

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072324\
 Data File : VN083015.D
 Acq On : 23 Jul 2024 16:47
 Operator : JC\MD
 Sample : PB162199TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 24 02:30:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

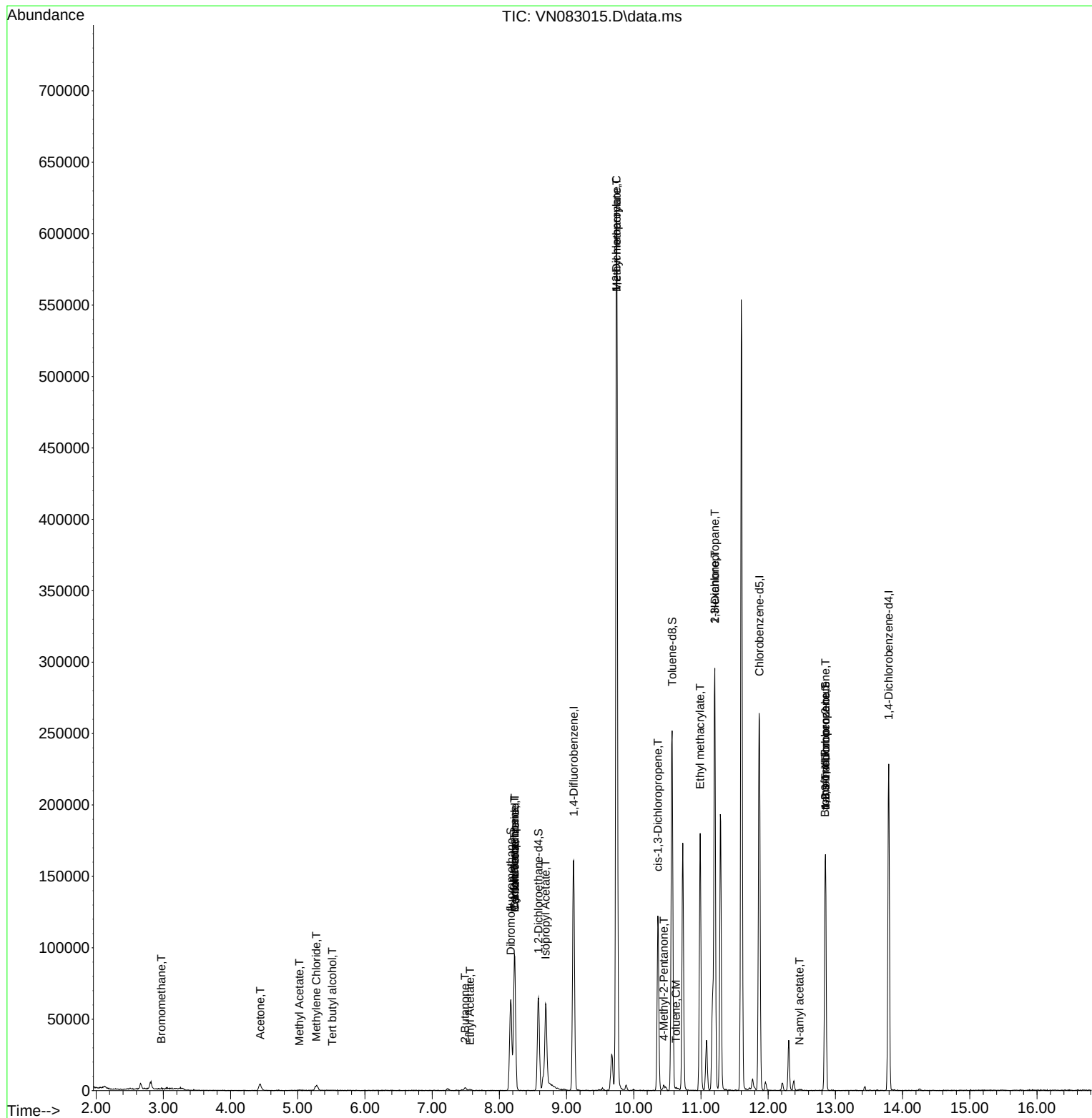
Internal Standards						
1) Pentafluorobenzene	8.229	168	66960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	136583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	151986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	59119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	54169	57.710	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 115.420%	
35) Dibromofluoromethane	8.171	113	44492	50.766	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.540%	
50) Toluene-d8	10.571	98	169246	52.284	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.560%	
62) 4-Bromofluorobenzene	12.853	95	52144	44.845	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 89.680%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	235	0.377	ug/l #	1
11) Tert butyl alcohol	5.512	59	135	0.855	ug/l #	71
16) Acetone	4.442	43	8646	26.163	ug/l	97
18) Methyl Acetate	5.024	43	223	0.255	ug/l #	56
20) Methylene Chloride	5.277	84	3074	3.852	ug/l #	79
25) 2-Butanone	7.488	43	3687	7.389	ug/l	92
31) Cyclohexane	8.224	56	1659	1.352	ug/l #	22
36) 1,1-Dichloropropene	8.224	75	5694	4.712	ug/l #	50
37) Ethyl Acetate	7.565	43	1803	1.466	ug/l #	72
38) Carbon Tetrachloride	8.229	117	7427	5.105	ug/l #	19
43) Isopropyl Acetate	8.688	43	74189	30.846	ug/l #	89
45) 1,2-Dichloropropane	9.741	63	810	0.933	ug/l #	44
48) Methyl methacrylate	9.747	41	60079	62.282	ug/l #	53
51) 4-Methyl-2-Pentanone	10.447	43	2387	1.957	ug/l	97
52) Toluene	10.629	92	856	0.369	ug/l	96
54) cis-1,3-Dichloropropene	10.359	75	20174	13.245	ug/l #	65
56) Ethyl methacrylate	10.988	69	1009	0.760	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	2844	1.882	ug/l #	43
59) 2-Hexanone	11.206	43	41343	45.594	ug/l #	59
71) Bromoform	12.847	173	712	0.782	ug/l #	1
74) N-amyl acetate	12.465	43	817	0.460	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	30220	29.649	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	30220	58.312	ug/l #	6

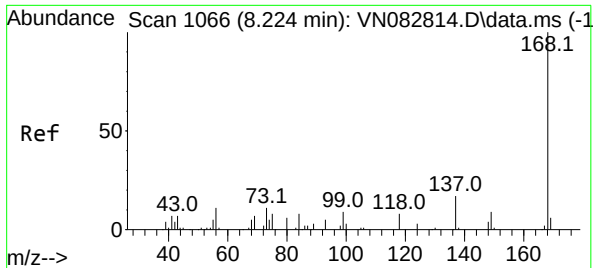
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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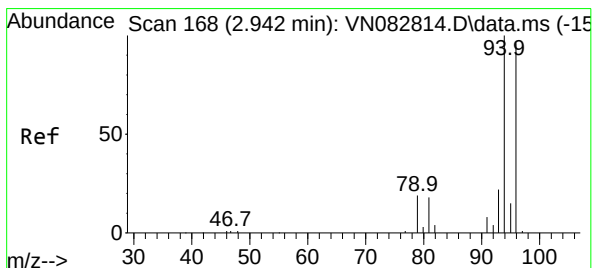
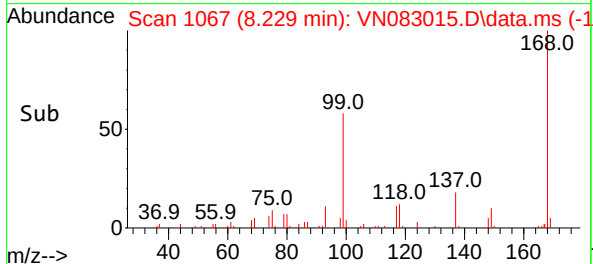
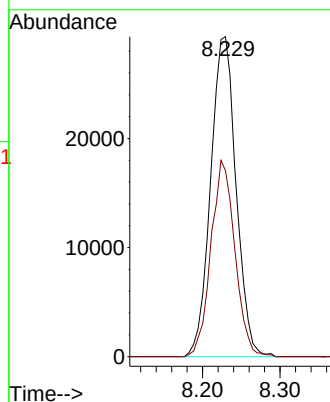
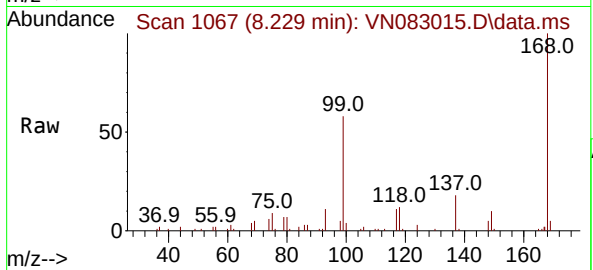




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.001 min
Lab File: VN083015.D
Acq: 23 Jul 2024 16:47

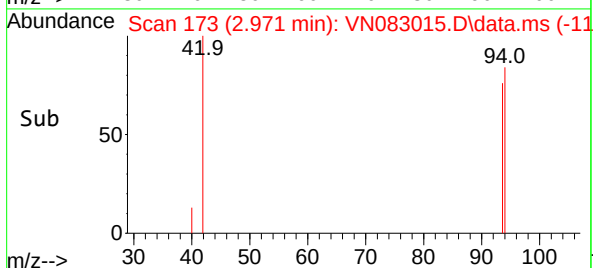
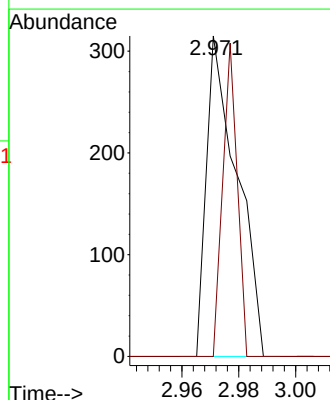
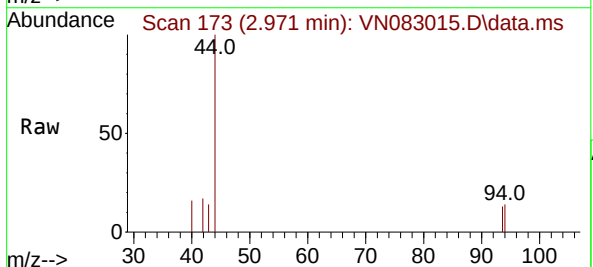
Instrument :
MSVOA_N
ClientSampleId :

