

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051521\
 Data File : VU043777.D
 Acq On : 15 May 2021 00:16
 Operator : SY/MD
 Sample : M2380-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG6M2

Quant Time: May 15 01:21:13 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	235108	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	231609	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	110741	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	84413	4.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.40%
7) Chloroethane-d5	1.919	69	62208	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.572	65	35363	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.40%
20) 2-Butanone-d5	4.646	46	159654	48.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.88%
24) Chloroform-d	5.073	84	138690	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.713	65	71738	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.736	84	292910	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.700	67	92697	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.906	98	249082	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
43) trans-1,3-Dichloroprop...	8.186	79	31650	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.642	63	153870	49.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.18%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	73615	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
66) 1,2-Dichlorobenzene-d4	12.202	152	93817	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	16943	0.84	ug/L	99
5) Vinyl chloride	1.607	62	107928	5.41	ug/L	97
14) Carbon disulfide	2.800	76	14119	0.27	ug/L	97
17) Methyl tert-butyl Ether	3.372	73	5974	0.17	ug/L #	1
18) trans-1,2-Dichloroethene	3.363	96	4785	0.29	ug/L	95
19) 1,1-Dichloroethane	3.880	63	142289	4.83	ug/L	99
22) cis-1,2-Dichloroethene	4.674	96	119116	6.95	ug/L	99
25) Chloroform	5.099	83	22794	0.78	ug/L	94
27) 1,2-Dichloroethane	5.803	62	16965	0.94	ug/L	96
29) 1,1,1-Trichloroethane	5.324	97	11659	0.48	ug/L	97
30) Cyclohexane	5.398	56	4699	0.18	ug/L	100
33) Benzene	5.784	78	22558	0.34	ug/L	100
34) Trichloroethene	6.552	95	4881	0.28	ug/L	92
42) Toluene	7.973	91	7219	0.10	ug/L	93
45) 1,1,2-Trichloroethane	8.407	97	9050	0.72	ug/L	96
51) Chlorobenzene	9.452	112	43674	0.99	ug/L	98
54) o-Xylene	10.105	106	3809	0.15	ug/L	97
63) 1,2,4-Trimethylbenzene	11.475	105	8142	0.16	ug/L	96
64) 1,3-Dichlorobenzene	11.755	146	4344	0.14	ug/L	95

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

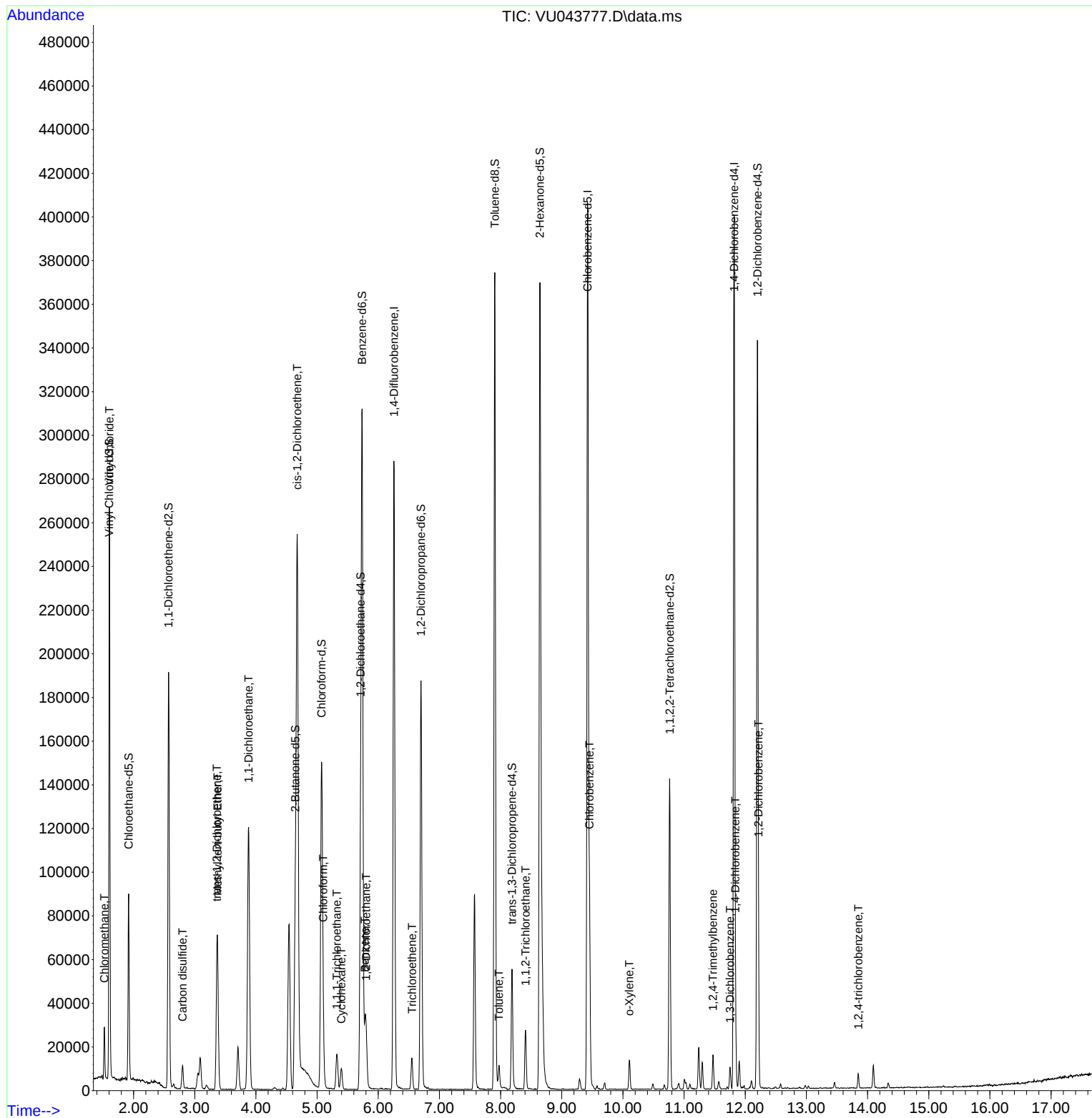
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.841	146	8771	0.28	ug/L	94
67) 1,2-Dichlorobenzene	12.218	146	3929	0.13	ug/L	92
70) 1,2,4-trichlorobenzene	13.848	180	2228	0.11	ug/L	96

