

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
 Data File : VN083514.D
 Acq On : 27 Aug 2024 17:06
 Operator : JC\MD
 Sample : P3735-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 28 01:49:27 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)

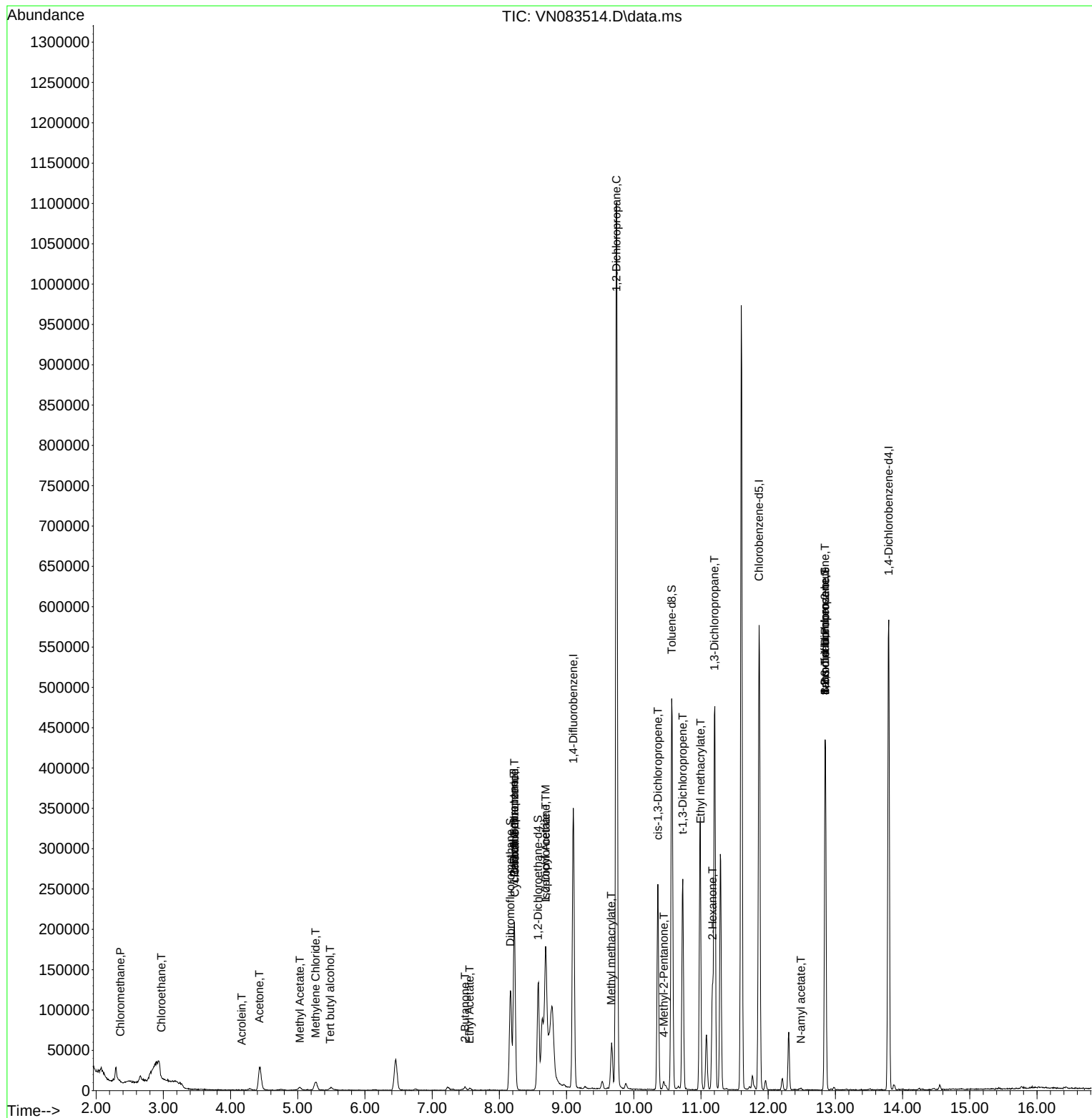
Internal Standards						
1) Pentafluorobenzene	8.224	168	143066	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	317567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	151893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	113512	55.742	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.480%
35) Dibromofluoromethane	8.165	113	89654	49.017	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.040%
50) Toluene-d8	10.565	98	330905	48.500	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.000%
62) 4-Bromofluorobenzene	12.847	95	154739	58.175	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	116.340%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	536	0.323	ug/l #	43
6) Chloroethane	2.971	64	817	0.770	ug/l #	41
11) Tert butyl alcohol	5.483	59	1320	3.119	ug/l #	71
13) Acrolein	4.165	56	68	0.247	ug/l #	1
16) Acetone	4.430	43	51990	65.246	ug/l	93
18) Methyl Acetate	5.030	43	7459	3.142	ug/l #	90
20) Methylene Chloride	5.265	84	7732	4.216	ug/l #	75
25) 2-Butanone	7.488	43	6605	5.398	ug/l #	88
31) Cyclohexane	8.229	56	3889	1.289	ug/l #	45
36) 1,1-Dichloropropene	8.218	75	13002	4.699	ug/l #	53
37) Ethyl Acetate	7.559	43	3817	1.232	ug/l #	96
38) Carbon Tetrachloride	8.224	117	16291	5.228	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1176	0.392	ug/l #	78
43) Isopropyl Acetate	8.688	43	152269	27.172	ug/l	94
45) 1,2-Dichloropropane	9.741	63	1460	0.746	ug/l #	44
48) Methyl methacrylate	9.665	41	4015	1.568	ug/l #	48
51) 4-Methyl-2-Pentanone	10.447	43	10431	3.561	ug/l #	78
53) t-1,3-Dichloropropene	10.729	75	722	0.224	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	44107	12.838	ug/l #	55
56) Ethyl methacrylate	10.994	69	849	0.241	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4773	1.435	ug/l #	43
59) 2-Hexanone	11.170	43	104477	46.099	ug/l #	28
71) Bromoform	12.847	173	633	0.338	ug/l #	29
74) N-amyl acetate	12.488	43	1363	0.219	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	85278	25.581	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	85278	55.644	ug/l #	6

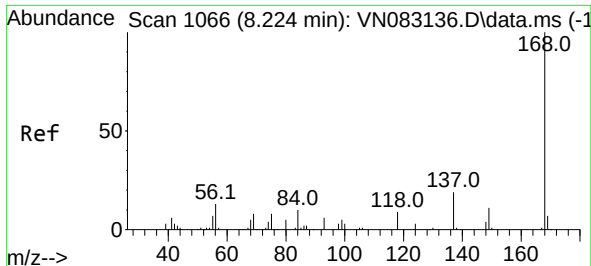
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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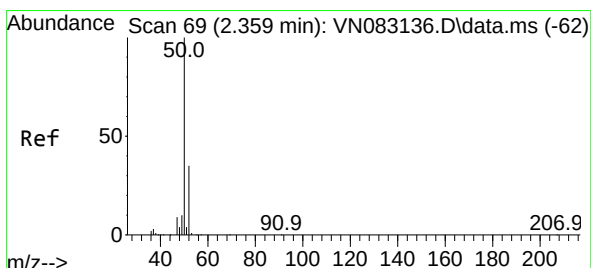
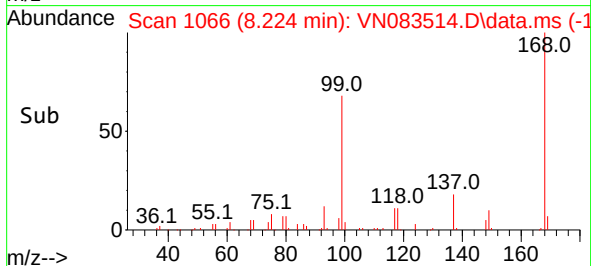
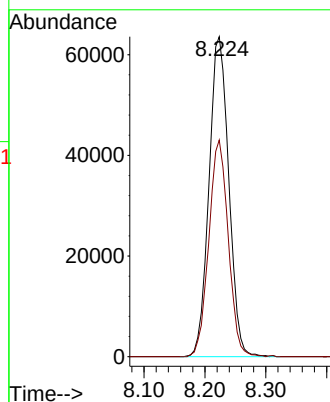
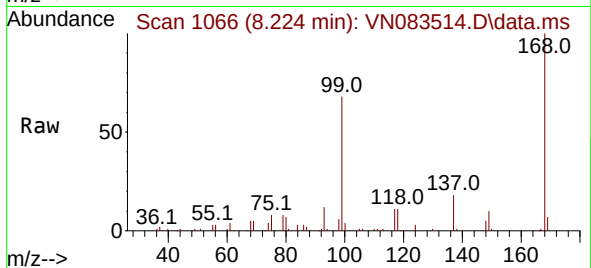




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

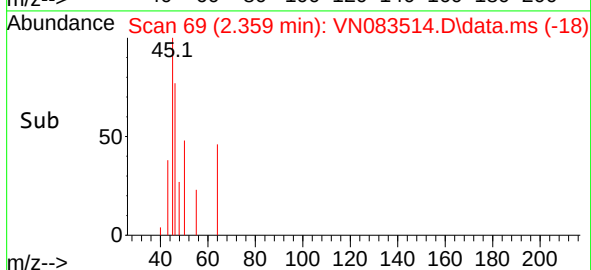
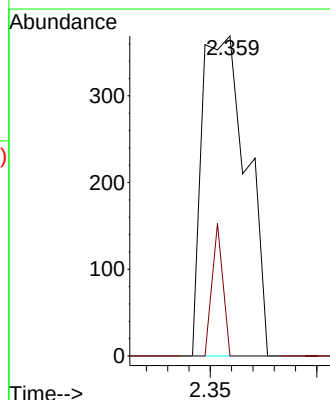
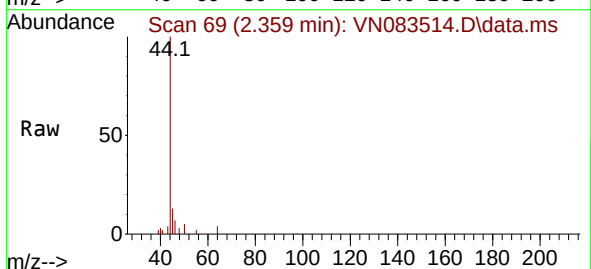
Instrument :
MSVOA_N
ClientSampleId :

