

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051521\
 Data File : VU043776.D
 Acq On : 14 May 2021 23:52
 Operator : SY/MD
 Sample : M2380-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG6M1

Quant Time: May 15 01:21:04 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	229460	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	226567	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	128888	5.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	86477	5.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.20%
7) Chloroethane-d5	1.919	69	60663	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.575	65	34423	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.00%
20) 2-Butanone-d5	4.639	46	207874	64.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.24%
24) Chloroform-d	5.073	84	136281	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.710	65	71690	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.735	84	295264	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.700	67	91862	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.906	98	250129	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloroprop...	8.186	79	32365	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.642	63	155279	50.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.28%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	72442	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
66) 1,2-Dichlorobenzene-d4	12.198	152	104943	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds				Qvalue		
5) Vinyl chloride	1.607	62	306905	15.76	ug/L	86
12) 1,1-Dichloroethene	2.584	96	20334	1.34	ug/L #	1
13) Acetone	2.649	43	2556	1.25	ug/L	82
19) 1,1-Dichloroethane	3.880	63	412986	14.37	ug/L	100
22) cis-1,2-Dichloroethene	4.678	96	540781	32.34	ug/L	99
25) Chloroform	5.096	83	6412	0.23	ug/L	97
29) 1,1,1-Trichloroethane	5.327	97	731937	30.98	ug/L	99
30) Cyclohexane	5.398	56	456834	17.43	ug/L	100
33) Benzene	5.784	78	9561	0.15	ug/L	100
34) Trichloroethene	6.552	95	1846	0.11	ug/L	98
35) Methylcyclohexane	6.771	83	1878	0.07	ug/L #	77
42) Toluene	7.977	91	2364954	34.36	ug/L	99
51) Chlorobenzene	9.452	112	615729	14.32	ug/L	100
52) Ethylbenzene	9.578	91	532783	7.56	ug/L	100
53) m,p-Xylene	9.700	106	380003	14.18	ug/L	99
54) o-Xylene	10.105	106	174183	6.81	ug/L	99
60) Isopropylbenzene	10.491	105	173972	2.46	ug/L	100
62) 1,3,5-Trimethylbenzene	11.095	105	535560	9.41	ug/L	99
63) 1,2,4-Trimethylbenzene	11.475	105	2385728	40.90	ug/L	100

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QLast Update : Sat May 15 00:49:19 2021
Response via : Initial Calibration

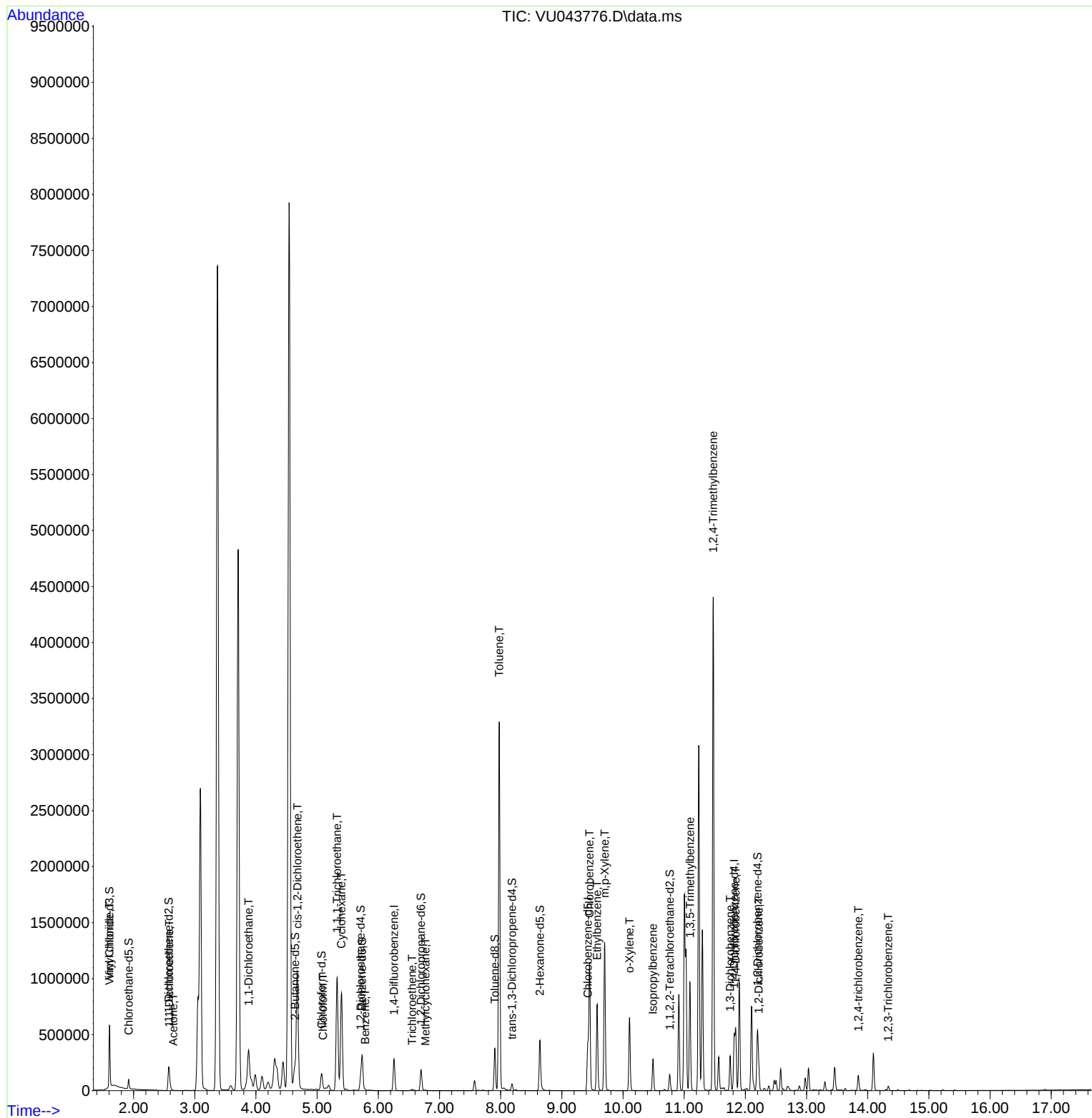
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.751	146	118491	3.25	ug/L	99
65) 1,4-Dichlorobenzene	11.841	146	214579	5.86	ug/L	99
67) 1,2-Dichlorobenzene	12.218	146	69854	1.99	ug/L	97
70) 1,2,4-trichlorobenzene	13.848	180	37923	1.58	ug/L	98
72) 1,2,3-Trichlorobenzene	14.336	180	11874	0.52	ug/L	96

