

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082124\
 Data File : VN083416.D
 Acq On : 21 Aug 2024 18:19
 Operator : JC\MD
 Sample : PB162872ZHE02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 22 01:49:24 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)

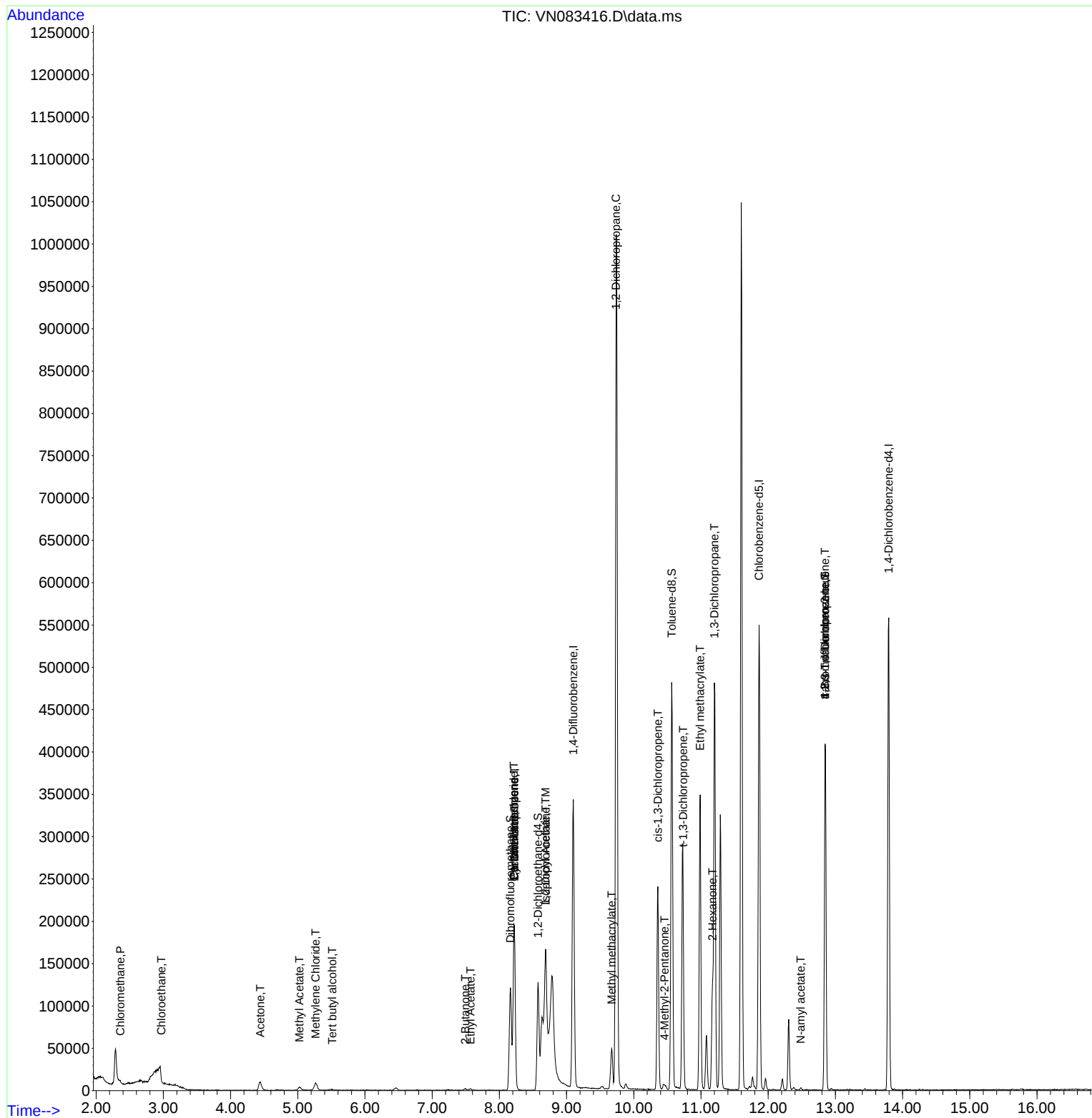
Internal Standards						
1) Pentafluorobenzene	8.218	168	135039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	284310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	305565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	145169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	108037	56.207	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.420%
35) Dibromofluoromethane	8.165	113	87309	49.199	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.400%
50) Toluene-d8	10.565	98	324044	48.952	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.900%
62) 4-Bromofluorobenzene	12.847	95	144998	56.185	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	112.360%
Target Compounds						
						Qvalue
3) Chloromethane	2.359	50	742	0.473	ug/l #	43
6) Chloroethane	2.971	64	2437	2.435	ug/l #	72
11) Tert butyl alcohol	5.512	59	495	1.239	ug/l #	71
16) Acetone	4.441	43	18294	24.323	ug/l	99
18) Methyl Acetate	5.024	43	7711	3.441	ug/l	97
20) Methylene Chloride	5.265	84	6367	3.678	ug/l #	74
25) 2-Butanone	7.494	43	3386	2.932	ug/l #	82
31) Cyclohexane	8.224	56	3184	1.118	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	12156	4.528	ug/l #	50
37) Ethyl Acetate	7.571	43	3318	1.104	ug/l #	86
38) Carbon Tetrachloride	8.218	117	15920	5.265	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1111	0.381	ug/l #	78
43) Isopropyl Acetate	8.688	43	214806	40.637	ug/l #	83
45) 1,2-Dichloropropane	9.735	63	1096	0.577	ug/l #	44
48) Methyl methacrylate	9.671	41	3309	1.332	ug/l #	53
51) 4-Methyl-2-Pentanone	10.459	43	7789	2.740	ug/l #	75
53) t-1,3-Dichloropropene	10.735	75	657	0.210	ug/l #	72
54) cis-1,3-Dichloropropene	10.359	75	41952	12.586	ug/l #	56
56) Ethyl methacrylate	10.988	69	1077	0.315	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4820	1.493	ug/l #	43
59) 2-Hexanone	11.170	43	100643	45.769	ug/l #	28
74) N-amyl acetate	12.482	43	2311	0.389	ug/l #	48
76) 1,2,3-Trichloropropane	12.847	75	80568	25.287	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80568	55.006	ug/l #	6

