

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
 Data File : VN083782.D
 Acq On : 11 Sep 2024 09:14
 Operator : JC\MD
 Sample : PB163204ZHE#12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB163204ZHE#12

Quant Time: Sep 11 16:22:28 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

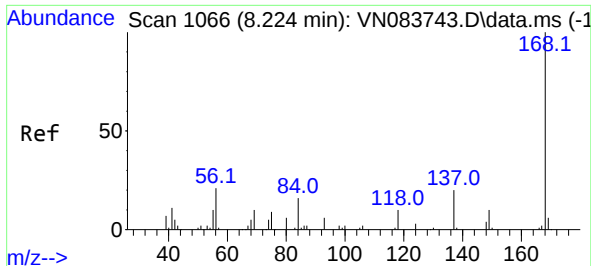
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.218	168	93213	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	207876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	248911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	96679	68.785	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 137.580%#			
35) Dibromofluoromethane	8.165	113	77463	58.208	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 116.420%			
50) Toluene-d8	10.565	98	288781	62.770	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 125.540%#			
62) 4-Bromofluorobenzene	12.847	95	134453	70.835	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 141.680%#			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	594	Below Cal	#	41
5) Bromomethane	2.906	94	143	0.210	ug/l #	2
6) Chloroethane	3.089	64	417	0.501	ug/l #	81
11) Tert butyl alcohol	5.524	59	70	0.372	ug/l #	71
13) Acrolein	4.177	56	64	0.345	ug/l #	13
16) Acetone	4.436	43	34923	61.982	ug/l	91
18) Methyl Acetate	5.024	43	9747	6.696	ug/l	93
20) Methylene Chloride	5.265	84	8642	7.495	ug/l	88
25) 2-Butanone	7.488	43	4127	5.573	ug/l	99
29) Tetrahydrofuran	7.853	42	282	0.644	ug/l #	32
31) Cyclohexane	8.218	56	2617	1.288	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	9233	4.610	ug/l #	51
37) Ethyl Acetate	7.565	43	2907	1.599	ug/l #	93
38) Carbon Tetrachloride	8.218	117	11740	5.166	ug/l #	18
43) Isopropyl Acetate	8.688	43	262394	79.640	ug/l #	74
45) 1,2-Dichloropropane	9.741	63	1186	0.814	ug/l #	42
48) Methyl methacrylate	9.671	41	3228	2.065	ug/l #	47
49) 1,4-Dioxane	9.747	88	67	2.605	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	5317	2.965	ug/l	94
53) t-1,3-Dichloropropene	10.723	75	649	0.290	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	41316	17.567	ug/l #	62
56) Ethyl methacrylate	10.982	69	1315	0.621	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5155	2.179	ug/l #	42
59) 2-Hexanone	11.200	43	69161	52.130	ug/l #	53
71) Bromoform	12.847	173	762	0.590	ug/l #	1
74) N-amyl acetate	12.476	43	1465	0.375	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	76234	31.890	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76234	83.522	ug/l #	9

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

Quant Time: Sep 11 16:22:28 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

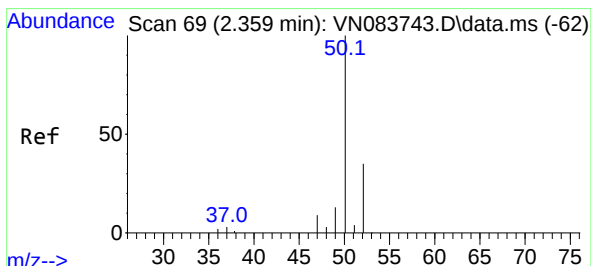
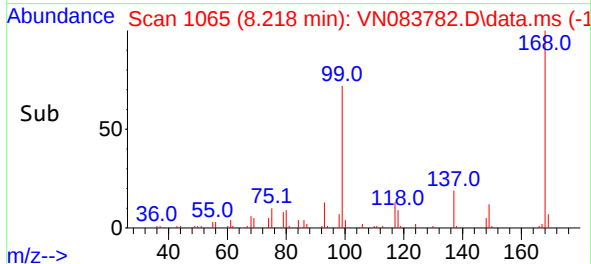
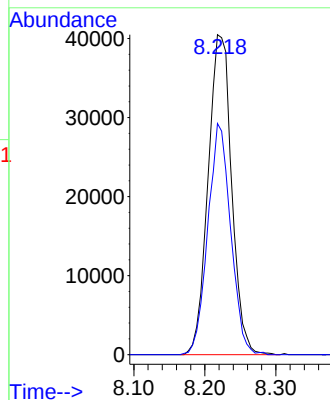
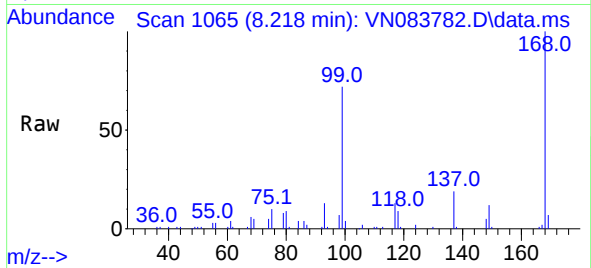




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

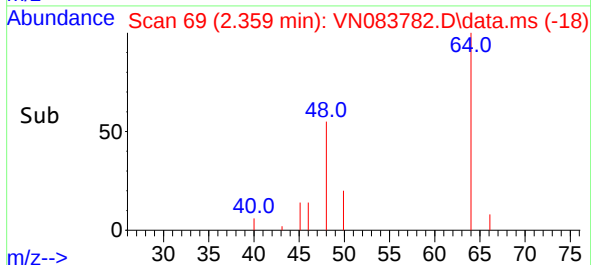
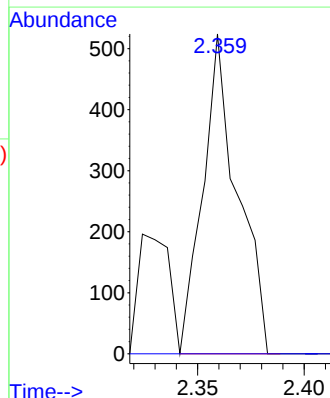
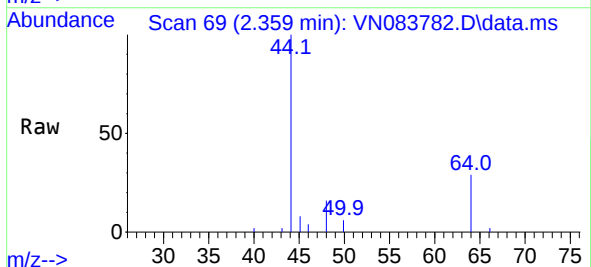
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#12

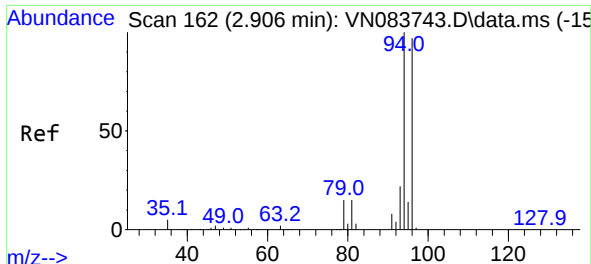
Tgt Ion:168 Resp: 93213
Ion Ratio Lower Upper
168 100
99 72.3 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

Tgt Ion: 50 Resp: 594
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

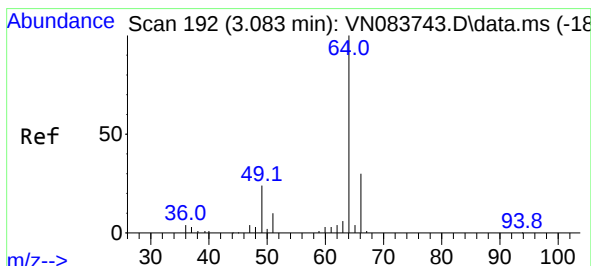
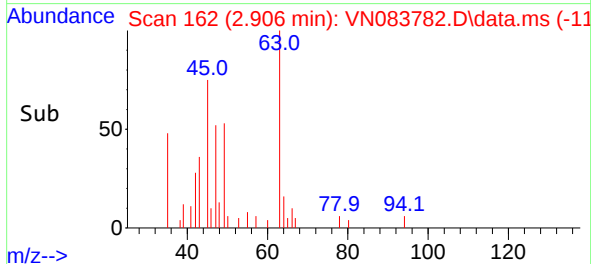
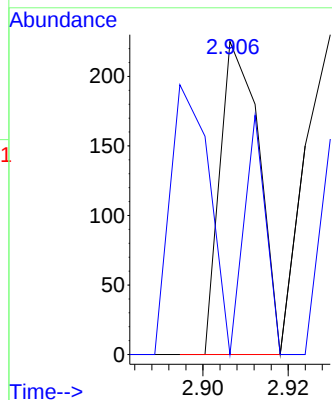
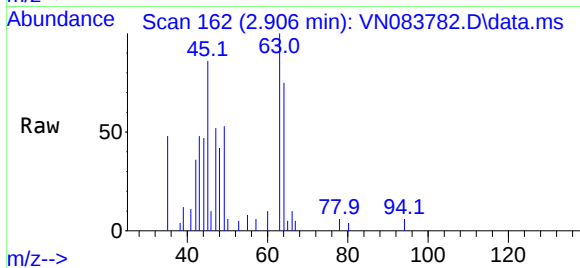




#5
Bromomethane
Concen: 0.210 ug/l
RT: 2.906 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

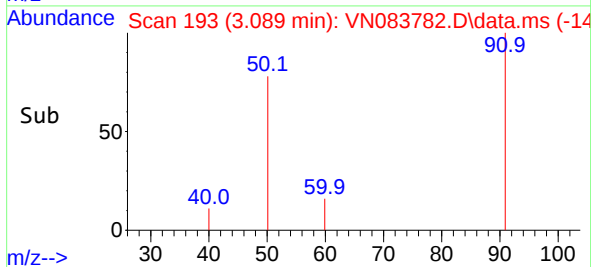
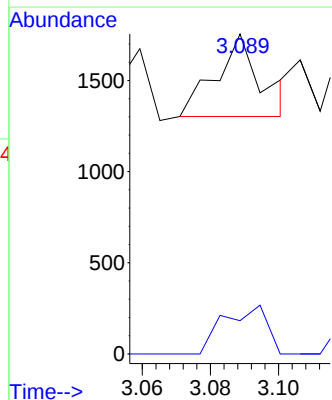
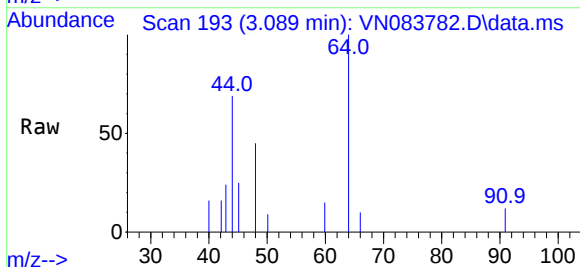
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#12

