

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN073024\
 Data File : VN083073.D
 Acq On : 30 Jul 2024 17:26
 Operator : JC\MD
 Sample : PB162324ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 31 06:05:05 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)

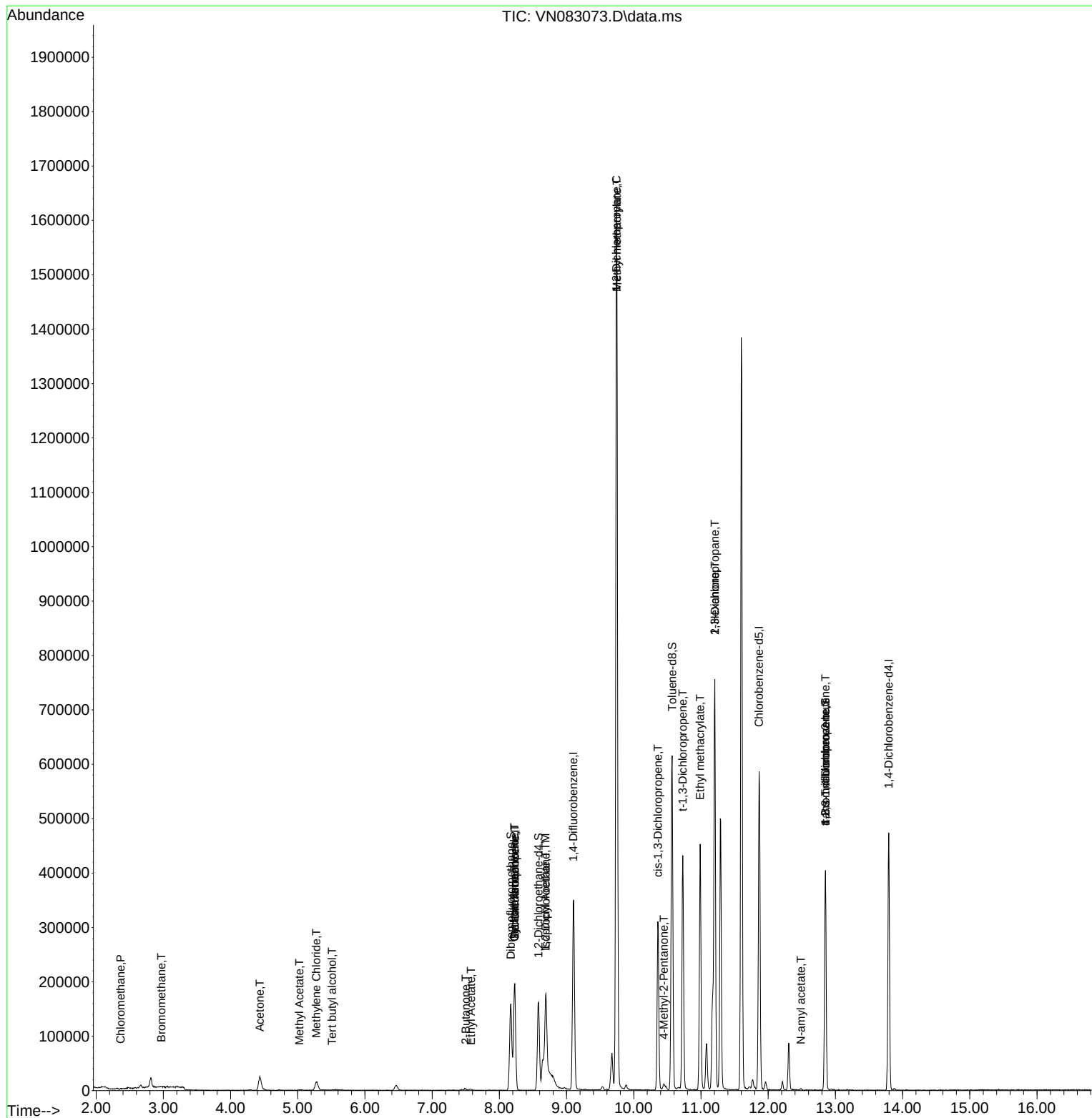
Internal Standards						
1) Pentafluorobenzene	8.229	168	131338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	286782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	326642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	134113	72.844	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 145.680%#		
35) Dibromofluoromethane	8.171	113	109331	59.412	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 118.820%		
50) Toluene-d8	10.570	98	407643	59.976	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 119.960%#		
62) 4-Bromofluorobenzene	12.853	95	122367	50.120	ug/l	0.00
Spiked Amount	50.000	Range 64 - 133	Recovery	= 100.240%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	612	0.380	ug/l #	84
5) Bromomethane	2.971	94	628	0.514	ug/l	82
11) Tert butyl alcohol	5.512	59	171	0.552	ug/l #	71
16) Acetone	4.436	43	47568	73.385	ug/l	90
18) Methyl Acetate	5.024	43	1367	0.797	ug/l #	85
20) Methylene Chloride	5.277	84	11605	7.413	ug/l #	82
25) 2-Butanone	7.500	43	4951	5.058	ug/l	97
31) Cyclohexane	8.224	56	3706	1.540	ug/l #	62
36) 1,1-Dichloropropene	8.229	75	12664	4.991	ug/l #	50
37) Ethyl Acetate	7.577	43	3692	1.429	ug/l #	74
38) Carbon Tetrachloride	8.224	117	14229	4.658	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1213	0.432	ug/l #	78
43) Isopropyl Acetate	8.688	43	268145	55.373	ug/l #	83
45) 1,2-Dichloropropane	9.741	63	1998	1.097	ug/l #	44
48) Methyl methacrylate	9.747	41	157683	77.852	ug/l #	54
51) 4-Methyl-2-Pentanone	10.447	43	6988	2.729	ug/l	96
53) t-1,3-Dichloropropene	10.729	75	892	0.295	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	50234	15.707	ug/l #	66
56) Ethyl methacrylate	10.988	69	3062	1.098	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7212	2.273	ug/l #	43
59) 2-Hexanone	11.206	43	102825	54.007	ug/l #	58
74) N-amyl acetate	12.488	43	1165	0.324	ug/l #	49
76) 1,2,3-Trichloropropane	12.853	75	70882	34.397	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	70882	67.650	ug/l #	6

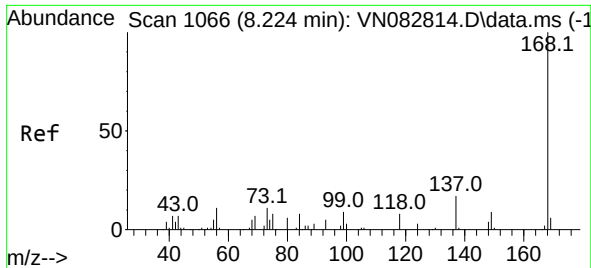
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

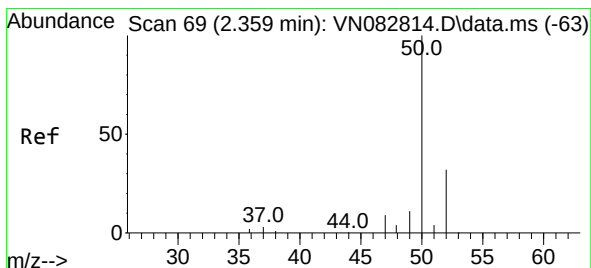
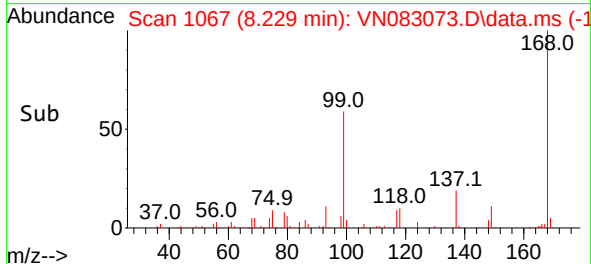
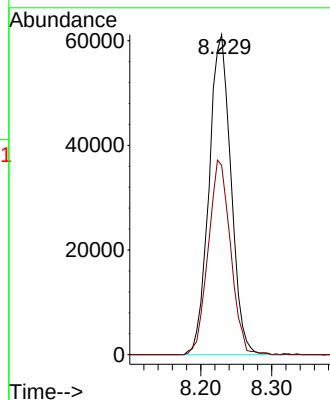
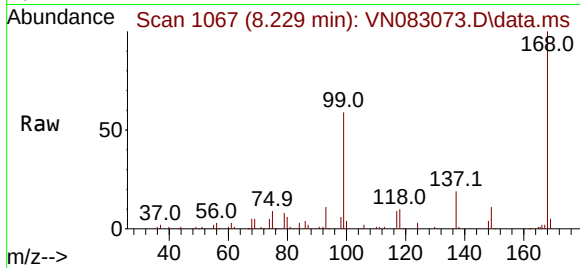




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

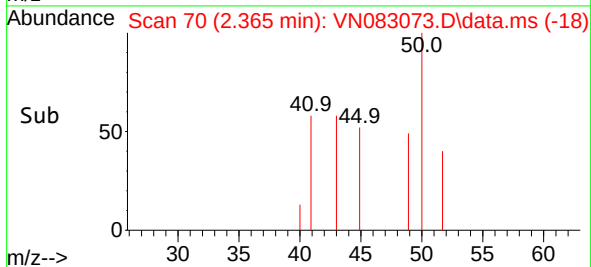
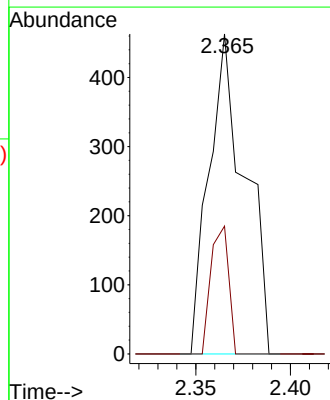
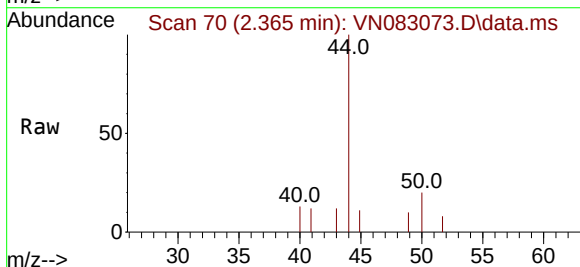
Instrument :
MSVOA_N
ClientSampleId :

