

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081624\
 Data File : VN083361.D
 Acq On : 16 Aug 2024 18:05
 Operator : JC\MD
 Sample : PB162767ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

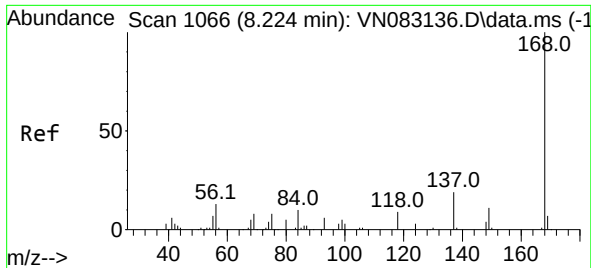
Quant Time: Aug 17 01:53:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	117235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	238600	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	260563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	115044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	105670	63.324	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 126.640%#		
35) Dibromofluoromethane	8.171	113	85772	57.593	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 115.180%		
50) Toluene-d8	10.571	98	321895	57.943	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 115.880%#		
62) 4-Bromofluorobenzene	12.853	95	135587	62.603	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 125.200%#		
Target Compounds						Qvalue
16) Acetone	4.436	43	24567	37.624	ug/l	90
18) Methyl Acetate	5.030	43	2304	1.184	ug/l #	65
20) Methylene Chloride	5.271	84	7363	4.900	ug/l #	77
25) 2-Butanone	7.494	43	4563	4.551	ug/l #	90
31) Cyclohexane	8.230	56	2944	1.190	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	10378	4.607	ug/l #	52
37) Ethyl Acetate	7.565	43	3278	1.300	ug/l #	88
38) Carbon Tetrachloride	8.230	117	12905	5.086	ug/l #	17
42) 1,2-Dichloroethane	8.683	62	1398	0.572	ug/l #	78
43) Isopropyl Acetate	8.688	43	300562	70.369	ug/l #	76
45) 1,2-Dichloropropane	9.753	63	1272	0.798	ug/l #	44
48) Methyl methacrylate	9.665	41	3683	1.766	ug/l #	48
51) 4-Methyl-2-Pentanone	10.441	43	9438	3.957	ug/l #	74
53) t-1,3-Dichloropropene	10.729	75	790	0.300	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	41544	14.851	ug/l #	55
56) Ethyl methacrylate	10.988	69	1063	0.371	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5167	1.908	ug/l #	43
59) 2-Hexanone	11.171	43	98602	53.431	ug/l #	28
71) Bromoform	12.847	173	592	0.385	ug/l #	29
74) N-amyl acetate	12.482	43	1248	0.265	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	74573	29.535	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	74573	64.245	ug/l #	6

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
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QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

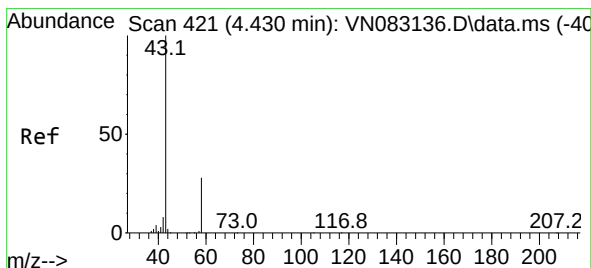
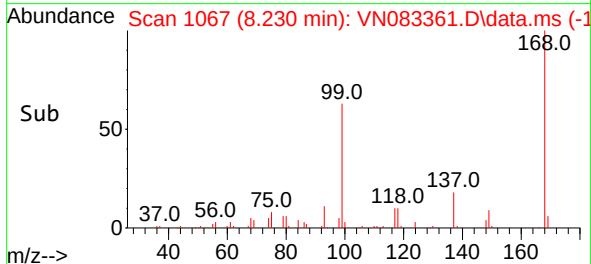
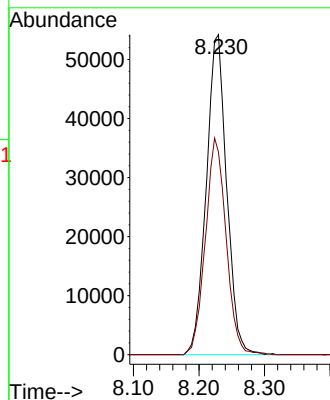
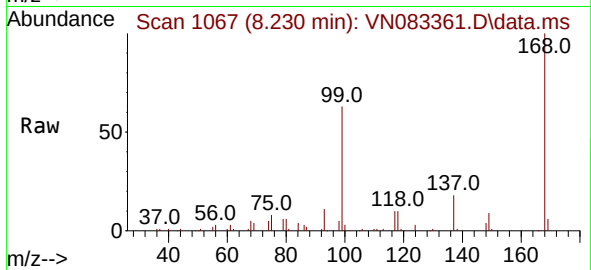




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN083361.D
Acq: 16 Aug 2024 18:05

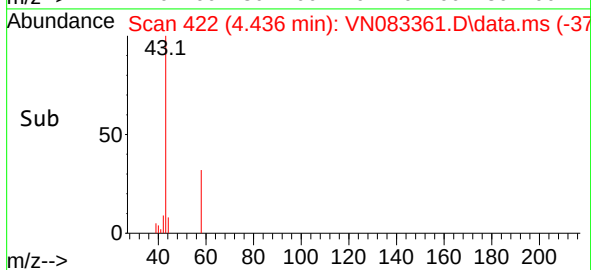
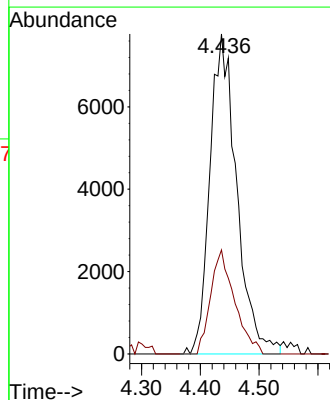
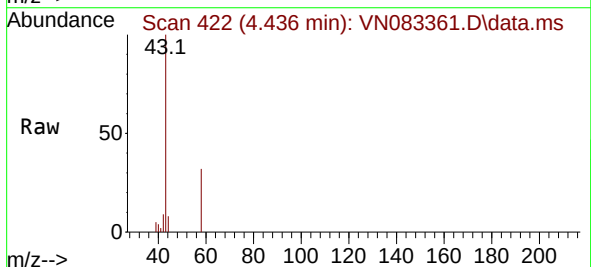
Instrument :
MSVOA_N
ClientSampleId :

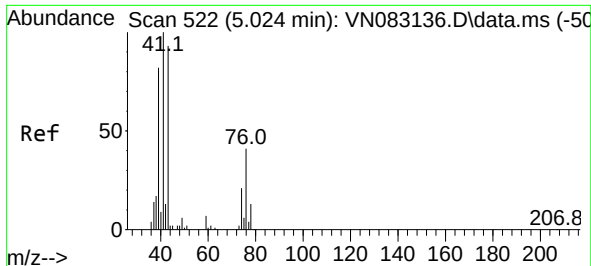
Tgt Ion:168 Resp: 117235
Ion Ratio Lower Upper
168 100
99 63.4 48.2 72.4



#16
Acetone
Concen: 37.624 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083361.D
Acq: 16 Aug 2024 18:05

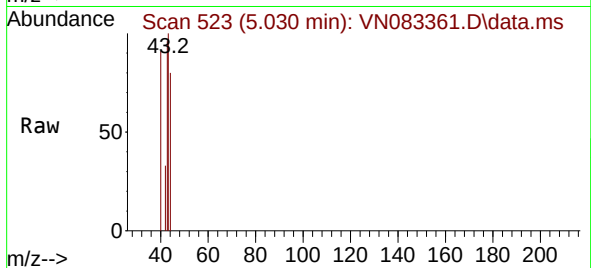
Tgt Ion: 43 Resp: 24567
Ion Ratio Lower Upper
43 100
58 32.5 21.8 32.6



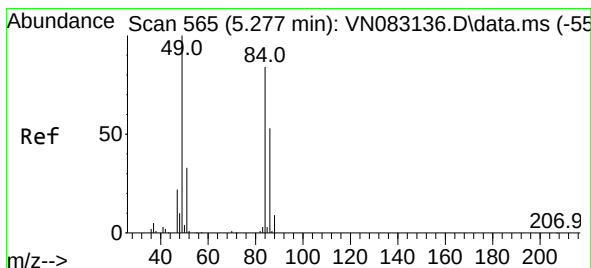
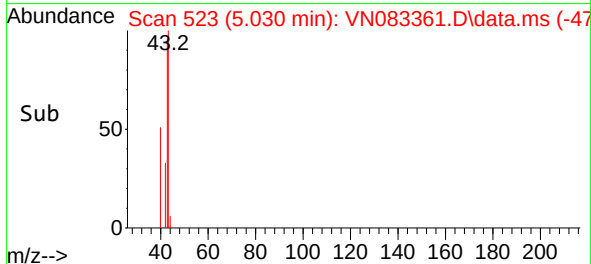
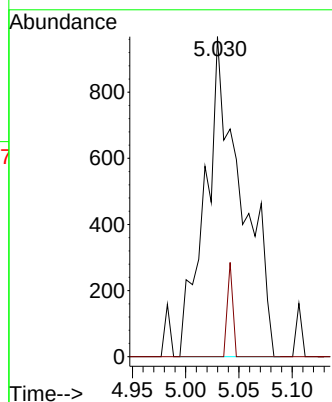


