

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077841.D
 Acq On : 24 May 2023 05:25
 Operator : JC\MD
 Sample : 02892-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-29

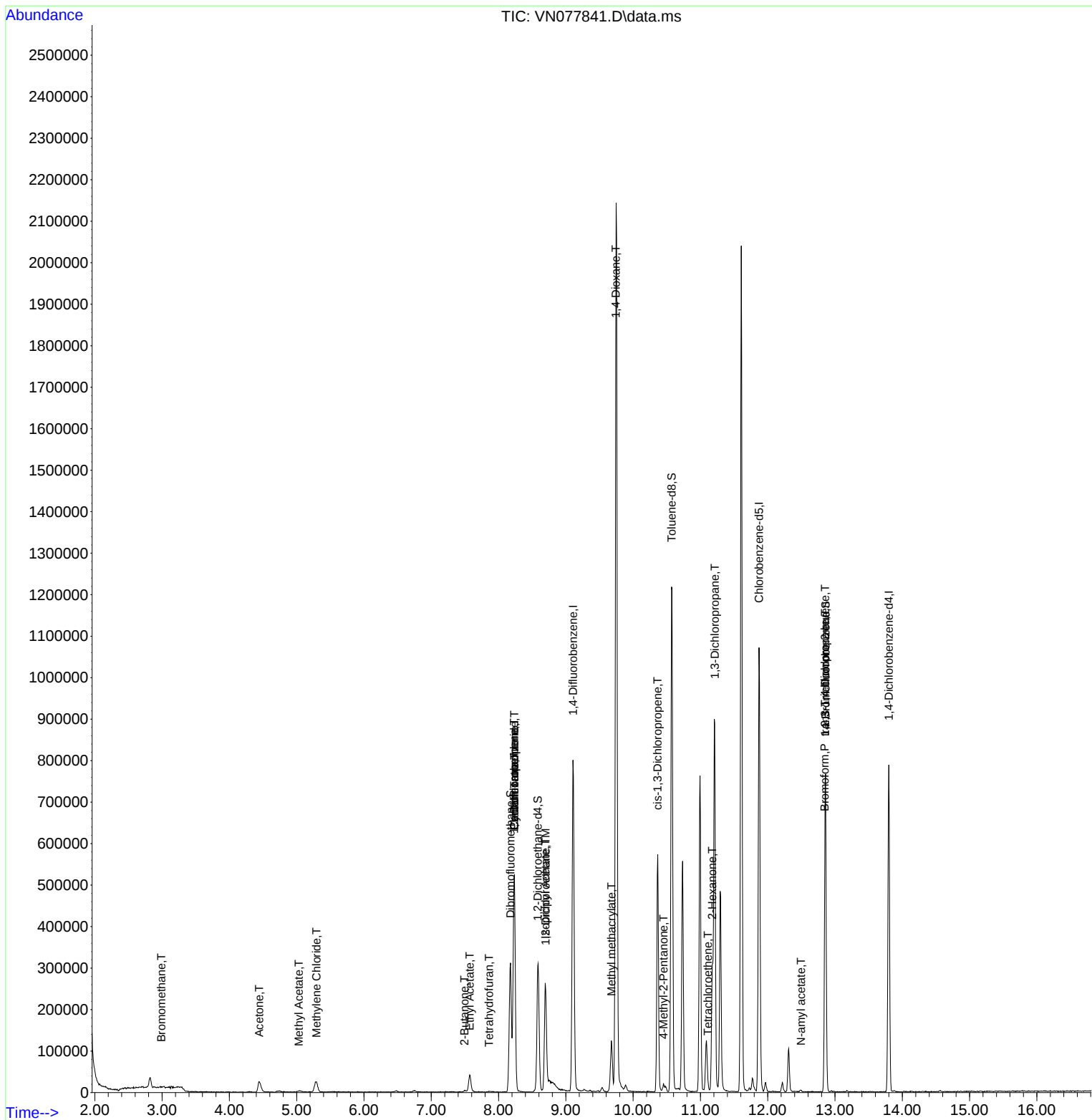
Quant Time: May 24 06:00:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

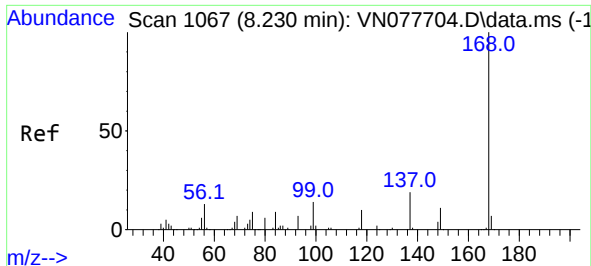
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.236	168	387395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	708363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	642380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	210337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	260992	45.026	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.060%		
35) Dibromofluoromethane	8.177	113	223398	48.363	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.720%		
50) Toluene-d8	10.571	98	886062	49.836	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.680%		
62) 4-Bromofluorobenzene	12.859	95	285201	45.419	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.840%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	968	Below Cal	#	76
5) Bromomethane	2.989	94	1214	0.295	ug/l #	64
13) Acrolein	4.201	56	357	Below Cal	#	34
16) Acetone	4.442	43	48925	26.828	ug/l	93
18) Methyl Acetate	5.030	43	2803	0.366	ug/l	91
20) Methylene Chloride	5.295	84	22374	2.851	ug/l #	82
25) 2-Butanone	7.494	43	4379	1.535	ug/l #	75
29) Tetrahydrofuran	7.859	42	1392	0.745	ug/l #	28
31) Cyclohexane	8.236	56	8771	1.113	ug/l #	9
36) 1,1-Dichloropropene	8.230	75	34202	5.062	ug/l #	48
37) Ethyl Acetate	7.571	43	60344	10.021	ug/l	98
38) Carbon Tetrachloride	8.236	117	41314	6.056	ug/l #	16
42) 1,2-Dichloroethane	8.700	62	1916	0.265	ug/l #	73
43) Isopropyl Acetate	8.694	43	308030	31.316	ug/l #	82
48) Methyl methacrylate	9.677	41	6970	1.495	ug/l #	32
49) 1,4-Dioxane	9.741	88	298	3.383	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	9961	1.704	ug/l	95
54) cis-1,3-Dichloropropene	10.365	75	108291	13.320	ug/l #	65
57) 1,3-Dichloropropane	11.212	76	10024	1.186	ug/l #	47
59) 2-Hexanone	11.177	43	350065	80.948	ug/l #	19
64) Tetrachloroethene	11.112	164	1724	0.384	ug/l #	67
71) Bromoform	12.847	173	1704	0.532	ug/l #	28
74) N-amyl acetate	12.494	43	1891	0.282	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	144872	27.503	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	144872	87.912	ug/l #	15

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

Quant Time: May 24 06:00:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
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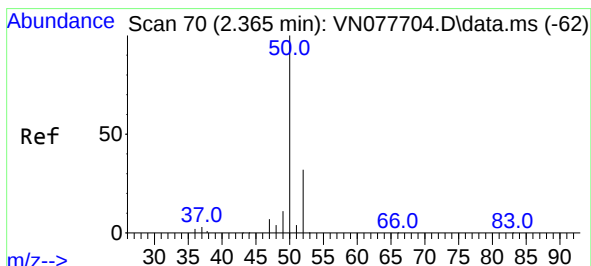
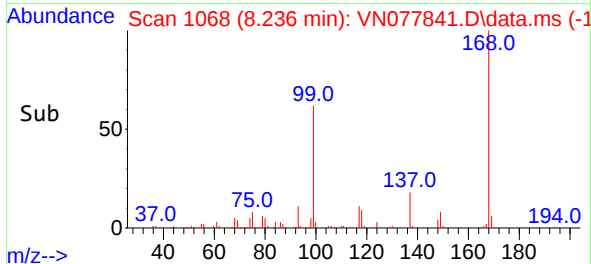
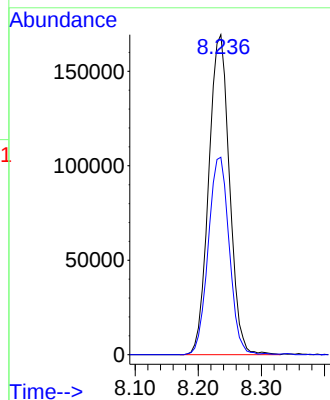
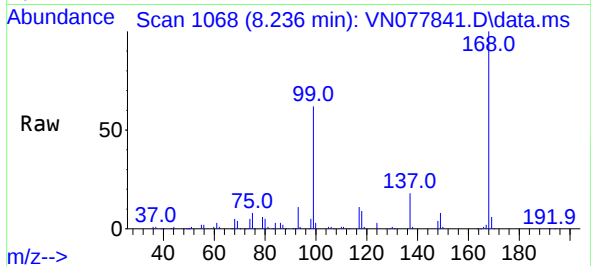




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

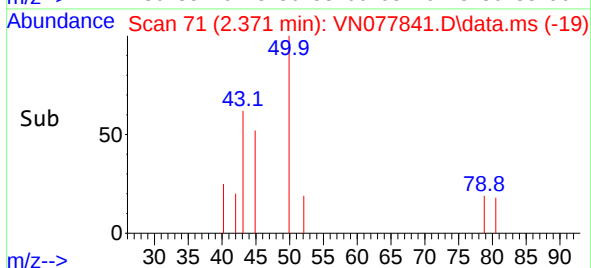
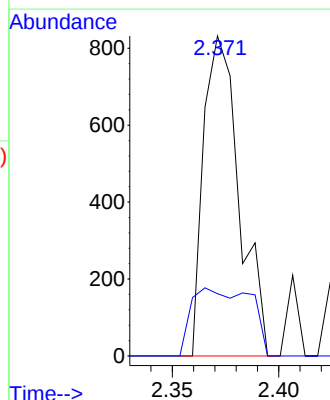
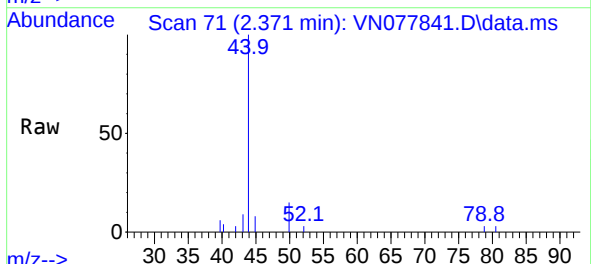
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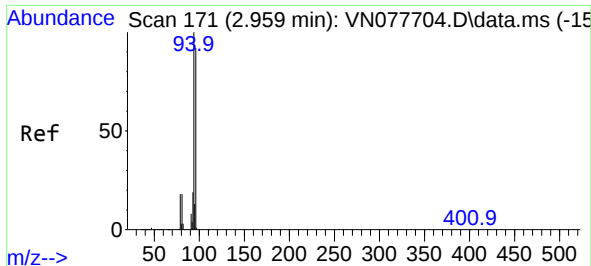
Tgt Ion:168 Resp: 387395
Ion Ratio Lower Upper
168 100
99 61.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