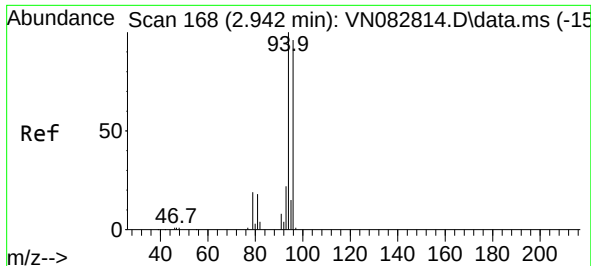
Tgt Ion:168 Resp: 131338
Ion Ratio Lower Upper
168 100
99 59.2 48.2 72.4



#3
Chloromethane
Concen: 0.380 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

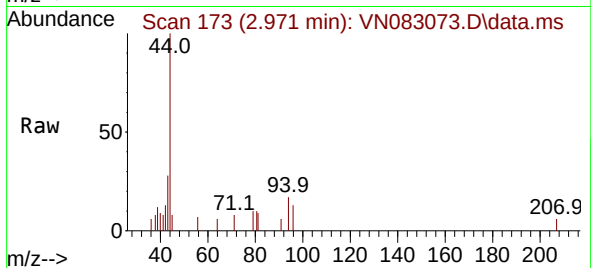
Tgt Ion: 50 Resp: 612
Ion Ratio Lower Upper
50 100
52 40.0 25.0 37.4#



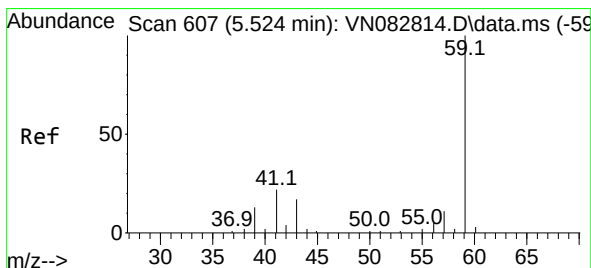
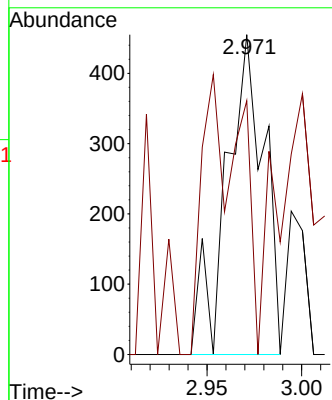
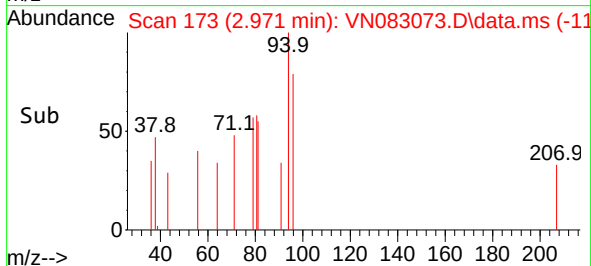


#5
Bromomethane
Concen: 0.514 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

Instrument :
MSVOA_N
ClientSampleId :

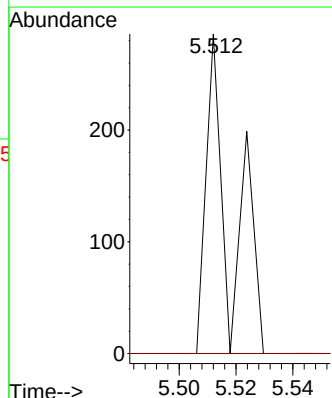
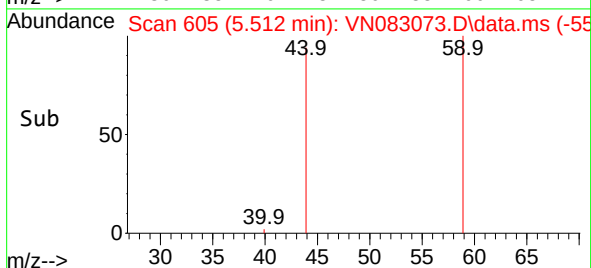
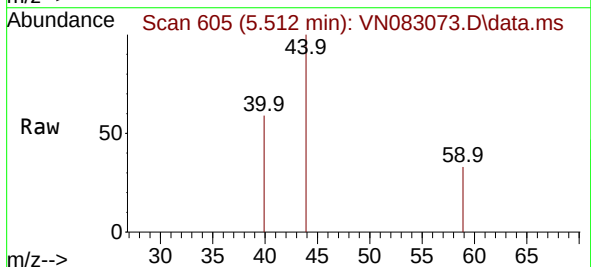


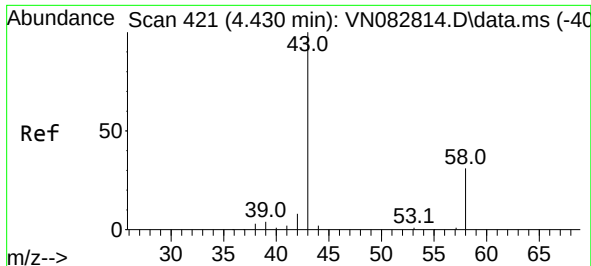
Tgt Ion: 94 Resp: 628
Ion Ratio Lower Upper
94 100
96 79.3 78.0 117.0



#11
Tert butyl alcohol
Concen: 0.552 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

Tgt Ion: 59 Resp: 171
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

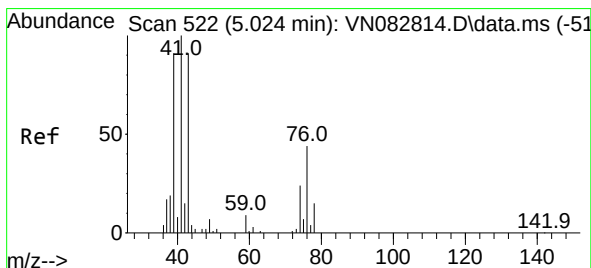
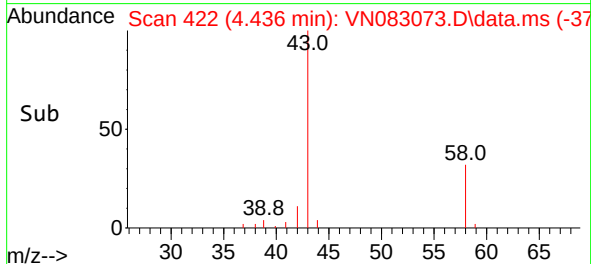
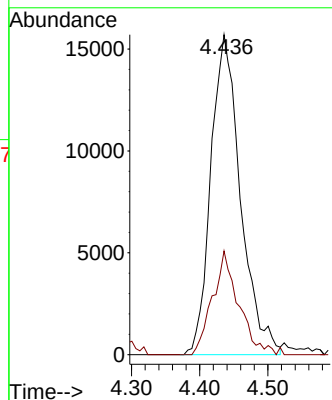
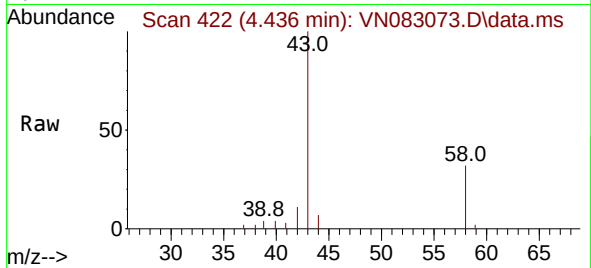




#16
Acetone
Concen: 73.385 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

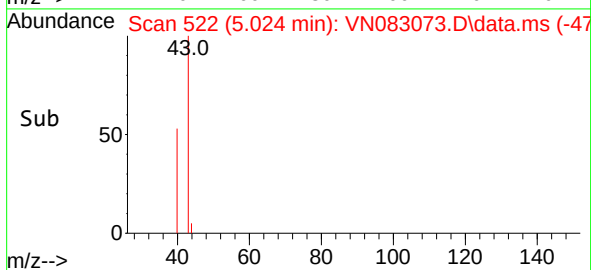
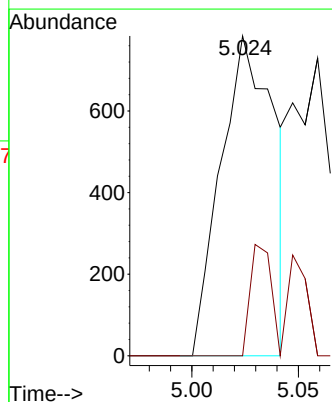
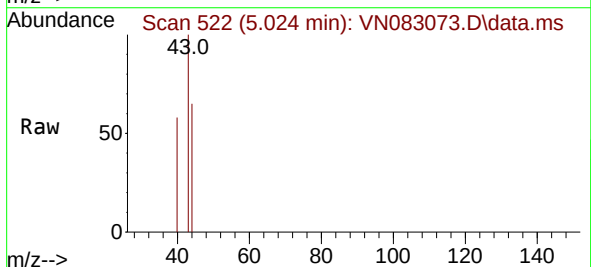
Instrument :
MSVOA_N
ClientSampleId :