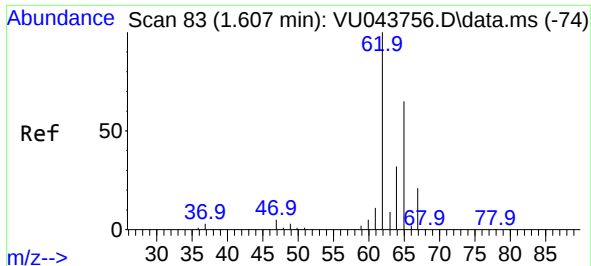
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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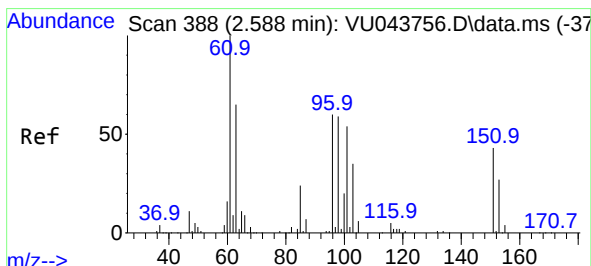
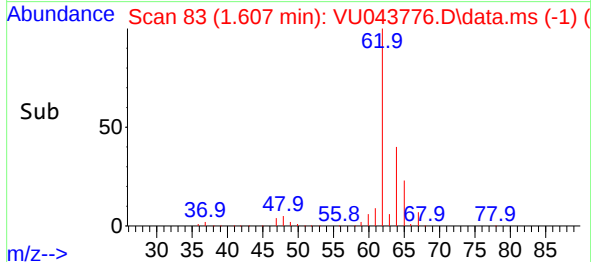
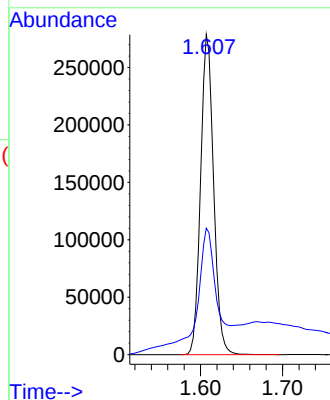
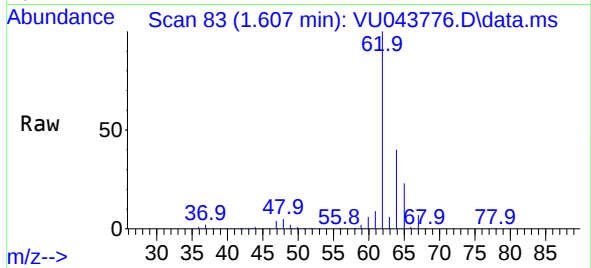




#5
 Vinyl chloride
 Concen: 15.76 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU043776.D
 Acq: 14 May 2021 23:52

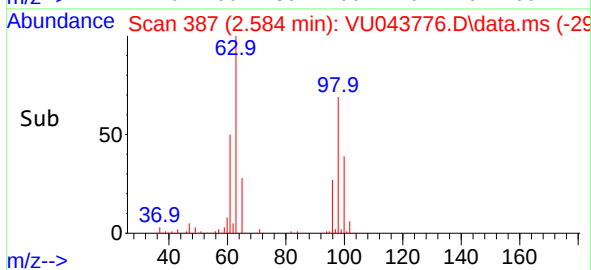
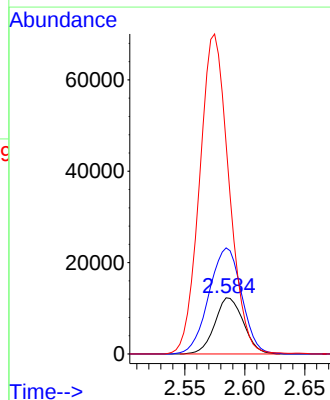
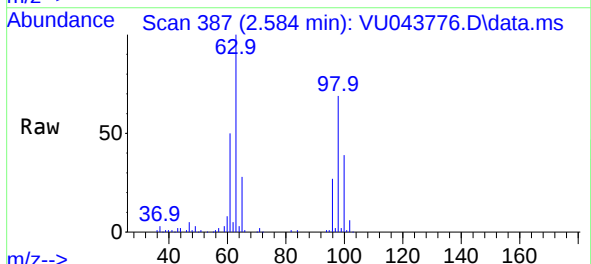
Instrument :
 MSVOA_U
 ClientSampled :
 BG6M1

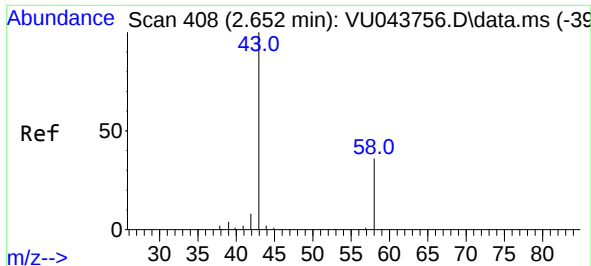
Tgt Ion: 62 Resp: 306905
 Ion Ratio Lower Upper
 62 100
 64 39.5 22.1 41.1



#12
 1,1-Dichloroethene
 Concen: 1.34 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU043776.D
 Acq: 14 May 2021 23:52

Tgt Ion: 96 Resp: 20334
 Ion Ratio Lower Upper
 96 100
 61 188.9 117.5 218.1
 63 374.1 77.3 143.7#

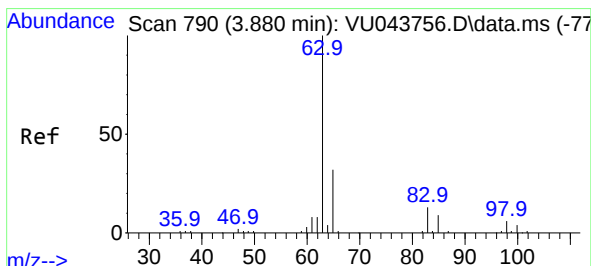
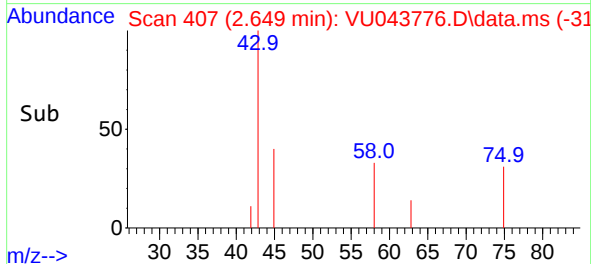
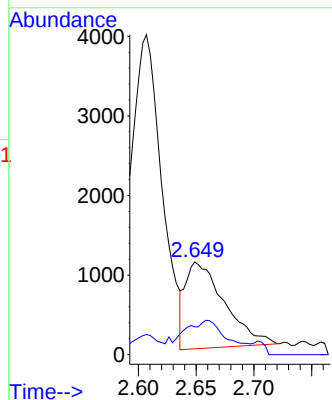
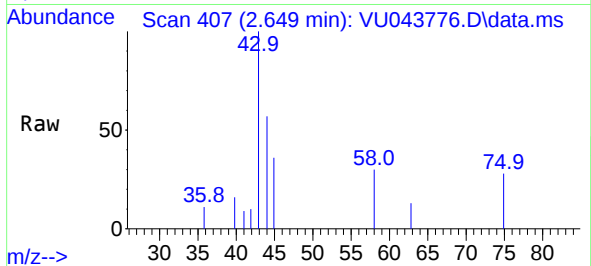




#13
Acetone
Concen: 1.25 ug/L
RT: 2.649 min Scan# 407
Delta R.T. -0.003 min
Lab File: VU043776.D
Acq: 14 May 2021 23:52

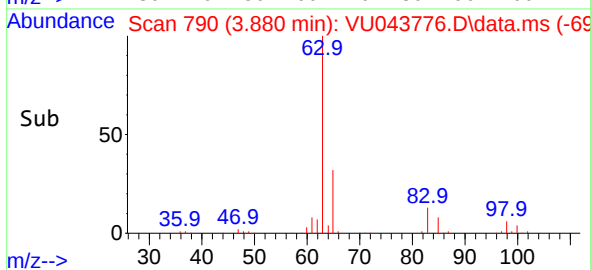
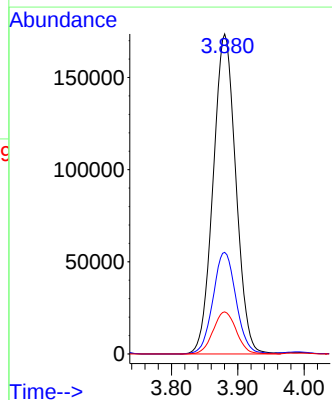
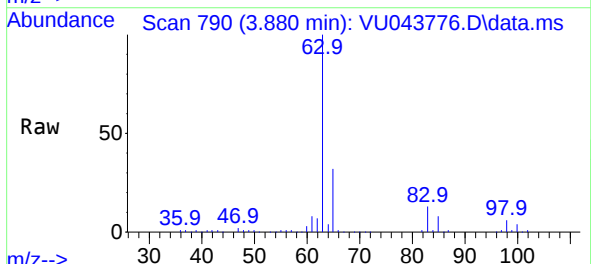
Instrument :
MSVOA_U
ClientSampled :
BG6M1