Tgt Ion: 50 Resp: 968
Ion Ratio Lower Upper
50 100
52 19.5 26.5 39.7#

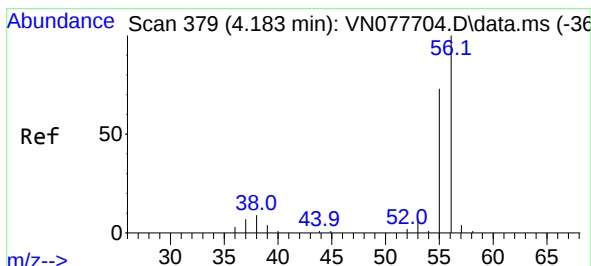
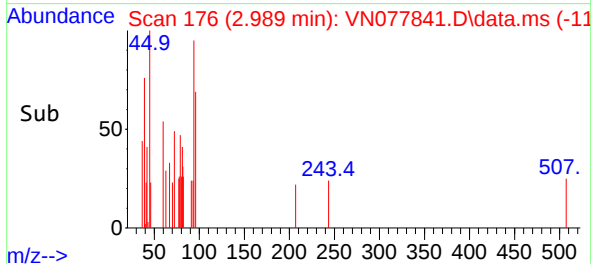
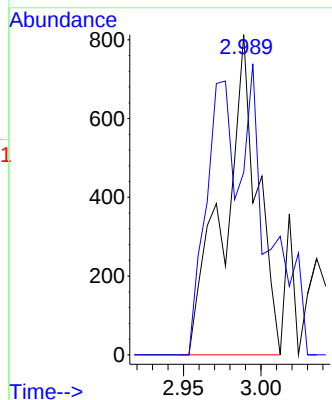
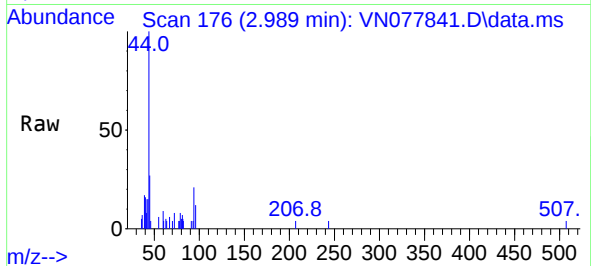




#5
Bromomethane
Concen: 0.295 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.042 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

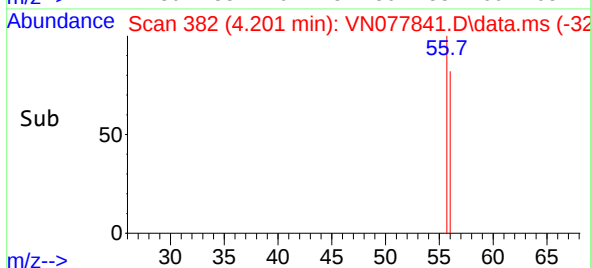
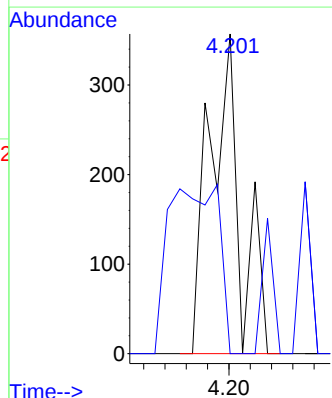
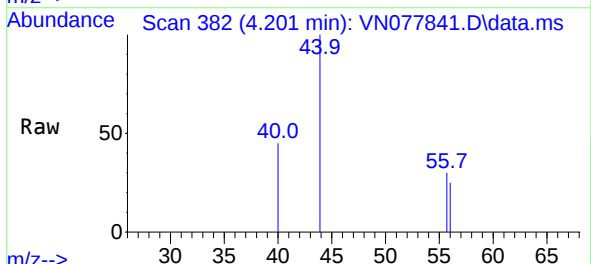
Instrument :
MSVOA_N
ClientSampleId :
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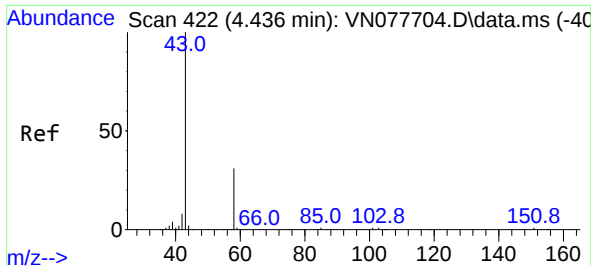
Tgt Ion: 94 Resp: 1214
Ion Ratio Lower Upper
94 100
96 56.9 73.1 109.7#



#13
Acrolein
Concen: Below Cal
RT: 4.201 min Scan# 382
Delta R.T. 0.012 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

Tgt Ion: 56 Resp: 357
Ion Ratio Lower Upper
56 100
55 14.8 54.5 81.7#

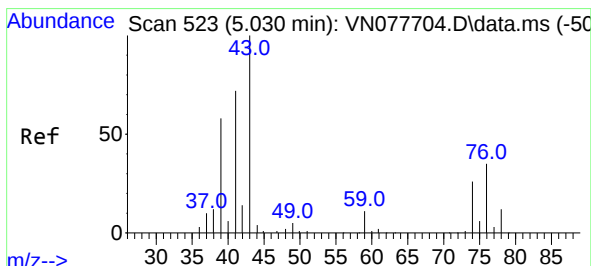
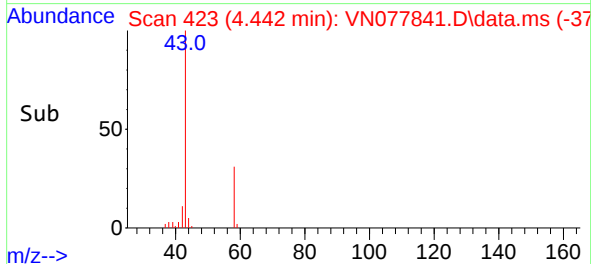
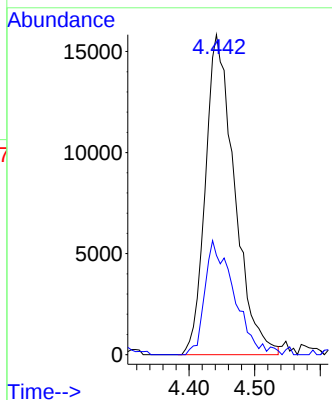
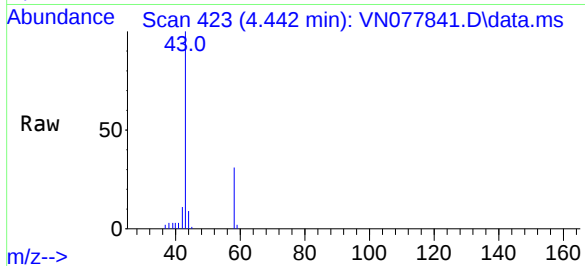




#16
Acetone
Concen: 26.828 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

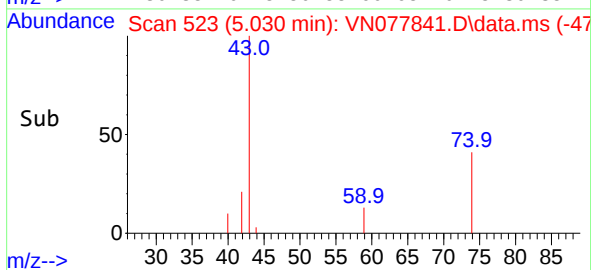
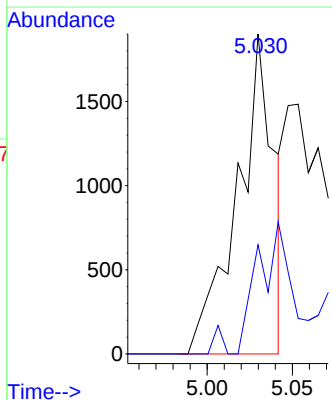
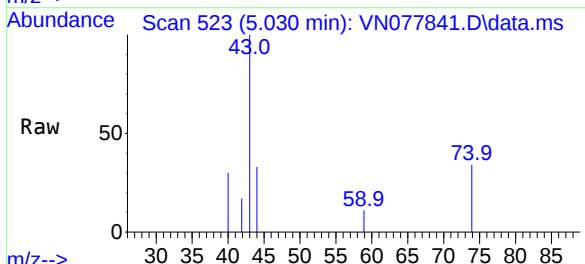
Instrument :
MSVOA_N
ClientSampleId :
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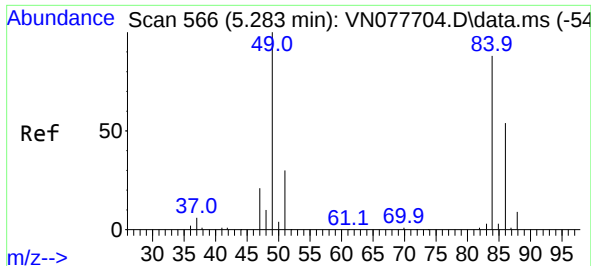
Tgt Ion: 43 Resp: 48925
Ion Ratio Lower Upper
43 100
58 31.1 28.0 42.0



#18
Methyl Acetate
Concen: 0.366 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.006 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