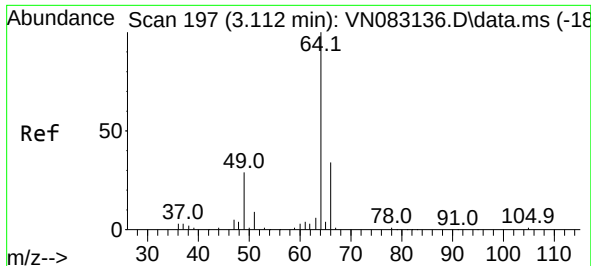
Tgt Ion:168 Resp: 143066
Ion Ratio Lower Upper
168 100
99 67.7 48.2 72.4



#3
Chloromethane
Concen: 0.323 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

Tgt Ion: 50 Resp: 536
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

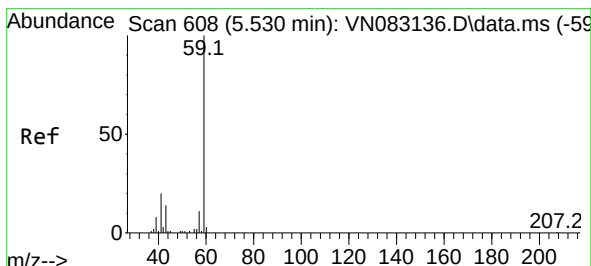
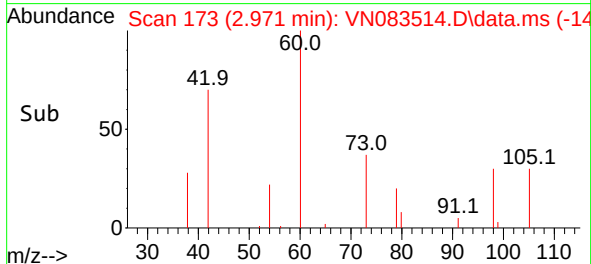
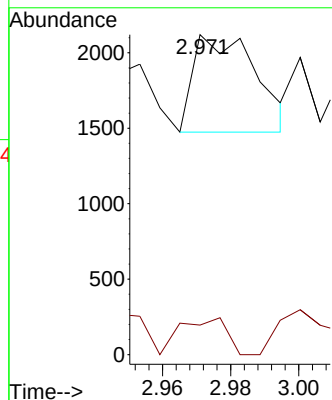
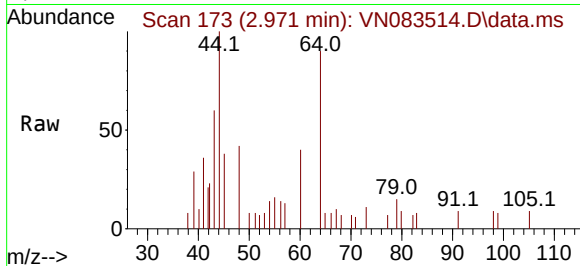




#6
Chloroethane
Concen: 0.770 ug/l
RT: 2.971 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

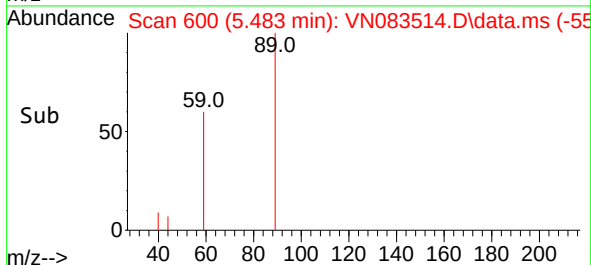
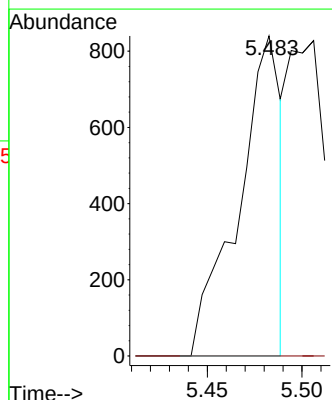
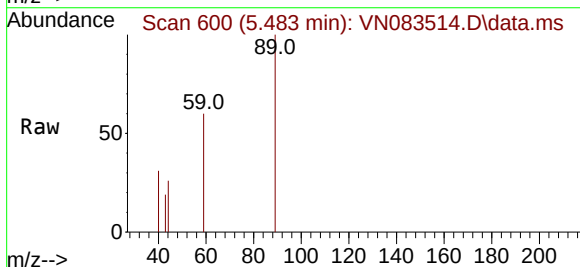
Instrument :
MSVOA_N
ClientSampleId :

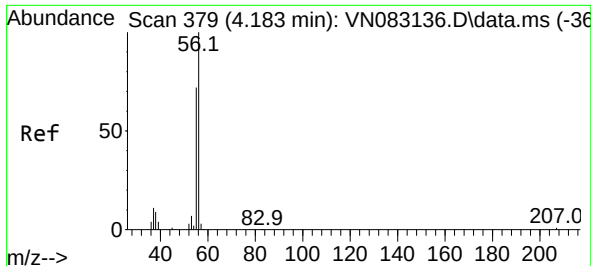
Tgt Ion: 64 Resp: 817
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



#11
Tert butyl alcohol
Concen: 3.119 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.047 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

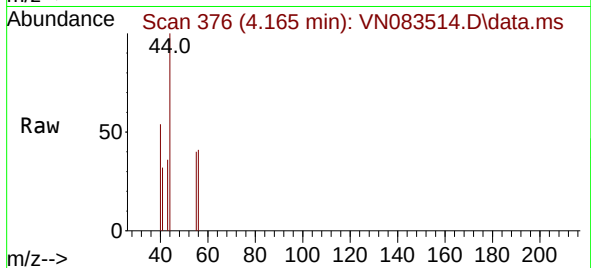
Tgt Ion: 59 Resp: 1320
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



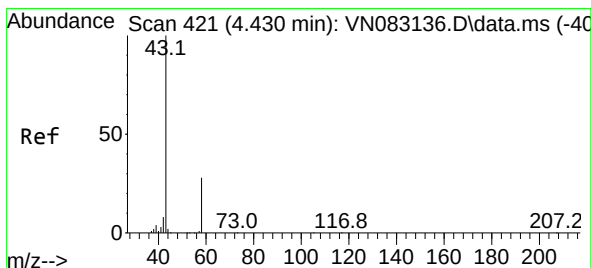
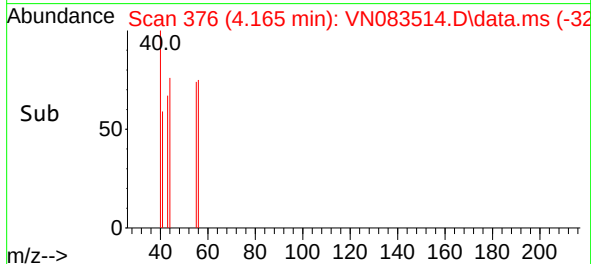
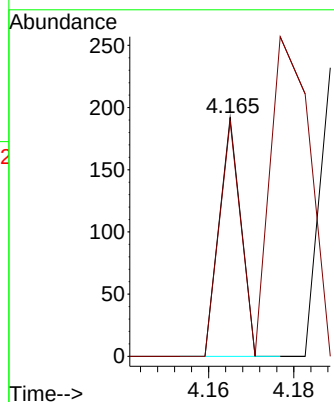


#13
Acrolein
Concen: 0.247 ug/l
RT: 4.165 min Scan# 31
Delta R.T. -0.018 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

Instrument :
MSVOA_N
ClientSampleId :

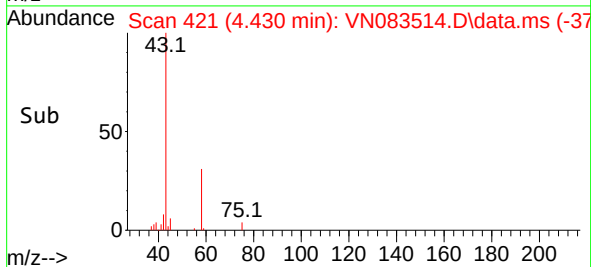
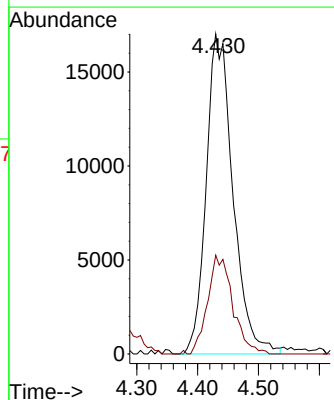
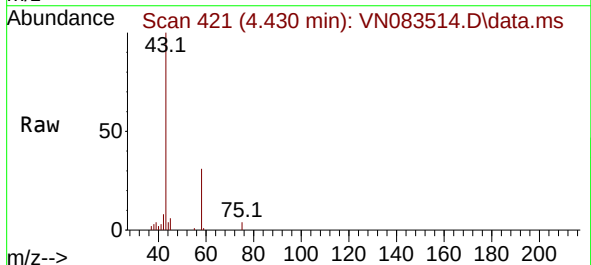


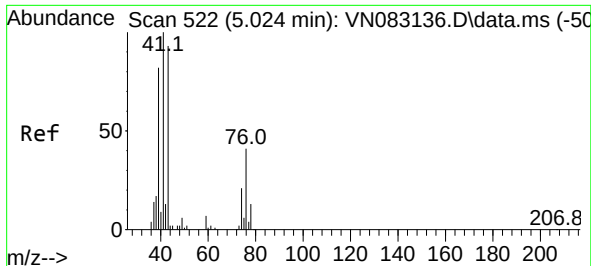
Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 341.2 56.4 84.6#



