

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
 Data File : VN083783.D
 Acq On : 11 Sep 2024 09:38
 Operator : JC\MD
 Sample : P3872-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 11 16:22:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

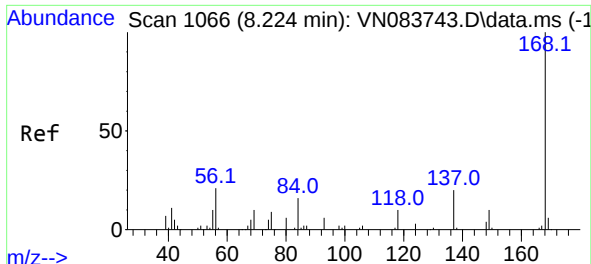
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.218	168	116022	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	247812	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	278929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	95673	54.688	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.380%	
35) Dibromofluoromethane	8.165	113	76665	48.325	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.640%	
50) Toluene-d8	10.565	98	278652	50.807	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.620%	
62) 4-Bromofluorobenzene	12.847	95	130594	57.714	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 115.420%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	797	Below Cal	#	41
5) Bromomethane	2.918	94	249	0.294	ug/l #	2
11) Tert butyl alcohol	5.500	59	718	3.065	ug/l #	71
13) Acrolein	4.171	56	82	0.355	ug/l #	1
16) Acetone	4.430	43	37287	53.168	ug/l	93
17) Carbon Disulfide	4.689	76	2580	0.735	ug/l #	75
18) Methyl Acetate	5.024	43	9586	4.886	ug/l #	79
20) Methylene Chloride	5.271	84	5602	3.903	ug/l #	88
25) 2-Butanone	7.494	43	5164	5.602	ug/l	93
31) Cyclohexane	8.218	56	3019	1.194	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	11066	4.634	ug/l #	52
37) Ethyl Acetate	7.559	43	3268	1.508	ug/l #	75
38) Carbon Tetrachloride	8.218	117	13931	5.142	ug/l #	16
43) Isopropyl Acetate	8.689	43	157956	40.216	ug/l #	85
44) Trichloroethene	9.353	130	4939	2.968	ug/l	97
45) 1,2-Dichloropropane	9.741	63	1127	0.649	ug/l #	42
48) Methyl methacrylate	9.665	41	3190	1.712	ug/l #	43
51) 4-Methyl-2-Pentanone	10.447	43	8790	4.111	ug/l #	72
53) t-1,3-Dichloropropene	10.730	75	546	0.205	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	37808	13.485	ug/l #	64
56) Ethyl methacrylate	10.988	69	985	0.390	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4873	1.728	ug/l #	42
59) 2-Hexanone	11.200	43	59752	37.780	ug/l #	54
60) Dibromochloromethane	11.100	129	12179	6.631	ug/l #	10
64) Tetrachloroethene	11.100	164	12418	6.695	ug/l	96
76) 1,2,3-Trichloropropane	12.847	75	73943	28.305	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73943	74.132	ug/l #	9

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

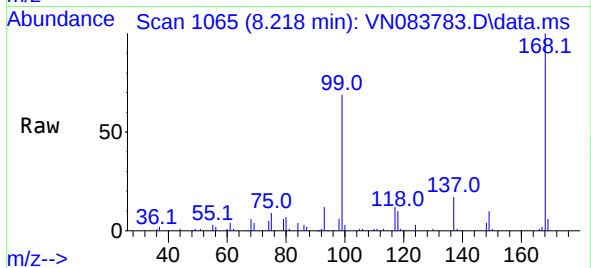
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



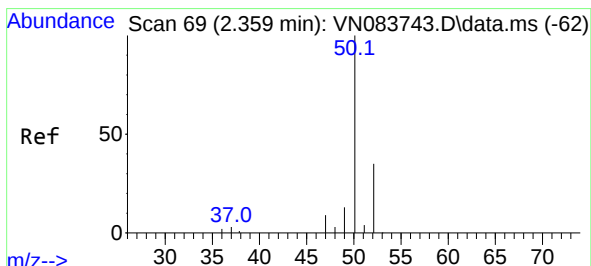
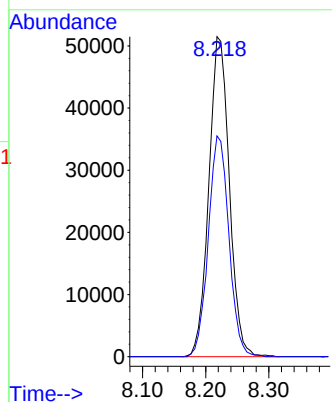
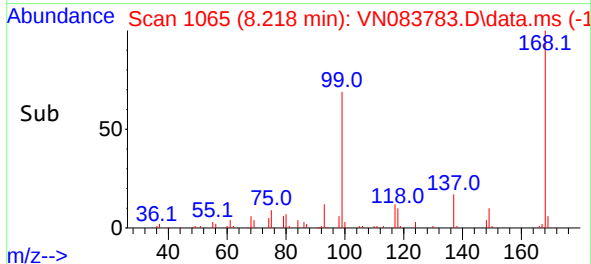


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

Instrument :
MSVOA_N
ClientSampleId :

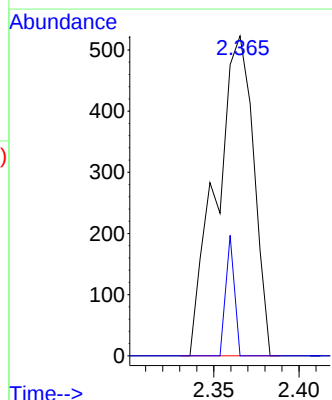
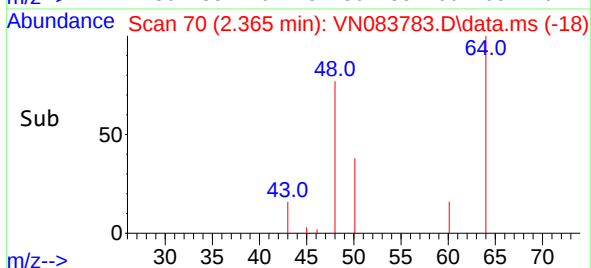
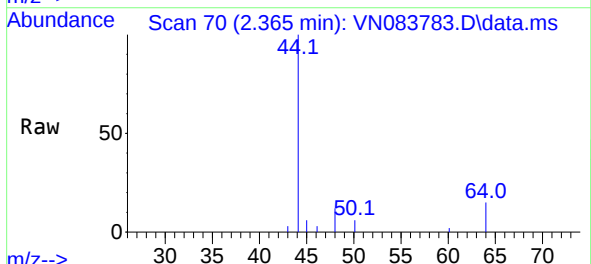


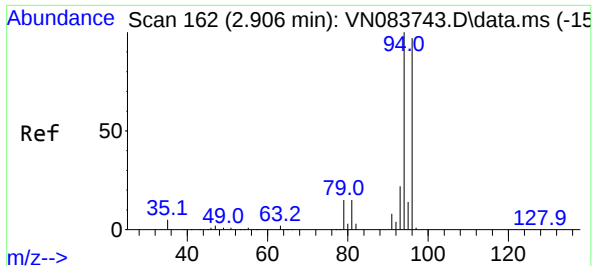
Tgt Ion:168 Resp: 116022
Ion Ratio Lower Upper
168 100
99 69.0 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

Tgt Ion: 50 Resp: 797
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

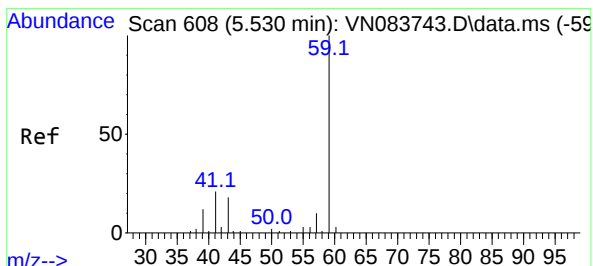
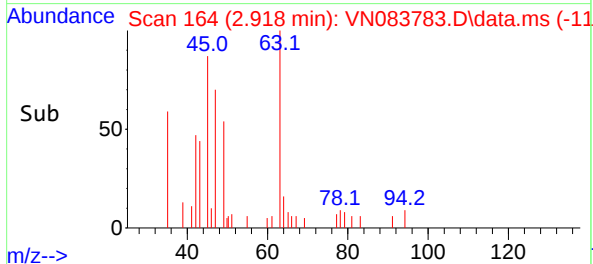
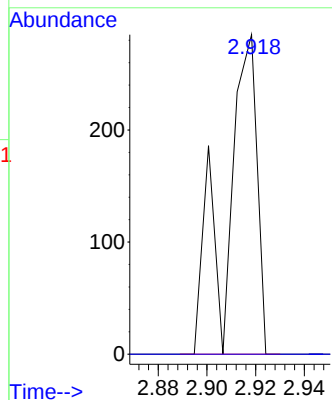
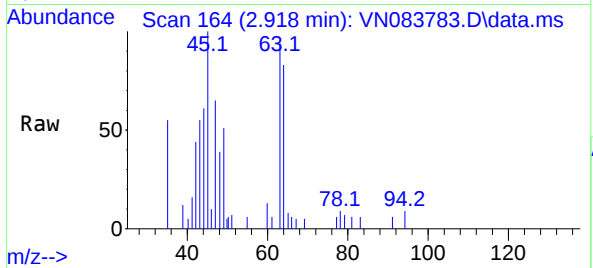




#5
Bromomethane
Concen: 0.294 ug/l
RT: 2.918 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

