

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051521\
 Data File : VU043778.D
 Acq On : 15 May 2021 00:40
 Operator : SY/MD
 Sample : M2380-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG6M3

Quant Time: May 15 01:21:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 15 00:49:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	228322	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.424	117	227423	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	104126	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	82495	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.919	69	61608	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.80%
11) 1,1-Dichloroethene-d2	2.575	65	35654	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.20%
20) 2-Butanone-d5	4.646	46	154389	48.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.46%
24) Chloroform-d	5.073	84	138409	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.713	65	71934	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.736	84	290212	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.700	67	92472	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.906	98	247770	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloroprop...	8.186	79	31920	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.642	63	153230	49.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.58%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	73238	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
66) 1,2-Dichlorobenzene-d4	12.198	152	91844	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	55374	2.86	ug/L	97
17) Methyl tert-butyl Ether	3.376	73	4390	0.13	ug/L #	1
18) trans-1,2-Dichloroethene	3.366	96	5190	0.33	ug/L	98
19) 1,1-Dichloroethane	3.880	63	119785	4.19	ug/L	99
22) cis-1,2-Dichloroethene	4.678	96	152950	9.19	ug/L	99
25) Chloroform	5.099	83	67865	2.40	ug/L	96
27) 1,2-Dichloroethane	5.806	62	11640	0.67	ug/L	98
29) 1,1,1-Trichloroethane	5.327	97	34163	1.44	ug/L	99
30) Cyclohexane	5.395	56	4006	0.15	ug/L	93
33) Benzene	5.784	78	23148	0.35	ug/L	100
34) Trichloroethene	6.549	95	7017	0.42	ug/L	91
45) 1,1,2-Trichloroethane	8.407	97	5823	0.47	ug/L	93
51) Chlorobenzene	9.452	112	35249	0.82	ug/L	100
54) o-Xylene	10.105	106	3160	0.12	ug/L	99
64) 1,3-Dichlorobenzene	11.751	146	5110	0.17	ug/L	94
65) 1,4-Dichlorobenzene	11.841	146	8154	0.28	ug/L	95
67) 1,2-Dichlorobenzene	12.221	146	3455	0.12	ug/L #	91
70) 1,2,4-trichlorobenzene	13.848	180	5415	0.28	ug/L	96
72) 1,2,3-Trichlorobenzene	14.336	180	3348	0.18	ug/L	94

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Quant Time: May 15 01:21:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051521WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat May 15 00:49:19 2021
Response via : Initial Calibration

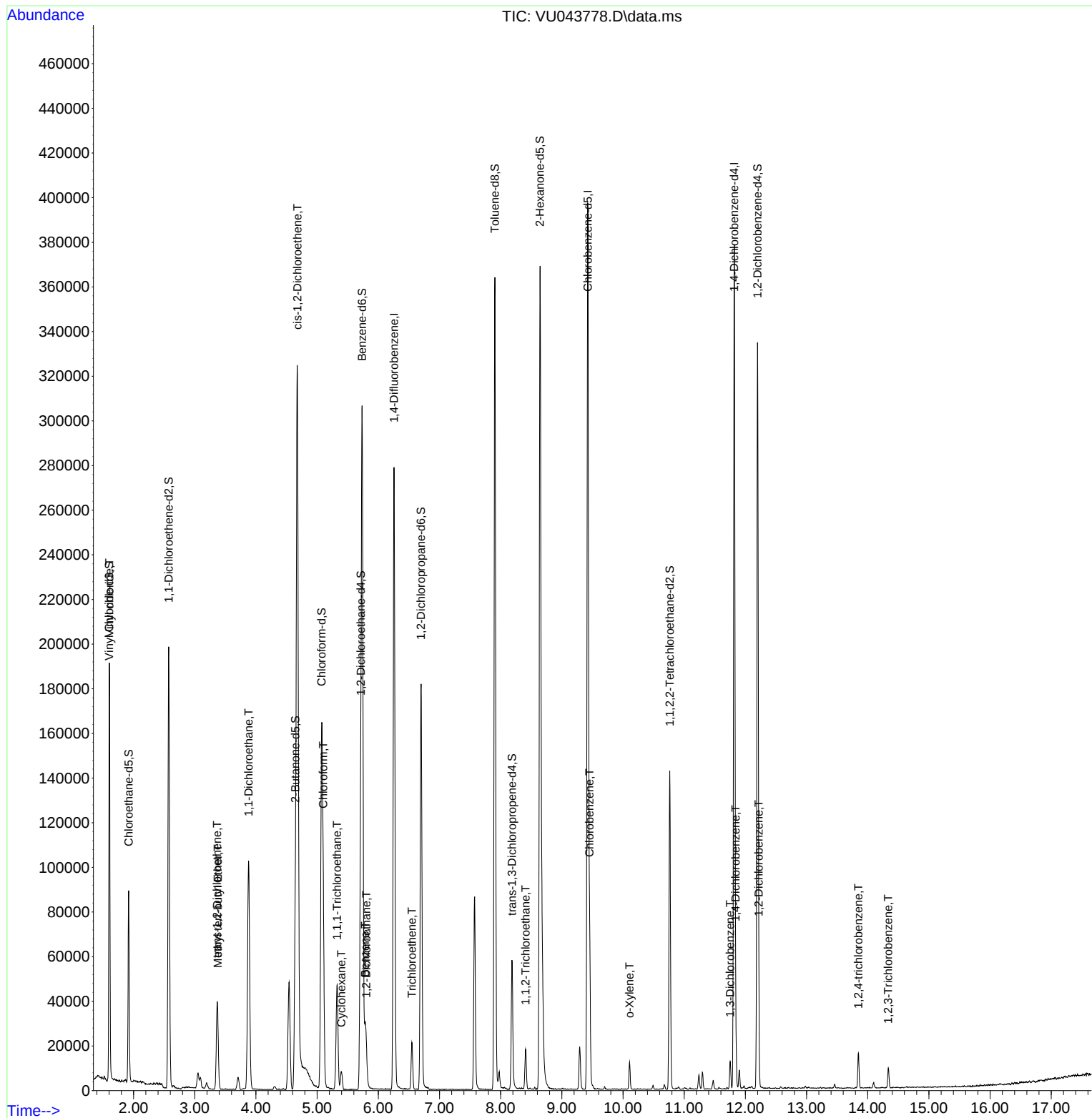
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