#16
Acetone
Concen: 65.246 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

Tgt Ion: 43 Resp: 51990
Ion Ratio Lower Upper
43 100
58 30.8 21.8 32.6

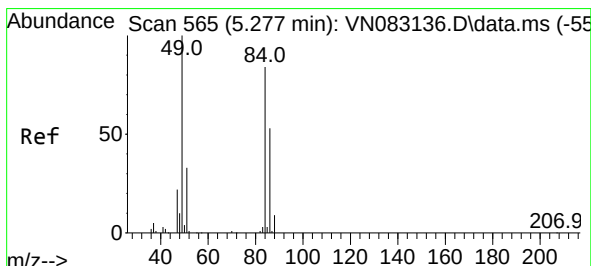
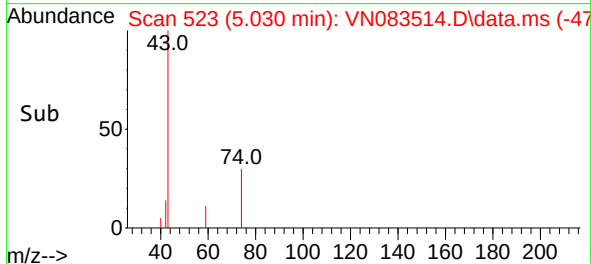
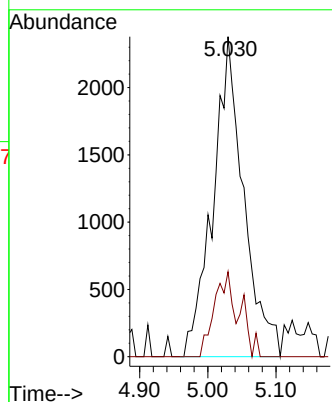
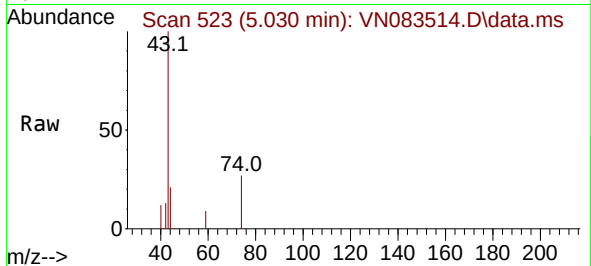




#18
Methyl Acetate
Concen: 3.142 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

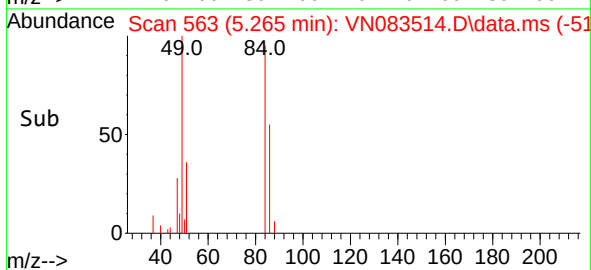
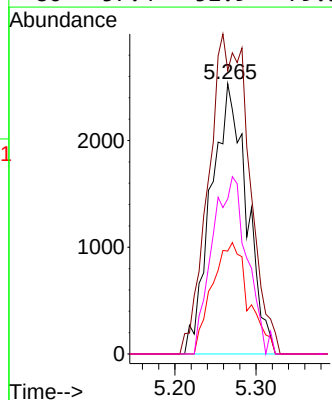
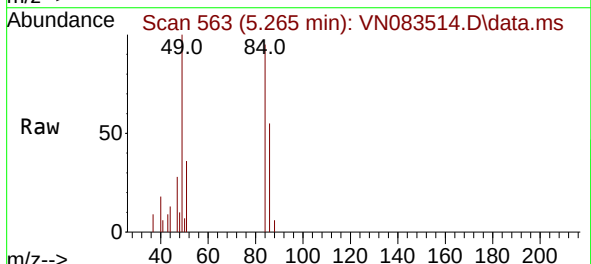
Instrument :
MSVOA_N
ClientSampleId :

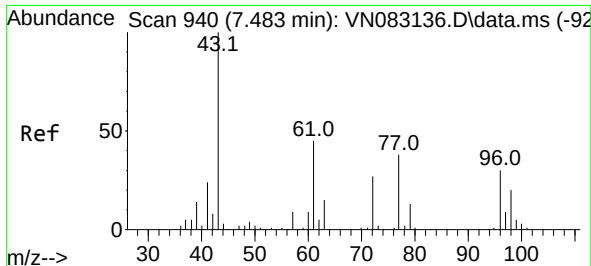
Tgt Ion: 43 Resp: 7459
Ion Ratio Lower Upper
43 100
74 15.9 16.3 24.5#



#20
Methylene Chloride
Concen: 4.216 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

Tgt Ion: 84 Resp: 7732
Ion Ratio Lower Upper
84 100
49 104.9 119.6 179.4#
51 38.1 34.8 52.2
86 57.4 52.9 79.3

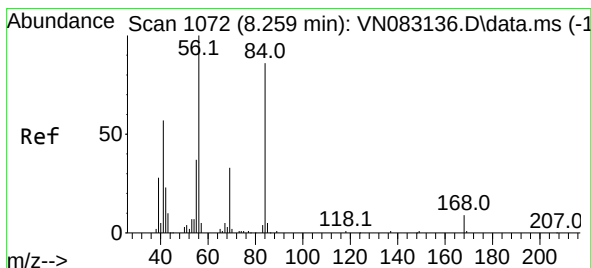
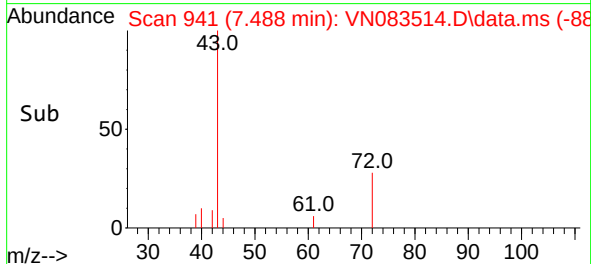
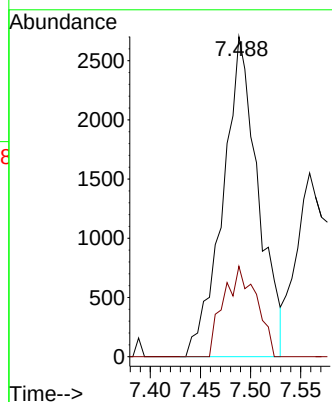
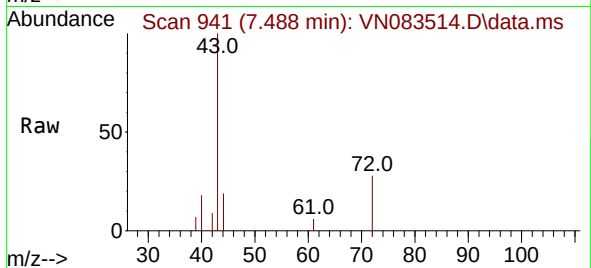




#25
2-Butanone
Concen: 5.398 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

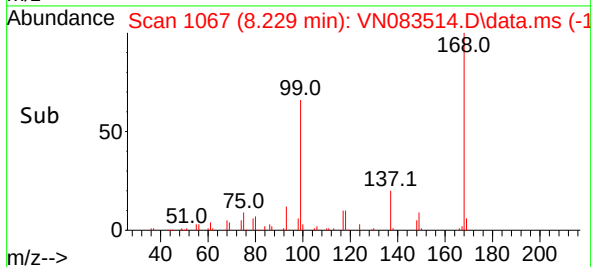
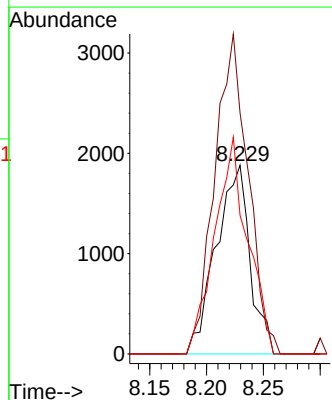
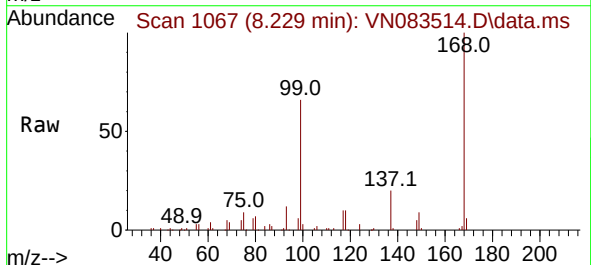
Instrument :
MSVOA_N
ClientSampleId :

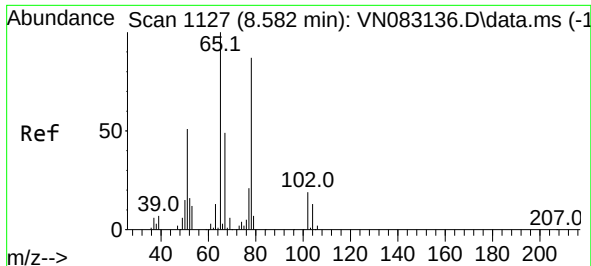
Tgt Ion: 43 Resp: 6605
Ion Ratio Lower Upper
43 100
72 28.3 18.2 27.2#



#31
Cyclohexane
Concen: 1.289 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

Tgt Ion: 56 Resp: 3889
Ion Ratio Lower Upper
56 100
69 127.8 24.5 36.7#
84 73.5 66.0 99.0





#33

1,2-Dichloroethane-d4

Concen: 55.742 ug/l

RT: 8.576 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN083514.D

Acq: 27 Aug 2024 17:06

Instrument :

MSVOA_N

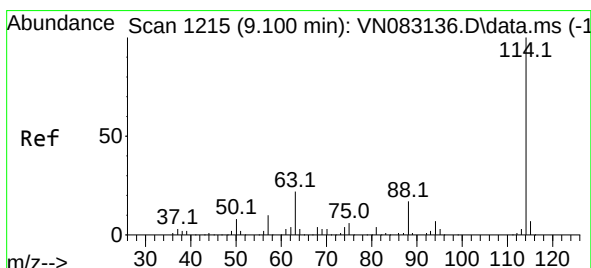
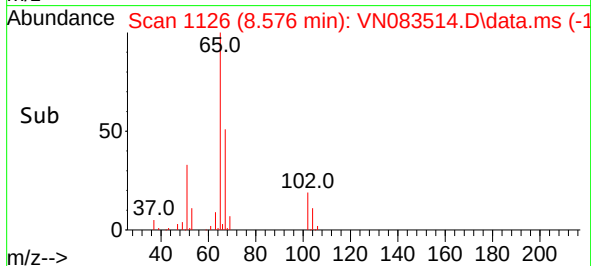
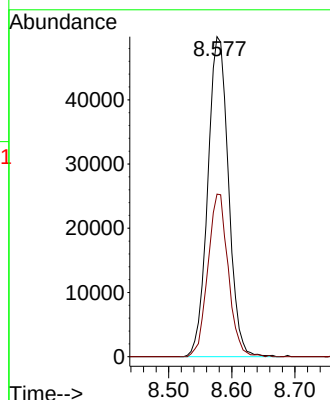
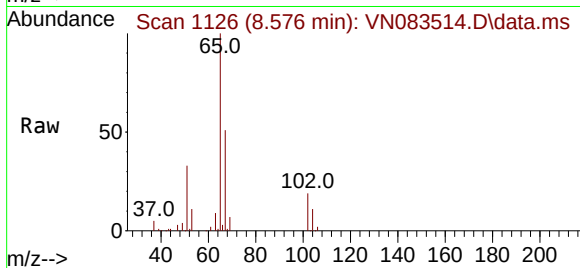
ClientSampleId :