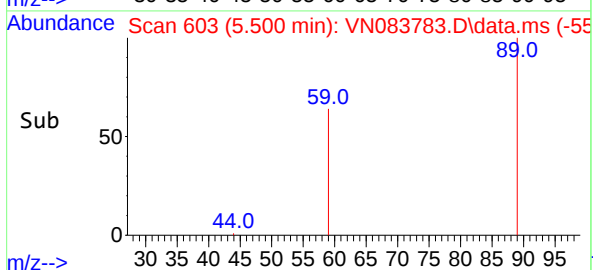
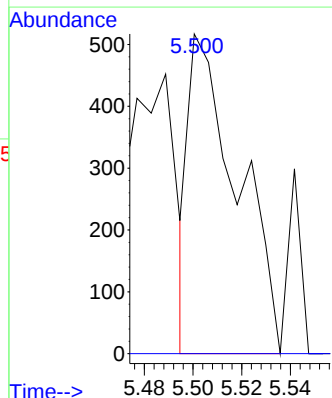
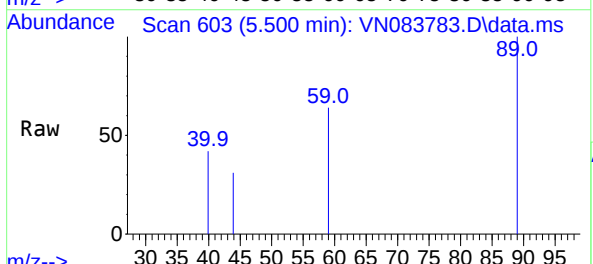
Instrument :
MSVOA_N
ClientSampleId :

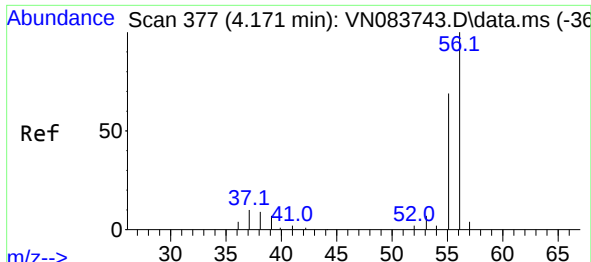
Tgt Ion: 94 Resp: 249
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#11
Tert butyl alcohol
Concen: 3.065 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.029 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

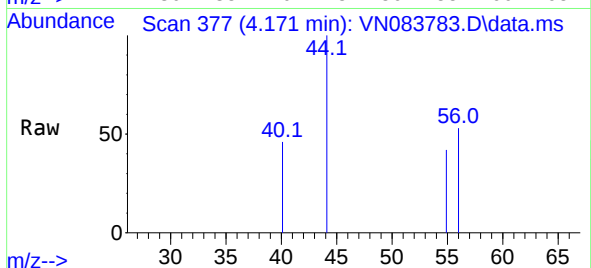
Tgt Ion: 59 Resp: 718
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



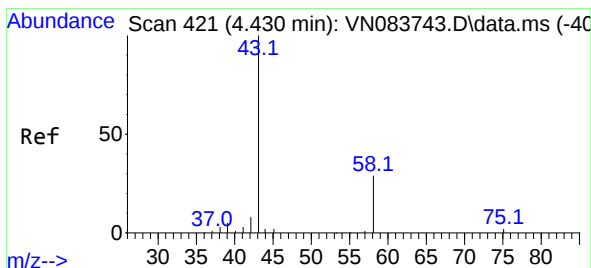
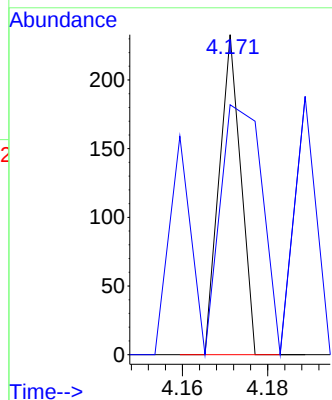
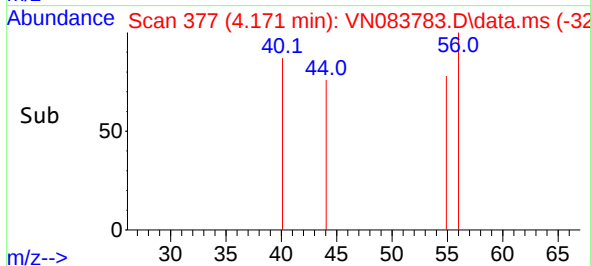


#13
Acrolein
Concen: 0.355 ug/l
RT: 4.171 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

Instrument :
MSVOA_N
ClientSampleId :

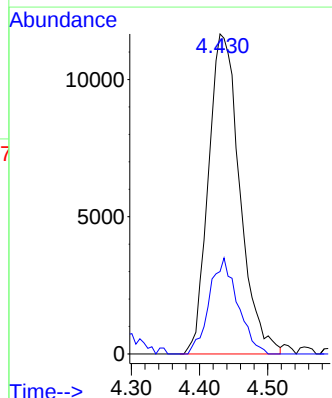
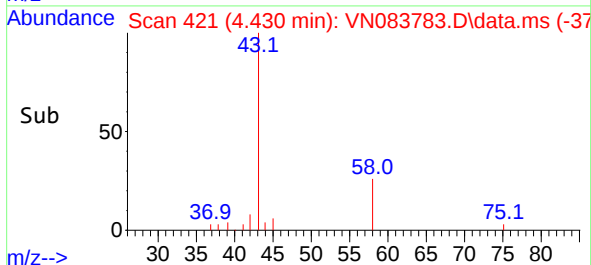
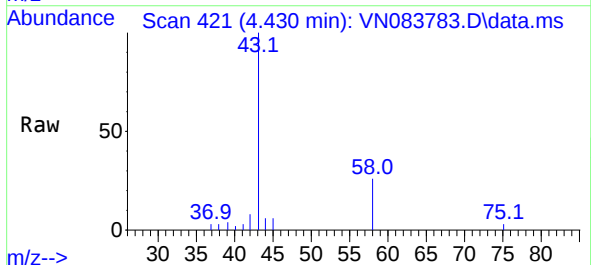


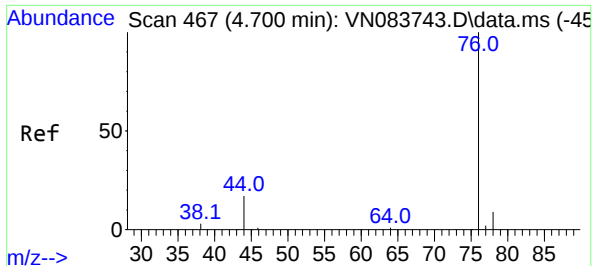
Tgt Ion: 56 Resp: 82
Ion Ratio Lower Upper
56 100
55 301.2 58.2 87.2#



#16
Acetone
Concen: 53.168 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

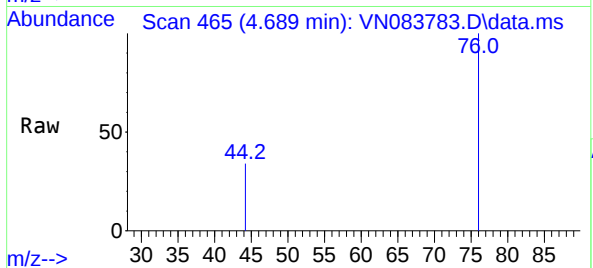
Tgt Ion: 43 Resp: 37287
Ion Ratio Lower Upper
43 100
58 25.7 23.7 35.5



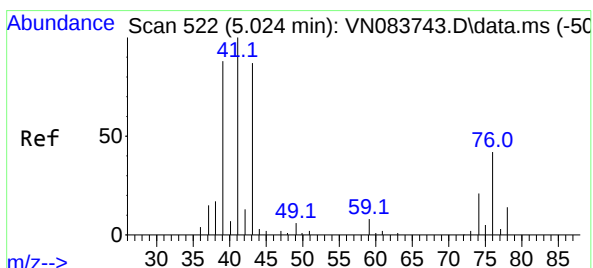
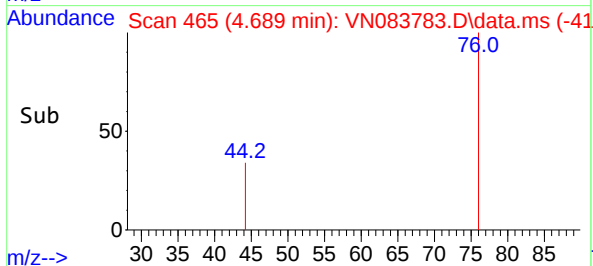
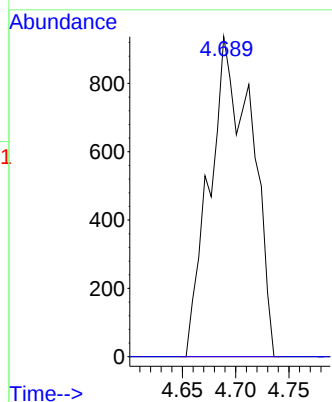


#17
Carbon Disulfide
Concen: 0.735 ug/l
RT: 4.689 min Scan# 465
Delta R.T. -0.012 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

Instrument :
MSVOA_N
ClientSampleId :

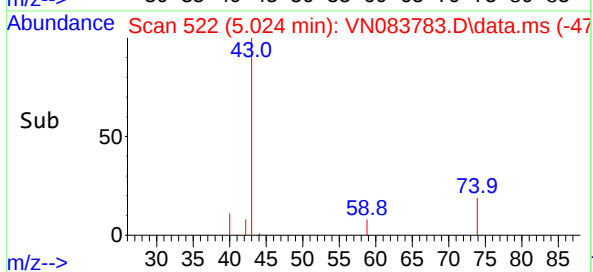
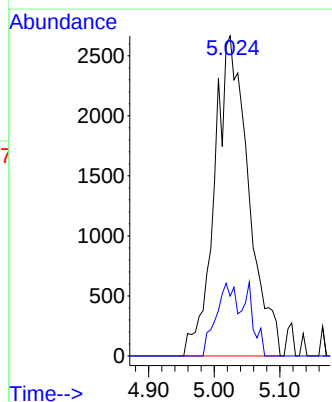
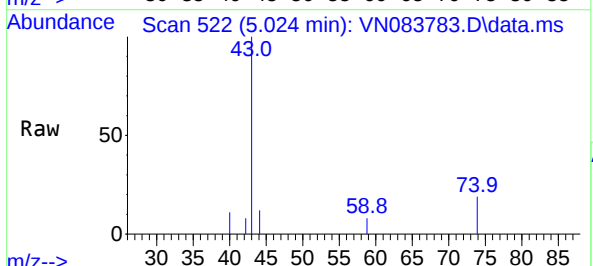