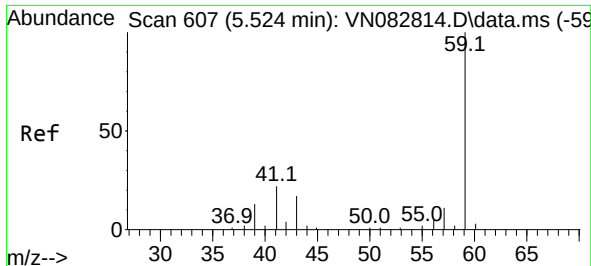
Tgt Ion:168 Resp: 66960
Ion Ratio Lower Upper
168 100
99 58.1 48.2 72.4



#5
Bromomethane
Concen: 0.377 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.024 min
Lab File: VN083015.D
Acq: 23 Jul 2024 16:47

Tgt Ion: 94 Resp: 235
Ion Ratio Lower Upper
94 100
96 0.0 78.0 117.0#





#11

Tert butyl alcohol

Concen: 0.855 ug/l

RT: 5.512 min Scan# 607

Delta R.T. -0.012 min

Lab File: VN083015.D

Acq: 23 Jul 2024 16:47

Instrument :

MSVOA_N

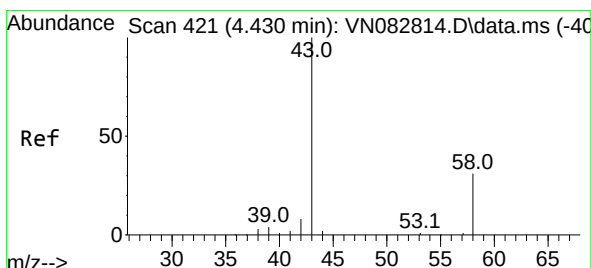
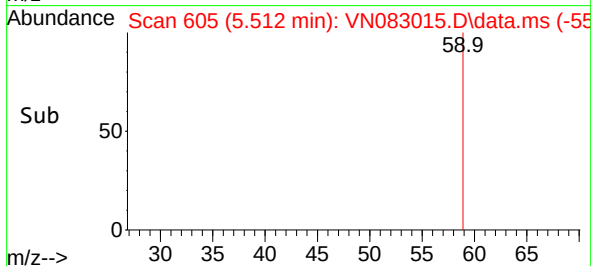
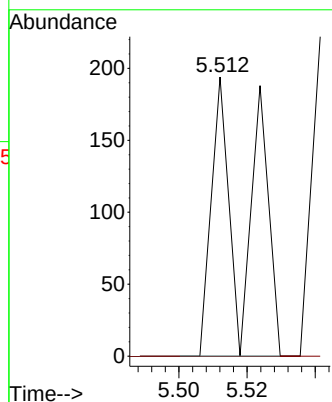
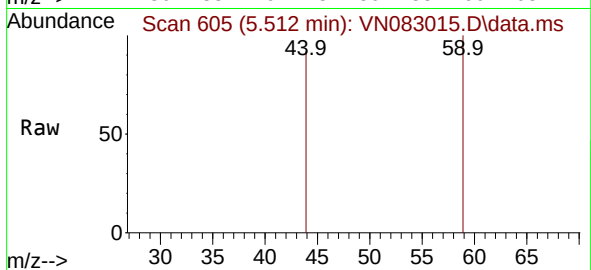
ClientSampleId :

Tgt Ion: 59 Resp: 135

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



#16

Acetone

Concen: 26.163 ug/l

RT: 4.442 min Scan# 423

Delta R.T. 0.012 min

Lab File: VN083015.D

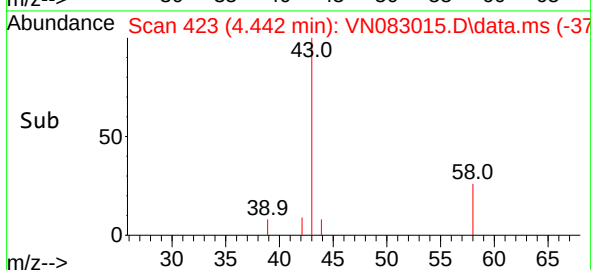
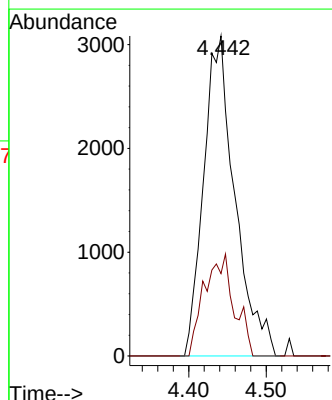
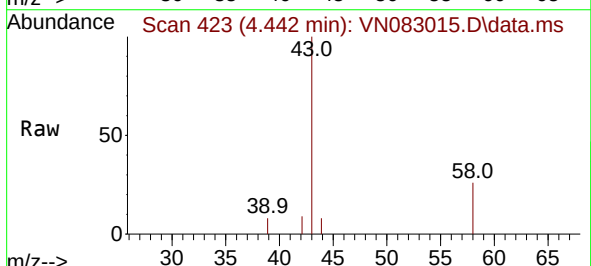
Acq: 23 Jul 2024 16:47

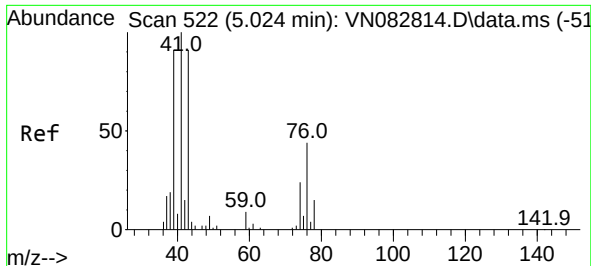
Tgt Ion: 43 Resp: 8646

Ion Ratio Lower Upper

43 100

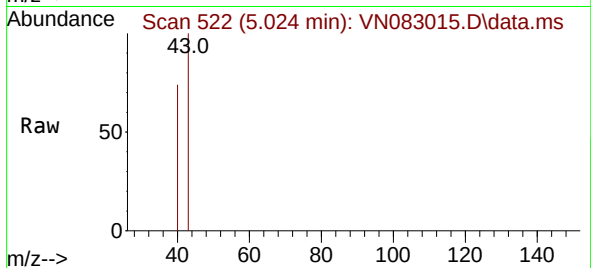
58 25.8 21.8 32.6



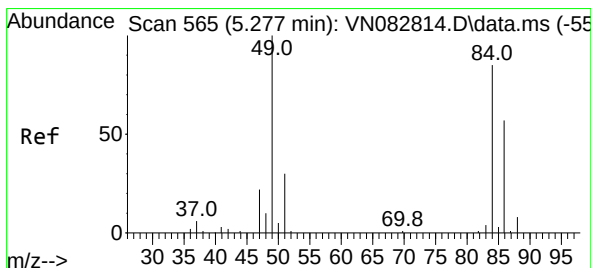
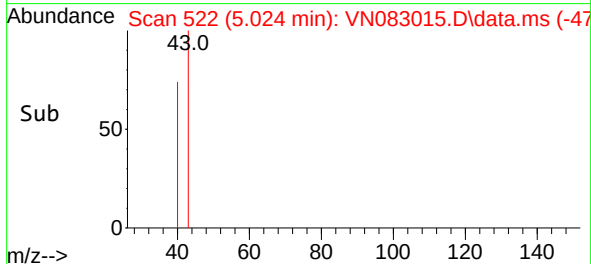
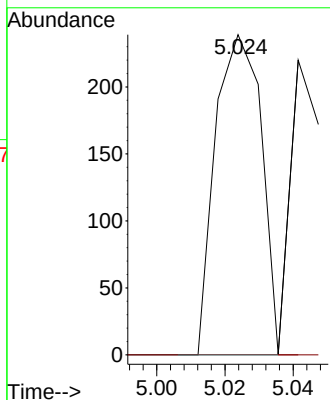


#18
Methyl Acetate
Concen: 0.255 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN083015.D
Acq: 23 Jul 2024 16:47

Instrument :
MSVOA_N
ClientSampleId :

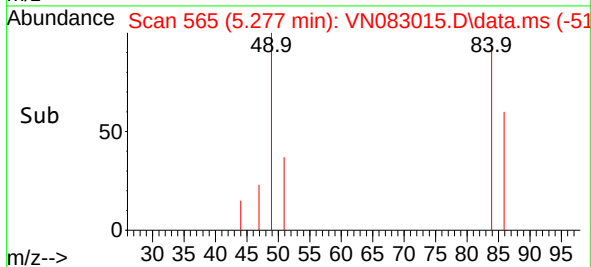
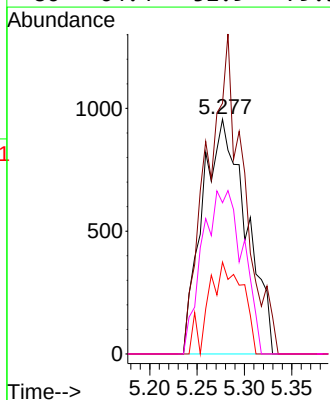
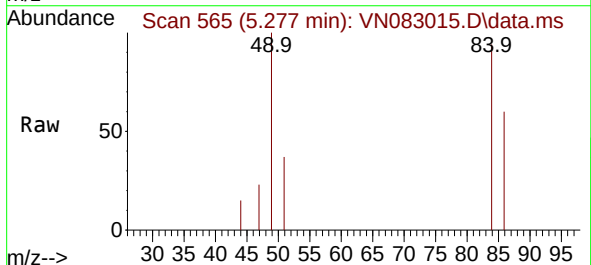