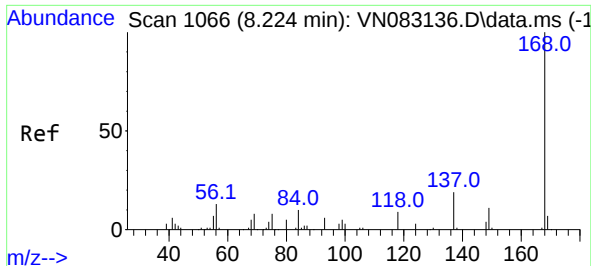
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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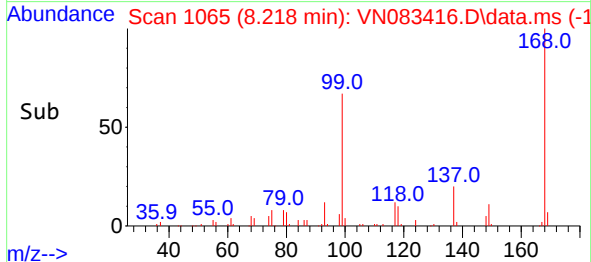
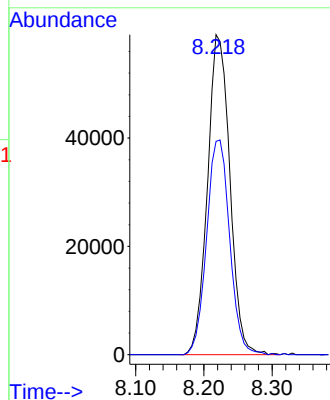
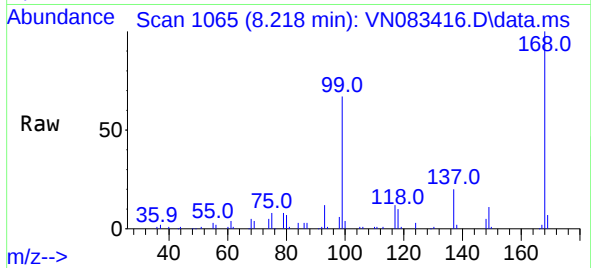




