

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
 Data File : VN083516.D
 Acq On : 27 Aug 2024 17:55
 Operator : JC\MD
 Sample : P3735-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 28 01:50:28 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)

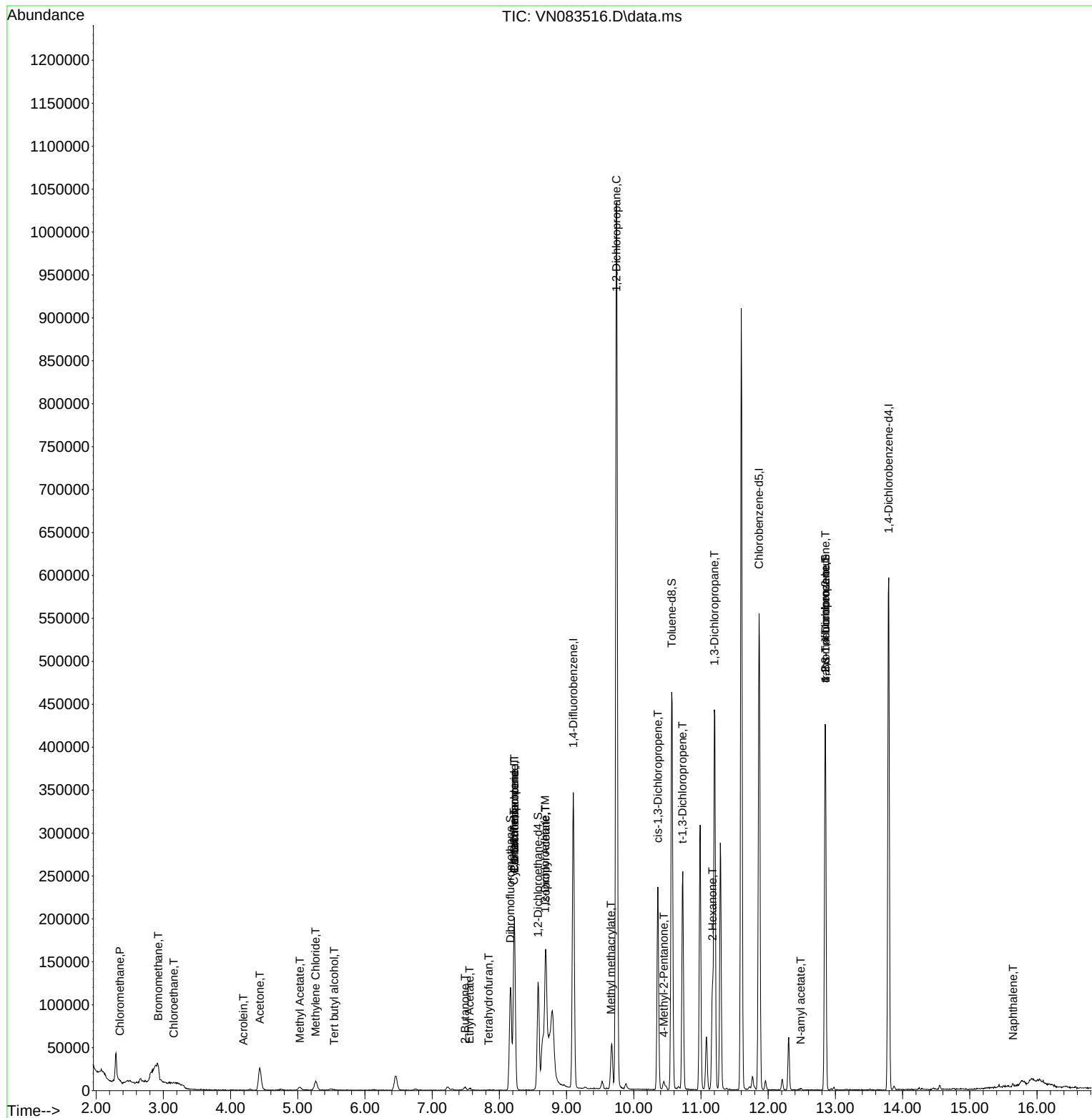
Internal Standards						
1) Pentafluorobenzene	8.224	168	137284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	277405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	307433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	153648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	106927	54.720	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 109.440%		
35) Dibromofluoromethane	8.165	113	85806	49.556	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 99.120%		
50) Toluene-d8	10.565	98	314659	48.717	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 97.440%		
62) 4-Bromofluorobenzene	12.853	95	155320	61.682	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 123.360%#		
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	582	0.365	ug/l #	43
5) Bromomethane	2.924	94	275	0.273	ug/l #	1
6) Chloroethane	3.153	64	629	0.618	ug/l #	41
11) Tert butyl alcohol	5.541	59	444	1.093	ug/l #	71
13) Acrolein	4.189	56	129	0.487	ug/l #	75
16) Acetone	4.436	43	46799	61.205	ug/l	97
18) Methyl Acetate	5.030	43	7717	3.387	ug/l #	73
20) Methylene Chloride	5.265	84	8000	4.546	ug/l #	86
25) 2-Butanone	7.488	43	6040	5.145	ug/l	97
29) Tetrahydrofuran	7.841	42	195	0.257	ug/l #	38
31) Cyclohexane	8.218	56	3596	1.242	ug/l #	19
36) 1,1-Dichloropropene	8.224	75	12118	4.626	ug/l #	46
37) Ethyl Acetate	7.559	43	3510	1.197	ug/l #	86
38) Carbon Tetrachloride	8.224	117	15259	5.172	ug/l #	16
42) 1,2-Dichloroethane	8.682	62	1084	0.381	ug/l #	78
43) Isopropyl Acetate	8.688	43	267952	52.881	ug/l #	79
45) 1,2-Dichloropropane	9.741	63	1166	0.630	ug/l #	44
48) Methyl methacrylate	9.659	41	3656	1.508	ug/l #	51
51) 4-Methyl-2-Pentanone	10.447	43	5742	2.070	ug/l	93
53) t-1,3-Dichloropropene	10.723	75	796	0.260	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	41002	12.607	ug/l #	57
57) 1,3-Dichloropropane	11.200	76	4649	1.476	ug/l #	43
59) 2-Hexanone	11.171	43	101459	47.289	ug/l #	28
74) N-amyl acetate	12.482	43	2182	0.347	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	84195	24.967	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	84195	54.310	ug/l #	6
95) Naphthalene	15.647	128	2850	0.276	ug/l #	94

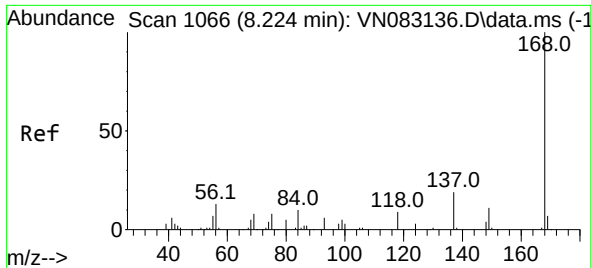
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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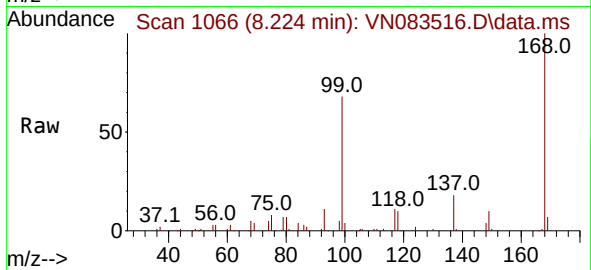
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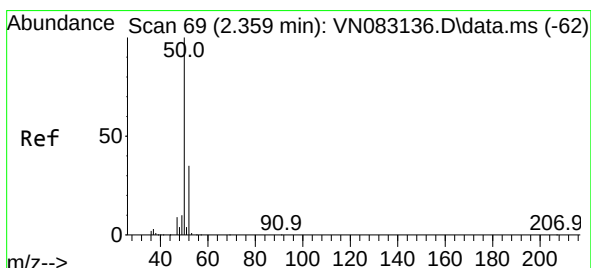
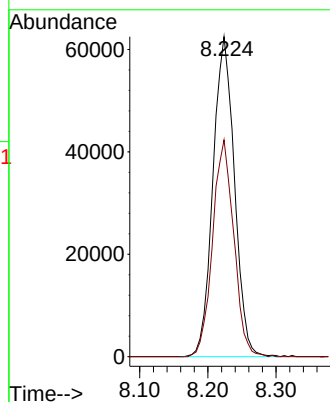
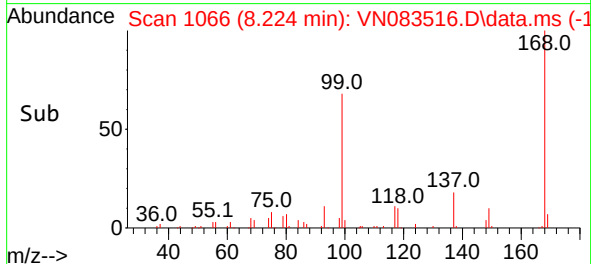


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

Instrument :
MSVOA_N
ClientSampleId :

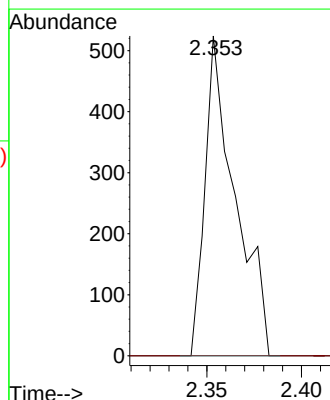
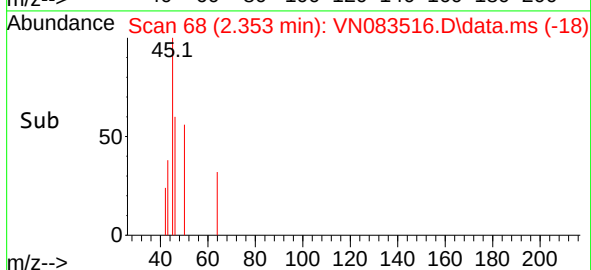
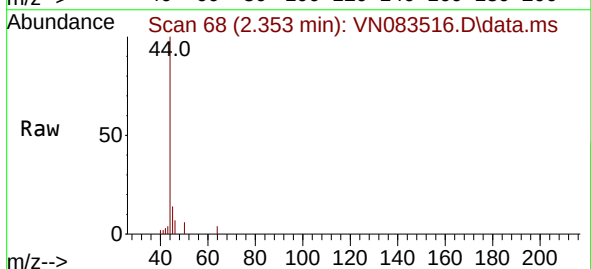