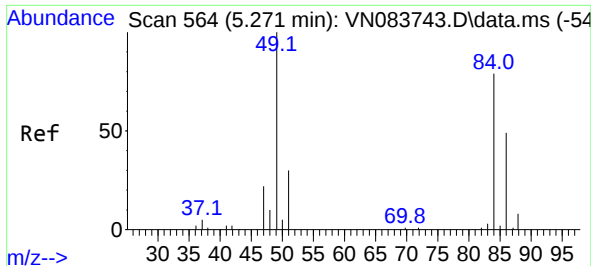
Tgt Ion: 76 Resp: 2580
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: 4.886 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

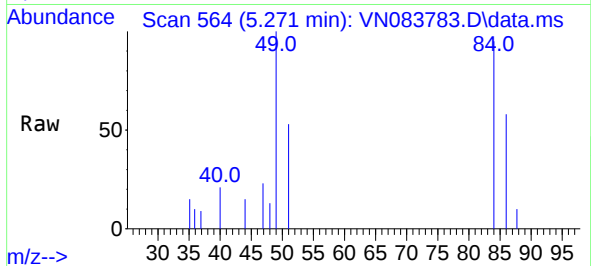
Tgt Ion: 43 Resp: 9586
Ion Ratio Lower Upper
43 100
74 13.4 19.0 28.4#





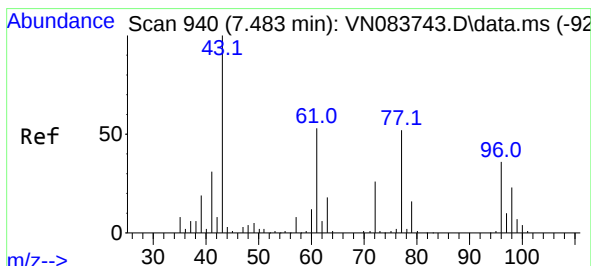
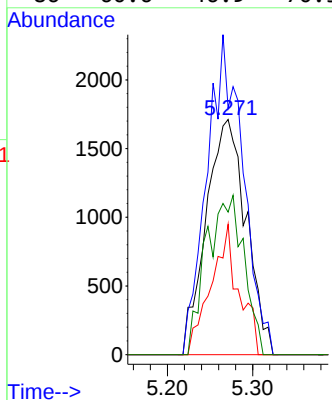
#20
Methylene Chloride
Concen: 3.903 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 5602

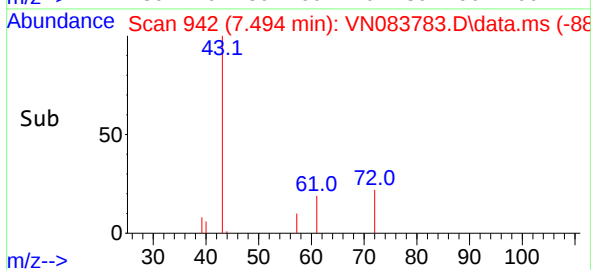
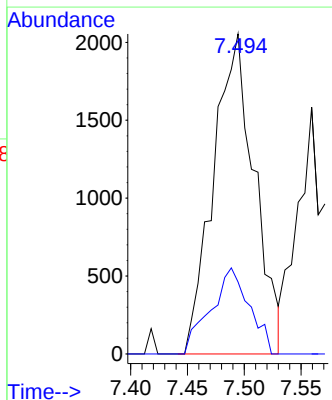
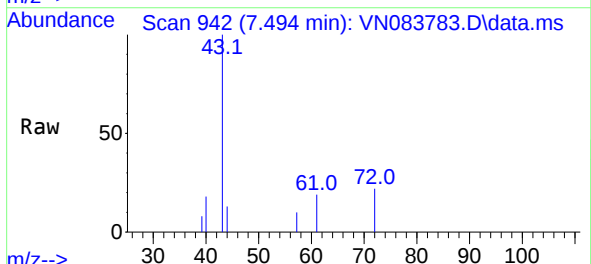
Ion	Ratio	Lower	Upper
84	100		
49	104.8	93.4	140.0
51	55.4	29.2	43.8#
86	60.6	46.9	70.3

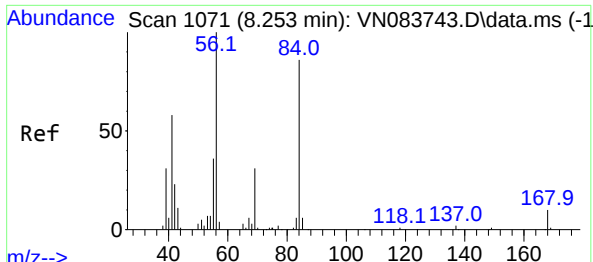


#25
2-Butanone
Concen: 5.602 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

Tgt Ion: 43 Resp: 5164

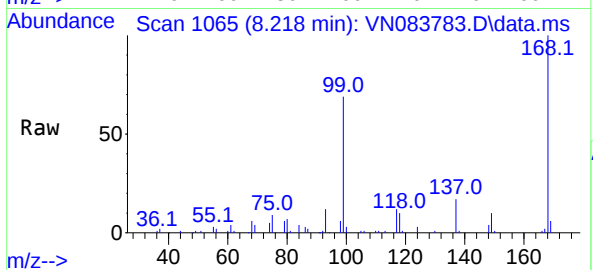
Ion	Ratio	Lower	Upper
43	100		
72	22.5	20.8	31.2



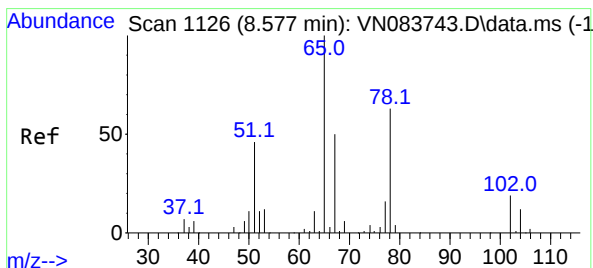
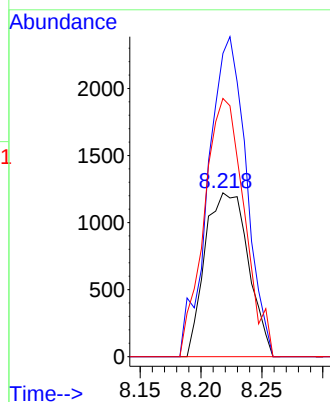
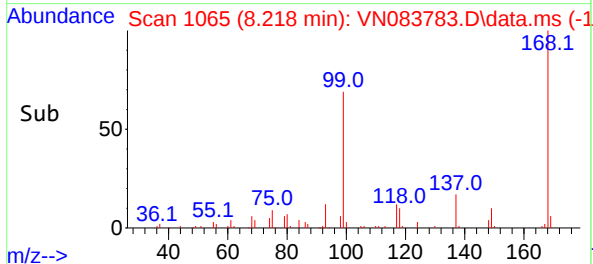


#31
Cyclohexane
Concen: 1.194 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

Instrument :
MSVOA_N
ClientSampleId :

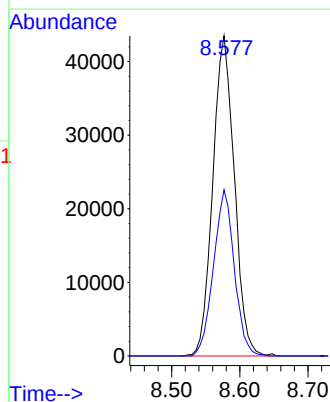
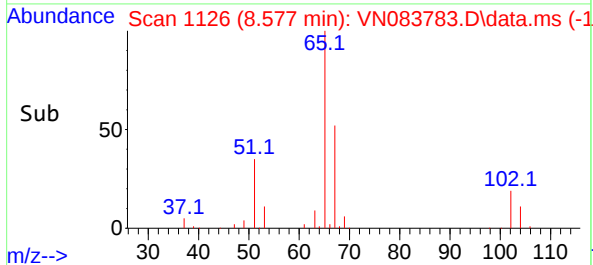
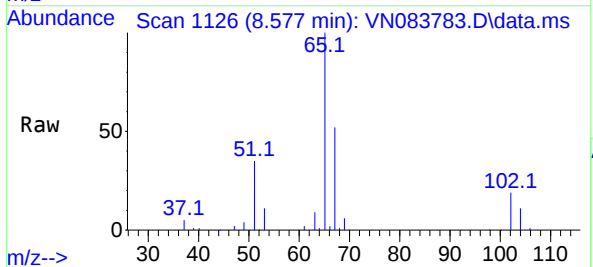


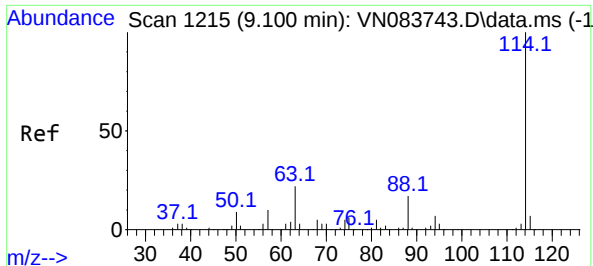
Tgt Ion: 56 Resp: 3019
Ion Ratio Lower Upper
56 100
69 185.2 26.9 40.3#
84 157.7 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 54.688 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