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1066
Delta R.T. -0.006 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

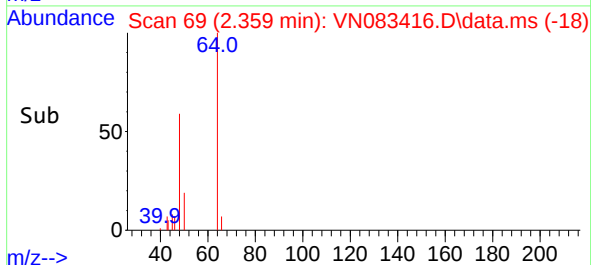
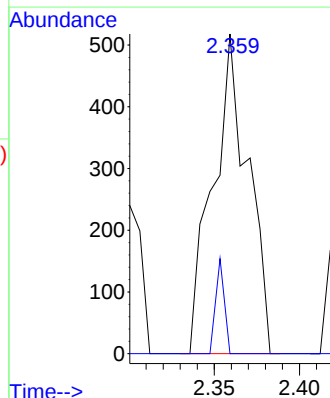
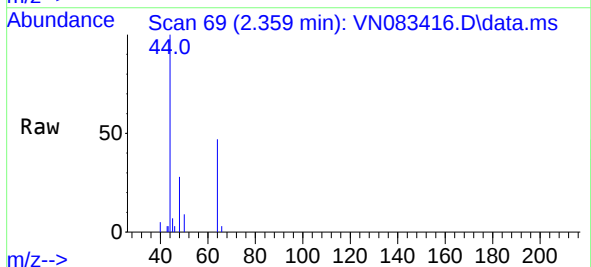
Instrument :
MSVOA_N
ClientSampleId :

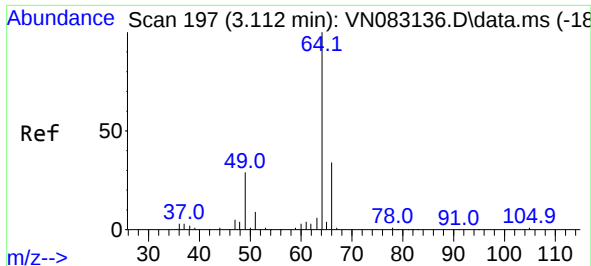
Tgt Ion:168 Resp: 135039
Ion Ratio Lower Upper
168 100
99 66.6 48.2 72.4



#3
Chloromethane
Concen: 0.473 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