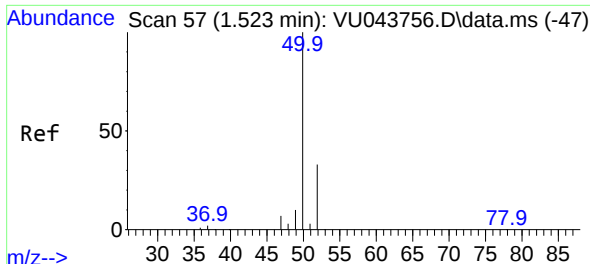
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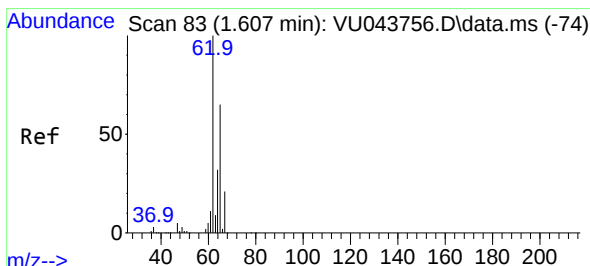
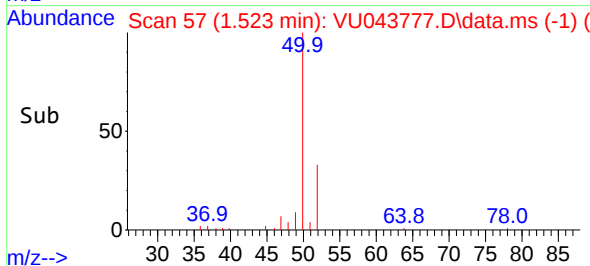
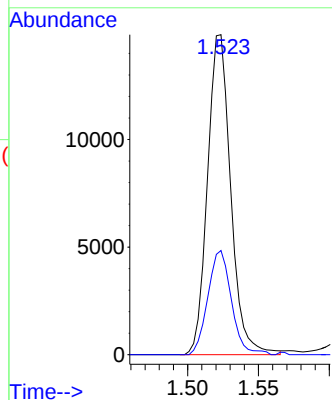
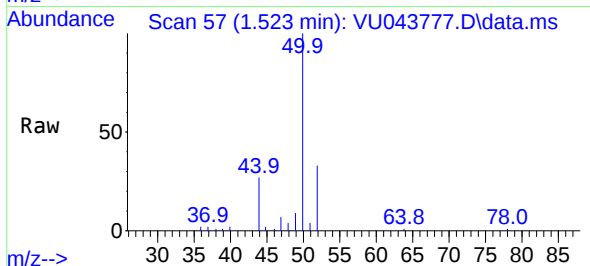




#3
Chloromethane
Concen: 0.84 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU043777.D
Acq: 15 May 2021 00:16

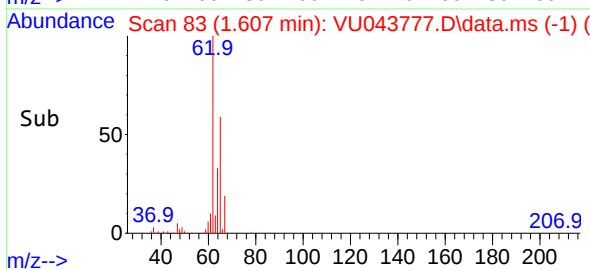
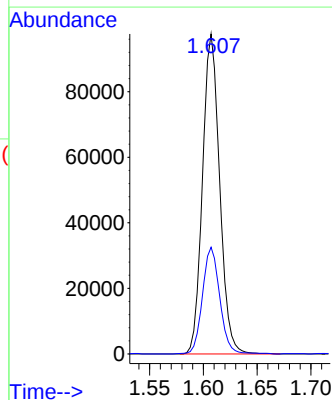
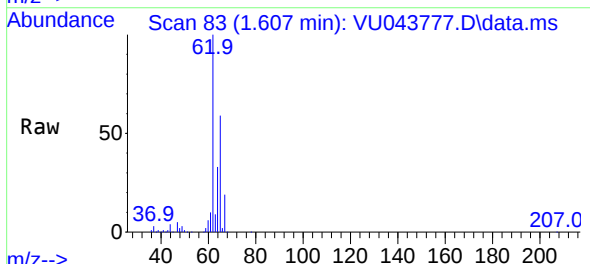
Instrument :
MSVOA_U
ClientSampleId :
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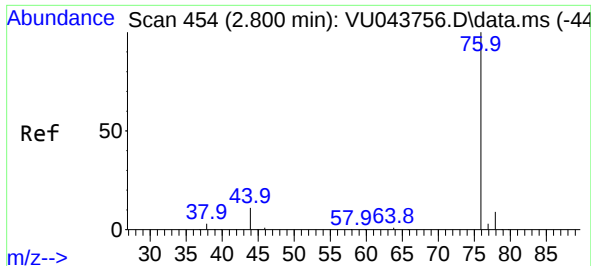
Tgt Ion: 50 Resp: 16943
Ion Ratio Lower Upper
50 100
52 32.6 23.2 43.2



#5
Vinyl chloride
Concen: 5.41 ug/L
RT: 1.607 min Scan# 83
Delta R.T. 0.000 min
Lab File: VU043777.D
Acq: 15 May 2021 00:16

Tgt Ion: 62 Resp: 107928
Ion Ratio Lower Upper
62 100
64 33.4 22.1 41.1

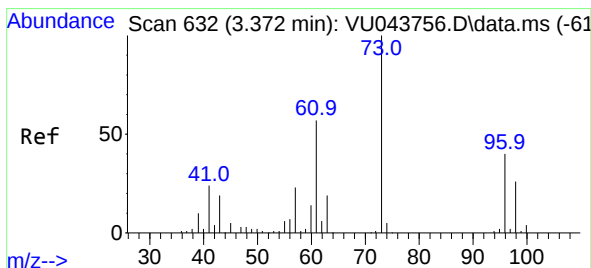
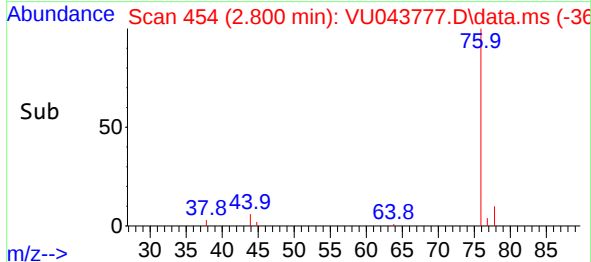
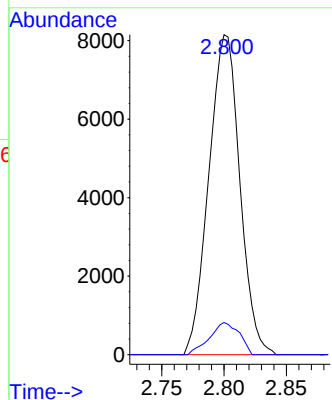
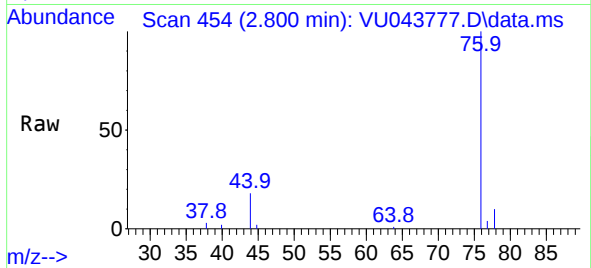




#14
Carbon disulfide
Concen: 0.27 ug/L
RT: 2.800 min Scan# 454
Delta R.T. 0.000 min
Lab File: VU043777.D
Acq: 15 May 2021 00:16