Tgt Ion: 65 Resp: 113512

Ion Ratio Lower Upper

65 100

67 50.0 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: VN083514.D

Acq: 27 Aug 2024 17:06

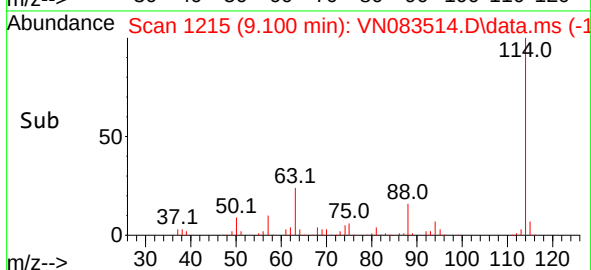
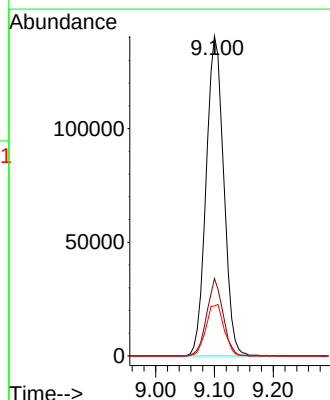
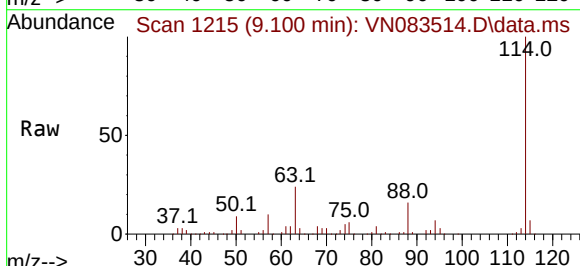
Tgt Ion: 114 Resp: 293030

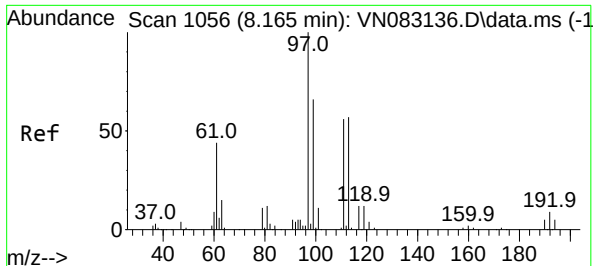
Ion Ratio Lower Upper

114 100

63 24.2 0.0 44.6

88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.017 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083514.D

Acq: 27 Aug 2024 17:06

Instrument :

MSVOA_N

ClientSampleId :

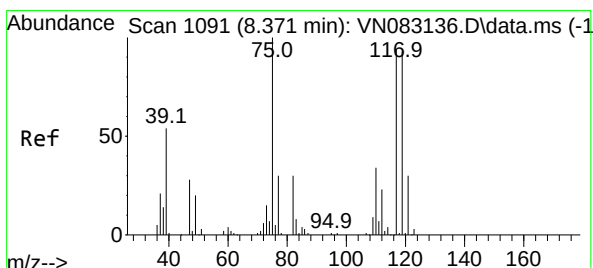
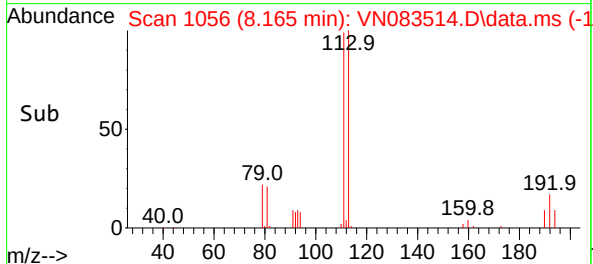
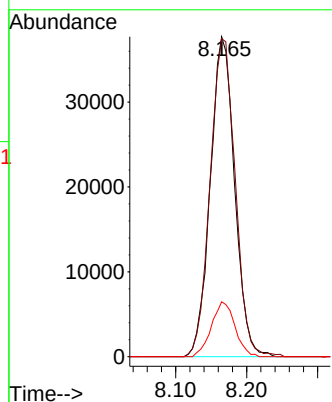
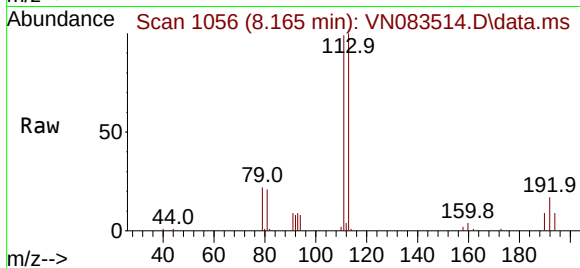
Tgt Ion:113 Resp: 89654

Ion Ratio Lower Upper

113 100

111 102.3 82.4 123.6

192 16.6 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.699 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN083514.D

Acq: 27 Aug 2024 17:06

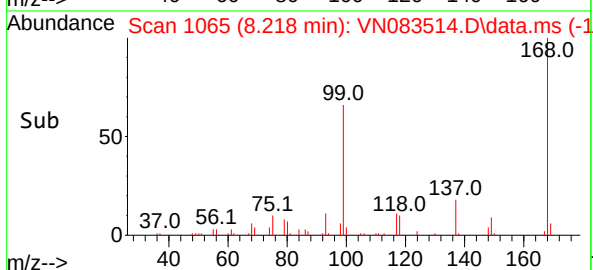
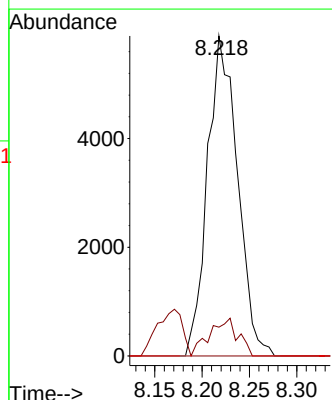
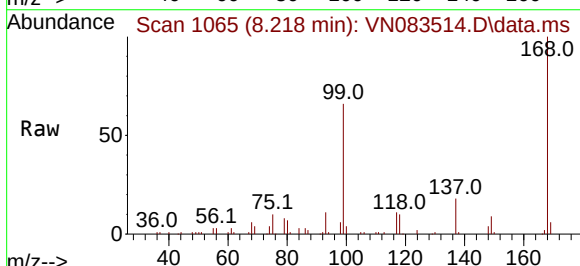
Tgt Ion: 75 Resp: 13002

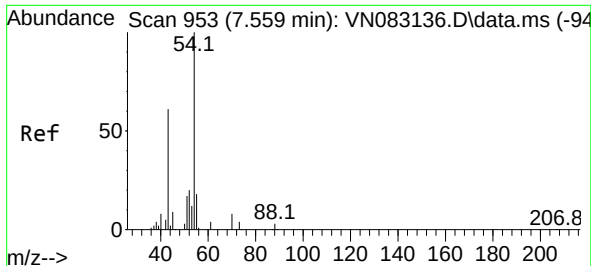
Ion Ratio Lower Upper

75 100

110 11.1 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.232 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

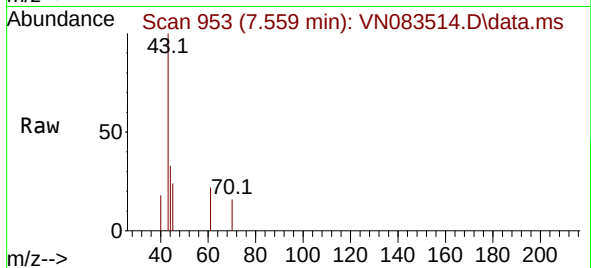
Lab File: VN083514.D

Acq: 27 Aug 2024 17:06

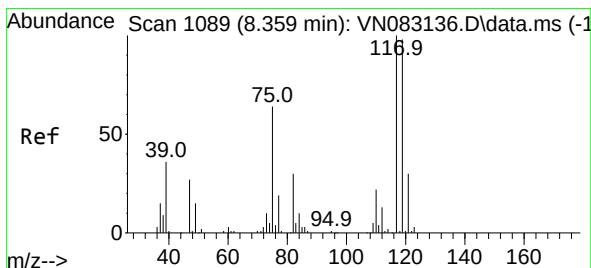
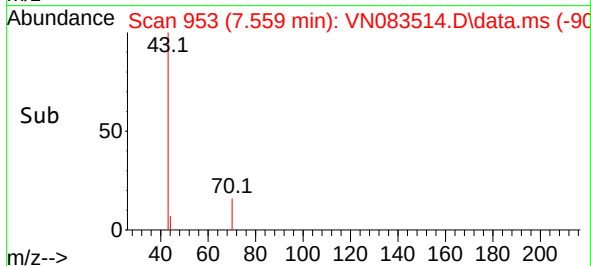
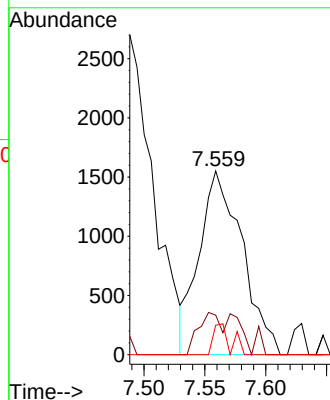
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3817
Ion	Ratio	Lower	Upper
43	100		
61	12.2	9.3	13.9
70	6.5	7.0	10.6