#18
Methyl Acetate
Concen: 1.184 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083361.D
Acq: 16 Aug 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :

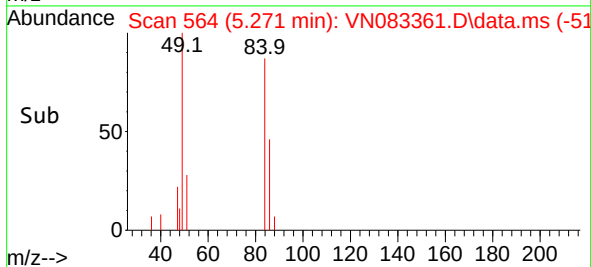
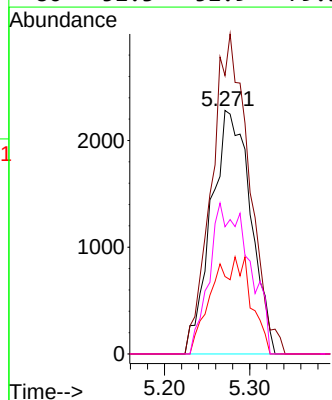
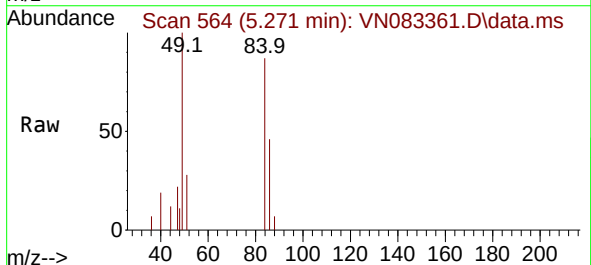


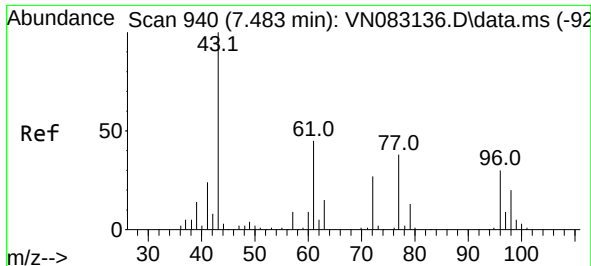
Tgt Ion: 43 Resp: 2304
Ion Ratio Lower Upper
43 100
74 4.4 16.3 24.5#



#20
Methylene Chloride
Concen: 4.900 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN083361.D
Acq: 16 Aug 2024 18:05

Tgt Ion: 84 Resp: 7363
Ion Ratio Lower Upper
84 100
49 114.4 119.6 179.4#
51 31.8 34.8 52.2#
86 52.3 52.9 79.3#

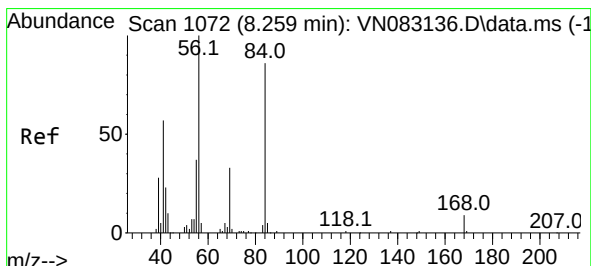
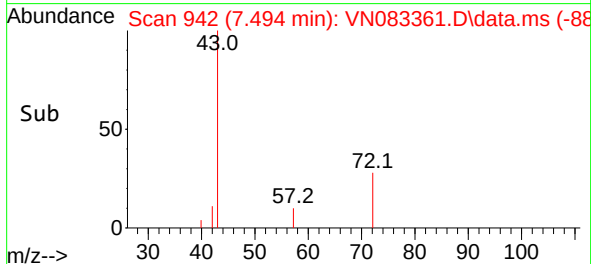
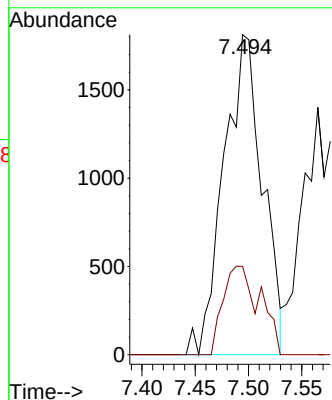
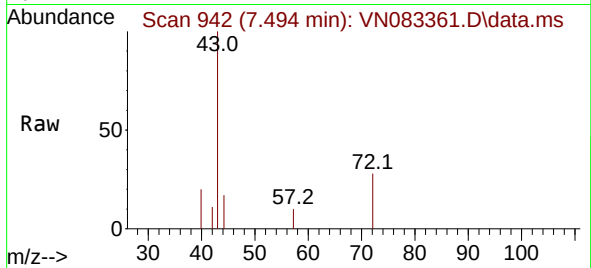




#25
2-Butanone
Concen: 4.551 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN083361.D
Acq: 16 Aug 2024 18:05

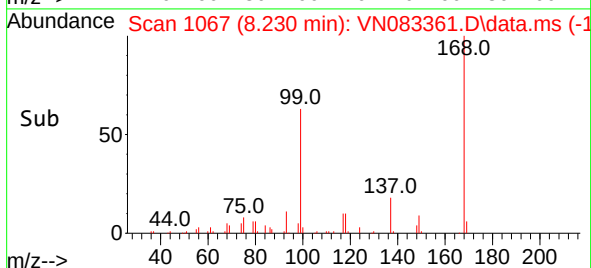
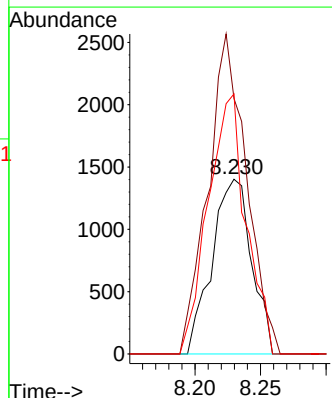
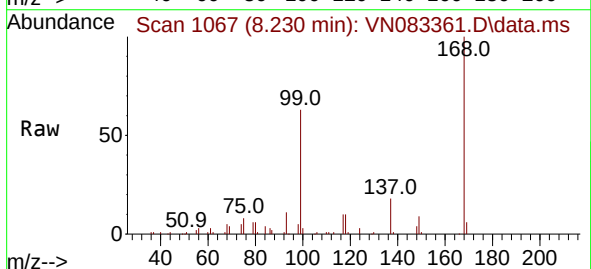
Instrument :
MSVOA_N
ClientSampleId :

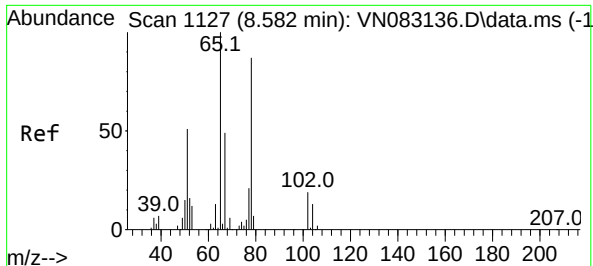
Tgt Ion: 43 Resp: 4563
Ion Ratio Lower Upper
43 100
72 27.6 18.2 27.2#



#31
Cyclohexane
Concen: 1.190 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN083361.D
Acq: 16 Aug 2024 18:05

Tgt Ion: 56 Resp: 2944
Ion Ratio Lower Upper
56 100
69 146.3 24.5 36.7#
84 148.8 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 63.324 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN083361.D

Acq: 16 Aug 2024 18:05

Instrument :