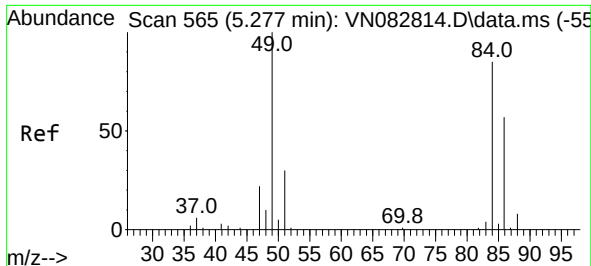
Tgt Ion: 43 Resp: 47568
Ion Ratio Lower Upper
43 100
58 32.4 21.8 32.6



#18
Methyl Acetate
Concen: 0.797 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.006 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

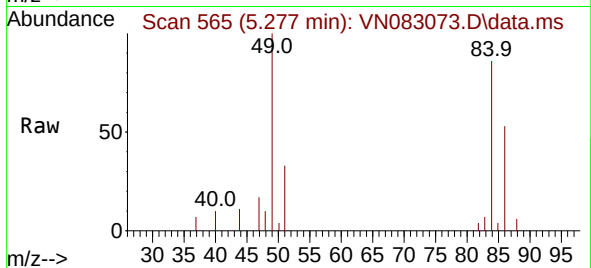
Tgt Ion: 43 Resp: 1367
Ion Ratio Lower Upper
43 100
74 13.5 16.3 24.5#





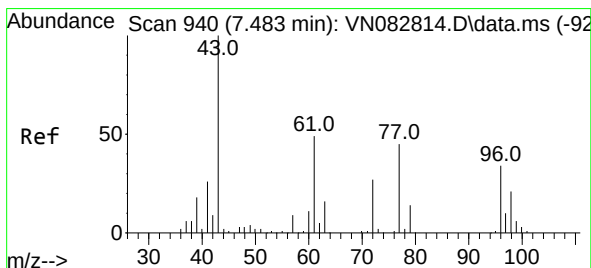
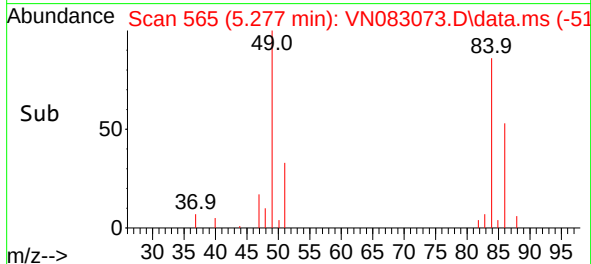
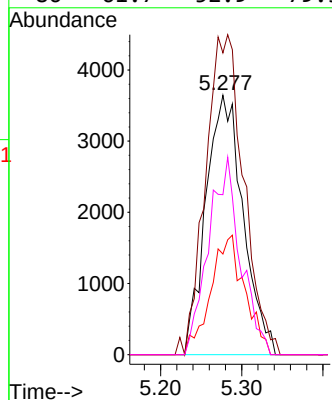
#20
Methylene Chloride
Concen: 7.413 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 11605

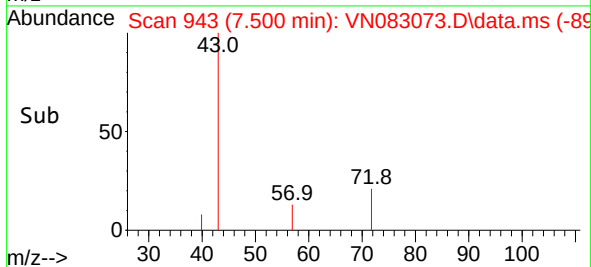
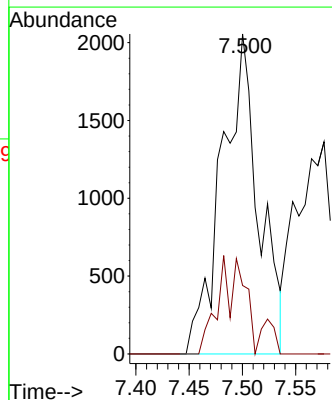
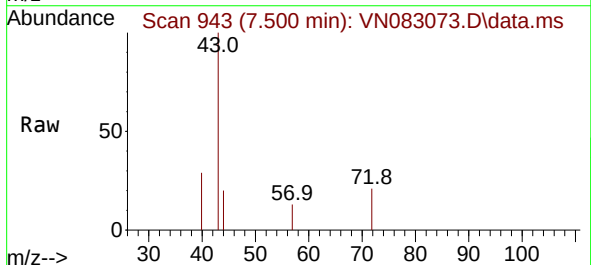
Ion	Ratio	Lower	Upper
84	100		
49	116.3	119.6	179.4#
51	38.8	34.8	52.2
86	61.7	52.9	79.3

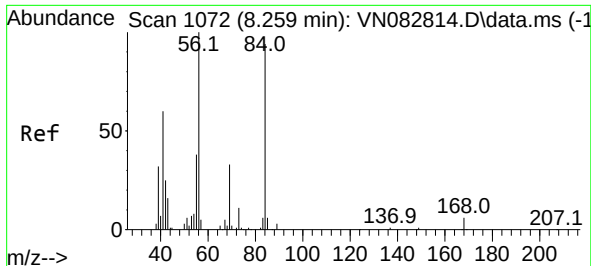


#25
2-Butanone
Concen: 5.058 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

Tgt Ion: 43 Resp: 4951

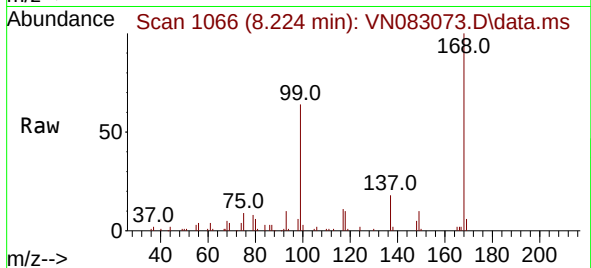
Ion	Ratio	Lower	Upper
43	100		
72	21.4	18.2	27.2



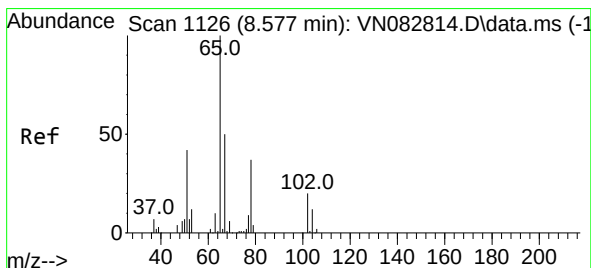
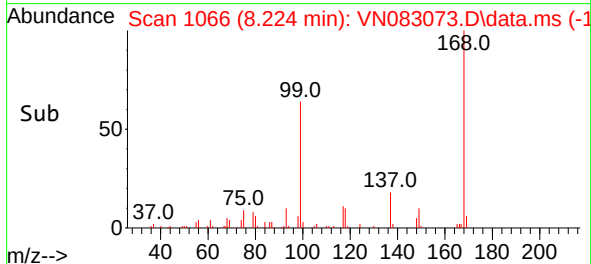
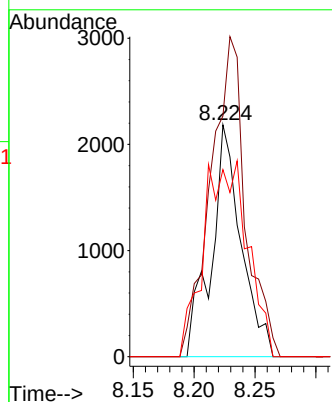


#31
Cyclohexane
Concen: 1.540 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

Instrument :
MSVOA_N
ClientSampleId :

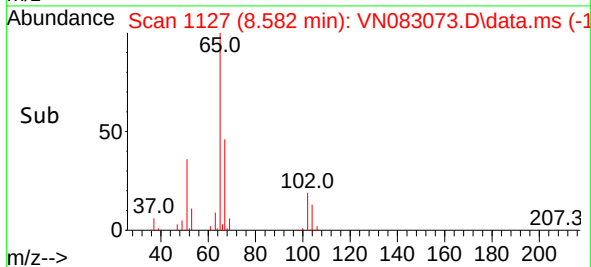
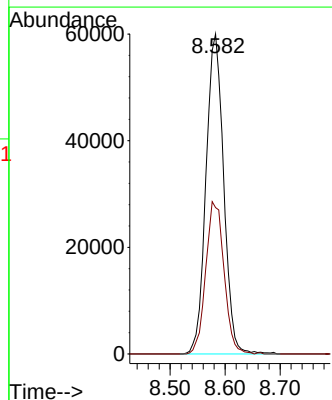
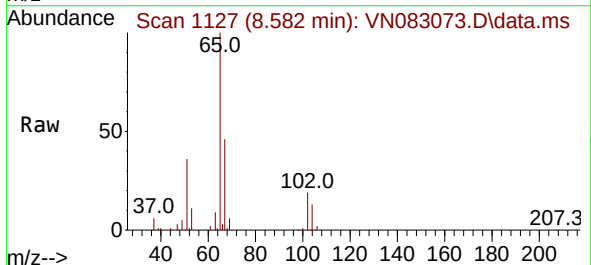


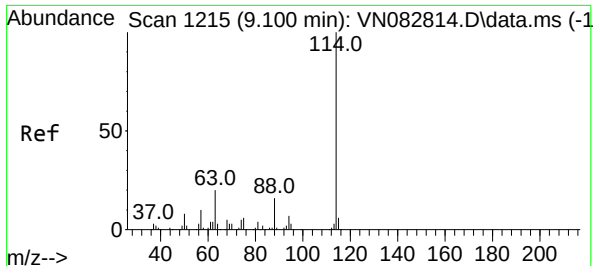
Tgt Ion: 56 Resp: 3706
Ion Ratio Lower Upper
56 100
69 103.8 24.5 36.7#
84 80.7 66.0 99.0