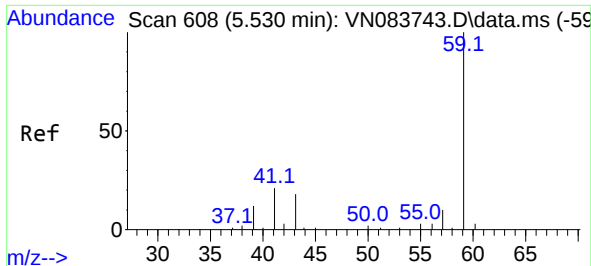
Tgt Ion: 94 Resp: 143
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: 0.501 ug/l
RT: 3.089 min Scan# 193
Delta R.T. 0.006 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

Tgt Ion: 64 Resp: 417
Ion Ratio Lower Upper
64 100
66 40.2 23.9 35.9#

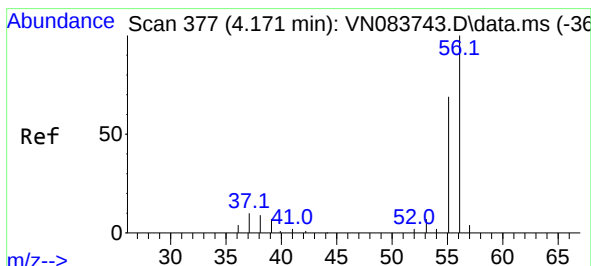
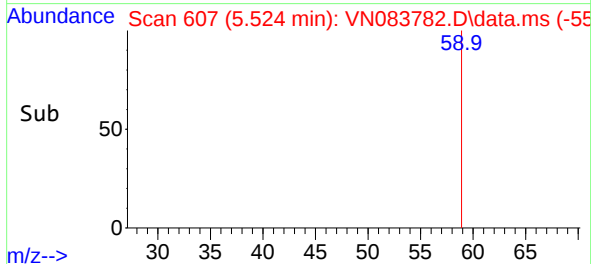
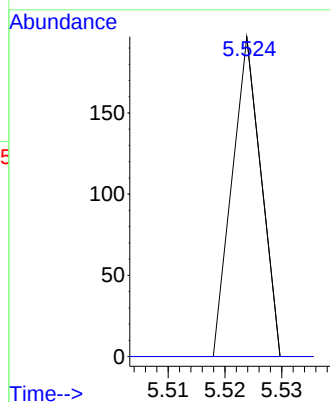
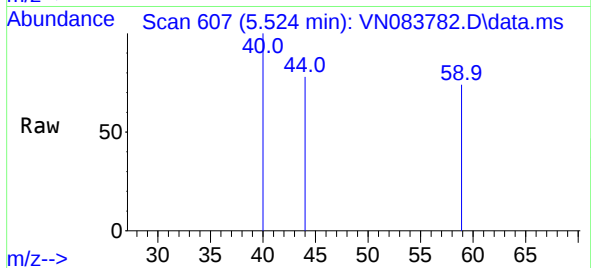




#11
Tert butyl alcohol
Concen: 0.372 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

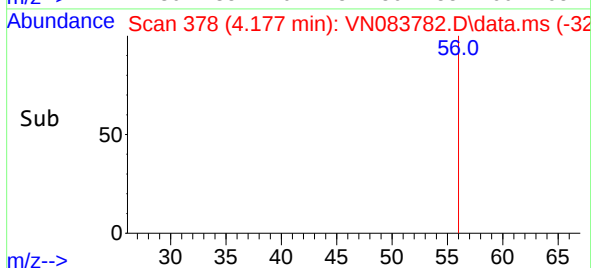
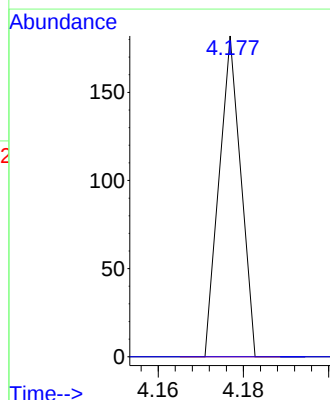
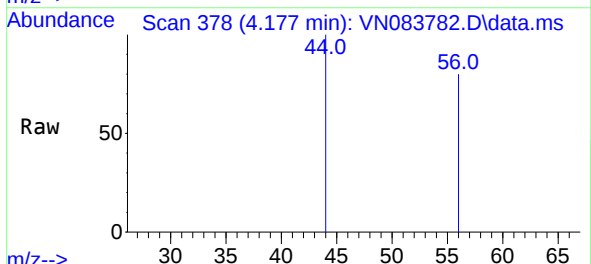
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#12

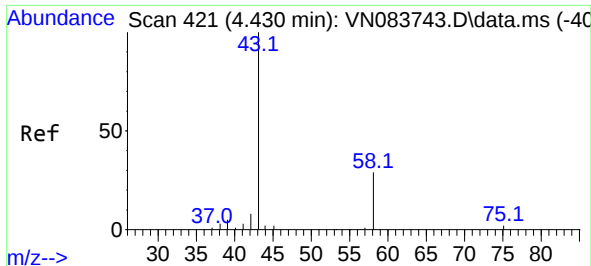
Tgt Ion: 59 Resp: 70
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.345 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.2#

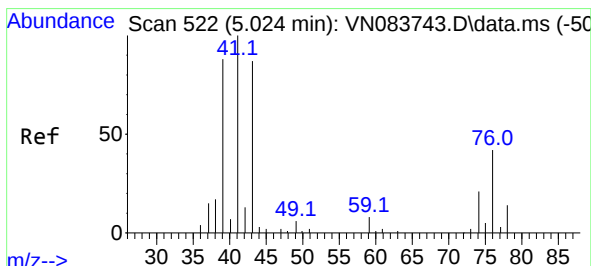
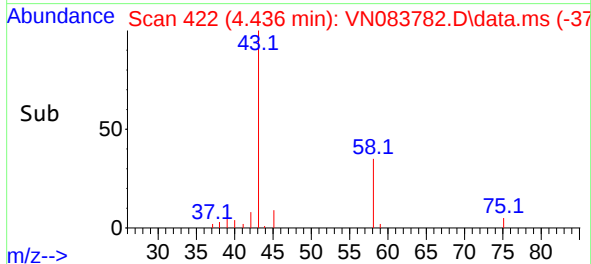
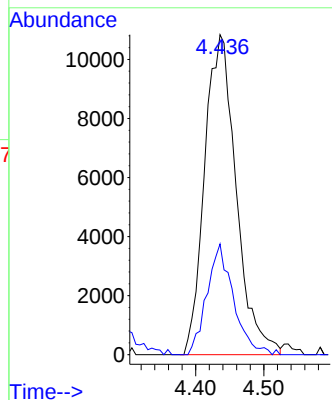
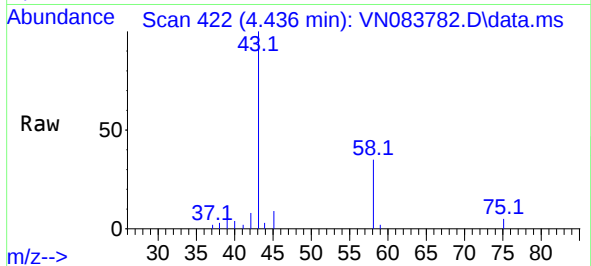




#16
Acetone
Concen: 61.982 ug/l
RT: 4.436 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

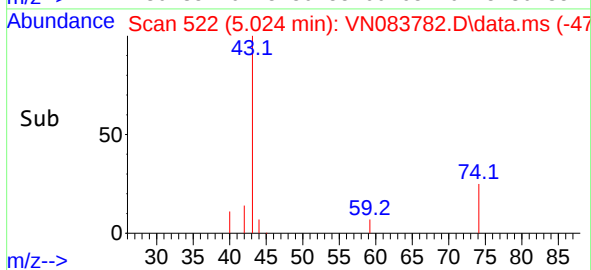
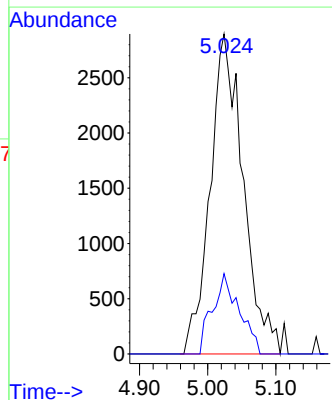
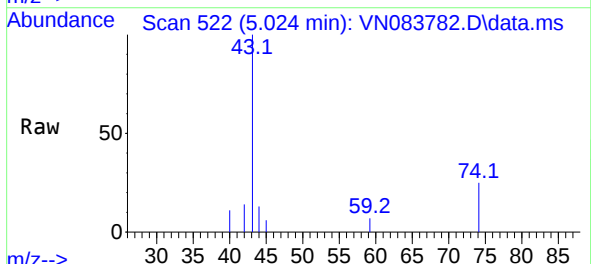
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#12

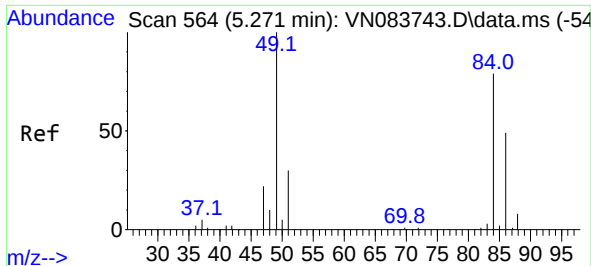
Tgt Ion: 43 Resp: 34923
Ion Ratio Lower Upper
43 100
58 34.6 23.7 35.5



#18
Methyl Acetate
Concen: 6.696 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