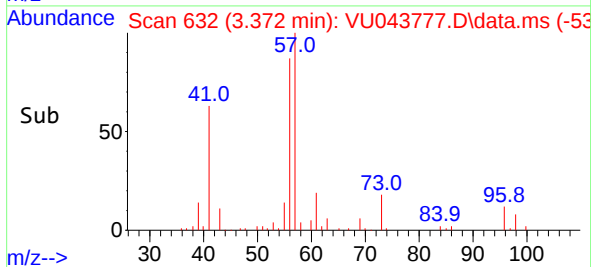
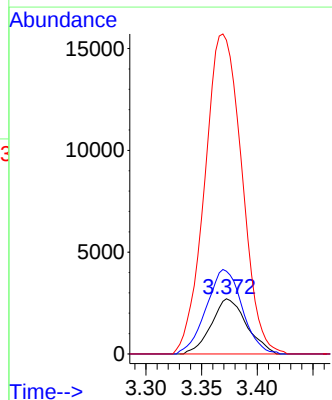
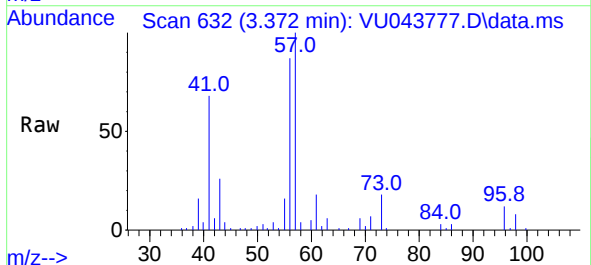
Instrument :
MSVOA_U
ClientSampleId :
BG6M2

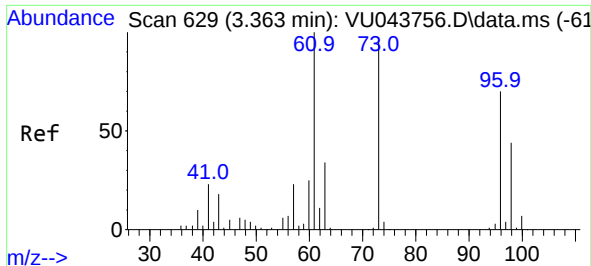
Tgt Ion: 76 Resp: 14119
Ion Ratio Lower Upper
76 100
78 10.1 7.2 10.8



#17
Methyl tert-butyl Ether
Concen: 0.17 ug/L
RT: 3.372 min Scan# 632
Delta R.T. 0.000 min
Lab File: VU043777.D
Acq: 15 May 2021 00:16

Tgt Ion: 73 Resp: 5974
Ion Ratio Lower Upper
73 100
43 155.6 15.0 22.4#
57 609.3 18.6 27.8#

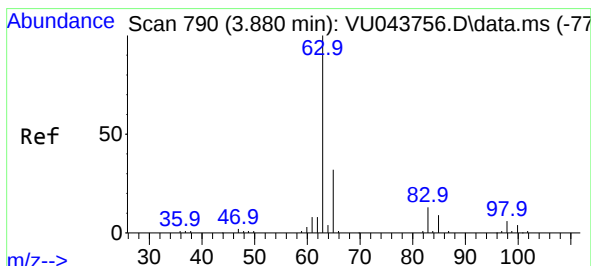
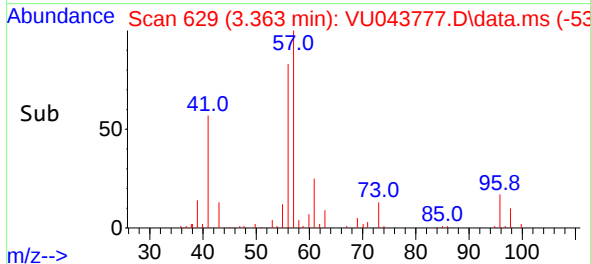
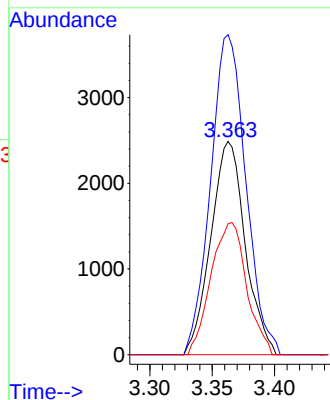
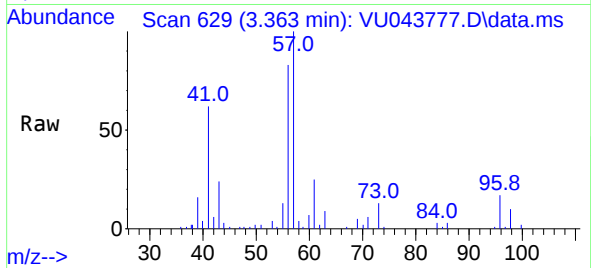




#18
trans-1,2-Dichloroethene
Concen: 0.29 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU043777.D
Acq: 15 May 2021 00:16

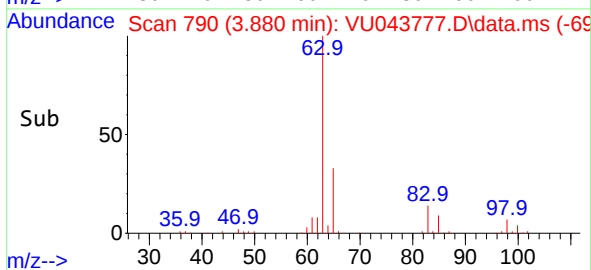
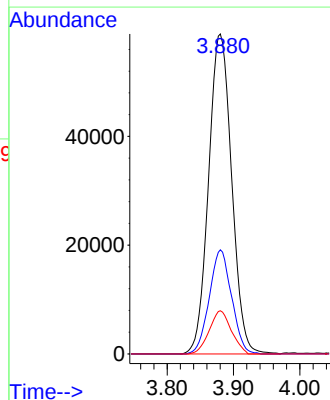
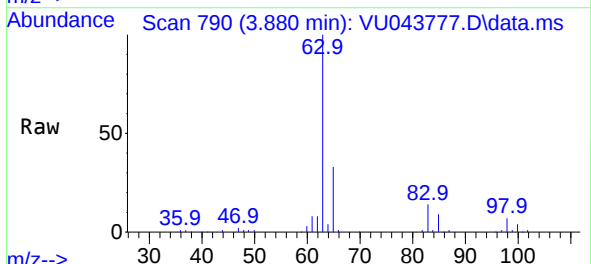
Instrument :
MSVOA_U
ClientSampleId :
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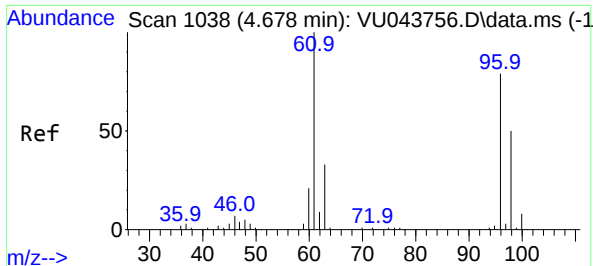
Tgt Ion: 96 Resp: 4785
Ion Ratio Lower Upper
96 100
61 150.1 99.6 185.0
98 61.4 43.8 81.4



#19
1,1-Dichloroethane
Concen: 4.83 ug/L
RT: 3.880 min Scan# 790
Delta R.T. 0.000 min
Lab File: VU043777.D
Acq: 15 May 2021 00:16

Tgt Ion: 63 Resp: 142289
Ion Ratio Lower Upper
63 100
65 32.5 22.3 41.3
83 13.5 9.0 16.8