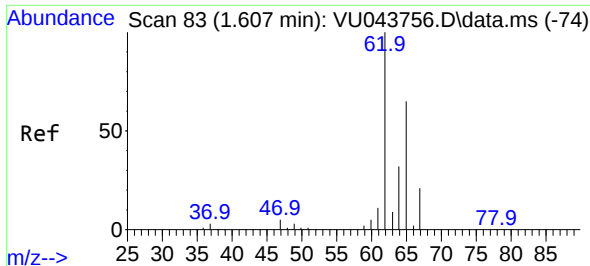
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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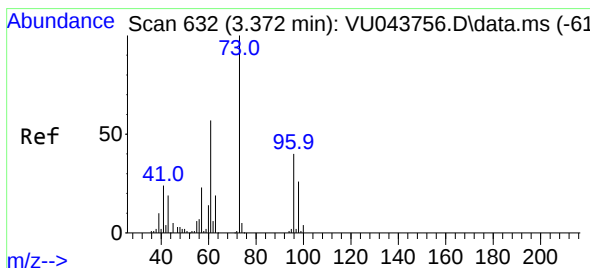
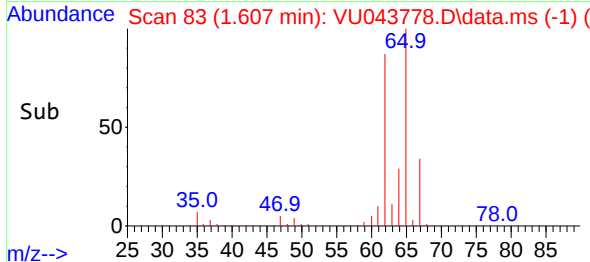
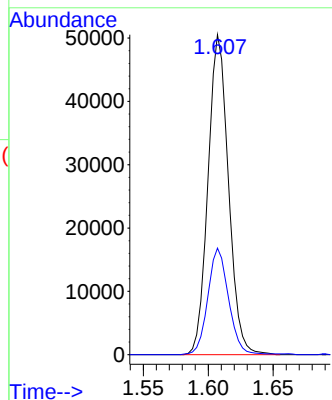
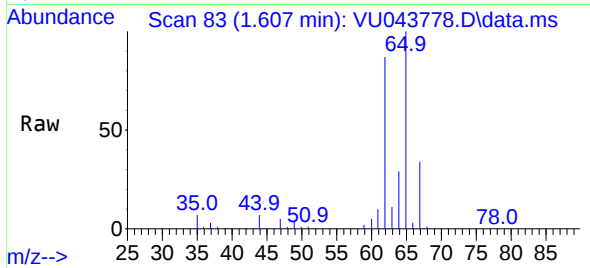




#5
 Vinyl chloride
 Concen: 2.86 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU043778.D
 Acq: 15 May 2021 00:40

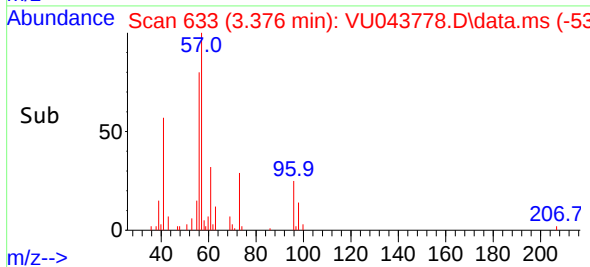
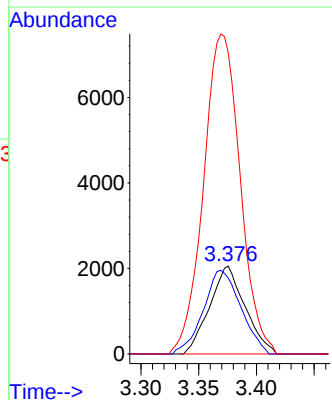
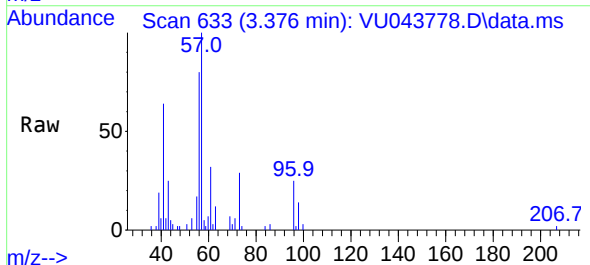
Instrument :
 MSVOA_U
 ClientSampleId :
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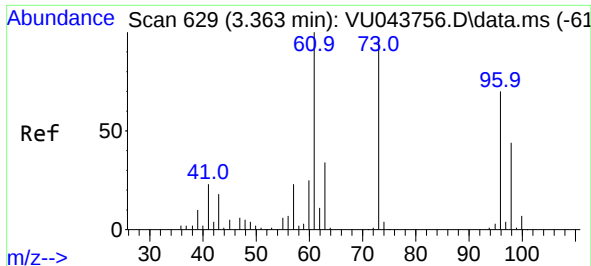
Tgt Ion: 62 Resp: 55374
 Ion Ratio Lower Upper
 62 100
 64 33.3 22.1 41.1



#17
 Methyl tert-butyl Ether
 Concen: 0.13 ug/L
 RT: 3.376 min Scan# 633
 Delta R.T. 0.003 min
 Lab File: VU043778.D
 Acq: 15 May 2021 00:40

Tgt Ion: 73 Resp: 4390
 Ion Ratio Lower Upper
 73 100
 43 100.6 15.0 22.4#
 57 375.5 18.6 27.8#

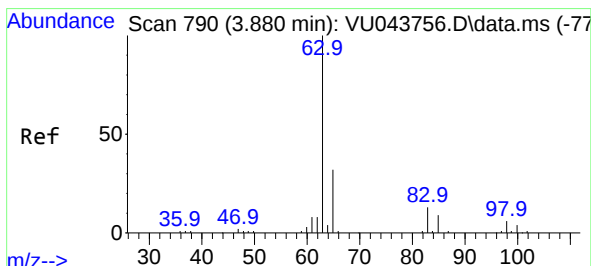
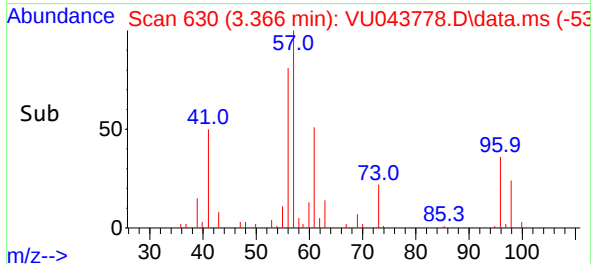
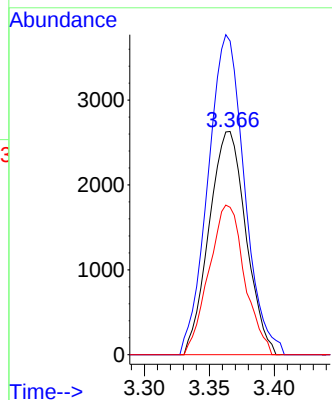
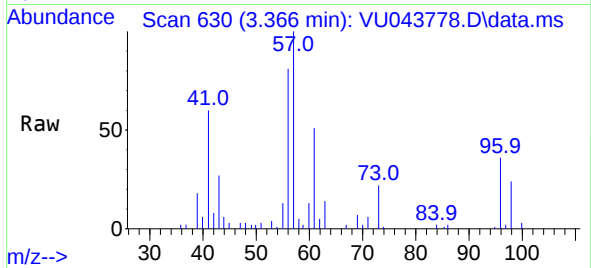