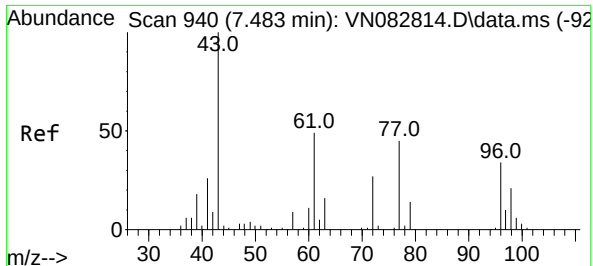
Tgt Ion: 43 Resp: 223
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#20
Methylene Chloride
Concen: 3.852 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN083015.D
Acq: 23 Jul 2024 16:47

Tgt Ion: 84 Resp: 3074
Ion Ratio Lower Upper
84 100
49 106.8 119.6 179.4#
51 39.1 34.8 52.2
86 64.4 52.9 79.3

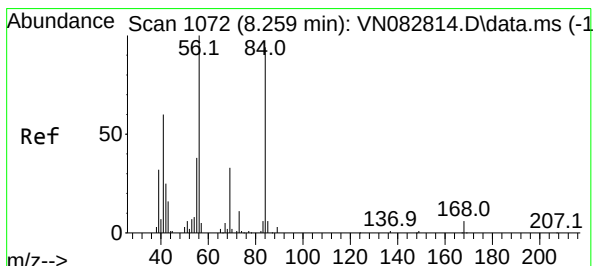
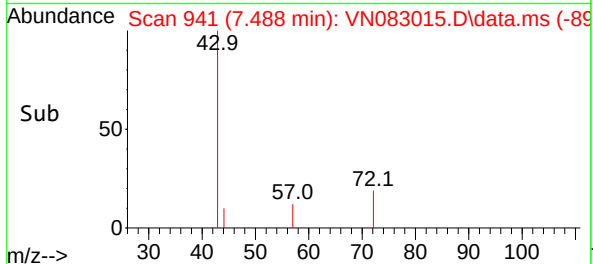
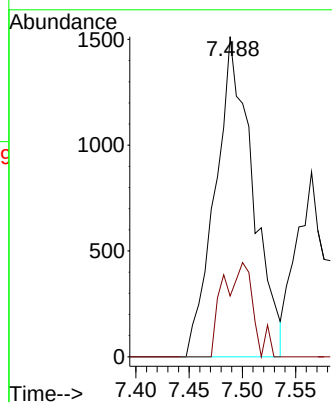
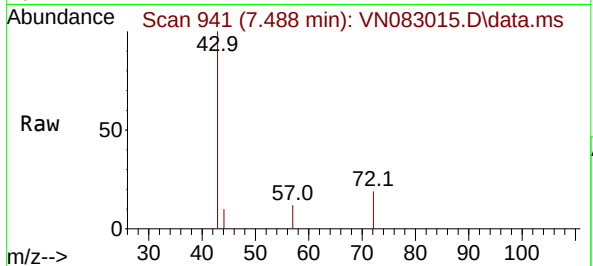




#25
2-Butanone
Concen: 7.389 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN083015.D
Acq: 23 Jul 2024 16:47

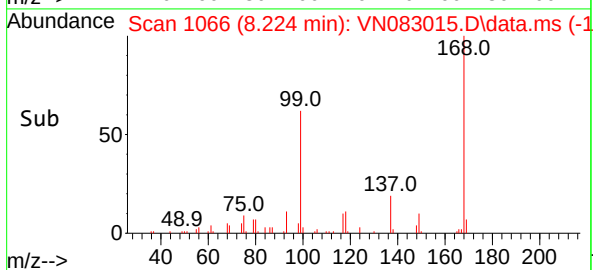
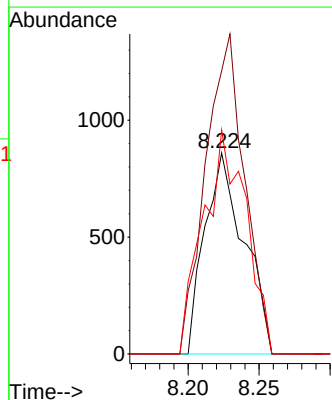
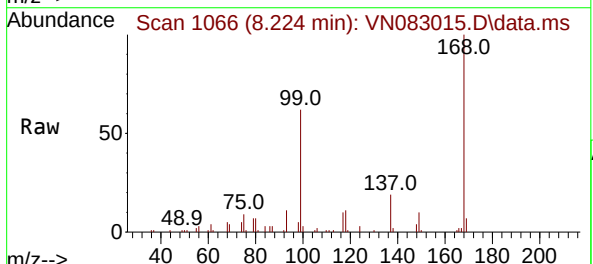
Instrument :
MSVOA_N
ClientSampleId :

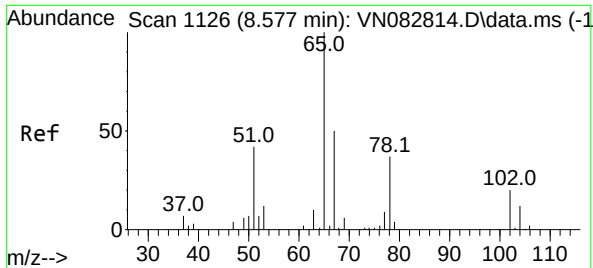
Tgt Ion: 43 Resp: 3687
Ion Ratio Lower Upper
43 100
72 19.0 18.2 27.2



#31
Cyclohexane
Concen: 1.352 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083015.D
Acq: 23 Jul 2024 16:47

Tgt Ion: 56 Resp: 1659
Ion Ratio Lower Upper
56 100
69 140.8 24.5 36.7#
84 111.4 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 57.710 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN083015.D

Acq: 23 Jul 2024 16:47

Instrument :

MSVOA_N

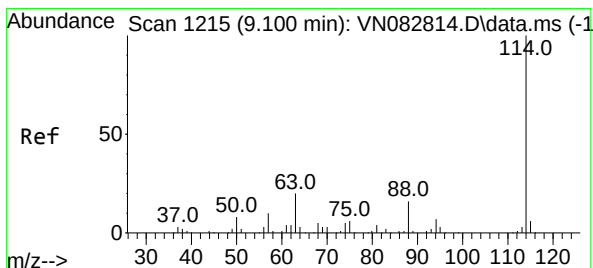
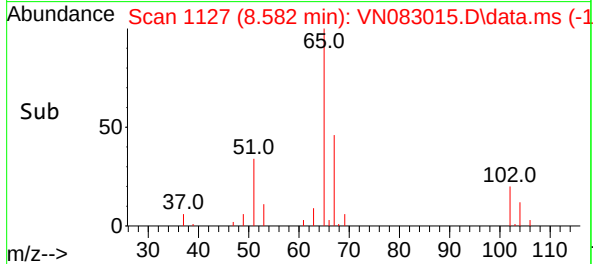
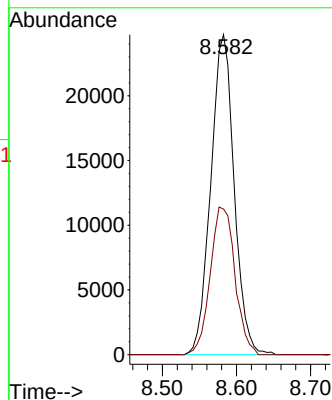
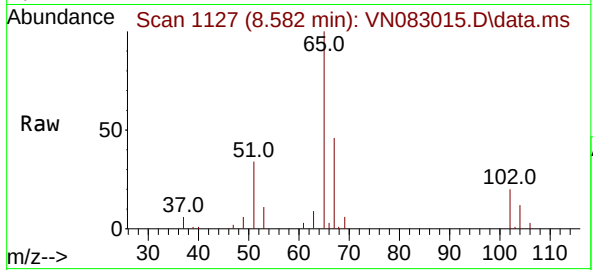
ClientSampleId :

Tgt Ion: 65 Resp: 54169

Ion Ratio Lower Upper

65 100

67 48.9 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN083015.D

Acq: 23 Jul 2024 16:47

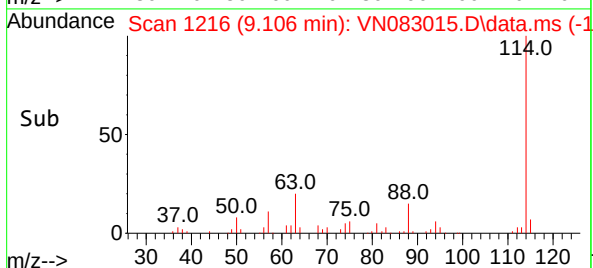
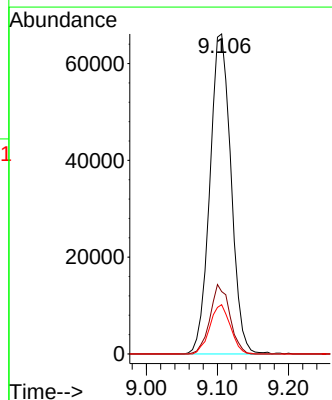
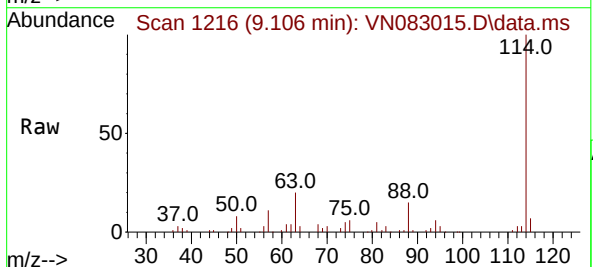
Tgt Ion: 114 Resp: 136583