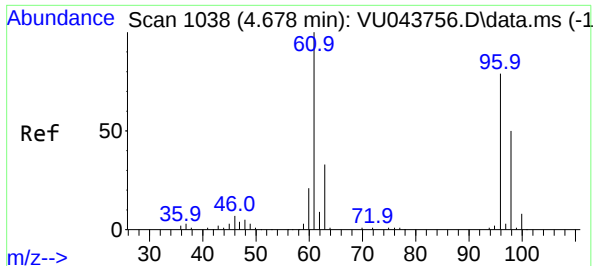
Tgt Ion: 43 Resp: 2556
Ion Ratio Lower Upper
43 100
58 46.2 0.0 71.6



#19
1,1-Dichloroethane
Concen: 14.37 ug/L
RT: 3.880 min Scan# 790
Delta R.T. 0.000 min
Lab File: VU043776.D
Acq: 14 May 2021 23:52

Tgt Ion: 63 Resp: 412986
Ion Ratio Lower Upper
63 100
65 31.8 22.3 41.3
83 13.1 9.0 16.8

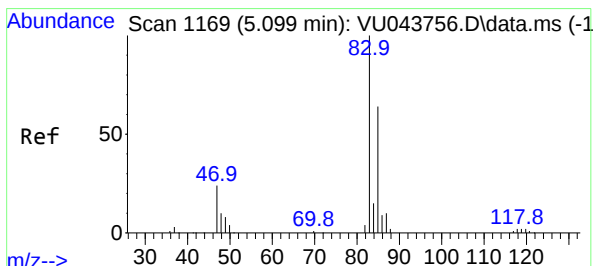
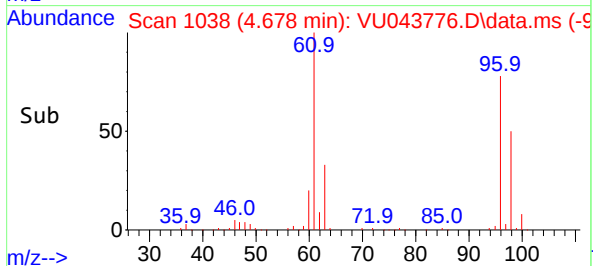
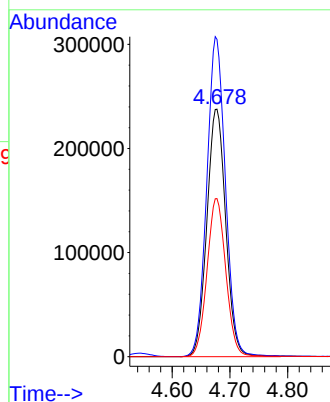
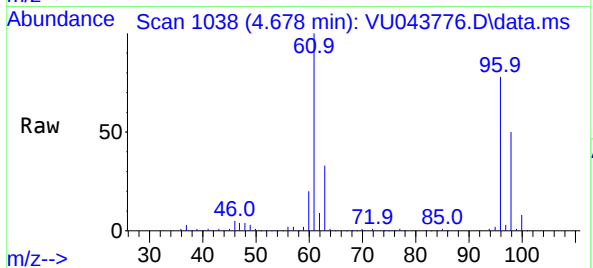




#22
cis-1,2-Dichloroethene
Concen: 32.34 ug/L
RT: 4.678 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VU043776.D
Acq: 14 May 2021 23:52

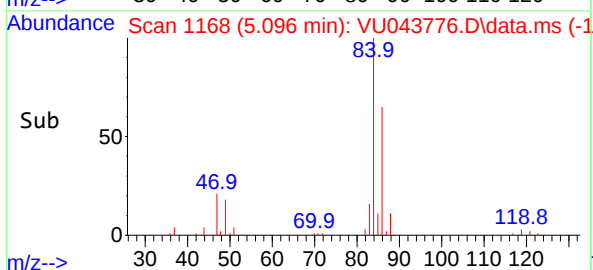
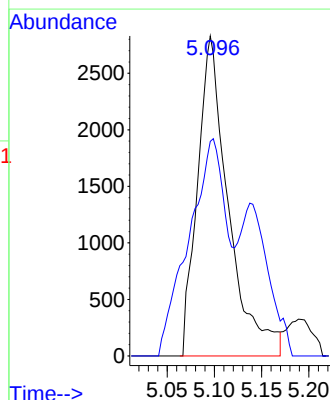
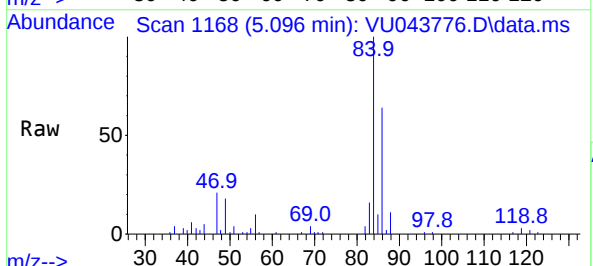
Instrument :
MSVOA_U
ClientSampled :
BG6M1

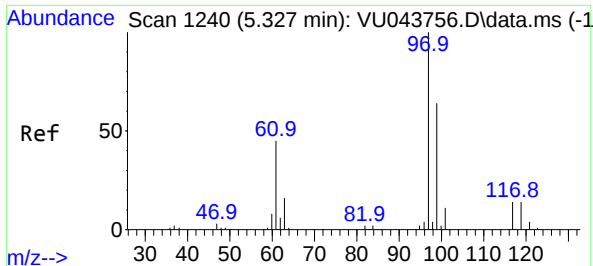
Tgt Ion: 96 Resp: 540781
Ion Ratio Lower Upper
96 100
61 128.2 89.0 165.4
98 63.8 44.9 83.3



#25
Chloroform
Concen: 0.23 ug/L
RT: 5.096 min Scan# 1168
Delta R.T. -0.003 min
Lab File: VU043776.D
Acq: 14 May 2021 23:52

Tgt Ion: 83 Resp: 6412
Ion Ratio Lower Upper
83 100
85 67.0 45.0 83.6



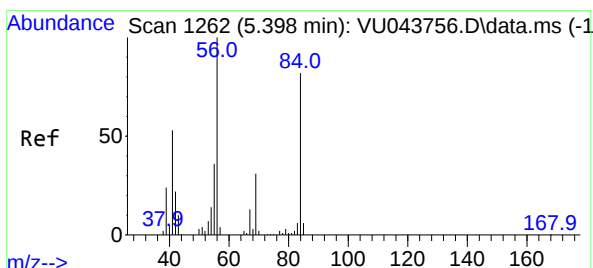
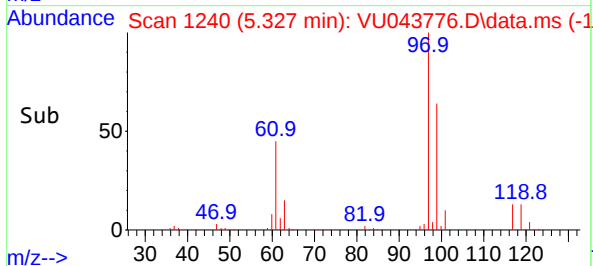
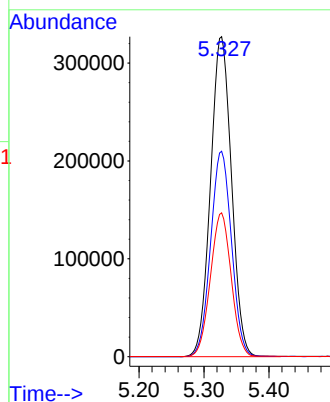
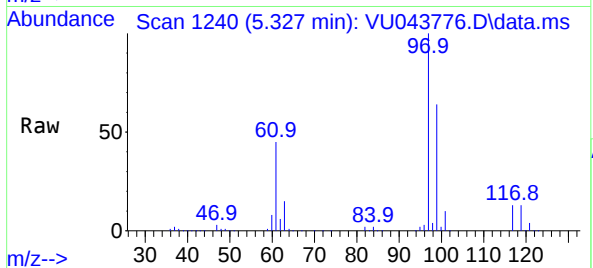