#18
trans-1,2-Dichloroethene
Concen: 0.33 ug/L
RT: 3.366 min Scan# 630
Delta R.T. 0.003 min
Lab File: VU043778.D
Acq: 15 May 2021 00:40

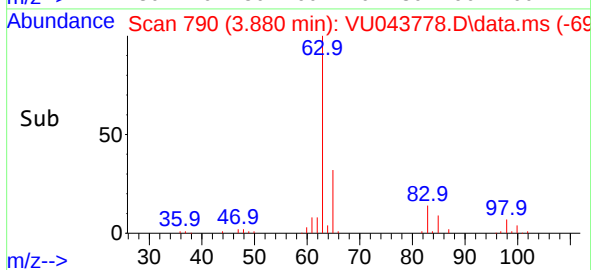
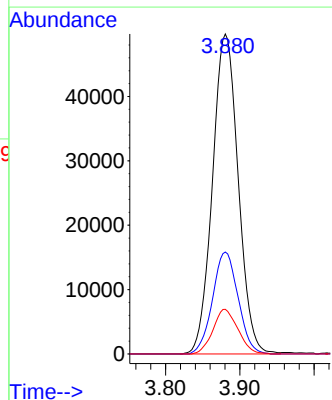
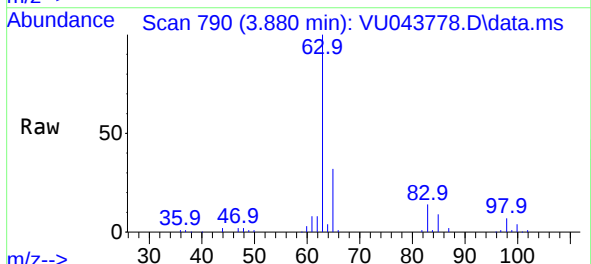
Instrument :
MSVOA_U
ClientSampleId :
BG6M3

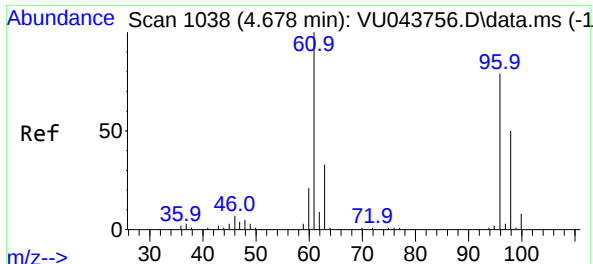
Tgt Ion: 96 Resp: 5190
Ion Ratio Lower Upper
96 100
61 140.5 99.6 185.0
98 66.0 43.8 81.4



#19
1,1-Dichloroethane
Concen: 4.19 ug/L
RT: 3.880 min Scan# 790
Delta R.T. 0.000 min
Lab File: VU043778.D
Acq: 15 May 2021 00:40

Tgt Ion: 63 Resp: 119785
Ion Ratio Lower Upper
63 100
65 31.8 22.3 41.3
83 13.9 9.0 16.8

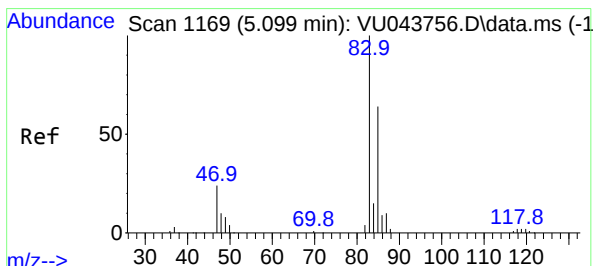
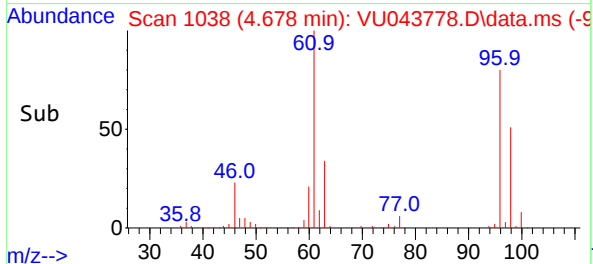
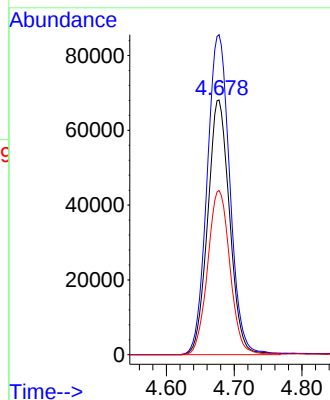
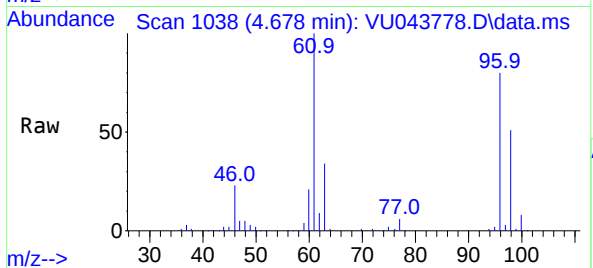




#22
cis-1,2-Dichloroethene
Concen: 9.19 ug/L
RT: 4.678 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VU043778.D
Acq: 15 May 2021 00:40

