

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082124\
 Data File : VN083415.D
 Acq On : 21 Aug 2024 17:54
 Operator : JC\MD
 Sample : PB162872ZHE01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 22 01:49:07 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)

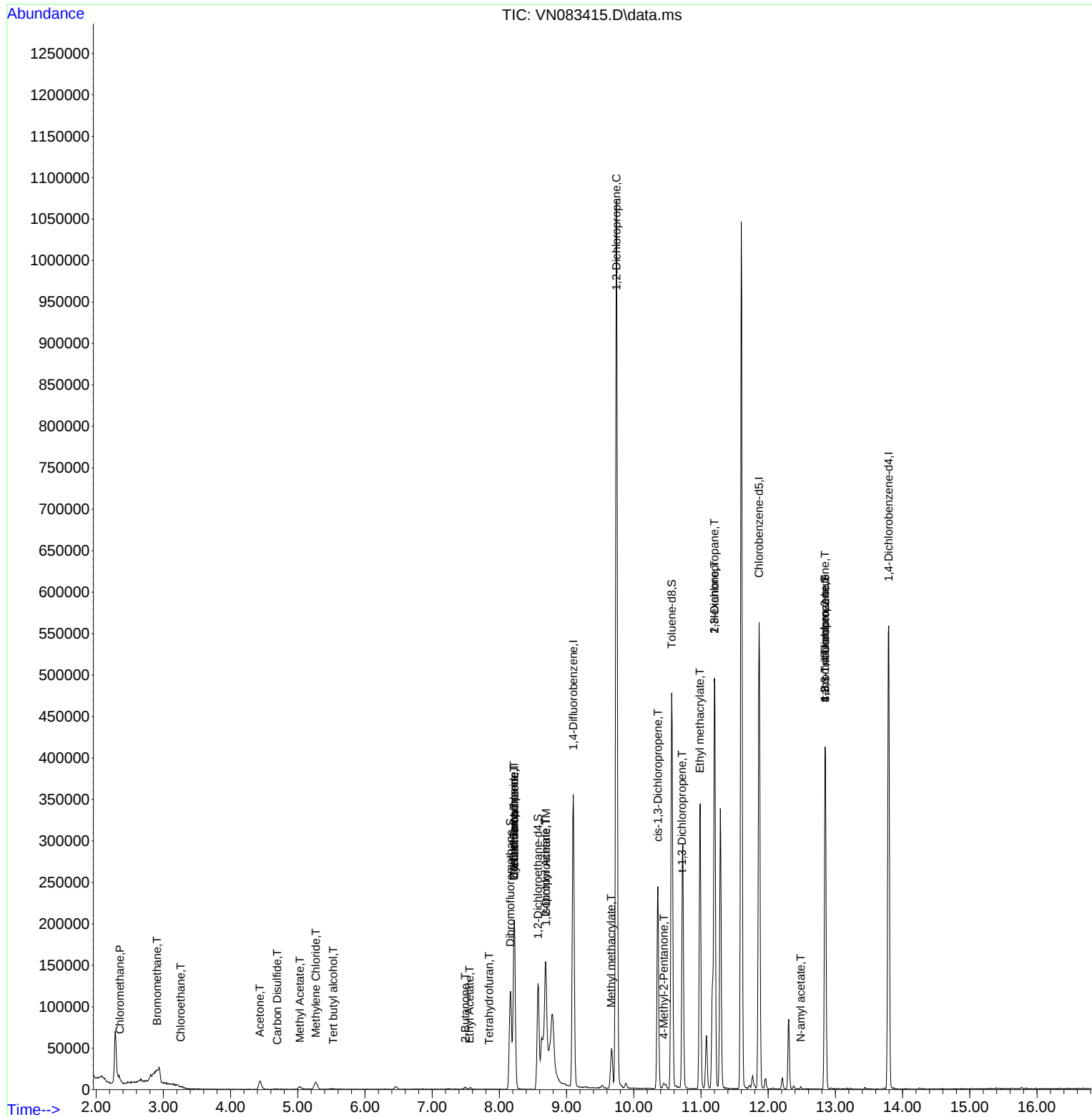
Internal Standards						
1) Pentafluorobenzene	8.224	168	139891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	291683	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	312358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	149499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	110228	55.358	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.720%
35) Dibromofluoromethane	8.165	113	87772	48.210	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.420%
50) Toluene-d8	10.565	98	326997	48.149	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.300%
62) 4-Bromofluorobenzene	12.847	95	147895	55.859	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	111.720%
Target Compounds						
						Qvalue
3) Chloromethane	2.353	50	633	0.390	ug/l #	43
5) Bromomethane	2.906	94	271	0.264	ug/l	97
6) Chloroethane	3.259	64	288	0.278	ug/l #	41
11) Tert butyl alcohol	5.530	59	226	0.546	ug/l #	71
16) Acetone	4.436	43	18668	23.960	ug/l	93
17) Carbon Disulfide	4.694	76	1024	0.226	ug/l #	75
18) Methyl Acetate	5.030	43	6527	2.812	ug/l #	80
20) Methylene Chloride	5.271	84	6790	3.787	ug/l #	82
25) 2-Butanone	7.494	43	3832	3.203	ug/l #	84
29) Tetrahydrofuran	7.847	42	179	0.231	ug/l #	38
31) Cyclohexane	8.218	56	3570	1.210	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13046	4.737	ug/l #	52
37) Ethyl Acetate	7.559	43	3154	1.023	ug/l #	92
38) Carbon Tetrachloride	8.218	117	16468	5.309	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	940	0.315	ug/l #	78
43) Isopropyl Acetate	8.688	43	257873	48.091	ug/l #	78
45) 1,2-Dichloropropane	9.741	63	1246	0.640	ug/l #	44
48) Methyl methacrylate	9.665	41	3528	1.384	ug/l #	53
51) 4-Methyl-2-Pentanone	10.447	43	5181	1.777	ug/l	97
53) t-1,3-Dichloropropene	10.718	75	653	0.203	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	43352	12.677	ug/l #	55
56) Ethyl methacrylate	10.982	69	893	0.255	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5214	1.575	ug/l #	43
59) 2-Hexanone	11.200	43	68627	30.420	ug/l #	59
74) N-amyl acetate	12.482	43	2069	0.338	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	80962	24.675	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80962	53.674	ug/l #	6

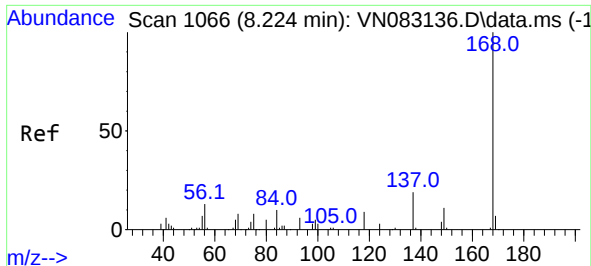
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082124\
Data File : VN083415.D
Acq On : 21 Aug 2024 17:54
Operator : JC\MD
Sample : PB162872ZHE01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

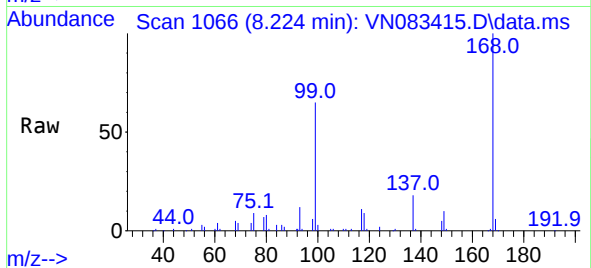
Quant Time: Aug 22 01:49:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration



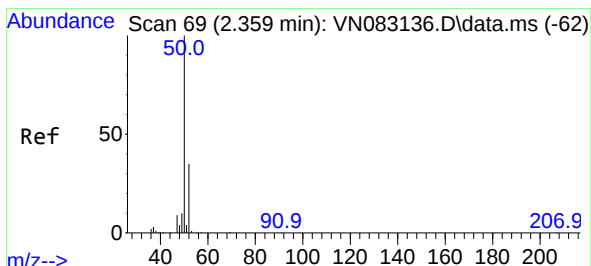
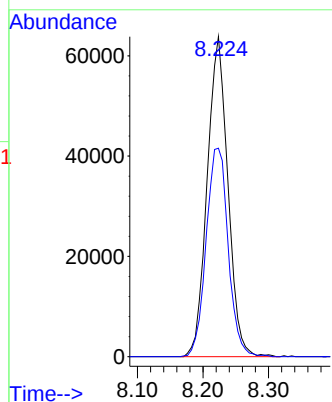
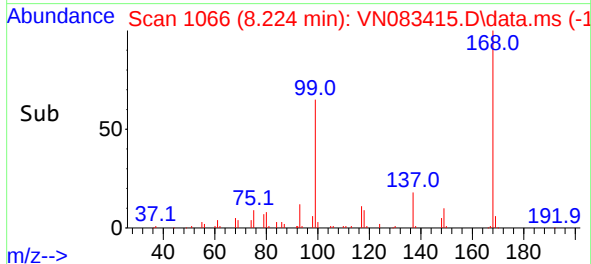


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

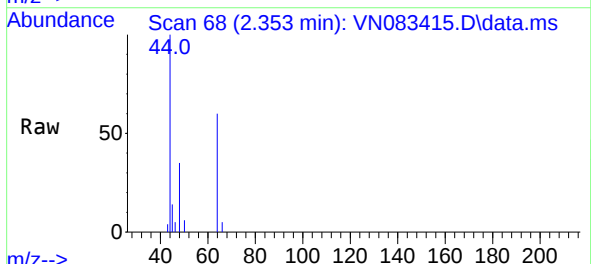
Instrument :
MSVOA_N
ClientSampleId :



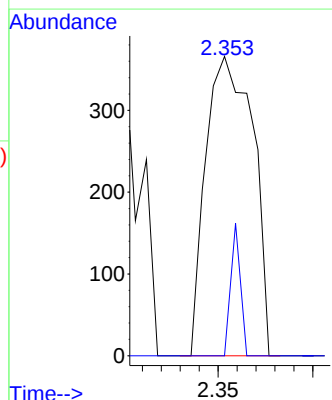
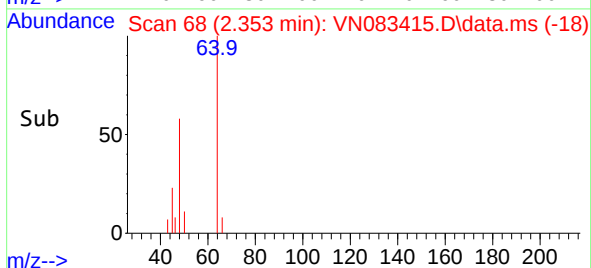
Tgt Ion:168 Resp: 139891
Ion Ratio Lower Upper
168 100
99 65.2 48.2 72.4