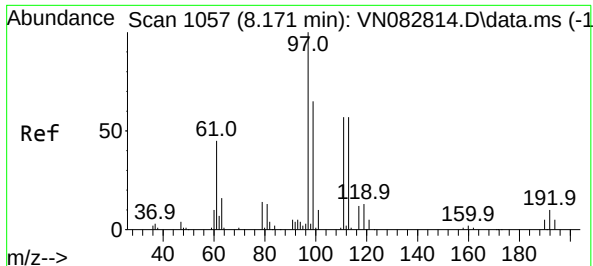
Ion Ratio Lower Upper

114 100

63 19.5 0.0 44.6

88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.766 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083015.D

Acq: 23 Jul 2024 16:47

Instrument :

MSVOA_N

ClientSampleId :

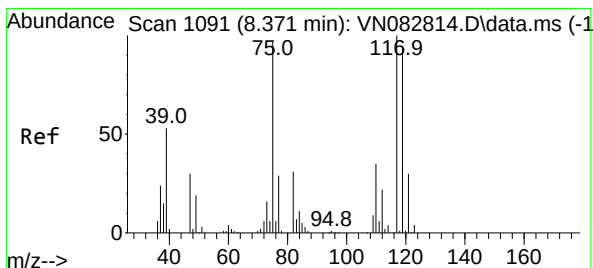
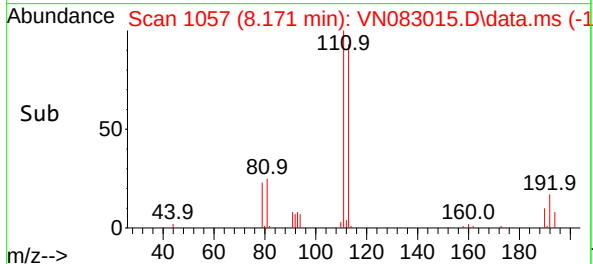
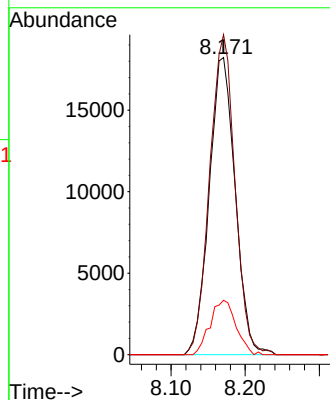
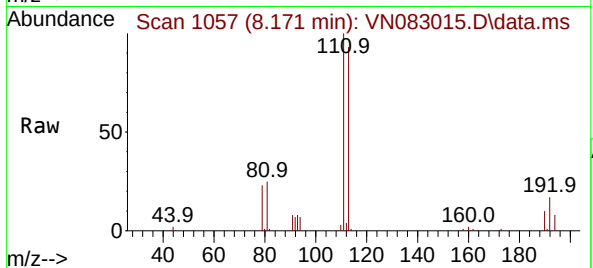
Tgt Ion:113 Resp: 44492

Ion Ratio Lower Upper

113 100

111 104.5 82.4 123.6

192 18.3 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.712 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083015.D

Acq: 23 Jul 2024 16:47

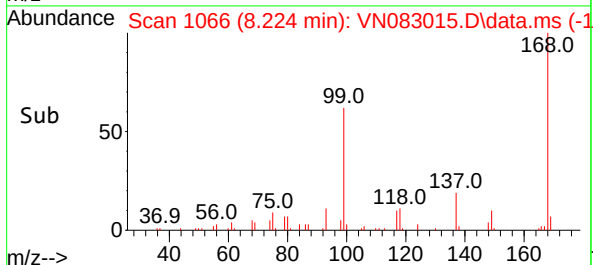
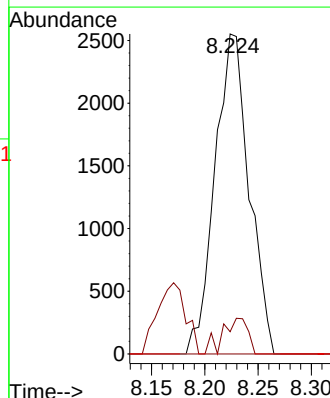
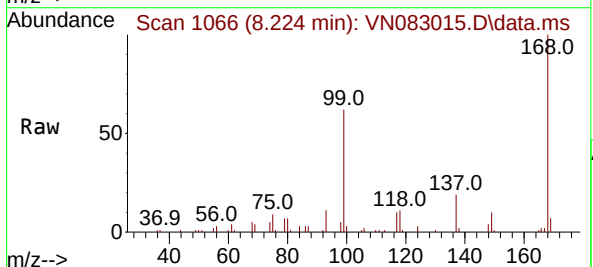
Tgt Ion: 75 Resp: 5694

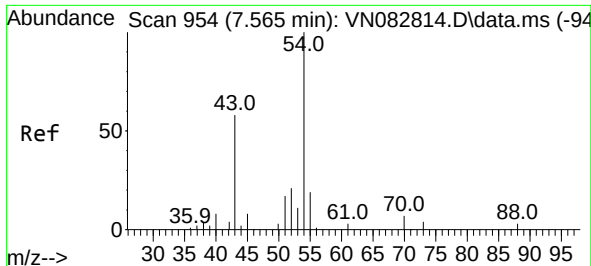
Ion Ratio Lower Upper

75 100

110 8.2 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.466 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.000 min

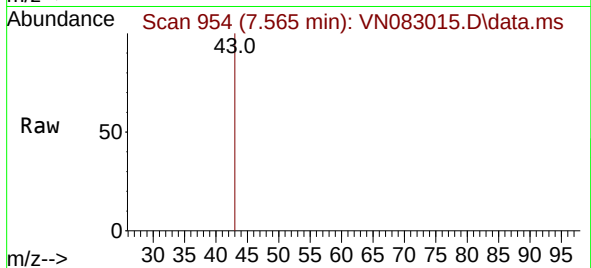
Lab File: VN083015.D

Acq: 23 Jul 2024 16:47

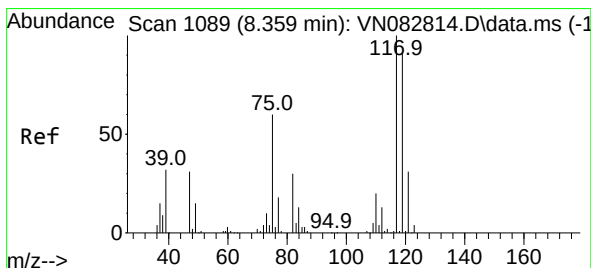
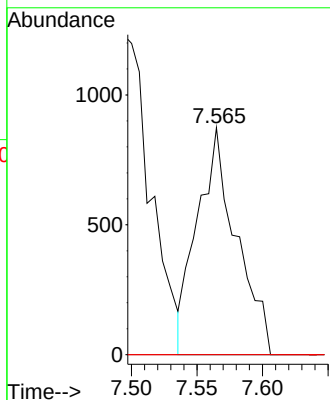
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	1803
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.3	13.9#
70	0.0	7.0	10.6#



#38

Carbon Tetrachloride

Concen: 5.105 ug/l

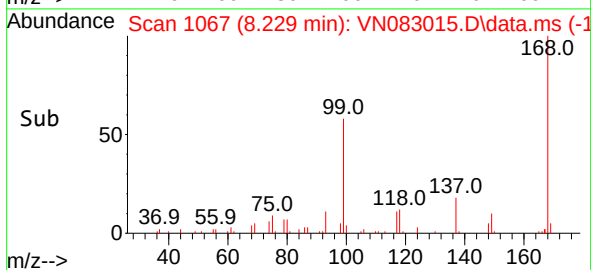
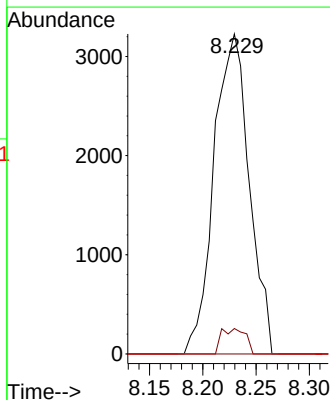
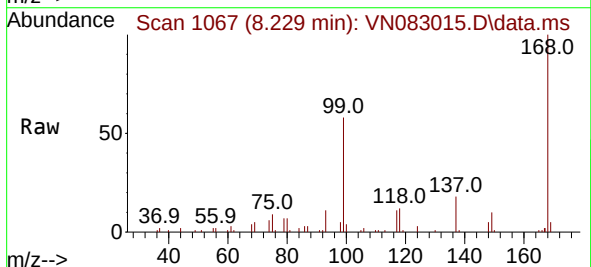
RT: 8.229 min Scan# 1067