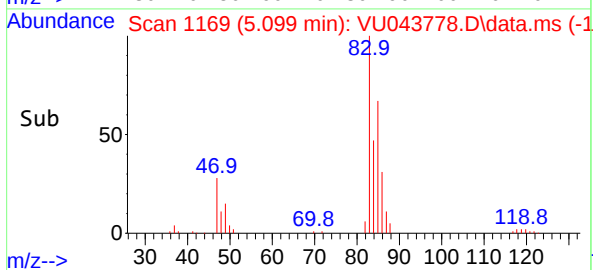
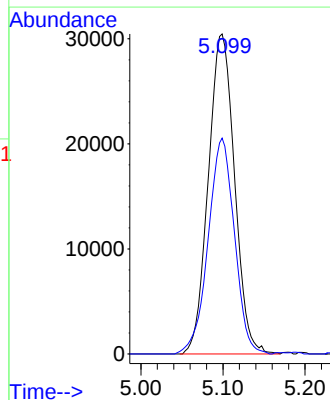
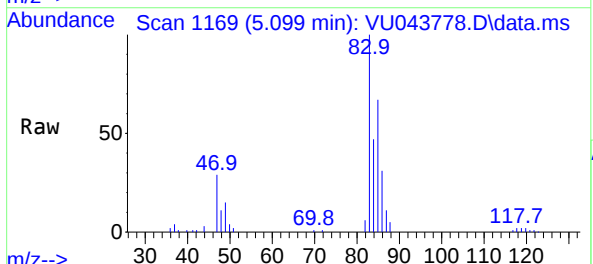
Instrument :
MSVOA_U
ClientSampleId :
BG6M3

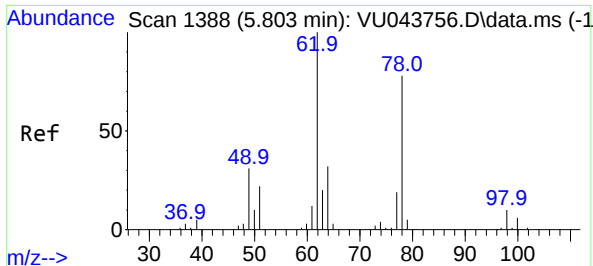
Tgt Ion: 96 Resp: 152950
Ion Ratio Lower Upper
96 100
61 125.6 89.0 165.4
98 64.4 44.9 83.3



#25
Chloroform
Concen: 2.40 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VU043778.D
Acq: 15 May 2021 00:40

Tgt Ion: 83 Resp: 67865
Ion Ratio Lower Upper
83 100
85 67.4 45.0 83.6

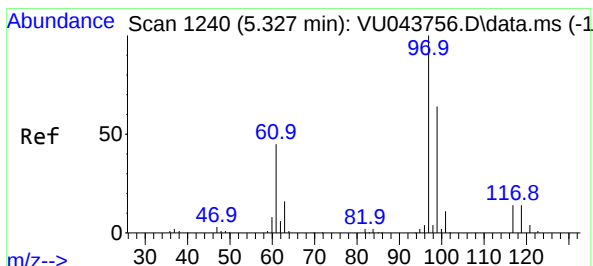
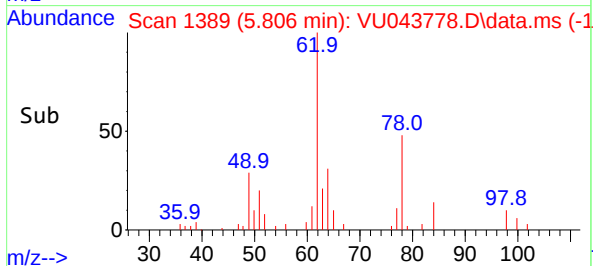
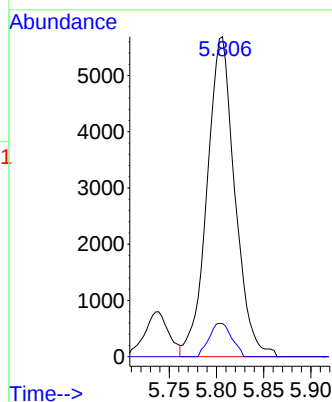
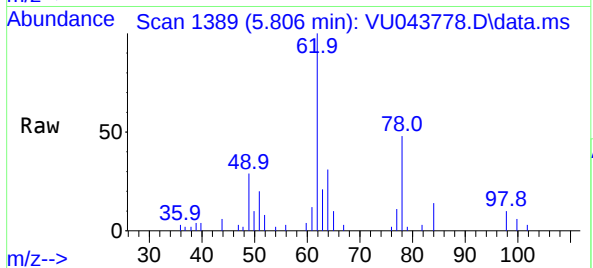




#27
1,2-Dichloroethane
Concen: 0.67 ug/L
RT: 5.806 min Scan# 1389
Delta R.T. 0.003 min
Lab File: VU043778.D
Acq: 15 May 2021 00:40

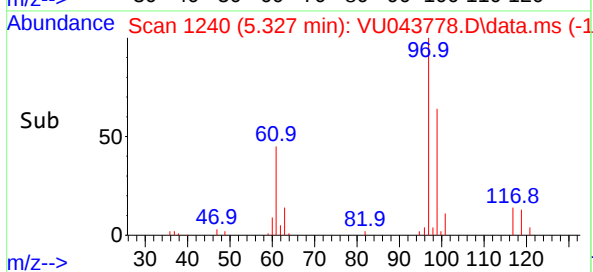
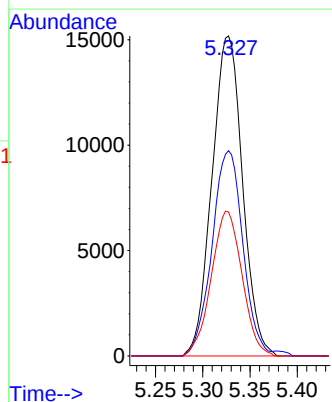
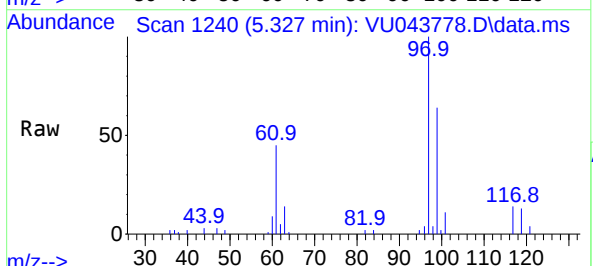
Instrument :
MSVOA_U
ClientSampled :
BG6M3