Tgt Ion: 43 Resp: 2803
Ion Ratio Lower Upper
43 100
74 38.0 26.2 39.4

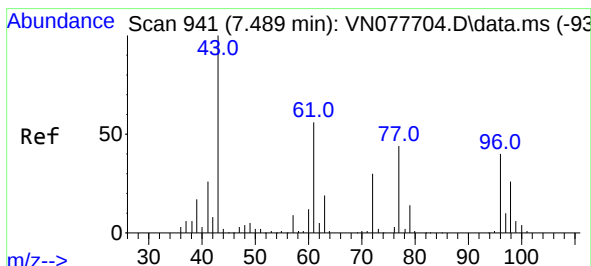
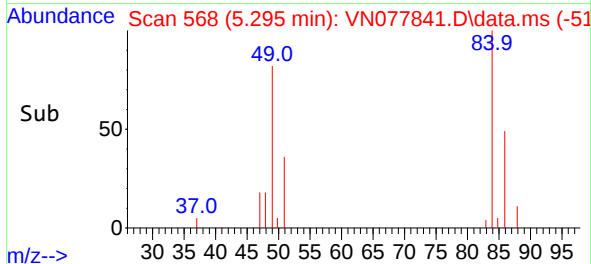
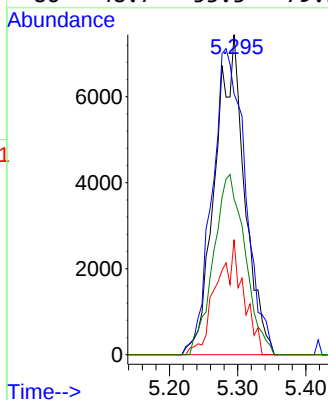
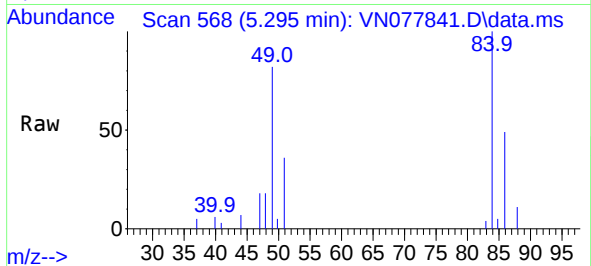




#20
Methylene Chloride
Concen: 2.851 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

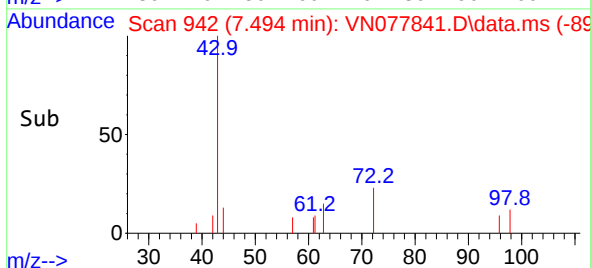
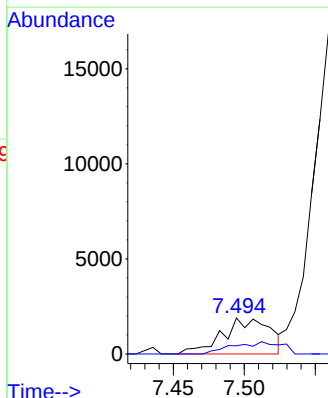
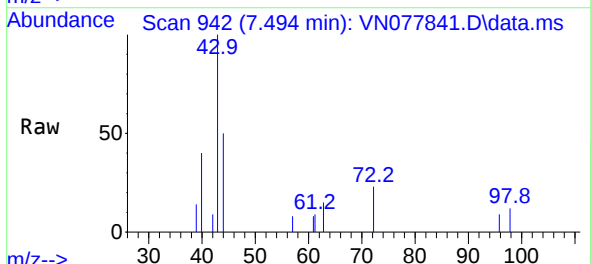
Instrument :
MSVOA_N
ClientSampleId :
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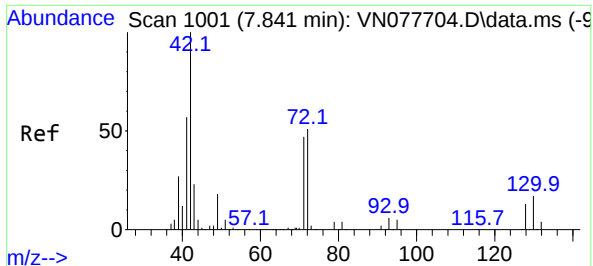
Tgt Ion:	84	Resp:	22374
Ion	Ratio	Lower	Upper
84	100		
49	81.5	79.7	119.5
51	35.9	25.2	37.8
86	48.7	53.3	79.9#



#25
2-Butanone
Concen: 1.535 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

Tgt Ion:	43	Resp:	4379
Ion	Ratio	Lower	Upper
43	100		
72	22.8	30.2	45.2#

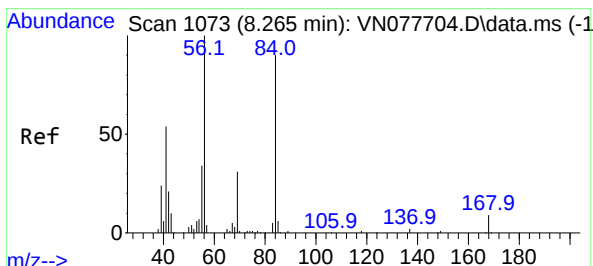
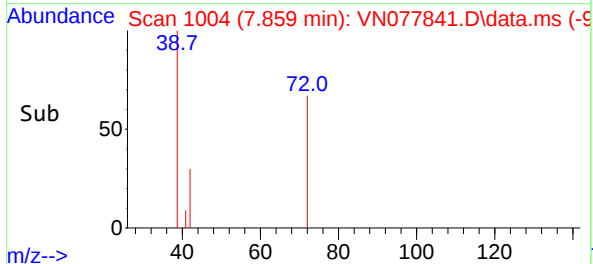
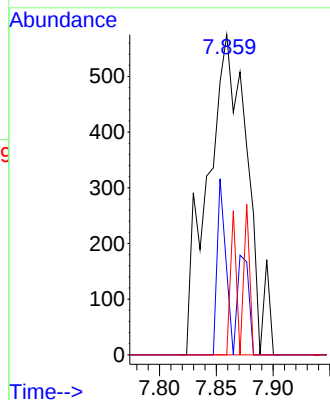
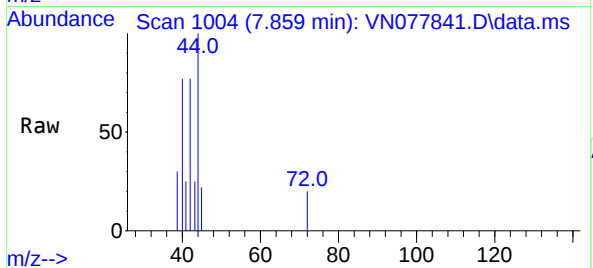




#29
Tetrahydrofuran
Concen: 0.745 ug/l
RT: 7.859 min Scan# 1068
Delta R.T. 0.018 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

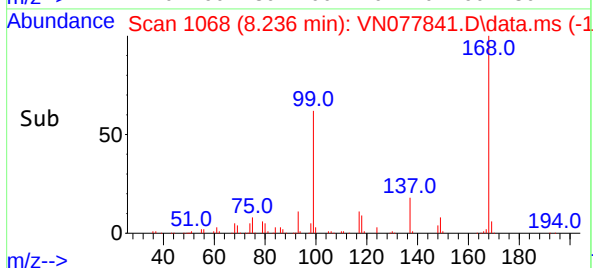
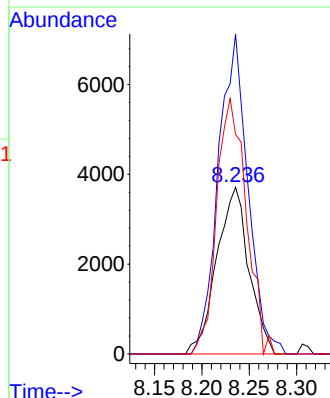
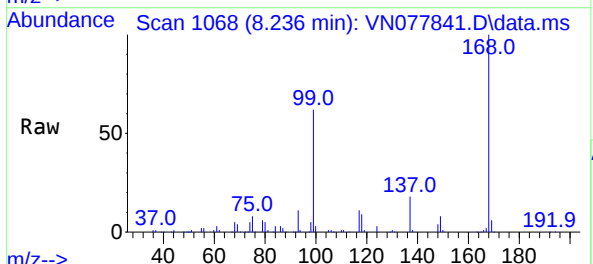
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ClientSampleId :
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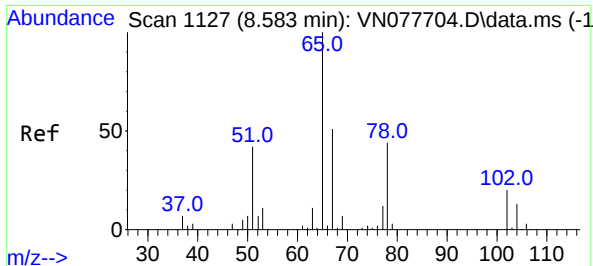
Tgt Ion: 42 Resp: 1392
Ion Ratio Lower Upper
42 100
72 11.9 49.8 74.6#
71 0.0 47.4 71.2#



#31
Cyclohexane
Concen: 1.113 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

Tgt Ion: 56 Resp: 8771
Ion Ratio Lower Upper
56 100
69 192.0 26.8 40.2#
84 131.8 81.8 122.6#