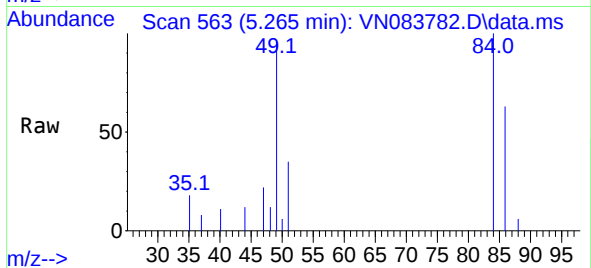
Tgt Ion: 43 Resp: 9747
Ion Ratio Lower Upper
43 100
74 20.4 19.0 28.4





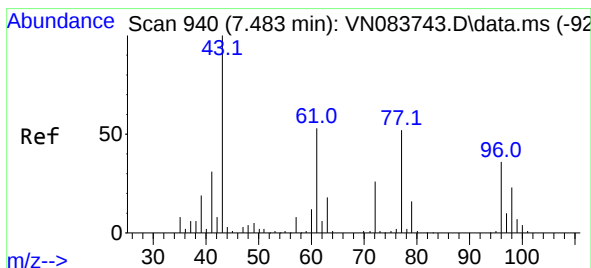
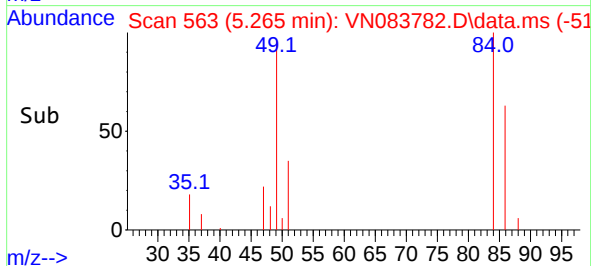
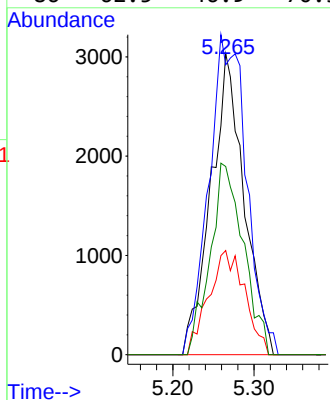
#20
Methylene Chloride
Concen: 7.495 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#12



Tgt Ion: 84 Resp: 8642

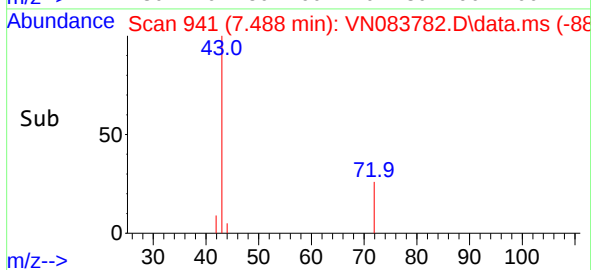
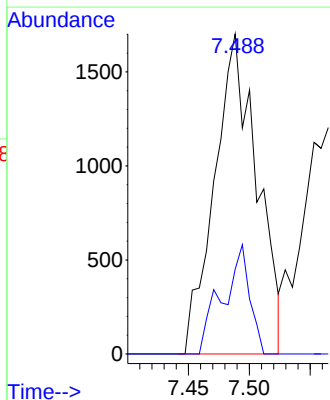
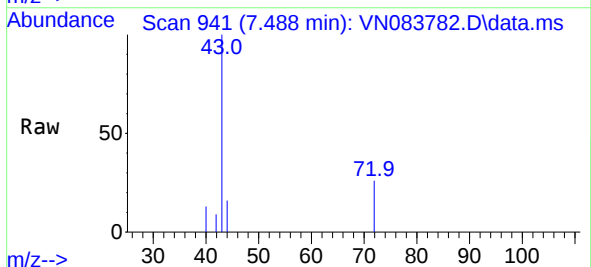
Ion	Ratio	Lower	Upper
84	100		
49	96.3	93.4	140.0
51	34.6	29.2	43.8
86	62.5	46.9	70.3

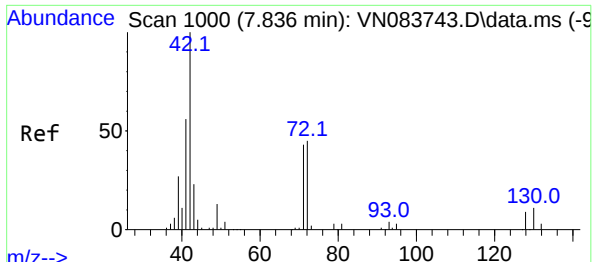


#25
2-Butanone
Concen: 5.573 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

Tgt Ion: 43 Resp: 4127

Ion	Ratio	Lower	Upper
43	100		
72	26.4	20.8	31.2

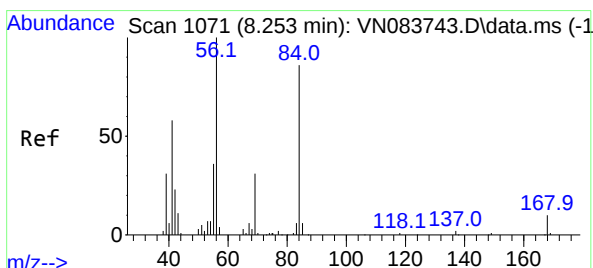
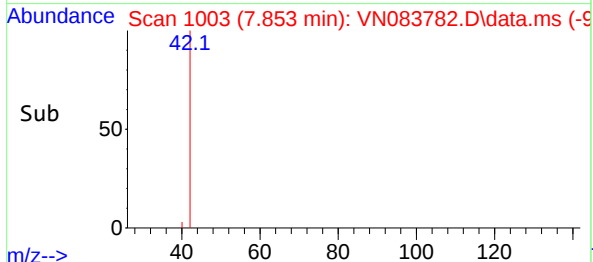
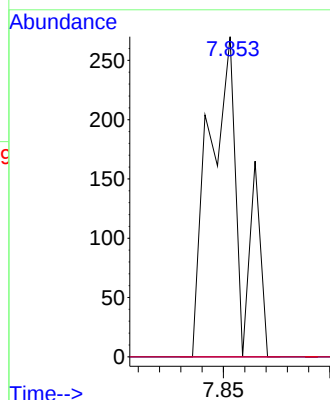
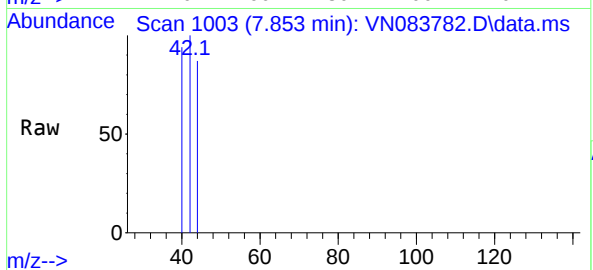




#29
Tetrahydrofuran
Concen: 0.644 ug/l
RT: 7.853 min Scan# 1065
Delta R.T. 0.018 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

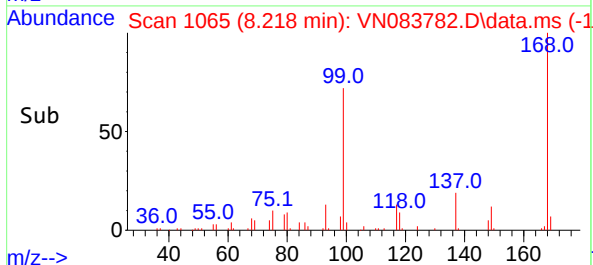
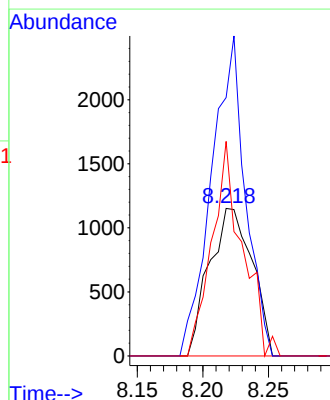
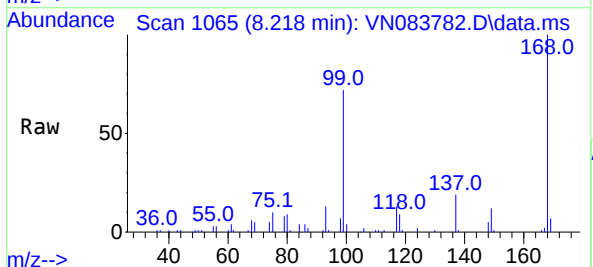
Instrument :
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PB163204ZHE#12

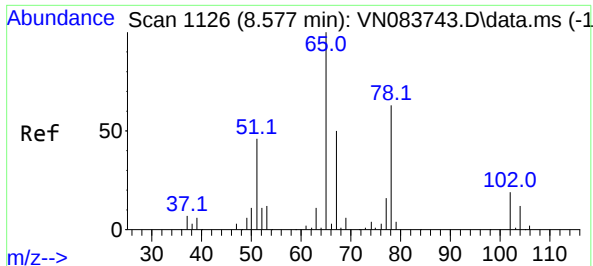
Tgt Ion: 42	Resp:	282	
Ion Ratio	Lower	Upper	
42	100		
72	0.0	35.9	53.9#
71	0.0	33.9	50.9#



#31
Cyclohexane
Concen: 1.288 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

Tgt Ion: 56	Resp:	2617	
Ion	Ratio	Lower	Upper
56	100		
69	175.1	26.9	40.3#
84	145.4	69.2	103.8#