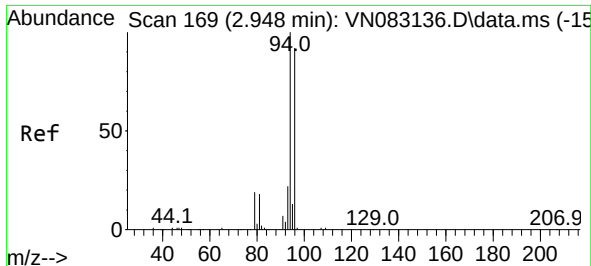
Tgt Ion:168 Resp: 137284
Ion Ratio Lower Upper
168 100
99 67.8 48.2 72.4



#3
Chloromethane
Concen: 0.365 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

Tgt Ion: 50 Resp: 582
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

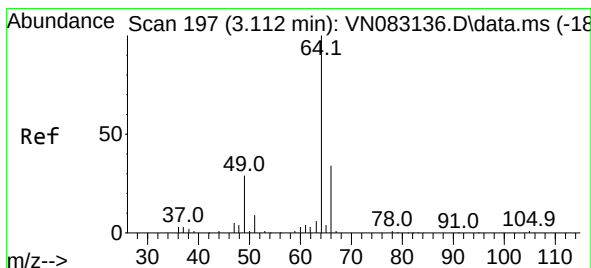
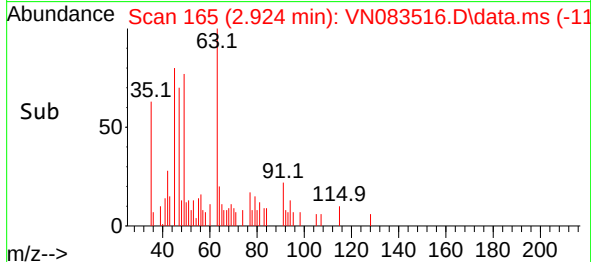
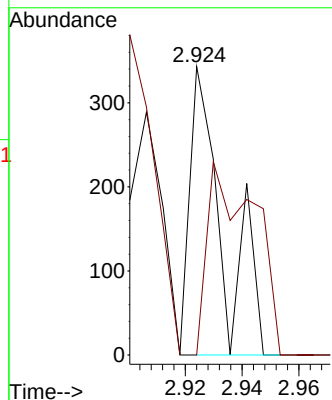
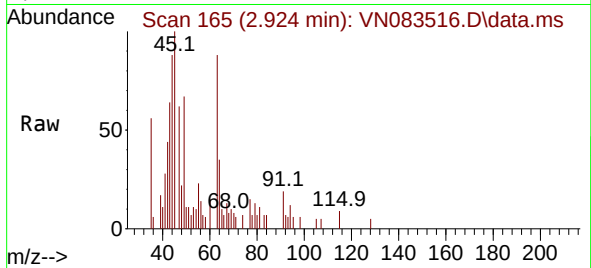




#5
Bromomethane
Concen: 0.273 ug/l
RT: 2.924 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

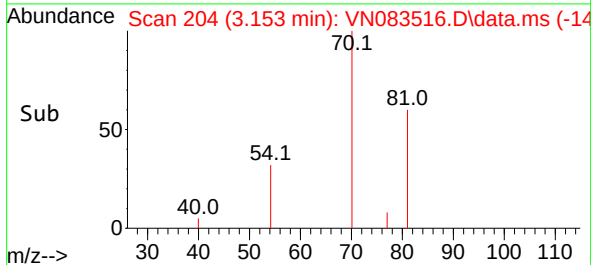
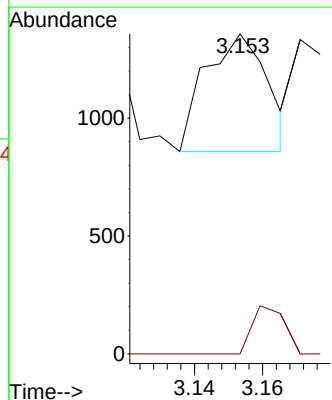
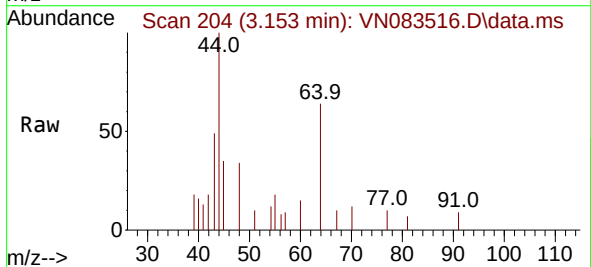
Instrument :
MSVOA_N
ClientSampleId :

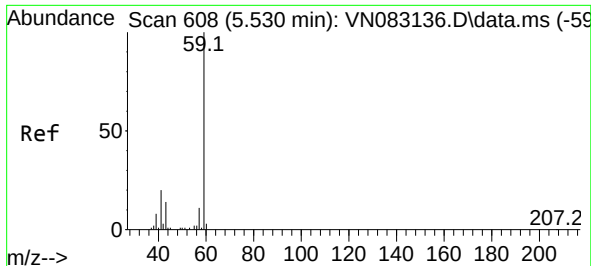
Tgt Ion: 94 Resp: 275
Ion Ratio Lower Upper
94 100
96 0.0 78.0 117.0#



#6
Chloroethane
Concen: 0.618 ug/l
RT: 3.153 min Scan# 204
Delta R.T. 0.041 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

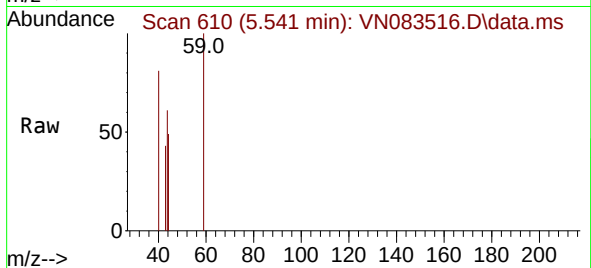
Tgt Ion: 64 Resp: 629
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



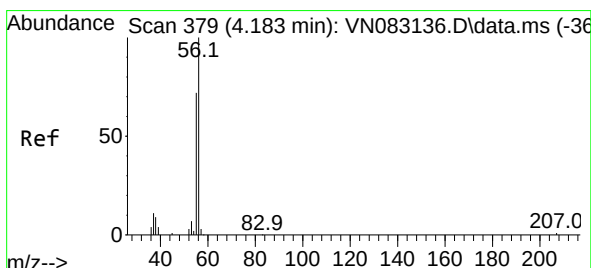
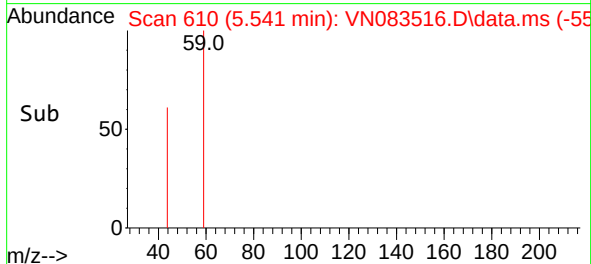
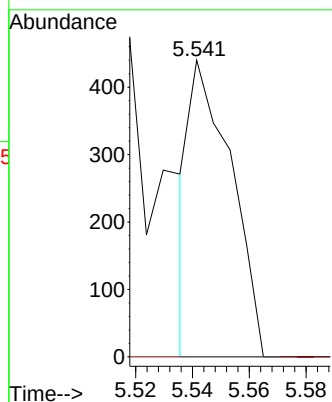


#11
Tert butyl alcohol
Concen: 1.093 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

Instrument :
MSVOA_N
ClientSampleId :

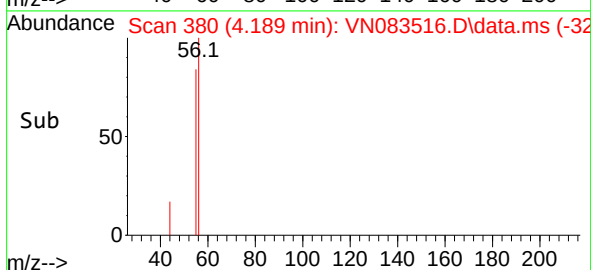
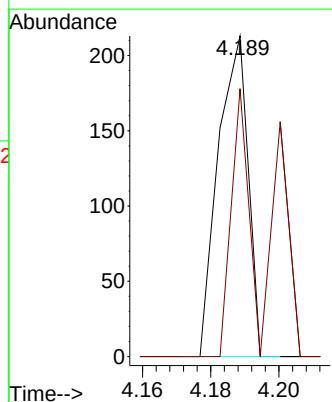
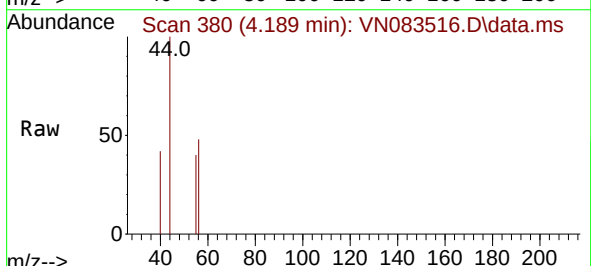


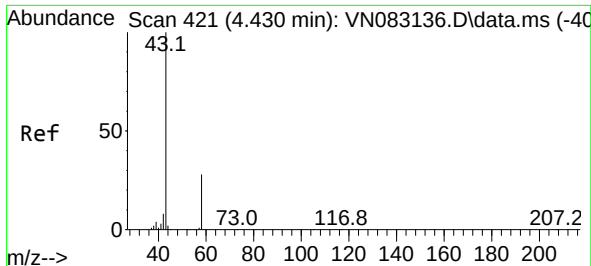
Tgt Ion: 59 Resp: 444
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#13
Acrolein
Concen: 0.487 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.006 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

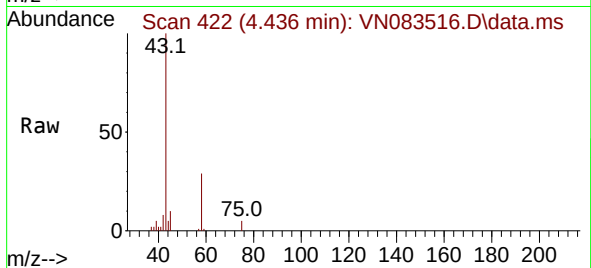
Tgt Ion: 56 Resp: 129
Ion Ratio Lower Upper
56 100
55 91.5 56.4 84.6#