#29
1,1,1-Trichloroethane
Concen: 30.98 ug/L
RT: 5.327 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VU043776.D
Acq: 14 May 2021 23:52

Instrument :
MSVOA_U
ClientSampleId :
BG6M1

Tgt Ion: 97 Resp: 731937

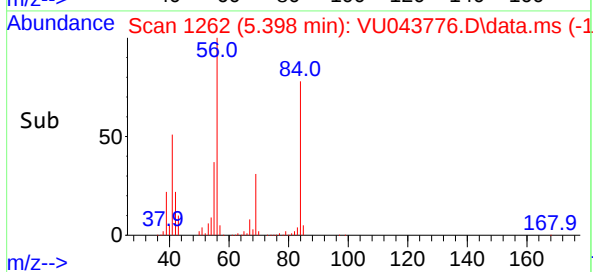
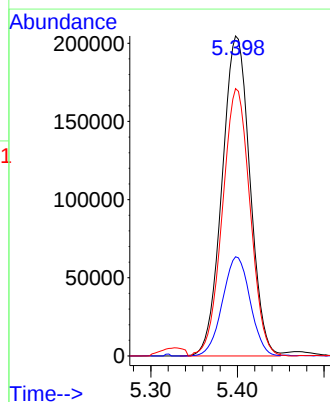
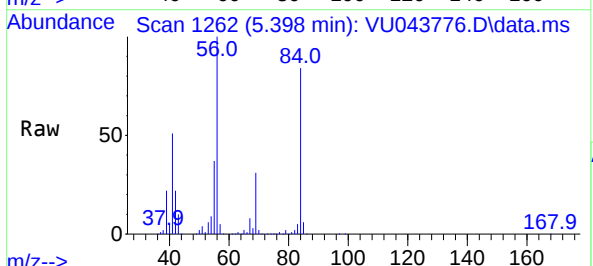
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.1	76.7
61	44.6	37.0	55.4

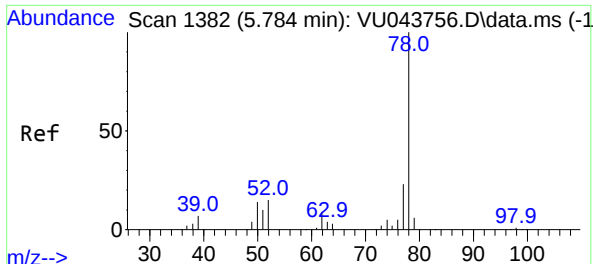


#30
Cyclohexane
Concen: 17.43 ug/L
RT: 5.398 min Scan# 1262
Delta R.T. 0.000 min
Lab File: VU043776.D
Acq: 14 May 2021 23:52

Tgt Ion: 56 Resp: 456834

Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.8	37.2
84	83.1	66.8	100.2

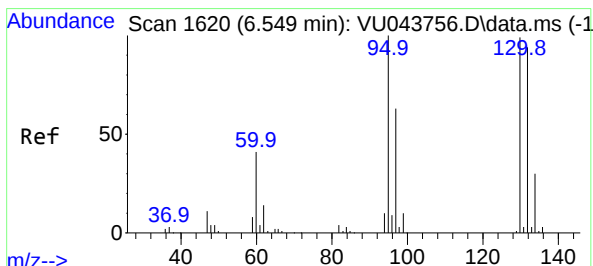
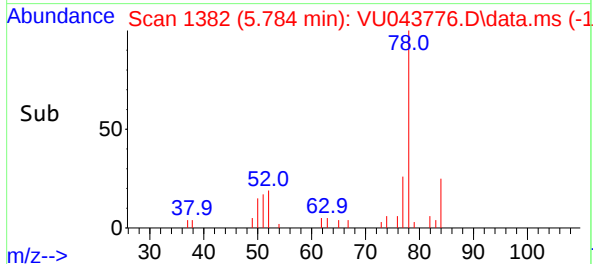
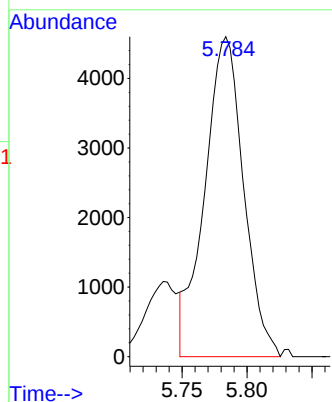
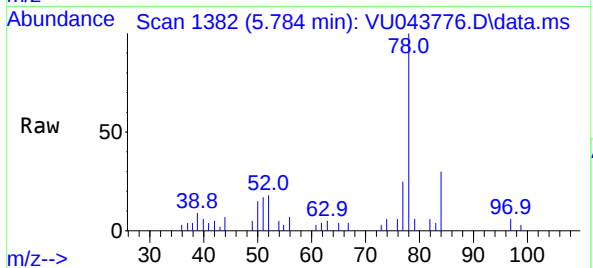




Benzene
Concen: 0.15 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VU043776.D
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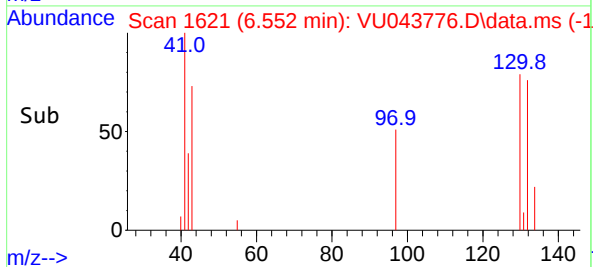
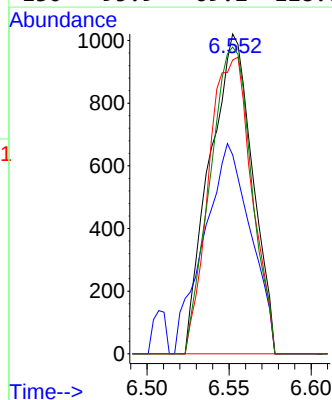
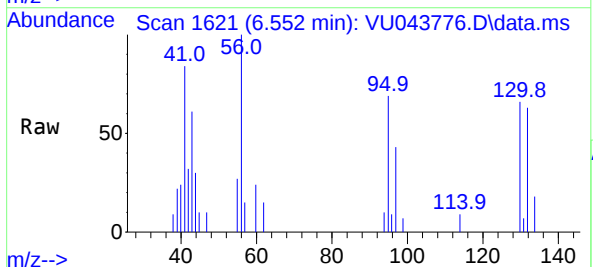
Tgt Ion: 78 Resp: 9561

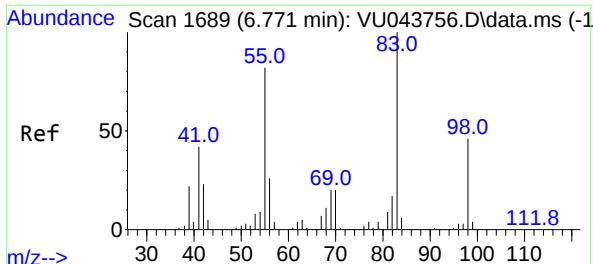


Trichloroethene
Concen: 0.11 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.003 min
Lab File: VU043776.D
Acq: 14 May 2021 23:52

Tgt Ion: 95 Resp: 1846

Ion	Ratio	Lower	Upper
95	100		
97	62.2	44.3	82.3
132	91.9	66.0	122.6
130	95.9	69.2	128.6