MSVOA_N

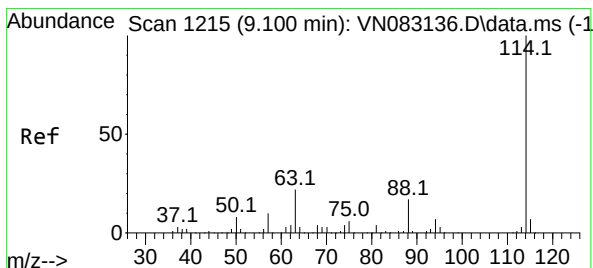
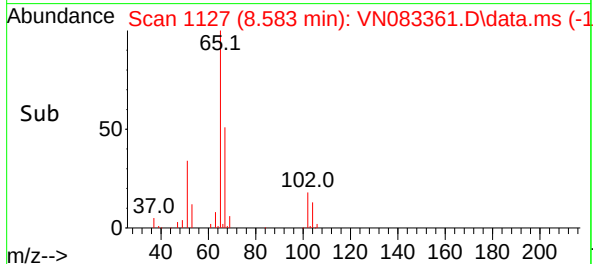
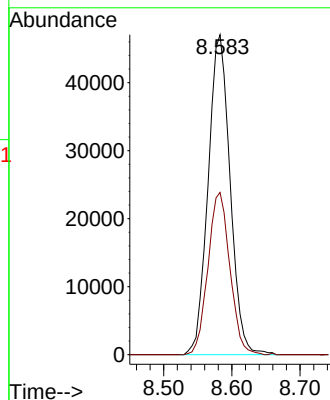
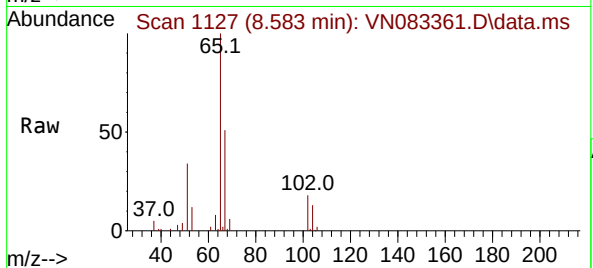
ClientSampleId :

Tgt Ion: 65 Resp: 105670

Ion Ratio Lower Upper

65 100

67 50.5 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN083361.D

Acq: 16 Aug 2024 18:05

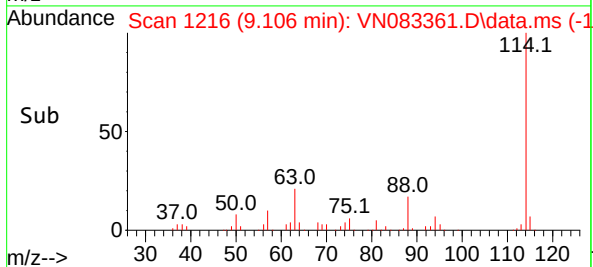
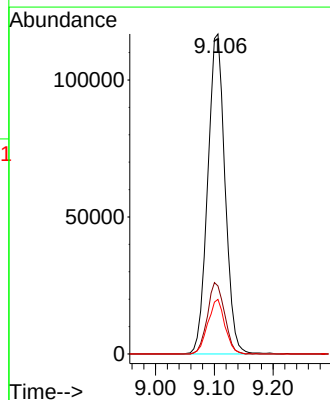
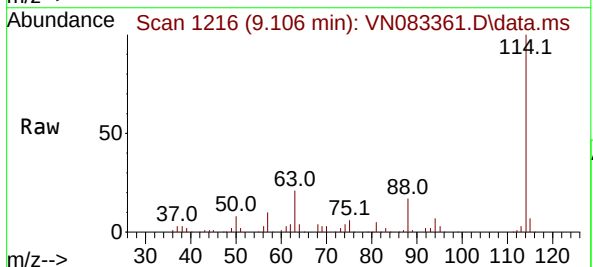
Tgt Ion: 114 Resp: 238600

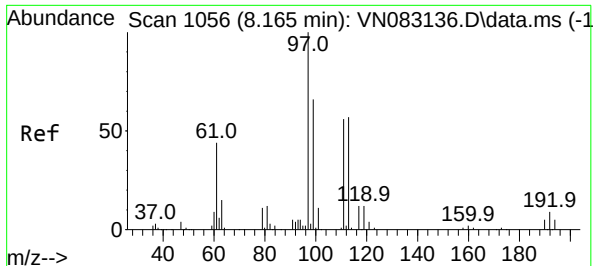
Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.6

88 17.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 57.593 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN083361.D

Acq: 16 Aug 2024 18:05

Instrument :

MSVOA_N

ClientSampleId :

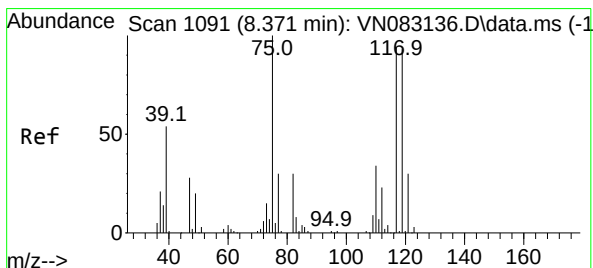
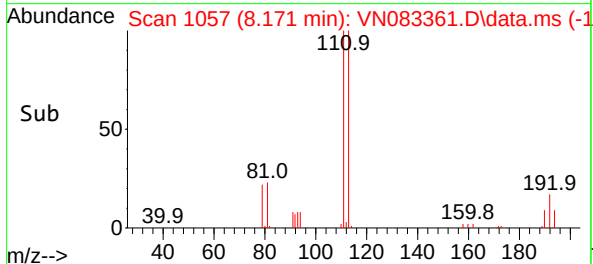
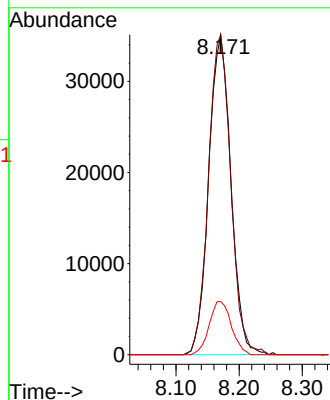
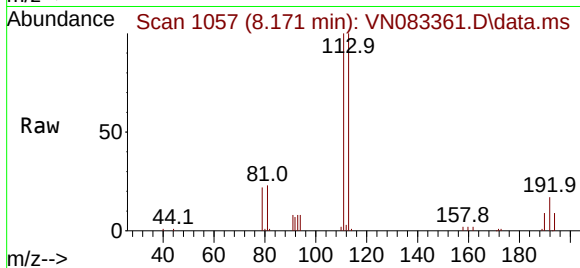
Tgt Ion:113 Resp: 85772

Ion Ratio Lower Upper

113 100

111 100.6 82.4 123.6

192 16.6 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.607 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083361.D

Acq: 16 Aug 2024 18:05

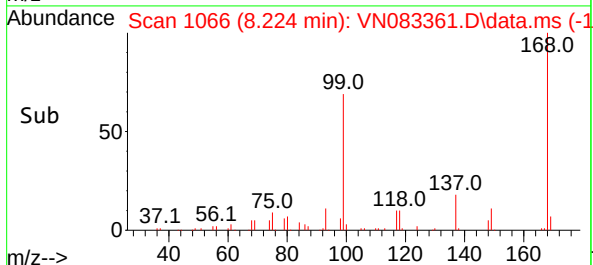
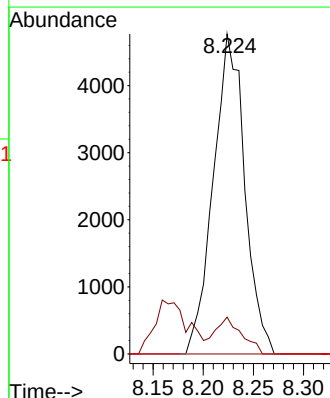
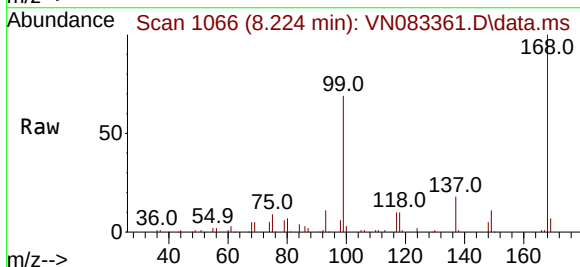
Tgt Ion: 75 Resp: 10378

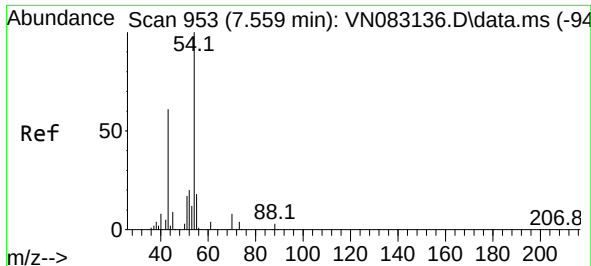
Ion Ratio Lower Upper

75 100

110 9.9 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.300 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