Tgt Ion: 65 Resp: 95673
Ion Ratio Lower Upper
65 100
67 50.2 0.0 100.8

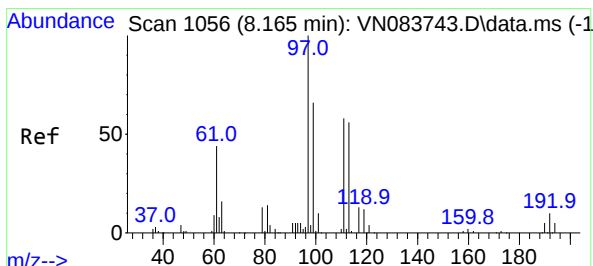
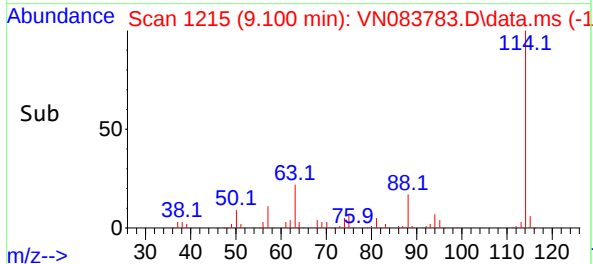
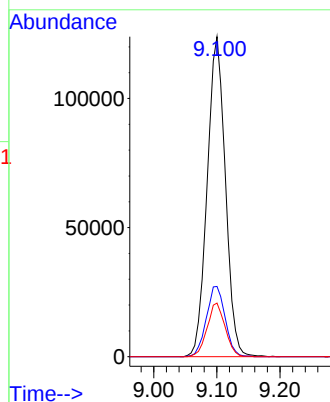
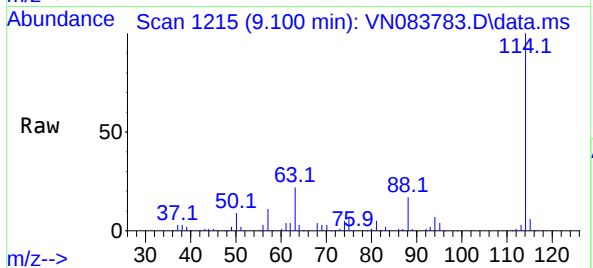




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

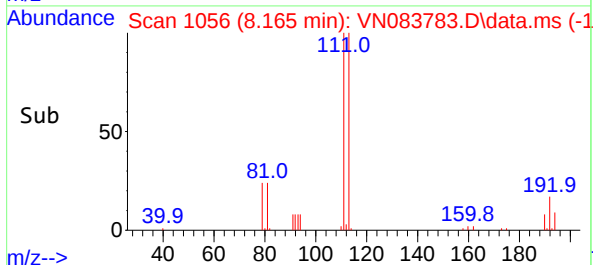
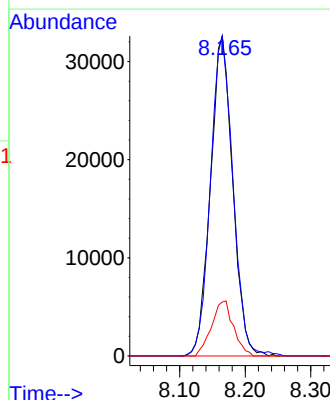
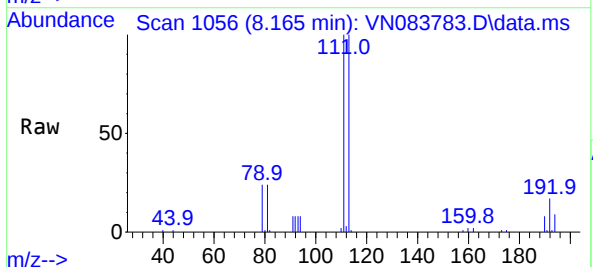
Instrument :
MSVOA_N
ClientSampleId :

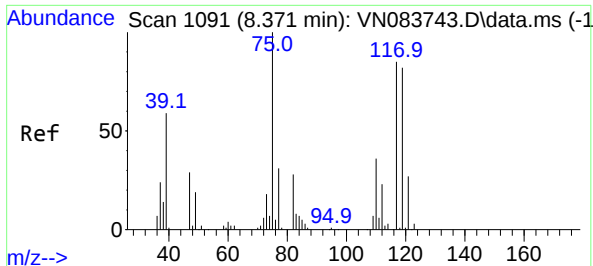
Tgt Ion:114 Resp: 247812
Ion Ratio Lower Upper
114 100
63 21.9 0.0 43.4
88 16.7 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.325 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

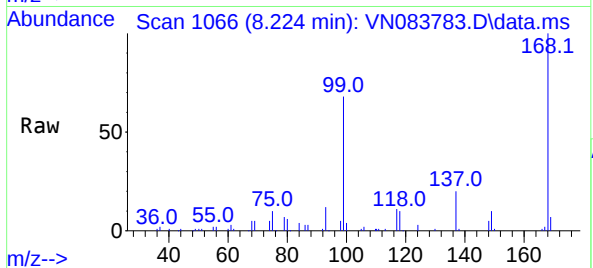
Tgt Ion:113 Resp: 76665
Ion Ratio Lower Upper
113 100
111 101.2 82.6 124.0
192 17.0 14.3 21.5



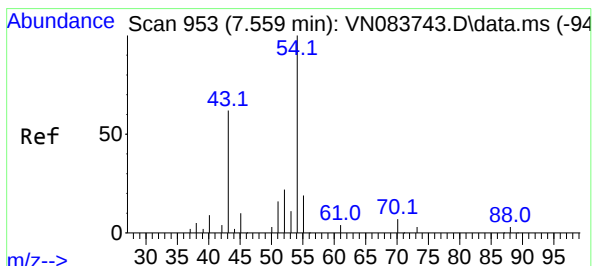
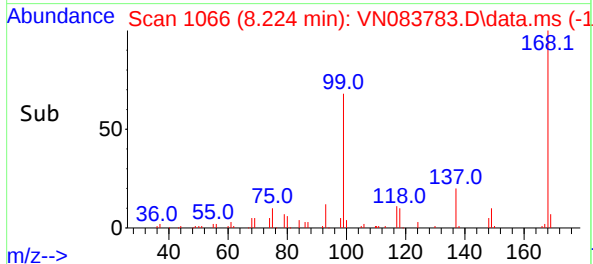
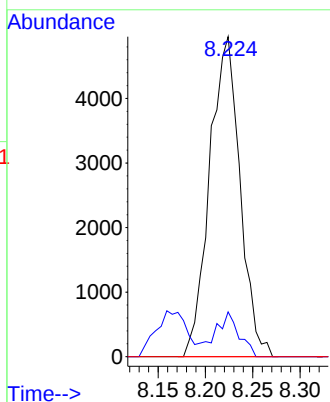


#36
1,1-Dichloropropene
Concen: 4.634 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

Instrument :
MSVOA_N
ClientSampleId :

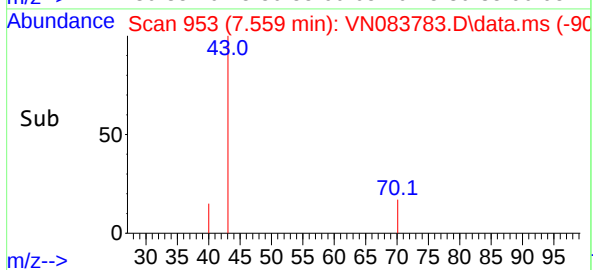
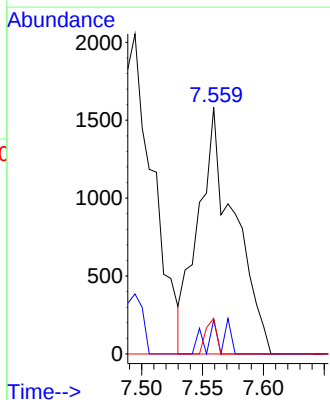
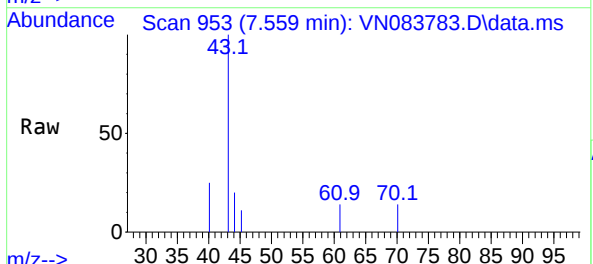


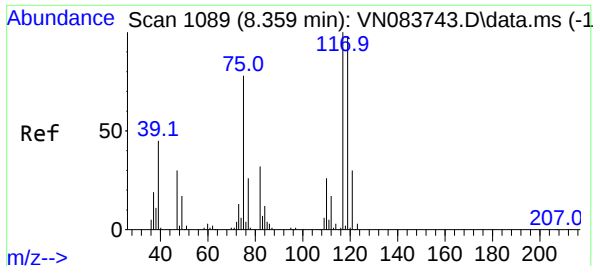
Tgt Ion: 75 Resp: 11066
Ion Ratio Lower Upper
75 100
110 10.6 16.7 50.1#
77 0.0 25.2 37.8#



#37
Ethyl Acetate
Concen: 1.508 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

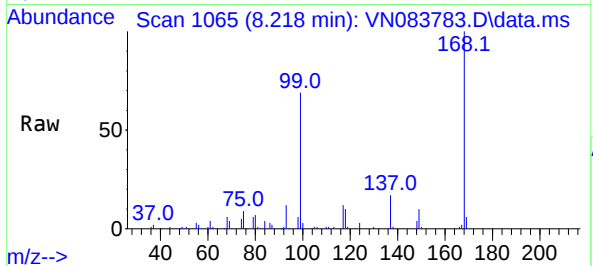
Tgt Ion: 43 Resp: 3268
Ion Ratio Lower Upper
43 100
61 1.8 11.1 16.7#
70 4.3 8.8 13.2#



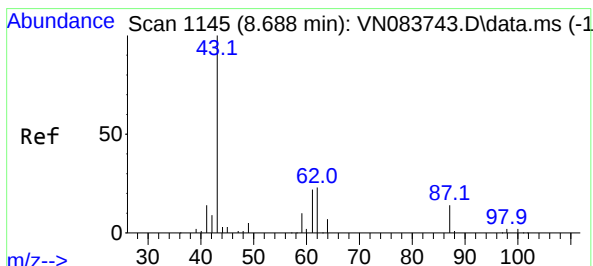
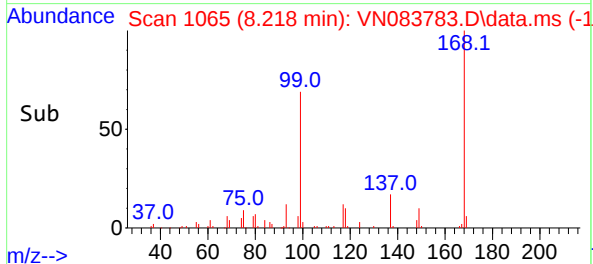
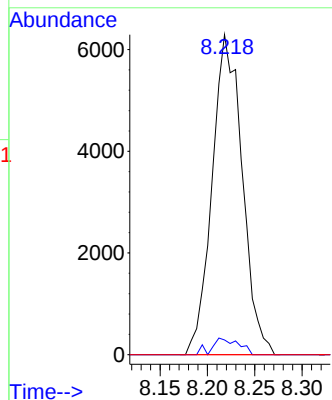