Tgt Ion: 50 Resp: 742
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

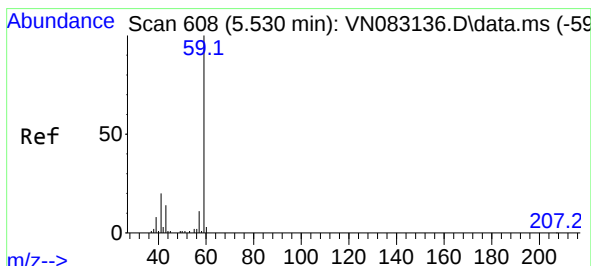
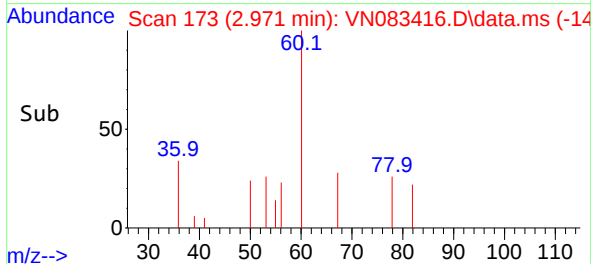
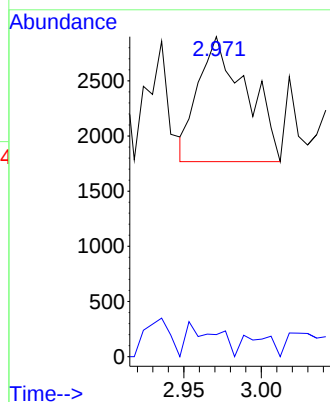
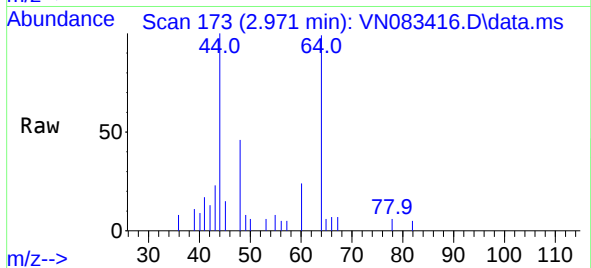




#6
Chloroethane
Concen: 2.435 ug/l
RT: 2.971 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

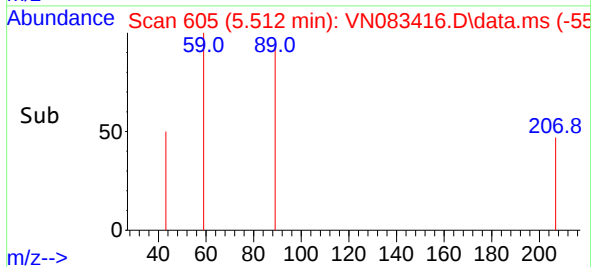
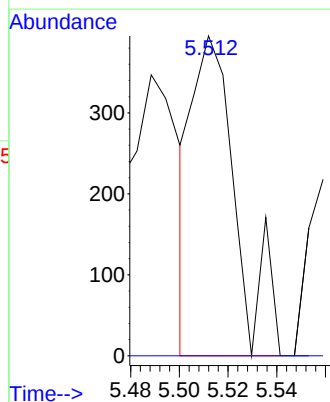
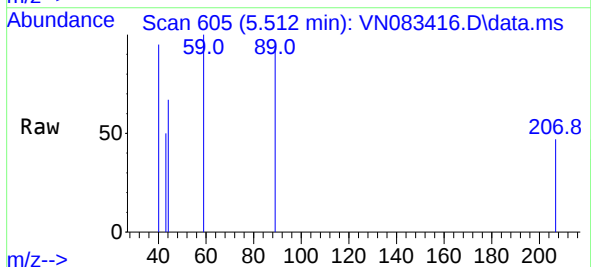
Instrument :
MSVOA_N
ClientSampleId :

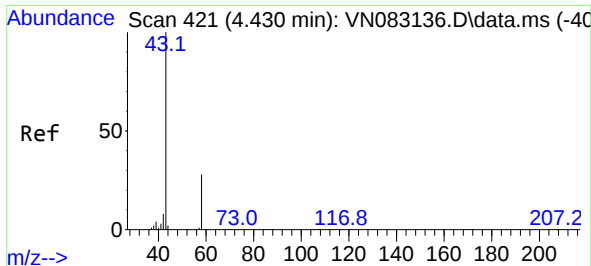
Tgt Ion: 64 Resp: 2437
Ion Ratio Lower Upper
64 100
66 17.7 26.6 40.0#



#11
Tert butyl alcohol
Concen: 1.239 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.018 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