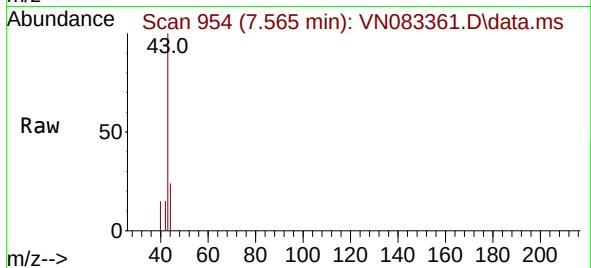
Lab File: VN083361.D

Acq: 16 Aug 2024 18:05

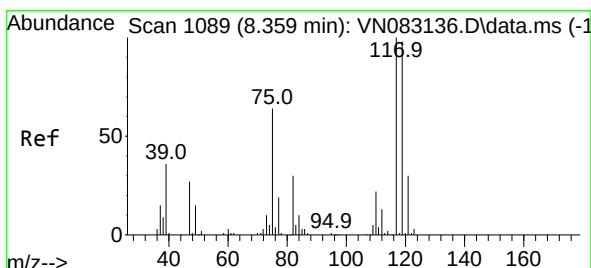
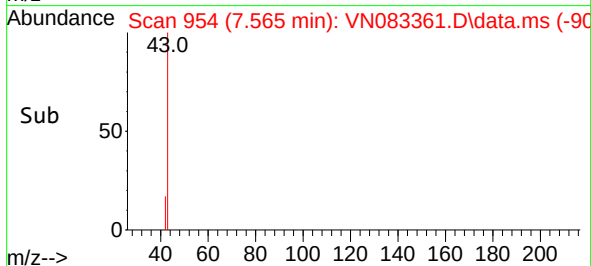
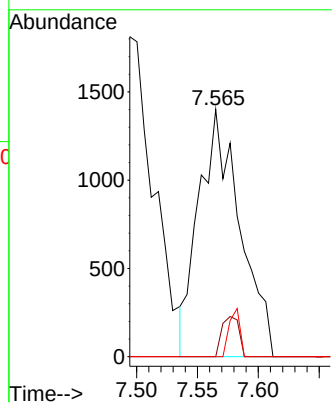
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3278
Ion	Ratio	Lower	Upper
43	100		
61	6.7	9.3	13.9#
70	5.2	7.0	10.6#



#38

Carbon Tetrachloride

Concen: 5.086 ug/l

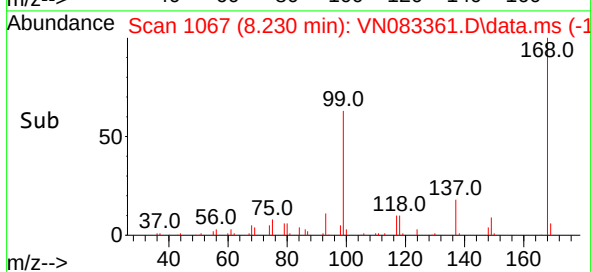
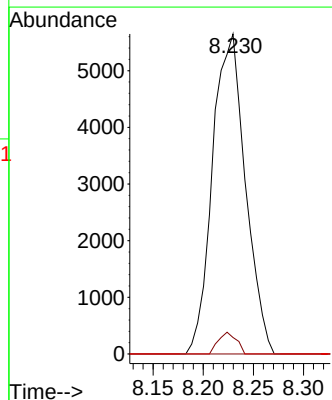
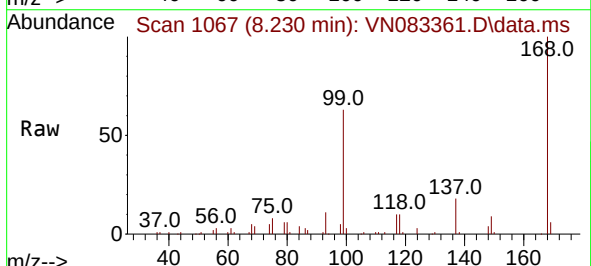
RT: 8.230 min Scan# 1067

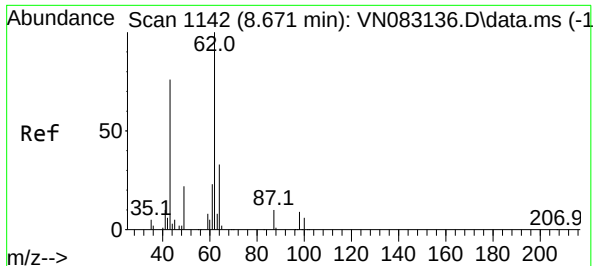
Delta R.T. -0.129 min

Lab File: VN083361.D

Acq: 16 Aug 2024 18:05

Tgt Ion:	117	Resp:	12905
Ion	Ratio	Lower	Upper
117	100		
119	5.2	74.9	112.3#
121	0.0	24.3	36.5#





#42

1,2-Dichloroethane

Concen: 0.572 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN083361.D

Acq: 16 Aug 2024 18:05

Instrument :

MSVOA_N

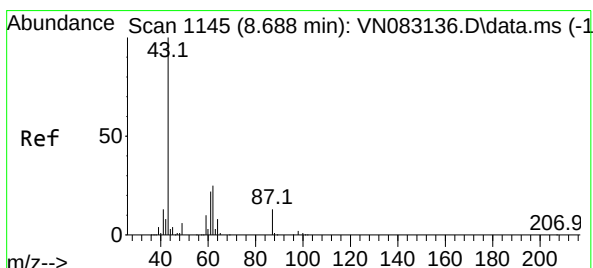
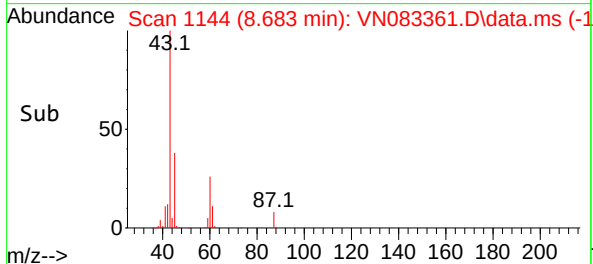
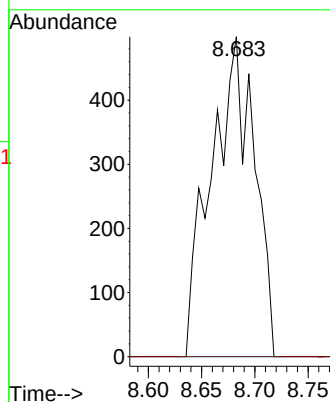
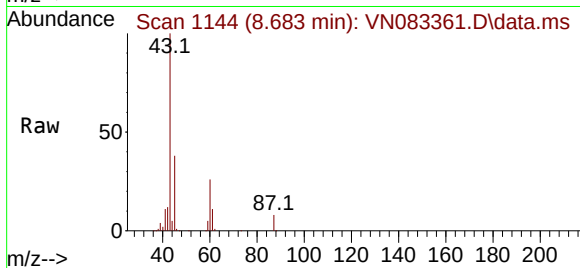
ClientSampleId :

Tgt Ion: 62 Resp: 1398

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 70.369 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083361.D

Acq: 16 Aug 2024 18:05

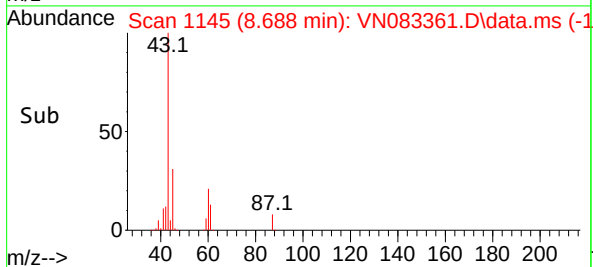
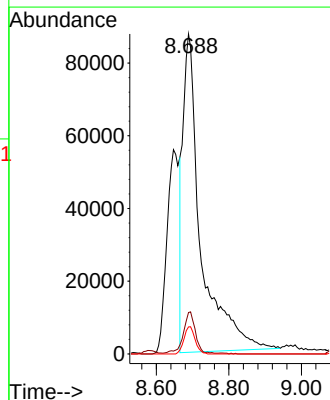
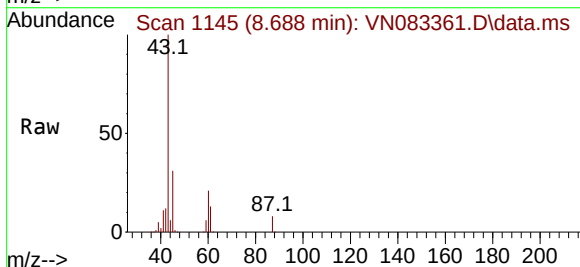
Tgt Ion: 43 Resp: 300562