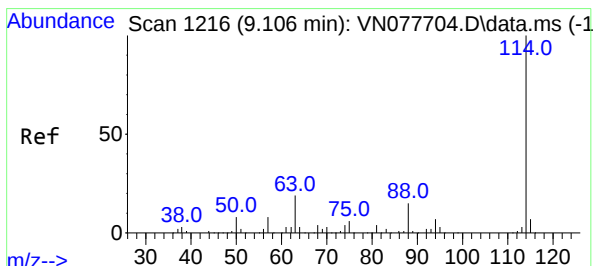
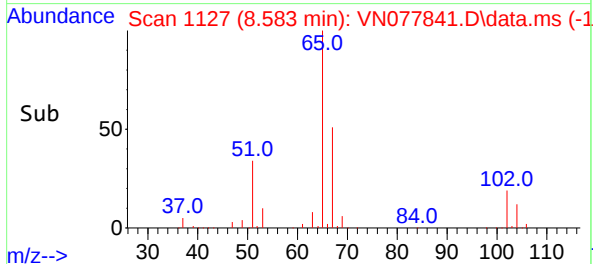
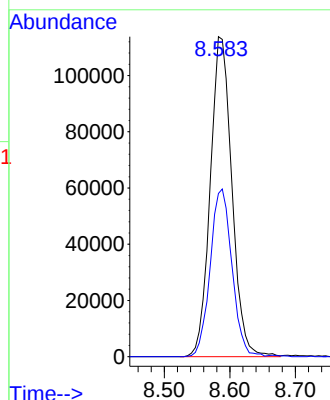
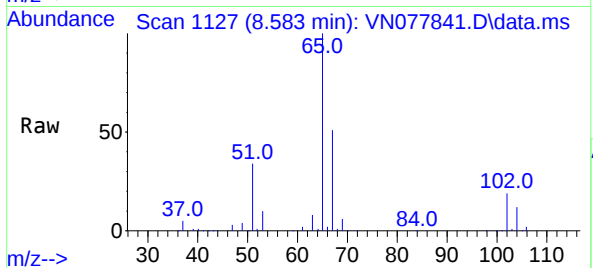




#33
1,2-Dichloroethane-d4
Concen: 45.026 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

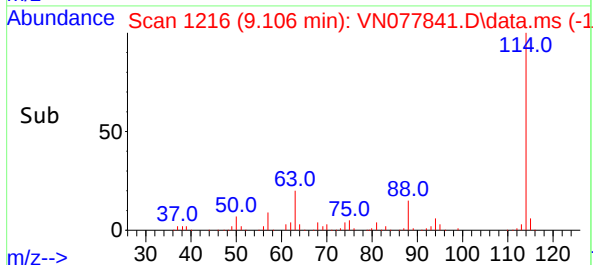
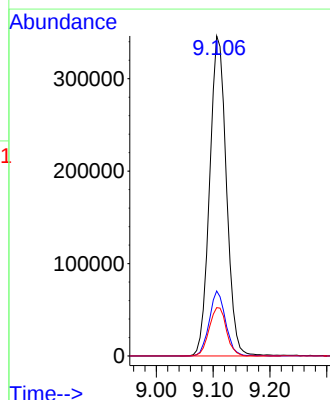
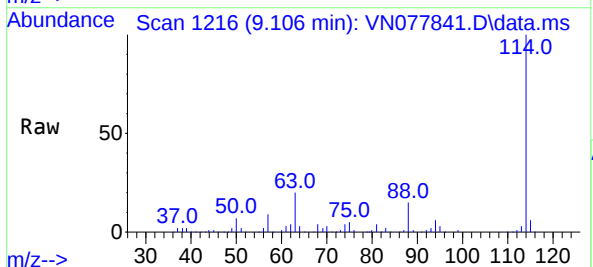
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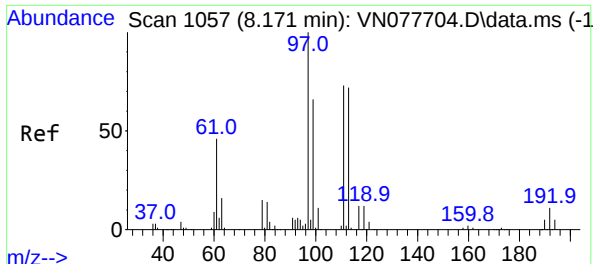
Tgt Ion: 65 Resp: 260992
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

Tgt Ion: 114 Resp: 708363
Ion Ratio Lower Upper
114 100
63 20.3 0.0 36.4
88 15.1 0.0 30.6

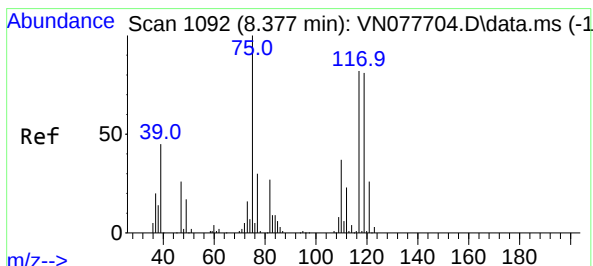
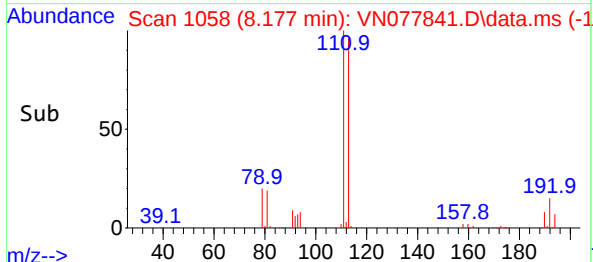
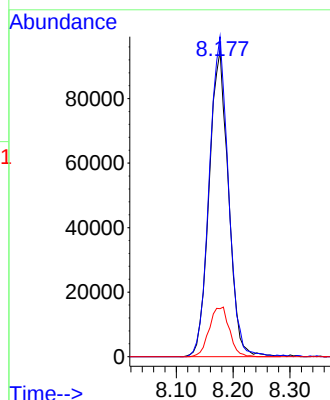
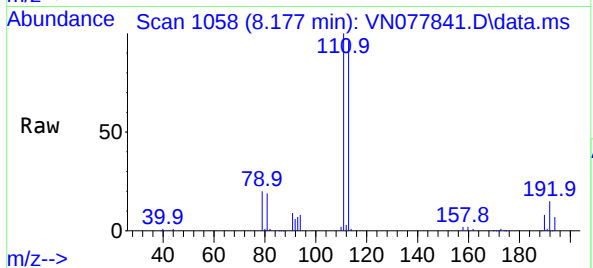




#35
Dibromofluoromethane
Concen: 48.363 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

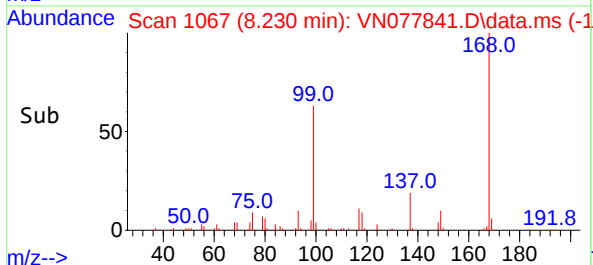
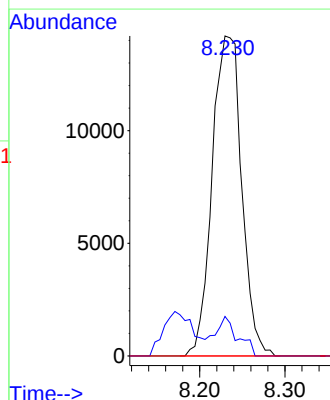
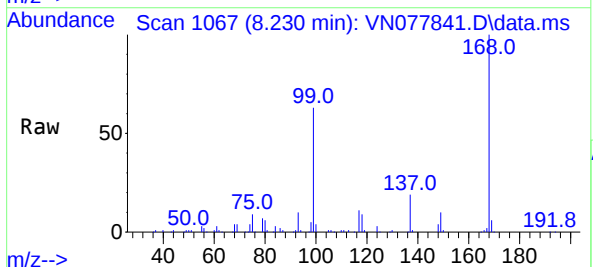
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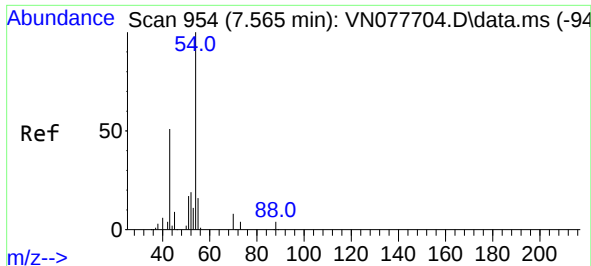
Tgt Ion:113 Resp: 223398
Ion Ratio Lower Upper
113 100
111 103.7 82.6 123.8
192 16.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.062 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

Tgt Ion: 75 Resp: 34202
Ion Ratio Lower Upper
75 100
110 9.5 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 10.021 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN077841.D

Acq: 24 May 2023 05:25

Instrument :

MSVOA_N

ClientSampleId :

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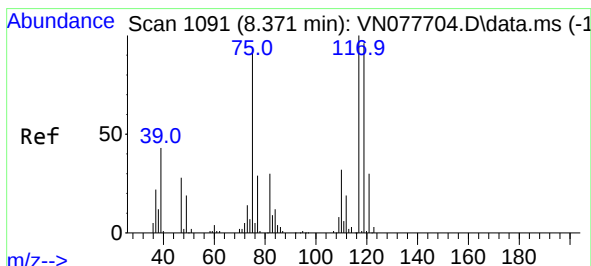
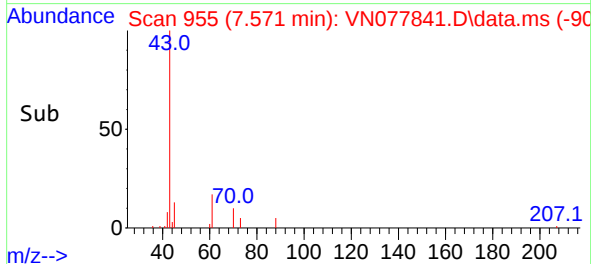
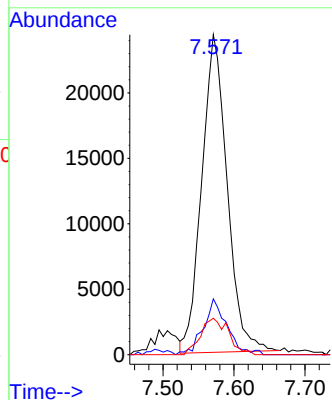
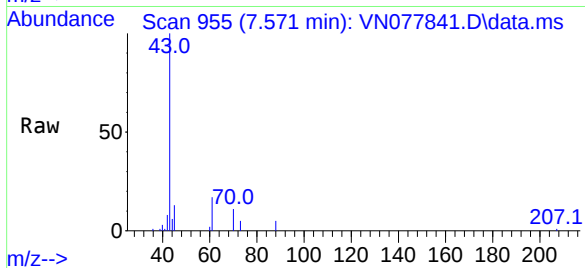
Tgt Ion: 43 Resp: 60344