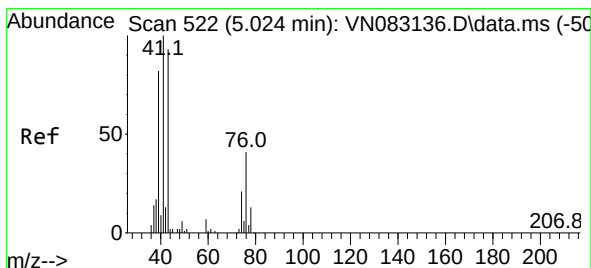
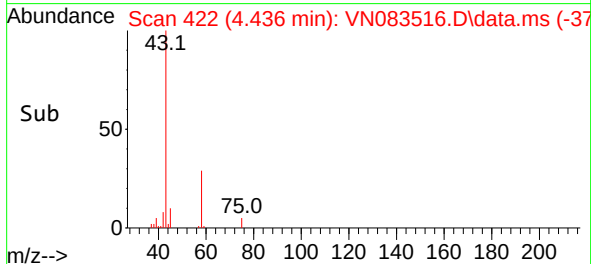
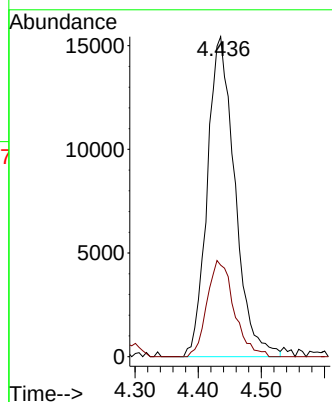


#16
Acetone
Concen: 61.205 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

Instrument :
MSVOA_N
ClientSampleId :

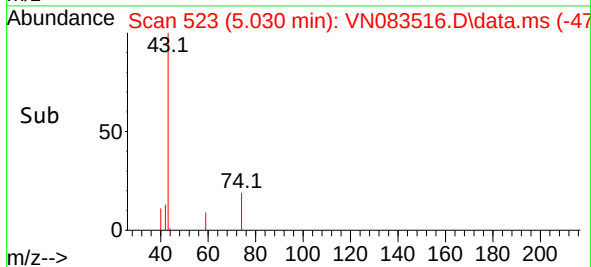
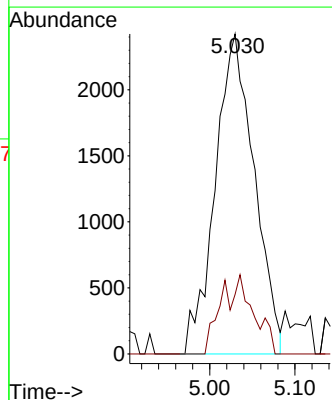
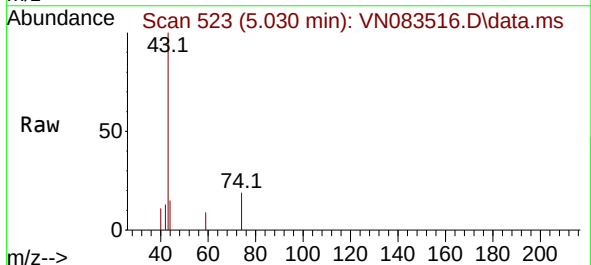


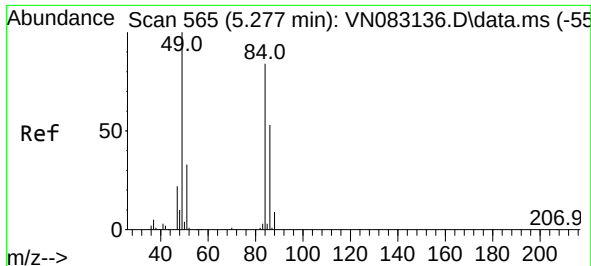
Tgt Ion: 43 Resp: 46799
Ion Ratio Lower Upper
43 100
58 28.6 21.8 32.6



#18
Methyl Acetate
Concen: 3.387 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

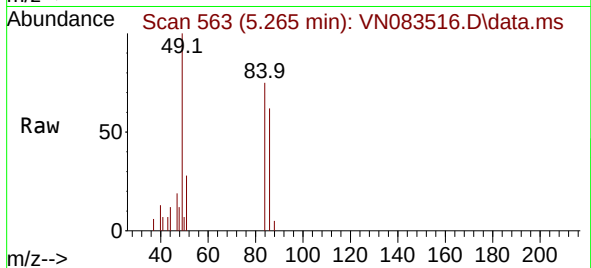
Tgt Ion: 43 Resp: 7717
Ion Ratio Lower Upper
43 100
74 8.0 16.3 24.5#



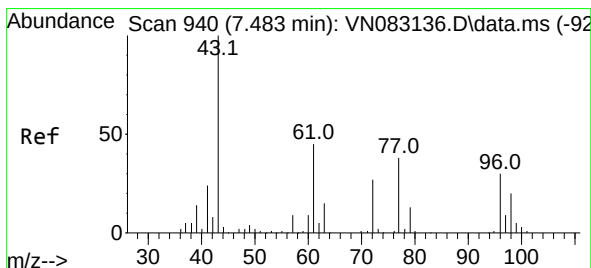
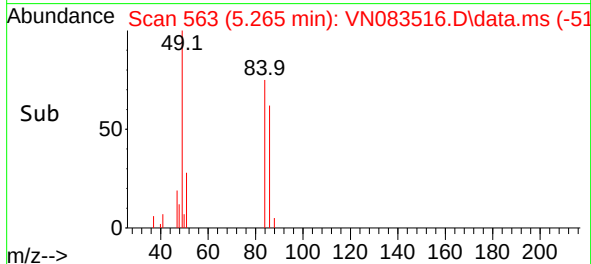
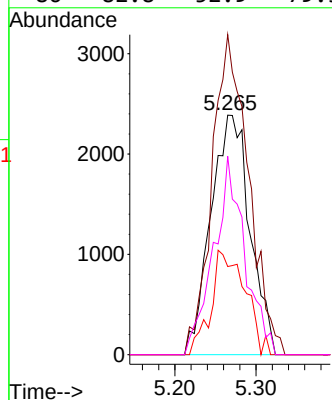


#20
Methylene Chloride
Concen: 4.546 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

Instrument :
MSVOA_N
ClientSampleId :

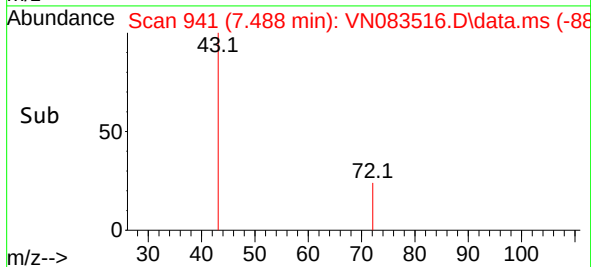
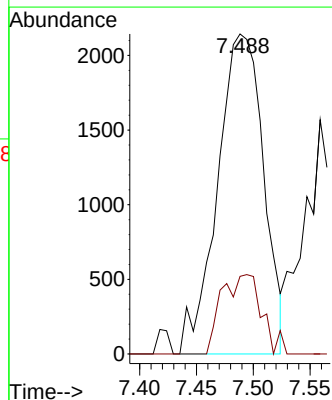
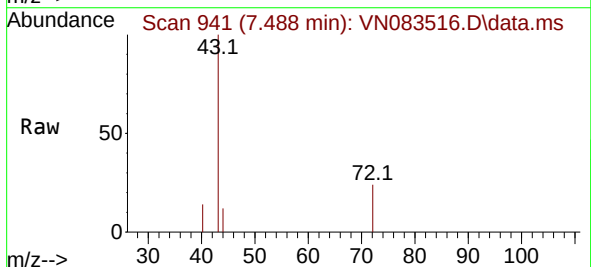


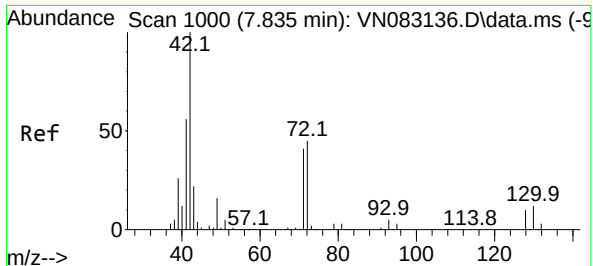
Tgt Ion:	84	Resp:	8000
Ion	Ratio	Lower	Upper
84	100		
49	133.6	119.6	179.4
51	36.8	34.8	52.2
86	82.8	52.9	79.3



#25
2-Butanone
Concen: 5.145 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

Tgt Ion:	43	Resp:	6040
Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.2	27.2





#29

Tetrahydrofuran

Concen: 0.257 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

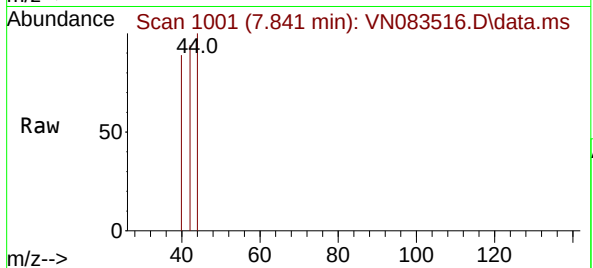
Lab File: VN083516.D

Acq: 27 Aug 2024 17:55

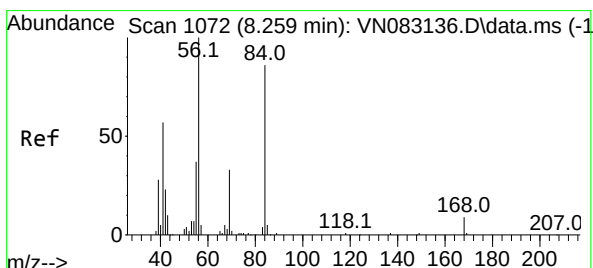
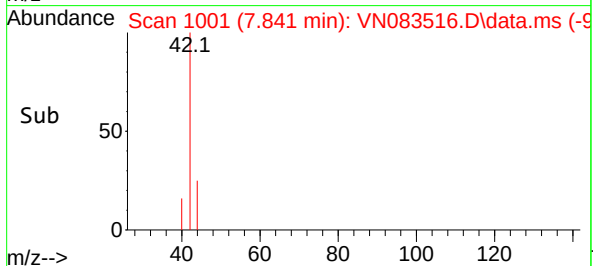
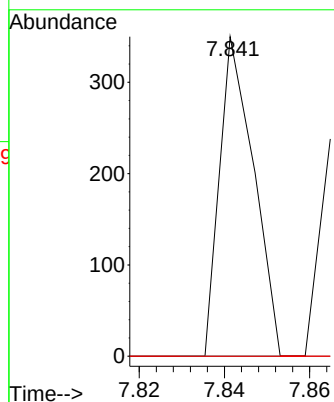
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	195
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.0	45.0#
71	0.0	28.3	42.5#