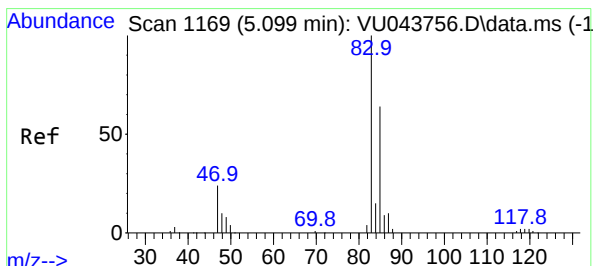
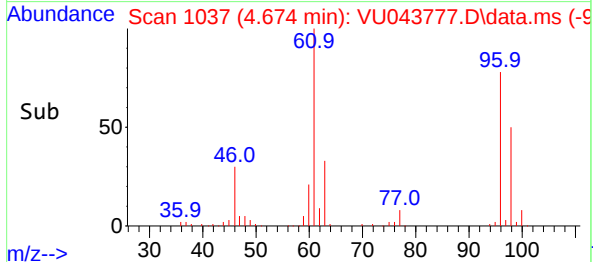
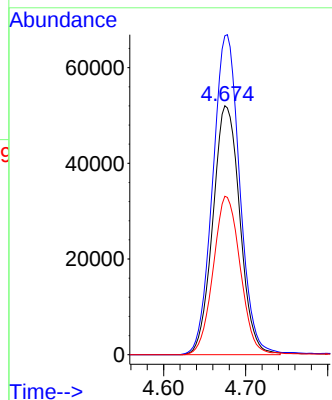
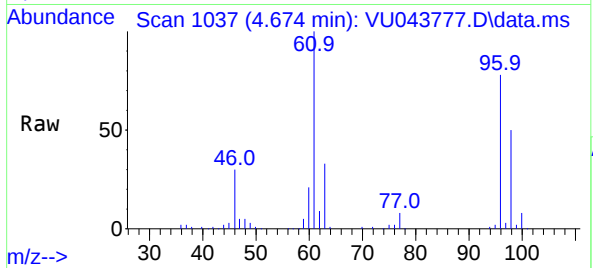




#22
 cis-1,2-Dichloroethene
 Concen: 6.95 ug/L
 RT: 4.674 min Scan# 1037
 Delta R.T. -0.003 min
 Lab File: VU043777.D
 Acq: 15 May 2021 00:16

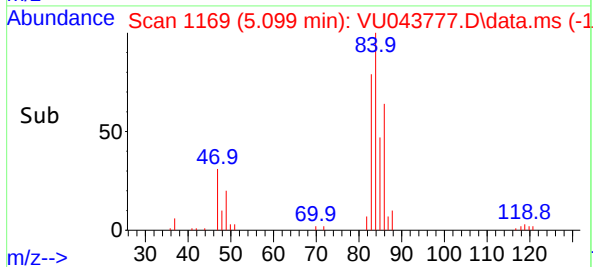
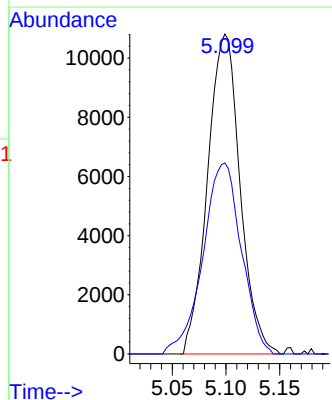
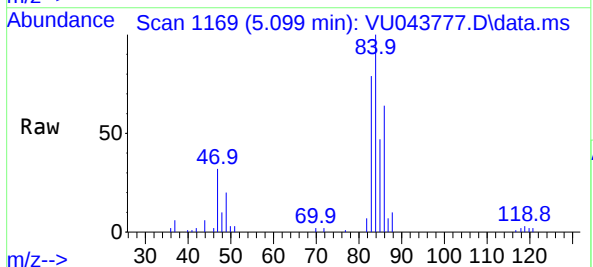
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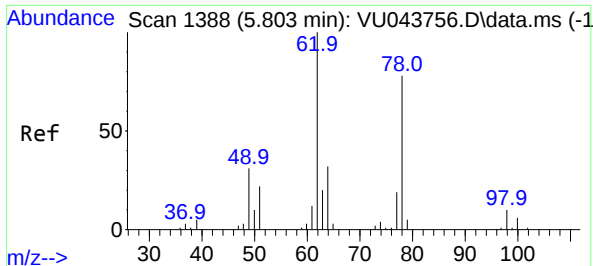
Tgt Ion: 96 Resp: 119116
 Ion Ratio Lower Upper
 96 100
 61 128.0 89.0 165.4
 98 63.6 44.9 83.3



#25
 Chloroform
 Concen: 0.78 ug/L
 RT: 5.099 min Scan# 1169
 Delta R.T. 0.000 min
 Lab File: VU043777.D
 Acq: 15 May 2021 00:16

Tgt Ion: 83 Resp: 22794
 Ion Ratio Lower Upper
 83 100
 85 59.7 45.0 83.6

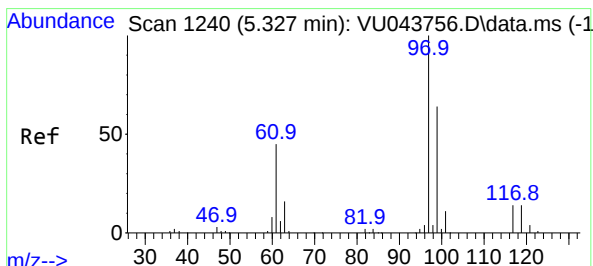
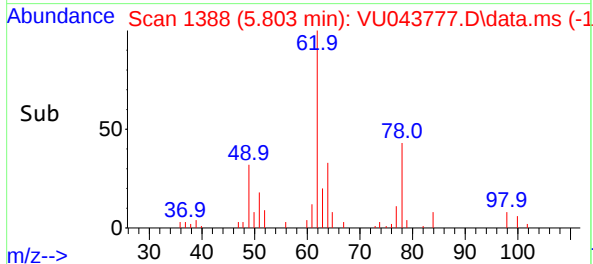
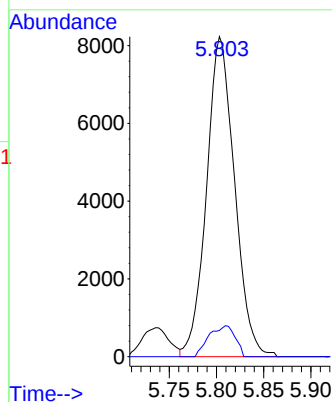
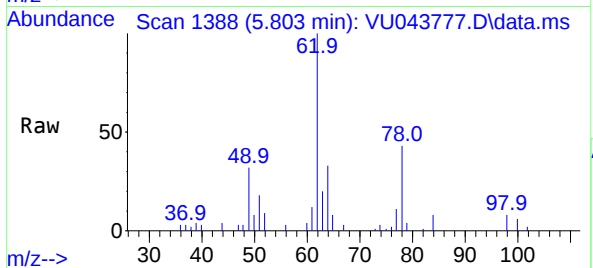




#27
1,2-Dichloroethane
Concen: 0.94 ug/L
RT: 5.803 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VU043777.D
Acq: 15 May 2021 00:16