#38
Carbon Tetrachloride
Concen: 5.142 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

Instrument :
MSVOA_N
ClientSampleId :

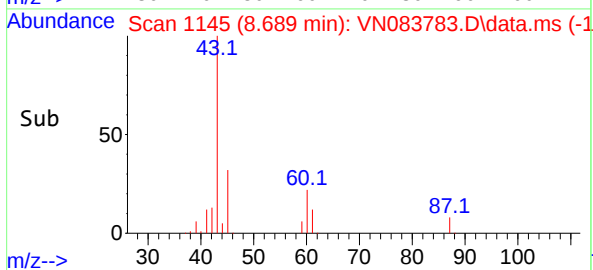
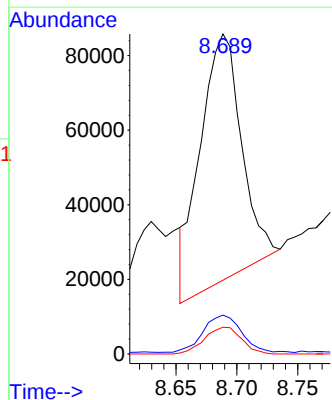
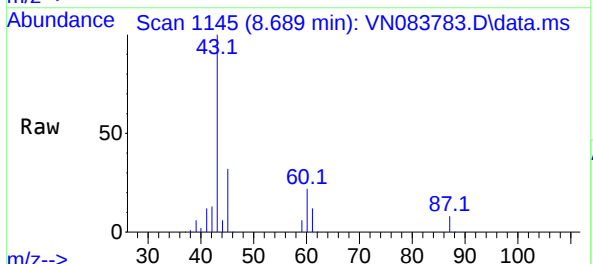


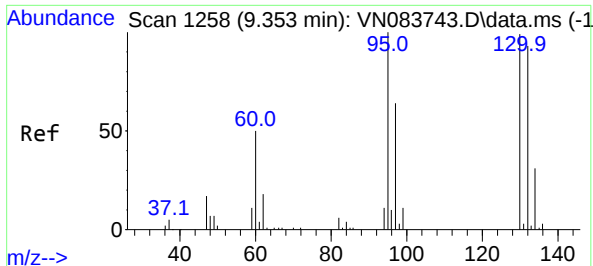
Tgt Ion:117 Resp: 13931
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.1 36.1#



#43
Isopropyl Acetate
Concen: 40.216 ug/l
RT: 8.689 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

Tgt Ion: 43 Resp: 157956
Ion Ratio Lower Upper
43 100
61 14.3 19.4 29.0#
87 9.6 9.8 14.6#

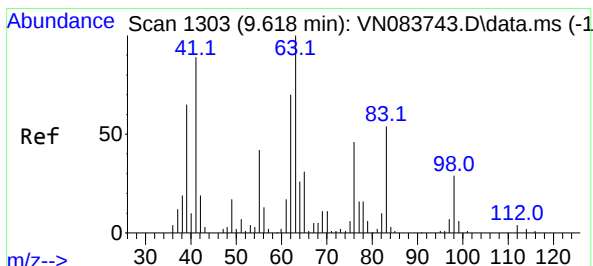
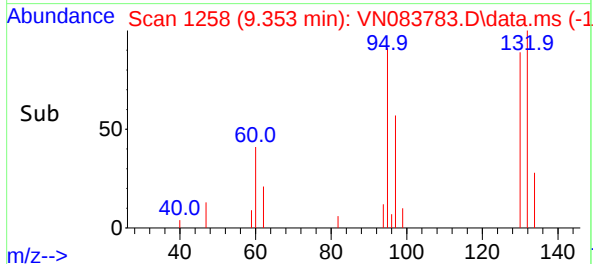
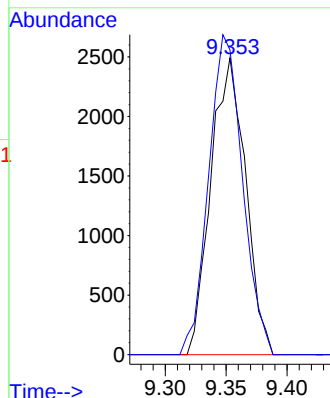
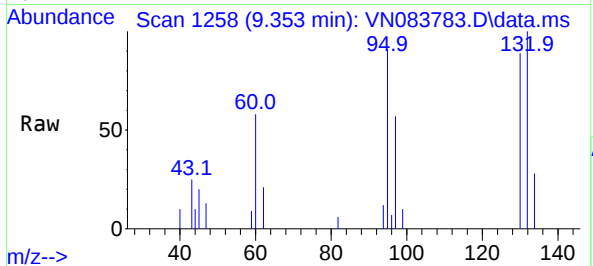




#44
Trichloroethene
Concen: 2.968 ug/l
RT: 9.353 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

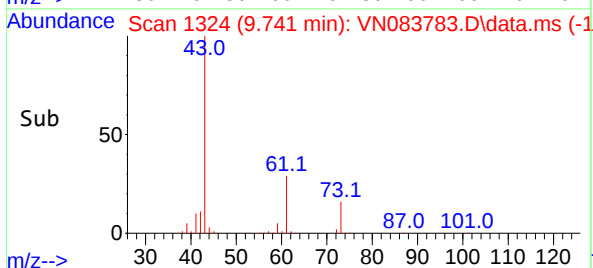
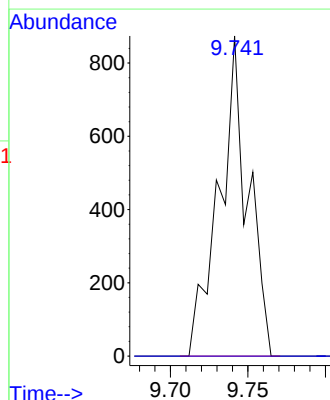
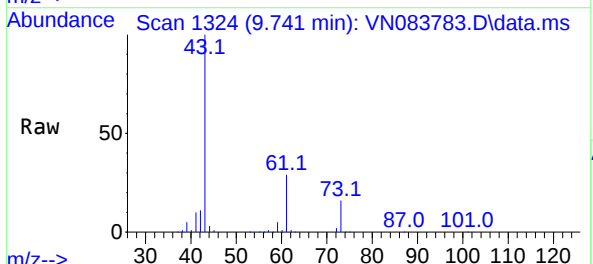
Instrument :
MSVOA_N
ClientSampleId :

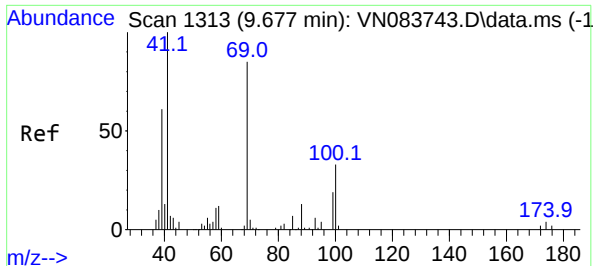
Tgt Ion:130 Resp: 4939
Ion Ratio Lower Upper
130 100
95 102.8 0.0 200.4



#45
1,2-Dichloropropane
Concen: 0.649 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

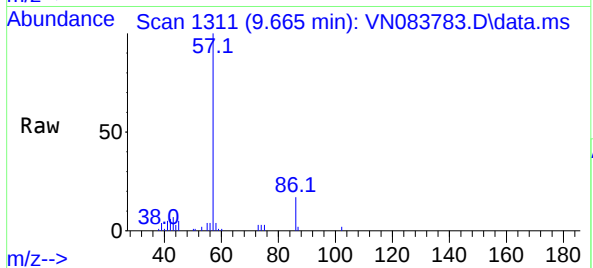
Tgt Ion: 63 Resp: 1127
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#



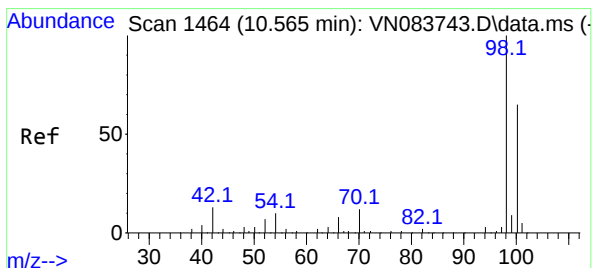
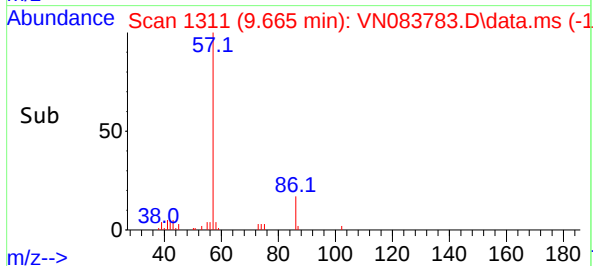
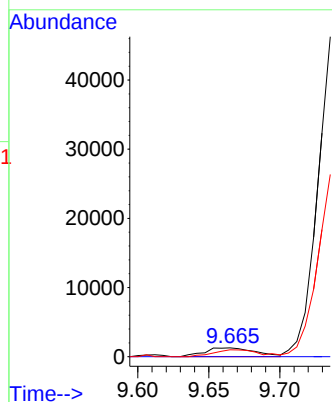


#48
Methyl methacrylate
Concen: 1.712 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

Instrument :
MSVOA_N
ClientSampleId :