#38

Carbon Tetrachloride

Concen: 5.228 ug/l

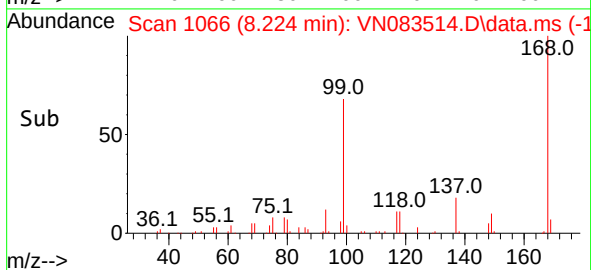
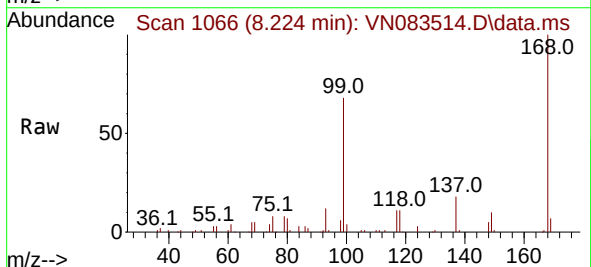
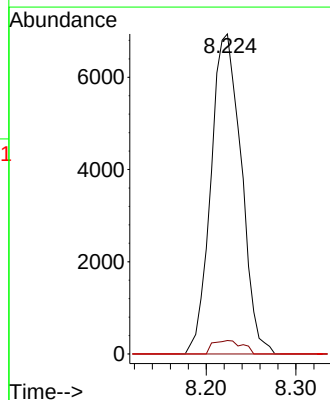
RT: 8.224 min Scan# 1066

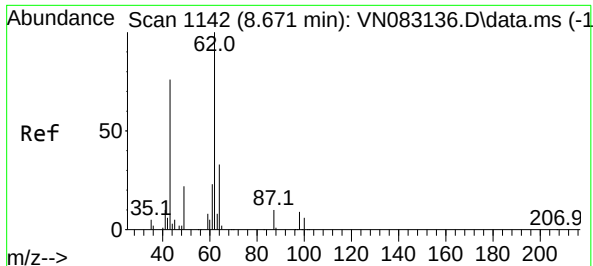
Delta R.T. -0.135 min

Lab File: VN083514.D

Acq: 27 Aug 2024 17:06

Tgt Ion:	117	Resp:	16291
Ion	Ratio	Lower	Upper
117	100		
119	4.2	74.9	112.3
121	0.0	24.3	36.5





#42

1,2-Dichloroethane

Concen: 0.392 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN083514.D

Acq: 27 Aug 2024 17:06

Instrument :

MSVOA_N

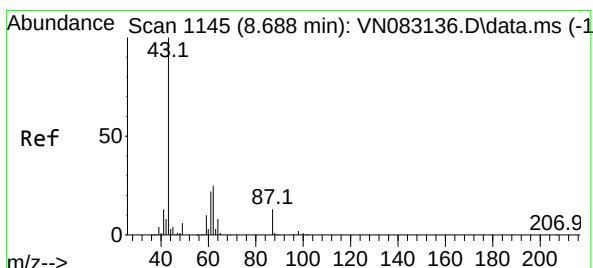
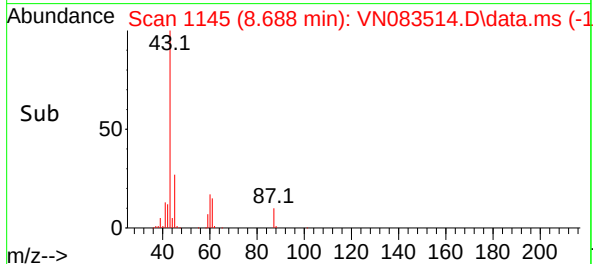
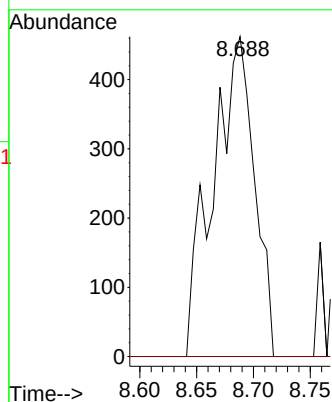
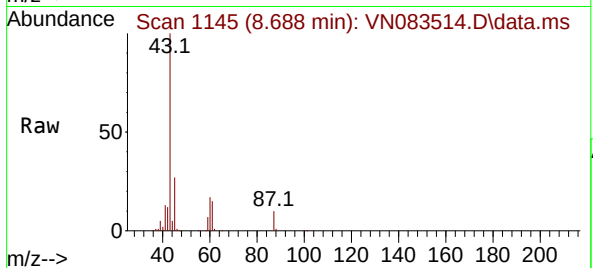
ClientSampleId :

Tgt Ion: 62 Resp: 1176

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 27.172 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083514.D

Acq: 27 Aug 2024 17:06

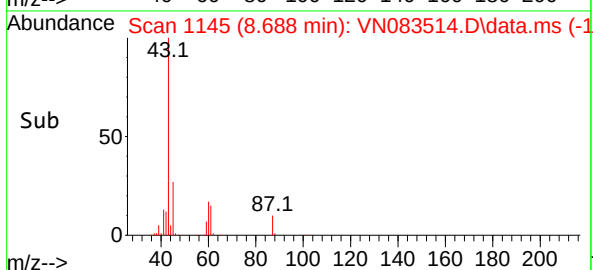
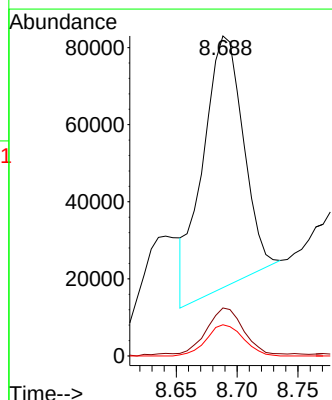
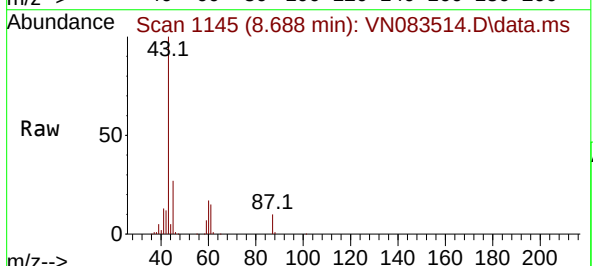
Tgt Ion: 43 Resp: 152269

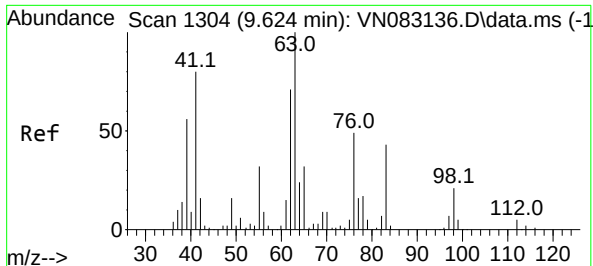
Ion Ratio Lower Upper

43 100

61 18.7 17.8 26.6

87 11.2 8.2 12.2

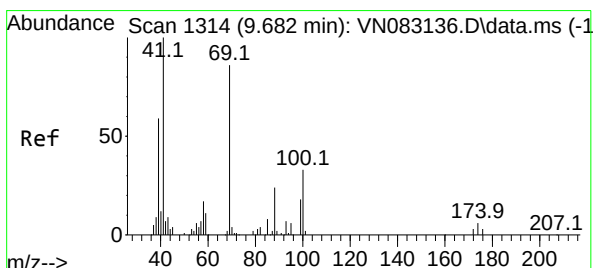
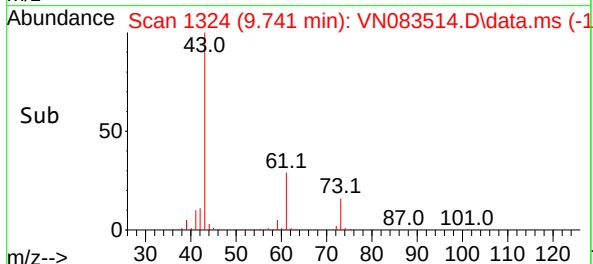
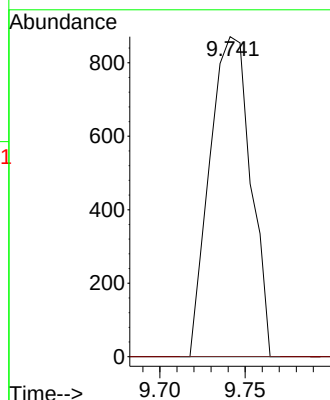
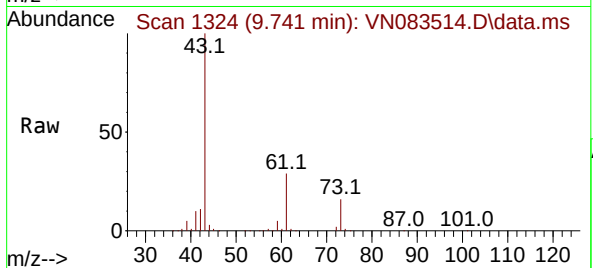




#45
1,2-Dichloropropane
Concen: 0.746 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

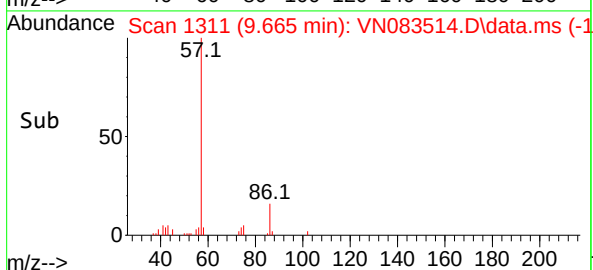
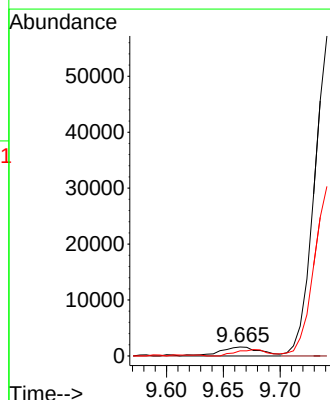
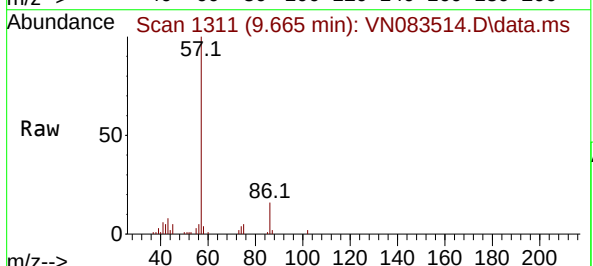
Instrument :
MSVOA_N
ClientSampleId :