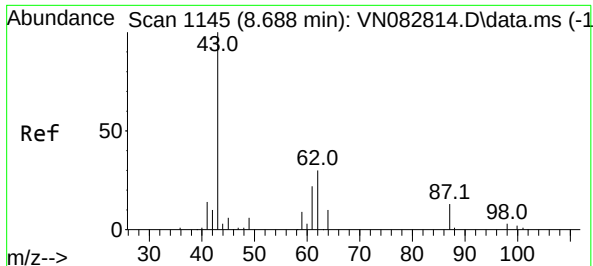
Delta R.T. -0.136 min

Lab File: VN083015.D

Acq: 23 Jul 2024 16:47

Tgt Ion:	117	Resp:	7427
Ion	Ratio	Lower	Upper
117	100		
119	7.9	74.9	112.3#
121	0.0	24.3	36.5#

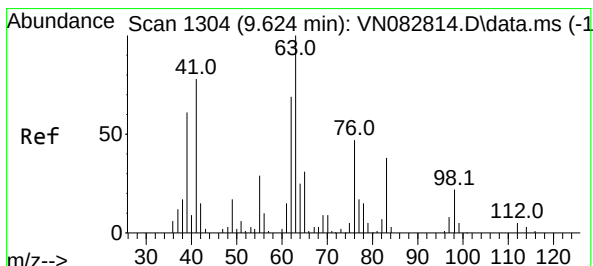
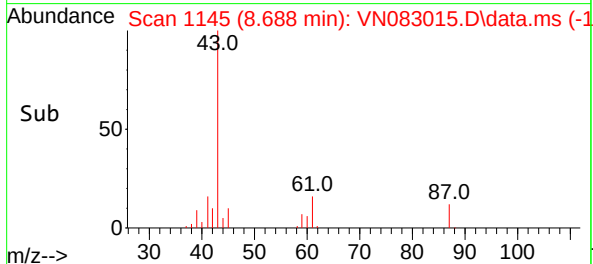
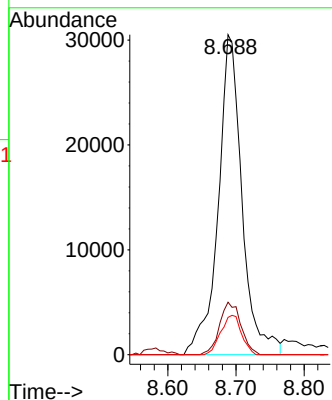
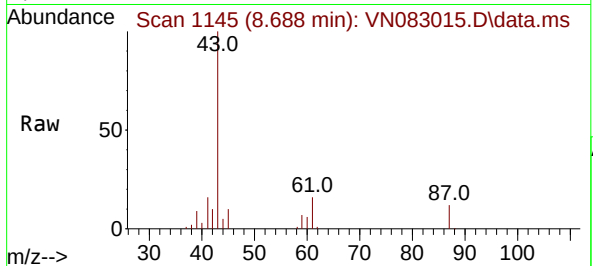




#43
Isopropyl Acetate
Concen: 30.846 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN083015.D
Acq: 23 Jul 2024 16:47

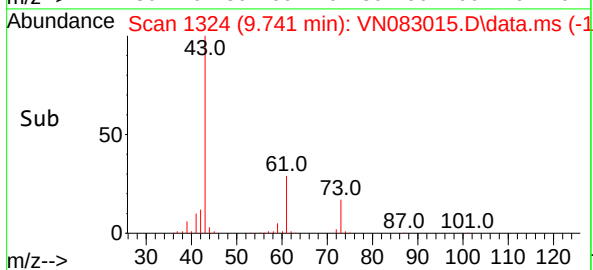
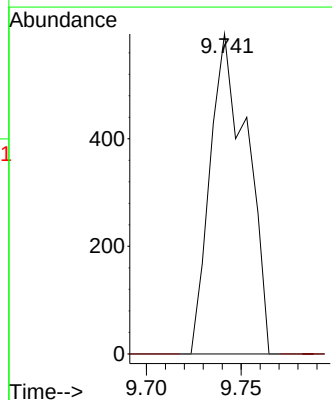
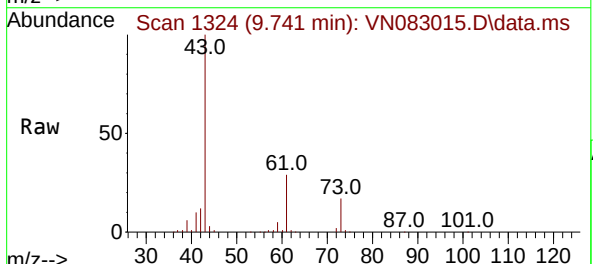
Instrument :
MSVOA_N
ClientSampleId :

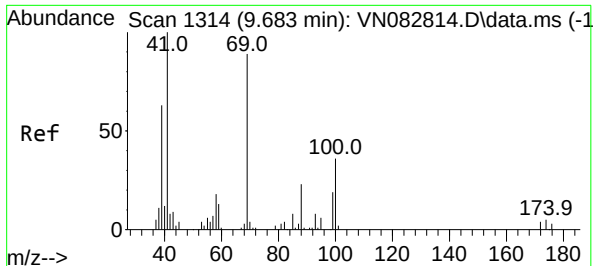
Tgt Ion: 43 Resp: 74189
Ion Ratio Lower Upper
43 100
61 14.8 17.8 26.6#
87 10.7 8.2 12.2



#45
1,2-Dichloropropane
Concen: 0.933 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN083015.D
Acq: 23 Jul 2024 16:47

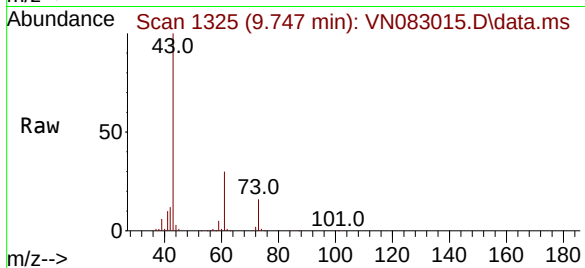
Tgt Ion: 63 Resp: 810
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



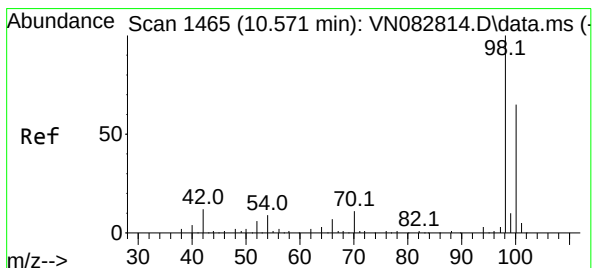
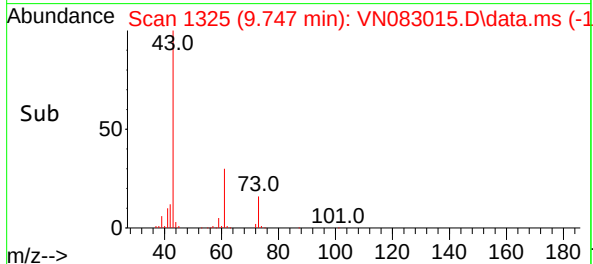
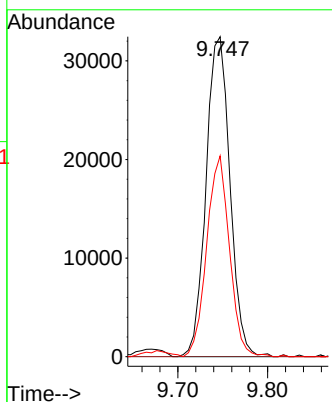


#48
Methyl methacrylate
Concen: 62.282 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN083015.D
Acq: 23 Jul 2024 16:47

Instrument :
MSVOA_N
ClientSampleId :

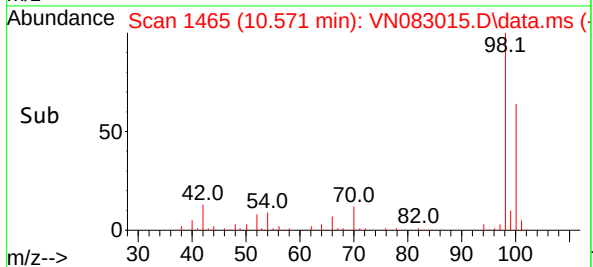
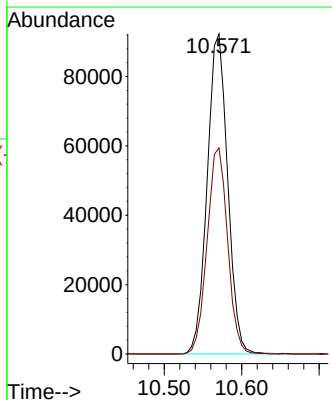
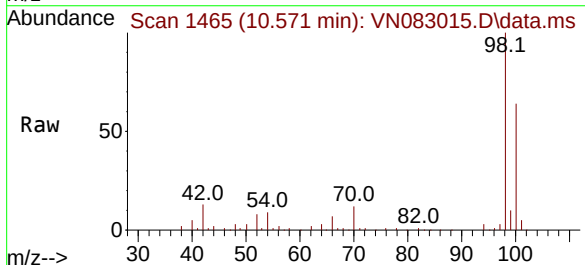


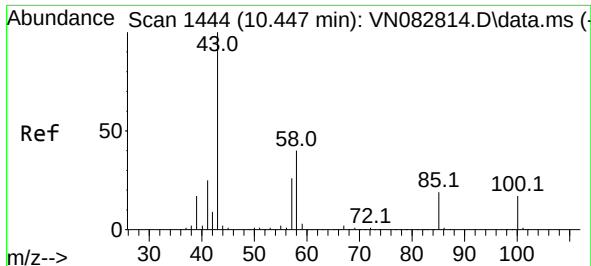
Tgt Ion: 41 Resp: 60079
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 59.7 50.3 75.5