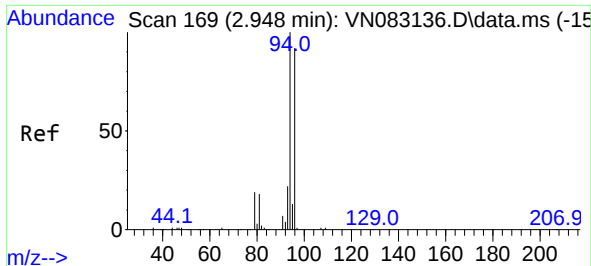


#3
Chloromethane
Concen: 0.390 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54



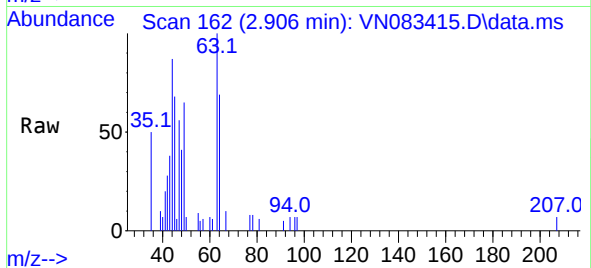
Tgt Ion: 50 Resp: 633
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



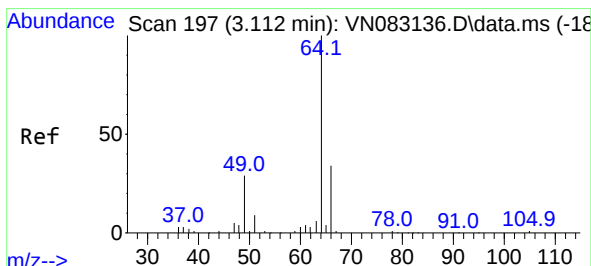
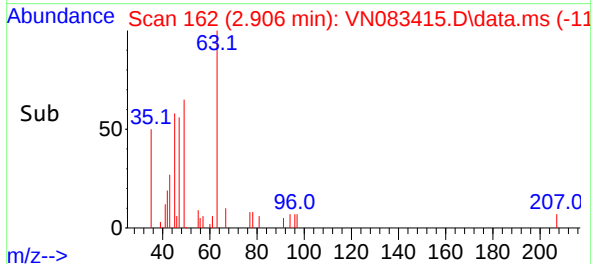
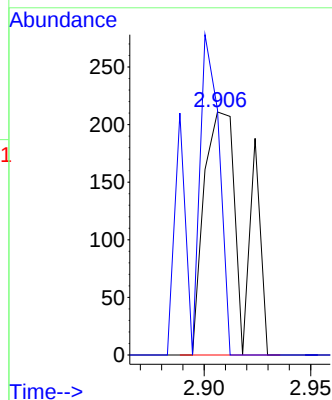


#5
Bromomethane
Concen: 0.264 ug/l
RT: 2.906 min Scan# 11
Delta R.T. -0.041 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

Instrument :
MSVOA_N
ClientSampleId :

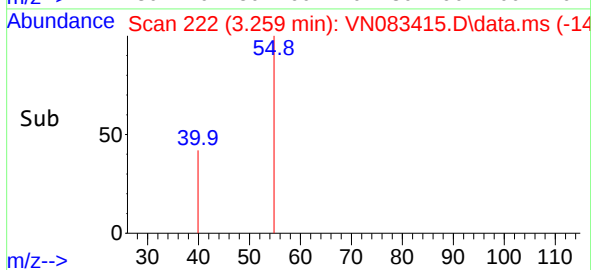
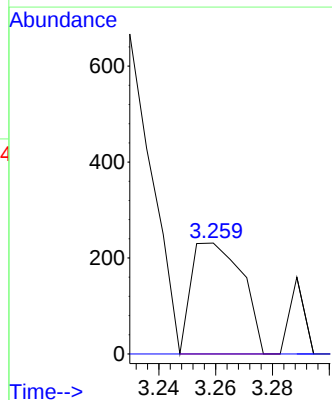
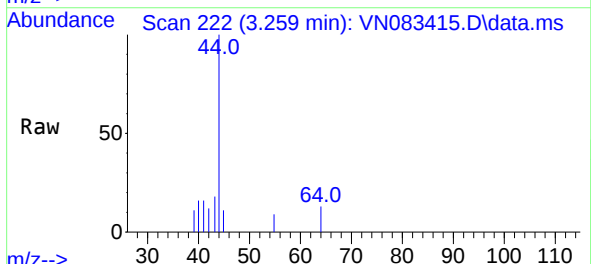


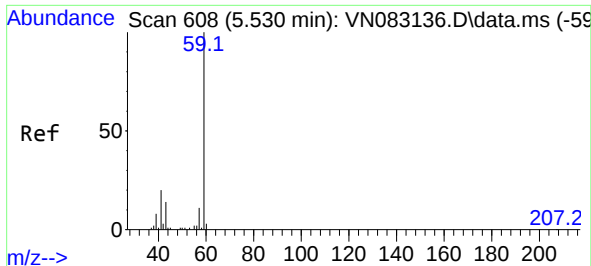
Tgt Ion: 94 Resp: 271
Ion Ratio Lower Upper
94 100
96 100.9 78.0 117.0



#6
Chloroethane
Concen: 0.278 ug/l
RT: 3.259 min Scan# 222
Delta R.T. 0.147 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

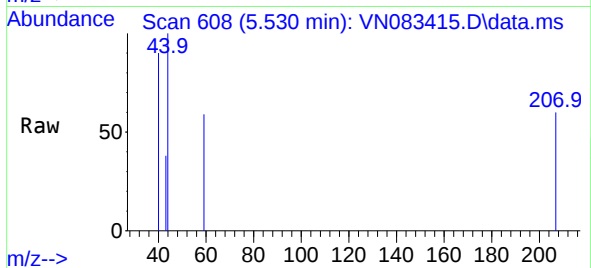
Tgt Ion: 64 Resp: 288
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



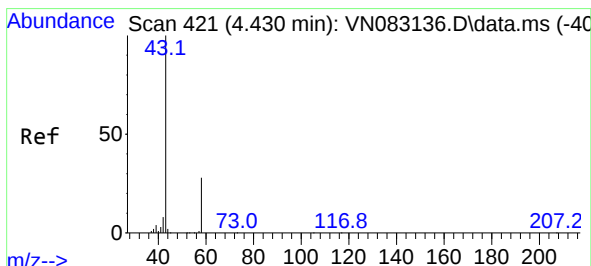
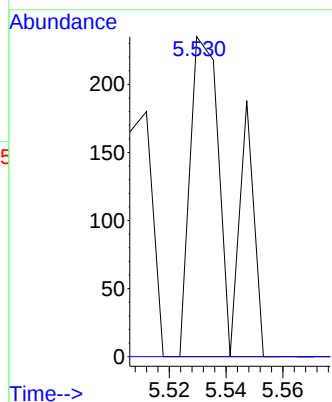
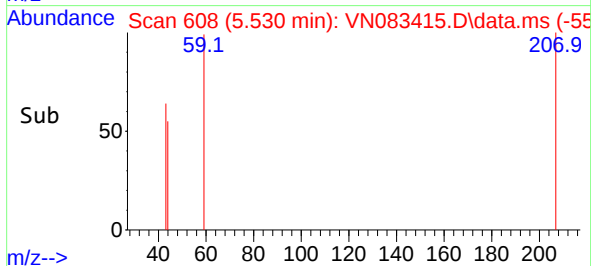


#11
Tert butyl alcohol
Concen: 0.546 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

Instrument :
MSVOA_N
ClientSampleId :

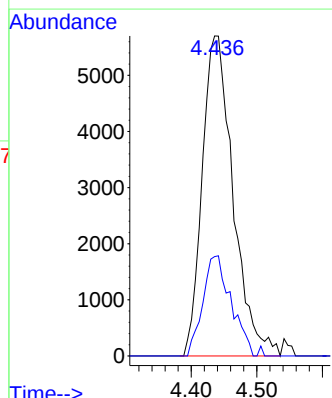
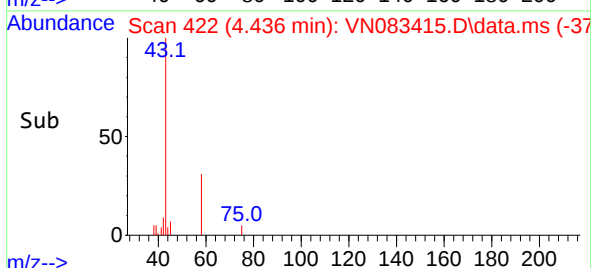
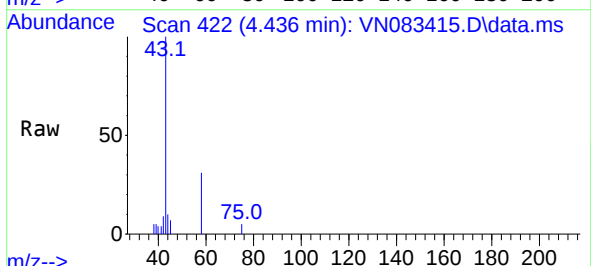


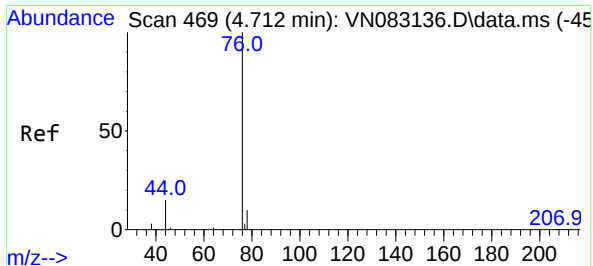
Tgt Ion: 59 Resp: 226
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 23.960 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