#33
1,2-Dichloroethane-d4
Concen: 72.844 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

Tgt Ion: 65 Resp: 134113
Ion Ratio Lower Upper
65 100
67 49.2 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN083073.D

Acq: 30 Jul 2024 17:26

Instrument :

MSVOA_N

ClientSampleId :

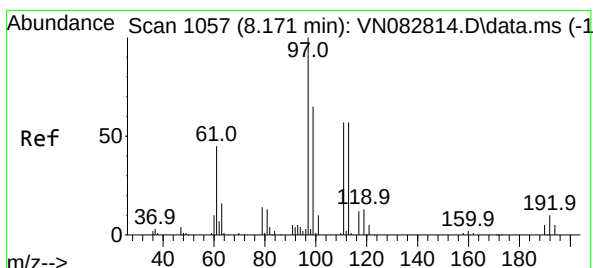
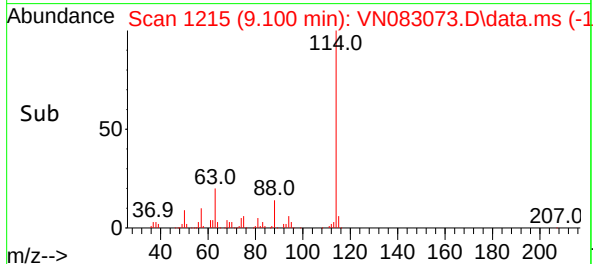
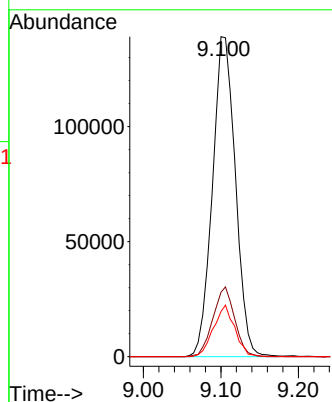
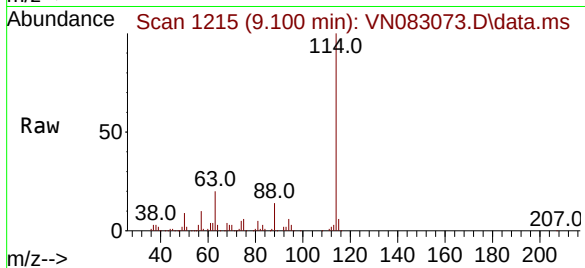
Tgt Ion:114 Resp: 286782

Ion Ratio Lower Upper

114 100

63 20.2 0.0 44.6

88 14.1 0.0 31.4



#35

Dibromofluoromethane

Concen: 59.412 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083073.D

Acq: 30 Jul 2024 17:26

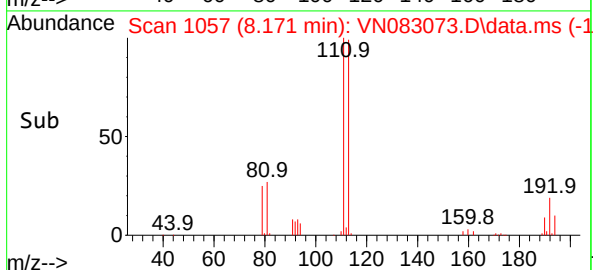
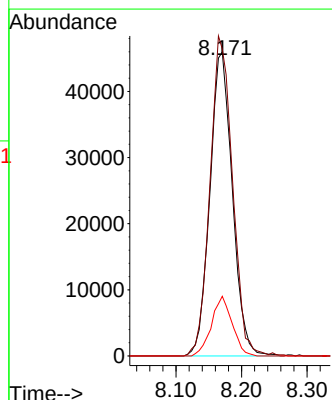
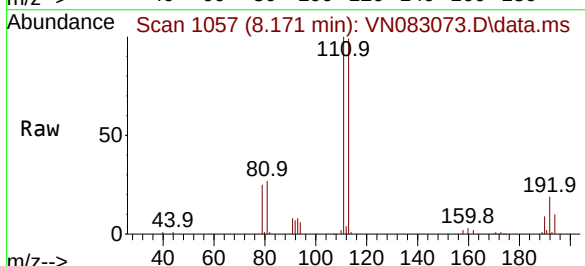
Tgt Ion:113 Resp: 109331

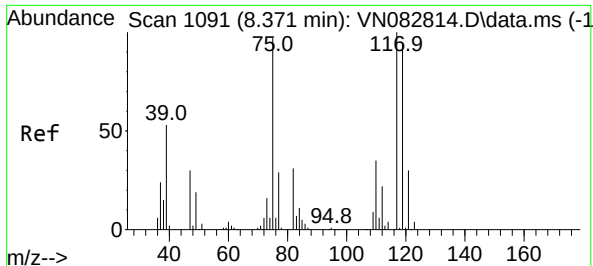
Ion Ratio Lower Upper

113 100

111 105.1 82.4 123.6

192 18.1 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.991 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.142 min

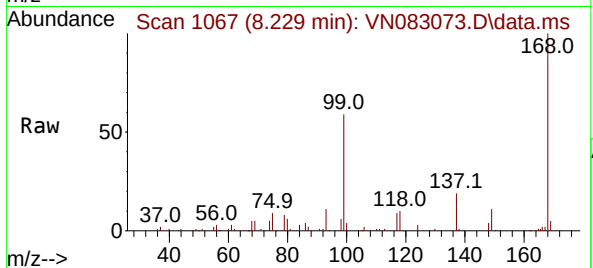
Lab File: VN083073.D

Acq: 30 Jul 2024 17:26

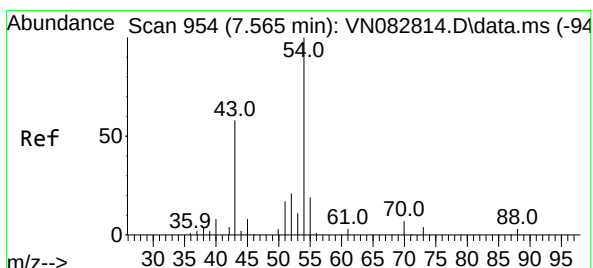
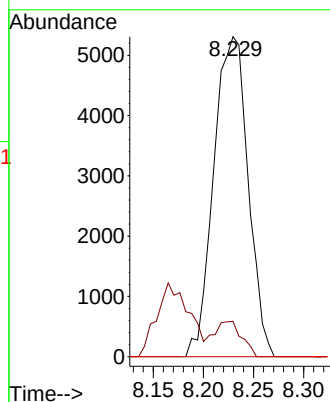
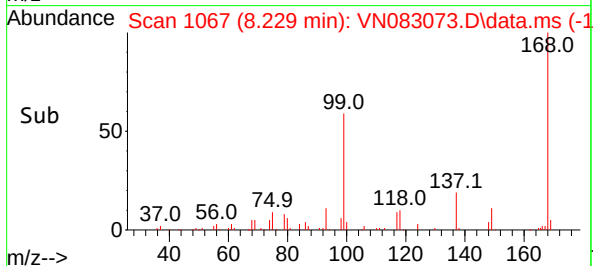
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	12664
Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.3	48.9#
77	0.0	24.6	37.0#



#37

Ethyl Acetate

Concen: 1.429 ug/l

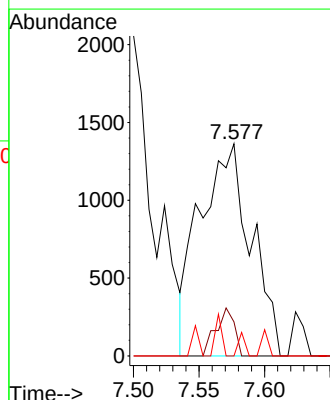
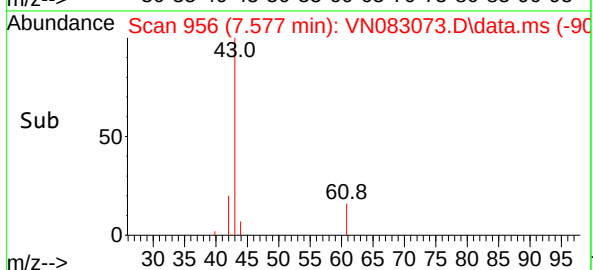
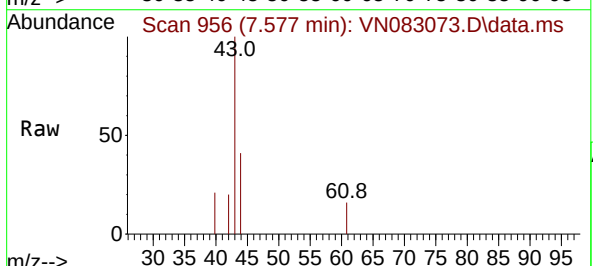
RT: 7.577 min Scan# 956

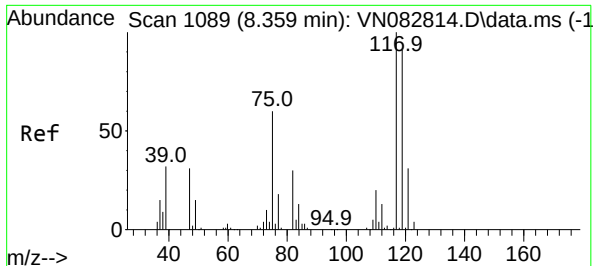
Delta R.T. 0.012 min

Lab File: VN083073.D

Acq: 30 Jul 2024 17:26

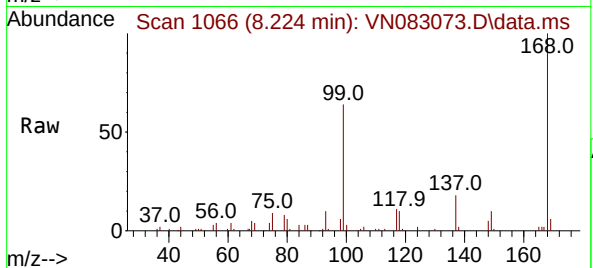
Tgt Ion:	43	Resp:	3692
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.3	13.9#
70	1.4	7.0	10.6#