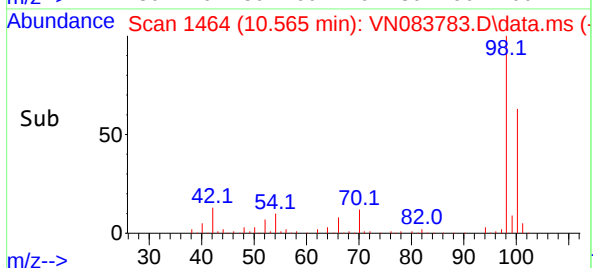
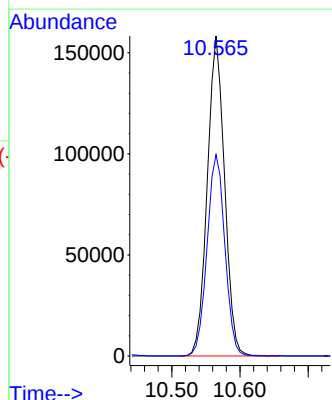
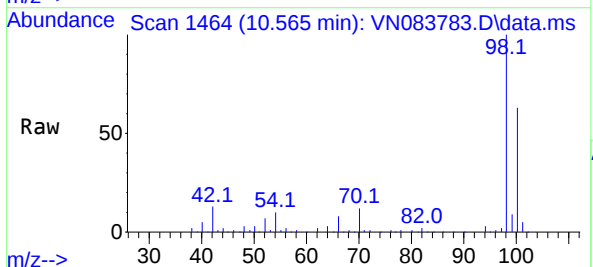


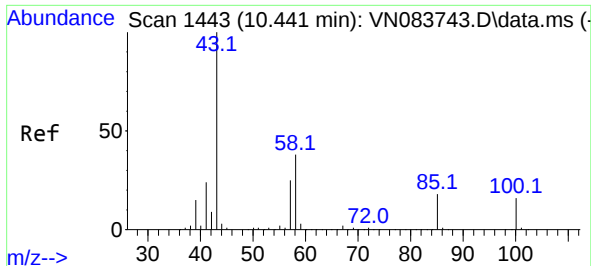
Tgt Ion: 41 Resp: 3190
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 70.0 48.9 73.3



#50
Toluene-d8
Concen: 50.807 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

Tgt Ion: 98 Resp: 278652
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0

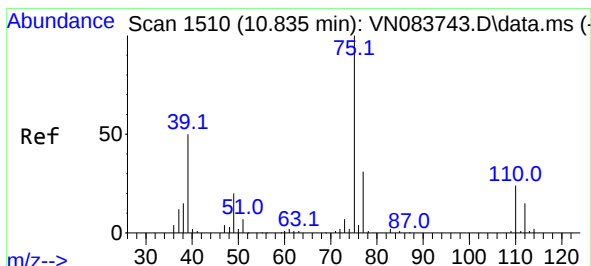
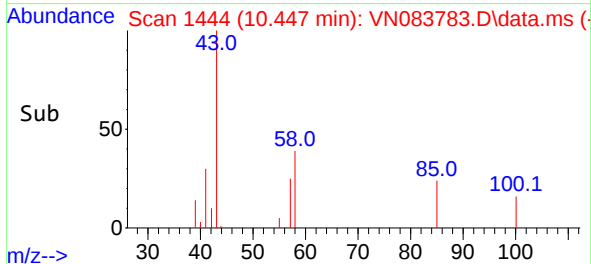
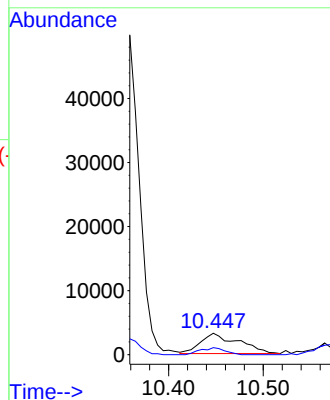
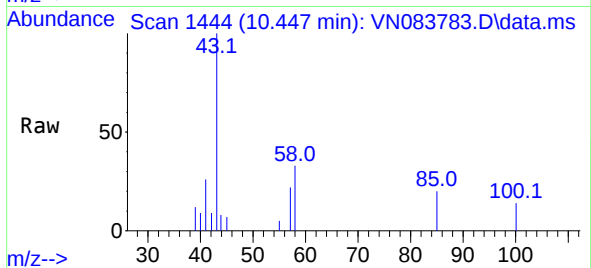




#51
4-Methyl-2-Pentanone
Concen: 4.111 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

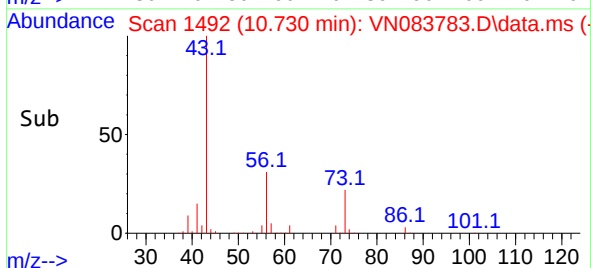
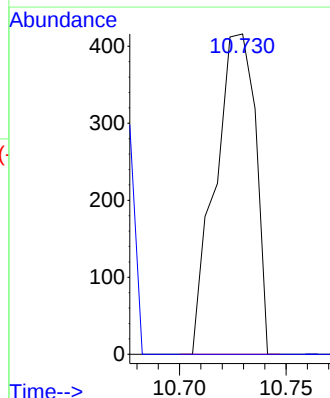
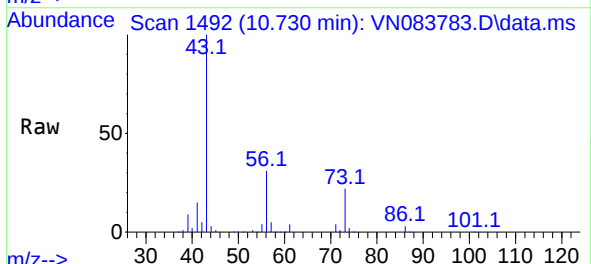
Instrument :
MSVOA_N
ClientSampleId :

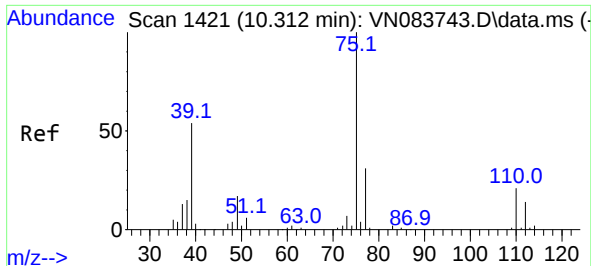
Tgt Ion: 43 Resp: 8790
Ion Ratio Lower Upper
43 100
58 22.5 31.6 47.4#



#53
t-1,3-Dichloropropene
Concen: 0.205 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

Tgt Ion: 75 Resp: 546
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#

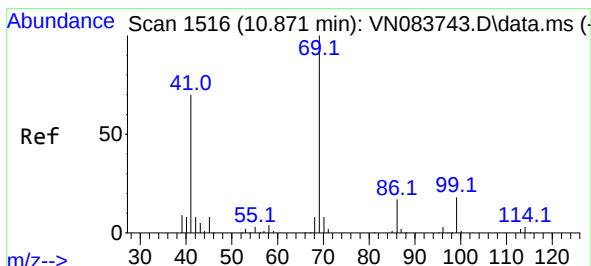
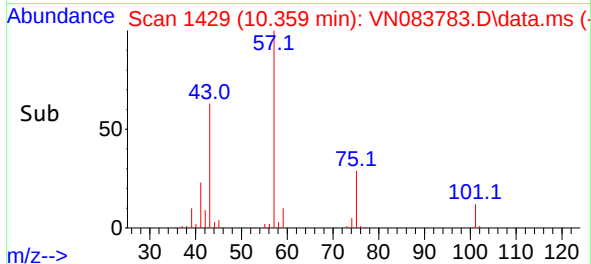
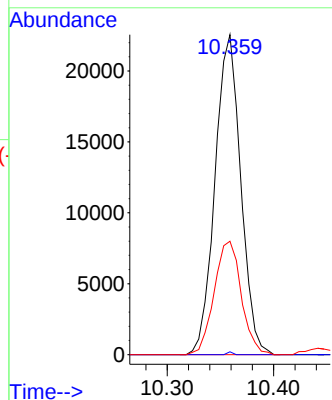
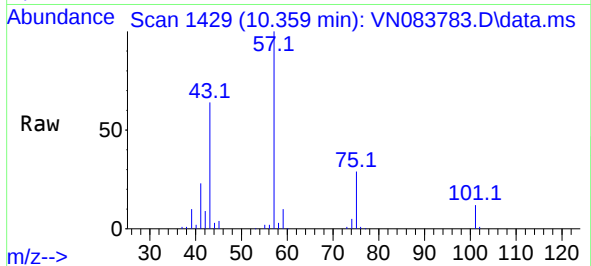




#54
cis-1,3-Dichloropropene
Concen: 13.485 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

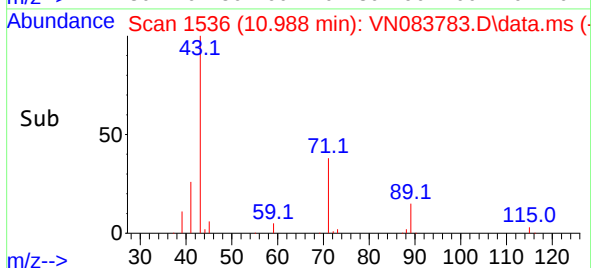
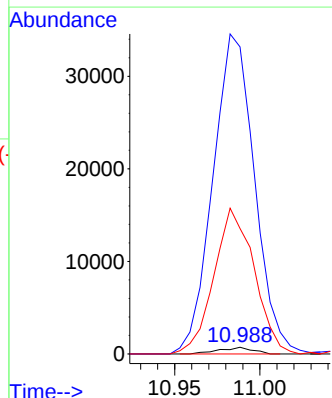
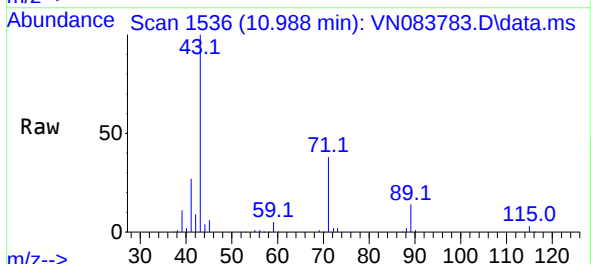
Instrument :
MSVOA_N
ClientSampleId :