#50
Toluene-d8
Concen: 52.284 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN083015.D
Acq: 23 Jul 2024 16:47

Tgt Ion: 98 Resp: 169246
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3

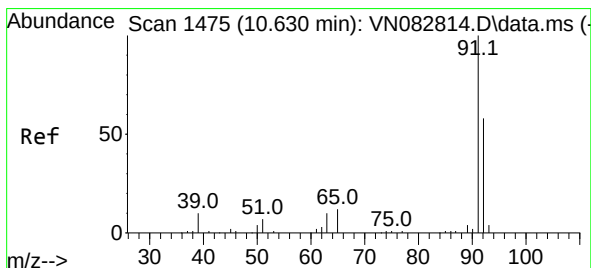
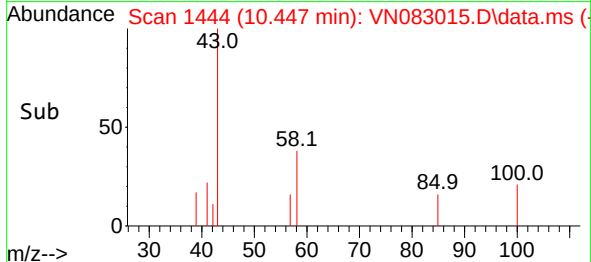
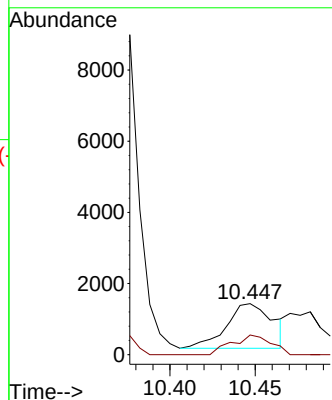
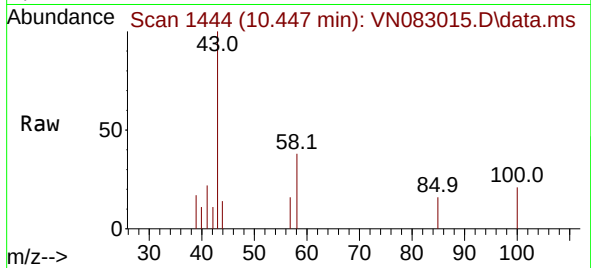




#51
4-Methyl-2-Pentanone
Concen: 1.957 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083015.D
Acq: 23 Jul 2024 16:47

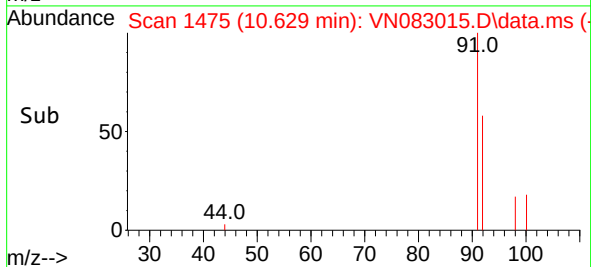
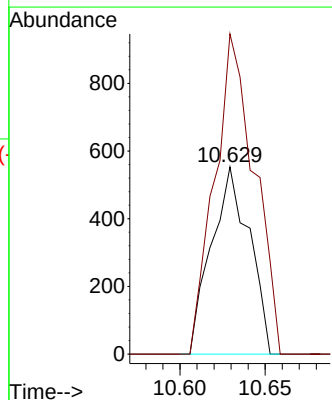
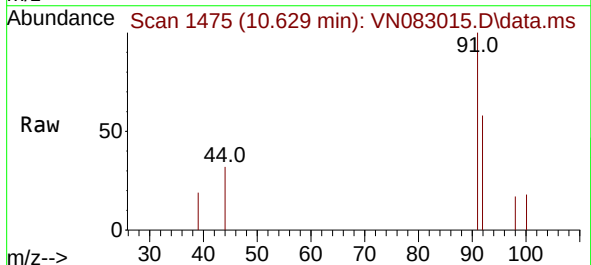
Instrument :
MSVOA_N
ClientSampleId :

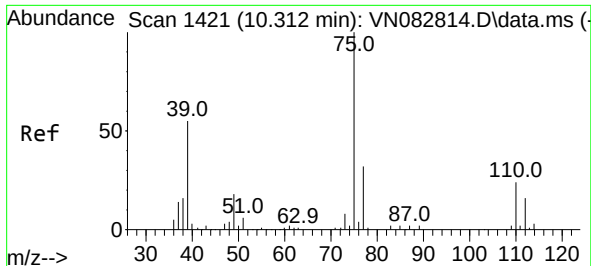
Tgt Ion: 43 Resp: 2387
Ion Ratio Lower Upper
43 100
58 37.2 28.2 42.4



#52
Toluene
Concen: 0.369 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN083015.D
Acq: 23 Jul 2024 16:47

Tgt Ion: 92 Resp: 856
Ion Ratio Lower Upper
92 100
91 179.8 139.4 209.0

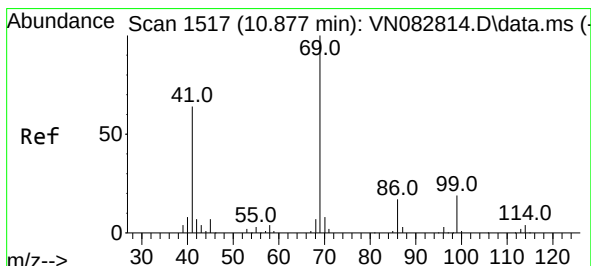
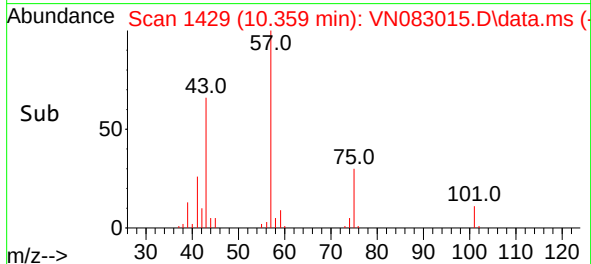
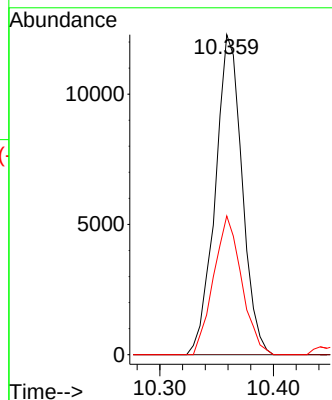
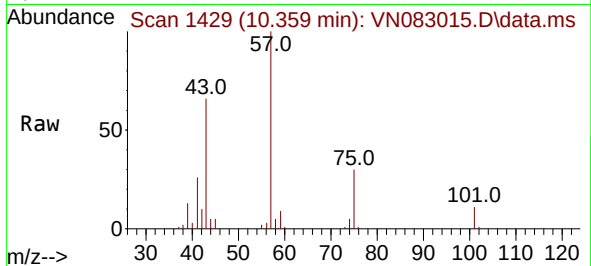




#54
cis-1,3-Dichloropropene
Concen: 13.245 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN083015.D
Acq: 23 Jul 2024 16:47

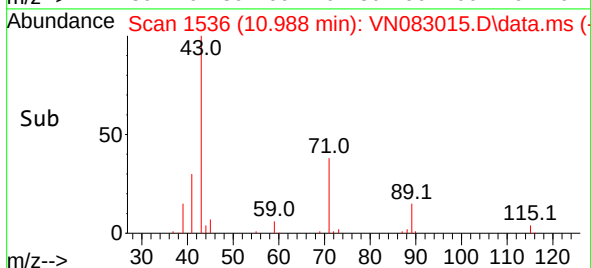
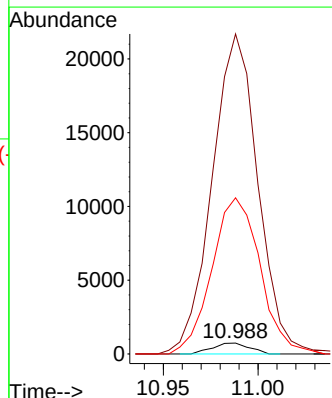
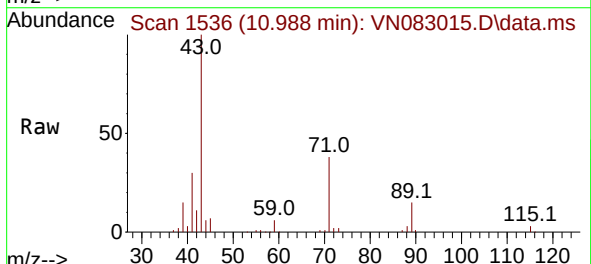
Instrument :
MSVOA_N
ClientSampleId :

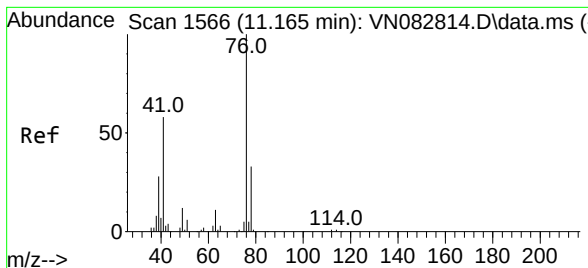
Tgt Ion: 75 Resp: 20174
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 43.4 50.5 75.7#



#56
Ethyl methacrylate
Concen: 0.760 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN083015.D
Acq: 23 Jul 2024 16:47

Tgt Ion: 69 Resp: 1009
Ion Ratio Lower Upper
69 100
41 3628.8 63.4 95.2#
39 1859.9 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.882 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN083015.D