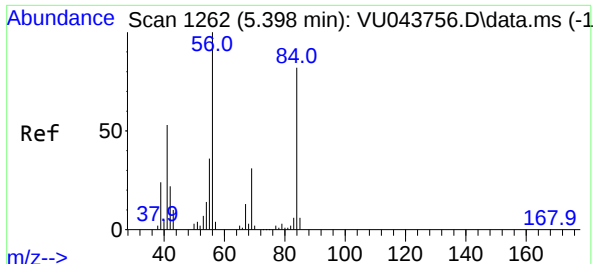
Tgt Ion: 62 Resp: 11640
Ion Ratio Lower Upper
62 100
98 10.3 7.7 11.5



#29
1,1,1-Trichloroethane
Concen: 1.44 ug/L
RT: 5.327 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VU043778.D
Acq: 15 May 2021 00:40

Tgt Ion: 97 Resp: 34163
Ion Ratio Lower Upper
97 100
99 64.6 51.1 76.7
61 45.5 37.0 55.4

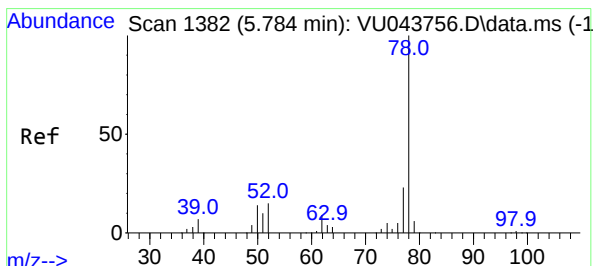
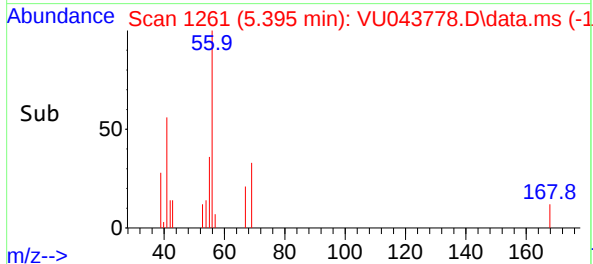
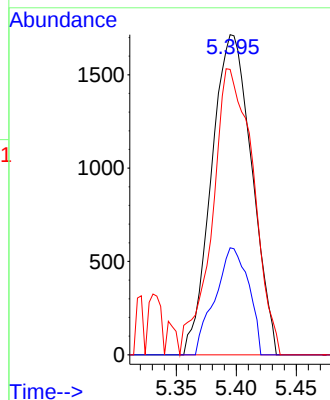
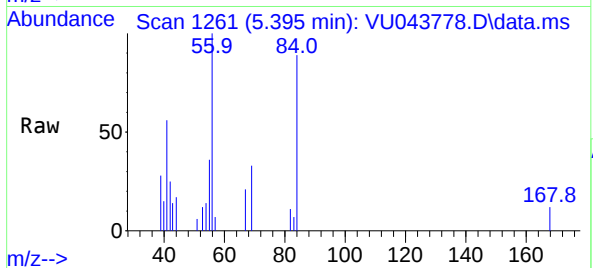




#30
Cyclohexane
Concen: 0.15 ug/L
RT: 5.395 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VU043778.D
Acq: 15 May 2021 00:40

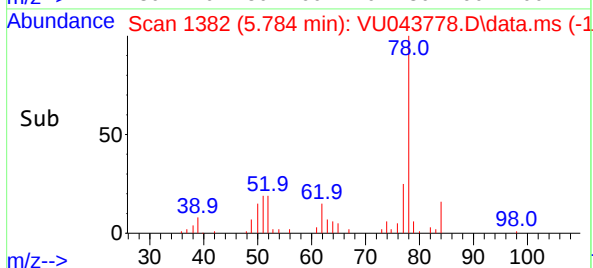
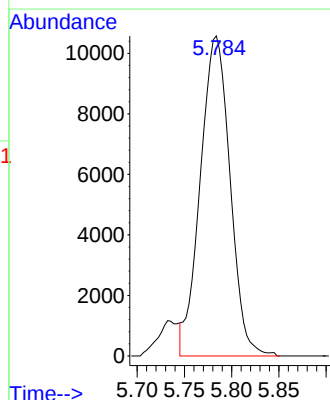
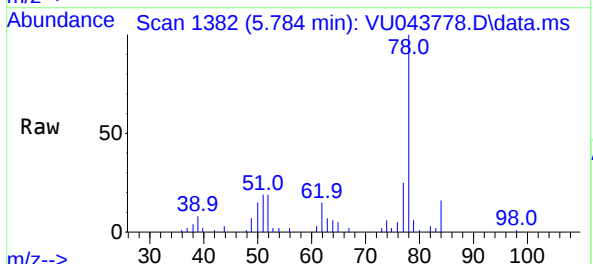
Instrument :
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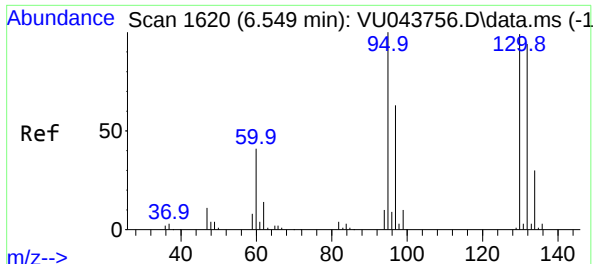
Tgt Ion: 56 Resp: 4006
Ion Ratio Lower Upper
56 100
69 27.7 24.8 37.2
84 90.4 66.8 100.2



#33
Benzene
Concen: 0.35 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VU043778.D
Acq: 15 May 2021 00:40