Tgt Ion: 43 Resp: 18668
Ion Ratio Lower Upper
43 100
58 31.0 21.8 32.6

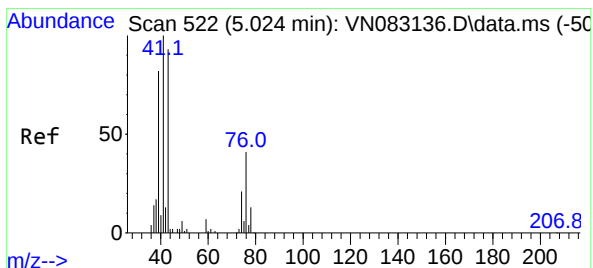
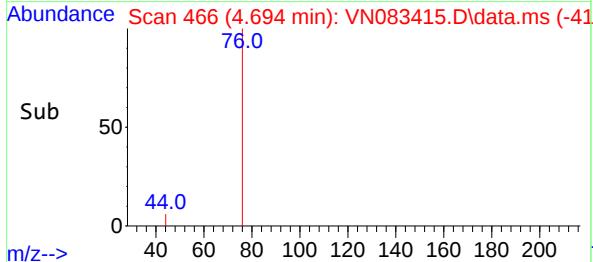
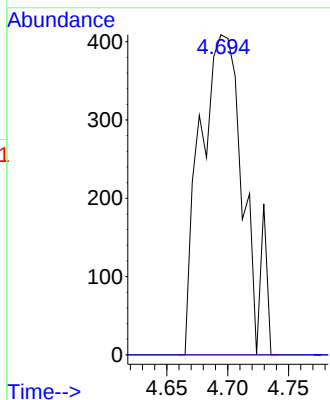
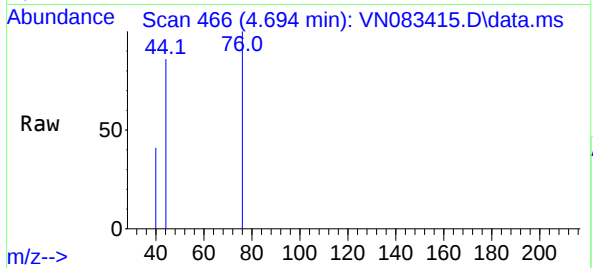




#17
Carbon Disulfide
Concen: 0.226 ug/l
RT: 4.694 min Scan# 41
Delta R.T. -0.018 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

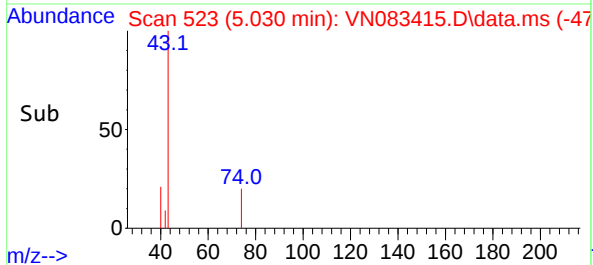
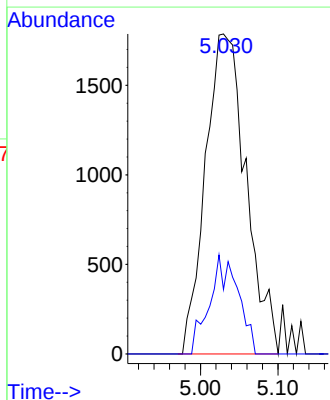
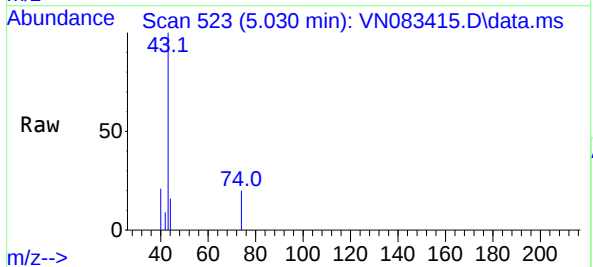
Instrument :
MSVOA_N
ClientSampleId :

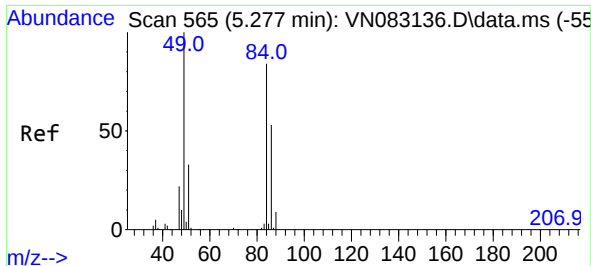
Tgt Ion: 76 Resp: 1024
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 2.812 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

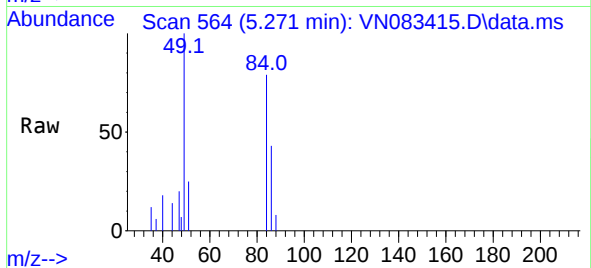
Tgt Ion: 43 Resp: 6527
Ion Ratio Lower Upper
43 100
74 11.4 16.3 24.5#



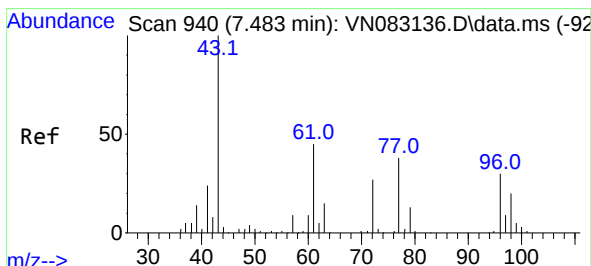
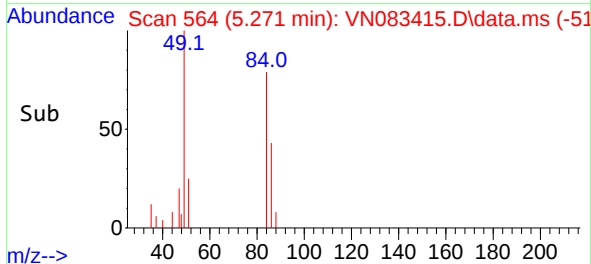
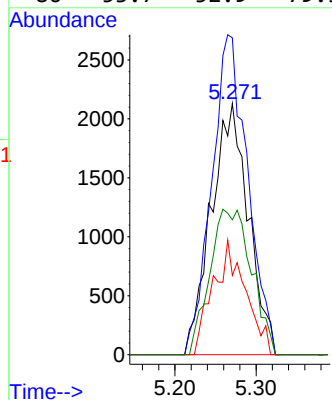


#20
Methylene Chloride
Concen: 3.787 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

Instrument :
MSVOA_N
ClientSampleId :

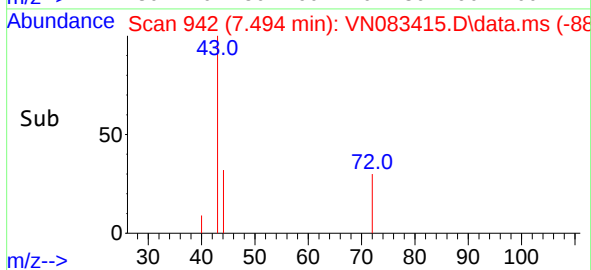
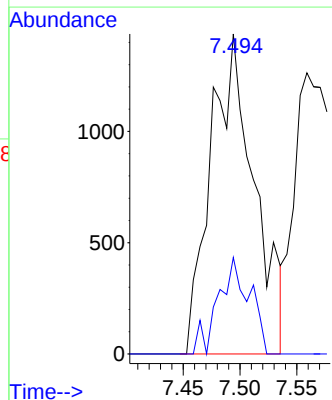
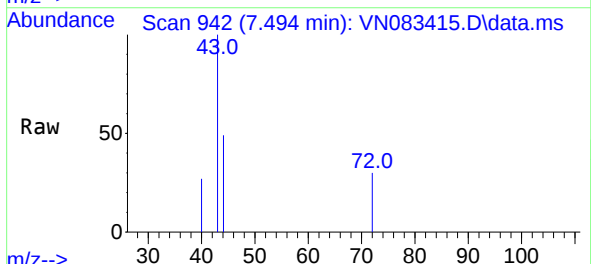


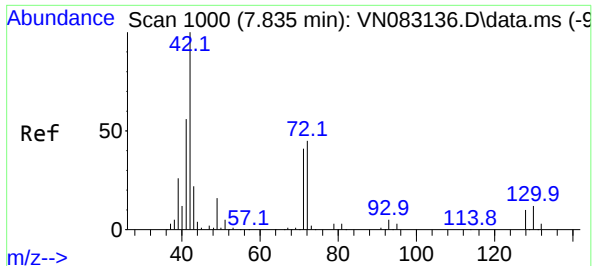
Tgt Ion: 84 Resp: 6790
Ion Ratio Lower Upper
84 100
49 126.2 119.6 179.4
51 31.6 34.8 52.2#
86 53.7 52.9 79.3



#25
2-Butanone
Concen: 3.203 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

Tgt Ion: 43 Resp: 3832
Ion Ratio Lower Upper
43 100
72 30.2 18.2 27.2#

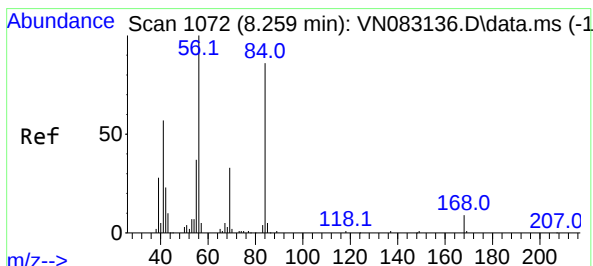
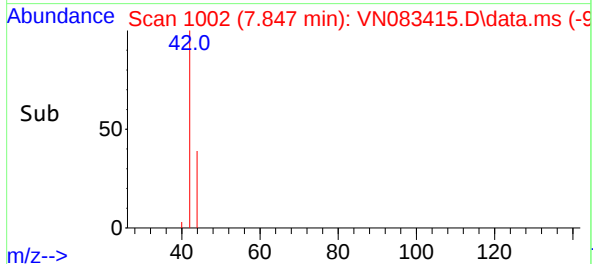
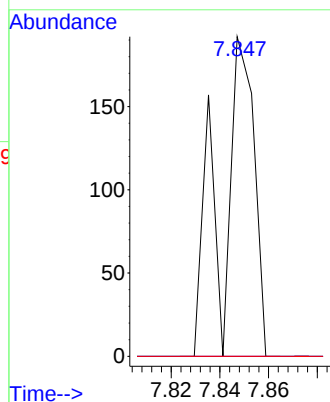
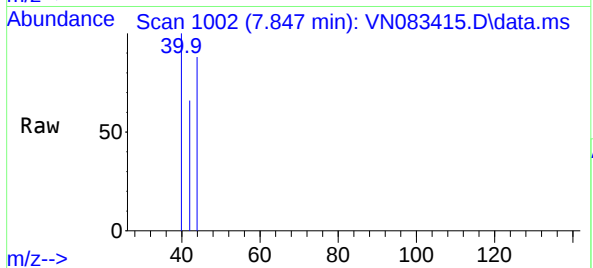