#35

Methylcyclohexane

Concen: 0.07 ug/L

RT: 6.771 min Scan# 1689

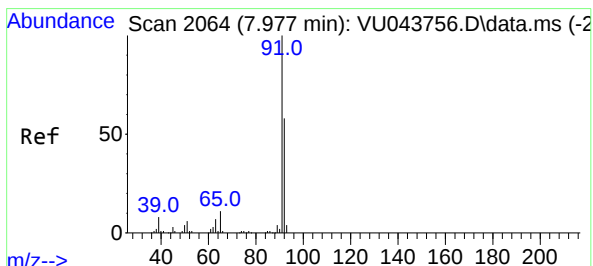
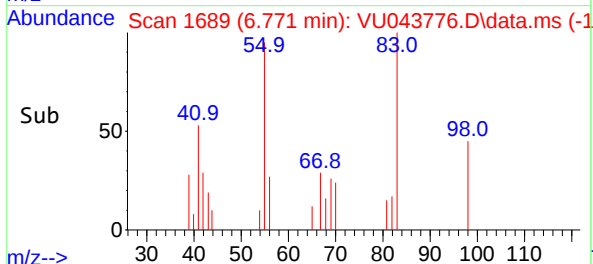
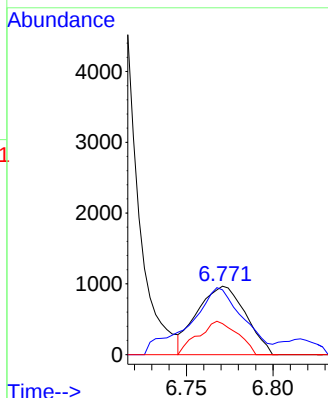
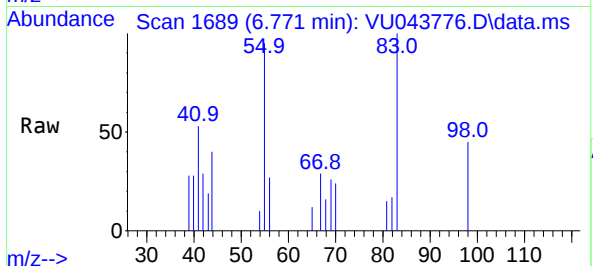
Delta R.T. 0.000 min

Lab File: VU043776.D

Acq: 14 May 2021 23:52

Tgt Ion:	83	Resp:	1878
Ion	Ratio	Lower	Upper
83	100		
55	109.1	64.8	97.2#
98	39.6	35.9	53.9

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#42

Toluene

Concen: 34.36 ug/L

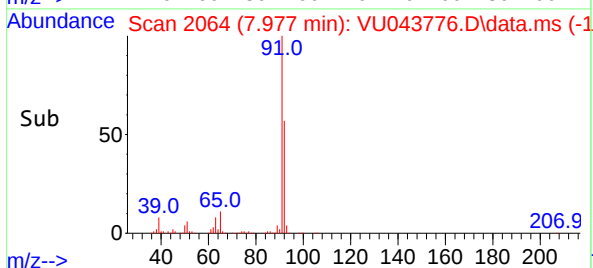
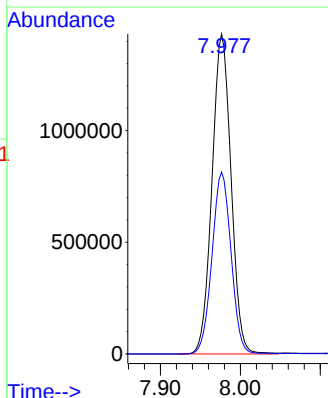
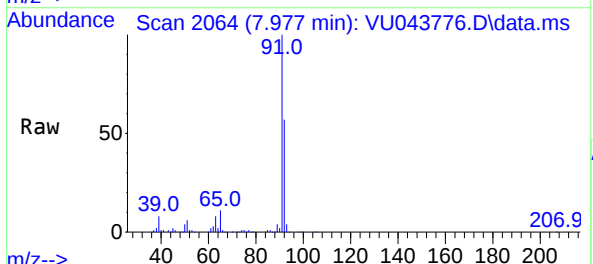
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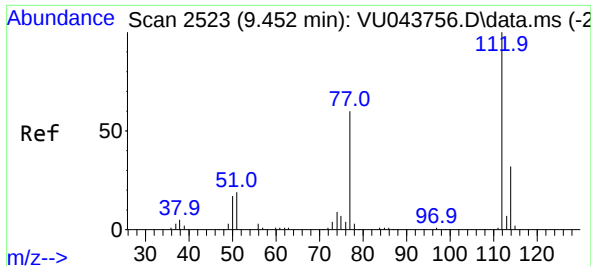
Delta R.T. 0.000 min

Lab File: VU043776.D

Acq: 14 May 2021 23:52

Tgt Ion:	91	Resp:	2364954
Ion	Ratio	Lower	Upper
91	100		
92	56.9	40.3	74.8



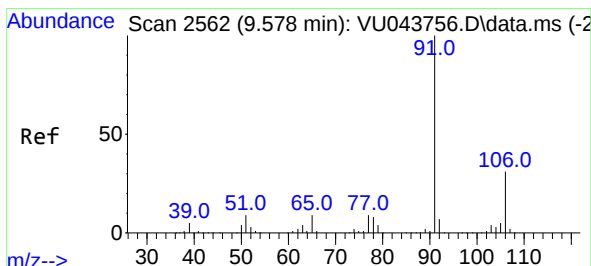
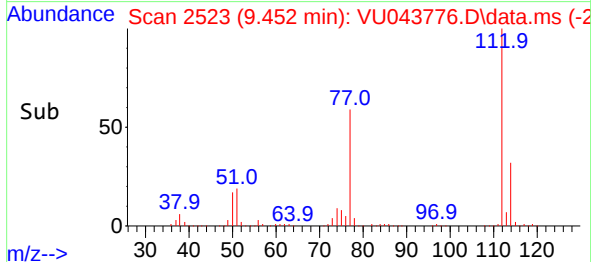
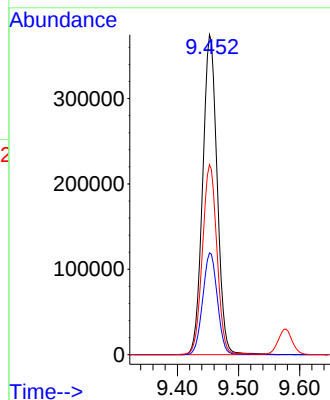
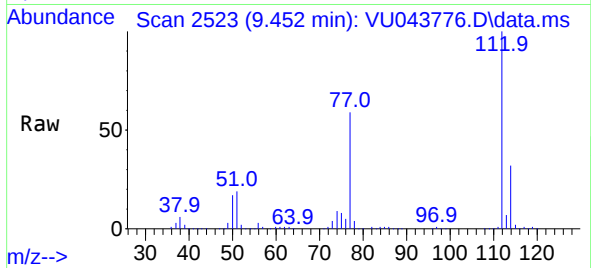


#51
Chlorobenzene
Concen: 14.32 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. 0.000 min
Lab File: VU043776.D
Acq: 14 May 2021 23:52

Instrument :
MSVOA_U
ClientSampled :
BG6M1

Tgt Ion:112 Resp: 615729

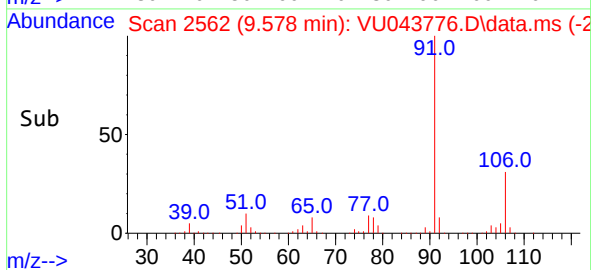
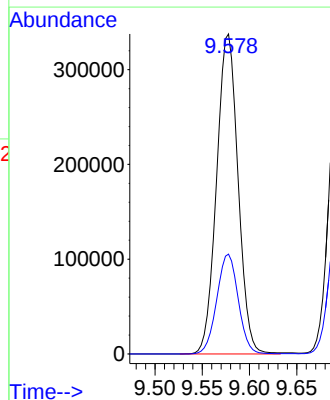
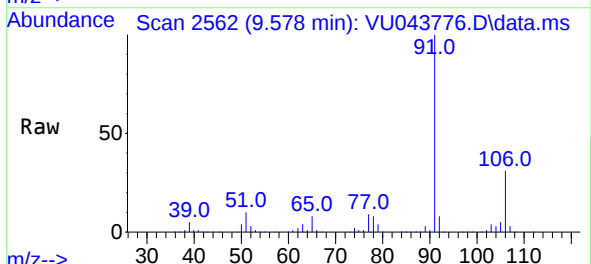
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.3	41.5
77	59.4	47.8	71.8