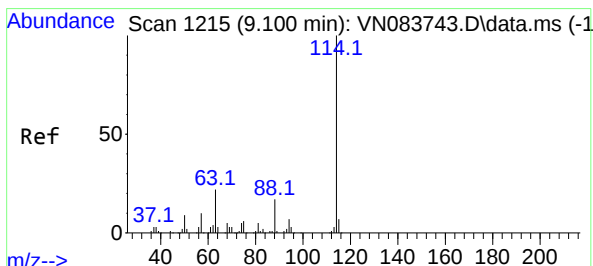
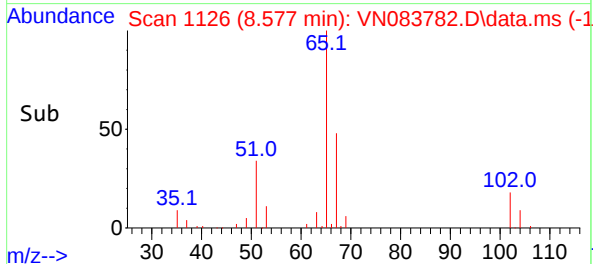
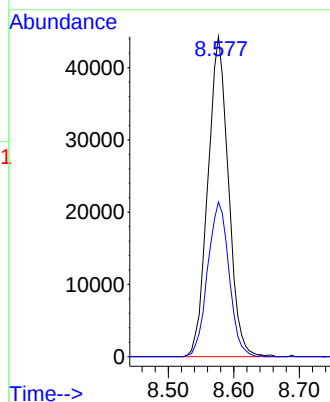
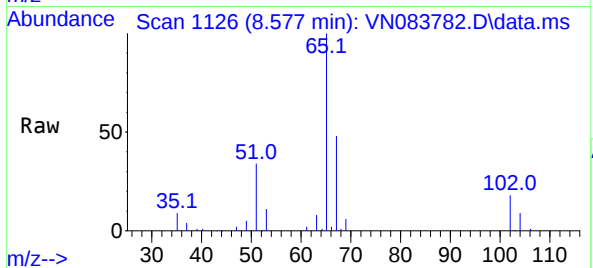




#33
1,2-Dichloroethane-d4
Concen: 68.785 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

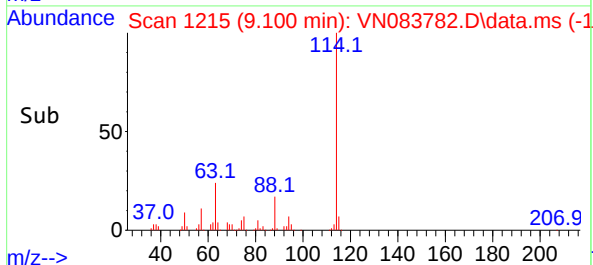
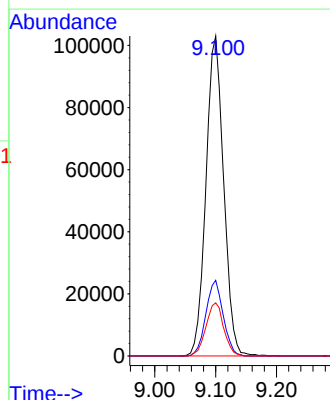
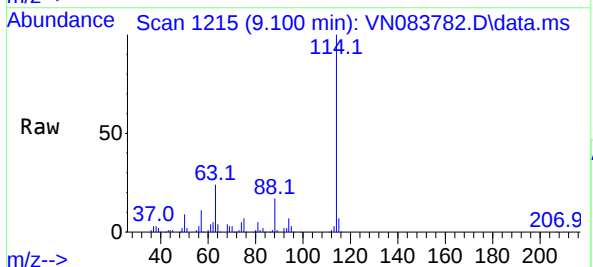
Instrument :
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PB163204ZHE#12

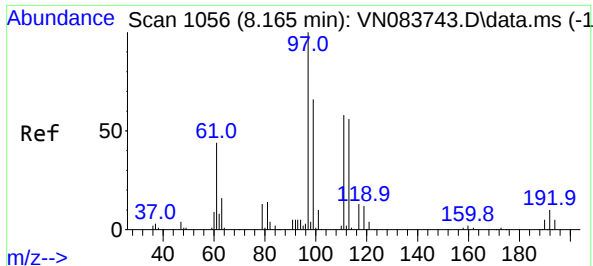
Tgt Ion: 65 Resp: 96679
Ion Ratio Lower Upper
65 100
67 50.1 0.0 100.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

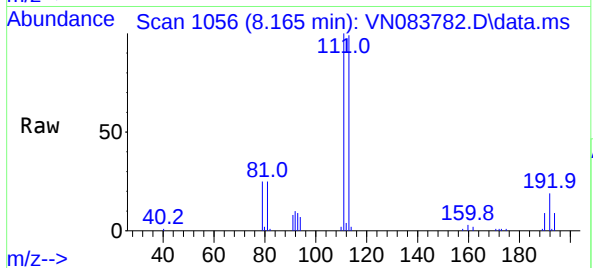
Tgt Ion: 114 Resp: 207876
Ion Ratio Lower Upper
114 100
63 23.7 0.0 43.4
88 16.6 0.0 32.6



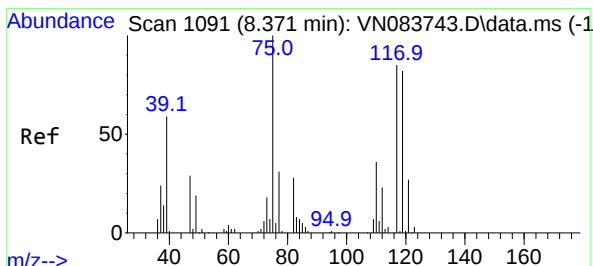
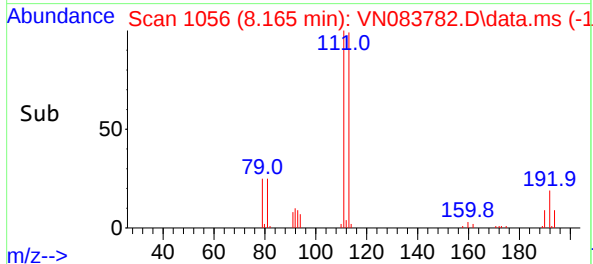
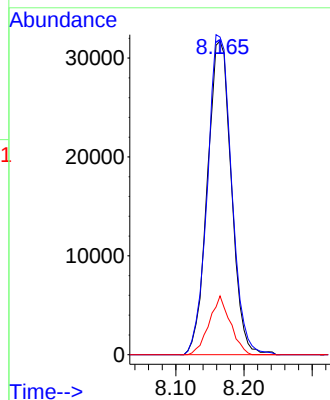


#35
Dibromofluoromethane
Concen: 58.208 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#12

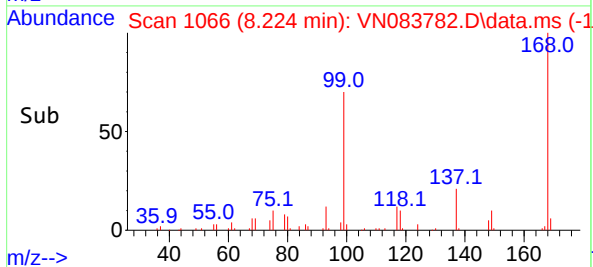
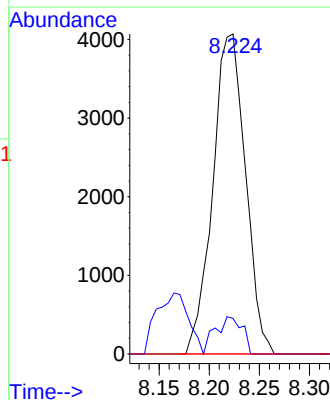
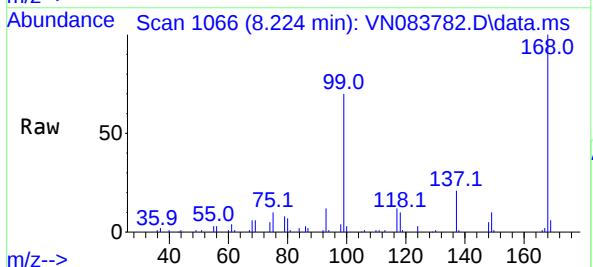


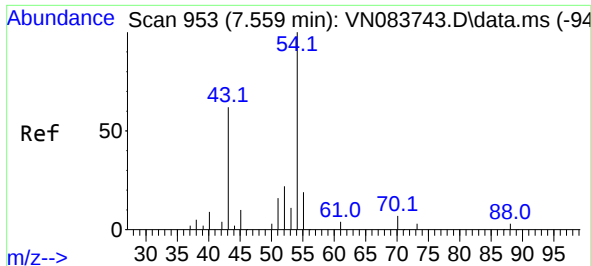
Tgt Ion:113 Resp: 77463
Ion Ratio Lower Upper
113 100
111 102.9 82.6 124.0
192 16.6 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.610 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

Tgt Ion: 75 Resp: 9233
Ion Ratio Lower Upper
75 100
110 9.6 16.7 50.1#
77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 1.599 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN083782.D

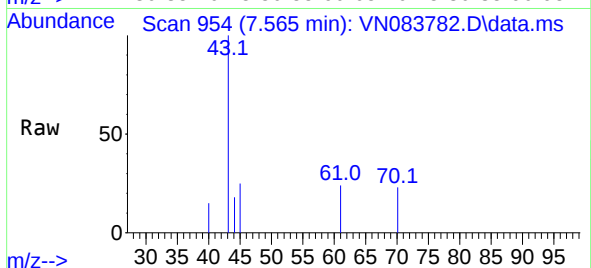
Acq: 11 Sep 2024 09:14

Instrument :

MSVOA_N

ClientSampleId :

PB163204ZHE#12



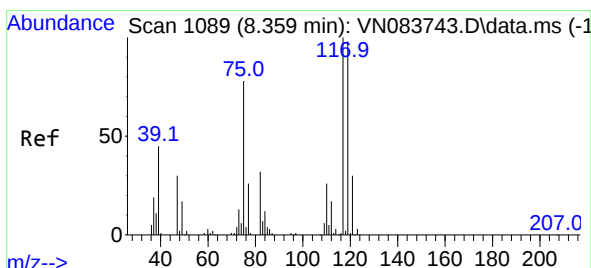
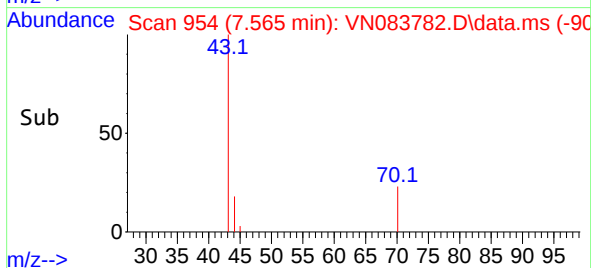
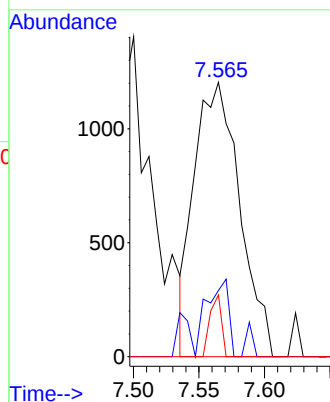
Tgt Ion: 43 Resp: 2907

