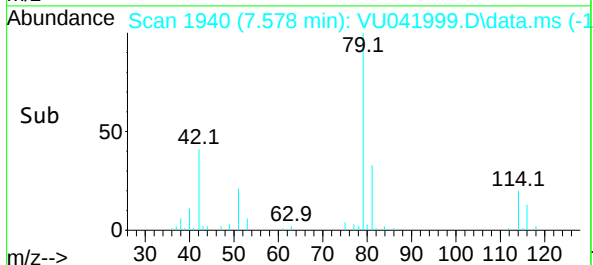
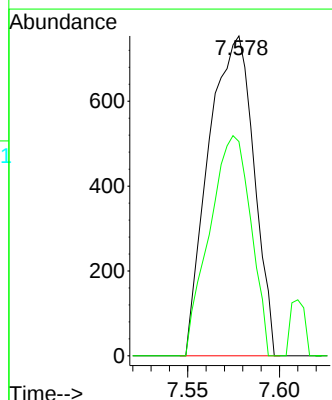
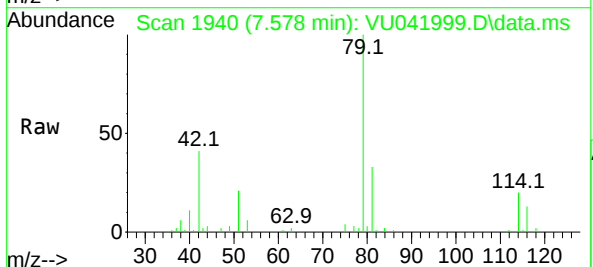
Tgt Ion: 63 Resp: 1924
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#

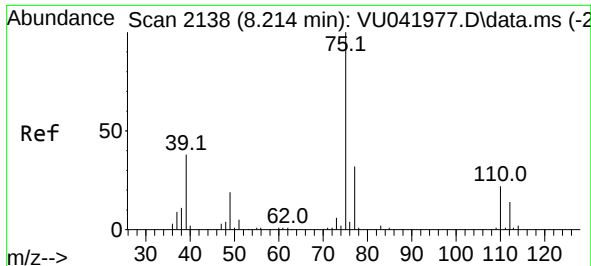


#39

cis-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 7.578 min Scan# 1940
Delta R.T. -0.035 min
Lab File: VU041999.D
Acq: 13 Jan 2021 23:04

Tgt Ion: 75 Resp: 1293
Ion Ratio Lower Upper
75 100
77 67.0 21.9 40.7#

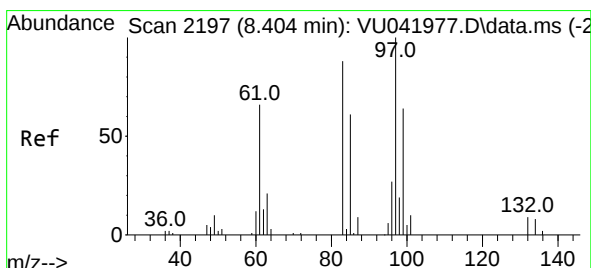
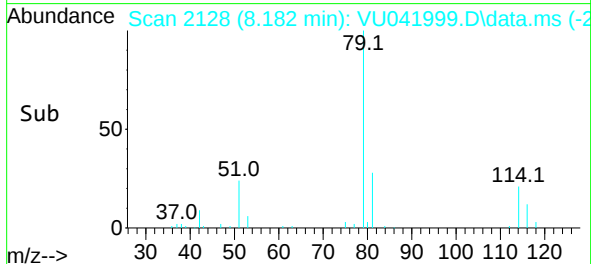
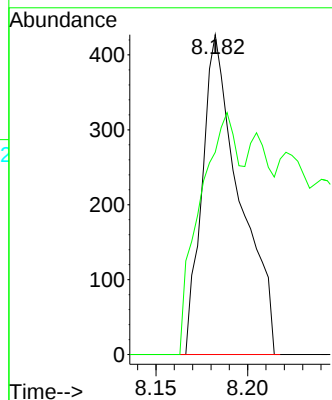
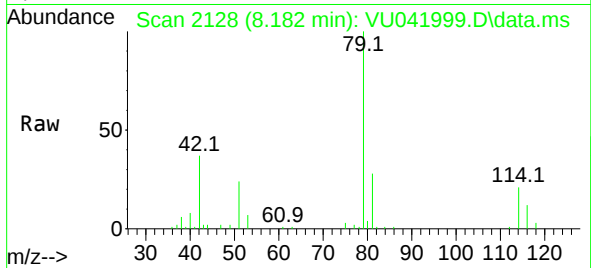