Tgt Ion: 78 Resp: 23148



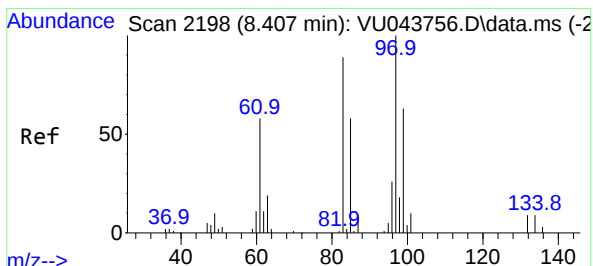
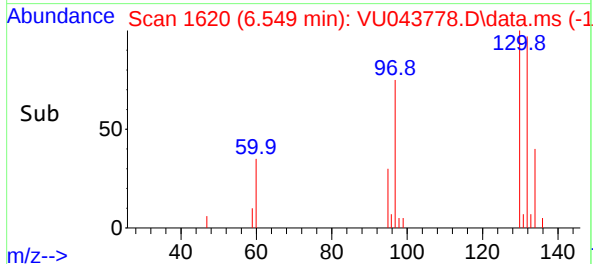
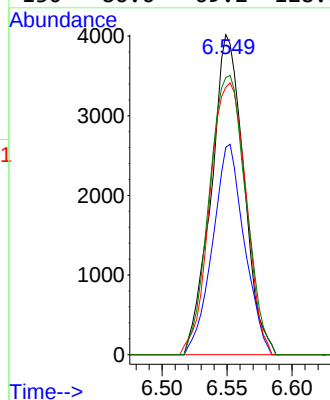
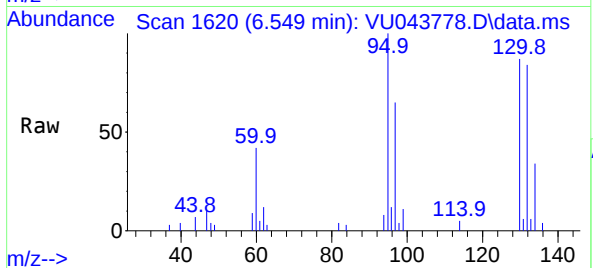


#34
Trichloroethene
Concen: 0.42 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VU043778.D
Acq: 15 May 2021 00:40

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 95 Resp: 7017

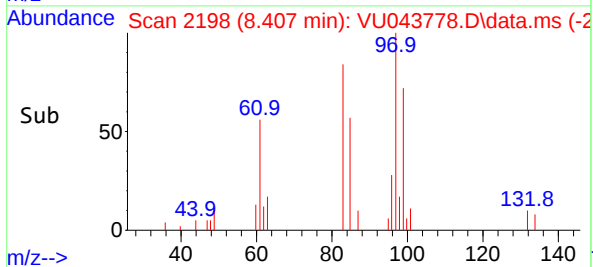
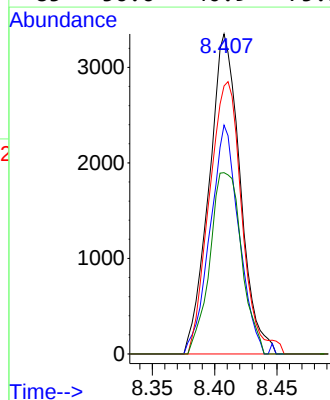
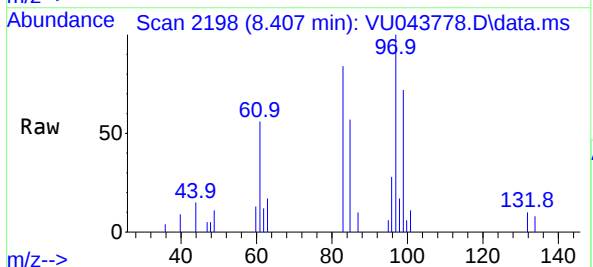
Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.3	82.3
132	83.6	66.0	122.6
130	86.6	69.2	128.6

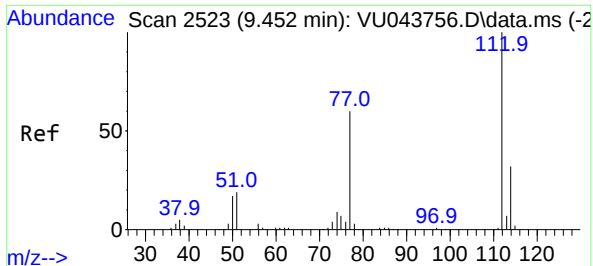


#45
1,1,2-Trichloroethane
Concen: 0.47 ug/L
RT: 8.407 min Scan# 2198
Delta R.T. 0.000 min
Lab File: VU043778.D
Acq: 15 May 2021 00:40

Tgt Ion: 97 Resp: 5823

Ion	Ratio	Lower	Upper
97	100		
99	71.5	43.8	81.4
83	83.8	62.5	116.1
85	56.6	40.9	75.9

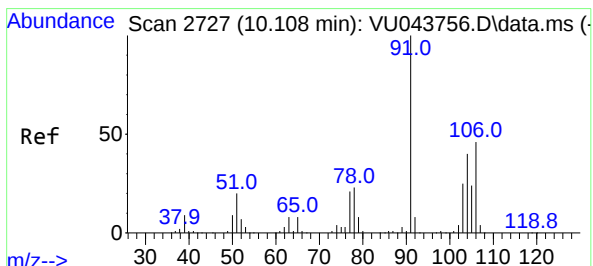
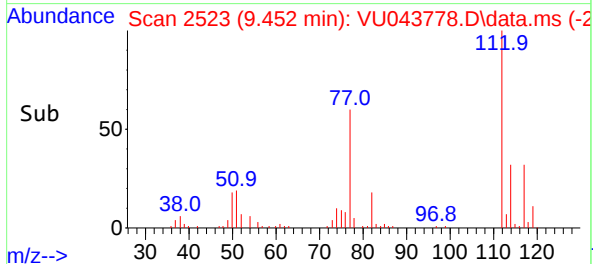
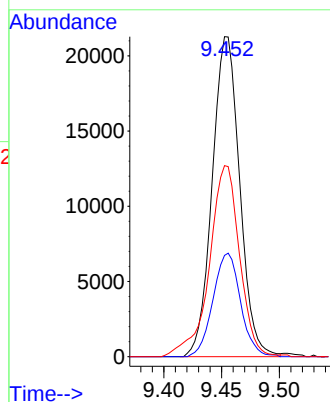
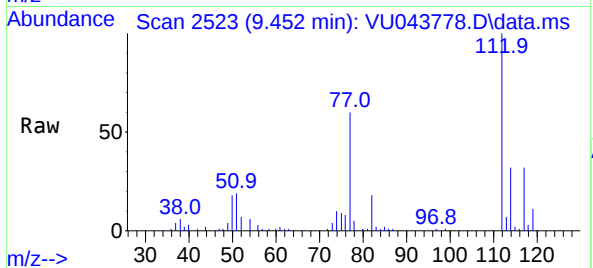




#51
Chlorobenzene
Concen: 0.82 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. 0.000 min
Lab File: VU043778.D
Acq: 15 May 2021 00:40