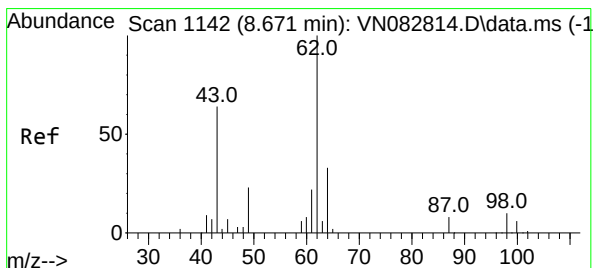
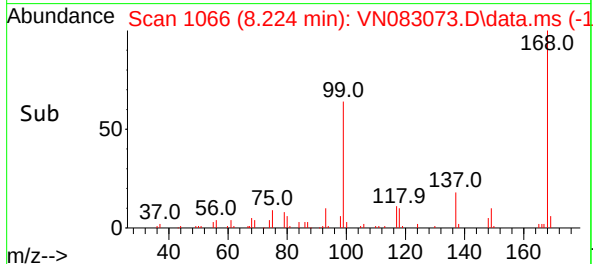
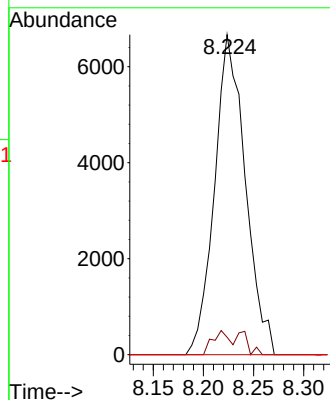


#38
Carbon Tetrachloride
Concen: 4.658 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

Instrument :
MSVOA_N
ClientSampleId :

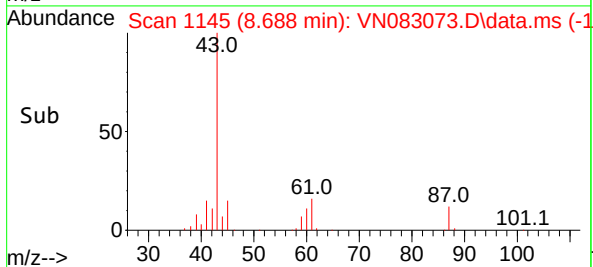
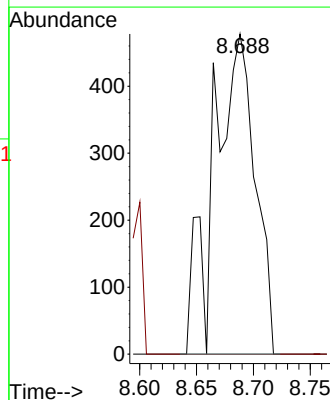
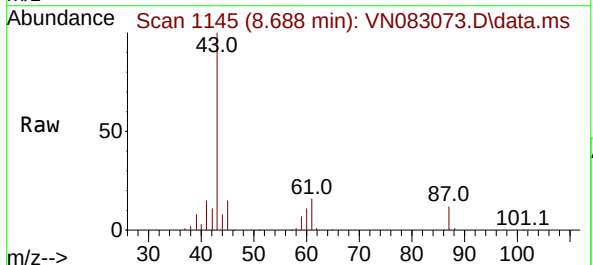


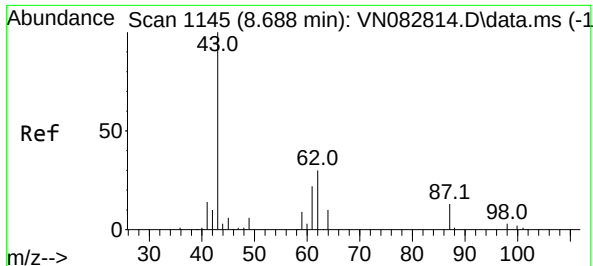
Tgt Ion:117 Resp: 14229
Ion Ratio Lower Upper
117 100
119 5.5 74.9 112.3#
121 0.0 24.3 36.5#



#42
1,2-Dichloroethane
Concen: 0.432 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.017 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

Tgt Ion: 62 Resp: 1213
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8

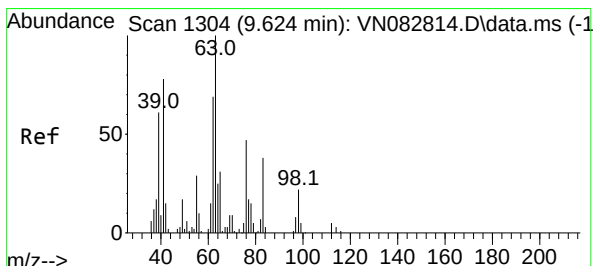
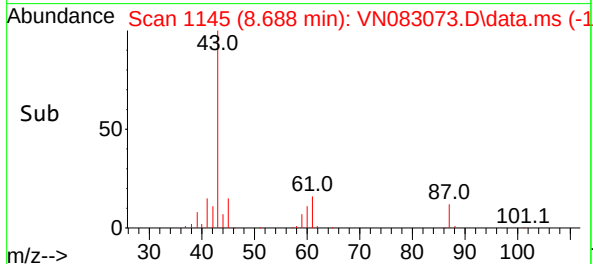
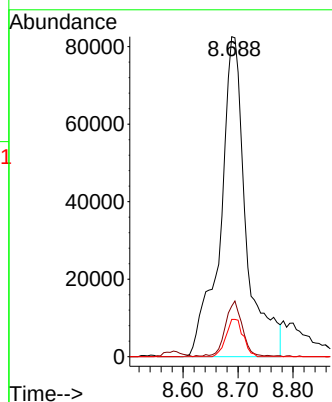
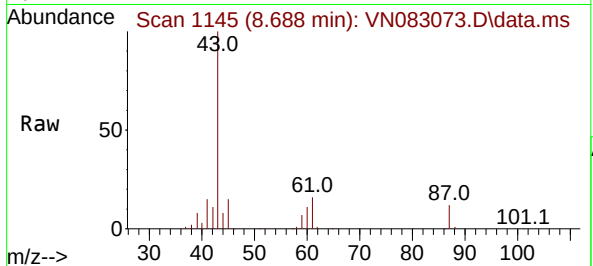




#43
Isopropyl Acetate
Concen: 55.373 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

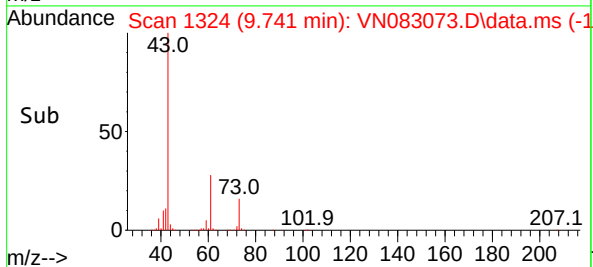
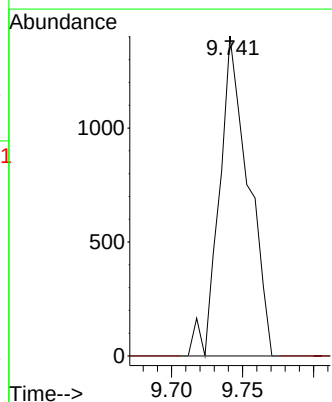
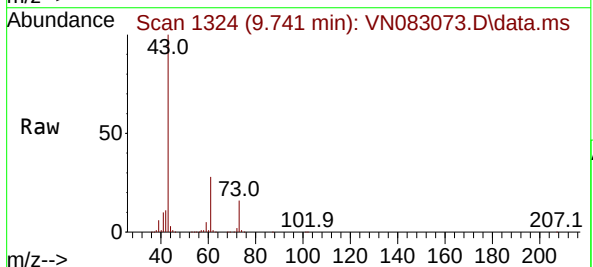
Instrument :
MSVOA_N
ClientSampleId :

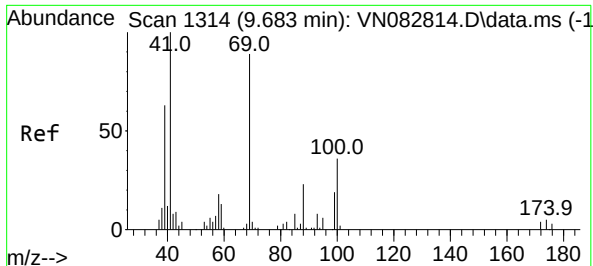
Tgt Ion: 43 Resp: 268145
Ion Ratio Lower Upper
43 100
61 11.7 17.8 26.6#
87 7.8 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 1.097 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

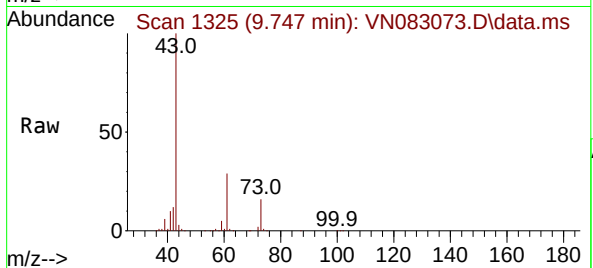
Tgt Ion: 63 Resp: 1998
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