#44
trans-1,3-Dichloropropene
Concen: 0.04 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.035 min
Lab File: VU041999.D
Acq: 13 Jan 2021 23:04

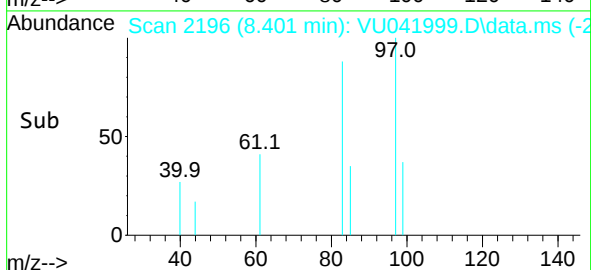
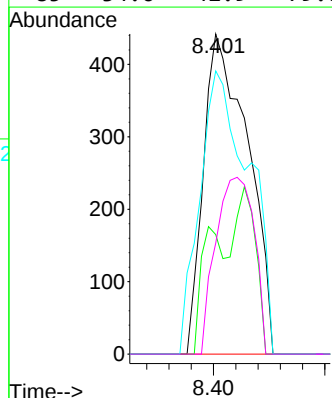
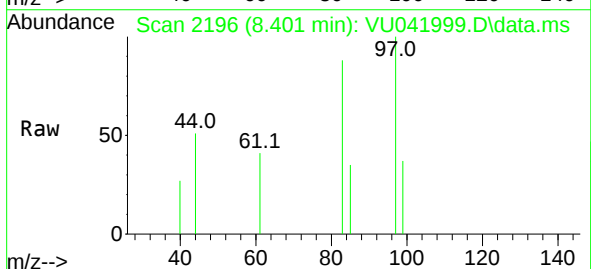
Instrument :
MSVOA_U
ClientSampled :

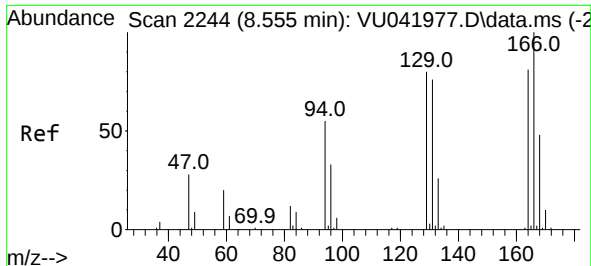
Tgt Ion: 75 Resp: 610
Ion Ratio Lower Upper
75 100
77 63.2 22.0 41.0#



#45
1,1,2-Trichloroethane
Concen: 0.08 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU041999.D
Acq: 13 Jan 2021 23:04

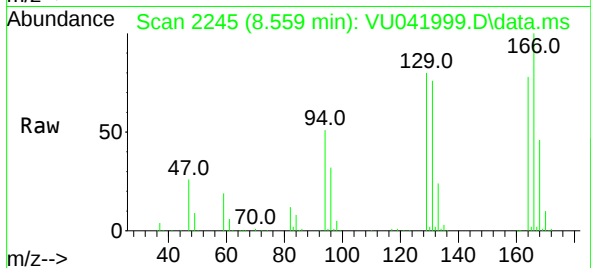
Tgt Ion: 97 Resp: 612
Ion Ratio Lower Upper
97 100
99 37.3 44.7 83.1#
83 88.5 61.6 114.4
85 34.6 42.9 79.7#





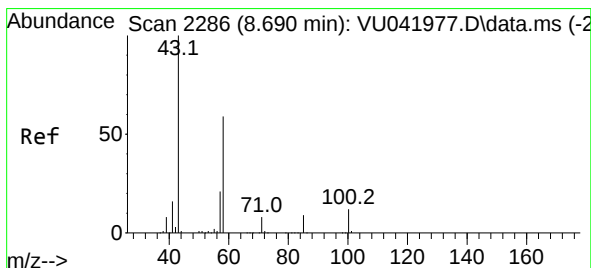
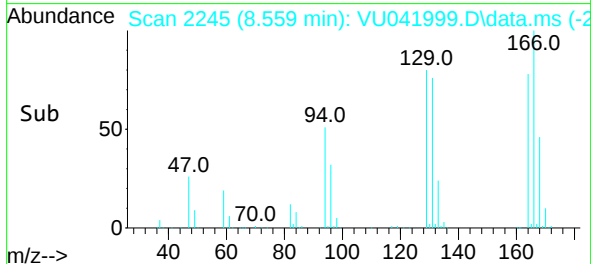
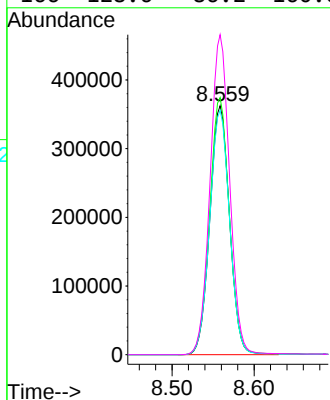
#47
Tetrachloroethene
Concen: 90.26 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU041999.D
Acq: 13 Jan 2021 23:04