Ion Ratio Lower Upper

43 100

61 13.6 11.1 16.7

70 5.7 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.166 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN083782.D

Acq: 11 Sep 2024 09:14

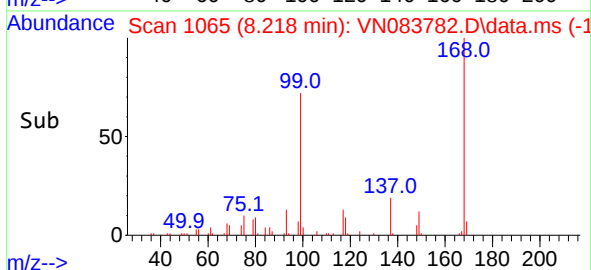
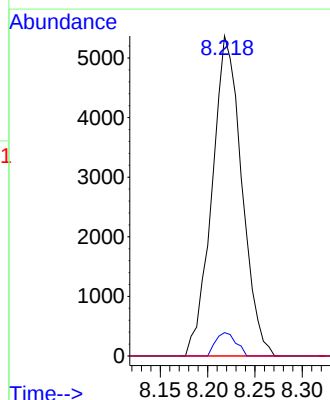
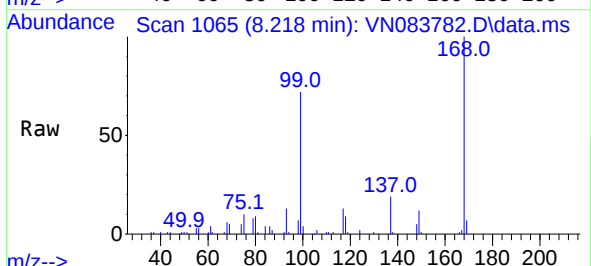
Tgt Ion: 117 Resp: 11740

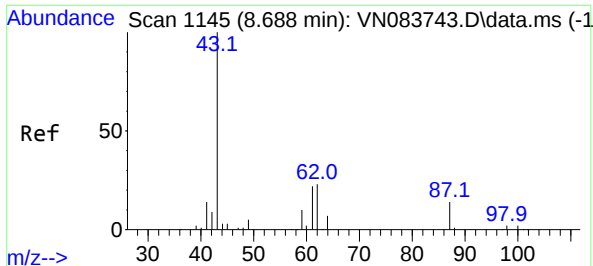
Ion Ratio Lower Upper

117 100

119 7.3 76.1 114.1#

121 0.0 24.1 36.1#





#43

Isopropyl Acetate

Concen: 79.640 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN083782.D

Acq: 11 Sep 2024 09:14

Instrument :

MSVOA_N

ClientSampleId :

PB163204ZHE#12

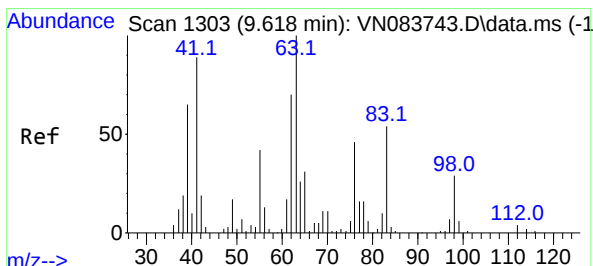
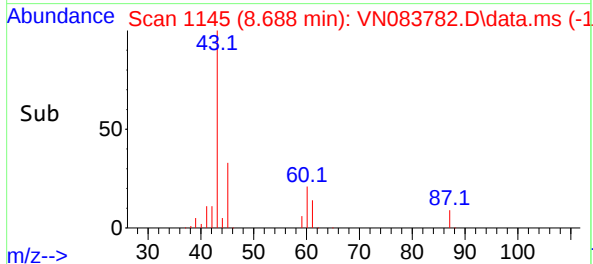
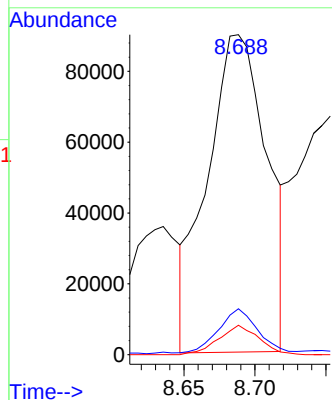
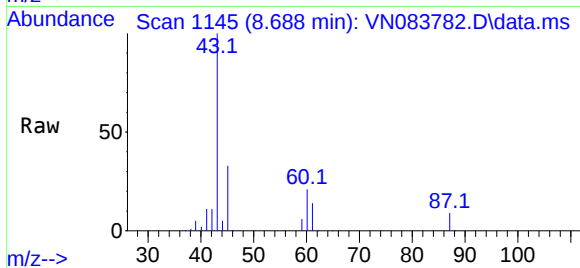
Tgt Ion: 43 Resp: 262394

Ion Ratio Lower Upper

43 100

61 9.0 19.4 29.0#

87 6.2 9.8 14.6#



#45

1,2-Dichloropropane

Concen: 0.814 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.123 min

Lab File: VN083782.D

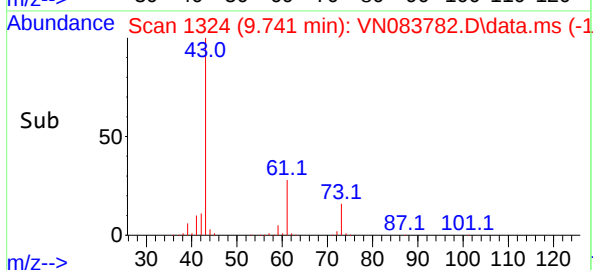
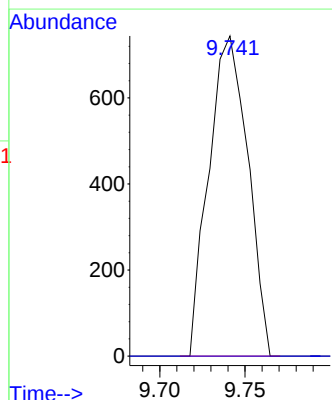
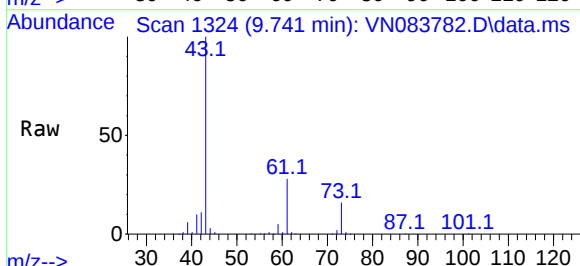
Acq: 11 Sep 2024 09:14

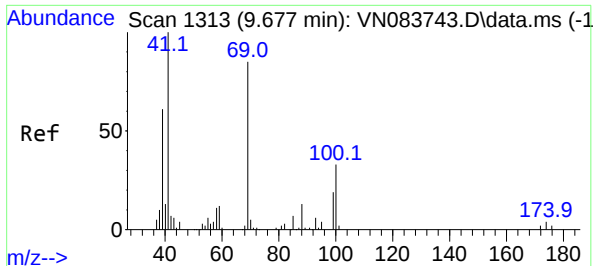
Tgt Ion: 63 Resp: 1186

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#





#48

Methyl methacrylate

Concen: 2.065 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VN083782.D

Acq: 11 Sep 2024 09:14

Instrument :

MSVOA_N

ClientSampleId :

PB163204ZHE#12

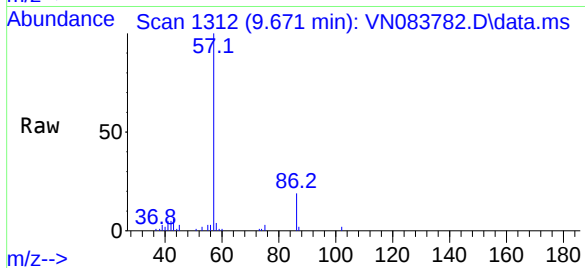
Tgt Ion: 41 Resp: 3228

Ion Ratio Lower Upper

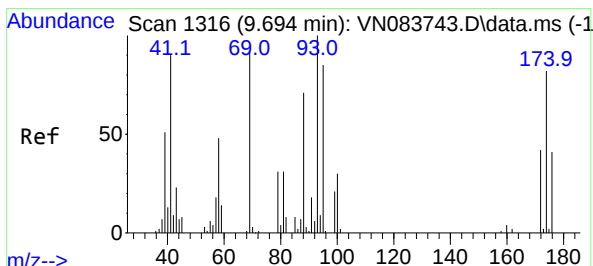
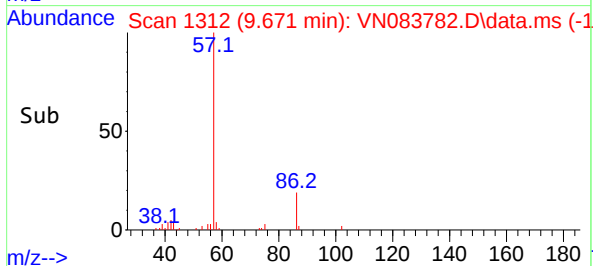
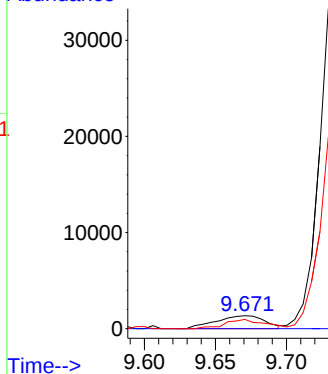
41 100

69 0.0 64.3 96.5#

39 58.4 48.9 73.3



Abundance



#49

1,4-Dioxane

Concen: 2.605 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.053 min

Lab File: VN083782.D

Acq: 11 Sep 2024 09:14

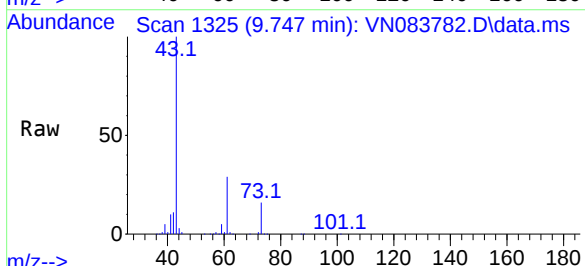
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