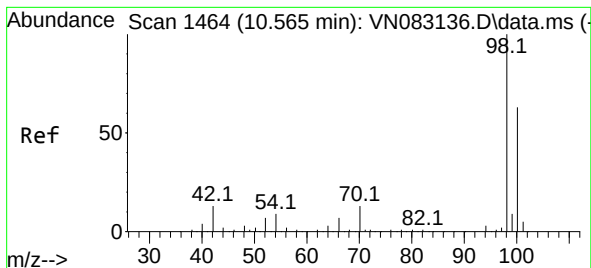
Tgt Ion: 63 Resp: 1460
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



#48
Methyl methacrylate
Concen: 1.568 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

Tgt Ion: 41 Resp: 4015
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 52.2 50.3 75.5

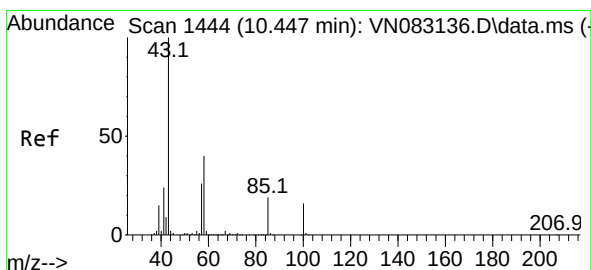
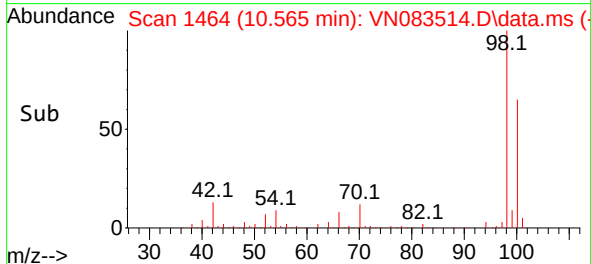
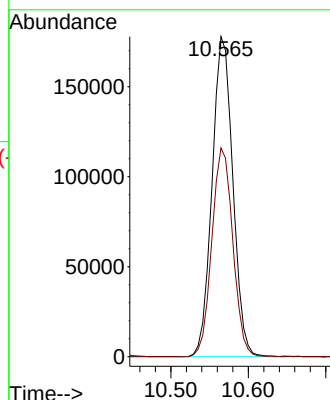
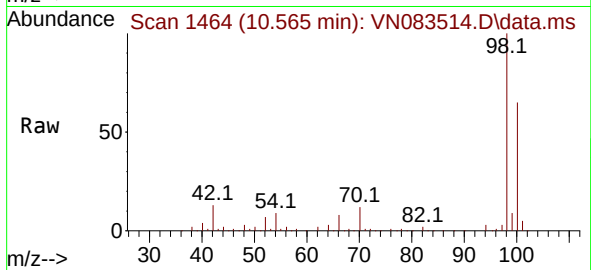




#50
Toluene-d8
Concen: 48.500 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

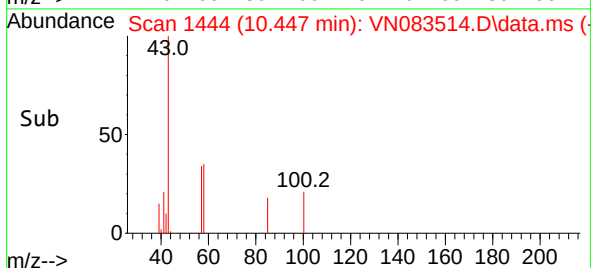
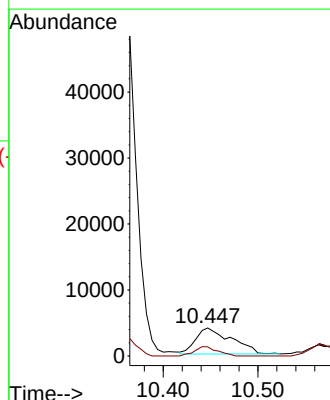
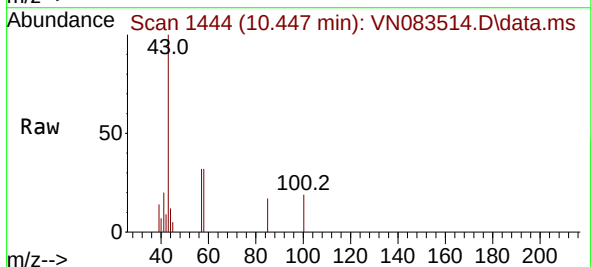
Instrument :
MSVOA_N
ClientSampleId :

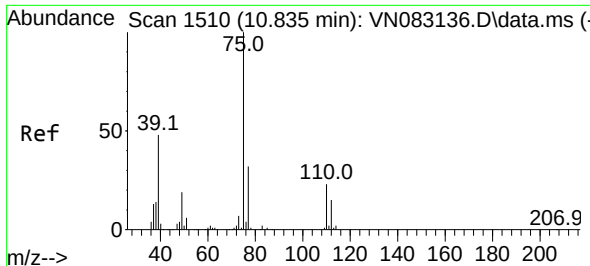
Tgt Ion: 98 Resp: 330905
Ion Ratio Lower Upper
98 100
100 65.8 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 3.561 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

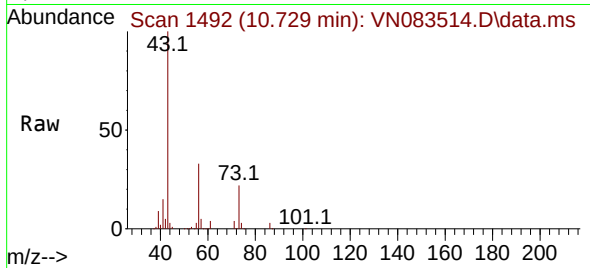
Tgt Ion: 43 Resp: 10431
Ion Ratio Lower Upper
43 100
58 22.6 28.2 42.4#



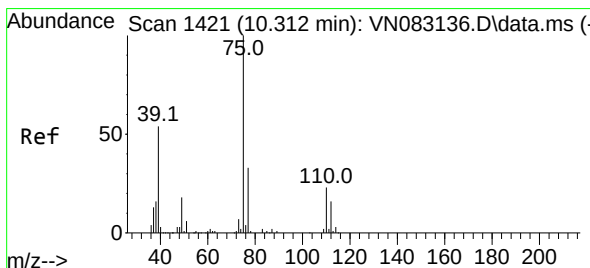
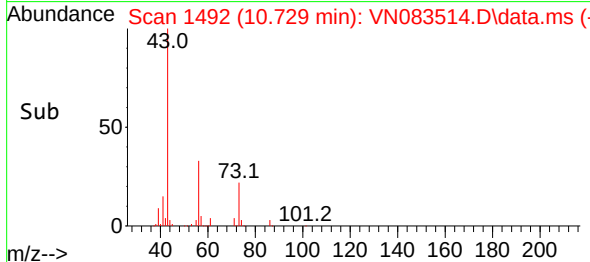
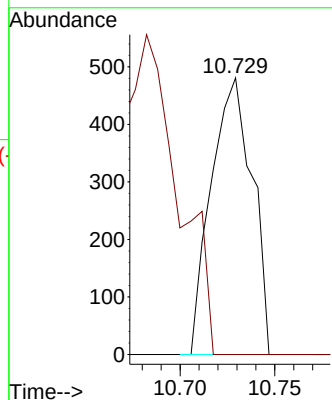


#53
 t-1,3-Dichloropropene
 Concen: 0.224 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN083514.D
 Acq: 27 Aug 2024 17:06

Instrument :
 MSVOA_N
 ClientSampleId :

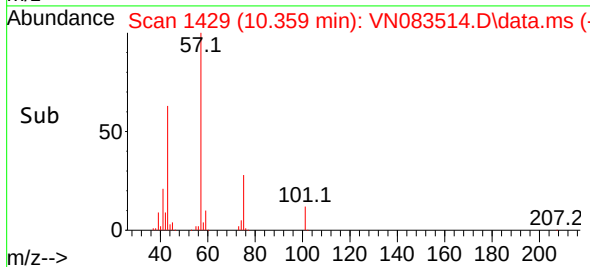
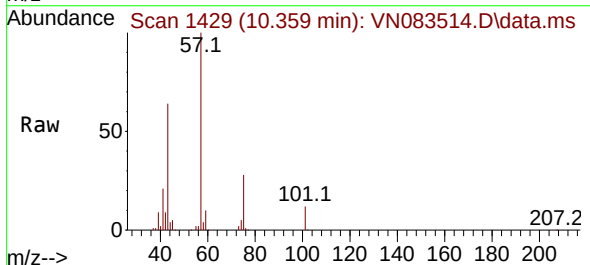
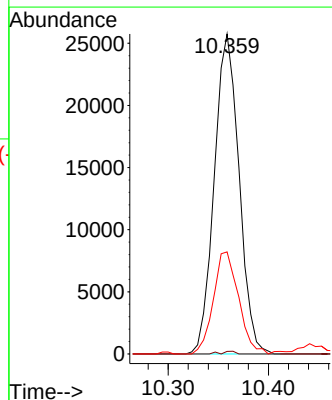


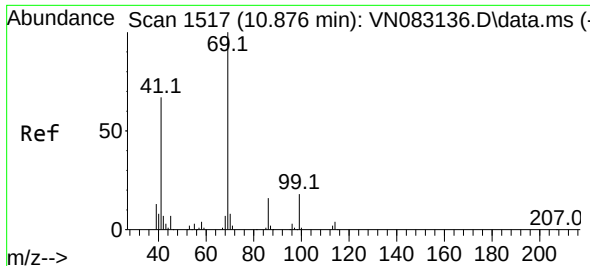
Tgt Ion: 75 Resp: 722
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 12.838 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083514.D
 Acq: 27 Aug 2024 17:06