#29
Tetrahydrofuran
Concen: 0.231 ug/l
RT: 7.847 min Scan# 1065
Delta R.T. 0.012 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

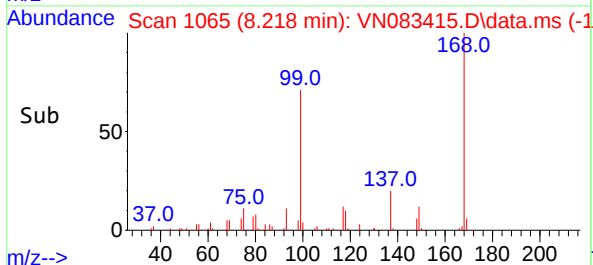
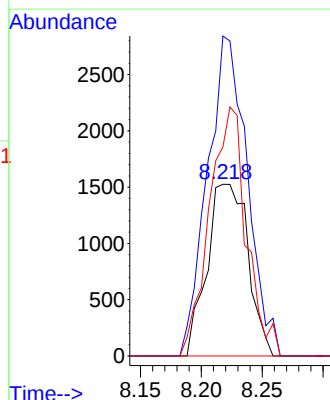
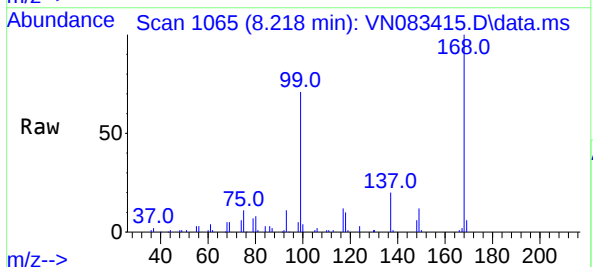
Instrument :
MSVOA_N
ClientSampleId :

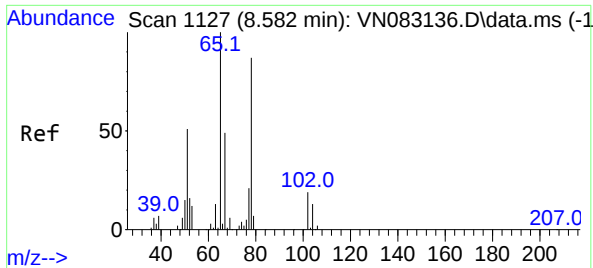
Tgt Ion: 42 Resp: 179
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



#31
Cyclohexane
Concen: 1.210 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

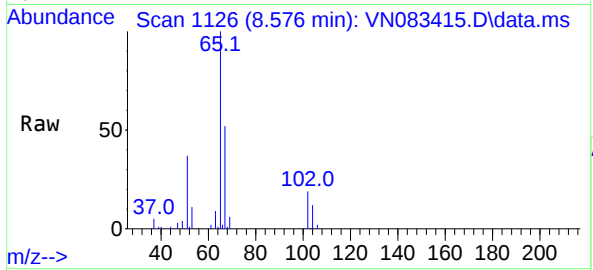
Tgt Ion: 56 Resp: 3570
Ion Ratio Lower Upper
56 100
69 186.4 24.5 36.7#
84 121.8 66.0 99.0#



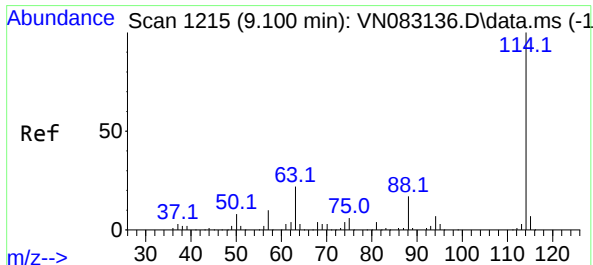
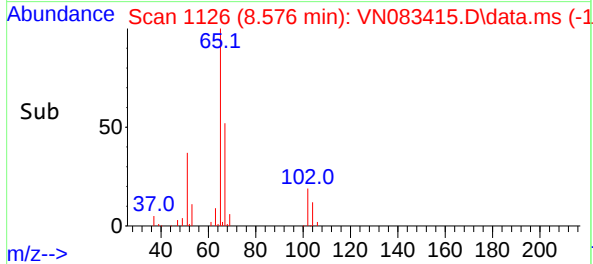
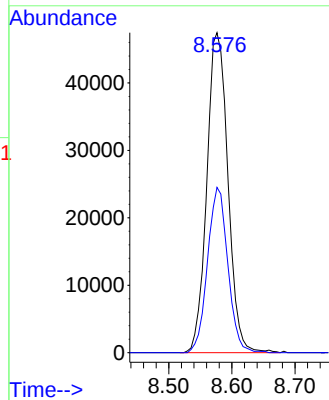


#33
1,2-Dichloroethane-d4
Concen: 55.358 ug/l
RT: 8.576 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

Instrument :
MSVOA_N
ClientSampleId :

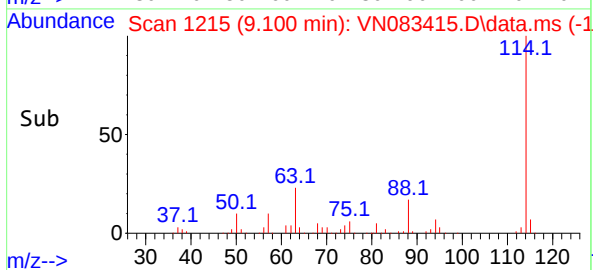
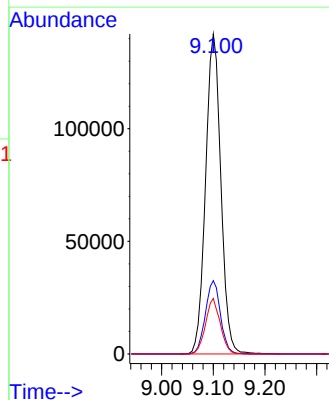
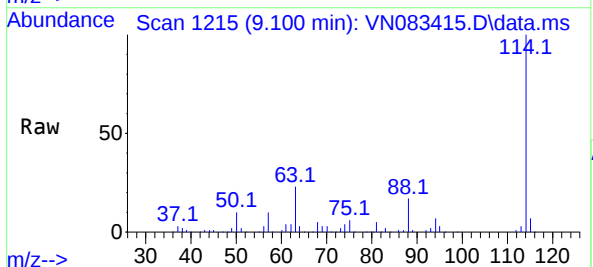


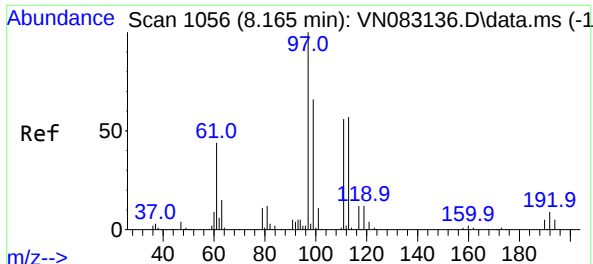
Tgt Ion: 65 Resp: 110228
Ion Ratio Lower Upper
65 100
67 49.7 0.0 104.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

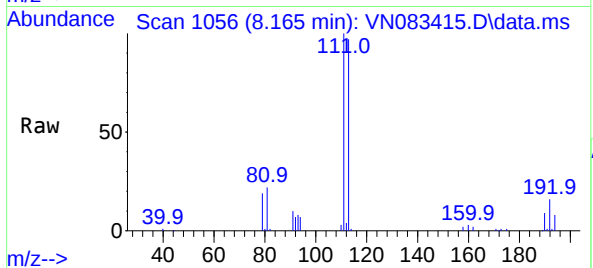
Tgt Ion: 114 Resp: 291683
Ion Ratio Lower Upper
114 100
63 22.9 0.0 44.6
88 17.3 0.0 31.4



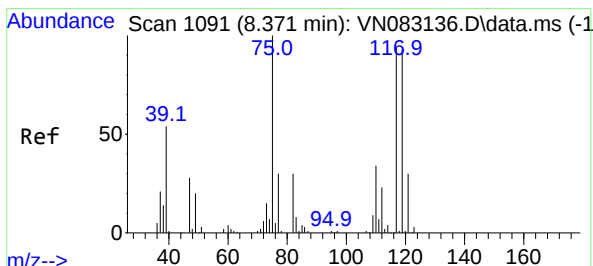
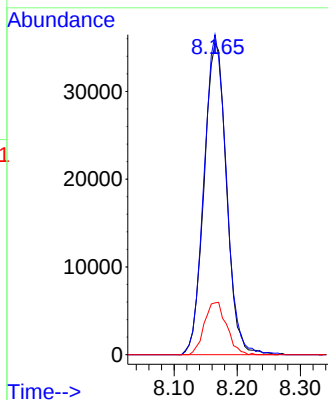
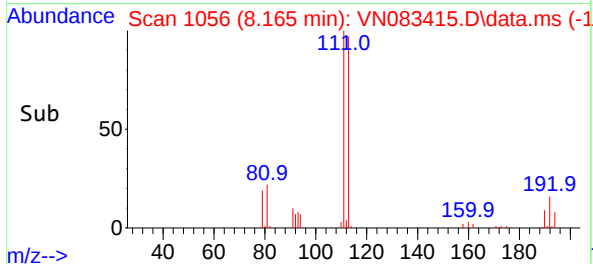


#35
Dibromofluoromethane
Concen: 48.210 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

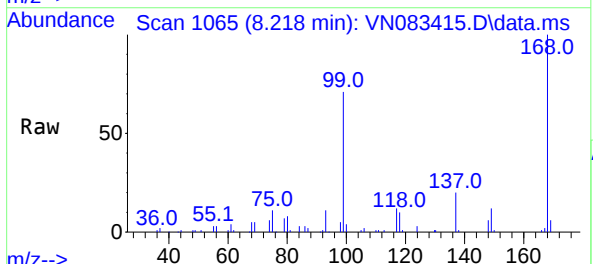
Instrument :
MSVOA_N
ClientSampleId :



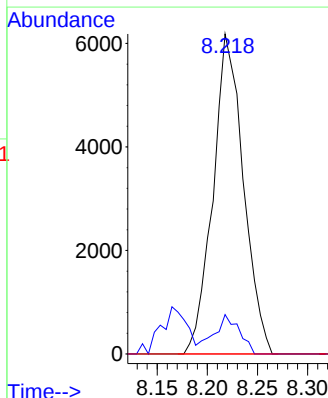
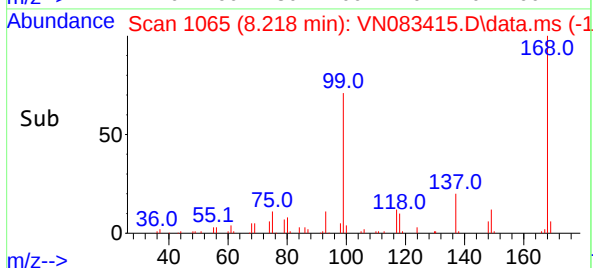
Tgt Ion:113 Resp: 87772
Ion Ratio Lower Upper
113 100
111 102.2 82.4 123.6
192 16.7 14.9 22.3