#31

Cyclohexane

Concen: 1.242 ug/l

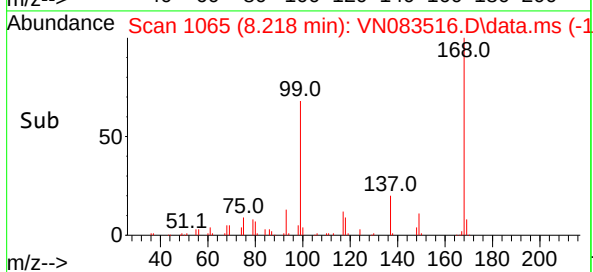
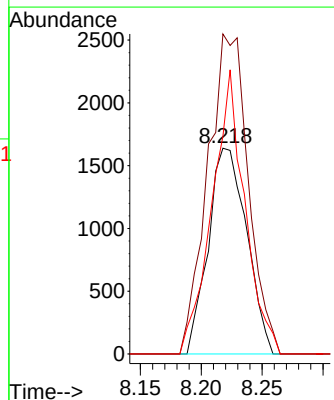
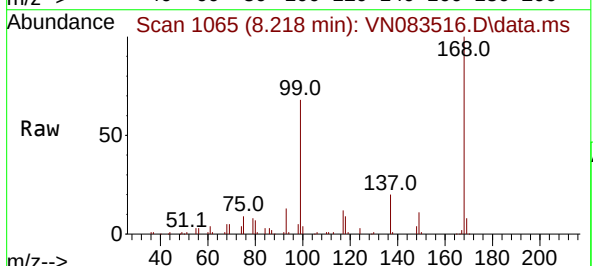
RT: 8.218 min Scan# 1065

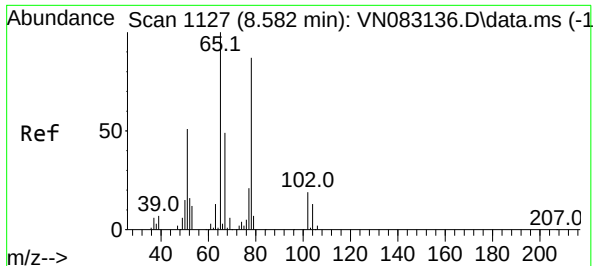
Delta R.T. -0.041 min

Lab File: VN083516.D

Acq: 27 Aug 2024 17:55

Tgt Ion:	56	Resp:	3596
Ion	Ratio	Lower	Upper
56	100		
69	155.5	24.5	36.7#
84	105.7	66.0	99.0#

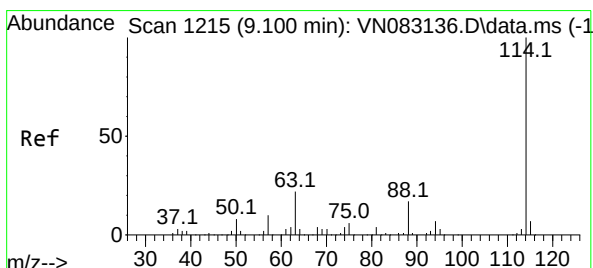
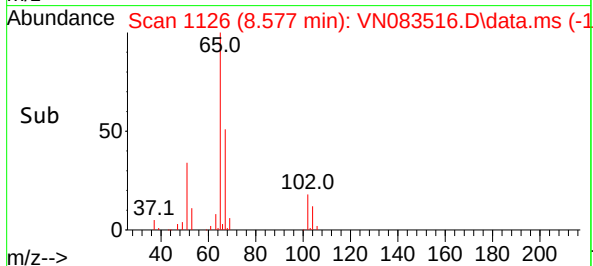
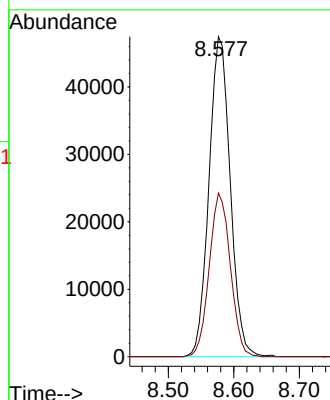
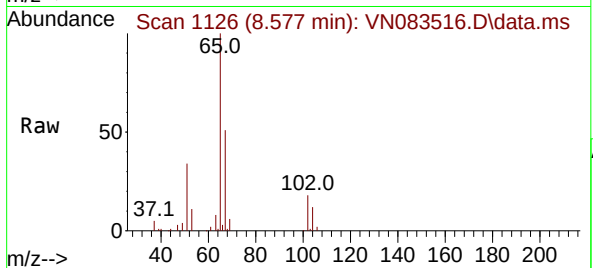




#33
 1,2-Dichloroethane-d4
 Concen: 54.720 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.005 min
 Lab File: VN083516.D
 Acq: 27 Aug 2024 17:55

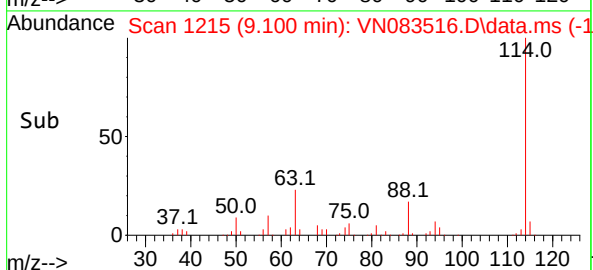
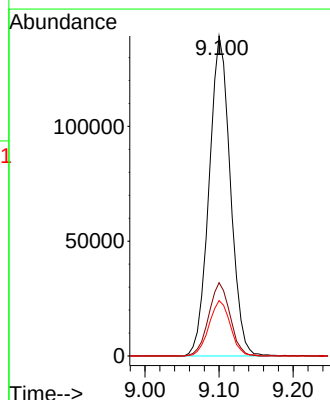
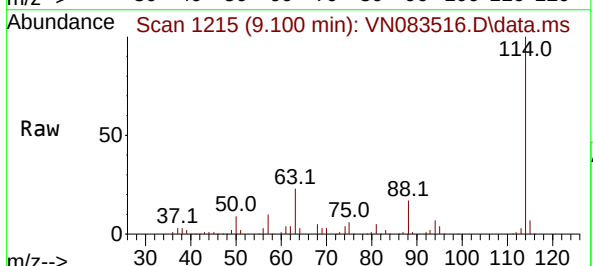
Instrument :
 MSVOA_N
 ClientSampleId :

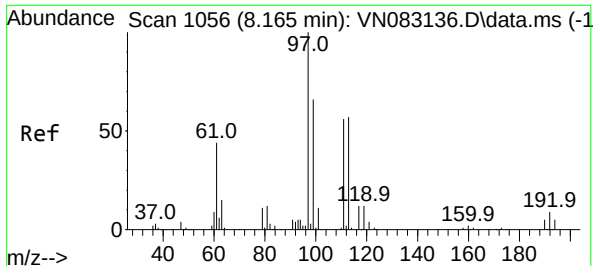
Tgt Ion: 65 Resp: 106927
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN083516.D
 Acq: 27 Aug 2024 17:55

Tgt Ion: 114 Resp: 277405
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 44.6
 88 17.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.556 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083516.D

Acq: 27 Aug 2024 17:55

Instrument :

MSVOA_N

ClientSampleId :

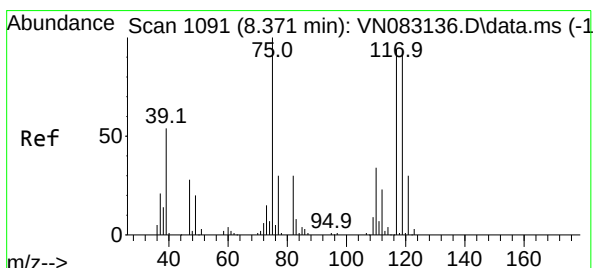
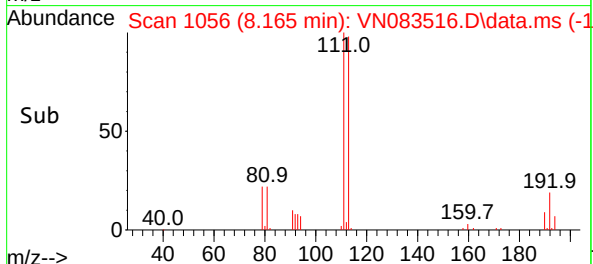
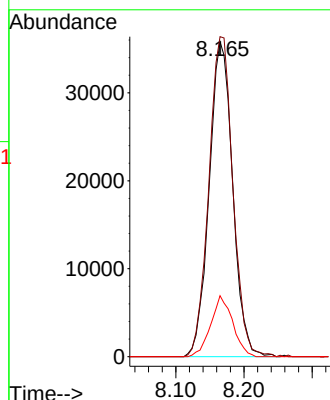
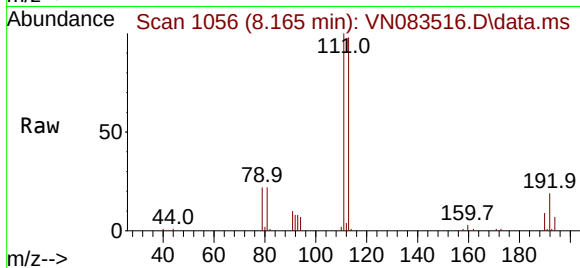
Tgt Ion:113 Resp: 85806

Ion Ratio Lower Upper

113 100

111 104.2 82.4 123.6

192 18.1 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.626 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083516.D

Acq: 27 Aug 2024 17:55

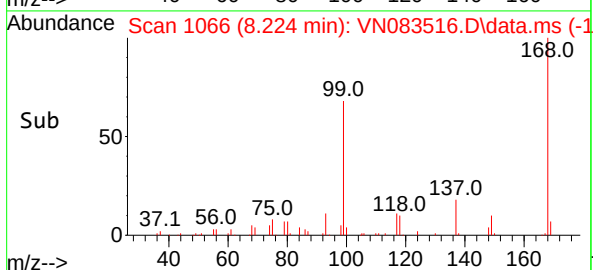
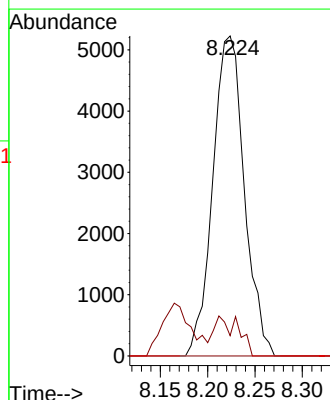
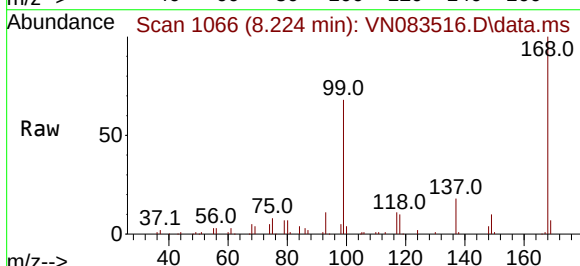
Tgt Ion: 75 Resp: 12118