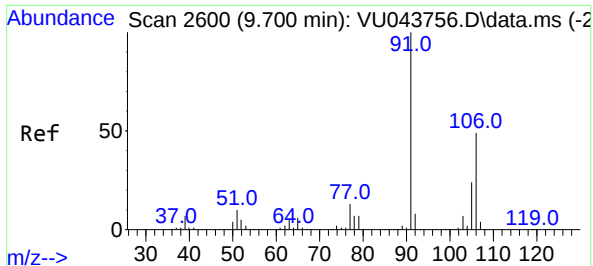


#52
Ethylbenzene
Concen: 7.56 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. 0.000 min
Lab File: VU043776.D
Acq: 14 May 2021 23:52

Tgt Ion: 91 Resp: 532783

Ion	Ratio	Lower	Upper
91	100		
106	31.2	21.7	40.3

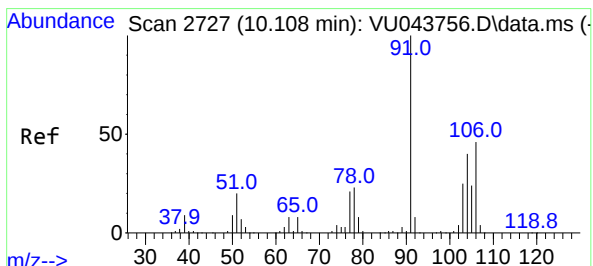
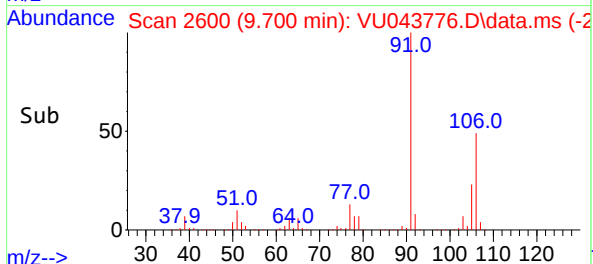
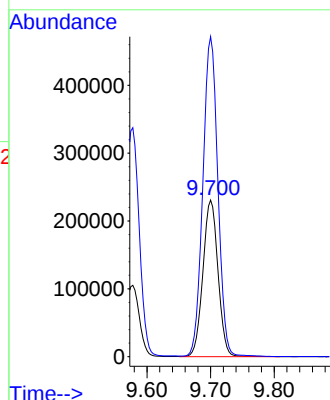
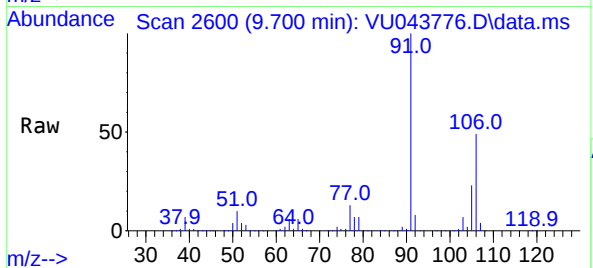




#53
m,p-Xylene
Concen: 14.18 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. 0.000 min
Lab File: VU043776.D
Acq: 14 May 2021 23:52

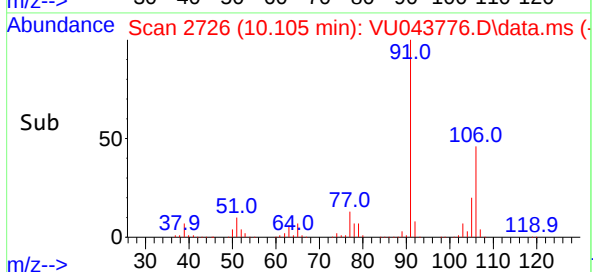
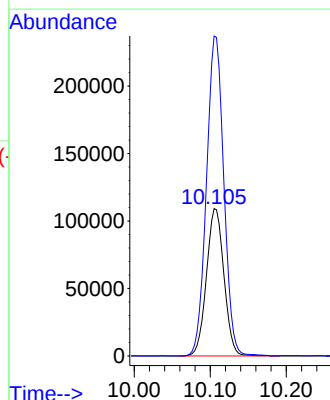
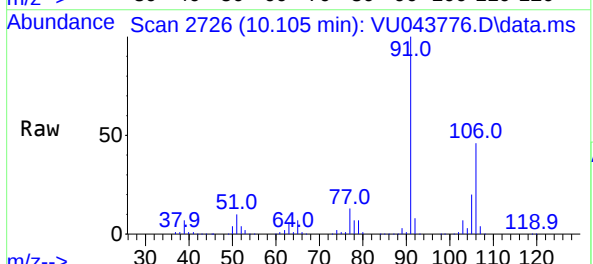
Instrument :
MSVOA_U
ClientSampled :
BG6M1

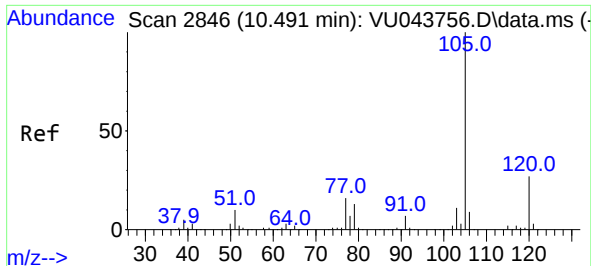
Tgt Ion:106 Resp: 380003
Ion Ratio Lower Upper
106 100
91 204.2 144.4 268.2



#54
o-Xylene
Concen: 6.81 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU043776.D
Acq: 14 May 2021 23:52

Tgt Ion:106 Resp: 174183
Ion Ratio Lower Upper
106 100
91 217.1 150.8 280.0

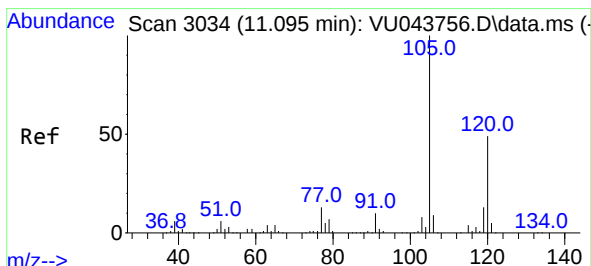
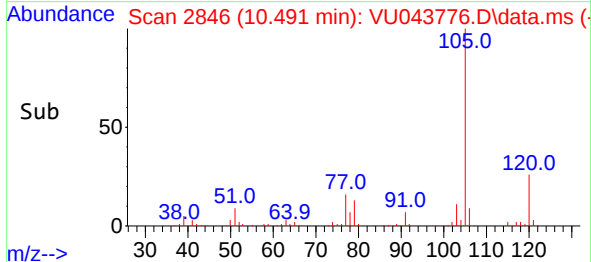
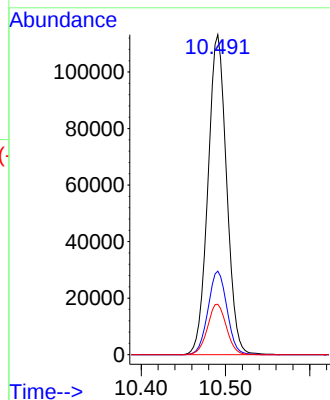
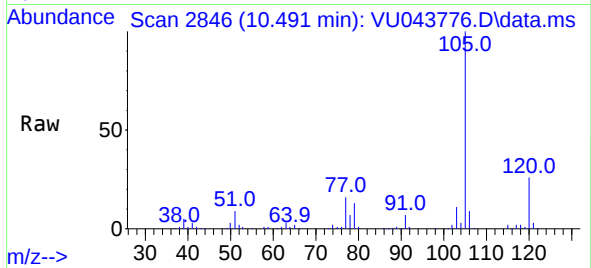