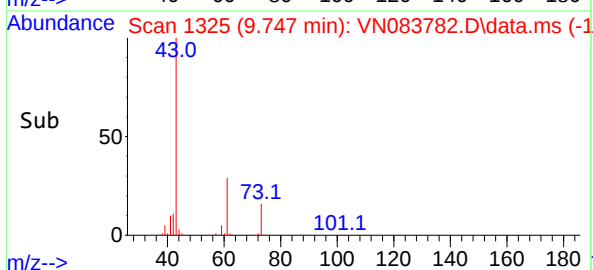
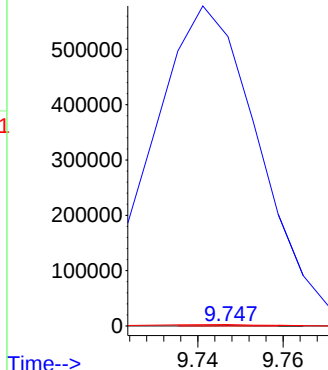
88 100

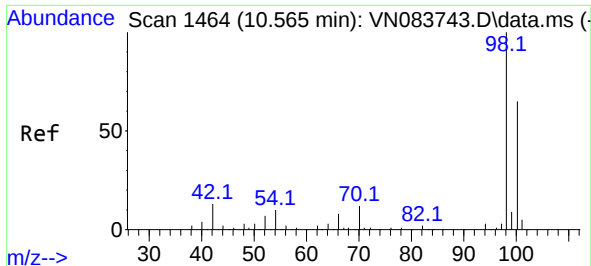
43 1554328.4 0.0 0.0#

58 6759.7 57.1 85.7#



Abundance

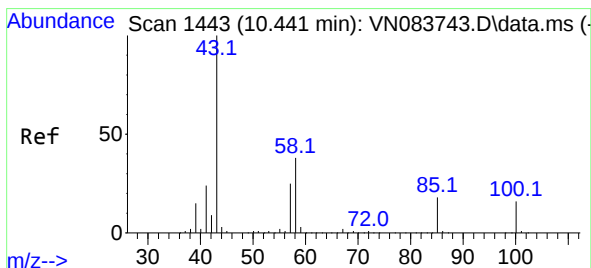
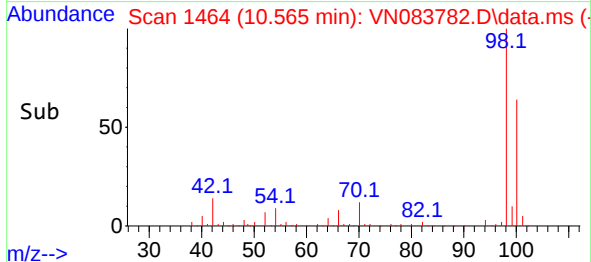
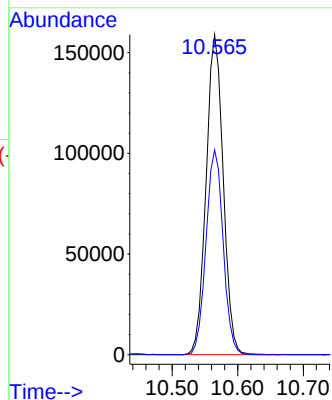
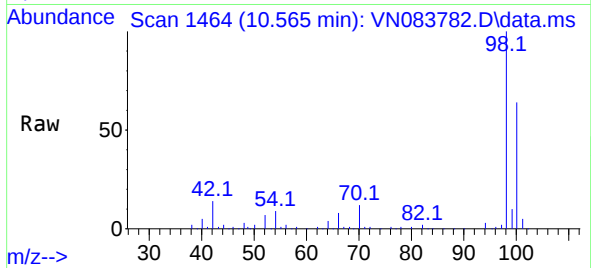




#50
Toluene-d8
Concen: 62.770 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

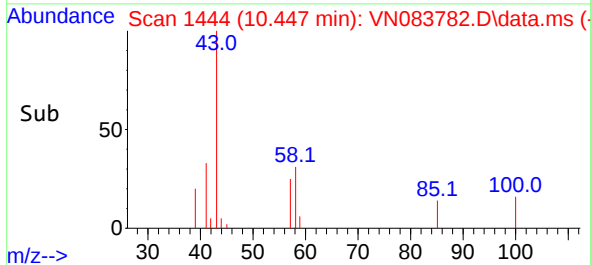
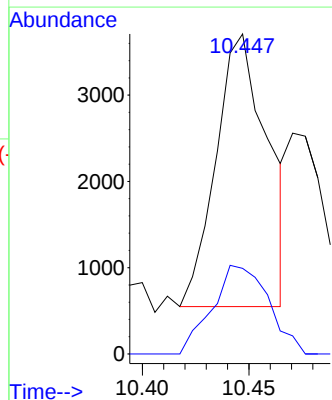
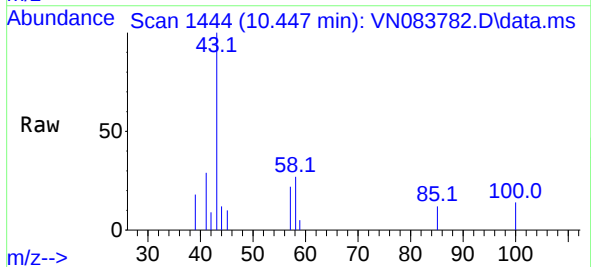
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#12

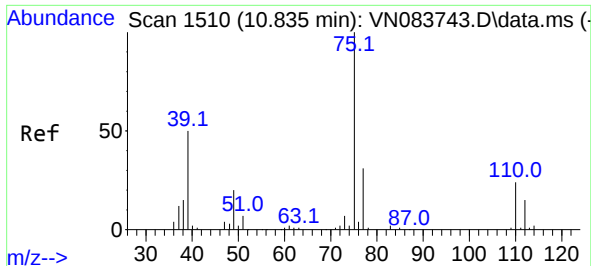
Tgt Ion: 98 Resp: 288781
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.965 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

Tgt Ion: 43 Resp: 5317
Ion Ratio Lower Upper
43 100
58 35.5 31.6 47.4

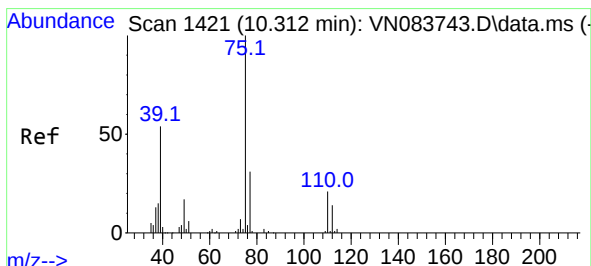
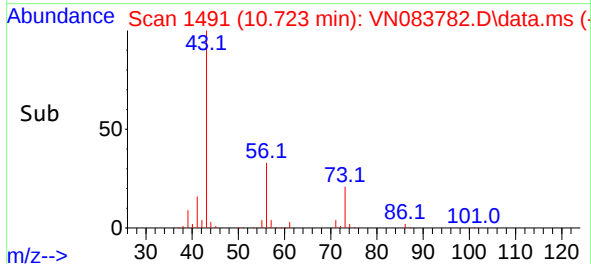
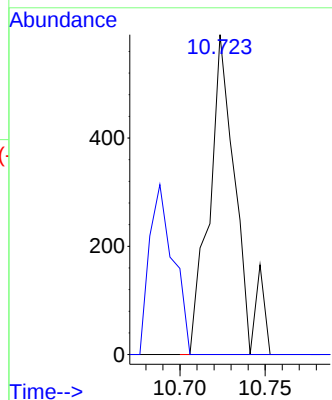
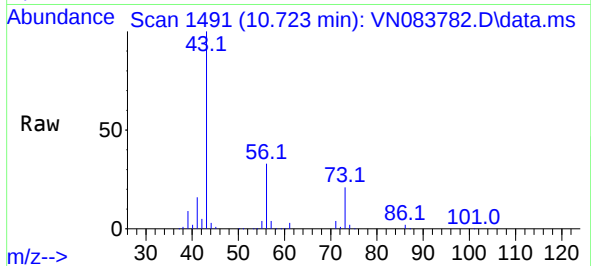




#53
t-1,3-Dichloropropene
Concen: 0.290 ug/l
RT: 10.723 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

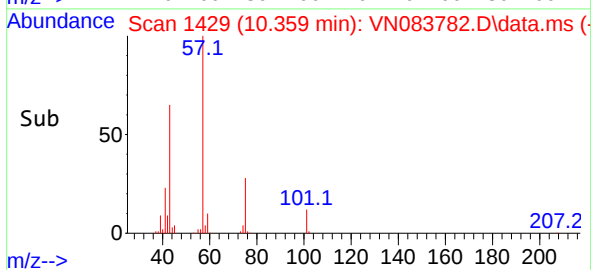
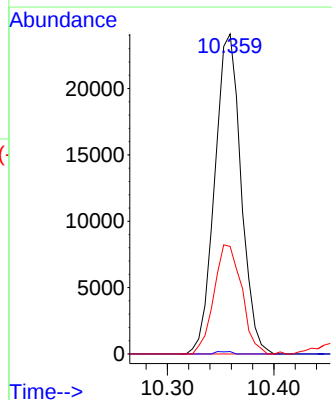
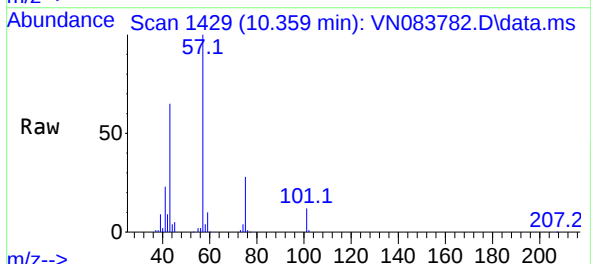
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#12

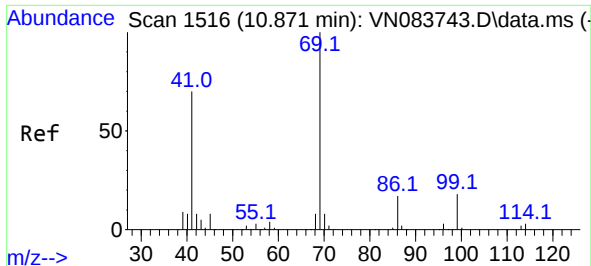
Tgt Ion: 75 Resp: 649
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#



#54
cis-1,3-Dichloropropene
Concen: 17.567 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