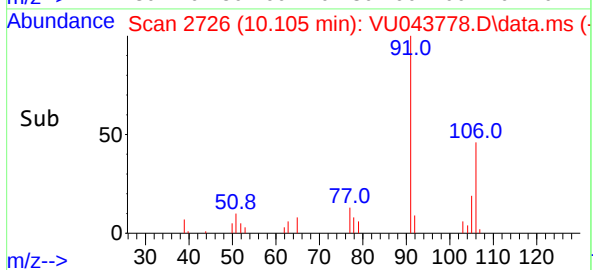
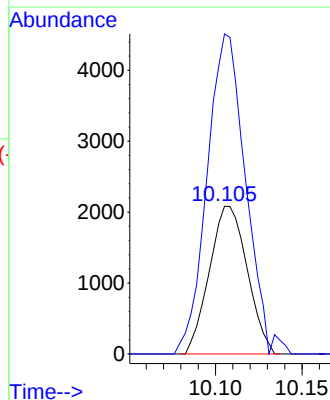
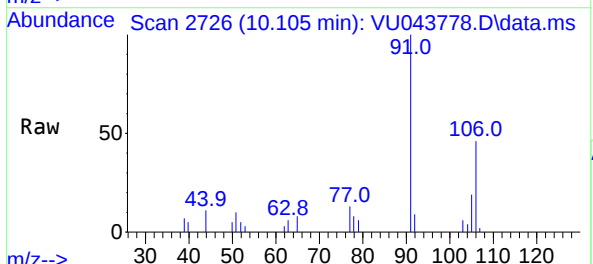
Instrument :
MSVOA_U
ClientSampleId :
BG6M3

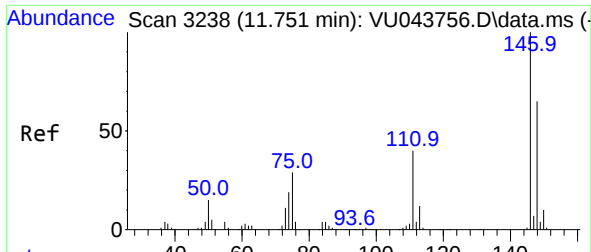
Tgt Ion:112 Resp: 35249
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.5
77 59.7 47.8 71.8



#54
o-Xylene
Concen: 0.12 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU043778.D
Acq: 15 May 2021 00:40

Tgt Ion:106 Resp: 3160
Ion Ratio Lower Upper
106 100
91 216.7 150.8 280.0

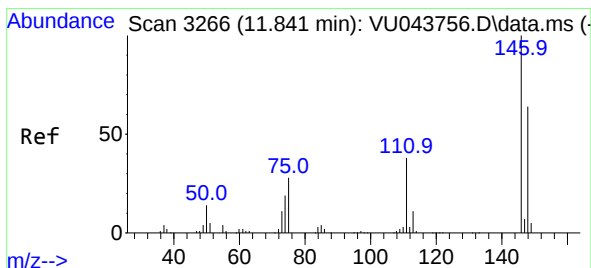
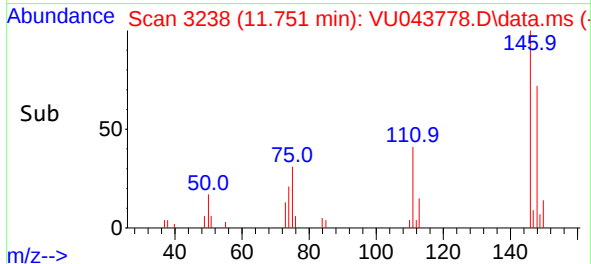
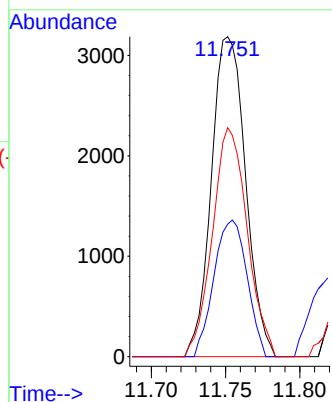
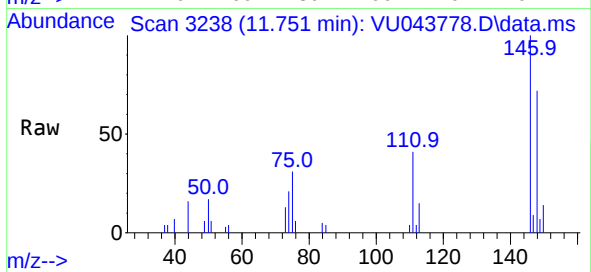




#64
1,3-Dichlorobenzene
Concen: 0.17 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. 0.000 min
Lab File: VU043778.D
Acq: 15 May 2021 00:40

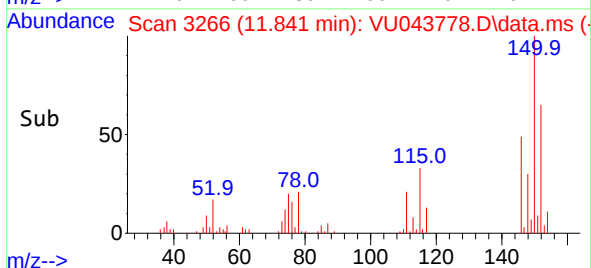
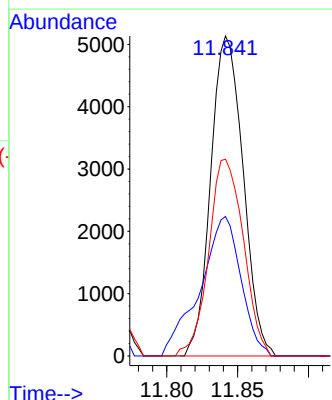
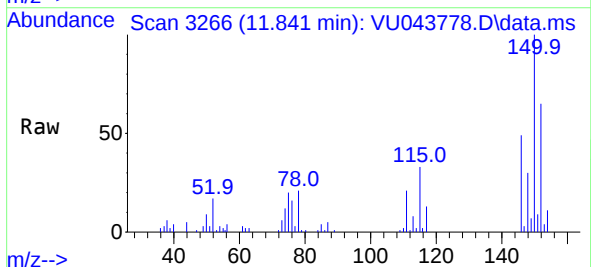
Instrument :
MSVOA_U
ClientSampled :
BG6M3

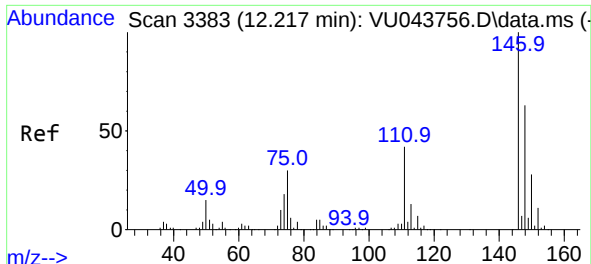
Tgt Ion:146 Resp: 5110
Ion Ratio Lower Upper
146 100
111 41.4 28.1 52.1
148 71.6 45.6 84.6