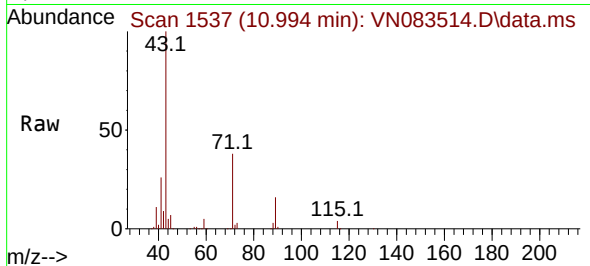
Tgt Ion: 75 Resp: 44107
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.3 36.5#
 39 31.9 50.5 75.7#



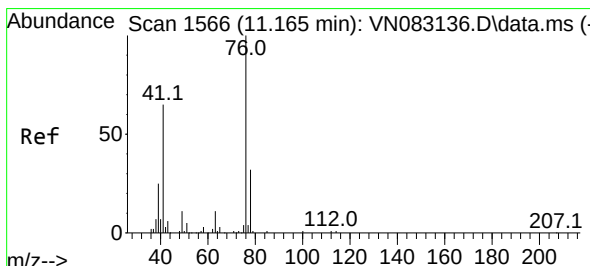
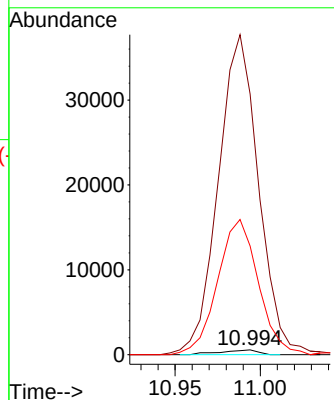
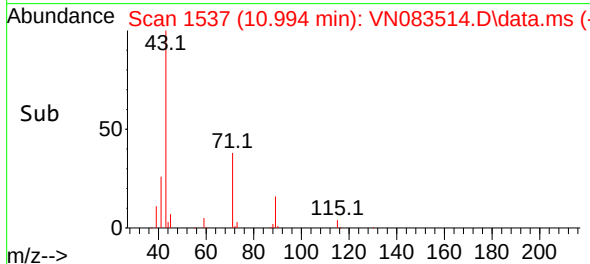


#56
Ethyl methacrylate
Concen: 0.241 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.118 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

Instrument :
MSVOA_N
ClientSampleId :

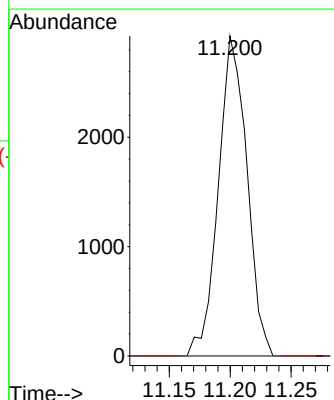
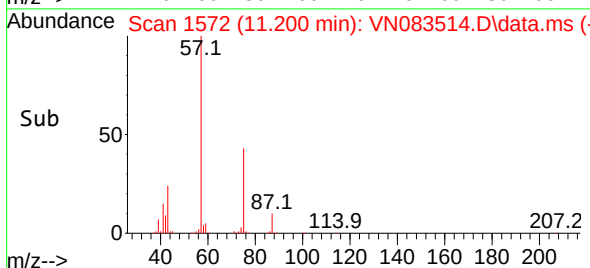
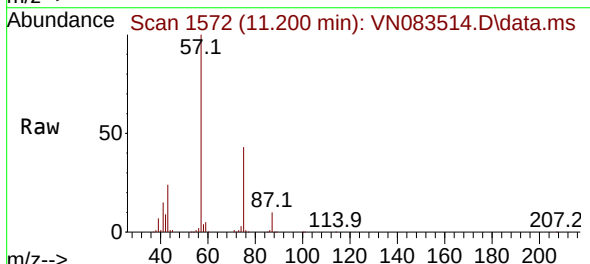


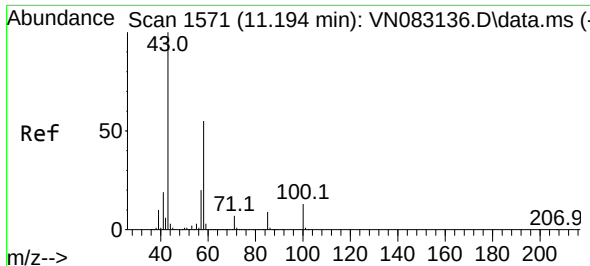
Tgt Ion: 69 Resp: 849
Ion Ratio Lower Upper
69 100
41 7333.9 63.4 95.2#
39 3119.0 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.435 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

Tgt Ion: 76 Resp: 4773
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

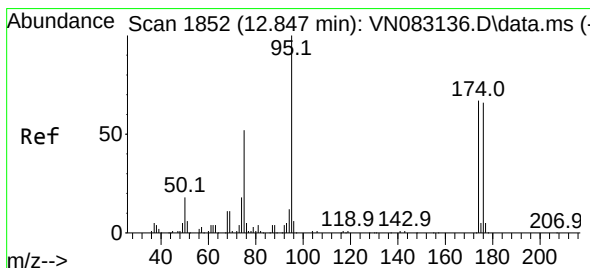
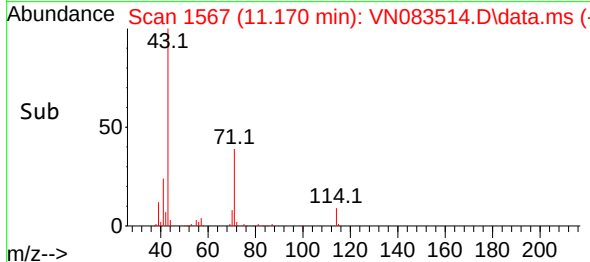
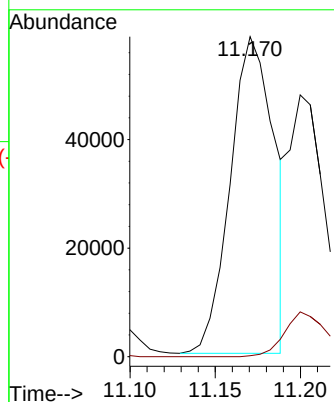
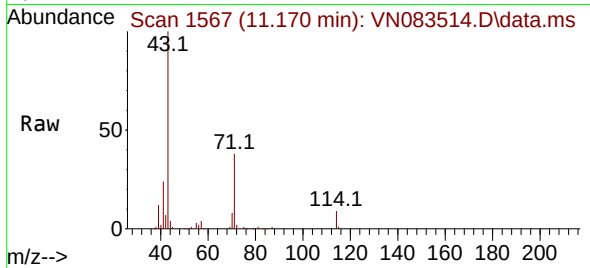




#59
2-Hexanone
Concen: 46.099 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

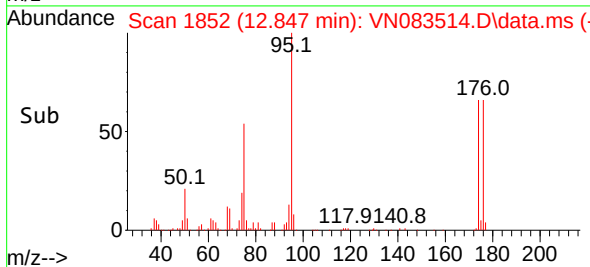
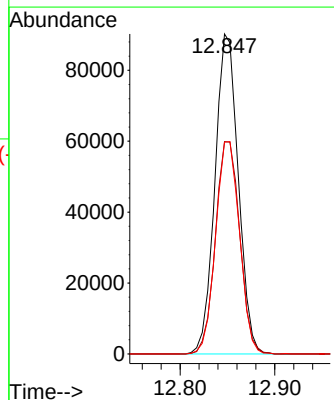
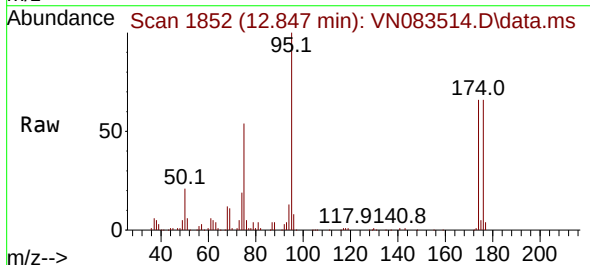
Instrument :
MSVOA_N
ClientSampleId :

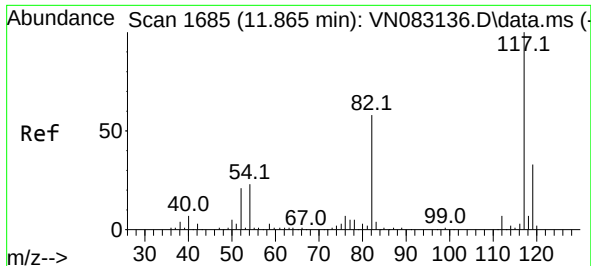
Tgt Ion: 43 Resp: 104477
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 58.175 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

Tgt Ion: 95 Resp: 154739
Ion Ratio Lower Upper
95 100
174 69.1 0.0 159.2
176 67.9 0.0 147.6

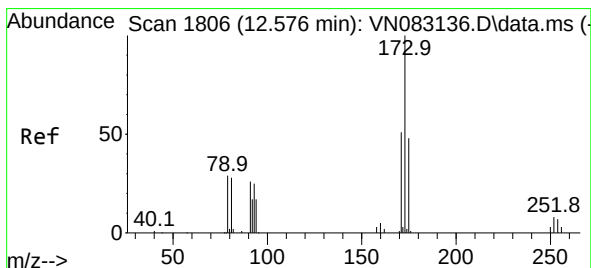
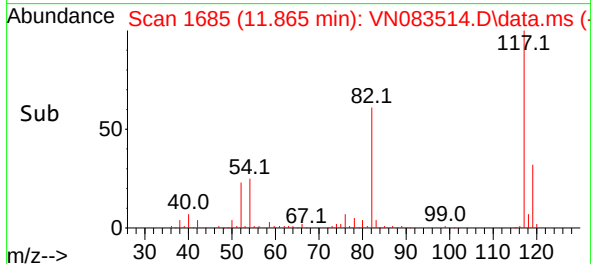
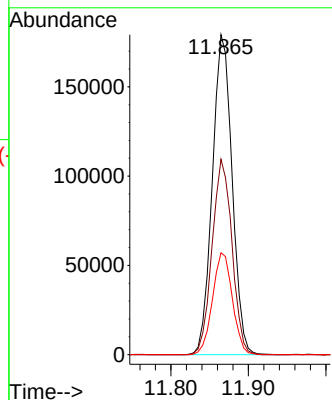
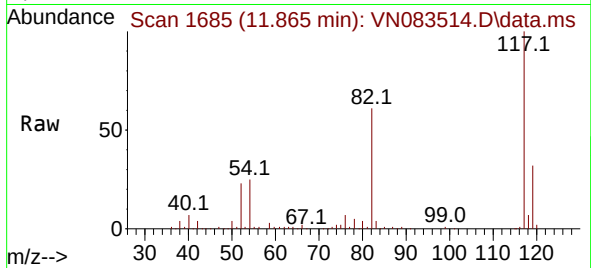