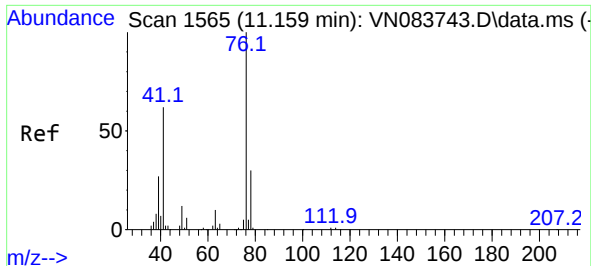
Tgt Ion: 75 Resp: 37808
Ion Ratio Lower Upper
75 100
77 0.9 25.0 37.6#
39 35.5 42.6 64.0#



#56
Ethyl methacrylate
Concen: 0.390 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.118 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

Tgt Ion: 69 Resp: 985
Ion Ratio Lower Upper
69 100
41 5979.2 53.9 80.9#
39 2627.4 32.6 48.8#





#57

1,3-Dichloropropane

Concen: 1.728 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN083783.D

Acq: 11 Sep 2024 09:38

Instrument :

MSVOA_N

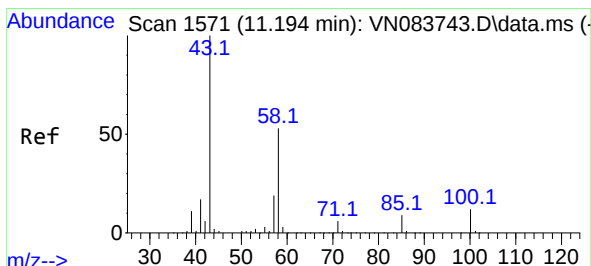
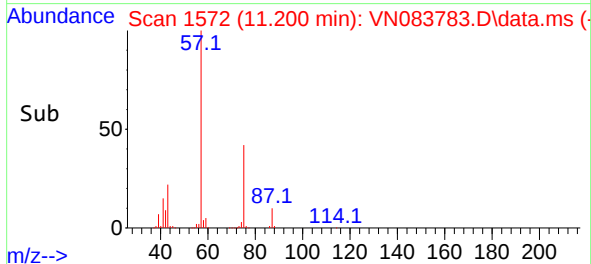
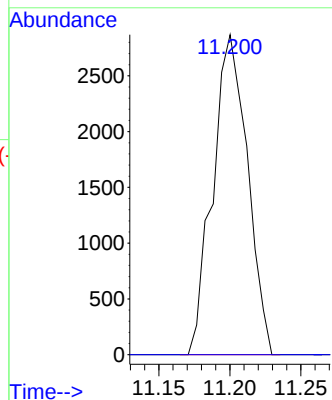
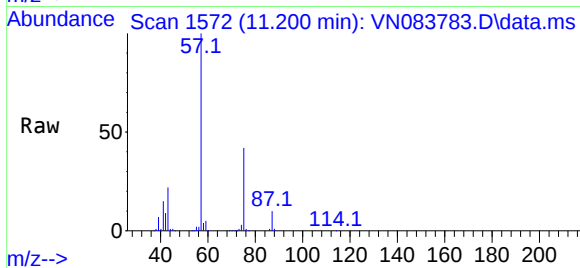
ClientSampleId :

Tgt Ion: 76 Resp: 4873

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 37.780 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN083783.D

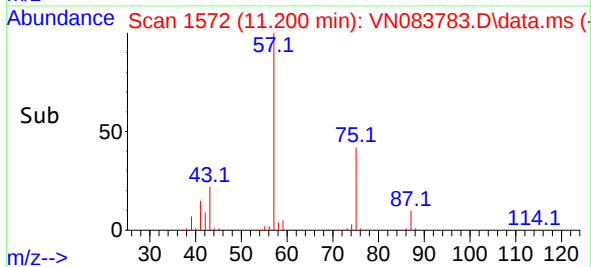
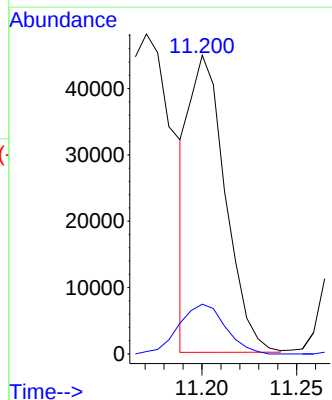
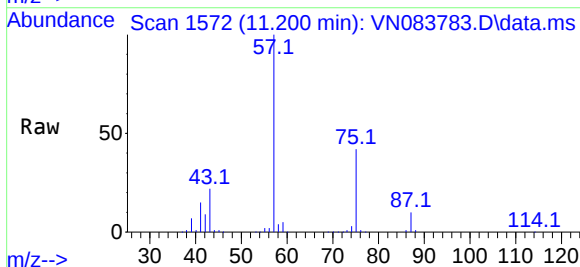
Acq: 11 Sep 2024 09:38

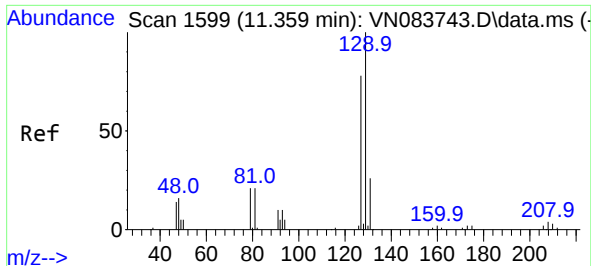
Tgt Ion: 43 Resp: 59752

Ion Ratio Lower Upper

43 100

58 21.5 27.2 81.5#

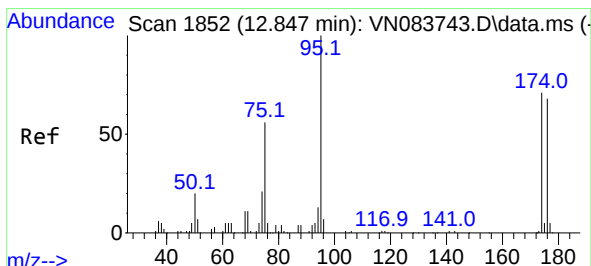
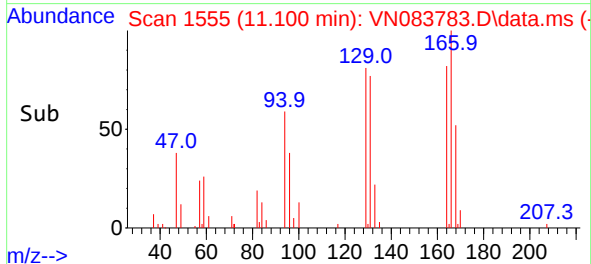
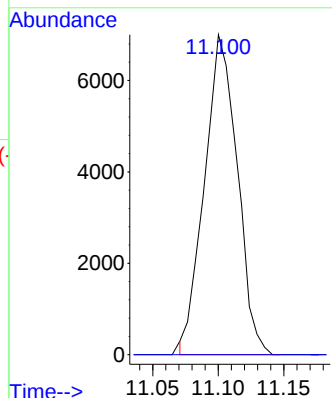
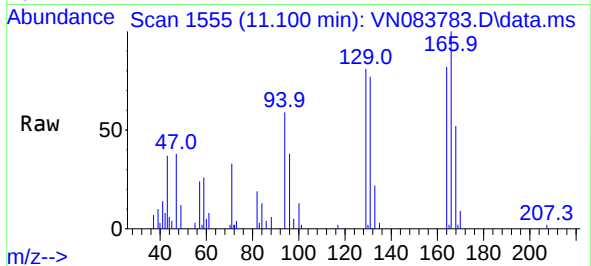




#60
Dibromochloromethane
Concen: 6.631 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

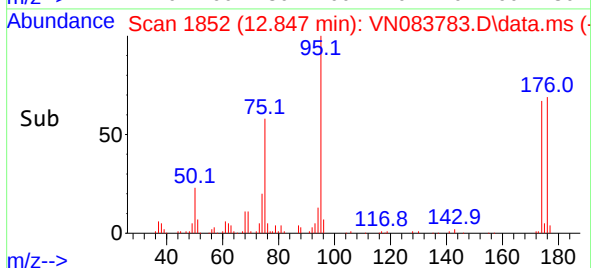
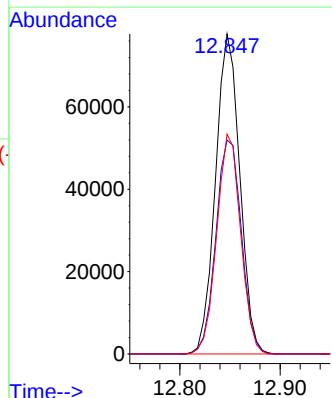
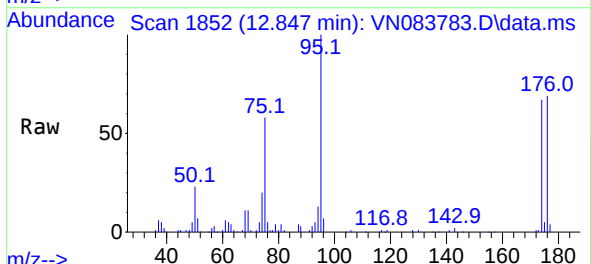
Instrument :
MSVOA_N
ClientSampleId :

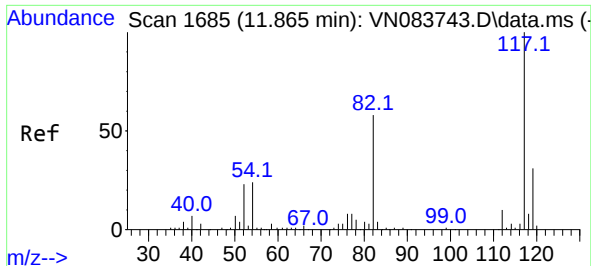
Tgt Ion:129 Resp: 12179
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 57.714 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