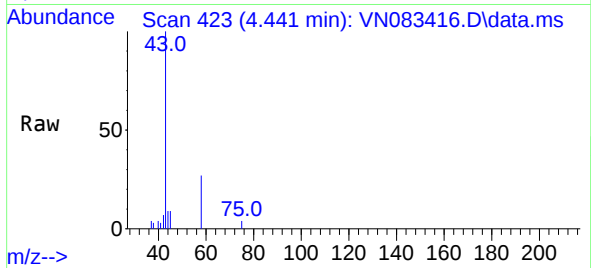
Tgt Ion: 59 Resp: 495
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



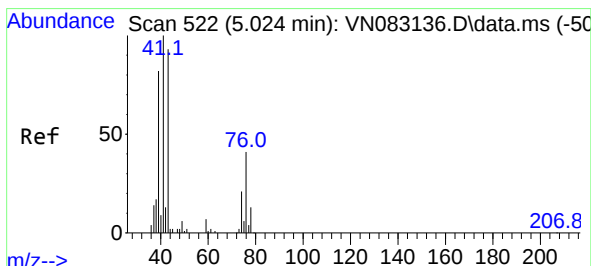
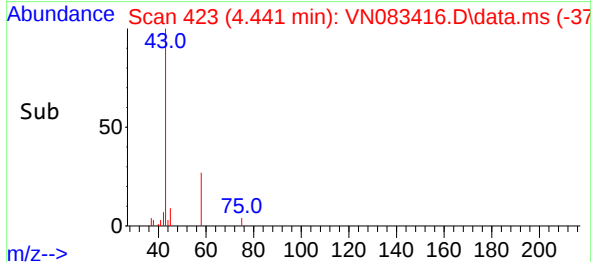
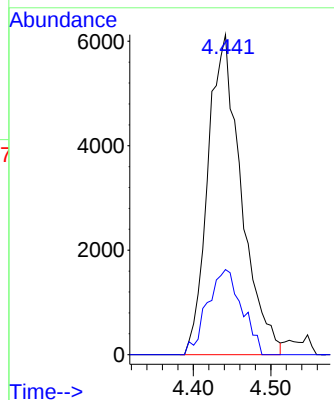


#16
Acetone
Concen: 24.323 ug/l
RT: 4.441 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

Instrument :
MSVOA_N
ClientSampleId :

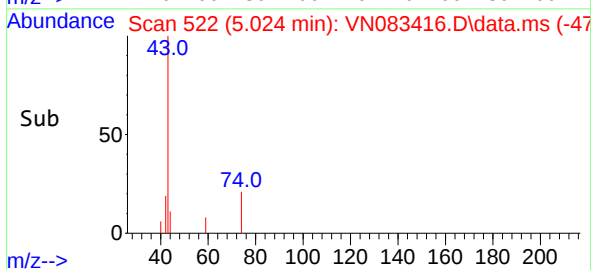
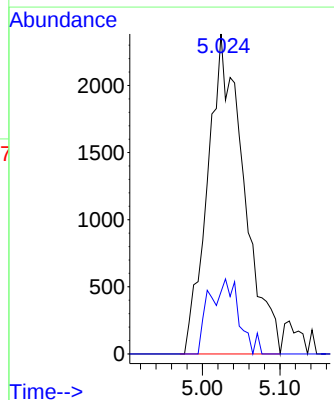
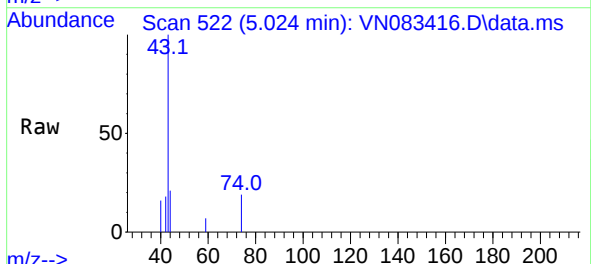