Acq: 23 Jul 2024 16:47

Instrument :

MSVOA_N

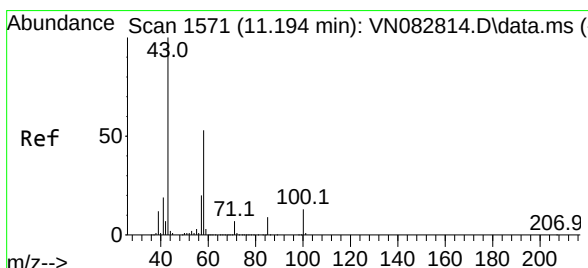
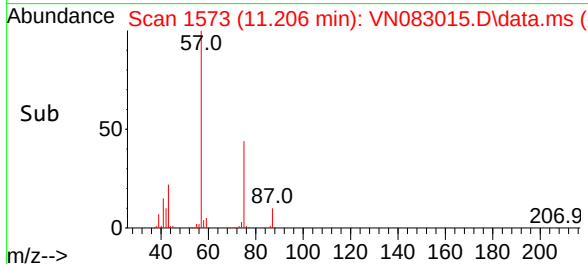
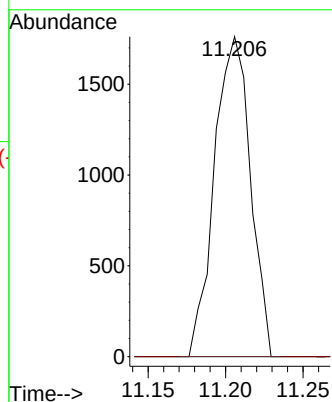
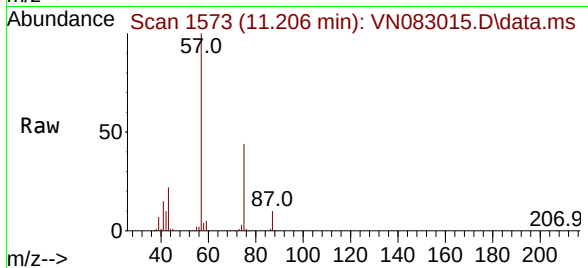
ClientSampleId :

Tgt Ion: 76 Resp: 2844

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 45.594 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN083015.D

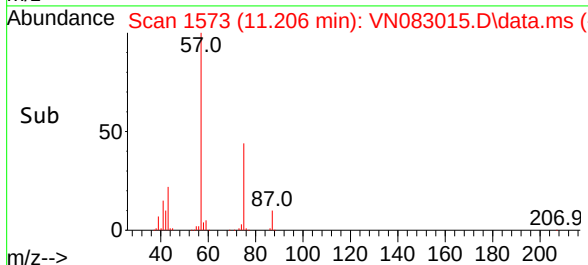
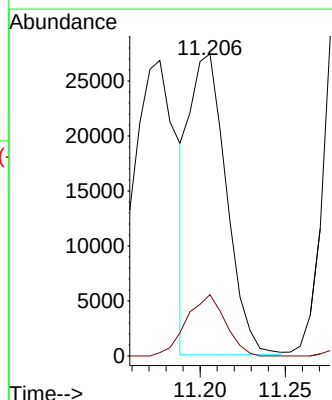
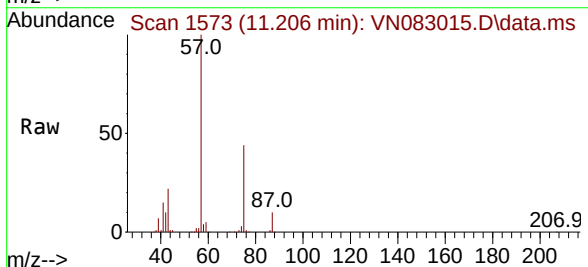
Acq: 23 Jul 2024 16:47

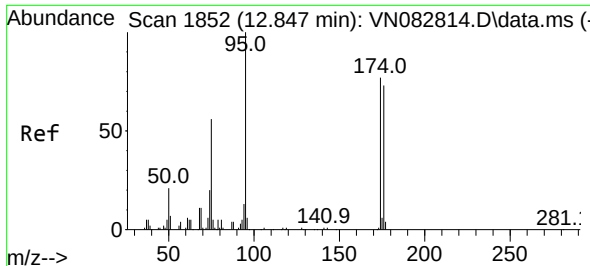
Tgt Ion: 43 Resp: 41343

Ion Ratio Lower Upper

43 100

58 21.3 24.6 73.8#

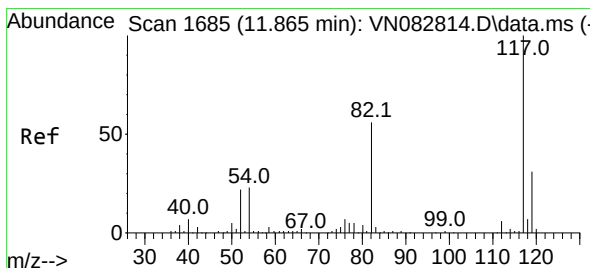
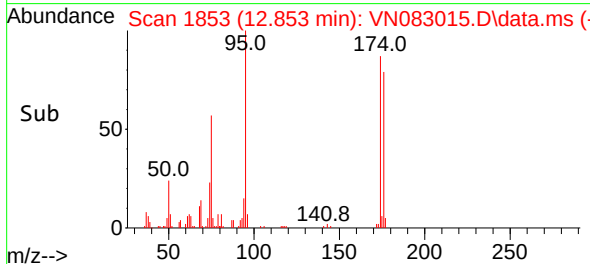
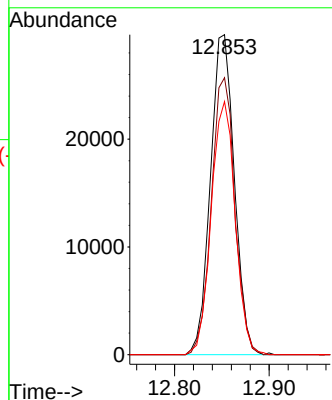
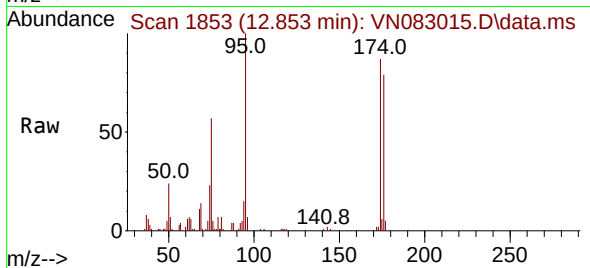




#62
4-Bromofluorobenzene
Concen: 44.845 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083015.D
Acq: 23 Jul 2024 16:47

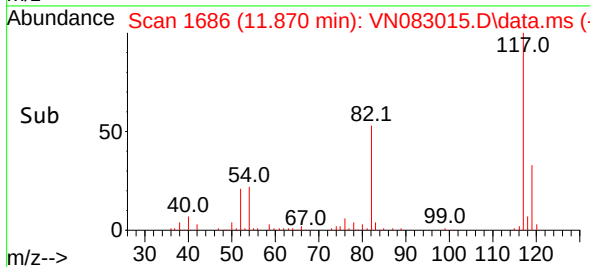
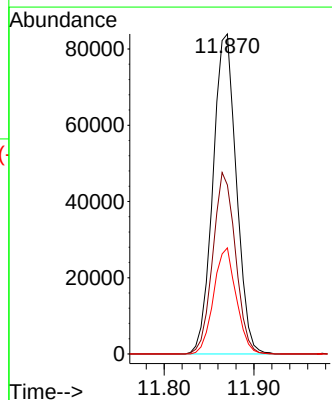
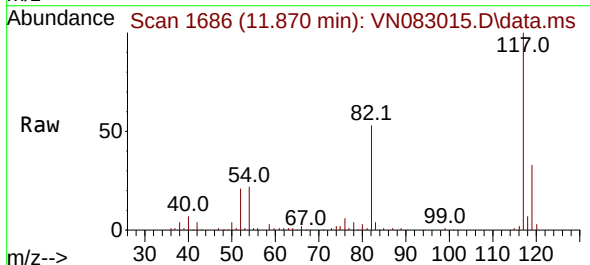
Instrument :
MSVOA_N
ClientSampleId :

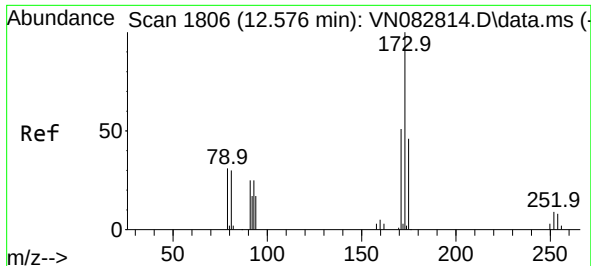
Tgt Ion: 95 Resp: 52144
Ion Ratio Lower Upper
95 100
174 85.2 0.0 159.2
176 79.1 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN083015.D
Acq: 23 Jul 2024 16:47

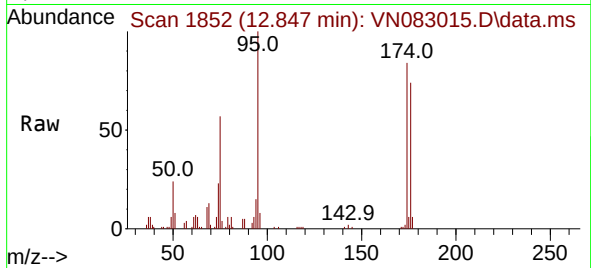
Tgt Ion: 117 Resp: 151986
Ion Ratio Lower Upper
117 100
82 52.8 47.5 71.3
119 33.2 25.6 38.4