Ion Ratio Lower Upper

43 100

61 16.4 13.2 19.8

70 12.7 11.3 16.9



#38

Carbon Tetrachloride

Concen: 6.056 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN077841.D

Acq: 24 May 2023 05:25

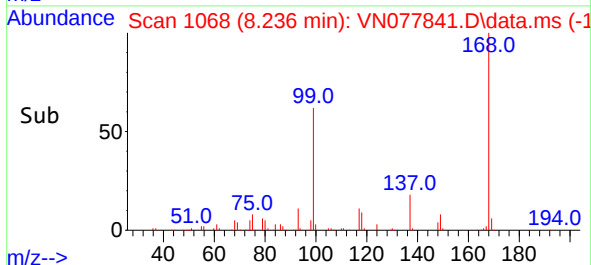
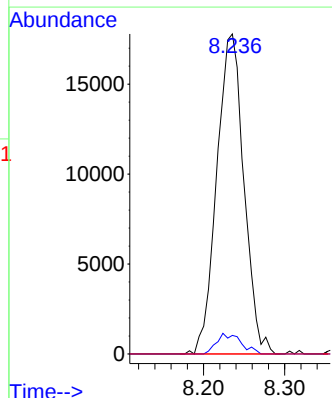
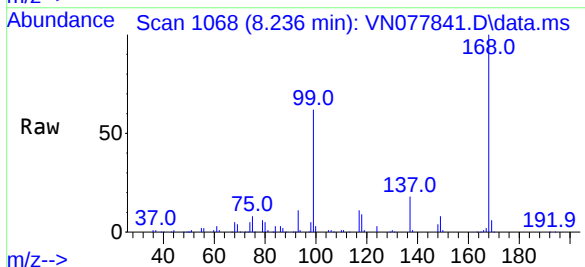
Tgt Ion: 117 Resp: 41314

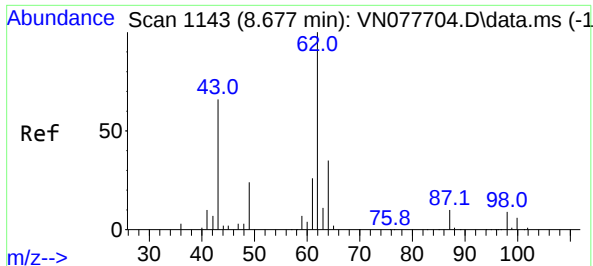
Ion Ratio Lower Upper

117 100

119 5.8 77.3 115.9#

121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.265 ug/l

RT: 8.700 min Scan# 1143

Delta R.T. 0.023 min

Lab File: VN077841.D

Acq: 24 May 2023 05:25

Instrument :

MSVOA_N

ClientSampleId :

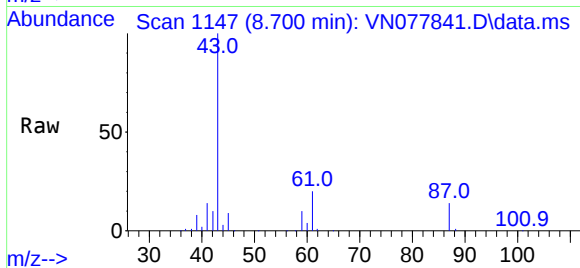
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Tgt Ion: 62 Resp: 1916

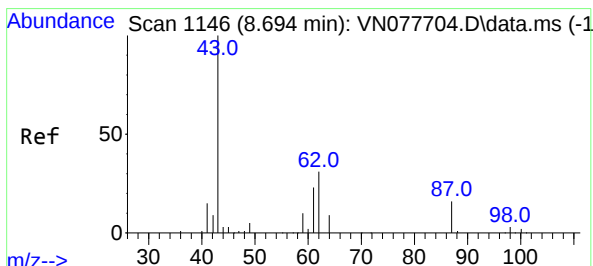
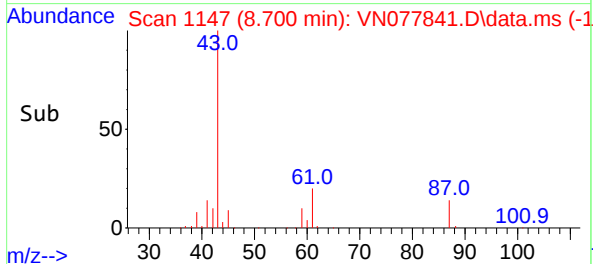
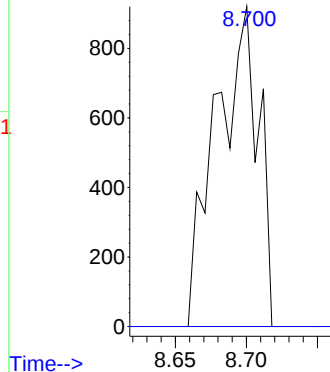
Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



Abundance



#43

Isopropyl Acetate

Concen: 31.316 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN077841.D

Acq: 24 May 2023 05:25

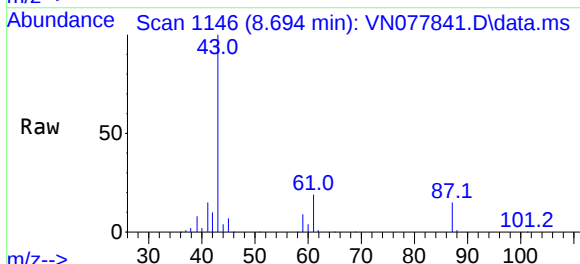
Tgt Ion: 43 Resp: 308030

Ion Ratio Lower Upper

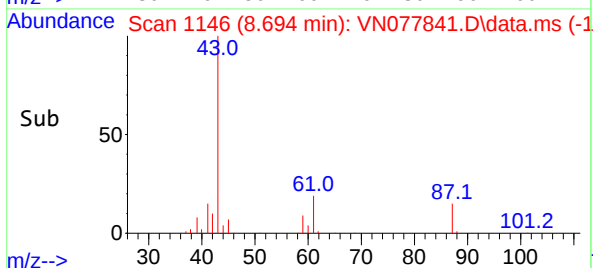
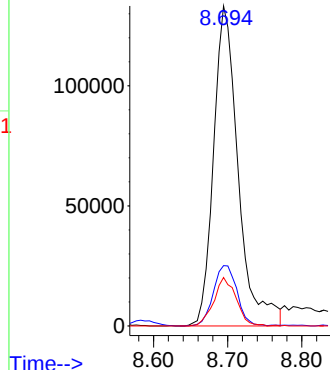
43 100

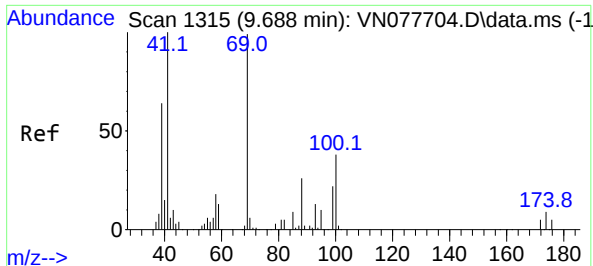
61 18.1 24.7 37.1#

87 13.8 14.6 21.8#



Abundance

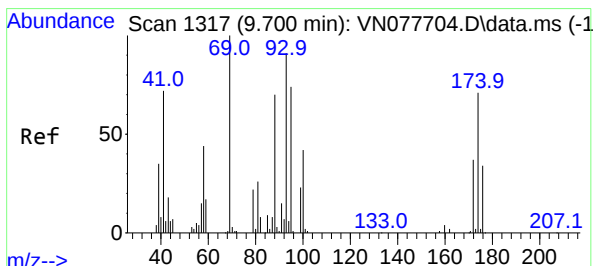
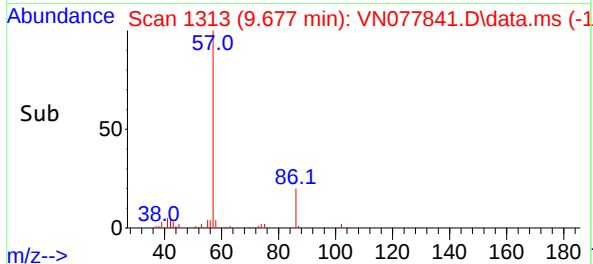
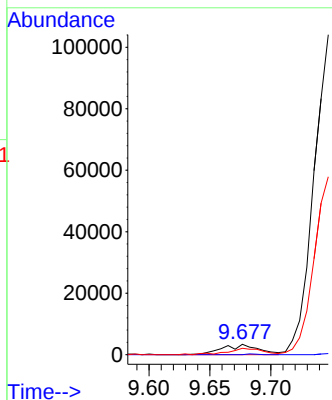
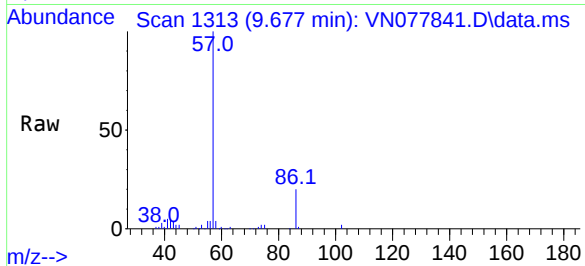




#48
Methyl methacrylate
Concen: 1.495 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