#60
Isopropylbenzene
Concen: 2.46 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. 0.000 min
Lab File: VU043776.D
Acq: 14 May 2021 23:52

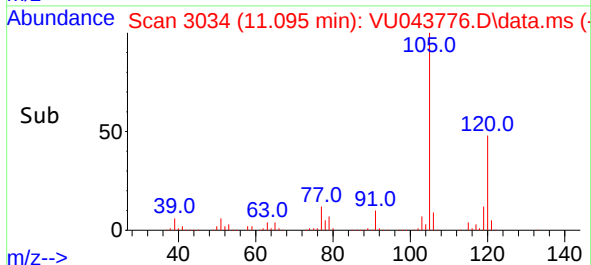
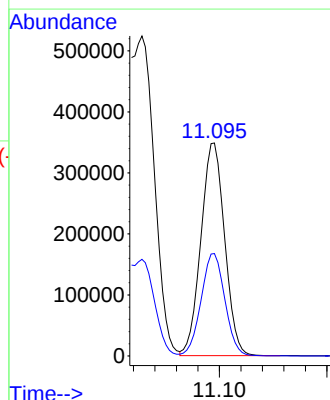
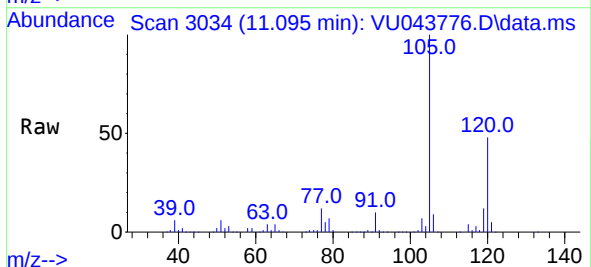
Instrument :
MSVOA_U
ClientSampled :
BG6M1

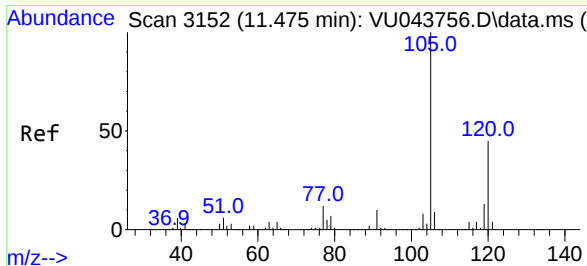
Tgt Ion:105 Resp: 173972
Ion Ratio Lower Upper
105 100
120 26.6 21.3 31.9
77 16.0 12.6 19.0



#62
1,3,5-Trimethylbenzene
Concen: 9.41 ug/L
RT: 11.095 min Scan# 3034
Delta R.T. 0.000 min
Lab File: VU043776.D
Acq: 14 May 2021 23:52

Tgt Ion:105 Resp: 535560
Ion Ratio Lower Upper
105 100
120 48.0 38.9 58.3

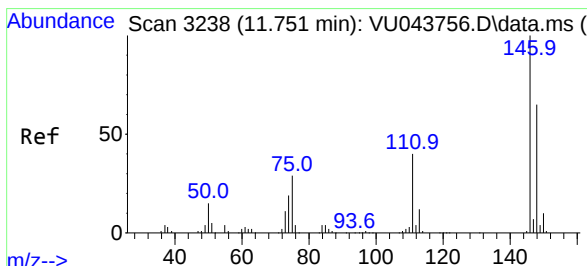
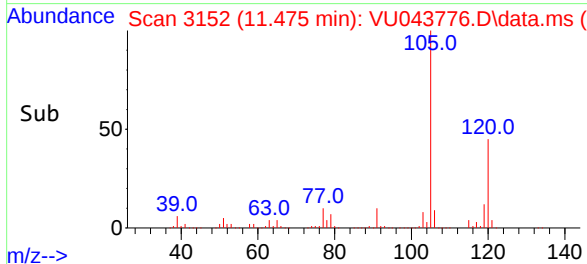
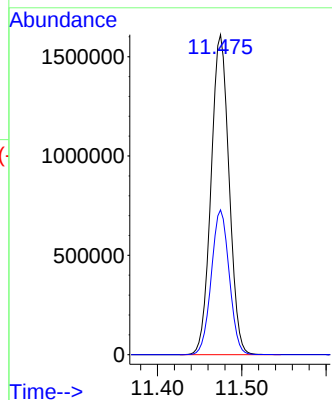
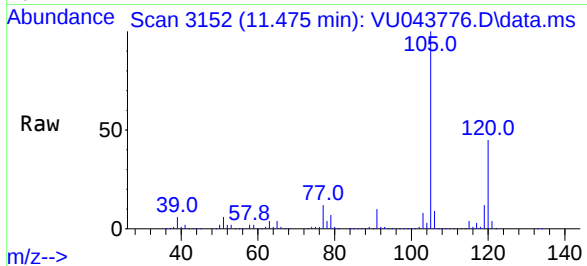




#63
1,2,4-Trimethylbenzene
Concen: 40.90 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VU043776.D
Acq: 14 May 2021 23:52

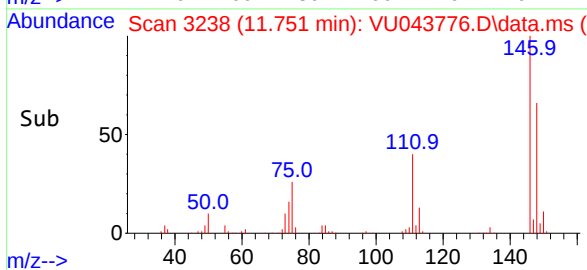
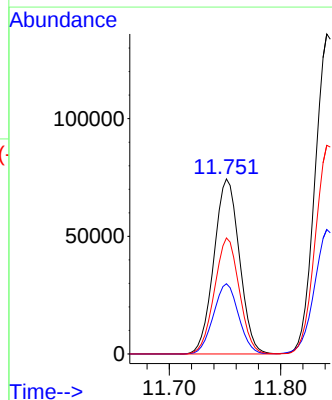
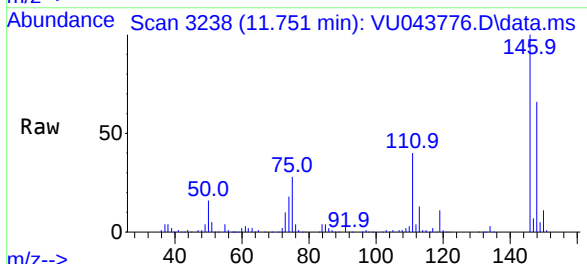
Instrument :
MSVOA_U
ClientSampleId :
BG6M1

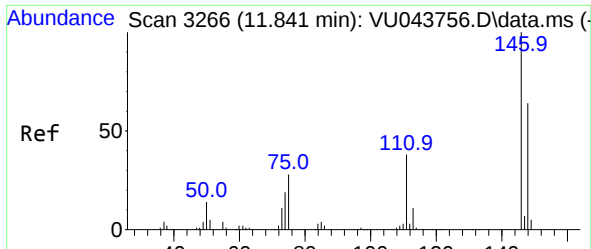
Tgt Ion:105 Resp: 2385728
Ion Ratio Lower Upper
105 100
120 45.2 36.0 54.0



#64
1,3-Dichlorobenzene
Concen: 3.25 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. 0.000 min
Lab File: VU043776.D
Acq: 14 May 2021 23:52