Instrument :
MSVOA_U
ClientSampleId :

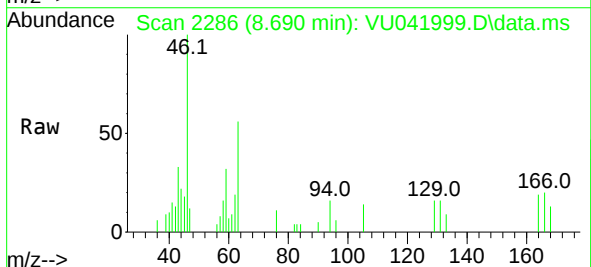


Tgt Ion:164 Resp: 604379

Ion	Ratio	Lower	Upper
164	100		
129	103.3	68.7	127.5
131	98.2	65.2	121.0
166	128.6	86.2	160.0

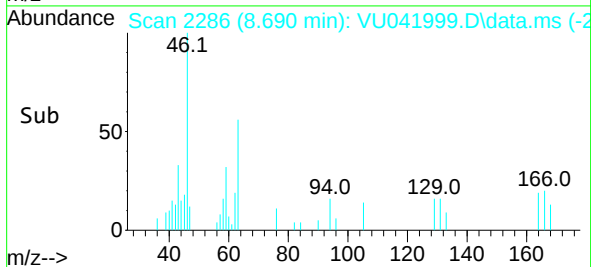
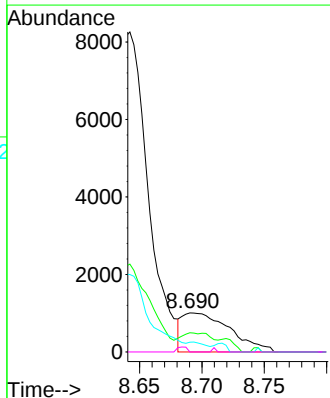


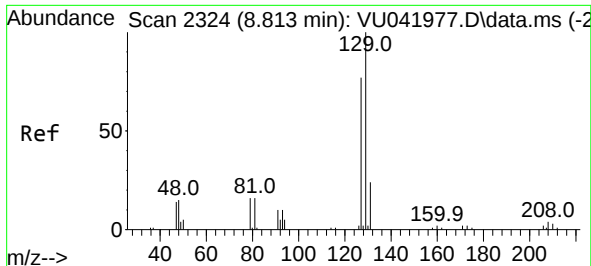
#48
2-Hexanone
Concen: 0.54 ug/L
RT: 8.690 min Scan# 2286
Delta R.T. 0.000 min
Lab File: VU041999.D
Acq: 13 Jan 2021 23:04



Tgt Ion: 43 Resp: 2695

Ion	Ratio	Lower	Upper
43	100		
58	13.5	47.8	71.8#
57	0.0	17.4	26.0#
100	2.6	9.5	14.3#





#49

Dibromochloromethane

Concen: 74.81 ug/L

RT: 8.559 min Scan# 2245

Delta R.T. -0.254 min

Lab File: VU041999.D

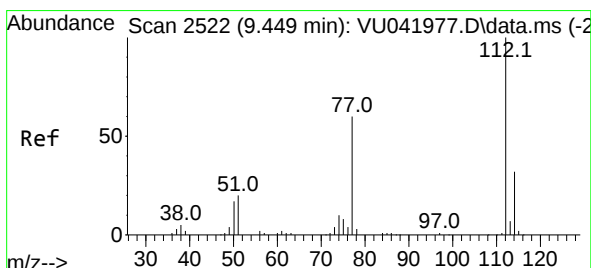
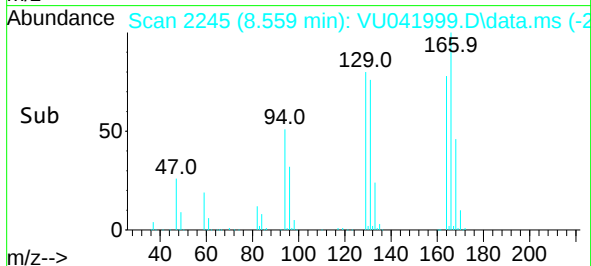
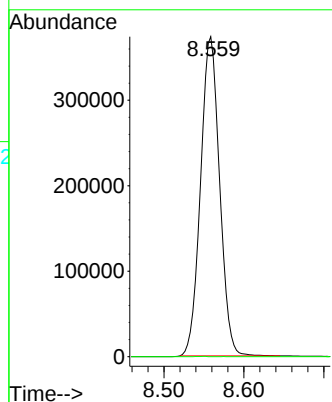
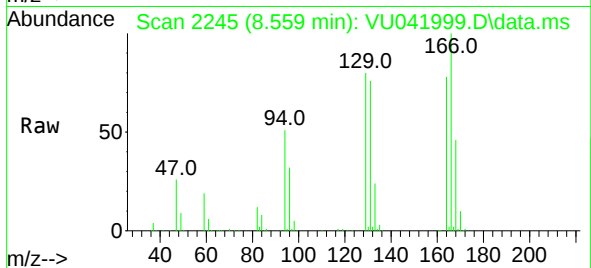
Acq: 13 Jan 2021 23:04