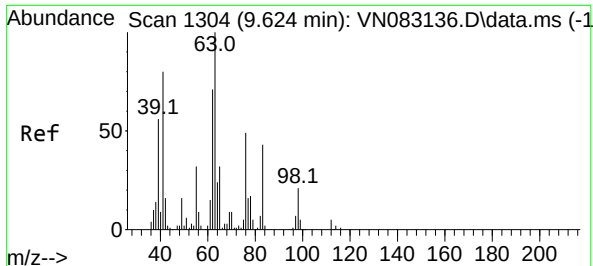
Ion Ratio Lower Upper

43 100

61 8.7 17.8 26.6#

87 5.3 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.798 ug/l

RT: 9.753 min Scan# 1326

Delta R.T. 0.129 min

Lab File: VN083361.D

Acq: 16 Aug 2024 18:05

Instrument :

MSVOA_N

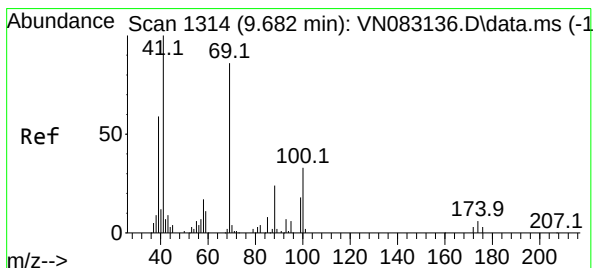
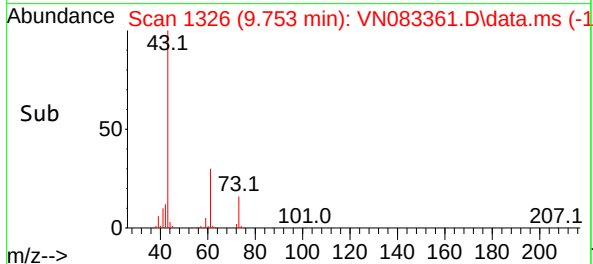
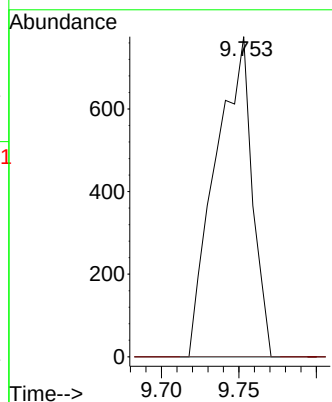
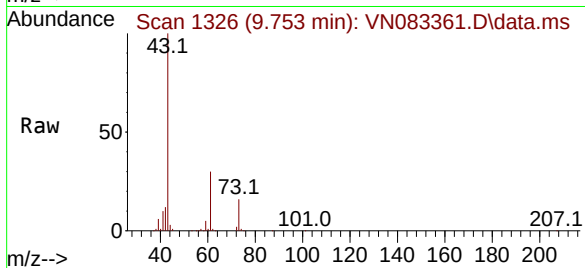
ClientSampleId :

Tgt Ion: 63 Resp: 1272

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.766 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN083361.D

Acq: 16 Aug 2024 18:05

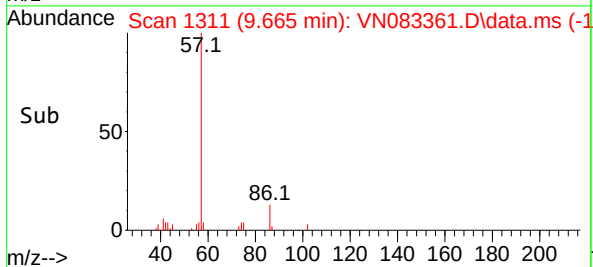
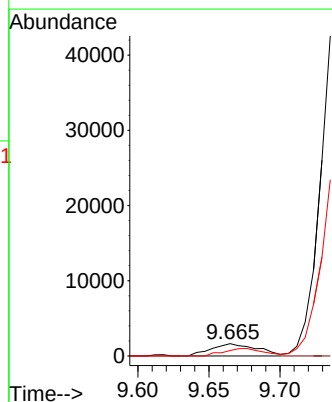
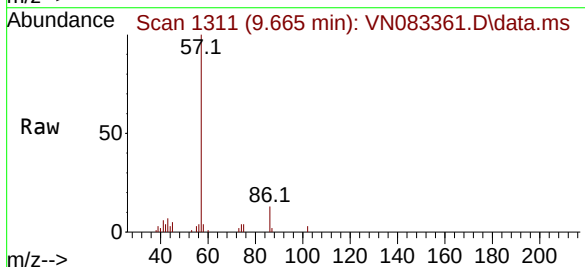
Tgt Ion: 41 Resp: 3683

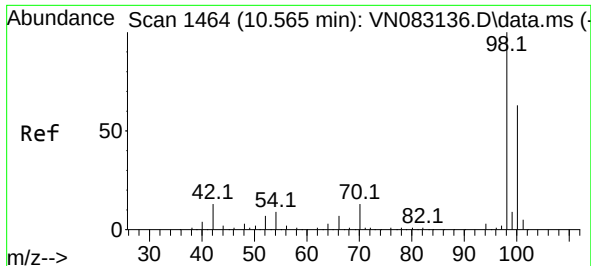
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 51.6 50.3 75.5

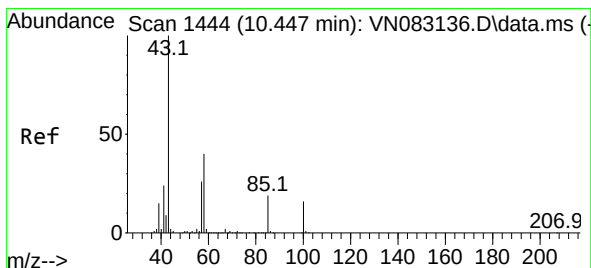
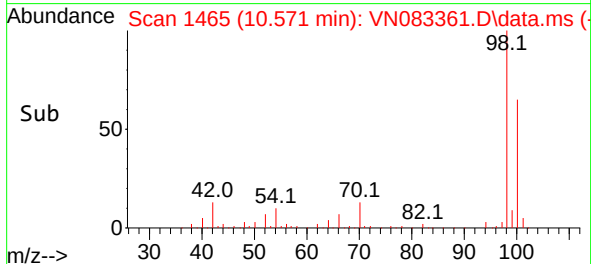
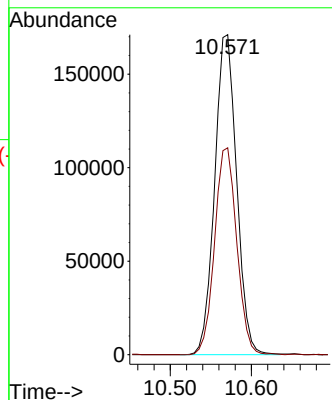
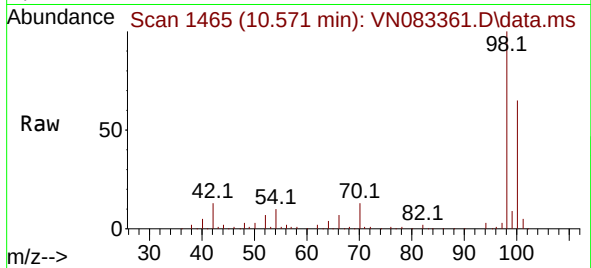




#50
Toluene-d8
Concen: 57.943 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN083361.D
Acq: 16 Aug 2024 18:05

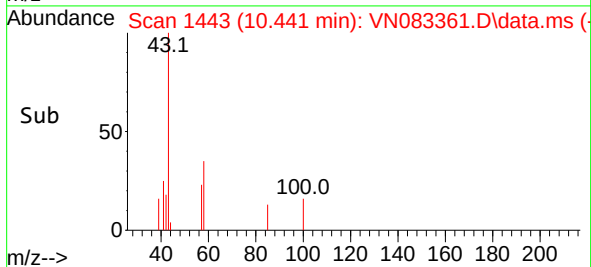
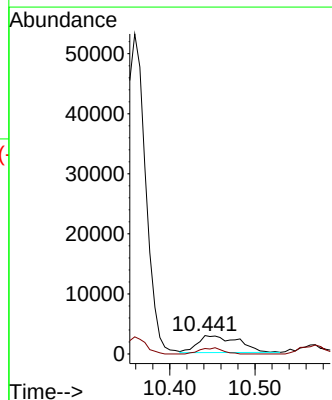
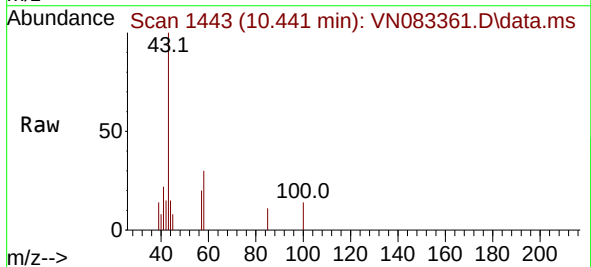
Instrument :
MSVOA_N
ClientSampleId :