#65
1,4-Dichlorobenzene
Concen: 0.28 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU043778.D
Acq: 15 May 2021 00:40

Tgt Ion:146 Resp: 8154
Ion Ratio Lower Upper
146 100
111 43.6 27.0 50.2
148 61.5 45.0 83.6

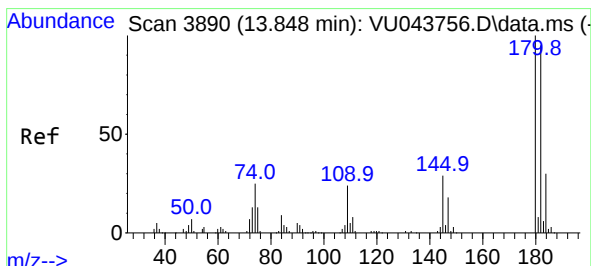
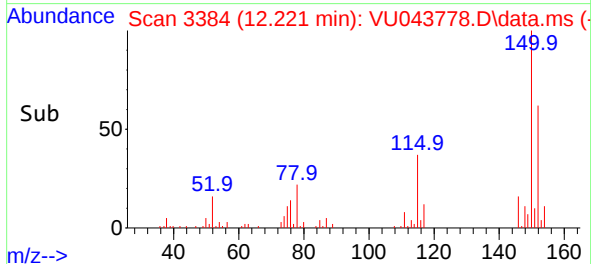
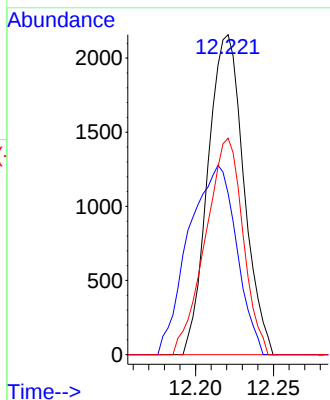
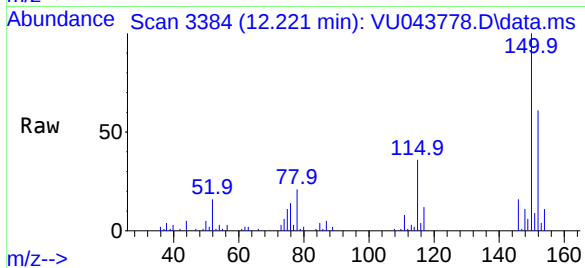




#67
1,2-Dichlorobenzene
Concen: 0.12 ug/L
RT: 12.221 min Scan# 3384
Delta R.T. 0.003 min
Lab File: VU043778.D
Acq: 15 May 2021 00:40

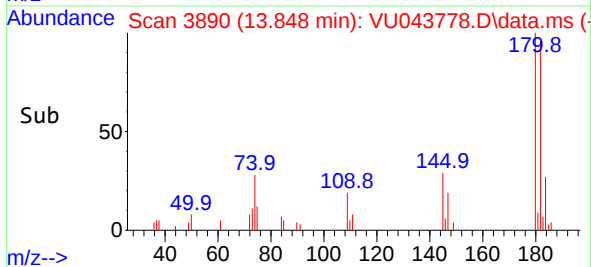
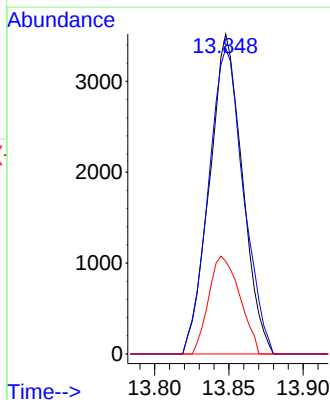
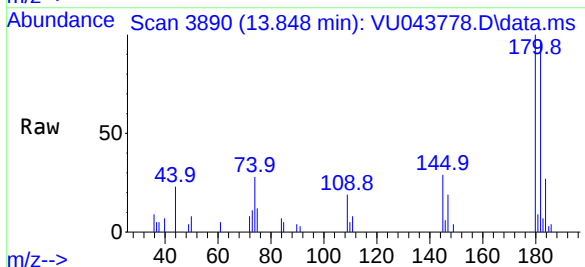
Instrument :
MSVOA_U
ClientSampleId :
BG6M3

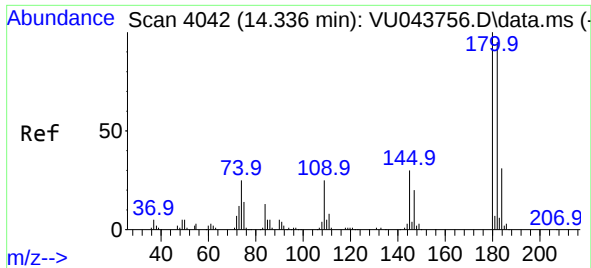
Tgt Ion:146 Resp: 3455
Ion Ratio Lower Upper
146 100
111 50.4 33.6 50.4#
148 67.7 50.2 75.2



#70
1,2,4-trichlorobenzene
Concen: 0.28 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. 0.000 min
Lab File: VU043778.D
Acq: 15 May 2021 00:40

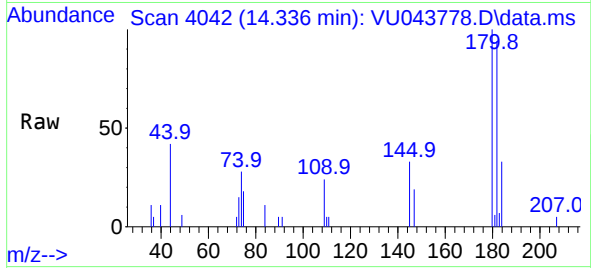
Tgt Ion:180 Resp: 5415
Ion Ratio Lower Upper
180 100
182 101.6 76.9 115.3
145 28.9 23.0 34.4





#72
 1,2,3-Trichlorobenzene
 Concen: 0.18 ug/L
 RT: 14.336 min Scan# 4042
 Delta R.T. 0.000 min
 Lab File: VU043778.D
 Acq: 15 May 2021 00:40

Instrument :
 MSVOA_U
 ClientSampleId :
 BG6M3



Tgt Ion:	180	Resp:	3348
Ion	Ratio	Lower	Upper
180	100		
182	88.2	77.0	115.4
145	30.0	24.6	36.8