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

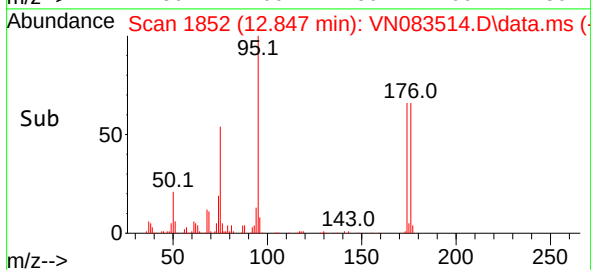
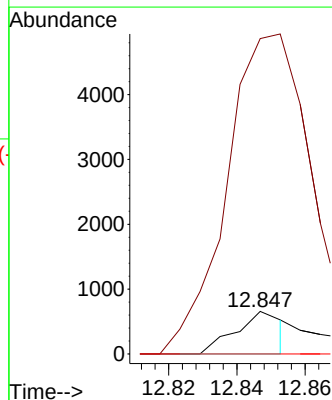
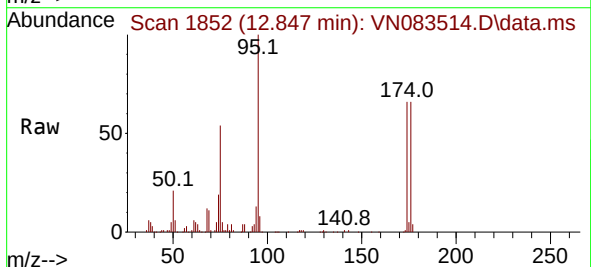
Instrument :
MSVOA_N
ClientSampleId :

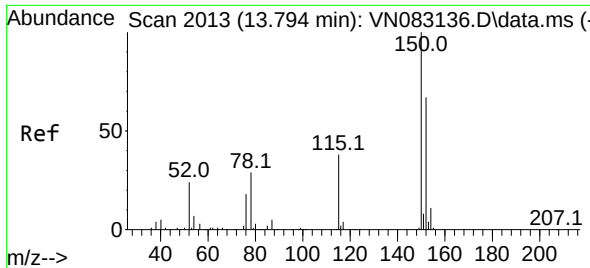
Tgt Ion:117 Resp: 317567
Ion Ratio Lower Upper
117 100
82 61.0 47.5 71.3
119 31.8 25.6 38.4



#71
Bromoform
Concen: 0.338 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

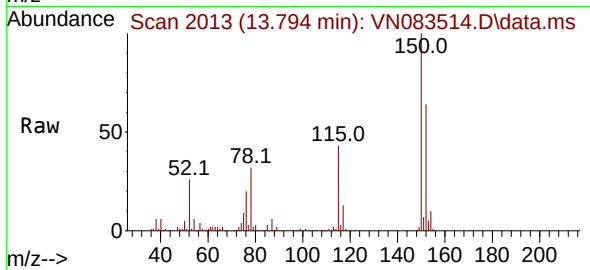
Tgt Ion:173 Resp: 633
Ion Ratio Lower Upper
173 100
175 0.0 24.0 72.0#
254 0.0 0.0 0.0



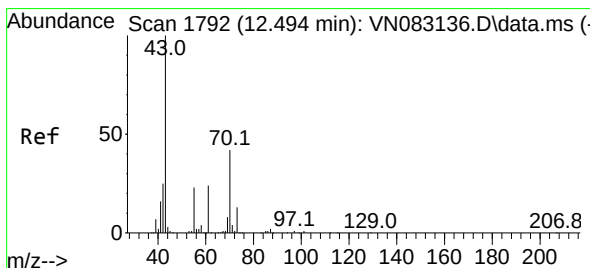
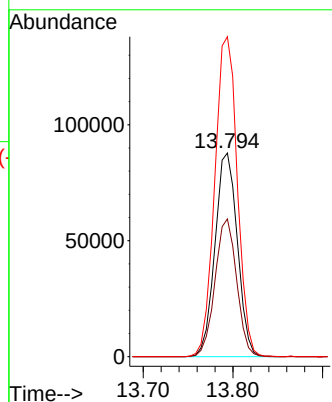
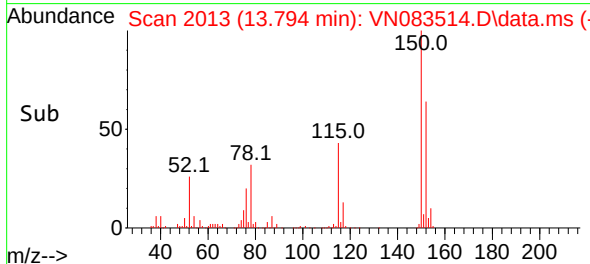


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

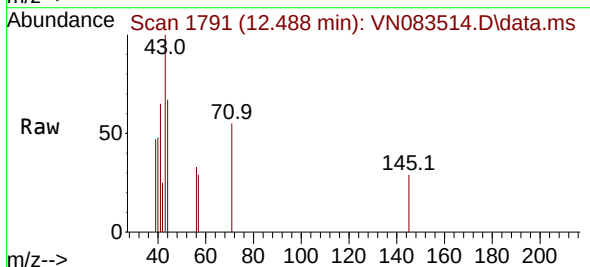
Instrument :
MSVOA_N
ClientSampleId :



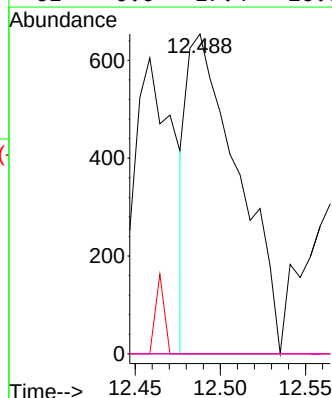
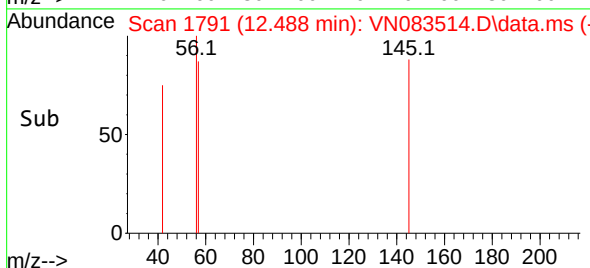
Tgt Ion:152 Resp: 151893
Ion Ratio Lower Upper
152 100
115 65.6 30.6 91.6
150 158.2 0.0 348.6

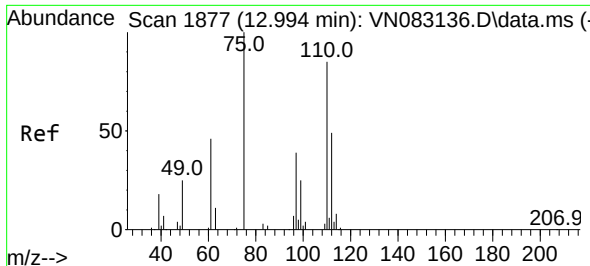


#74
N-ethyl acetate
Concen: 0.219 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06



Tgt Ion: 43 Resp: 1363
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#

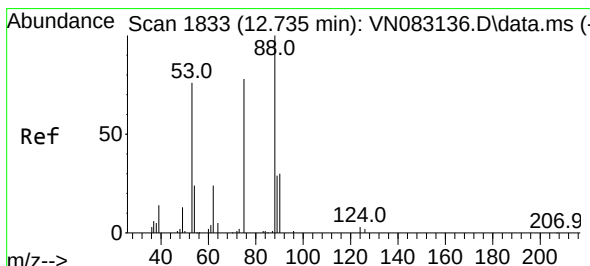
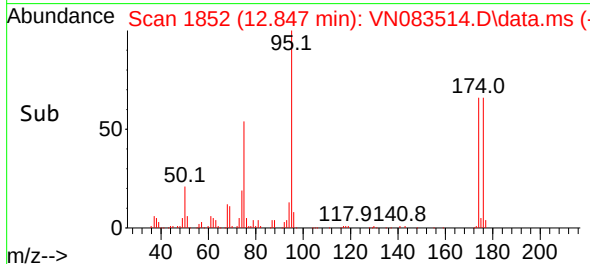
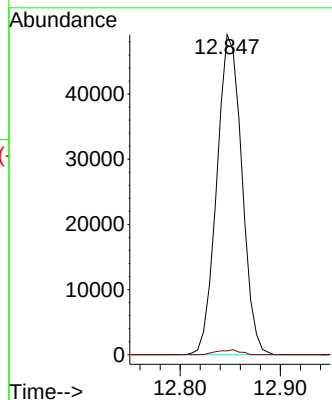
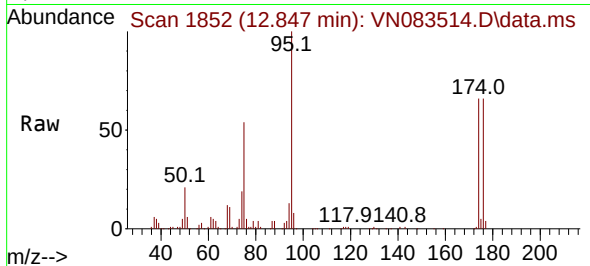




#76
1,2,3-Trichloropropane
Concen: 25.581 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 85278
Ion Ratio Lower Upper
75 100
77 1.4 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.644 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083514.D
Acq: 27 Aug 2024 17:06

Tgt Ion: 75 Resp: 85278
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