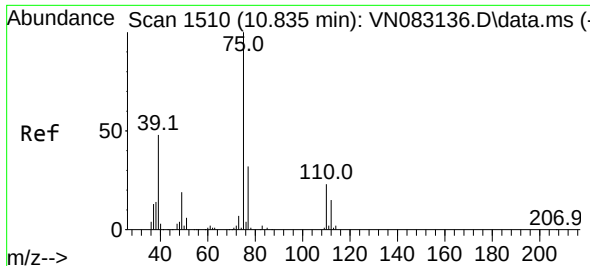
Tgt Ion: 98 Resp: 321895
Ion Ratio Lower Upper
98 100
100 65.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 3.957 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN083361.D
Acq: 16 Aug 2024 18:05

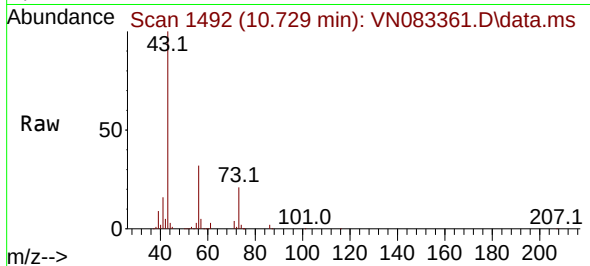
Tgt Ion: 43 Resp: 9438
Ion Ratio Lower Upper
43 100
58 20.3 28.2 42.4#



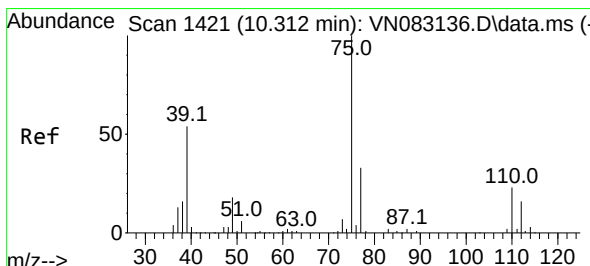
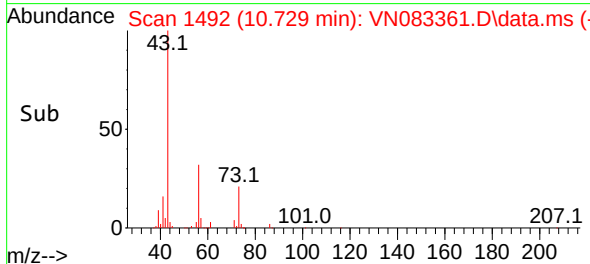
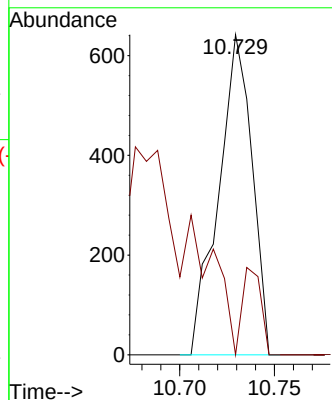


#53
 t-1,3-Dichloropropene
 Concen: 0.300 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN083361.D
 Acq: 16 Aug 2024 18:05

Instrument :
 MSVOA_N
 ClientSampleId :

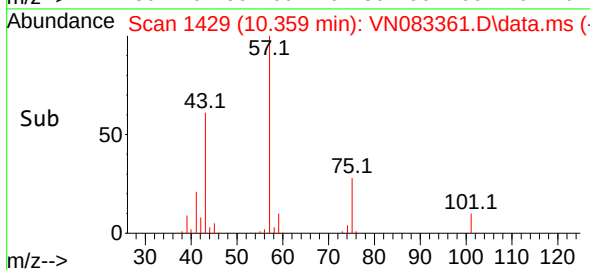
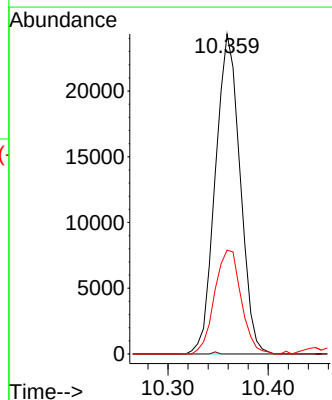
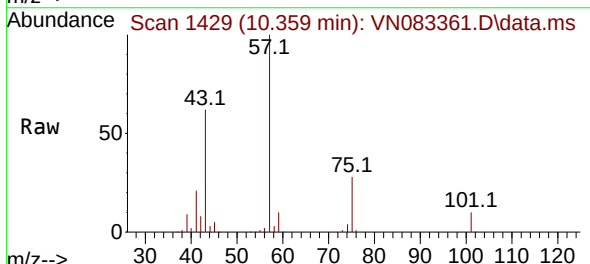


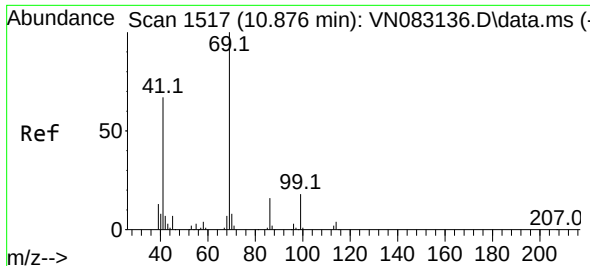
Tgt Ion: 75 Resp: 790
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 14.851 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083361.D
 Acq: 16 Aug 2024 18:05

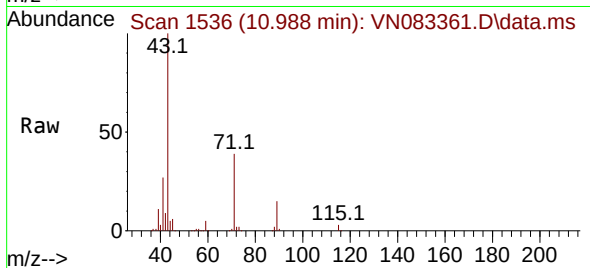
Tgt Ion: 75 Resp: 41544
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 32.4 50.5 75.7#



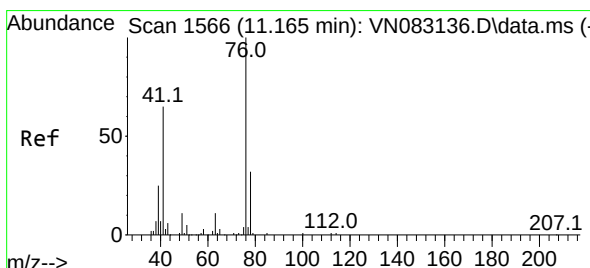
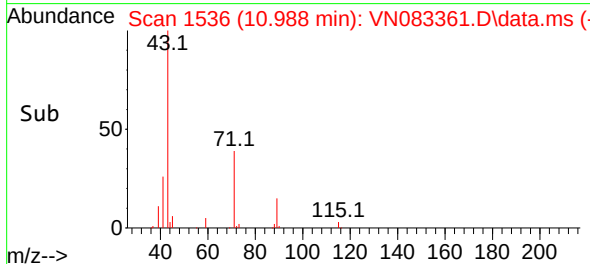
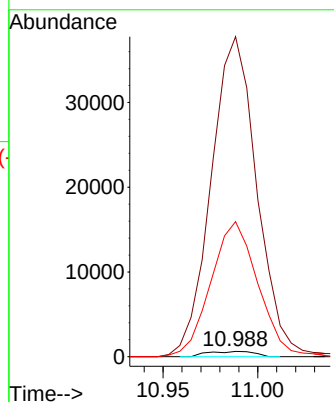


#56
Ethyl methacrylate
Concen: 0.371 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN083361.D
Acq: 16 Aug 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :

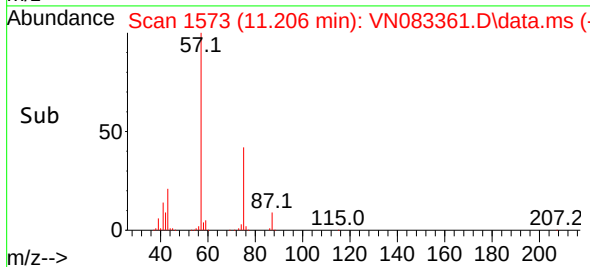
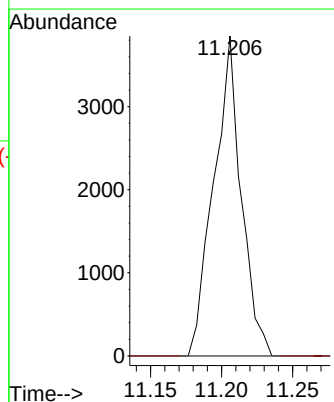
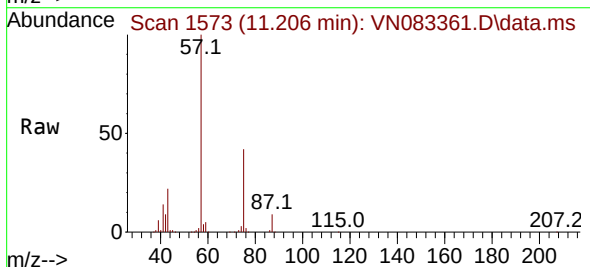