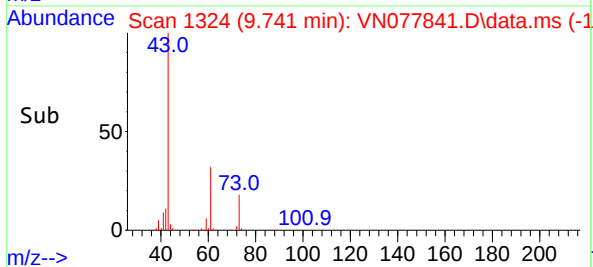
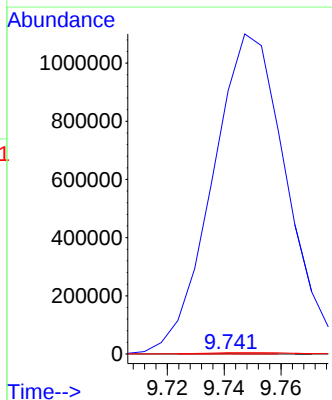
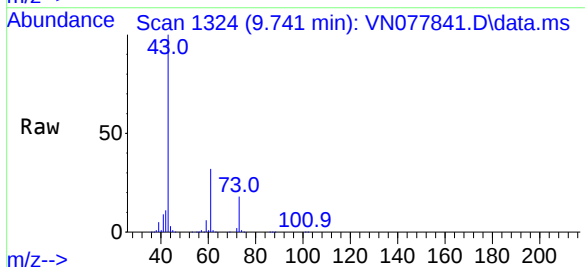
Instrument :
MSVOA_N
ClientSampleId :
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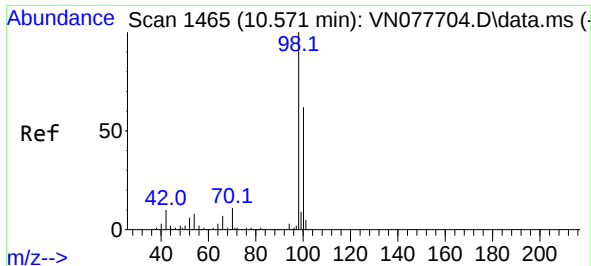
Tgt Ion: 41 Resp: 6970
Ion Ratio Lower Upper
41 100
69 2.2 90.4 135.6#
39 60.2 54.6 81.8



#49
1,4-Dioxane
Concen: 3.383 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

Tgt Ion: 88 Resp: 298
Ion Ratio Lower Upper
88 100
43 682481.5 17.0 25.6#
58 3302.3 47.0 70.4#

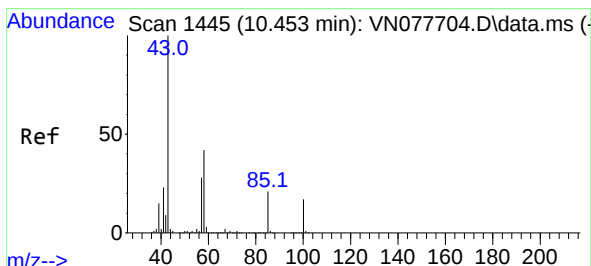
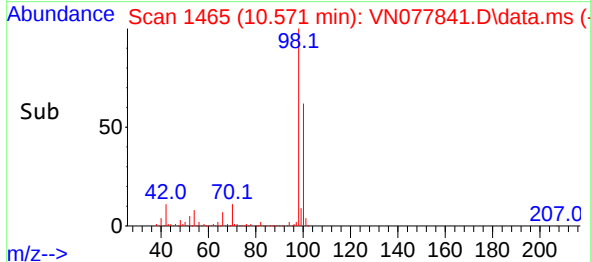
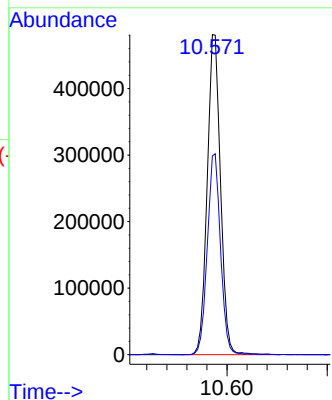
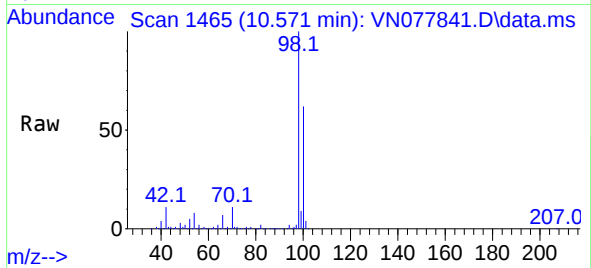




#50
Toluene-d8
Concen: 49.836 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

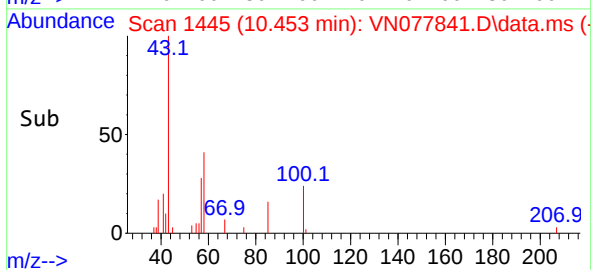
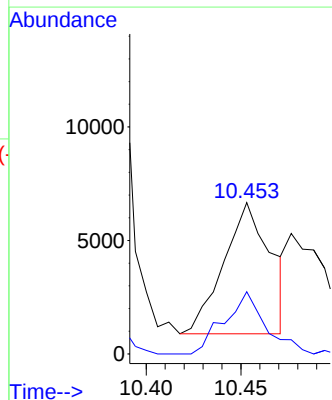
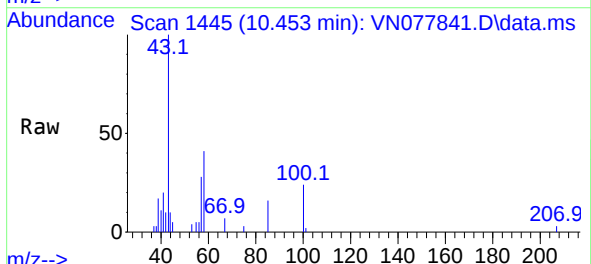
Instrument :
MSVOA_N
ClientSampleId :
TP-29

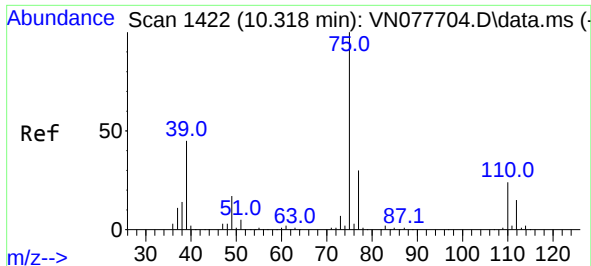
Tgt Ion: 98 Resp: 886062
Ion Ratio Lower Upper
98 100
100 62.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.704 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

Tgt Ion: 43 Resp: 9961
Ion Ratio Lower Upper
43 100
58 42.3 36.6 54.8

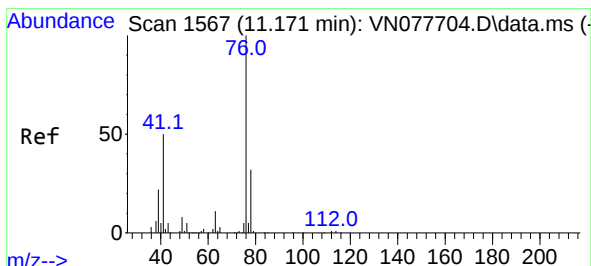
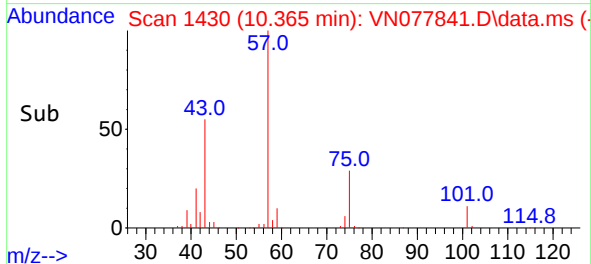
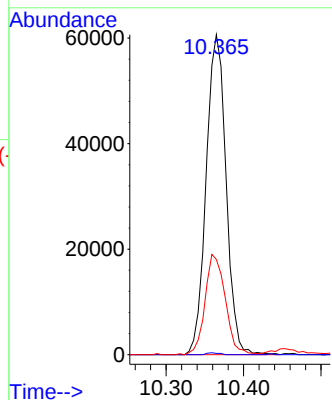
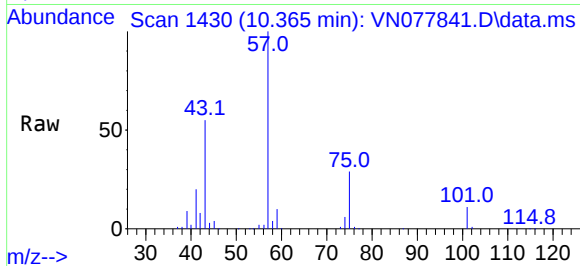




#54
cis-1,3-Dichloropropene
Concen: 13.320 ug/l
RT: 10.365 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

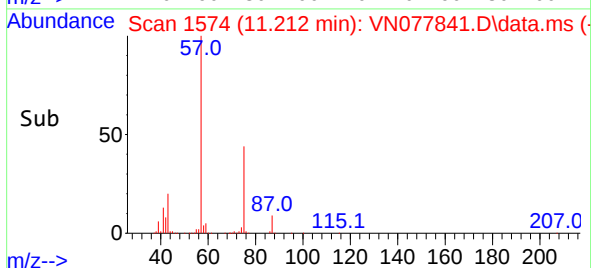
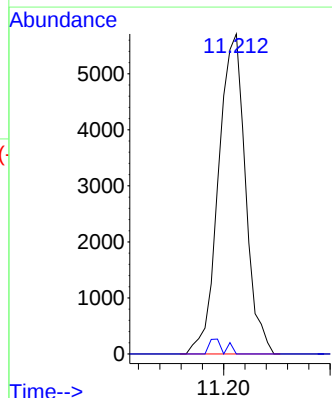
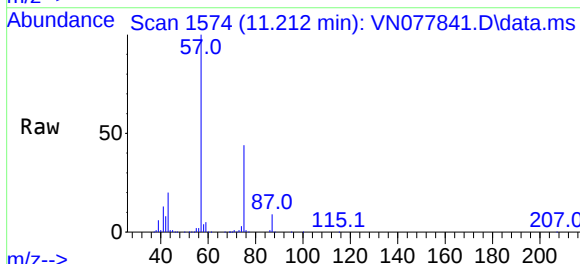
Instrument :
MSVOA_N
ClientSampleId :
TP-29