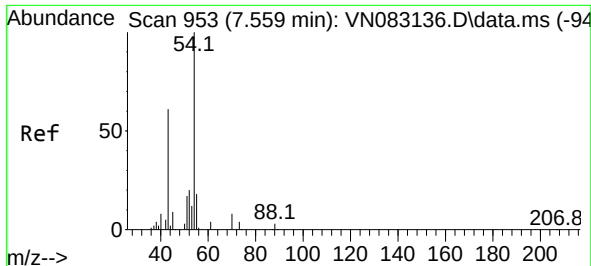
Ion Ratio Lower Upper

75 100

110 3.2 16.3 48.9#

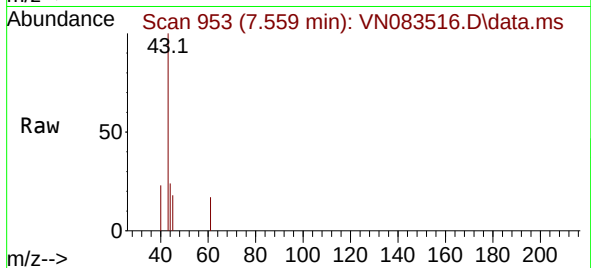
77 0.0 24.6 37.0#



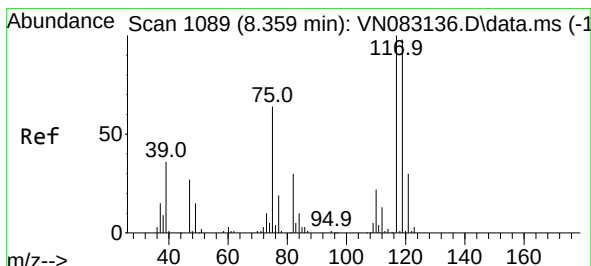
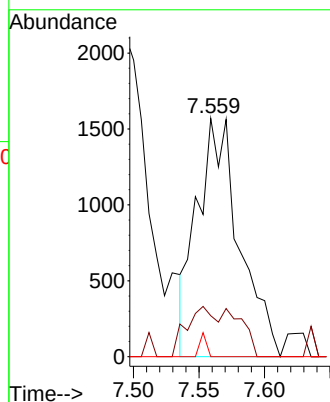
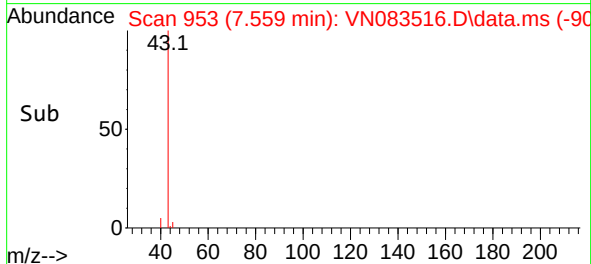


#37
Ethyl Acetate
Concen: 1.197 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

Instrument :
MSVOA_N
ClientSampleId :

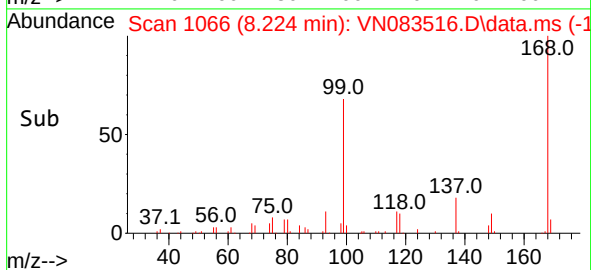
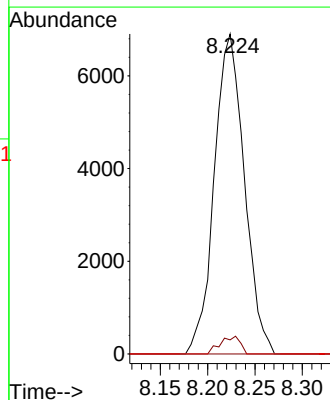
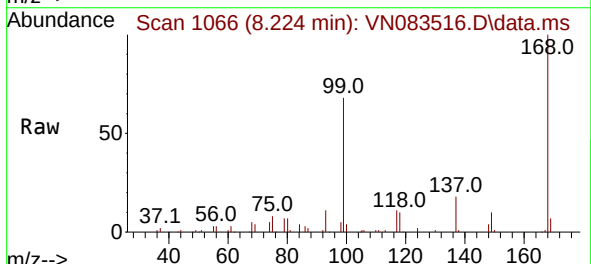


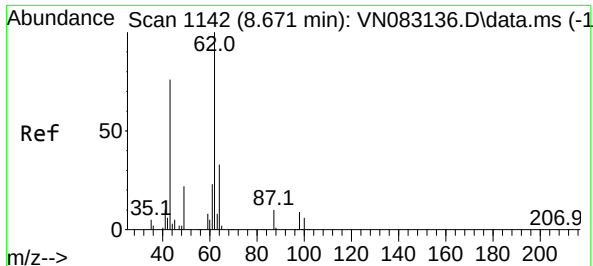
Tgt Ion: 43 Resp: 3510
Ion Ratio Lower Upper
43 100
61 15.1 9.3 13.9#
70 1.6 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 5.172 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

Tgt Ion: 117 Resp: 15259
Ion Ratio Lower Upper
117 100
119 4.4 74.9 112.3#
121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.381 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN083516.D

Acq: 27 Aug 2024 17:55

Instrument :

MSVOA_N

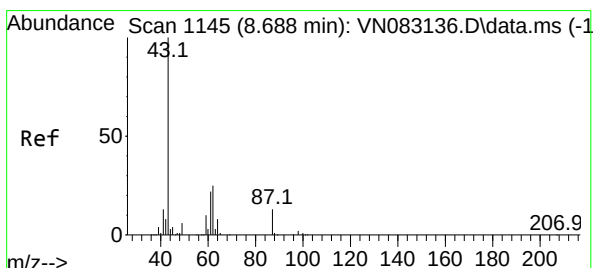
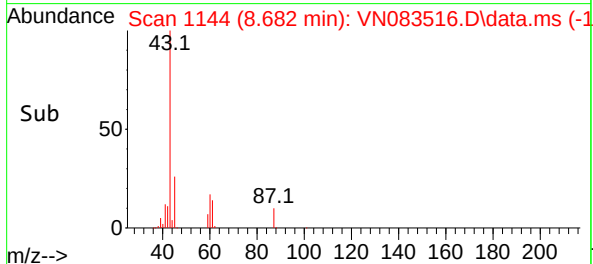
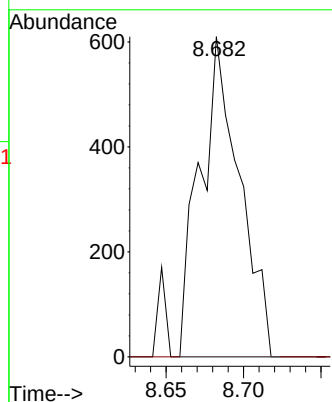
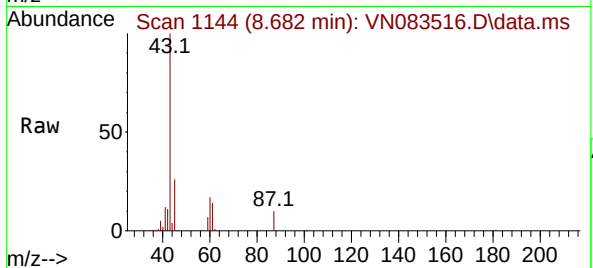
ClientSampleId :

Tgt Ion: 62 Resp: 1084

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 52.881 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083516.D

Acq: 27 Aug 2024 17:55

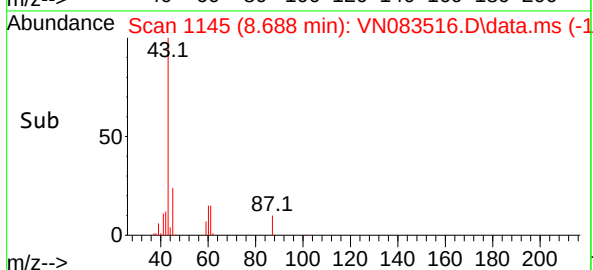
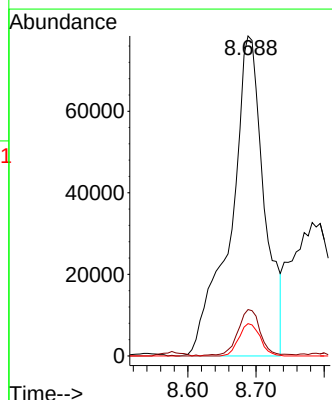
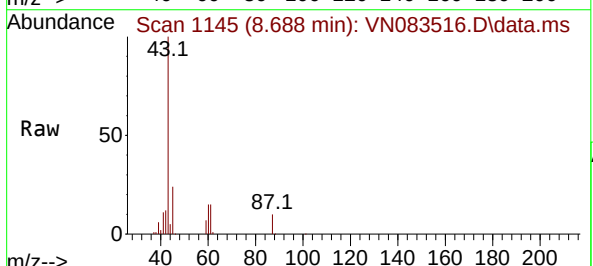
Tgt Ion: 43 Resp: 267952

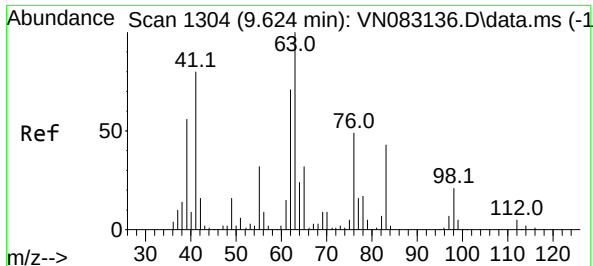
Ion Ratio Lower Upper

43 100

61 9.9 17.8 26.6#

87 6.4 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.630 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN083516.D

Acq: 27 Aug 2024 17:55

Instrument :