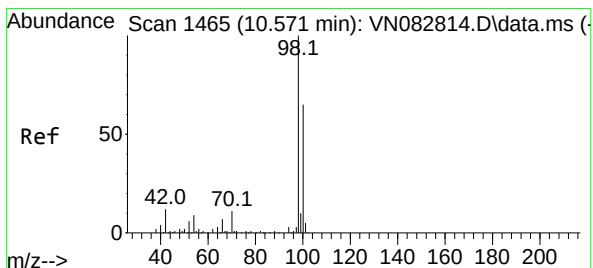
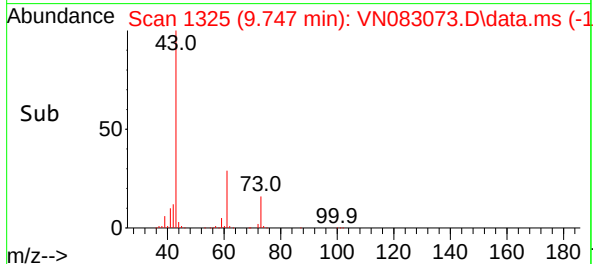
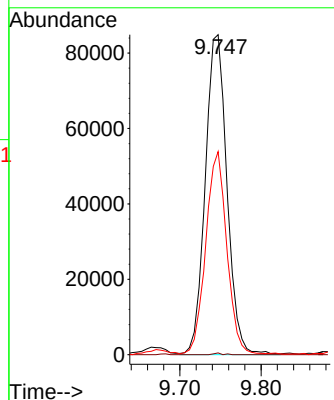


#48
Methyl methacrylate
Concen: 77.852 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

Instrument :
MSVOA_N
ClientSampleId :

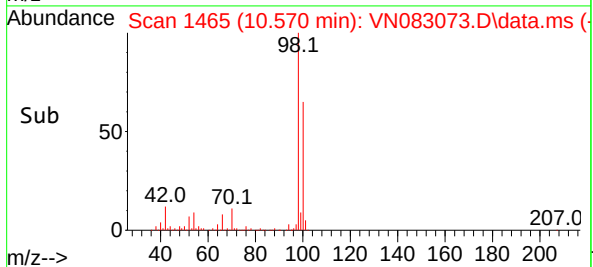
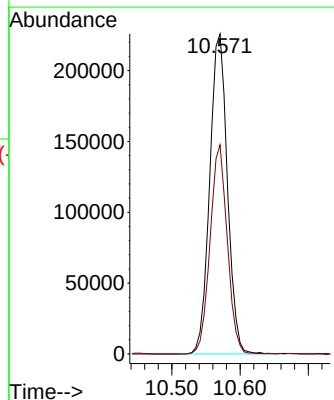
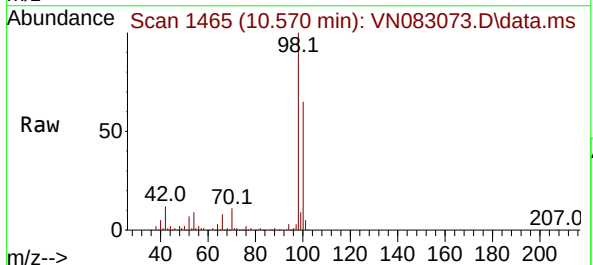


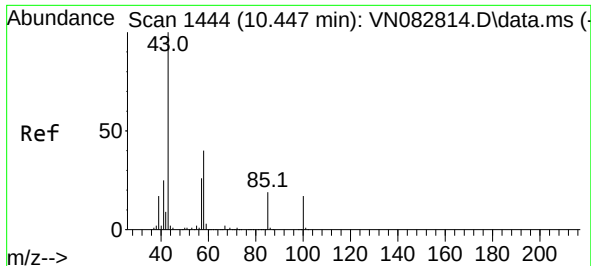
Tgt Ion: 41 Resp: 157683
Ion Ratio Lower Upper
41 100
69 0.2 56.3 84.5#
39 61.0 50.3 75.5



#50
Toluene-d8
Concen: 59.976 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

Tgt Ion: 98 Resp: 407643
Ion Ratio Lower Upper
98 100
100 63.6 51.5 77.3

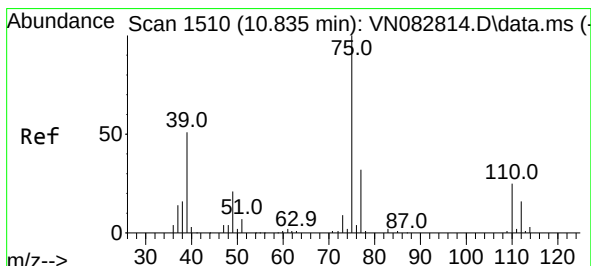
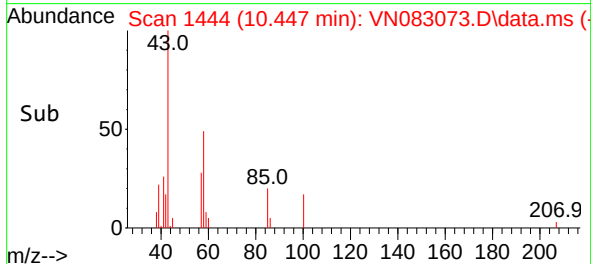
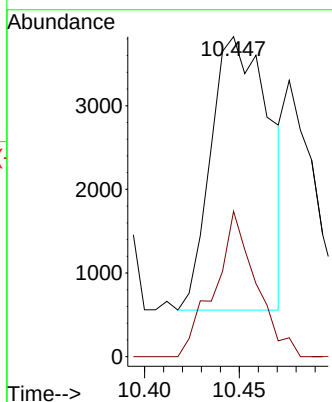
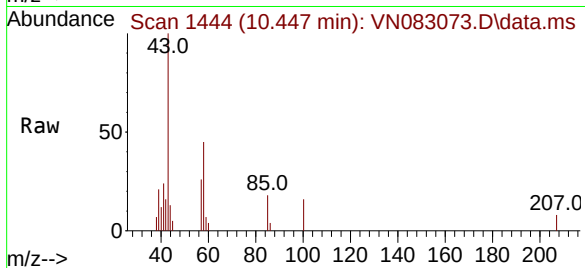




#51
4-Methyl-2-Pentanone
Concen: 2.729 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

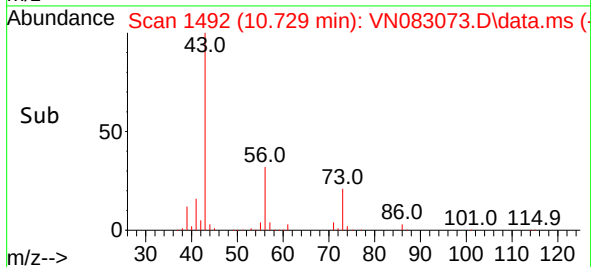
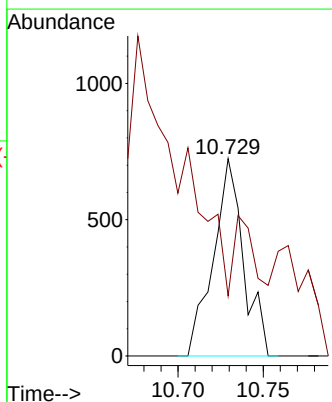
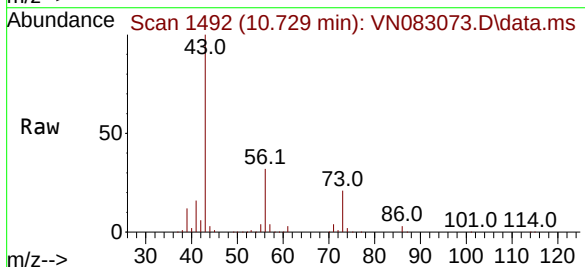
Instrument :
MSVOA_N
ClientSampleId :

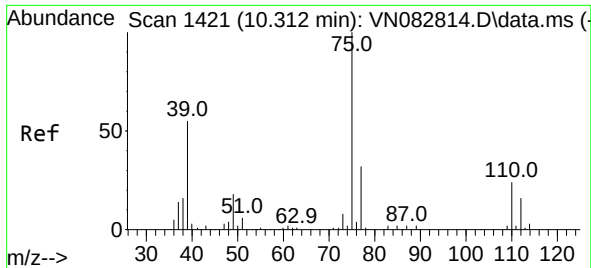
Tgt Ion: 43 Resp: 6988
Ion Ratio Lower Upper
43 100
58 37.8 28.2 42.4



#53
t-1,3-Dichloropropene
Concen: 0.295 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

Tgt Ion: 75 Resp: 892
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

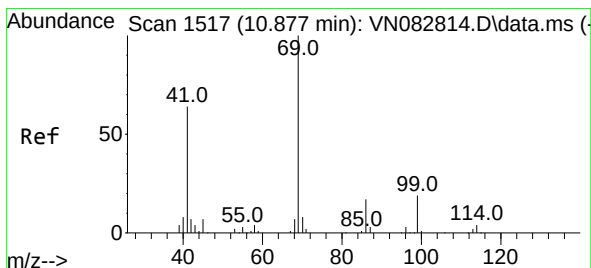
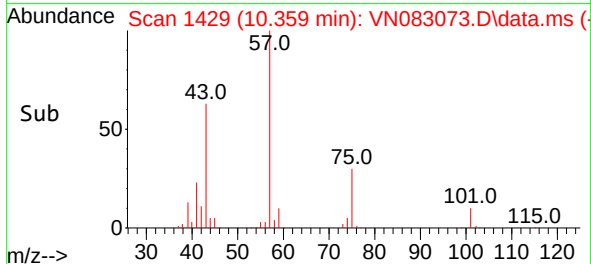
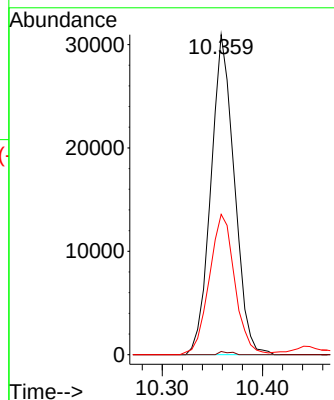
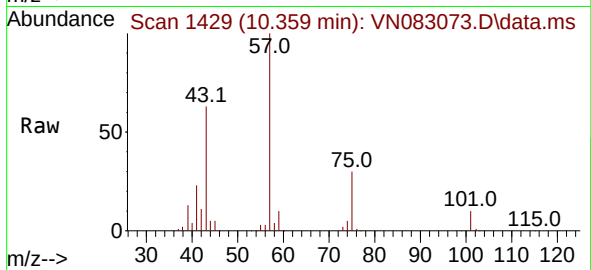