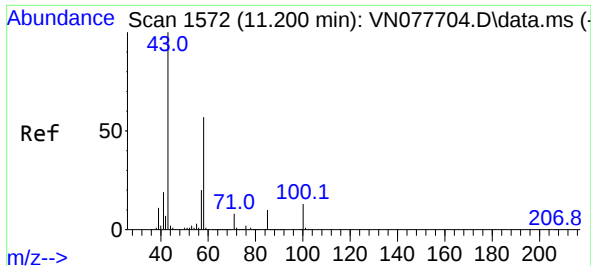
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.4	26.1	39.1#
39	29.5	31.6	47.4#



#57
1,3-Dichloropropane
Concen: 1.186 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.041 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

Tgt Ion	Ratio	Lower	Upper
76	100		
78	2.6	26.1	39.1#

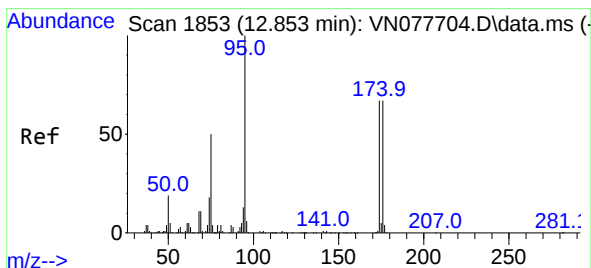
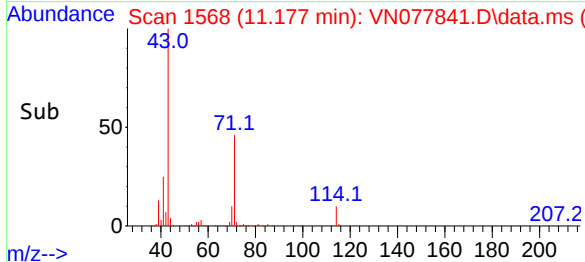
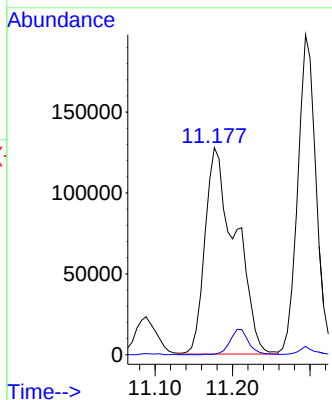
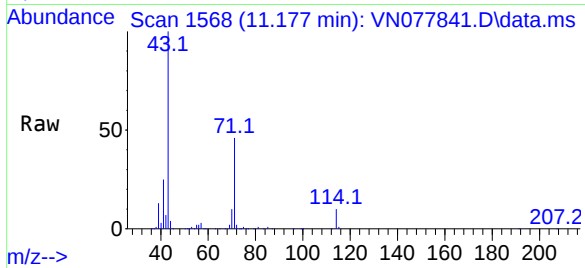




#59
2-Hexanone
Concen: 80.948 ug/l
RT: 11.177 min Scan# 111
Delta R.T. -0.023 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

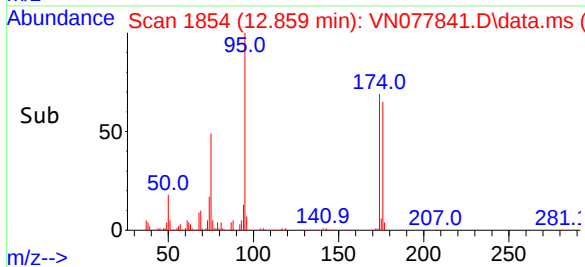
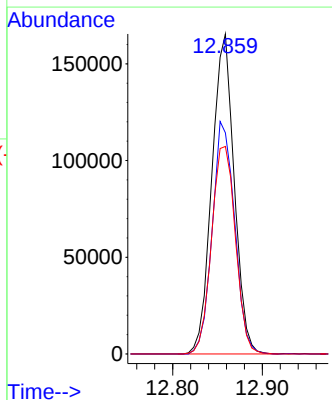
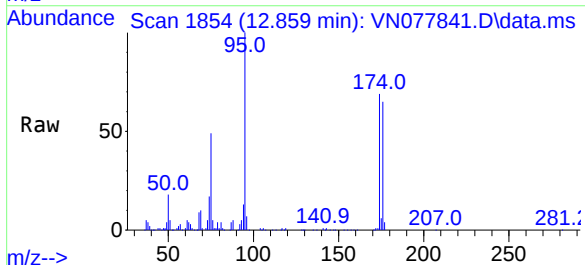
Instrument :
MSVOA_N
ClientSampleId :
TP-29

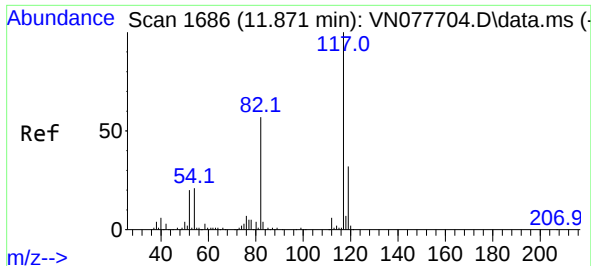
Tgt Ion: 43 Resp: 350065
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 45.419 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

Tgt Ion: 95 Resp: 285201
Ion Ratio Lower Upper
95 100
174 72.9 0.0 143.8
176 69.5 0.0 135.8

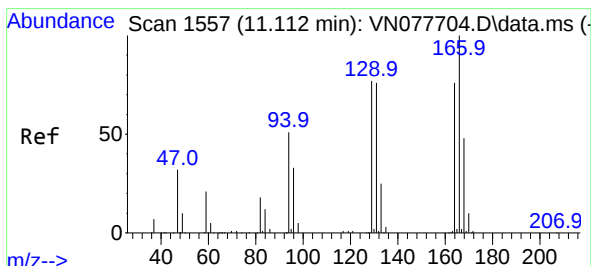
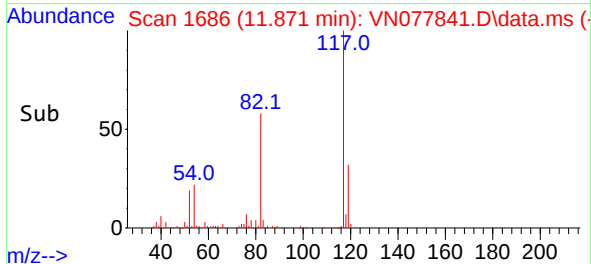
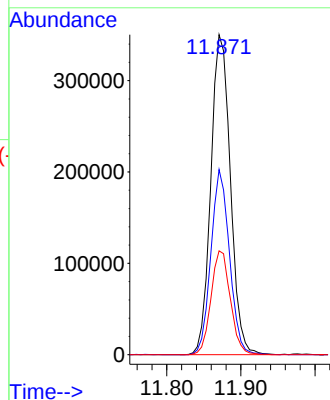
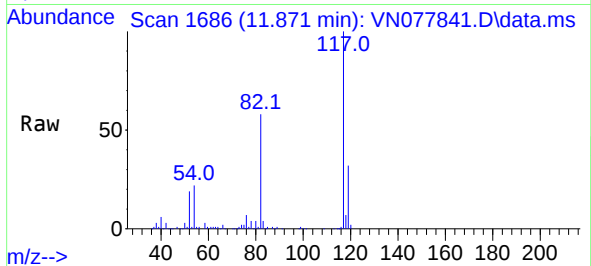




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.001 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

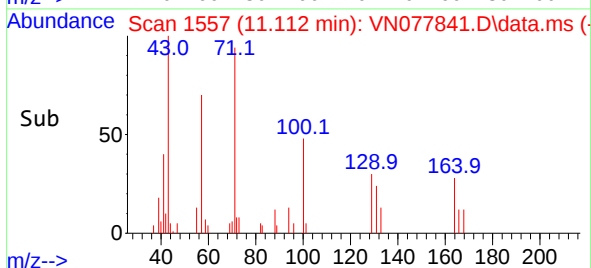
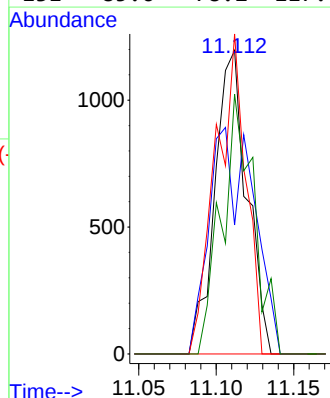
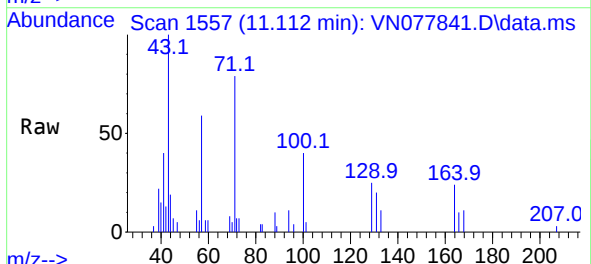
Instrument :
MSVOA_N
ClientSampleId :
TP-29

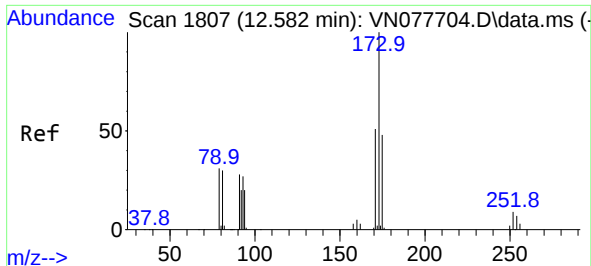
Tgt Ion:117 Resp: 642380
Ion Ratio Lower Upper
117 100
82 57.8 44.0 66.0
119 32.5 25.6 38.4



#64
Tetrachloroethene
Concen: 0.384 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