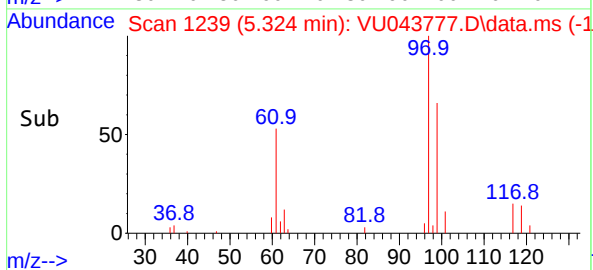
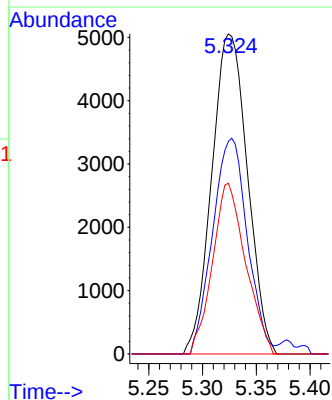
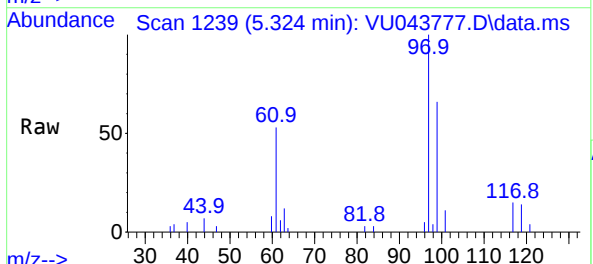
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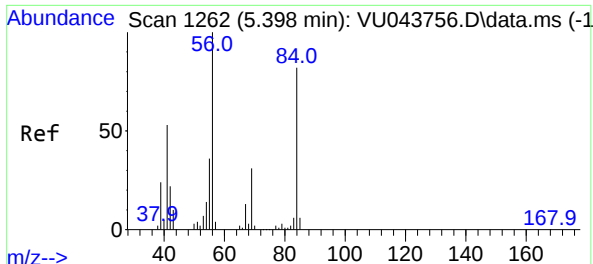
Tgt Ion: 62 Resp: 16965
Ion Ratio Lower Upper
62 100
98 8.2 7.7 11.5



#29
1,1,1-Trichloroethane
Concen: 0.48 ug/L
RT: 5.324 min Scan# 1239
Delta R.T. -0.003 min
Lab File: VU043777.D
Acq: 15 May 2021 00:16

Tgt Ion: 97 Resp: 11659
Ion Ratio Lower Upper
97 100
99 65.6 51.1 76.7
61 49.6 37.0 55.4



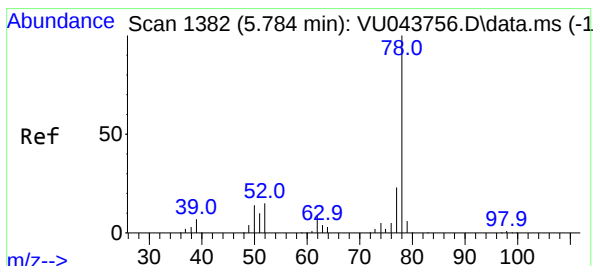
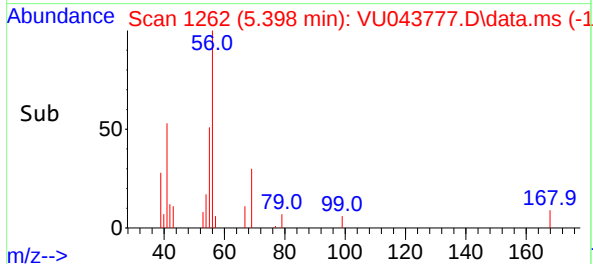
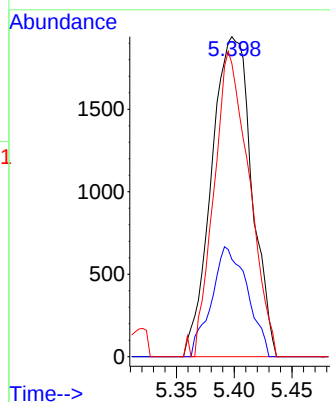
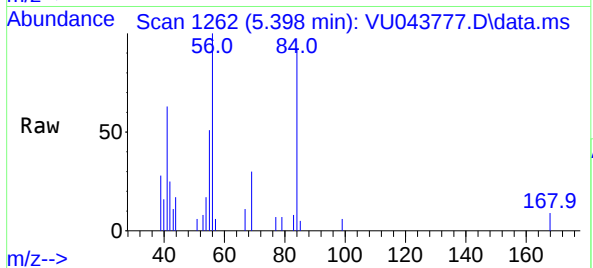


#30
Cyclohexane
Concen: 0.18 ug/L
RT: 5.398 min Scan# 1262
Delta R.T. 0.000 min
Lab File: VU043777.D
Acq: 15 May 2021 00:16

Instrument :
MSVOA_U
ClientSampleId :
BG6M2

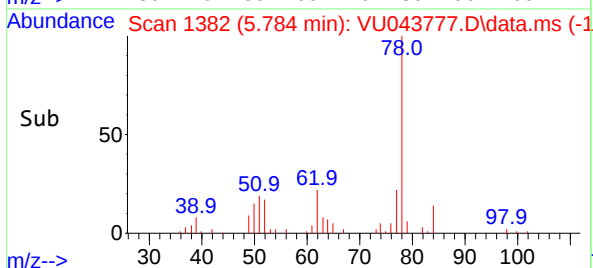
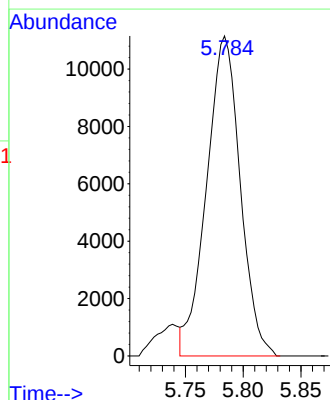
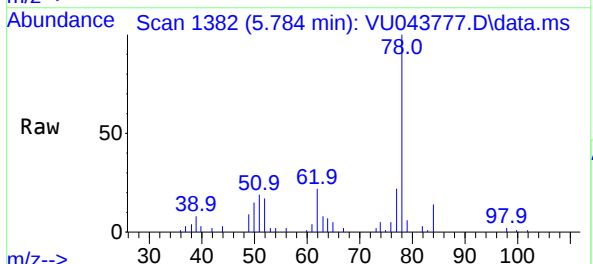
Tgt Ion: 56 Resp: 4699

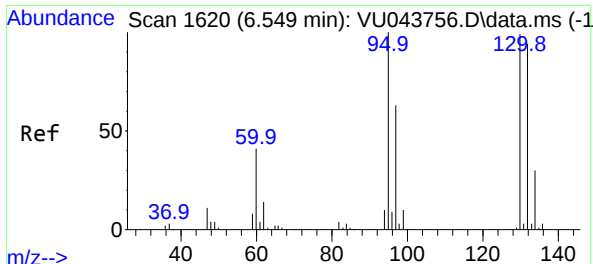
Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.8	37.2
84	83.1	66.8	100.2



#33
Benzene
Concen: 0.34 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VU043777.D
Acq: 15 May 2021 00:16