Tgt Ion: 75 Resp: 41316
Ion Ratio Lower Upper
75 100
77 0.8 25.0 37.6#
39 33.6 42.6 64.0#

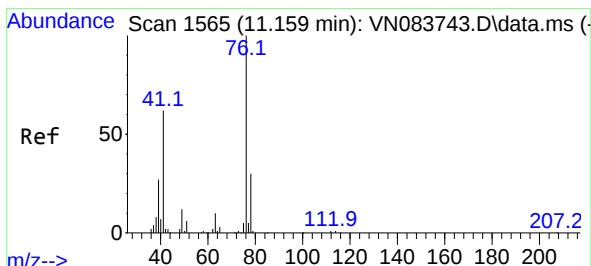
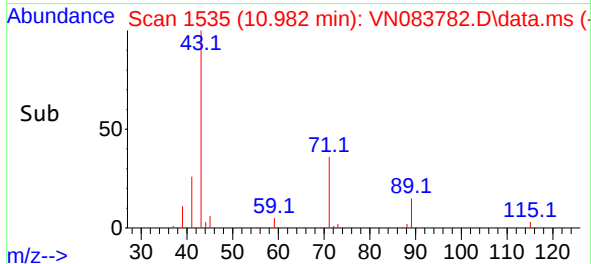
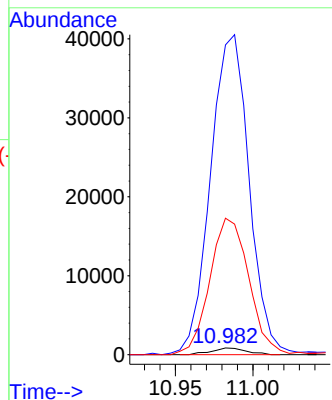
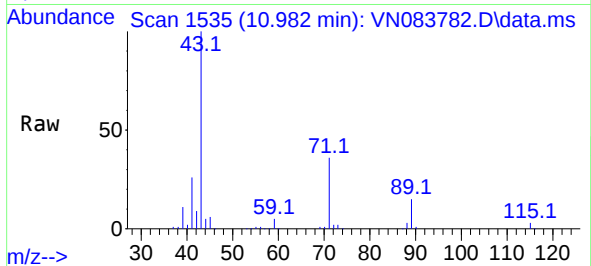




#56
Ethyl methacrylate
Concen: 0.621 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

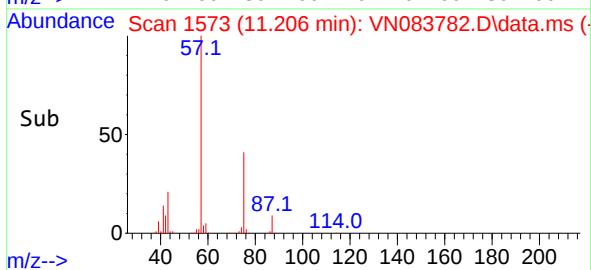
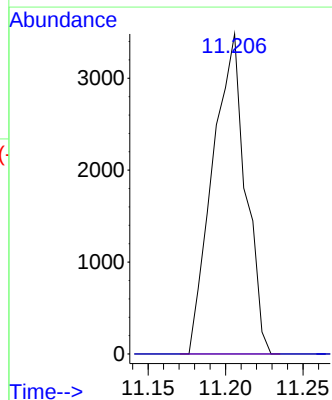
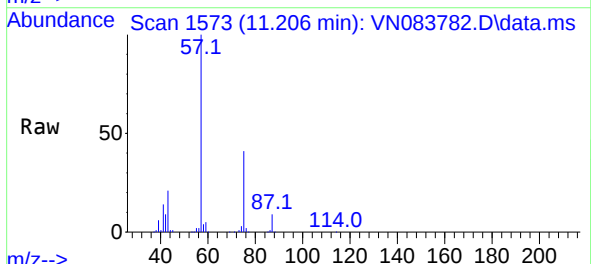
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#12

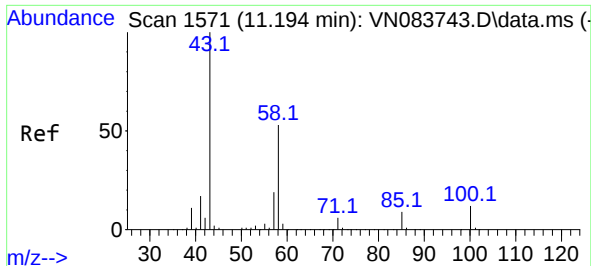
Tgt Ion: 69 Resp: 1315
Ion Ratio Lower Upper
69 100
41 5371.8 53.9 80.9#
39 2309.4 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 2.179 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.047 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

Tgt Ion: 76 Resp: 5155
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

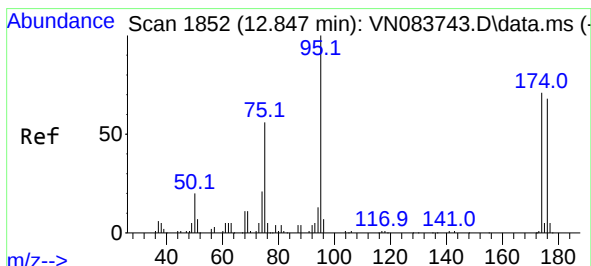
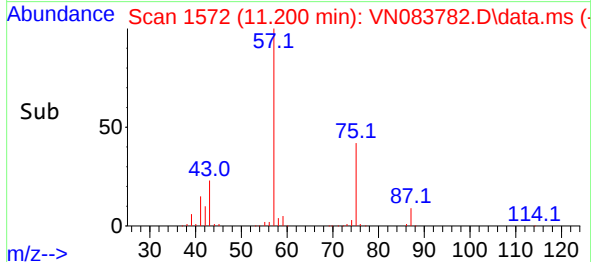
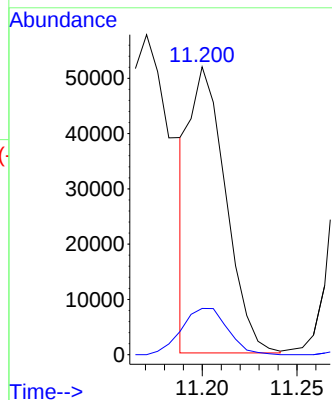
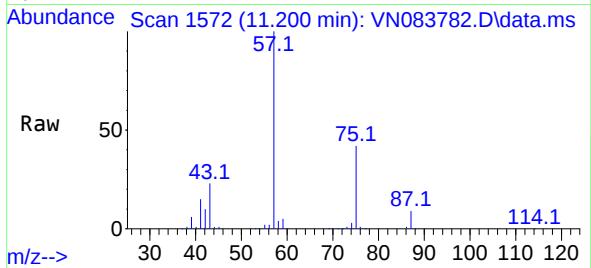




#59
2-Hexanone
Concen: 52.130 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

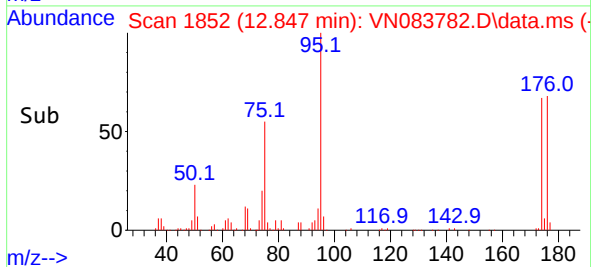
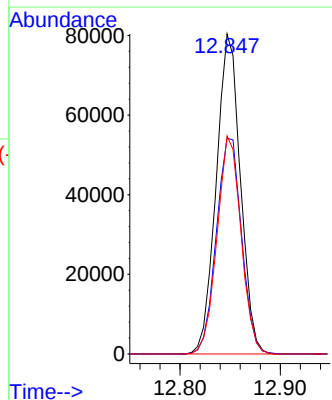
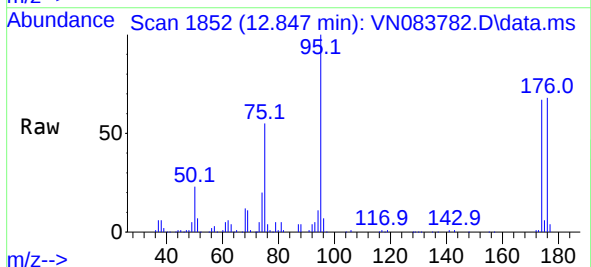
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#12

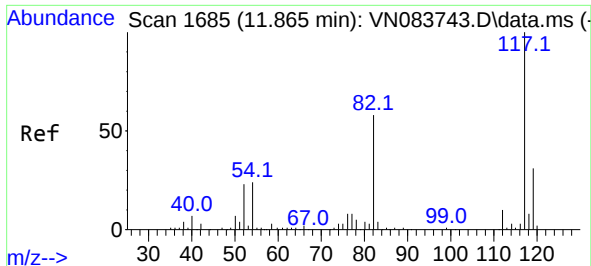
Tgt Ion: 43 Resp: 69161
Ion Ratio Lower Upper
43 100
58 20.6 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 70.835 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

Tgt Ion: 95 Resp: 134453
Ion Ratio Lower Upper
95 100
174 70.5 0.0 139.8
176 67.5 0.0 131.4

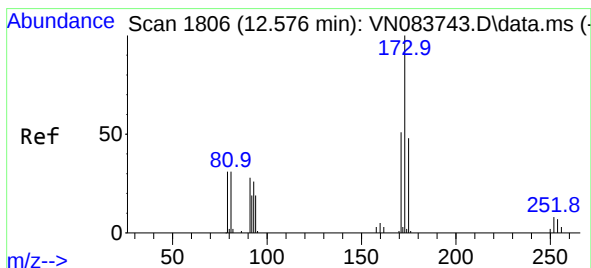
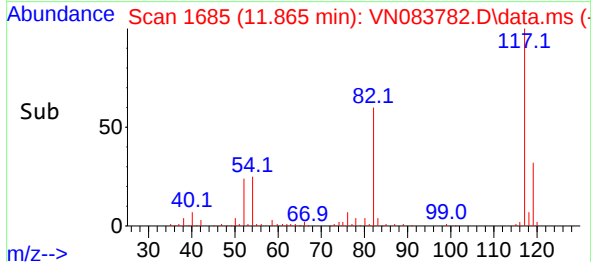
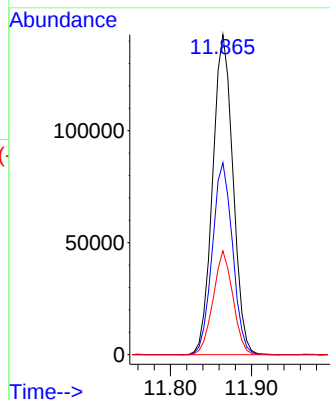
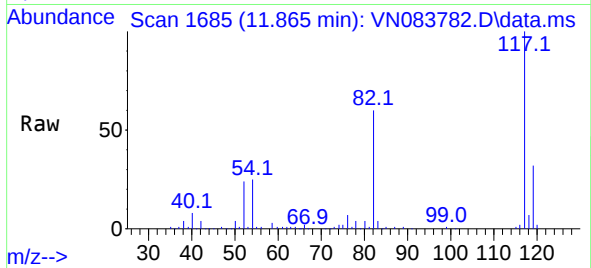