Tgt Ion:164 Resp: 1724
Ion Ratio Lower Upper
164 100
166 42.5 101.4 152.0#
129 105.4 82.4 123.6
131 85.6 78.2 117.4

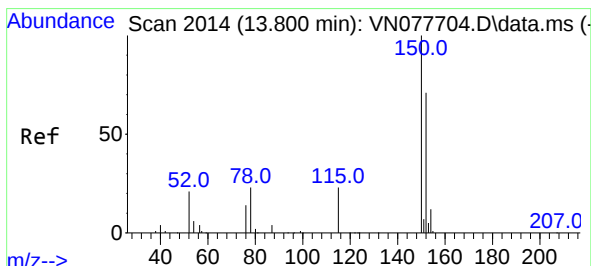
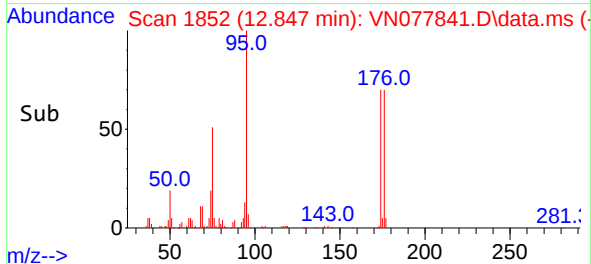
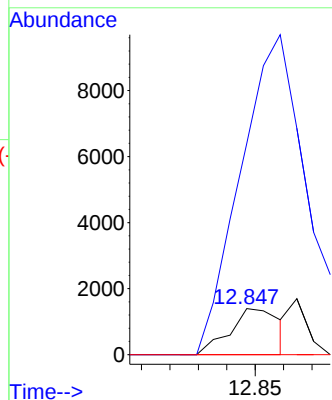
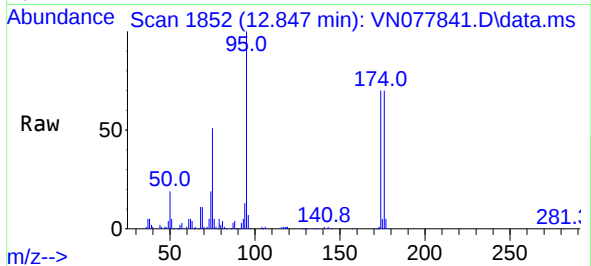




#71
Bromoform
Concen: 0.532 ug/l
RT: 12.847 min Scan# 1807
Delta R.T. 0.265 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

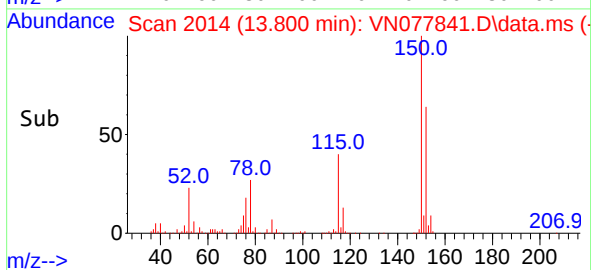
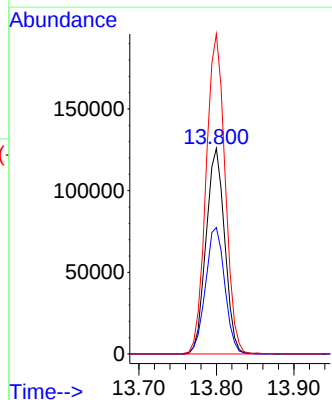
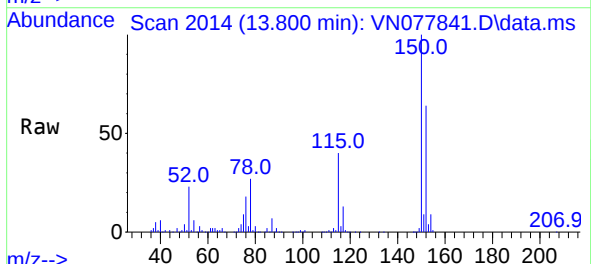
Instrument :
MSVOA_N
ClientSampleId :
TP-29

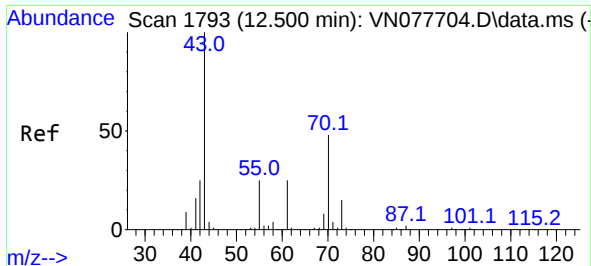
Tgt Ion:173 Resp: 1704
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

Tgt Ion:152 Resp: 210337
Ion Ratio Lower Upper
152 100
115 63.5 32.3 96.8
150 158.9 0.0 355.8

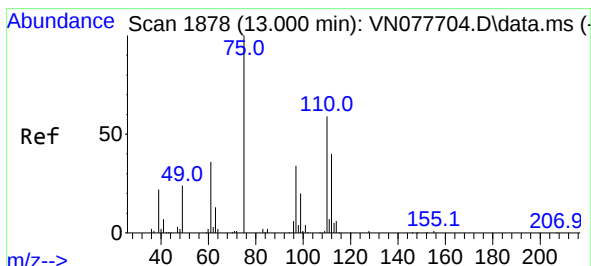
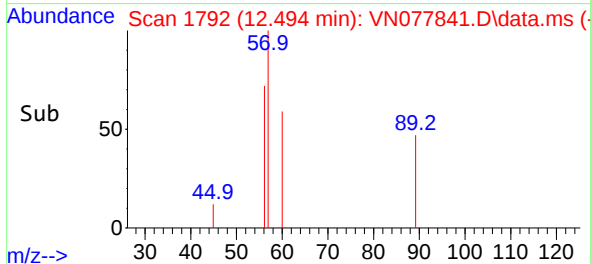
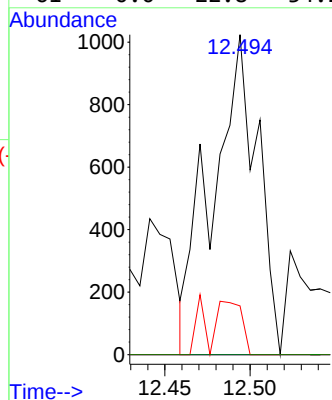
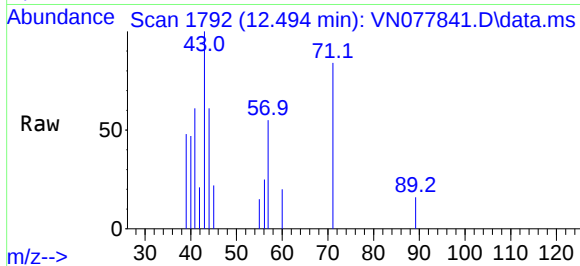




#74
N-amy1 acetate
Concen: 0.282 ug/l
RT: 12.494 min Scan# 1891
Delta R.T. -0.006 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

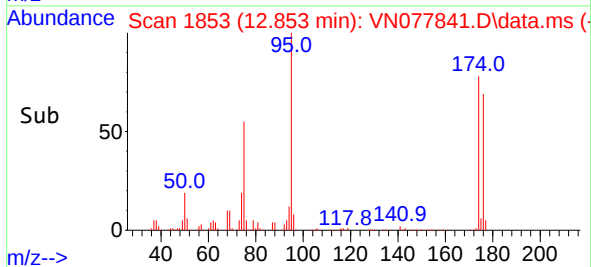
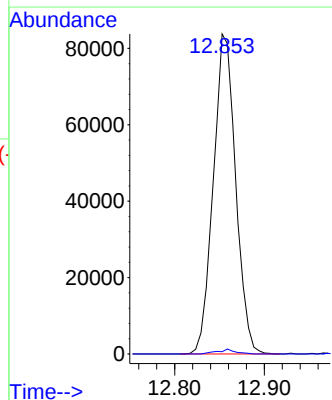
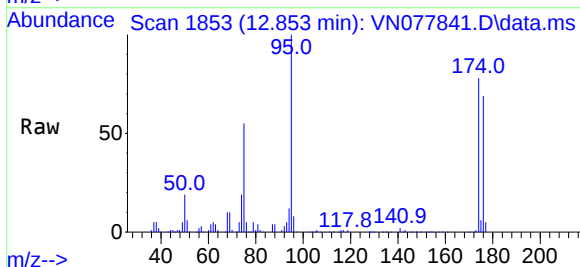
Instrument :
MSVOA_N
ClientSampleId :
TP-29

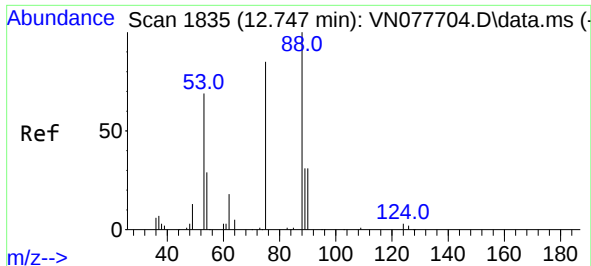
Tgt Ion: 43	Resp:	1891
Ion	Ratio	Lower Upper
43	100	
70	0.0	43.4 65.2#
55	9.2	21.4 32.0#
61	0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 27.503 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

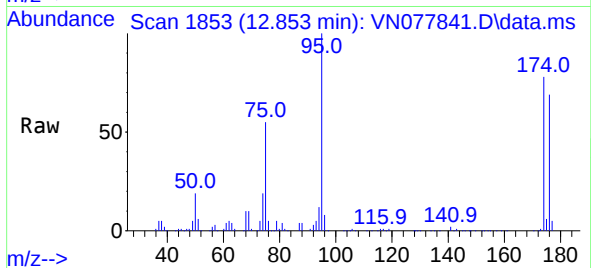
Tgt Ion: 75	Resp:	144872
Ion	Ratio	Lower Upper
75	100	
77	1.2	84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 87.912 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN077841.D
Acq: 24 May 2023 05:25

Instrument :
MSVOA_N
ClientSampleId :
TP-29



Tgt Ion: 75 Resp: 144872
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.1 38.8 58.2#