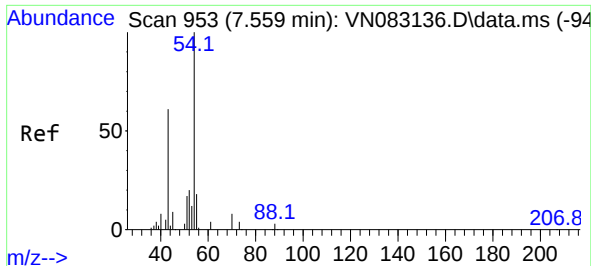


#36
1,1-Dichloropropene
Concen: 4.737 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54



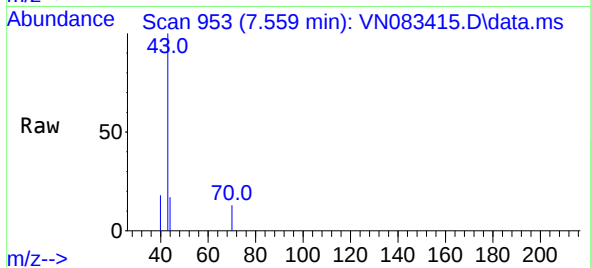
Tgt Ion: 75 Resp: 13046
Ion Ratio Lower Upper
75 100
110 9.6 16.3 48.9#
77 0.0 24.6 37.0#



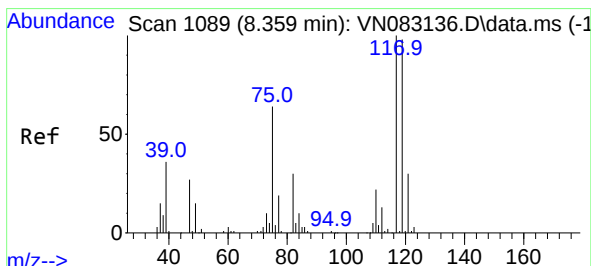
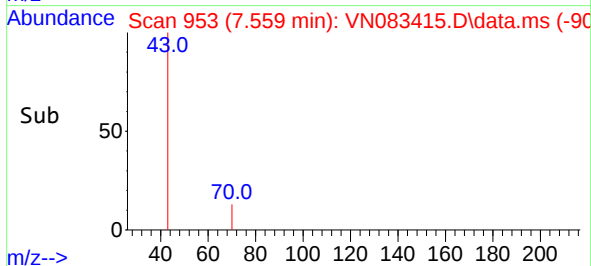
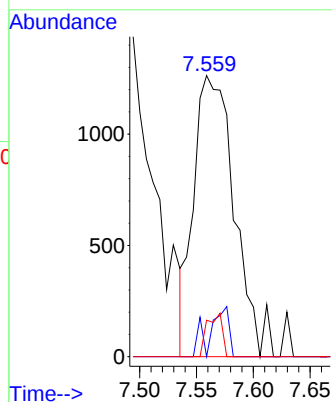


#37
Ethyl Acetate
Concen: 1.023 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

Instrument :
MSVOA_N
ClientSampleId :

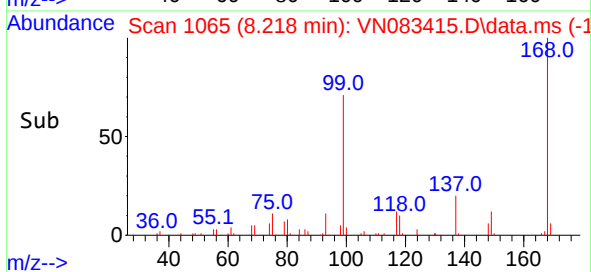
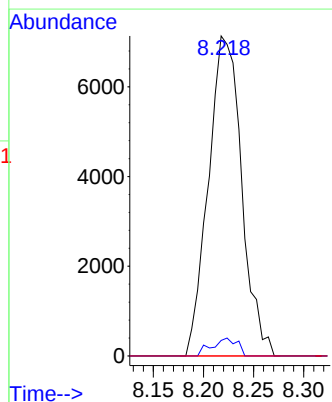
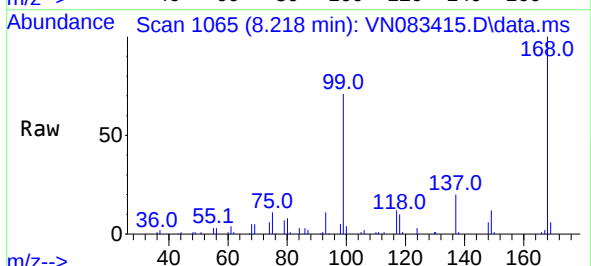


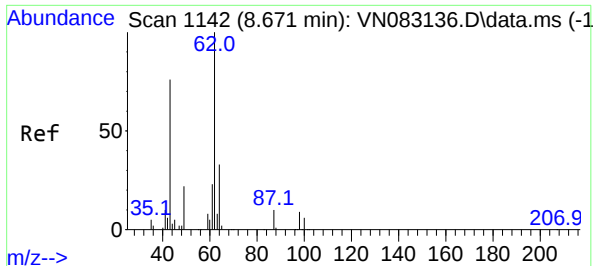
Tgt Ion: 43 Resp: 3154
Ion Ratio Lower Upper
43 100
61 8.4 9.3 13.9#
70 5.7 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 5.309 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

Tgt Ion: 117 Resp: 16468
Ion Ratio Lower Upper
117 100
119 4.9 74.9 112.3#
121 0.0 24.3 36.5#

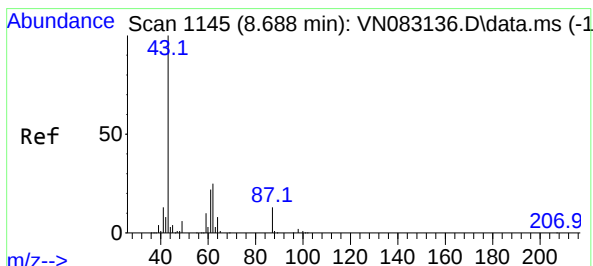
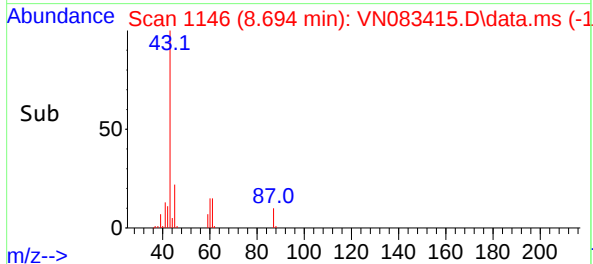
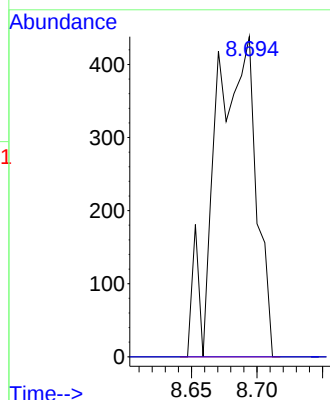
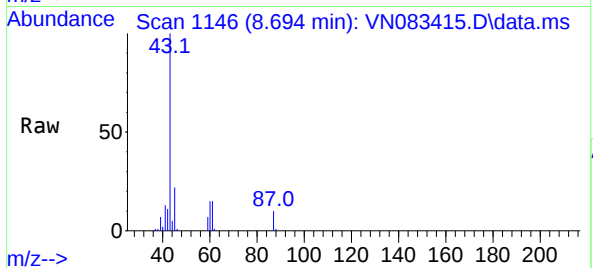




#42
1,2-Dichloroethane
Concen: 0.315 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.023 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

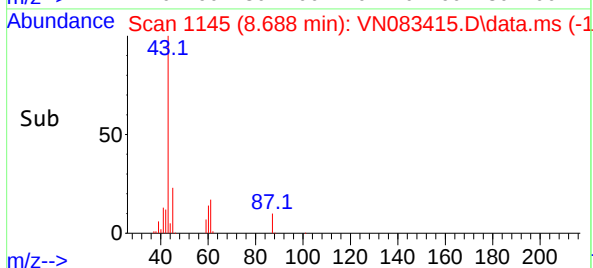
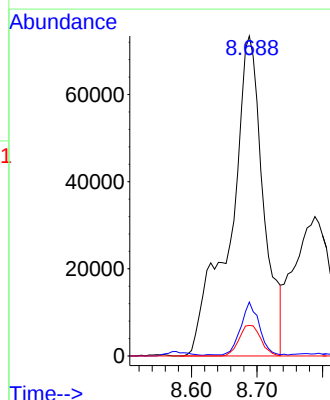
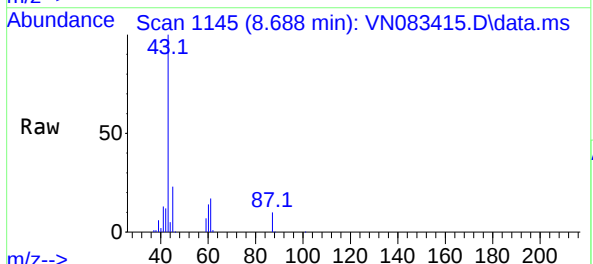
Instrument :
MSVOA_N
ClientSampleId :

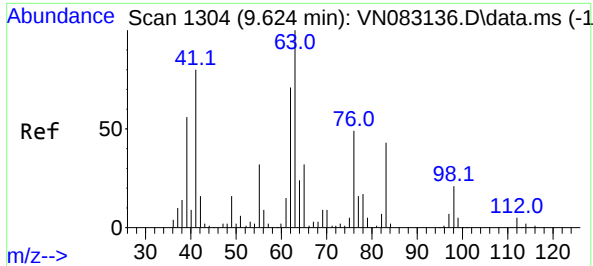
Tgt Ion: 62 Resp: 940
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8



#43
Isopropyl Acetate
Concen: 48.091 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

Tgt Ion: 43 Resp: 257873
Ion Ratio Lower Upper
43 100
61 9.3 17.8 26.6#
87 6.3 8.2 12.2#