Tgt Ion: 95 Resp: 130594
Ion Ratio Lower Upper
95 100
174 70.2 0.0 139.8
176 67.6 0.0 131.4

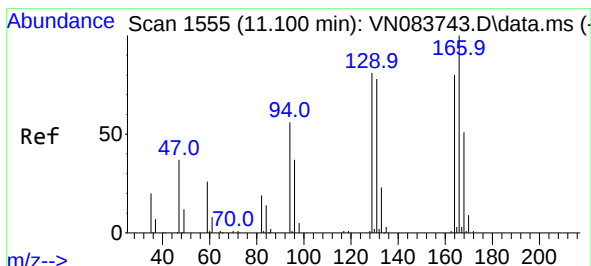
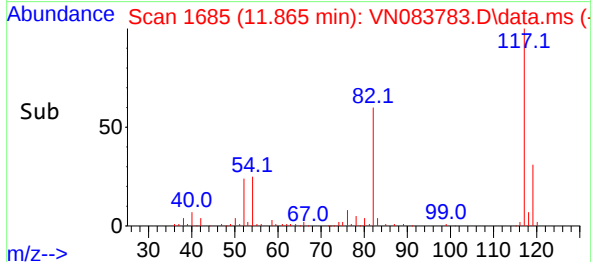
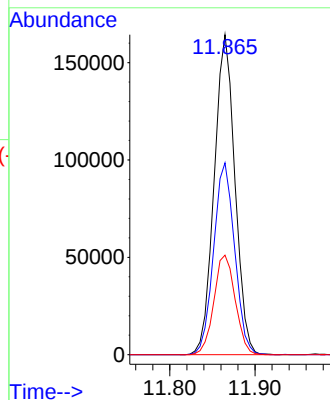
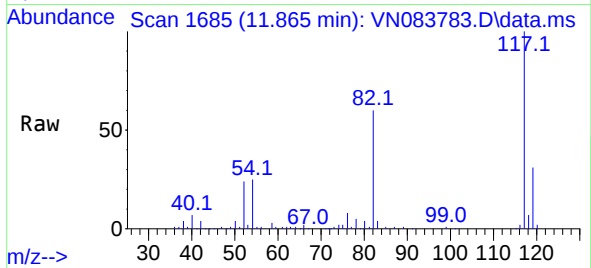




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

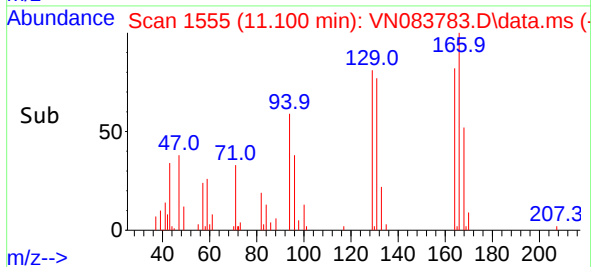
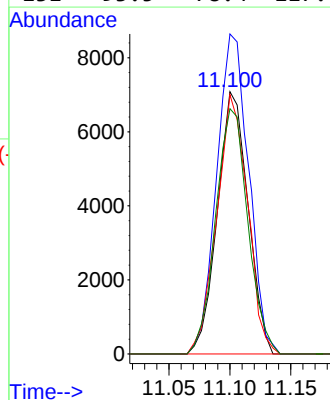
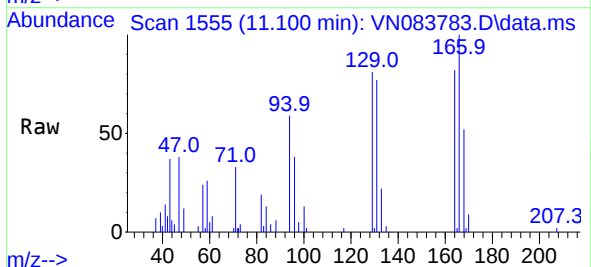
Instrument :
MSVOA_N
ClientSampleId :

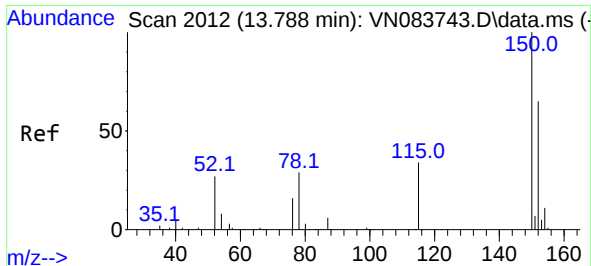
Tgt Ion:117 Resp: 278929
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.0
119 31.1 26.3 39.5



#64
Tetrachloroethene
Concen: 6.695 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

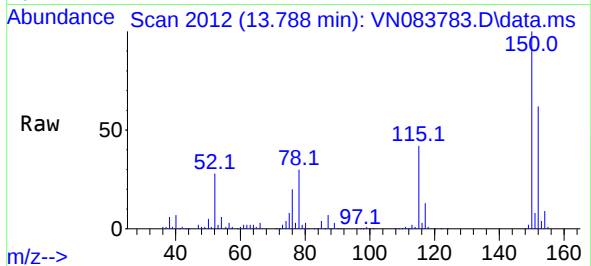
Tgt Ion:164 Resp: 12418
Ion Ratio Lower Upper
164 100
166 122.0 103.7 155.5
129 98.8 79.9 119.9
131 93.5 78.4 117.6



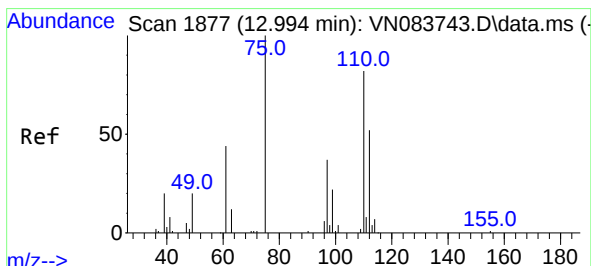
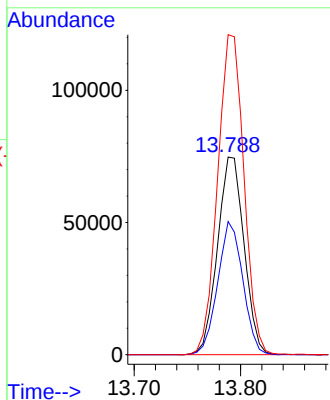
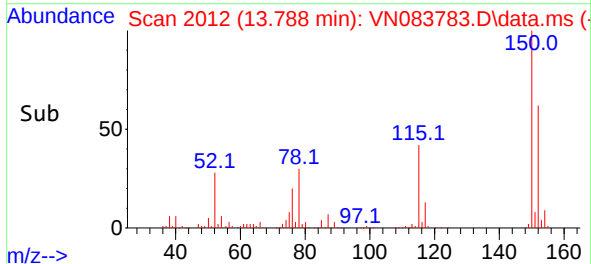


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

Instrument :
MSVOA_N
ClientSampleId :

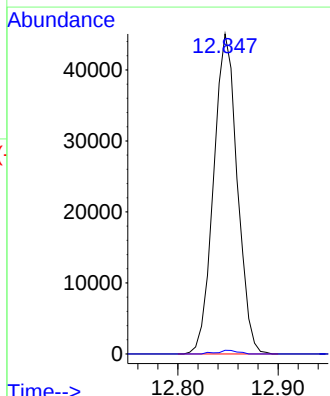
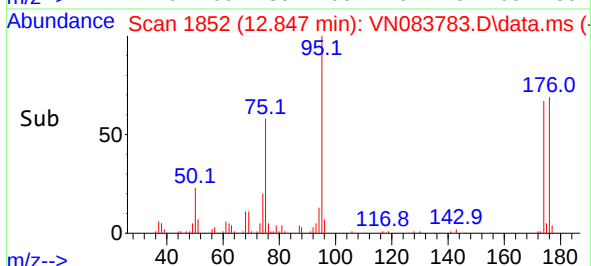
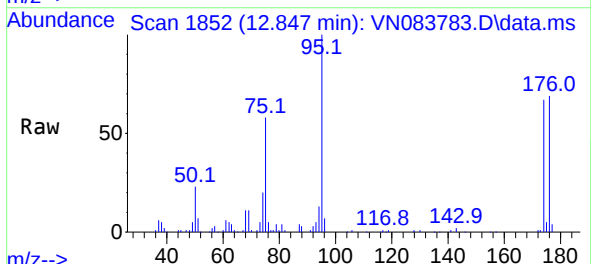


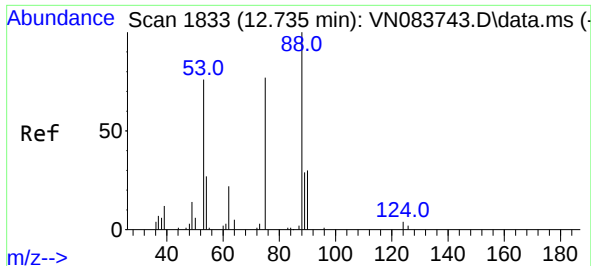
Tgt Ion:152 Resp: 129467
Ion Ratio Lower Upper
152 100
115 63.7 32.2 96.6
150 160.7 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 28.305 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083783.D
Acq: 11 Sep 2024 09:38

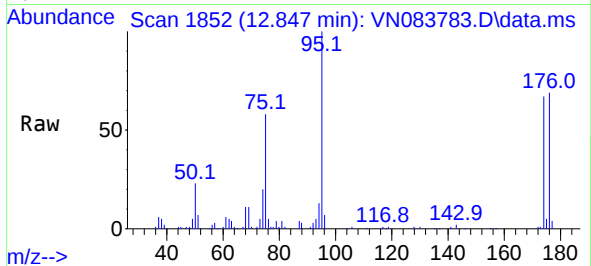
Tgt Ion: 75 Resp: 73943
Ion Ratio Lower Upper
75 100
77 1.0 95.2 285.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.132 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083783.D
 Acq: 11 Sep 2024 09:38

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 73943
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.2 121.8#
 89 0.0 35.7 53.5#