MSVOA_N

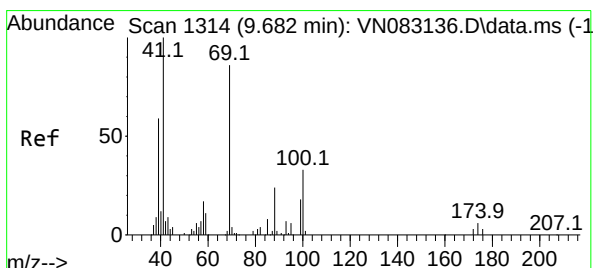
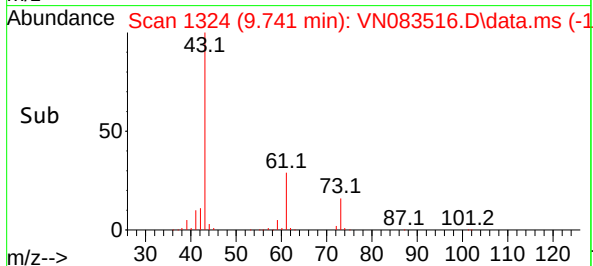
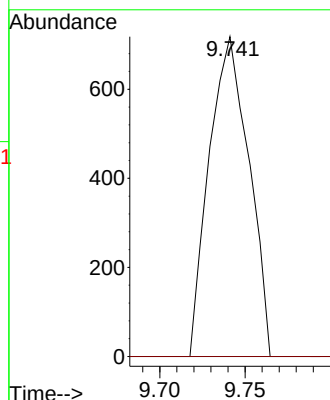
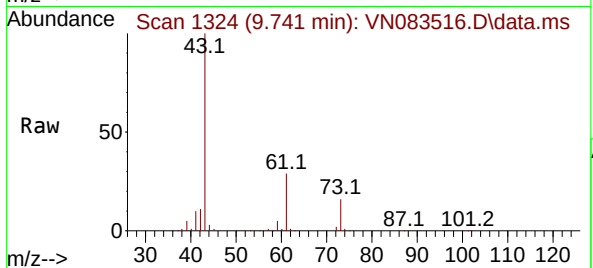
ClientSampleId :

Tgt Ion: 63 Resp: 1166

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.508 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.024 min

Lab File: VN083516.D

Acq: 27 Aug 2024 17:55

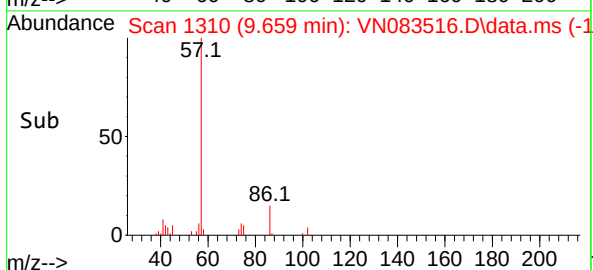
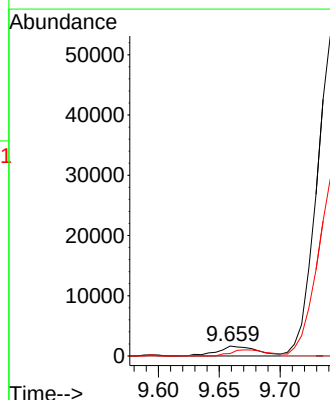
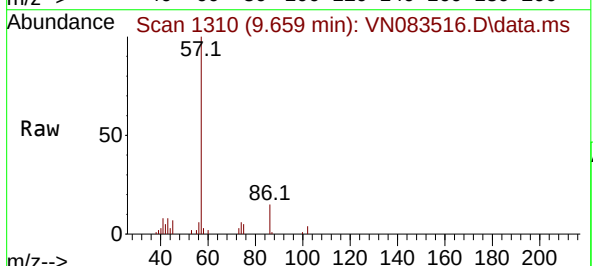
Tgt Ion: 41 Resp: 3656

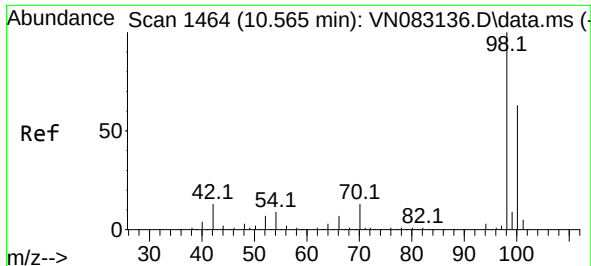
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 56.9 50.3 75.5

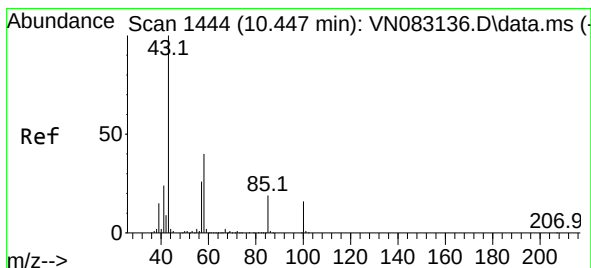
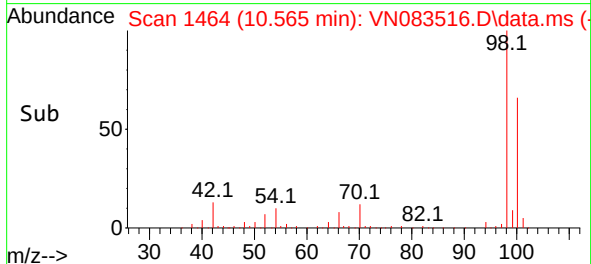
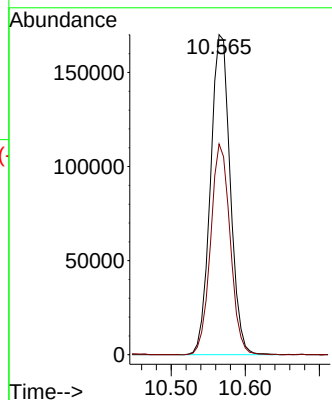
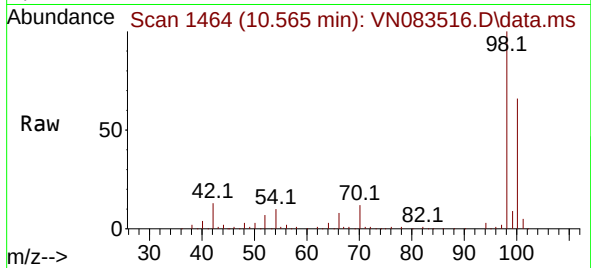




#50
Toluene-d8
Concen: 48.717 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

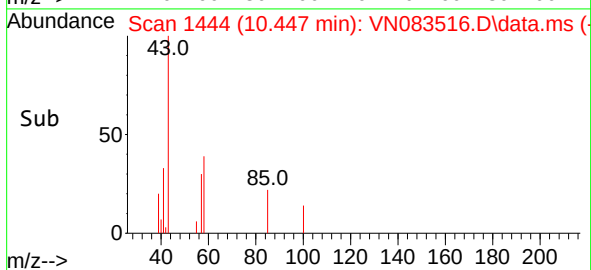
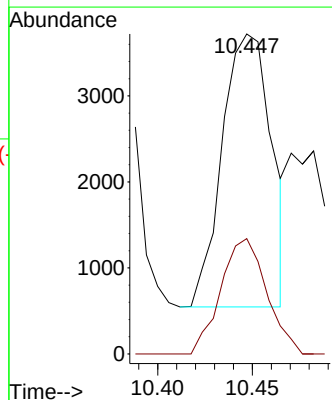
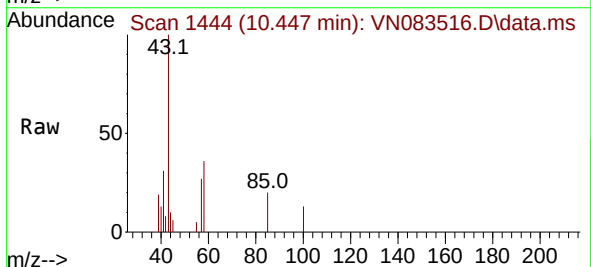
Instrument :
MSVOA_N
ClientSampleId :

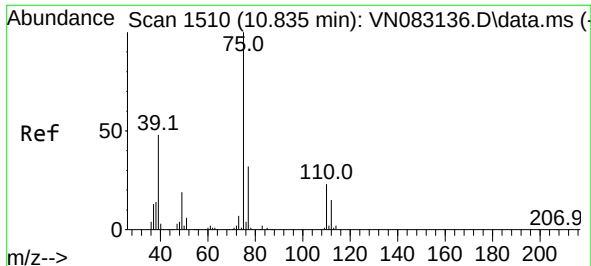
Tgt Ion: 98 Resp: 314659
Ion Ratio Lower Upper
98 100
100 65.2 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 2.070 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

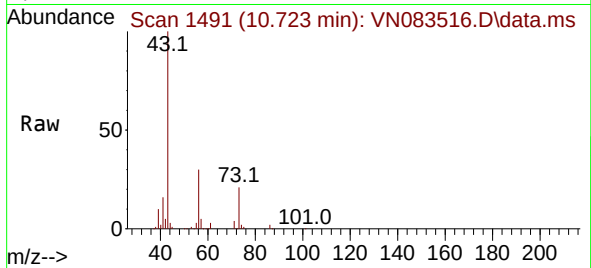
Tgt Ion: 43 Resp: 5742
Ion Ratio Lower Upper
43 100
58 39.3 28.2 42.4



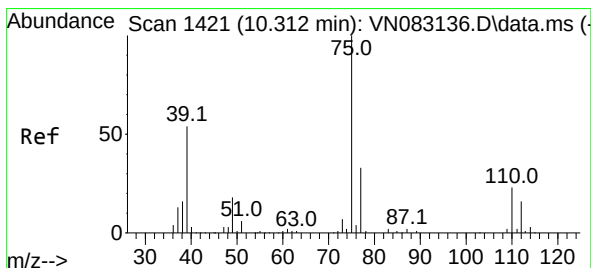
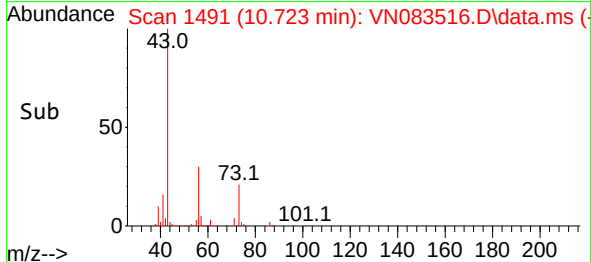
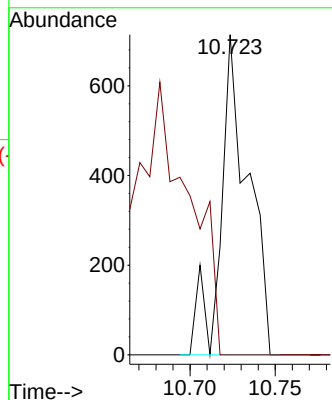