Tgt Ion:129 Resp: 619008

Ion Ratio Lower Upper

129 100
127 0.0 53.7 99.7#

Instrument :
MSVOA_U
ClientSampleId :



#51

Chlorobenzene

Concen: 0.10 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.003 min

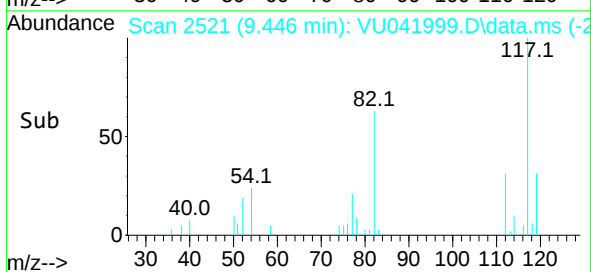
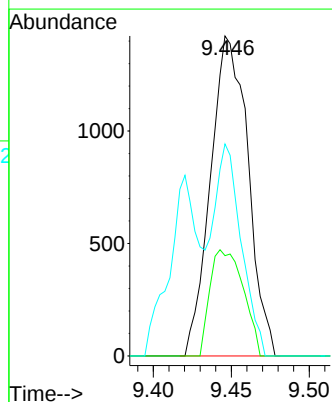
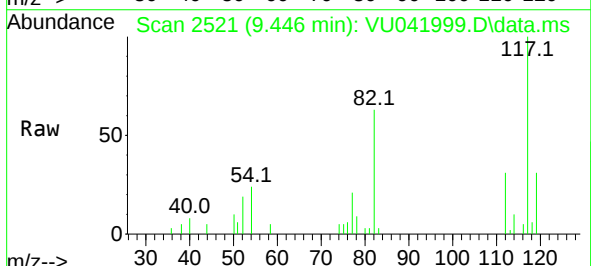
Lab File: VU041999.D

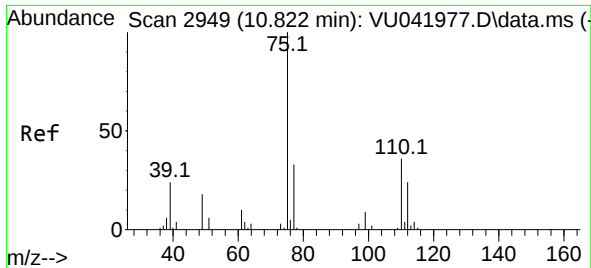
Acq: 13 Jan 2021 23:04

Tgt Ion:112 Resp: 2376

Ion Ratio Lower Upper

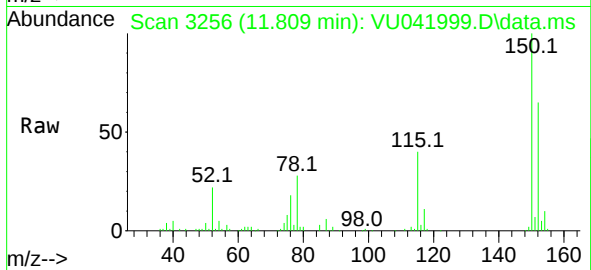
112 100
114 31.3 22.3 41.3
77 66.3 48.2 72.4





#59
 1,2,3-Trichloropropane
 Concen: 0.72 ug/L
 RT: 11.809 min Scan# 3256
 Delta R.T. 0.987 min
 Lab File: VU041999.D
 Acq: 13 Jan 2021 23:04

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 5110
 Ion Ratio Lower Upper
 75 100
 77 39.6 25.6 38.4#