#54
cis-1,3-Dichloropropene
Concen: 15.707 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

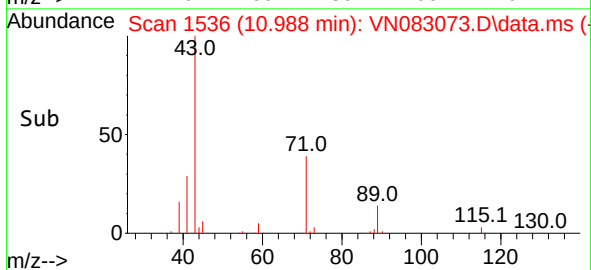
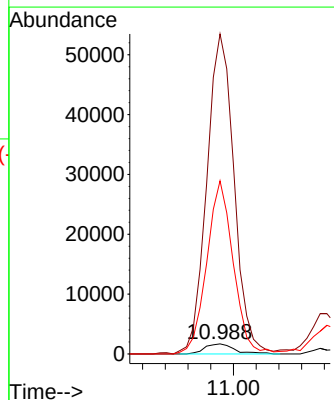
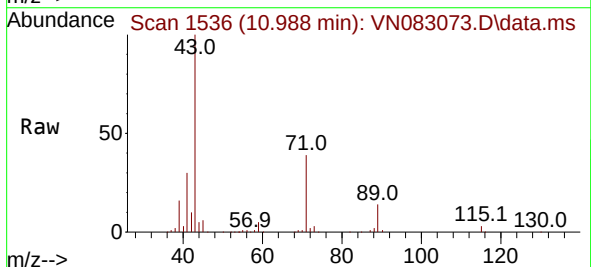
Instrument :
MSVOA_N
ClientSampleId :

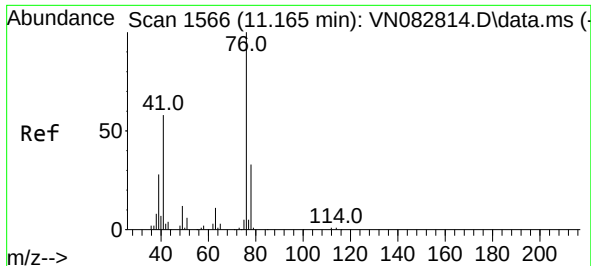
Tgt Ion: 75 Resp: 50234
Ion Ratio Lower Upper
75 100
77 1.0 24.3 36.5#
39 43.9 50.5 75.7#



#56
Ethyl methacrylate
Concen: 1.098 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

Tgt Ion: 69 Resp: 3062
Ion Ratio Lower Upper
69 100
41 2922.6 63.4 95.2#
39 1531.7 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 2.273 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN083073.D

Acq: 30 Jul 2024 17:26

Instrument :

MSVOA_N

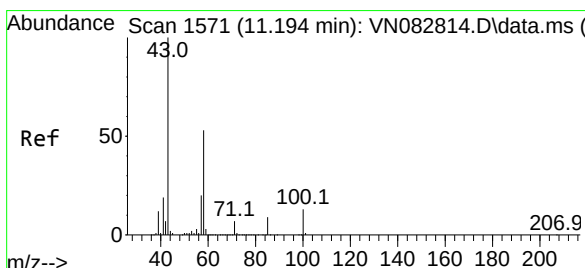
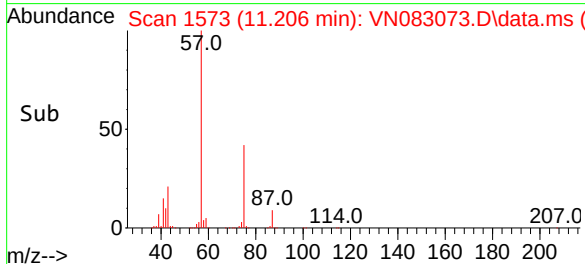
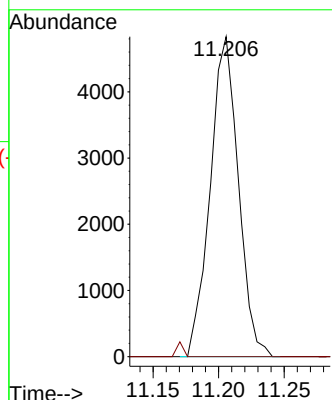
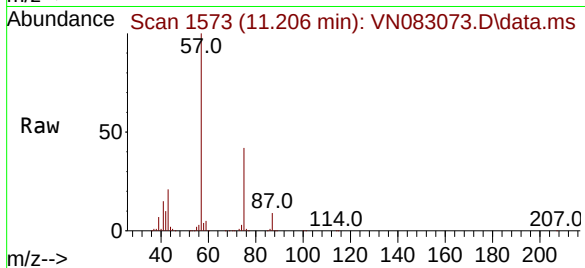
ClientSampleId :

Tgt Ion: 76 Resp: 7212

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 54.007 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN083073.D

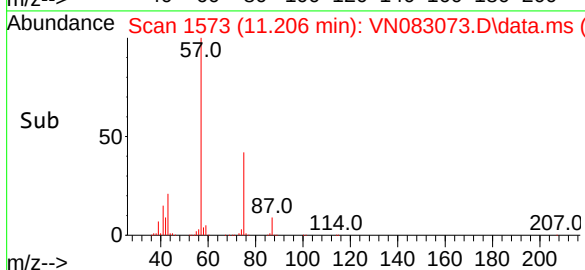
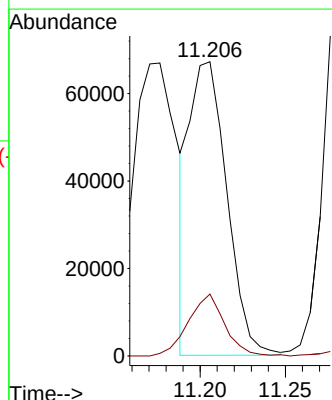
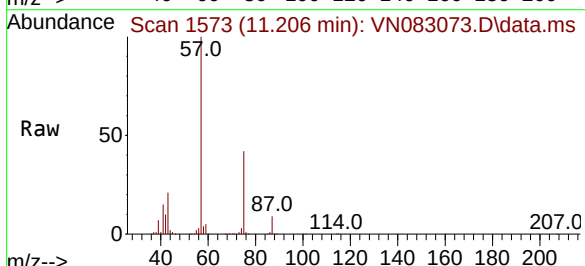
Acq: 30 Jul 2024 17:26

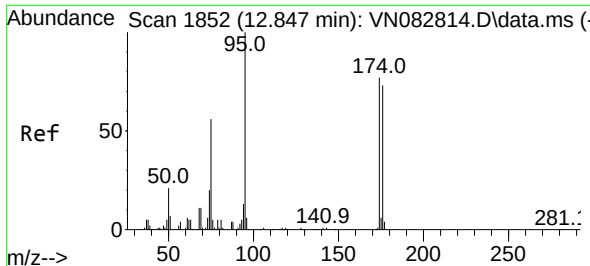
Tgt Ion: 43 Resp: 102825

Ion Ratio Lower Upper

43 100

58 20.5 24.6 73.8#

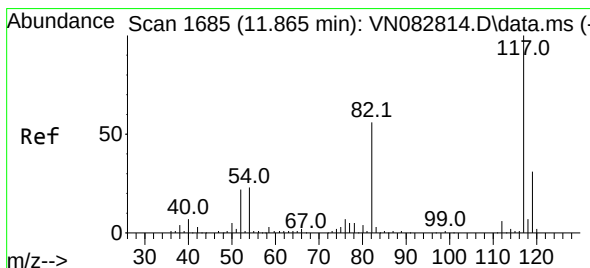
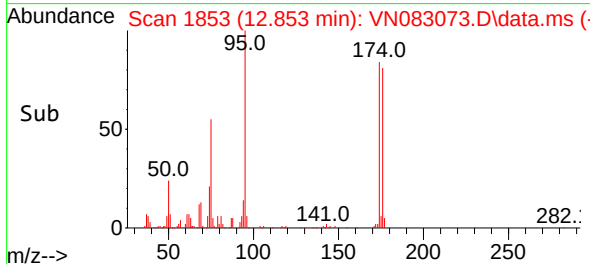
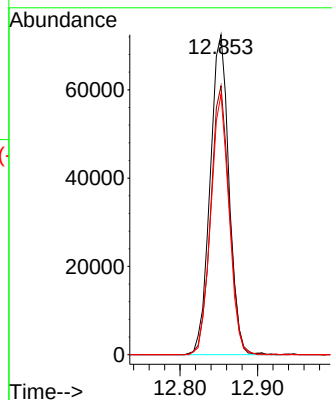
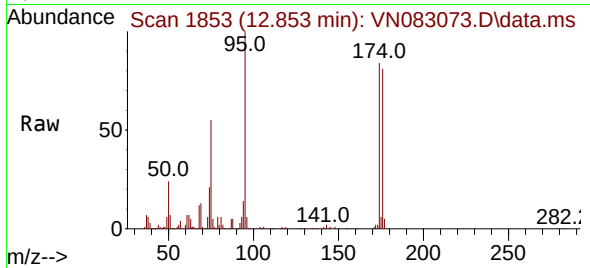




#62
4-Bromofluorobenzene
Concen: 50.120 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