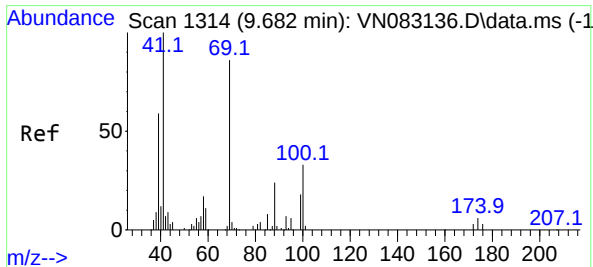
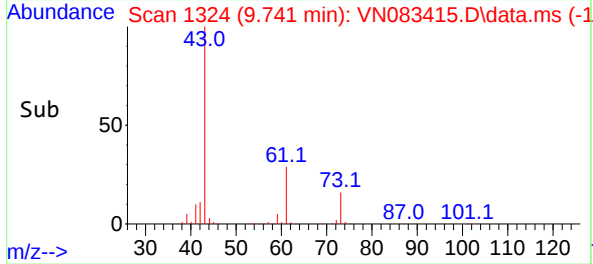
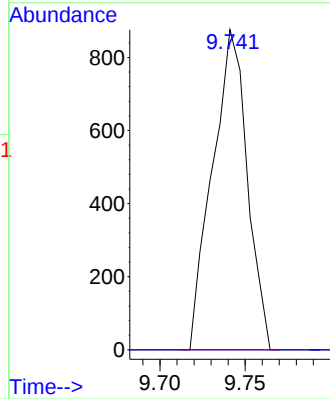
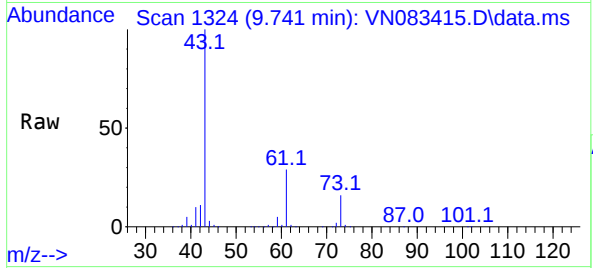




#45
1,2-Dichloropropane
Concen: 0.640 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

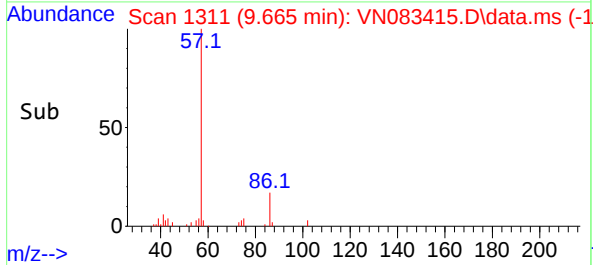
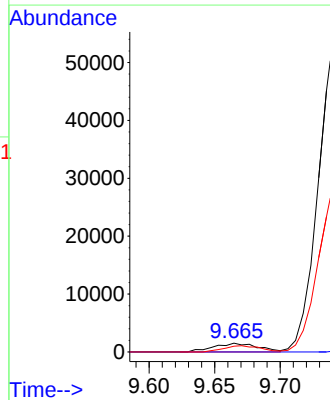
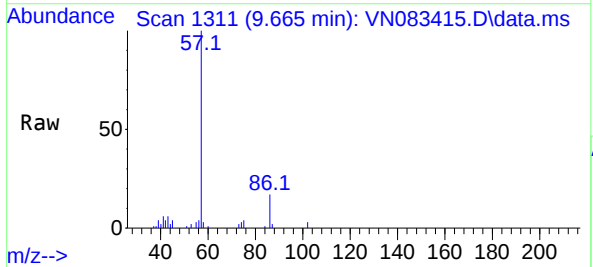
Instrument :
MSVOA_N
ClientSampleId :

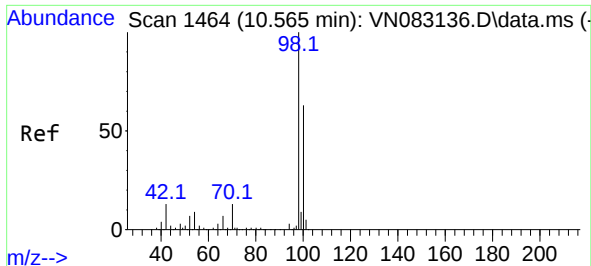
Tgt Ion: 63 Resp: 1246
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



#48
Methyl methacrylate
Concen: 1.384 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

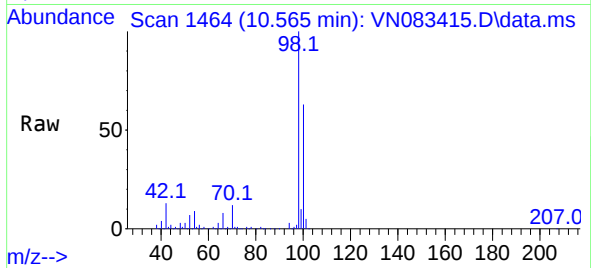
Tgt Ion: 41 Resp: 3528
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 60.1 50.3 75.5



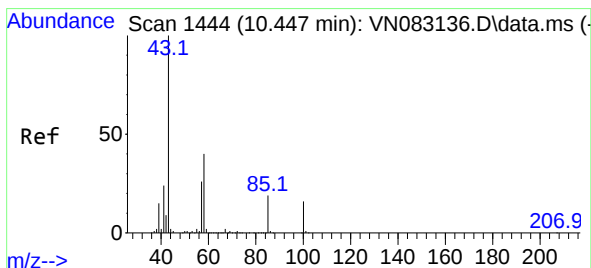
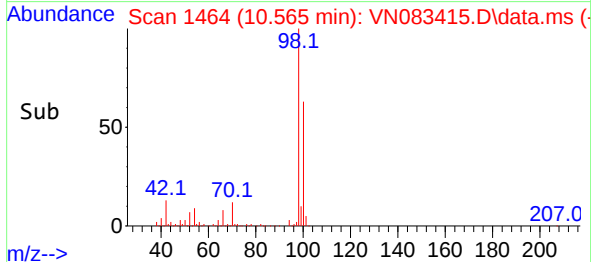
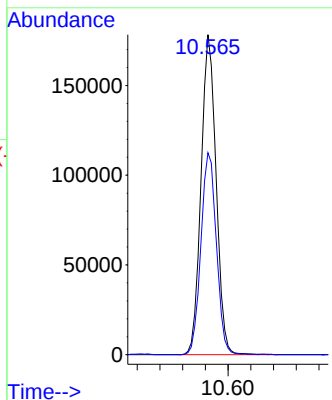


#50
Toluene-d8
Concen: 48.149 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

Instrument :
MSVOA_N
ClientSampleId :

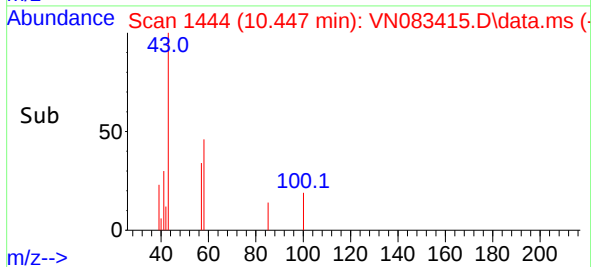
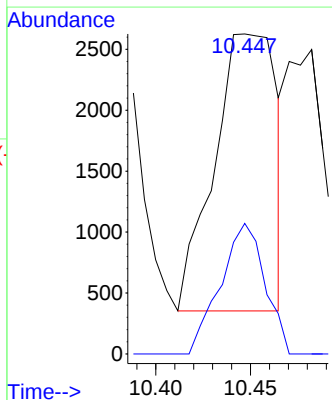
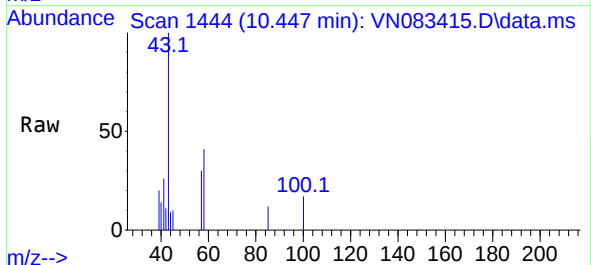


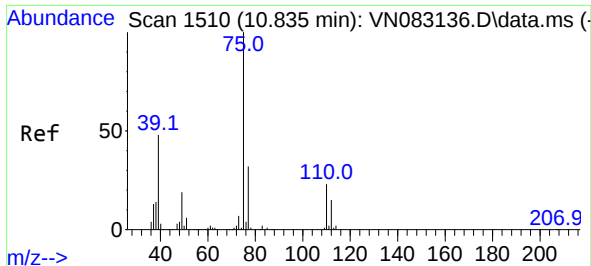
Tgt Ion: 98 Resp: 326997
Ion Ratio Lower Upper
98 100
100 64.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.777 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

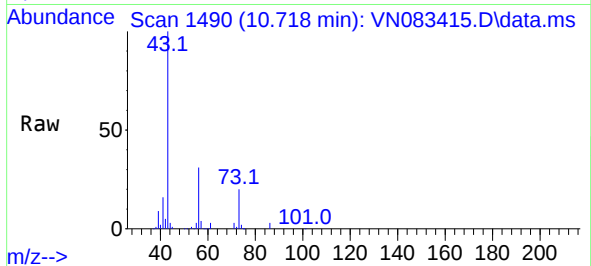
Tgt Ion: 43 Resp: 5181
Ion Ratio Lower Upper
43 100
58 33.8 28.2 42.4



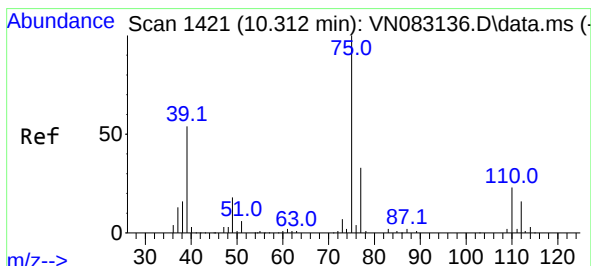
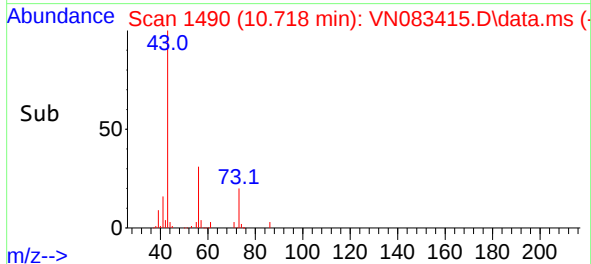
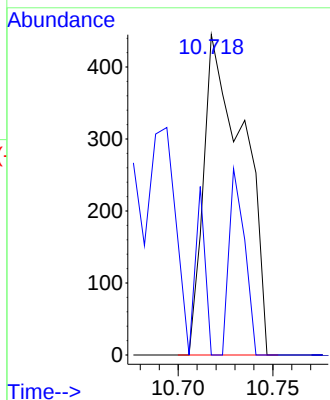