Tgt Ion: 78 Resp: 22558





#34

Trichloroethene

Concen: 0.28 ug/L

RT: 6.552 min Scan# 1621

Delta R.T. 0.003 min

Lab File: VU043777.D

Acq: 15 May 2021 00:16

Tgt Ion: 95 Resp: 4881

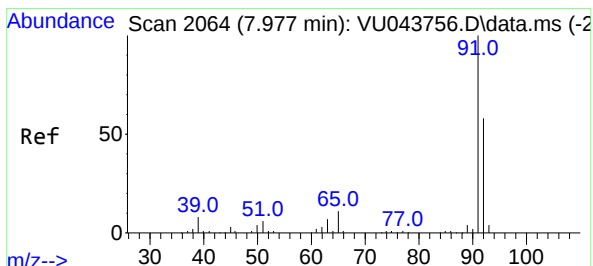
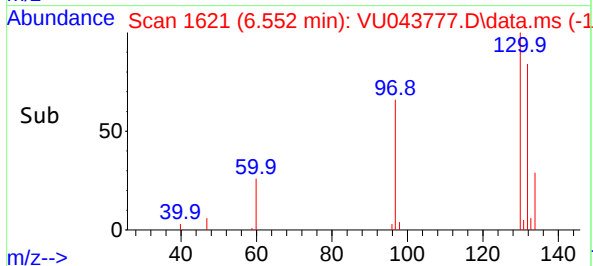
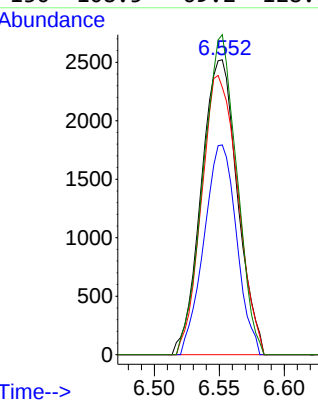
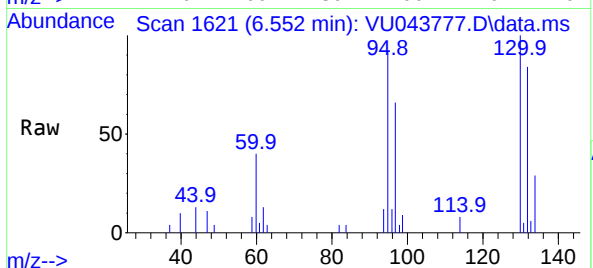
Ion Ratio Lower Upper

95 100

97 71.1 44.3 82.3

132 90.7 66.0 122.6

130 108.5 69.2 128.6



#42

Toluene

Concen: 0.10 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU043777.D

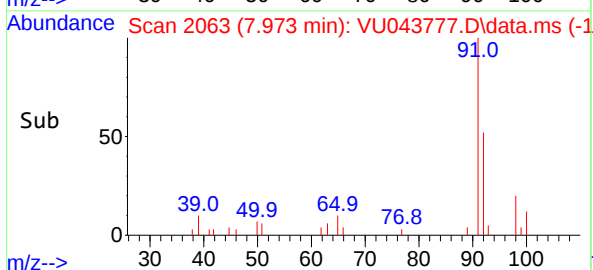
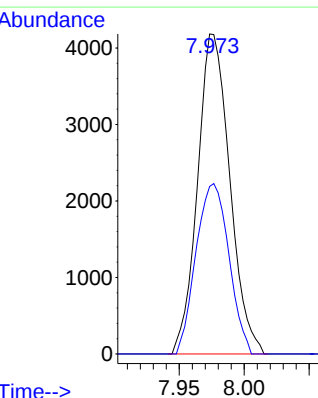
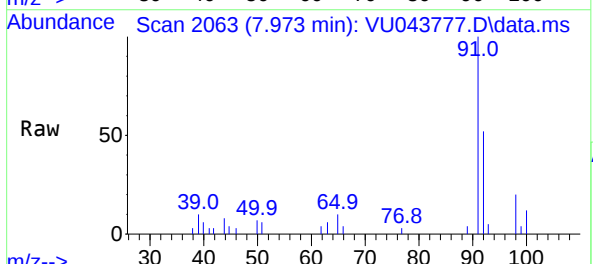
Acq: 15 May 2021 00:16

Tgt Ion: 91 Resp: 7219

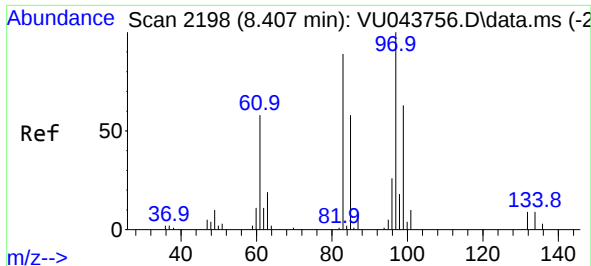
Ion Ratio Lower Upper

91 100

92 52.4 40.3 74.8



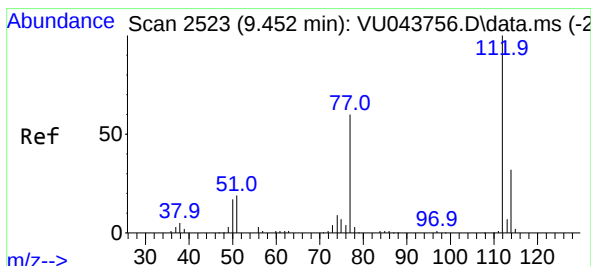
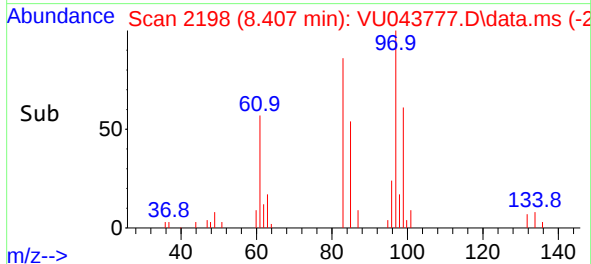
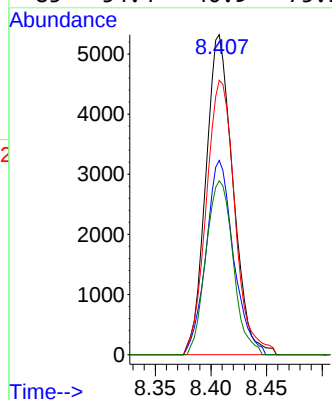
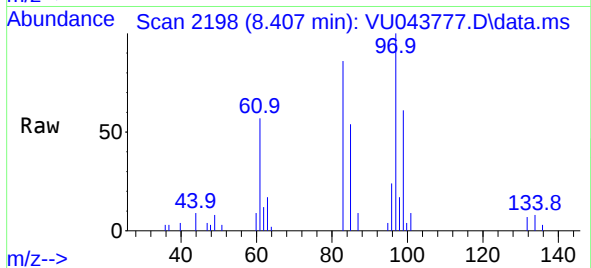
Instrument :
MSVOA_U
ClientSampleId :
BG6M2



#45
1,1,2-Trichloroethane
Concen: 0.72 ug/L
RT: 8.407 min Scan# 2198
Delta R.T. 0.000 min
Lab File: VU043777.D
Acq: 15 May 2021 00:16