#53
t-1,3-Dichloropropene
Concen: 0.260 ug/l
RT: 10.723 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

Instrument :
MSVOA_N
ClientSampleId :

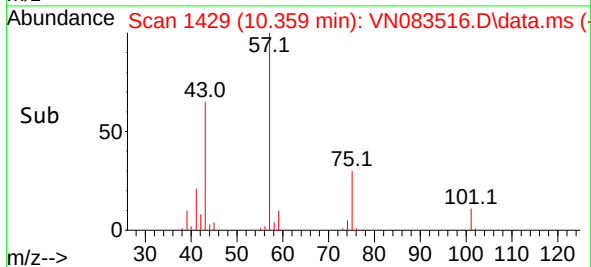
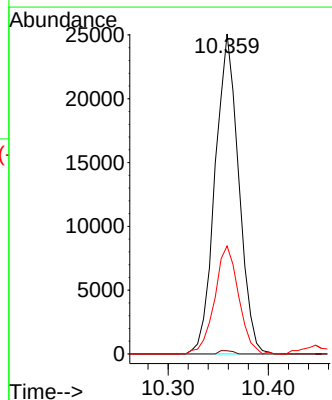
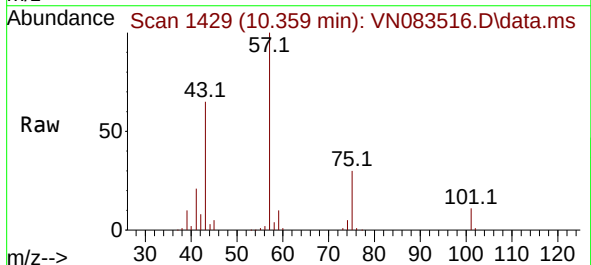


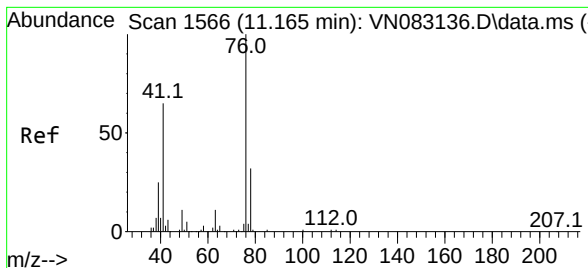
Tgt Ion: 75 Resp: 796
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 12.607 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

Tgt Ion: 75 Resp: 41002
Ion Ratio Lower Upper
75 100
77 1.0 24.3 36.5#
39 33.7 50.5 75.7#





#57

1,3-Dichloropropane

Concen: 1.476 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

Lab File: VN083516.D

Acq: 27 Aug 2024 17:55

Instrument :

MSVOA_N

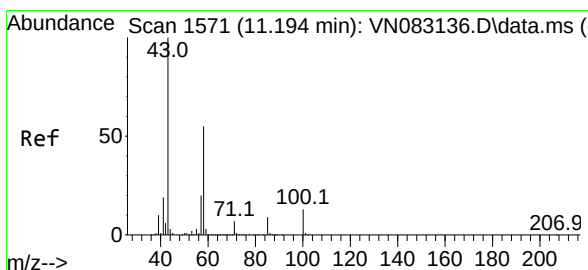
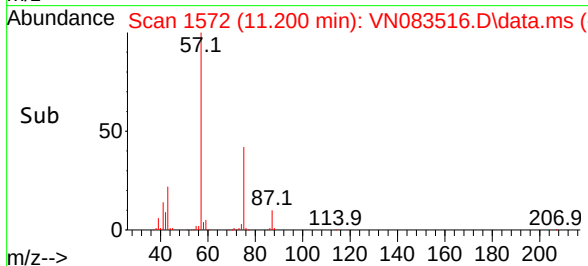
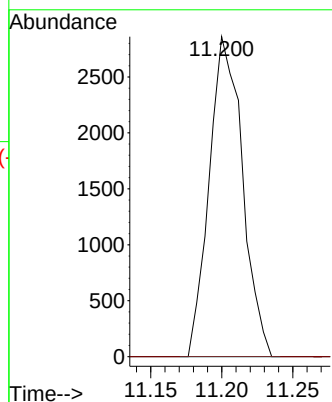
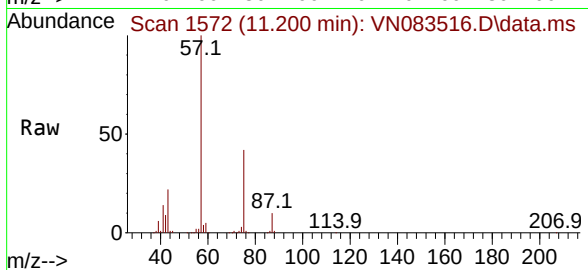
ClientSampleId :

Tgt Ion: 76 Resp: 4649

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 47.289 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN083516.D

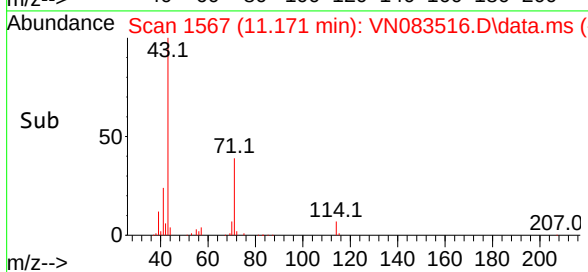
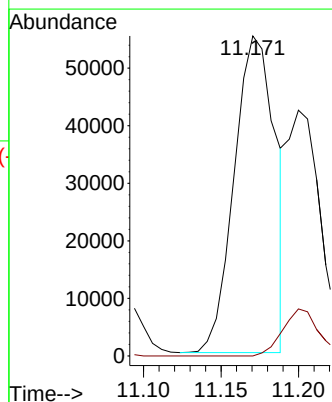
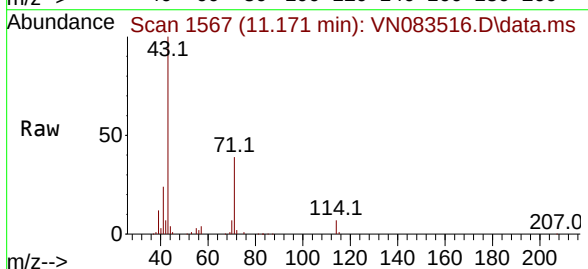
Acq: 27 Aug 2024 17:55

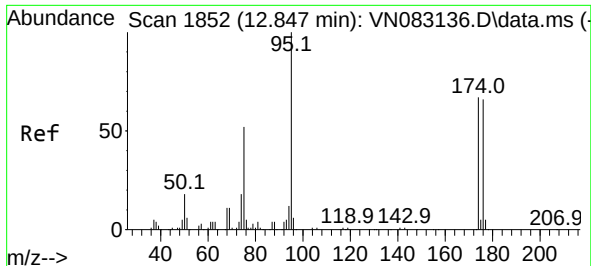
Tgt Ion: 43 Resp: 101459

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#

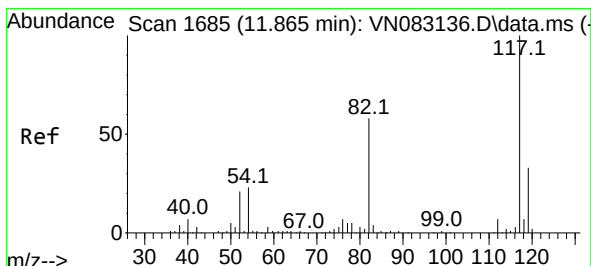
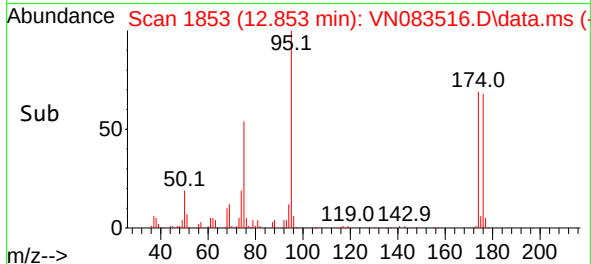
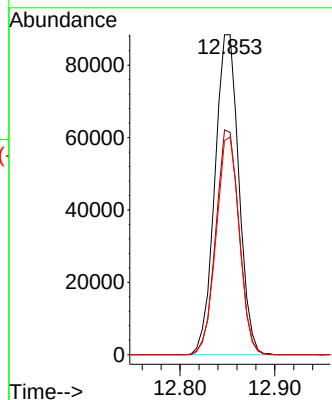
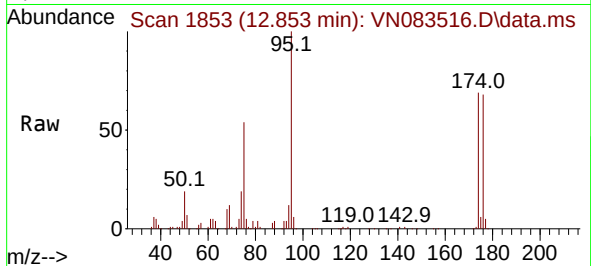




#62
4-Bromofluorobenzene
Concen: 61.682 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

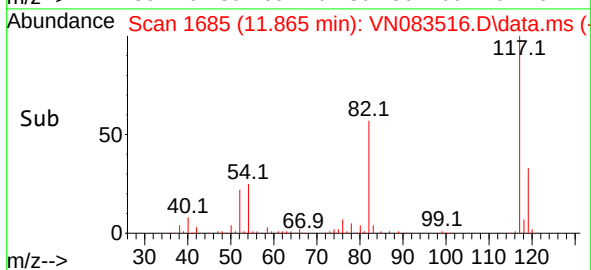
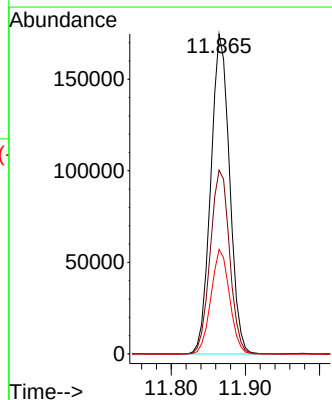
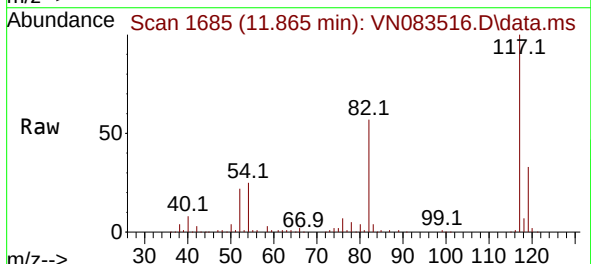
Instrument :
MSVOA_N
ClientSampleId :