#53
t-1,3-Dichloropropene
Concen: 0.203 ug/l
RT: 10.718 min Scan# 1490
Delta R.T. -0.118 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

Instrument :
MSVOA_N
ClientSampleId :

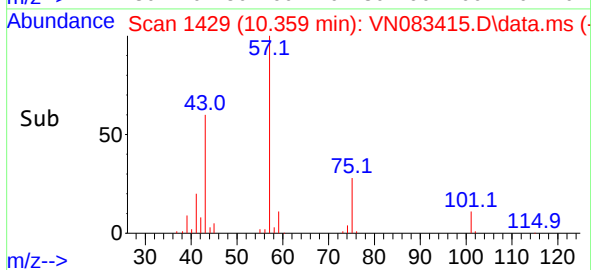
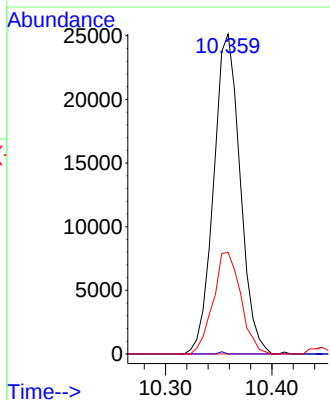
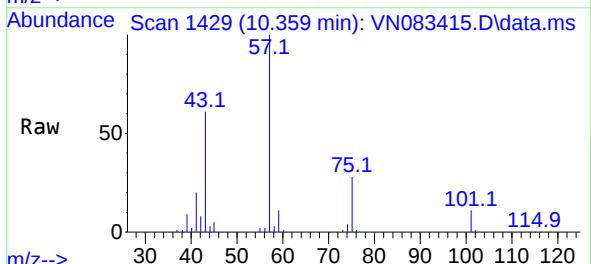


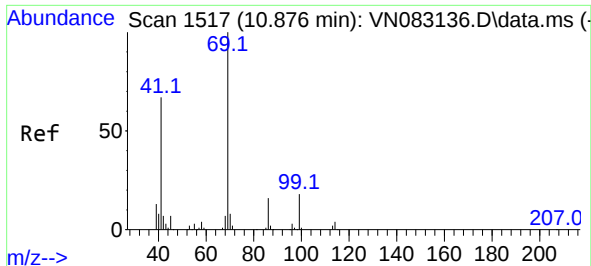
Tgt Ion: 75 Resp: 653
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 12.677 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

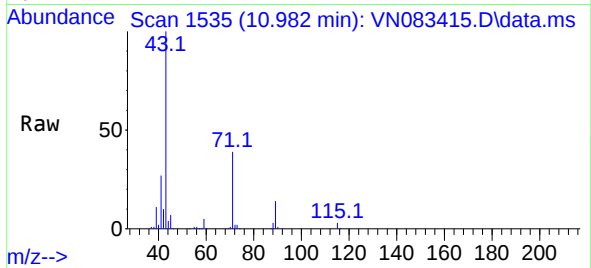
Tgt Ion: 75 Resp: 43352
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 31.8 50.5 75.7#



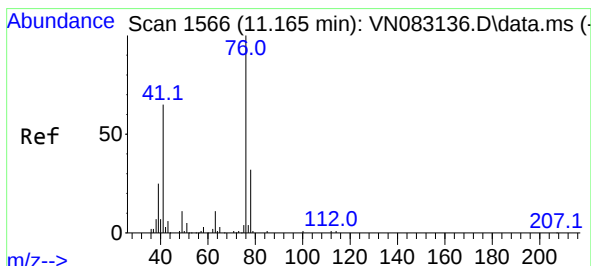
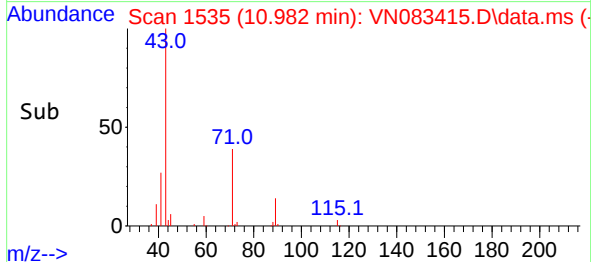
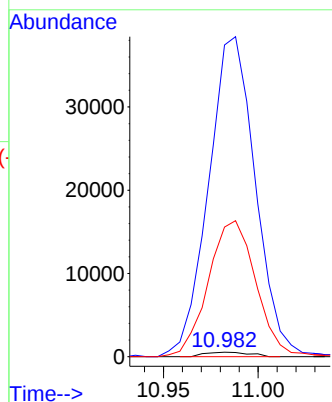


#56
Ethyl methacrylate
Concen: 0.255 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

Instrument :
MSVOA_N
ClientSampleId :

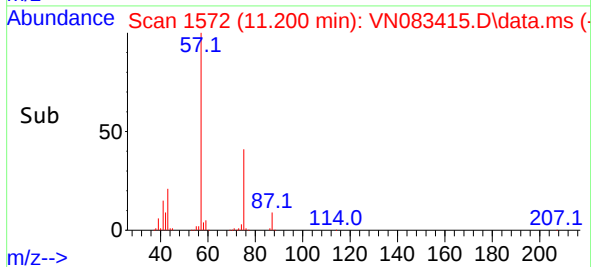
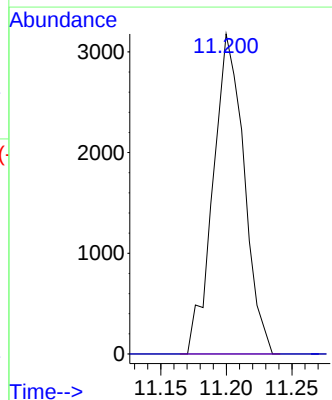
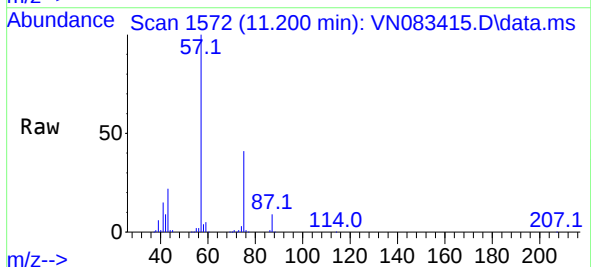


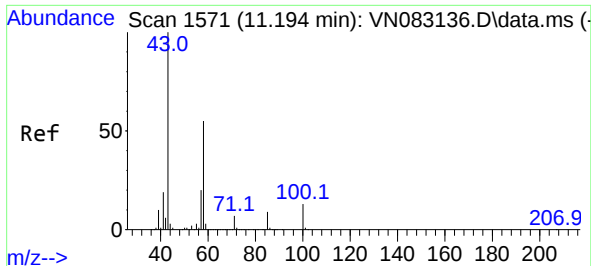
Tgt Ion: 69 Resp: 893
Ion Ratio Lower Upper
69 100
41 7438.0 63.4 95.2#
39 3206.7 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.575 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

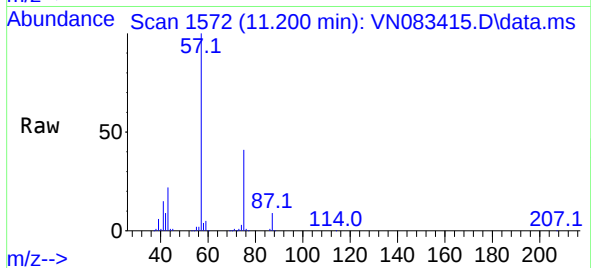
Tgt Ion: 76 Resp: 5214
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



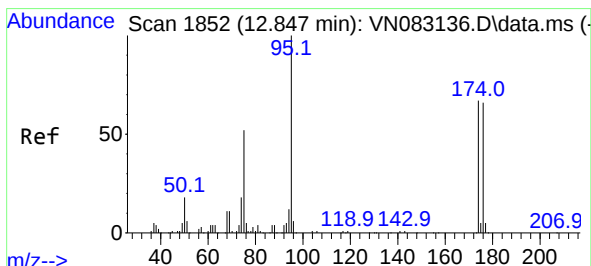
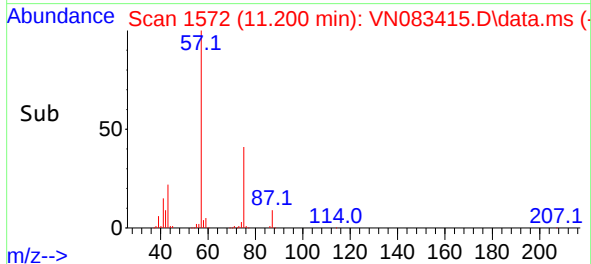
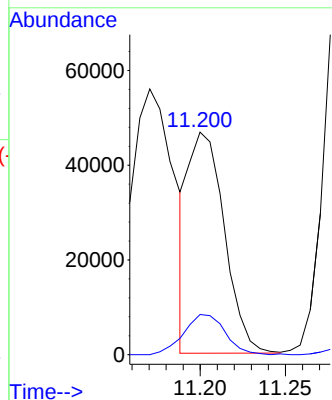


#59
2-Hexanone
Concen: 30.420 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

Instrument :
MSVOA_N
ClientSampleId :

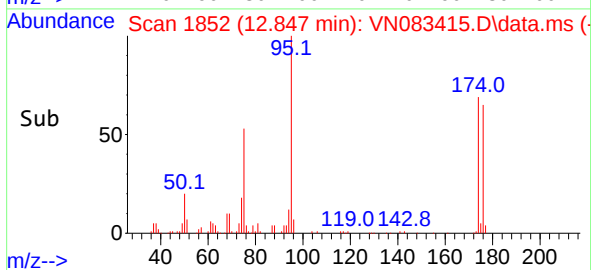
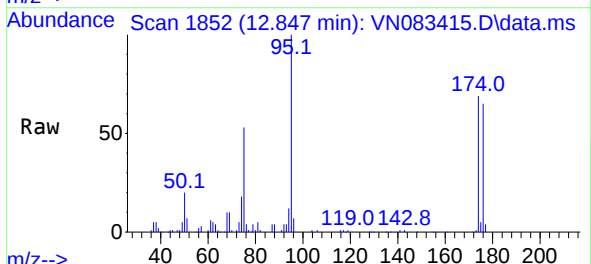
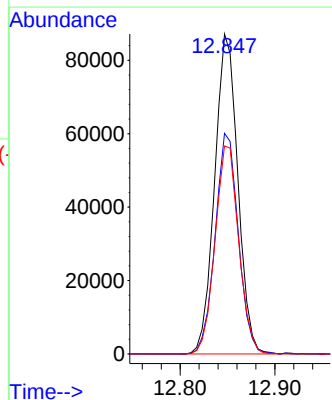