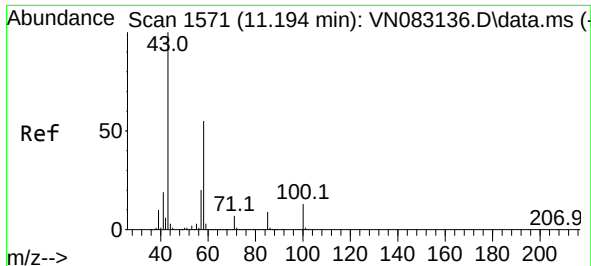
Tgt Ion: 69 Resp: 1063
Ion Ratio Lower Upper
69 100
41 6014.1 63.4 95.2#
39 2600.3 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.908 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN083361.D
Acq: 16 Aug 2024 18:05

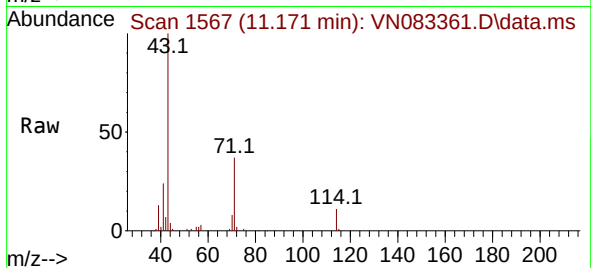
Tgt Ion: 76 Resp: 5167
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



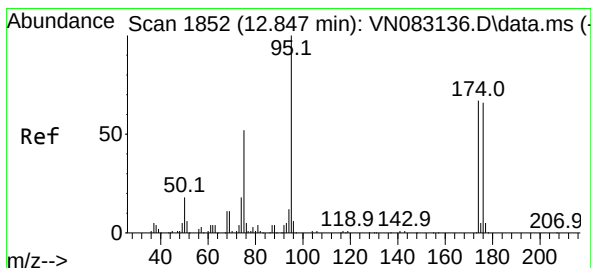
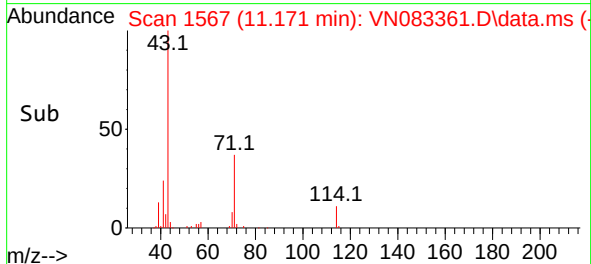
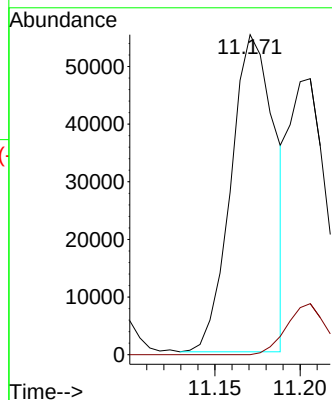


#59
2-Hexanone
Concen: 53.431 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN083361.D
Acq: 16 Aug 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :

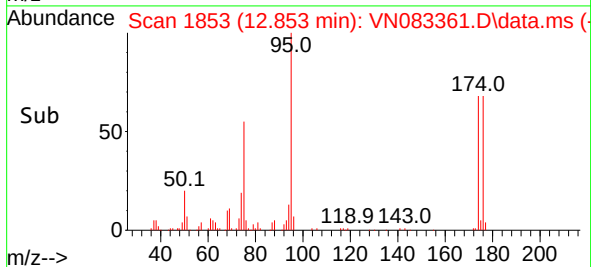
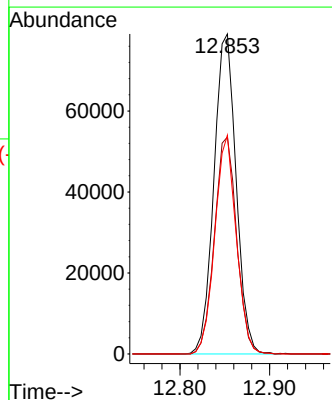
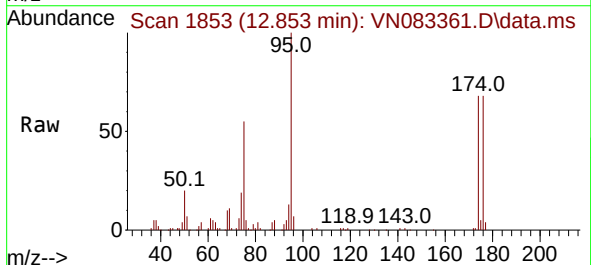


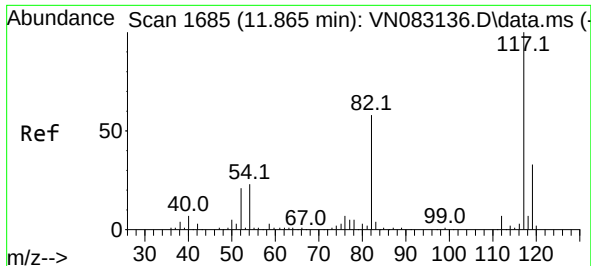
Tgt Ion: 43 Resp: 98602
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 62.603 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083361.D
Acq: 16 Aug 2024 18:05

Tgt Ion: 95 Resp: 135587
Ion Ratio Lower Upper
95 100
174 68.0 0.0 159.2
176 66.0 0.0 147.6

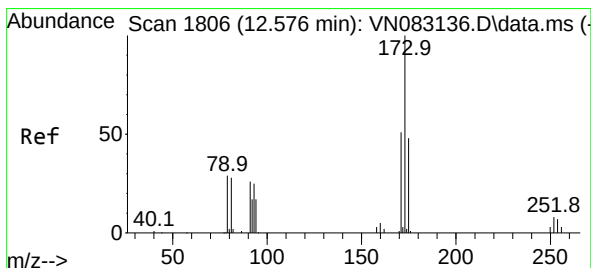
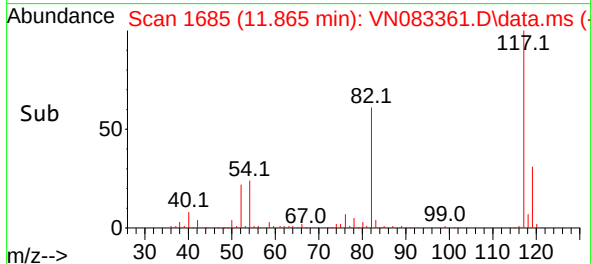
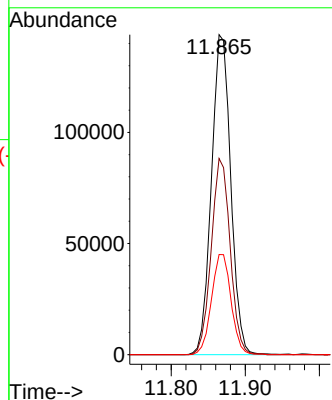
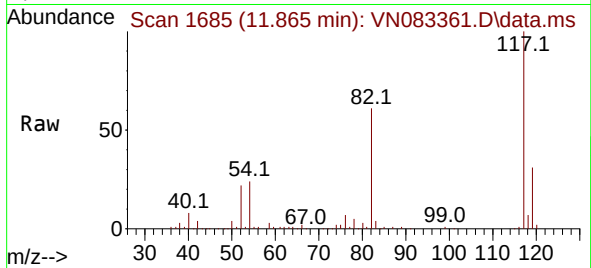




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN083361.D
Acq: 16 Aug 2024 18:05

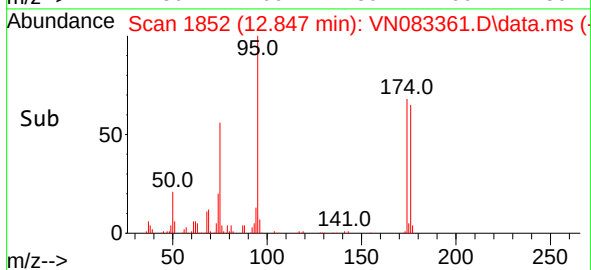
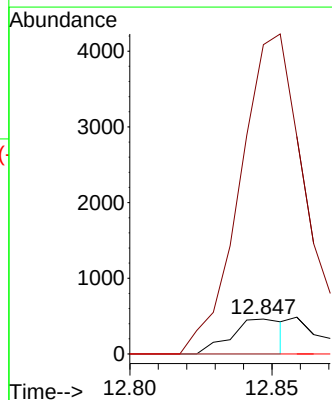
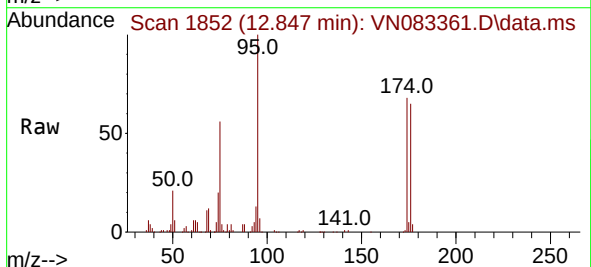
Instrument :
MSVOA_N
ClientSampleId :