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

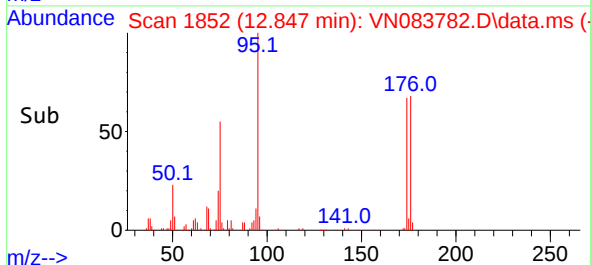
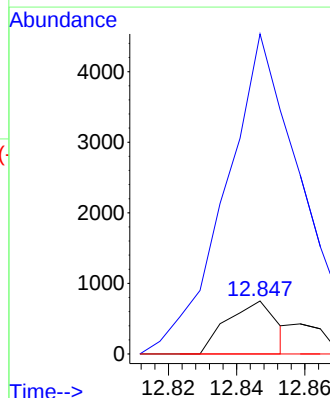
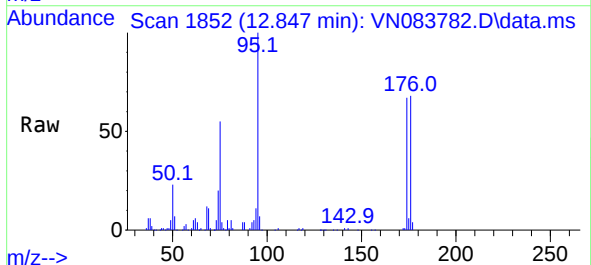
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#12

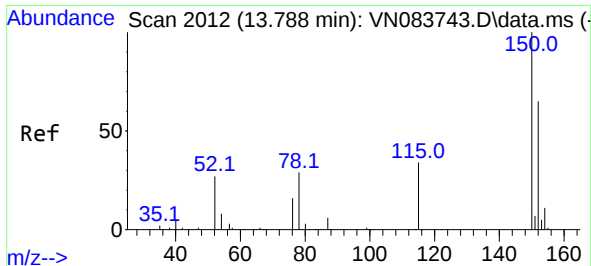
Tgt Ion:117 Resp: 248911
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.0
119 32.5 26.3 39.5



#71
Bromoform
Concen: 0.590 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

Tgt Ion:173 Resp: 762
Ion Ratio Lower Upper
173 100
175 684.6 24.1 72.2#
254 0.0 0.0 0.0

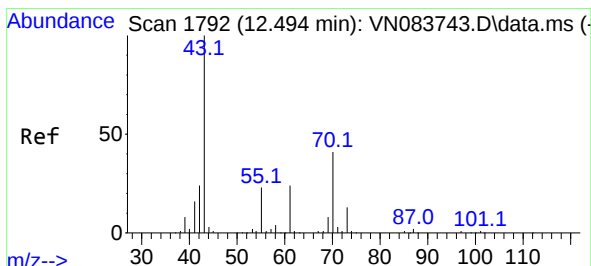
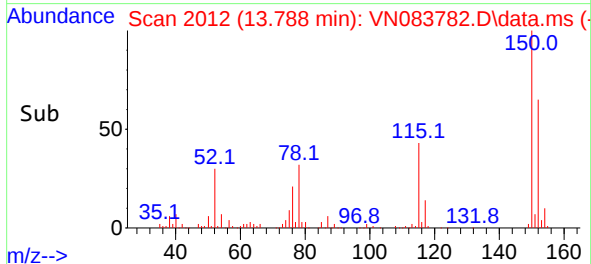
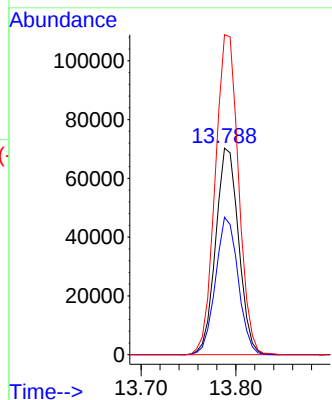
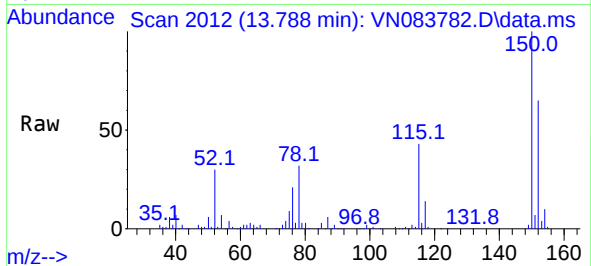




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

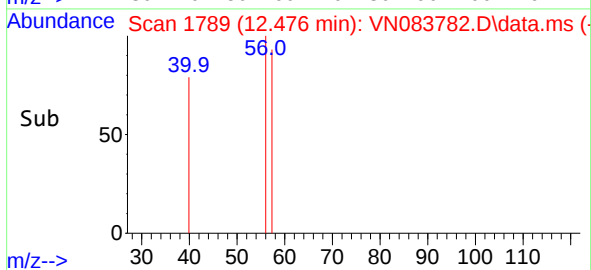
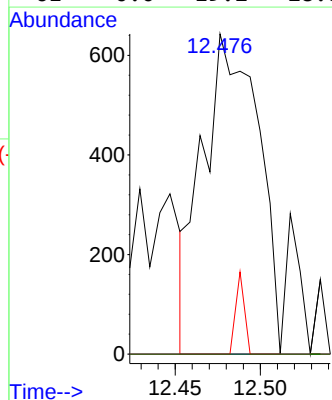
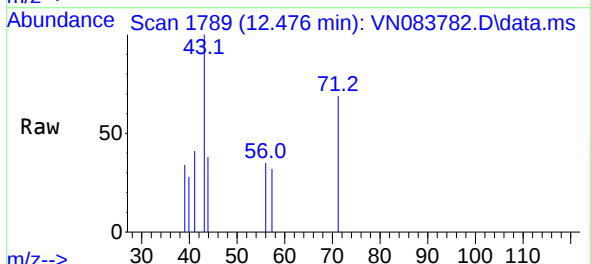
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#12

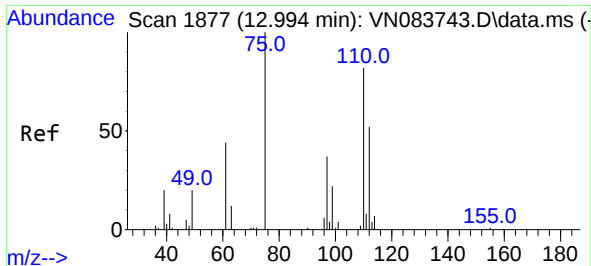
Tgt Ion:152 Resp: 118472
Ion Ratio Lower Upper
152 100
115 65.8 32.2 96.6
150 157.3 0.0 348.6



#74
N-ethyl acetate
Concen: 0.375 ug/l
RT: 12.476 min Scan# 1789
Delta R.T. -0.018 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

Tgt Ion: 43 Resp: 1465
Ion Ratio Lower Upper
43 100
70 0.0 34.5 51.7#
55 4.0 18.6 28.0#
61 0.0 19.2 28.8#

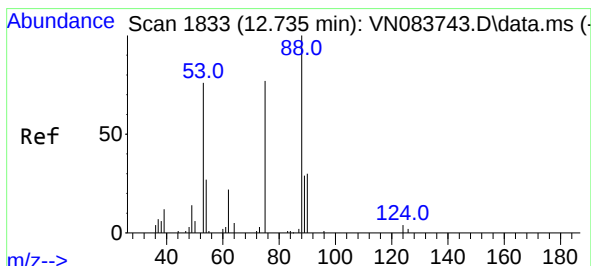
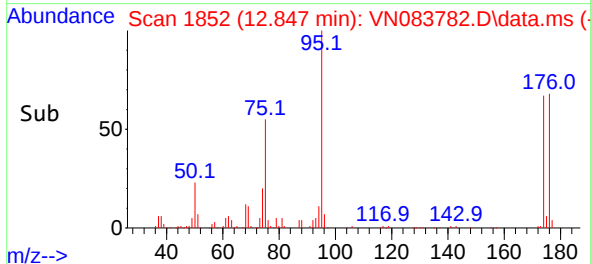
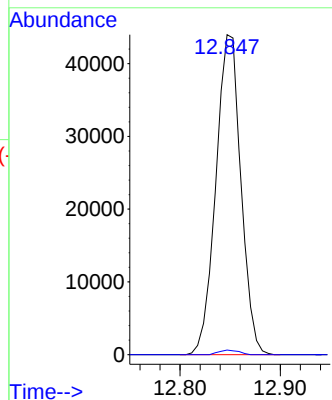
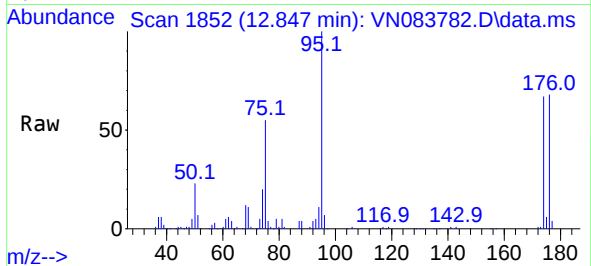




#76
1,2,3-Trichloropropane
Concen: 31.890 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#12

Tgt Ion: 75 Resp: 76234
Ion Ratio Lower Upper
75 100
77 1.2 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.522 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083782.D
Acq: 11 Sep 2024 09:14

Tgt Ion: 75 Resp: 76234
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