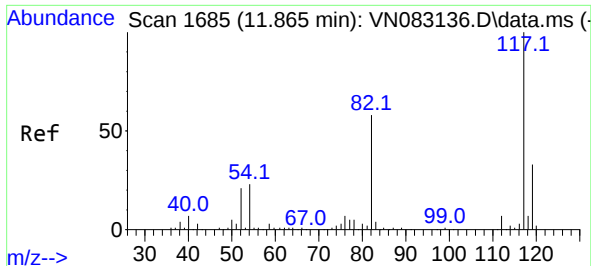
Tgt Ion: 43 Resp: 68627
Ion Ratio Lower Upper
43 100
58 21.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 55.859 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

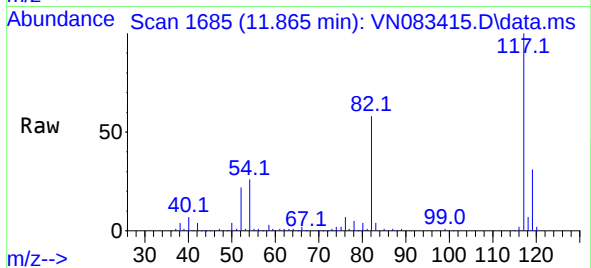
Tgt Ion: 95 Resp: 147895
Ion Ratio Lower Upper
95 100
174 69.1 0.0 159.2
176 66.4 0.0 147.6



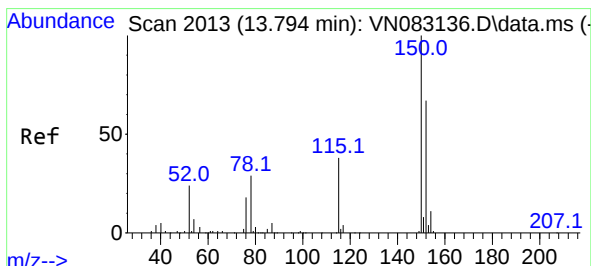
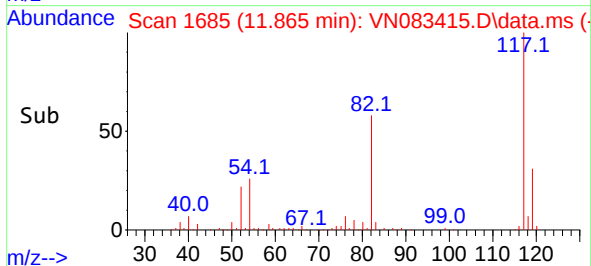
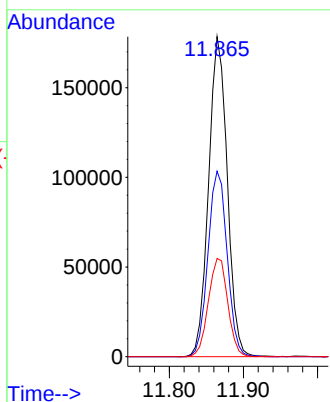


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

Instrument :
MSVOA_N
ClientSampleId :

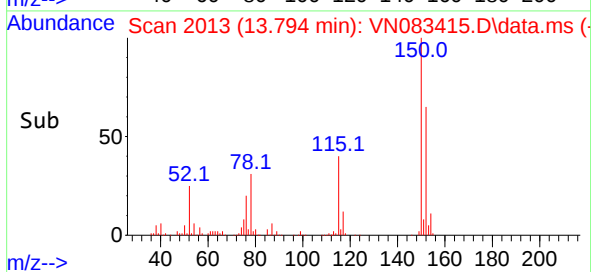
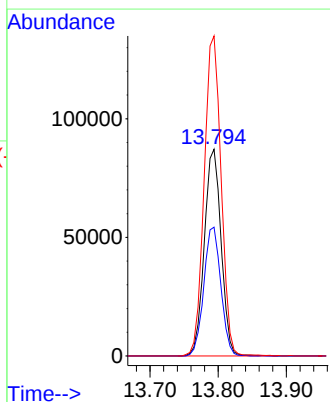
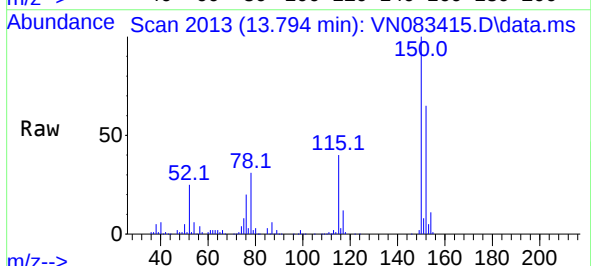


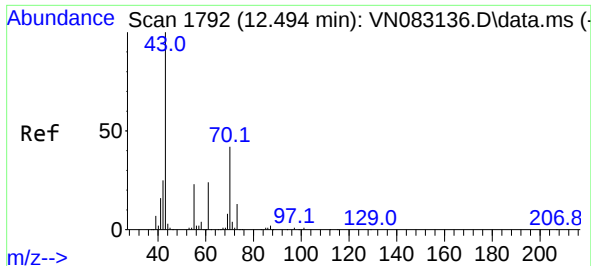
Tgt Ion:117 Resp: 312358
Ion Ratio Lower Upper
117 100
82 58.0 47.5 71.3
119 30.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

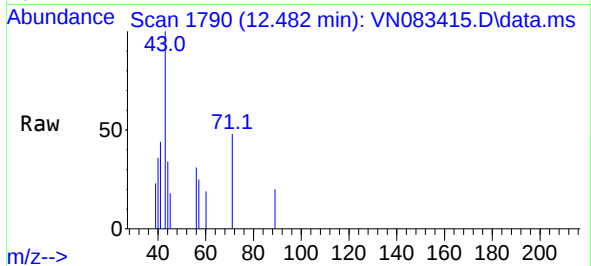
Tgt Ion:152 Resp: 149499
Ion Ratio Lower Upper
152 100
115 63.0 30.6 91.6
150 156.2 0.0 348.6





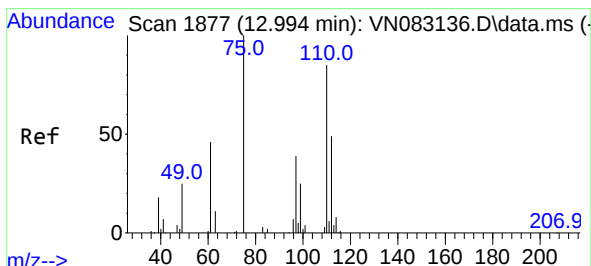
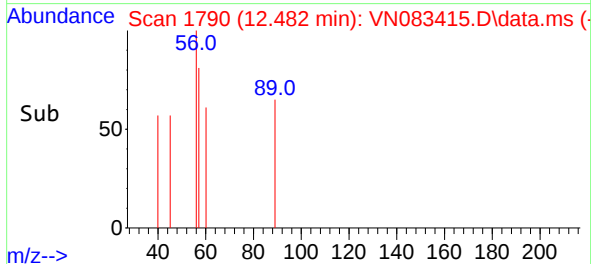
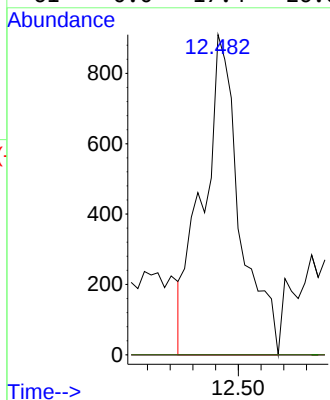
#74
N-amy1 acetate
Concen: 0.338 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 2069

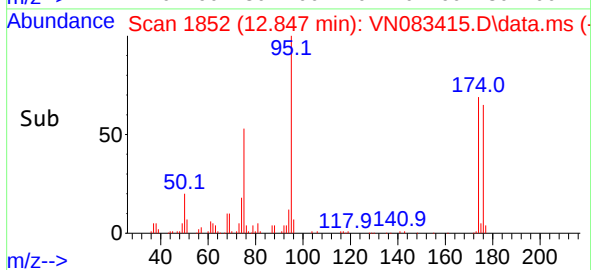
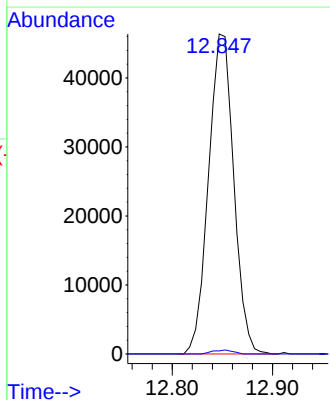
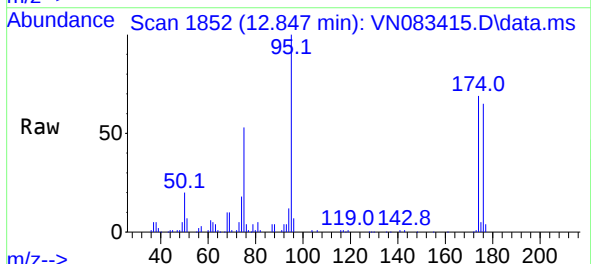
Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.8	44.6#
55	0.0	18.7	28.1#
61	0.0	17.4	26.0#

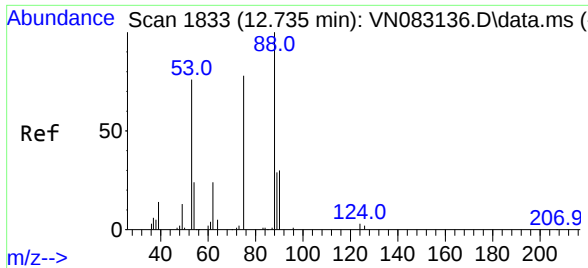


#76
1,2,3-Trichloropropane
Concen: 24.675 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

Tgt Ion: 75 Resp: 80962

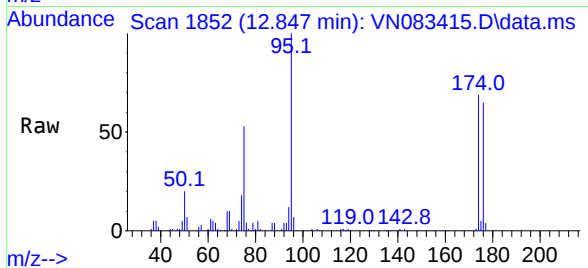
Ion	Ratio	Lower	Upper
75	100		
77	1.0	110.9	332.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 53.674 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083415.D
Acq: 21 Aug 2024 17:54

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 80962
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