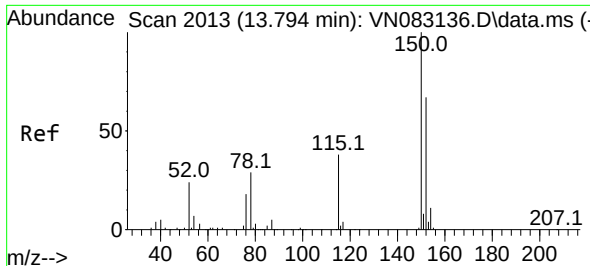
Tgt Ion: 95 Resp: 155320
Ion Ratio Lower Upper
95 100
174 68.1 0.0 159.2
176 66.2 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

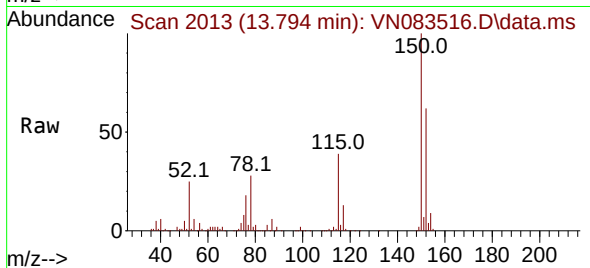
Tgt Ion: 117 Resp: 307433
Ion Ratio Lower Upper
117 100
82 57.4 47.5 71.3
119 32.6 25.6 38.4



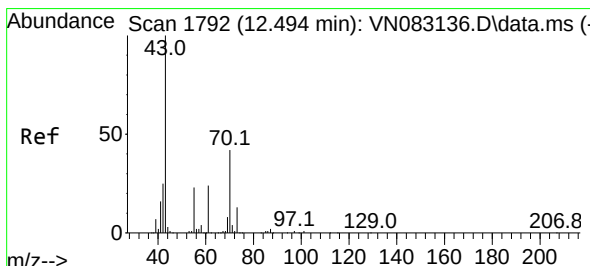
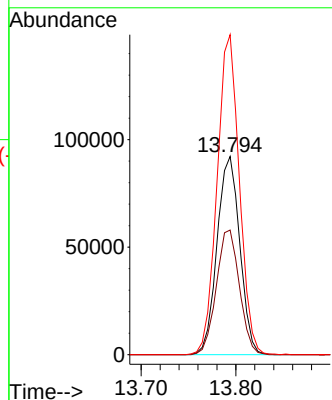
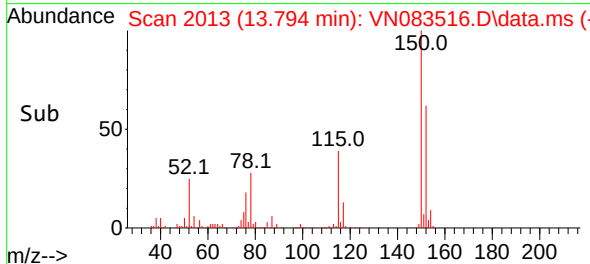


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

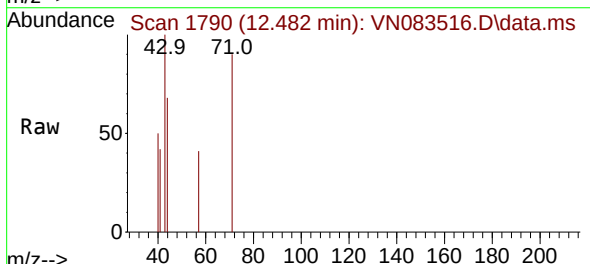
Instrument :
MSVOA_N
ClientSampleId :



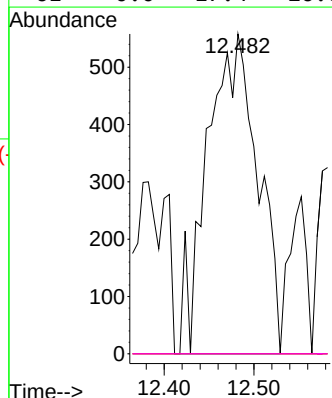
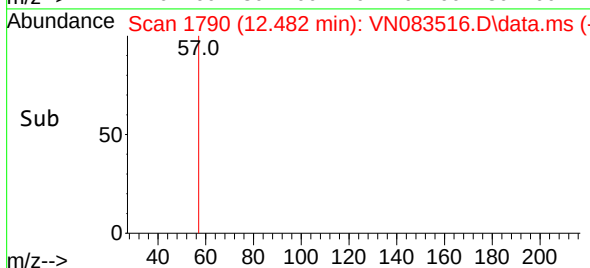
Tgt Ion:152 Resp: 153648
Ion Ratio Lower Upper
152 100
115 63.9 30.6 91.6
150 157.9 0.0 348.6

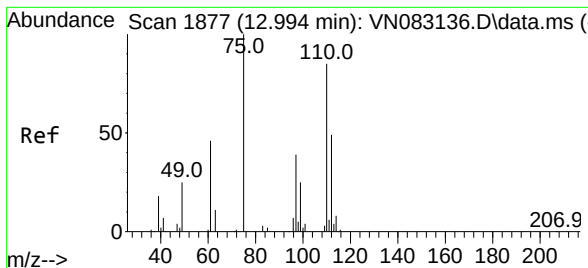


#74
N-ethyl acetate
Concen: 0.347 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55



Tgt Ion: 43 Resp: 2182
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#

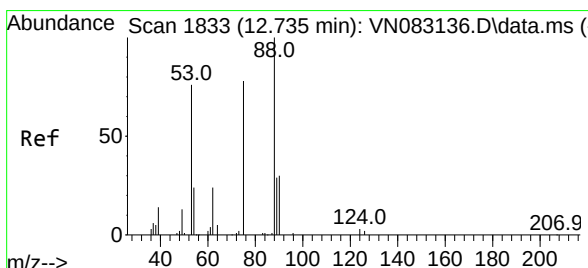
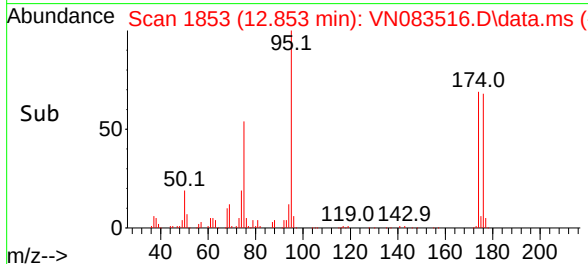
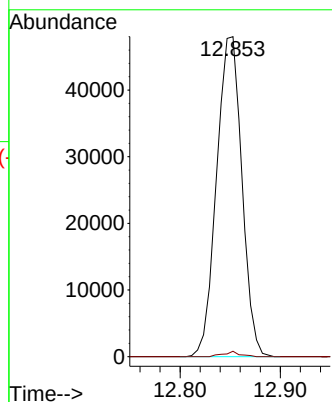
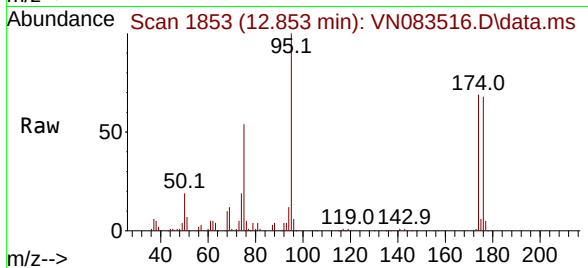




#76
1,2,3-Trichloropropane
Concen: 24.967 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

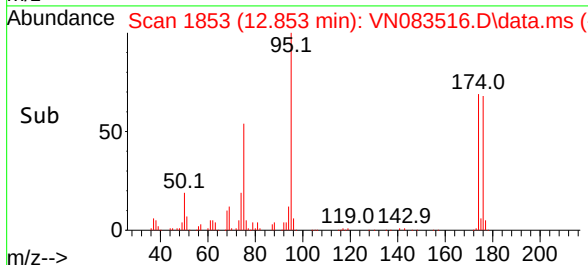
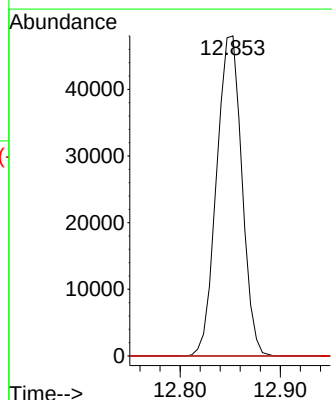
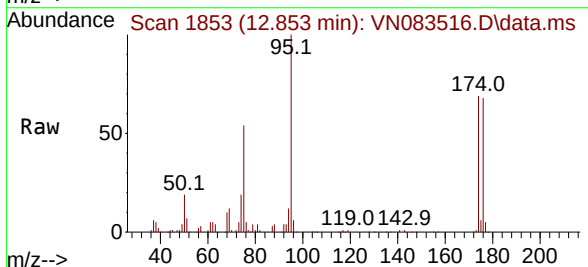
Instrument :
MSVOA_N
ClientSampleId :

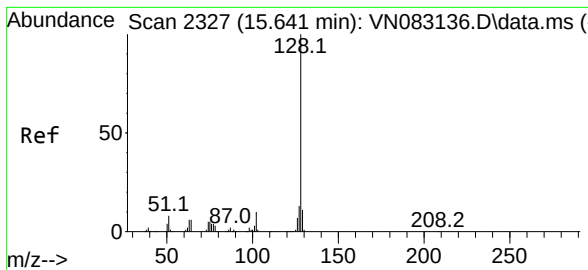
Tgt Ion: 75 Resp: 84195
Ion Ratio Lower Upper
75 100
77 1.1 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.310 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

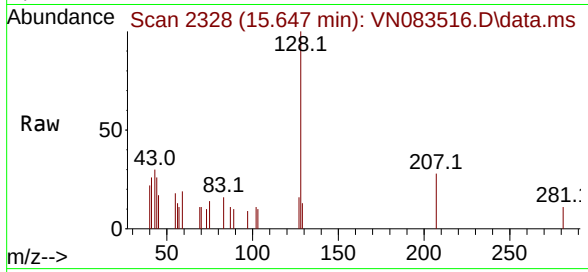
Tgt Ion: 75 Resp: 84195
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#





#95
Naphthalene
Concen: 0.276 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN083516.D
Acq: 27 Aug 2024 17:55

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	2850
Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.6	16.0#
129	8.9	8.6	12.8