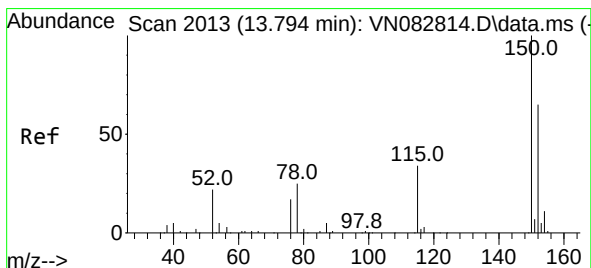
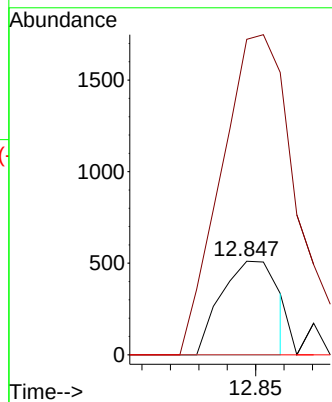
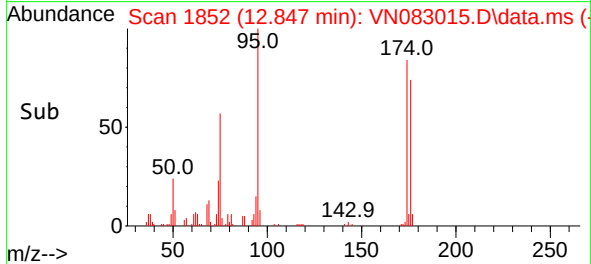


#71
Bromoform
Concen: 0.782 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN083015.D
Acq: 23 Jul 2024 16:47

Instrument :
MSVOA_N
ClientSampleId :

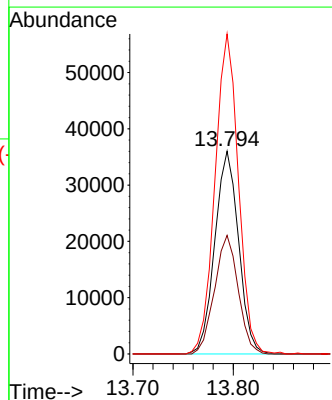
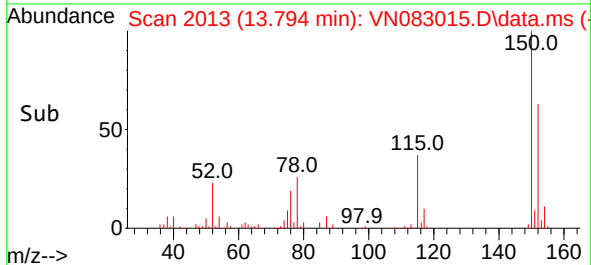
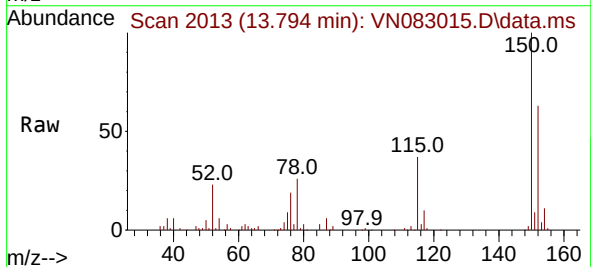


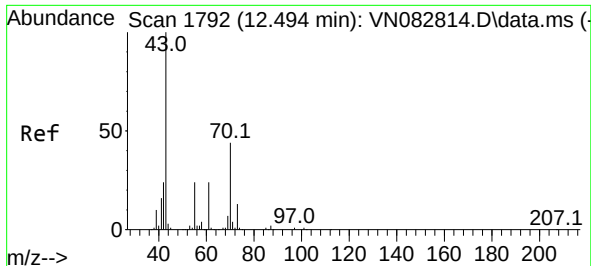
Tgt Ion:173 Resp: 712
Ion Ratio Lower Upper
173 100
175 366.6 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN083015.D
Acq: 23 Jul 2024 16:47

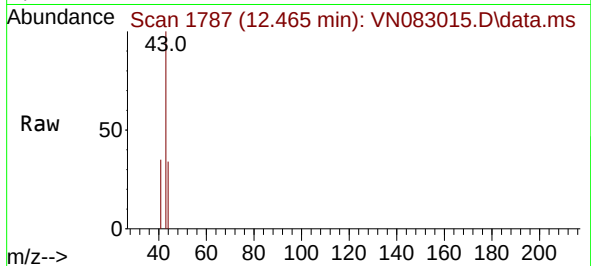
Tgt Ion:152 Resp: 59119
Ion Ratio Lower Upper
152 100
115 58.2 30.6 91.6
150 155.3 0.0 348.6



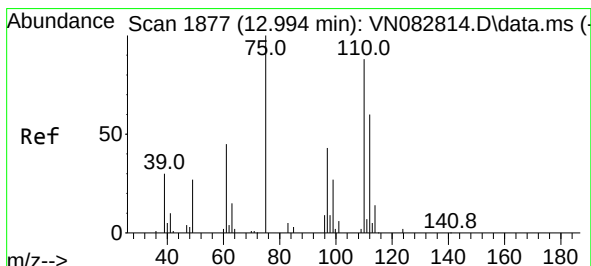
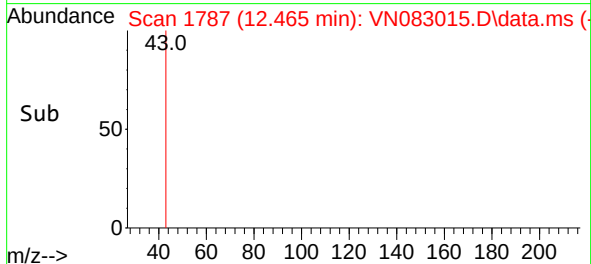
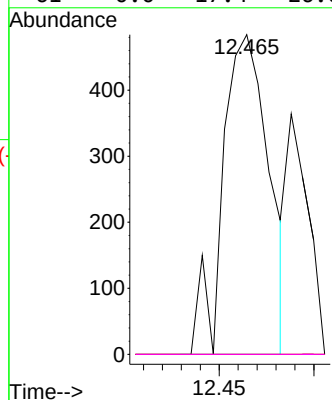


#74
N-amy1 acetate
Concen: 0.460 ug/l
RT: 12.465 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN083015.D
Acq: 23 Jul 2024 16:47

Instrument :
MSVOA_N
ClientSampleId :

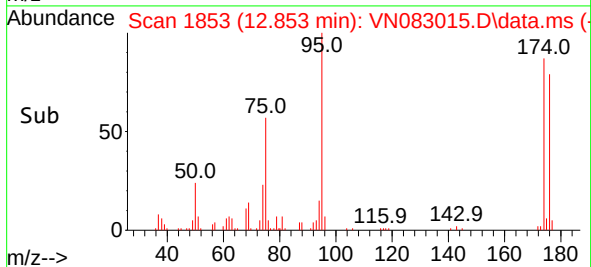
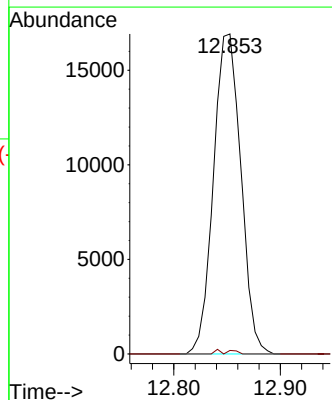
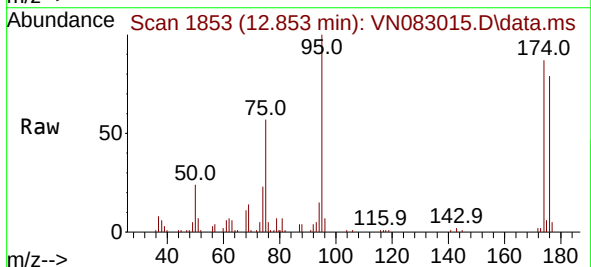


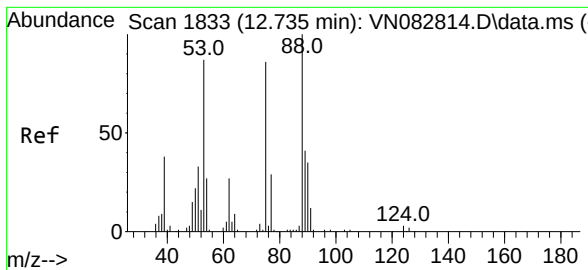
Tgt Ion:	43	Resp:	817
Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.8	44.6#
55	0.0	18.7	28.1#
61	0.0	17.4	26.0#



#76
1,2,3-Trichloropropane
Concen: 29.649 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN083015.D
Acq: 23 Jul 2024 16:47

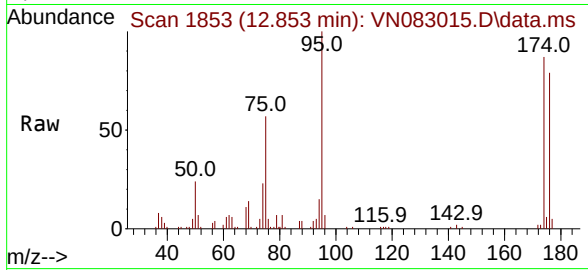
Tgt Ion:	75	Resp:	30220
Ion	Ratio	Lower	Upper
75	100		
77	0.3	110.9	332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.312 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083015.D
 Acq: 23 Jul 2024 16:47

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 30220
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.4 132.6#
 89 0.0 36.3 54.5#