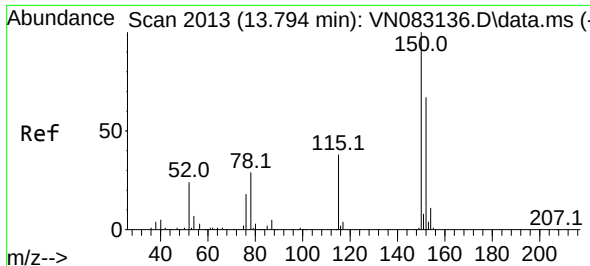
Tgt Ion:117 Resp: 260563
Ion Ratio Lower Upper
117 100
82 61.3 47.5 71.3
119 31.3 25.6 38.4



#71
Bromoform
Concen: 0.385 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083361.D
Acq: 16 Aug 2024 18:05

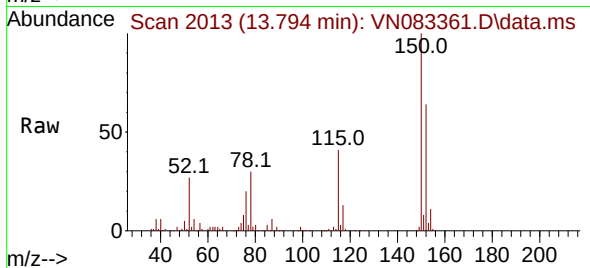
Tgt Ion:173 Resp: 592
Ion Ratio Lower Upper
173 100
175 0.0 24.0 72.0#
254 0.0 0.0 0.0



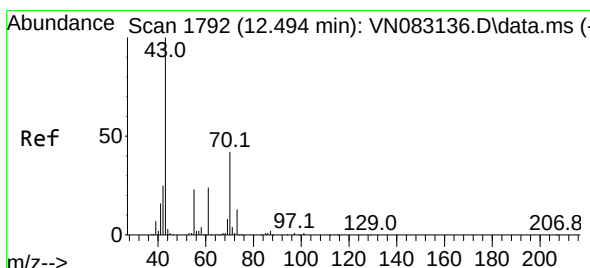
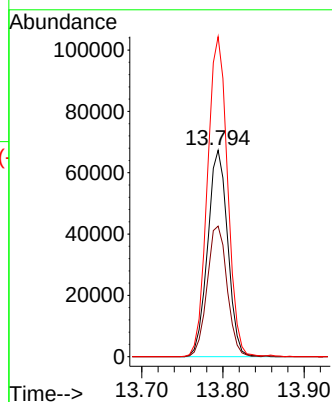
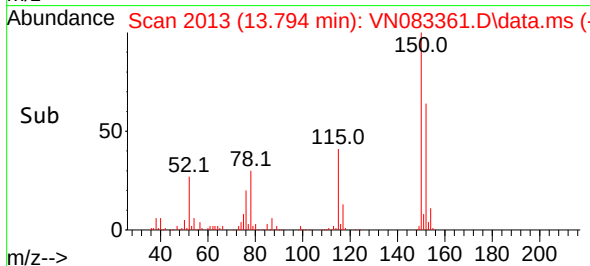


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN083361.D
Acq: 16 Aug 2024 18:05

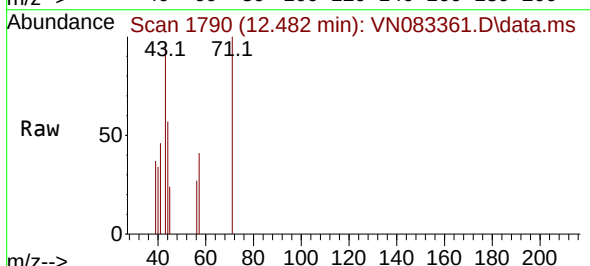
Instrument :
MSVOA_N
ClientSampleId :



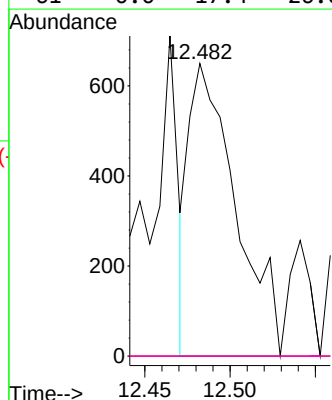
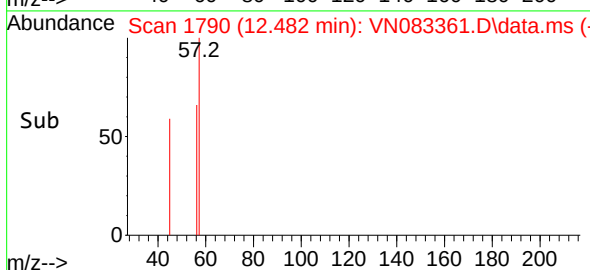
Tgt Ion:152 Resp: 115044
Ion Ratio Lower Upper
152 100
115 63.3 30.6 91.6
150 155.8 0.0 348.6

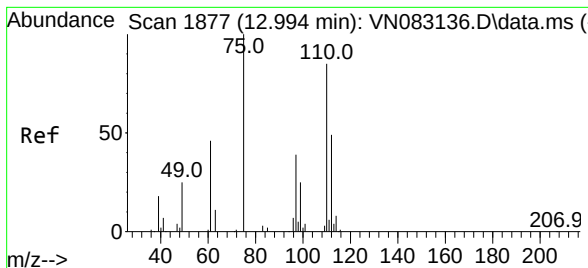


#74
N-ethyl acetate
Concen: 0.265 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN083361.D
Acq: 16 Aug 2024 18:05



Tgt Ion: 43 Resp: 1248
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 0.0 18.7 28.1#
61 0.0 17.4 26.0#





#76

1,2,3-Trichloropropane

Concen: 29.535 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN083361.D

Acq: 16 Aug 2024 18:05

Instrument :

MSVOA_N

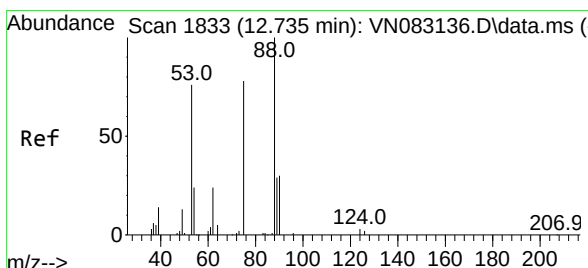
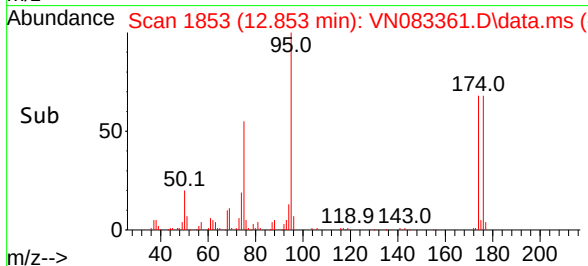
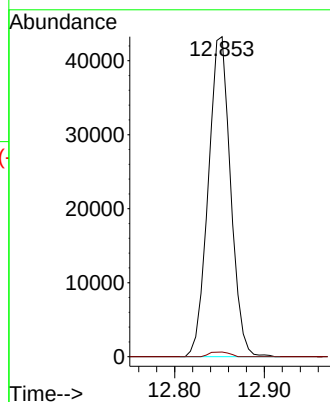
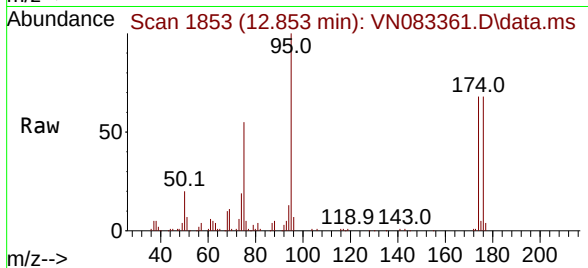
ClientSampleId :

Tgt Ion: 75 Resp: 74573

Ion Ratio Lower Upper

75 100

77 1.3 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.245 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN083361.D

Acq: 16 Aug 2024 18:05

Tgt Ion: 75 Resp: 74573

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#