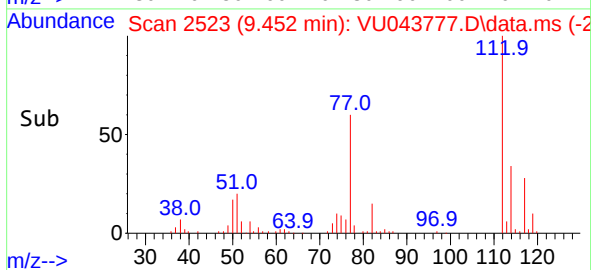
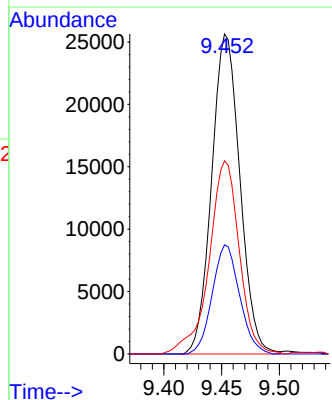
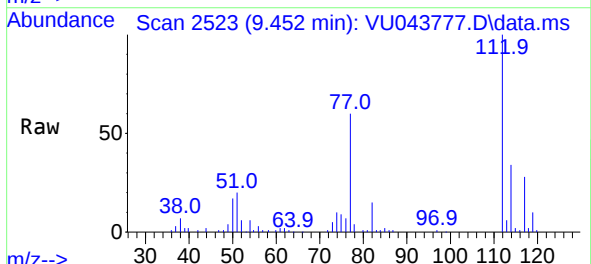
Instrument :
MSVOA_U
ClientSampleId :
BG6M2

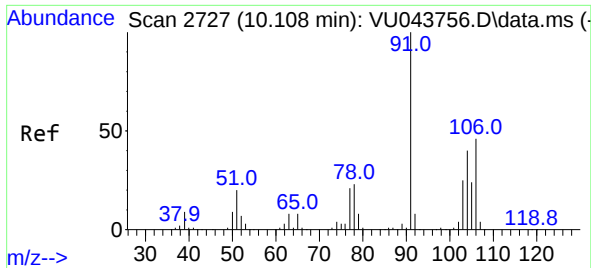
Tgt Ion:	97	Resp:	9050
Ion	Ratio	Lower	Upper
97	100		
99	60.7	43.8	81.4
83	85.8	62.5	116.1
85	54.4	40.9	75.9



#51
Chlorobenzene
Concen: 0.99 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. 0.000 min
Lab File: VU043777.D
Acq: 15 May 2021 00:16

Tgt Ion:	112	Resp:	43674
Ion	Ratio	Lower	Upper
112	100		
114	34.1	22.3	41.5
77	60.4	47.8	71.8

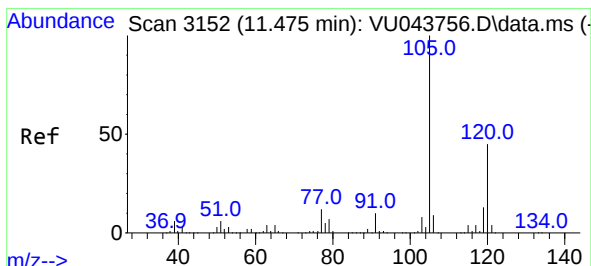
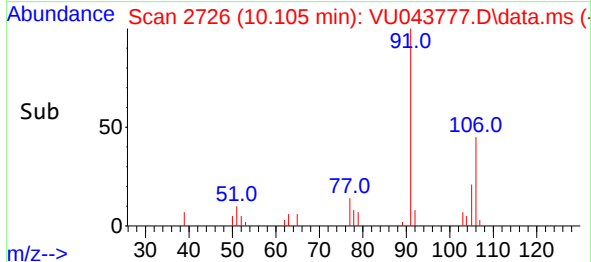
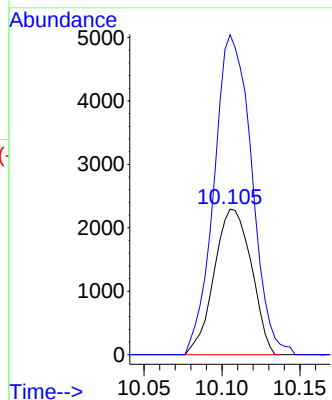
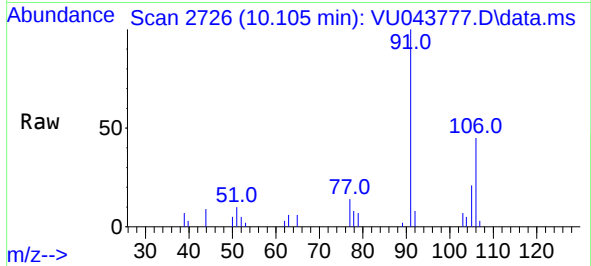




#54
o-Xylene
Concen: 0.15 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU043777.D
Acq: 15 May 2021 00:16

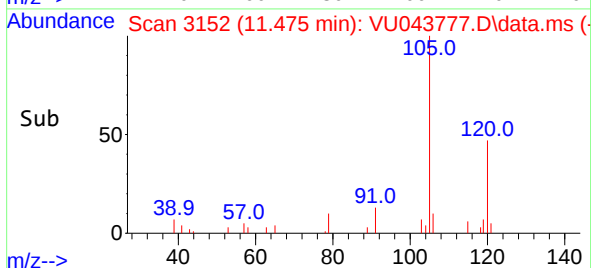
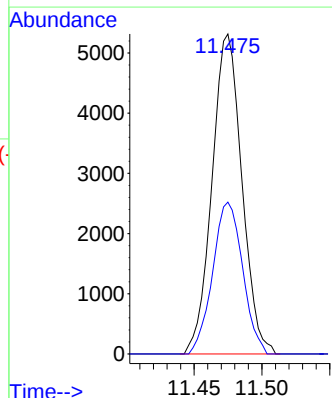
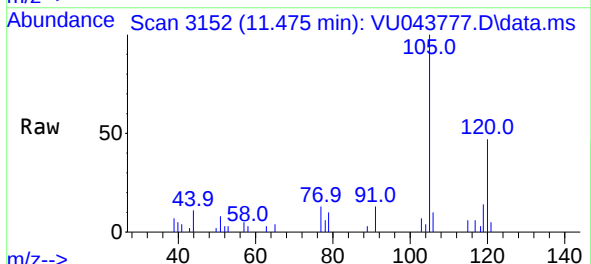
Instrument :
MSVOA_U
ClientSampleId :
BG6M2

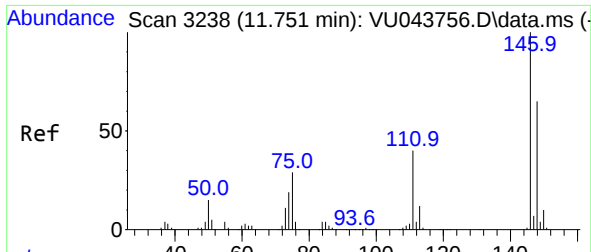
Tgt Ion:106 Resp: 3809
Ion Ratio Lower Upper
106 100
91 219.8 150.8 280.0



#63
1,2,4-Trimethylbenzene
Concen: 0.16 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VU043777.D
Acq: 15 May 2021 00:16