Tgt Ion:146 Resp: 118491
Ion Ratio Lower Upper
146 100
111 40.2 28.1 52.1
148 66.3 45.6 84.6

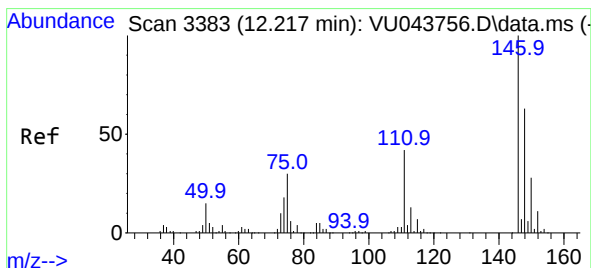
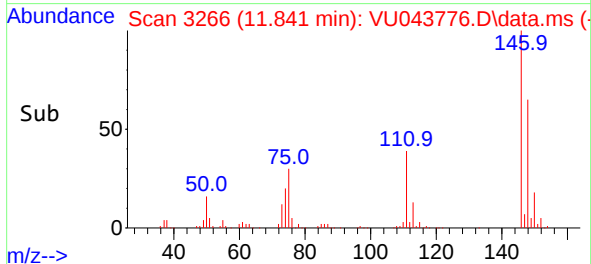
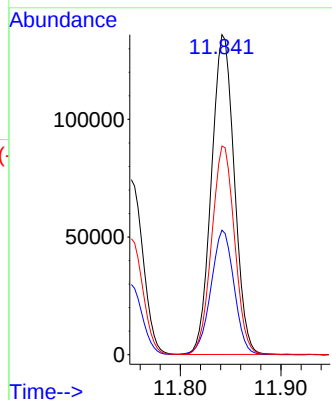
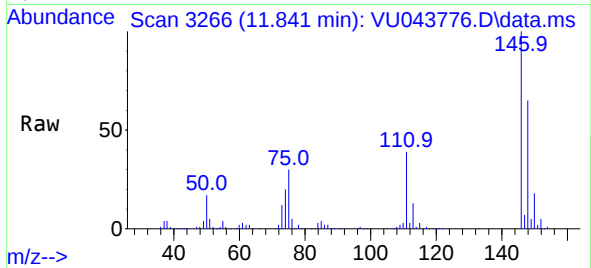




#65
1,4-Dichlorobenzene
Concen: 5.86 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU043776.D
Acq: 14 May 2021 23:52

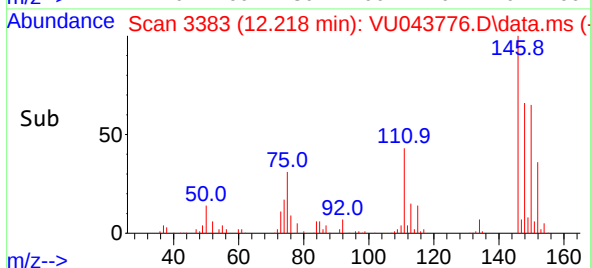
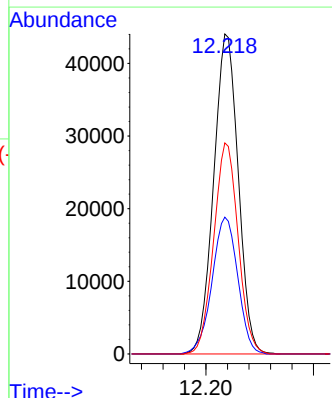
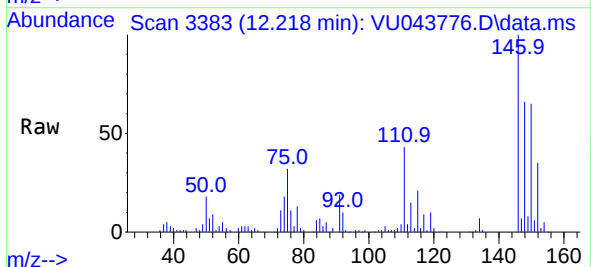
Instrument :
MSVOA_U
ClientSampleId :
BG6M1

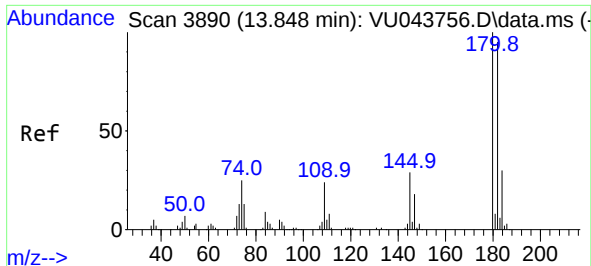
Tgt Ion:146 Resp: 214579
Ion Ratio Lower Upper
146 100
111 38.9 27.0 50.2
148 65.2 45.0 83.6



#67
1,2-Dichlorobenzene
Concen: 1.99 ug/L
RT: 12.218 min Scan# 3383
Delta R.T. 0.000 min
Lab File: VU043776.D
Acq: 14 May 2021 23:52

Tgt Ion:146 Resp: 69854
Ion Ratio Lower Upper
146 100
111 42.8 33.6 50.4
148 66.0 50.2 75.2

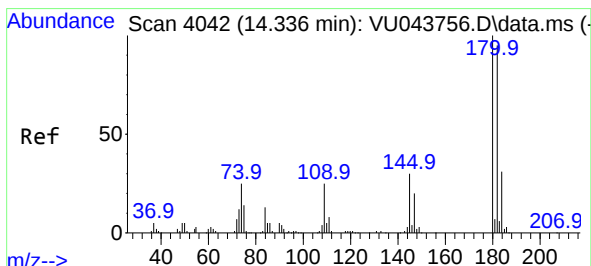
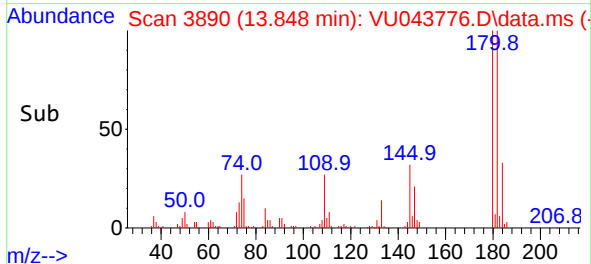
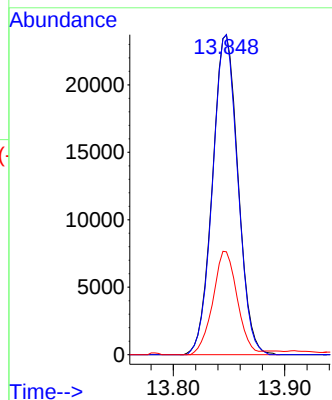
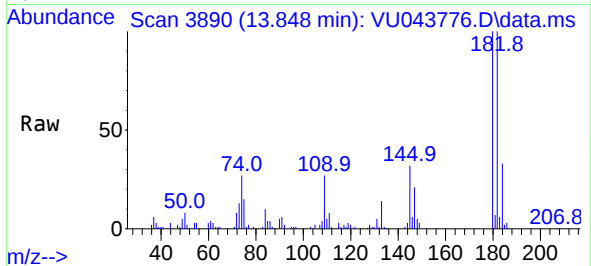




#70
1,2,4-trichlorobenzene
Concen: 1.58 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. 0.000 min
Lab File: VU043776.D
Acq: 14 May 2021 23:52

Instrument :
MSVOA_U
ClientSampled :
BG6M1

Tgt Ion:180 Resp: 37923
Ion Ratio Lower Upper
180 100
182 98.0 76.9 115.3
145 30.9 23.0 34.4



#72
1,2,3-Trichlorobenzene
Concen: 0.52 ug/L
RT: 14.336 min Scan# 4042
Delta R.T. 0.000 min
Lab File: VU043776.D
Acq: 14 May 2021 23:52

Tgt Ion:180 Resp: 11874
Ion Ratio Lower Upper
180 100
182 94.4 77.0 115.4
145 35.9 24.6 36.8