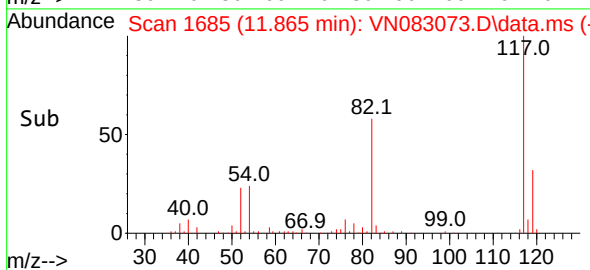
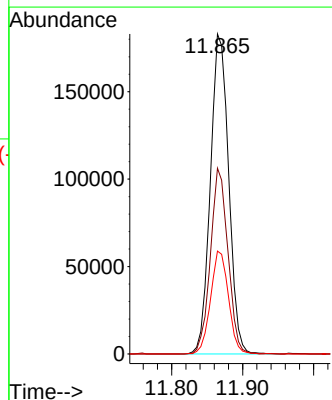
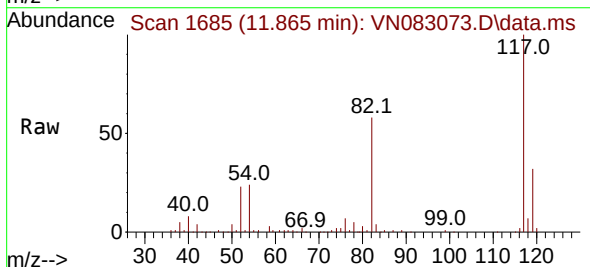
Instrument :
MSVOA_N
ClientSampleId :

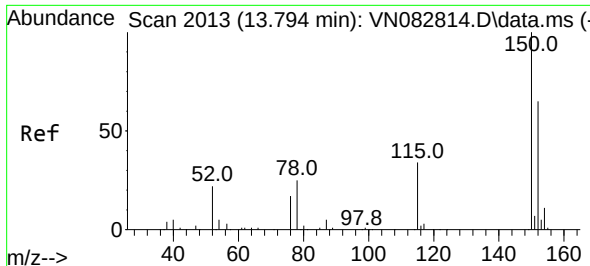
Tgt Ion: 95 Resp: 122367
Ion Ratio Lower Upper
95 100
174 83.3 0.0 159.2
176 78.8 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.005 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

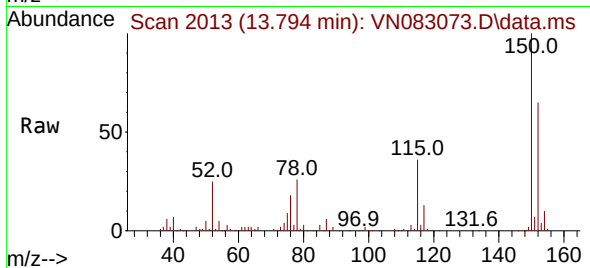
Tgt Ion: 117 Resp: 326642
Ion Ratio Lower Upper
117 100
82 58.0 47.5 71.3
119 32.2 25.6 38.4



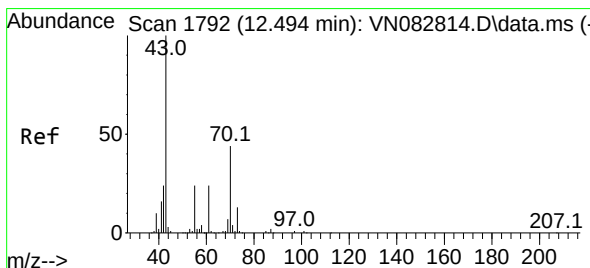
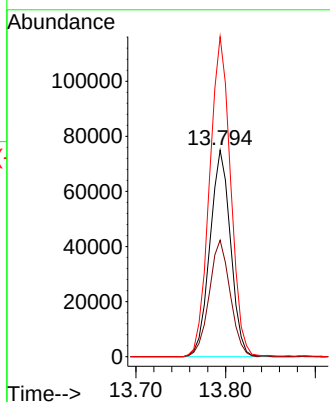
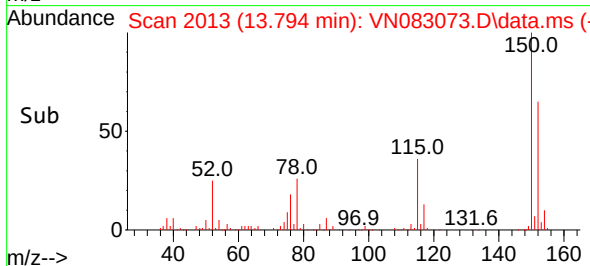


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN083073.D
 Acq: 30 Jul 2024 17:26

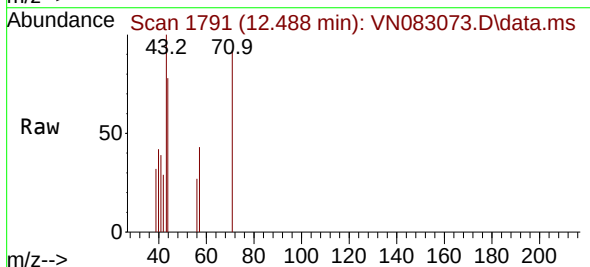
Instrument :
 MSVOA_N
 ClientSampleId :



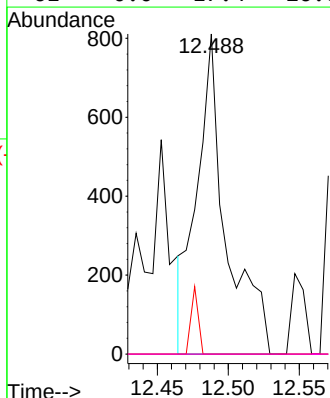
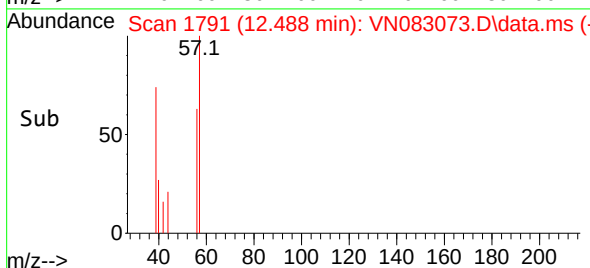
Tgt Ion:152 Resp: 119525
 Ion Ratio Lower Upper
 152 100
 115 57.4 30.6 91.6
 150 158.6 0.0 348.6

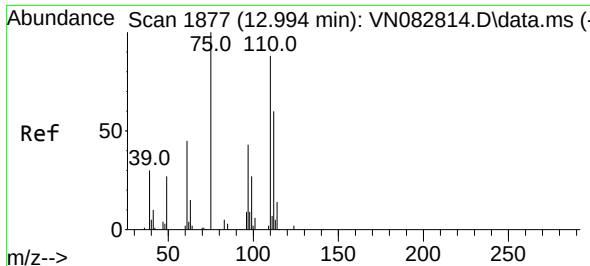


#74
 N-ethyl acetate
 Concen: 0.324 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VN083073.D
 Acq: 30 Jul 2024 17:26



Tgt Ion: 43 Resp: 1165
 Ion Ratio Lower Upper
 43 100
 70 0.0 29.8 44.6#
 55 5.2 18.7 28.1#
 61 0.0 17.4 26.0#

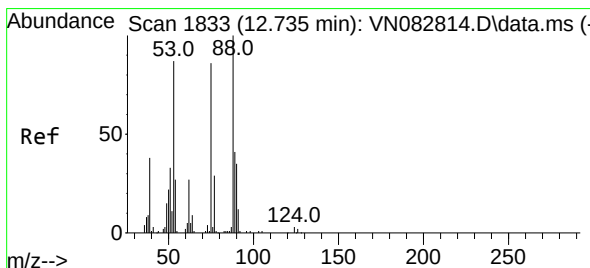
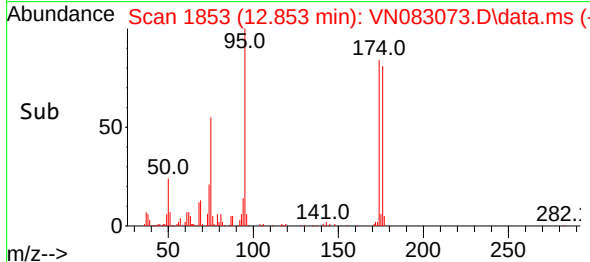
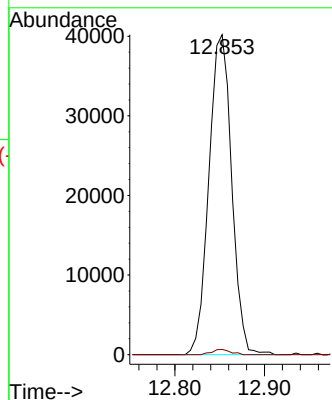
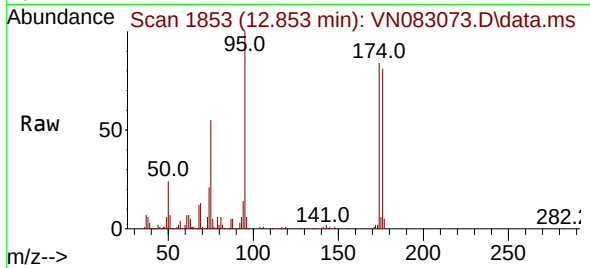




#76
1,2,3-Trichloropropane
Concen: 34.397 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 70882
Ion Ratio Lower Upper
75 100
77 1.4 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.650 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN083073.D
Acq: 30 Jul 2024 17:26

Tgt Ion: 75 Resp: 70882
Ion Ratio Lower Upper
75 100
53 0.2 88.4 132.6#
89 0.0 36.3 54.5#