Tgt Ion:105 Resp: 8142
Ion Ratio Lower Upper
105 100
120 47.5 36.0 54.0

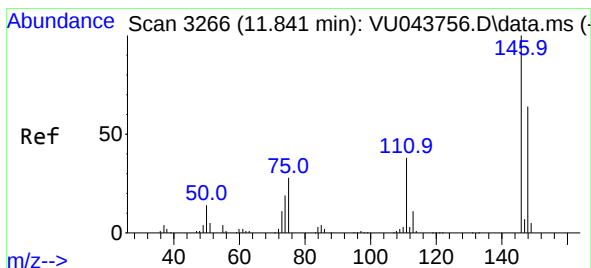
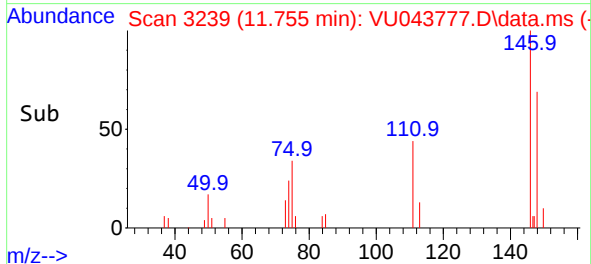
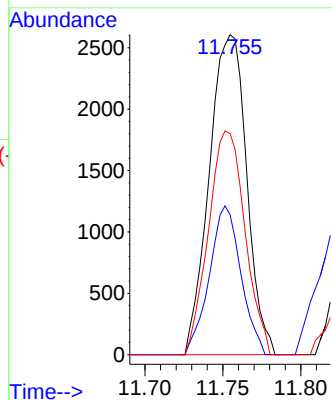
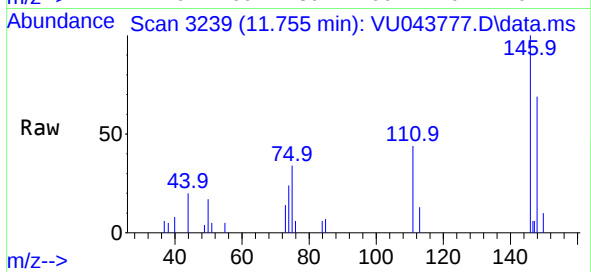




#64
1,3-Dichlorobenzene
Concen: 0.14 ug/L
RT: 11.755 min Scan# 3239
Delta R.T. 0.003 min
Lab File: VU043777.D
Acq: 15 May 2021 00:16

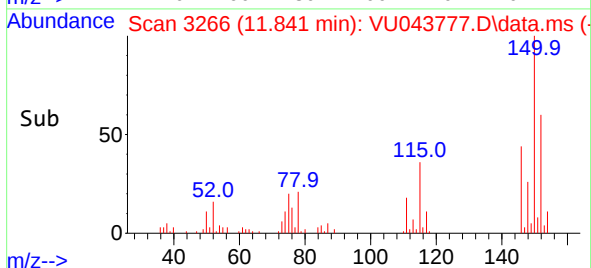
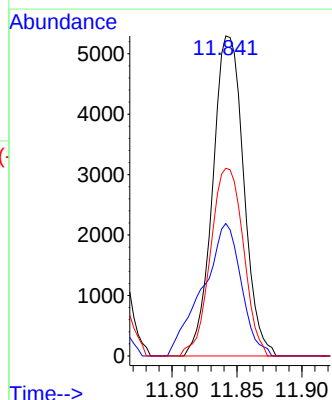
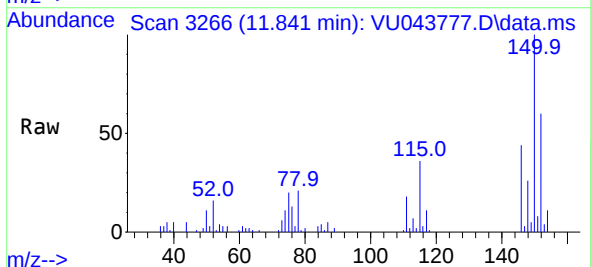
Instrument :
MSVOA_U
ClientSampled :
BG6M2

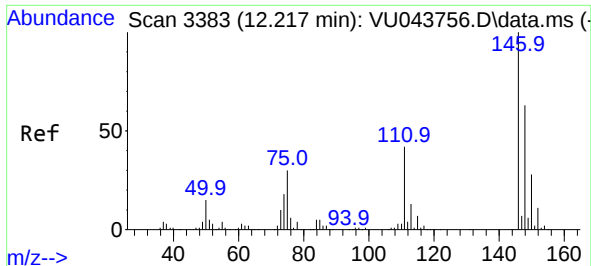
Tgt Ion:146 Resp: 4344
Ion Ratio Lower Upper
146 100
111 43.7 28.1 52.1
148 69.1 45.6 84.6



#65
1,4-Dichlorobenzene
Concen: 0.28 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU043777.D
Acq: 15 May 2021 00:16

Tgt Ion:146 Resp: 8771
Ion Ratio Lower Upper
146 100
111 41.4 27.0 50.2
148 58.7 45.0 83.6

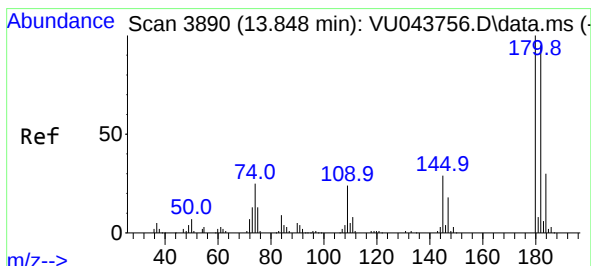
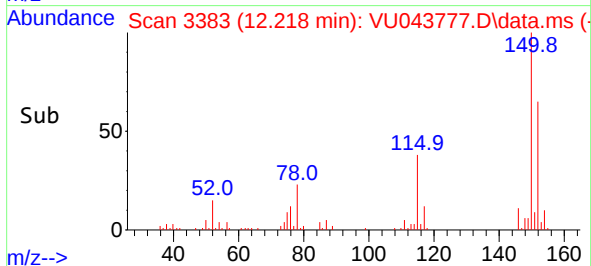
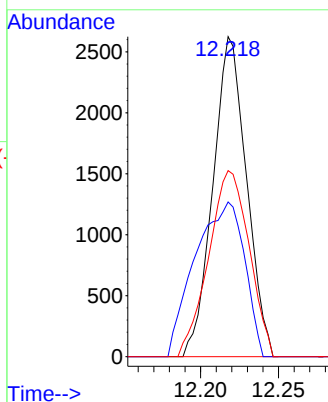
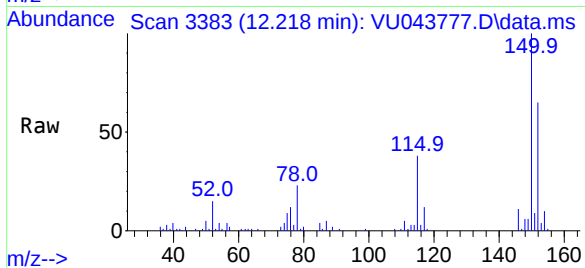




#67
1,2-Dichlorobenzene
Concen: 0.13 ug/L
RT: 12.218 min Scan# 3383
Delta R.T. 0.000 min
Lab File: VU043777.D
Acq: 15 May 2021 00:16

Instrument :
MSVOA_U
ClientSampled :
BG6M2

Tgt Ion:146 Resp: 3929
Ion Ratio Lower Upper
146 100
111 48.3 33.6 50.4
148 58.2 50.2 75.2



#70
1,2,4-trichlorobenzene
Concen: 0.11 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. 0.000 min
Lab File: VU043777.D
Acq: 15 May 2021 00:16

Tgt Ion:180 Resp: 2228
Ion Ratio Lower Upper
180 100
182 99.0 76.9 115.3
145 25.1 23.0 34.4