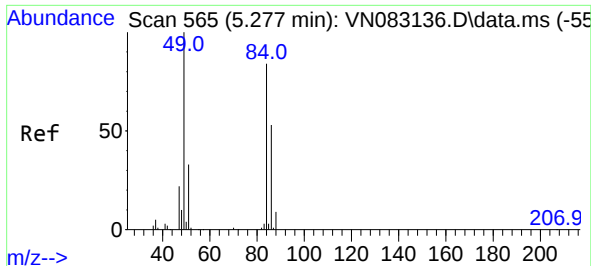
Tgt Ion: 43 Resp: 18294
Ion Ratio Lower Upper
43 100
58 26.6 21.8 32.6



#18
Methyl Acetate
Concen: 3.441 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

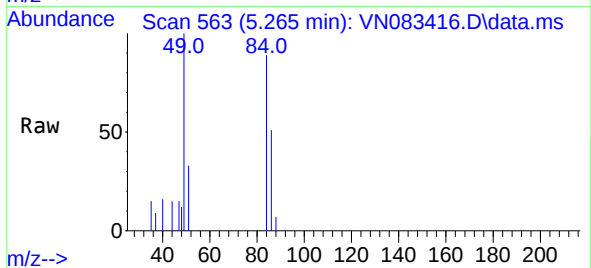
Tgt Ion: 43 Resp: 7711
Ion Ratio Lower Upper
43 100
74 19.2 16.3 24.5





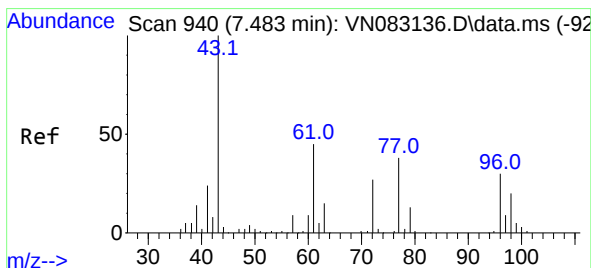
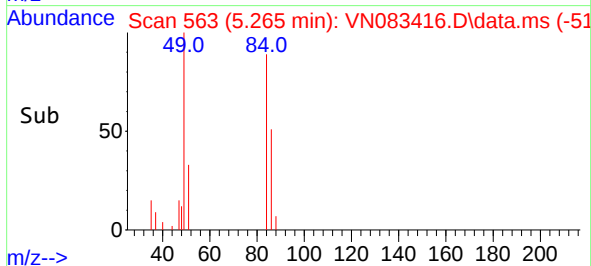
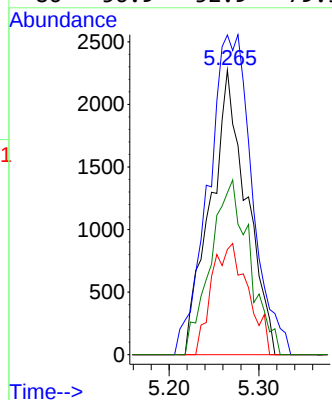
#20
Methylene Chloride
Concen: 3.678 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 6367

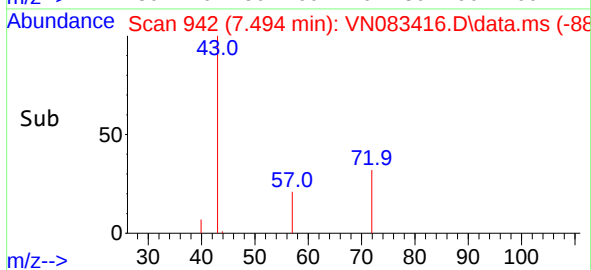
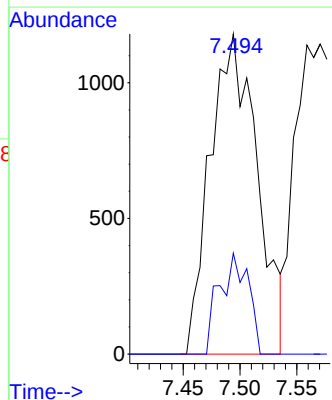
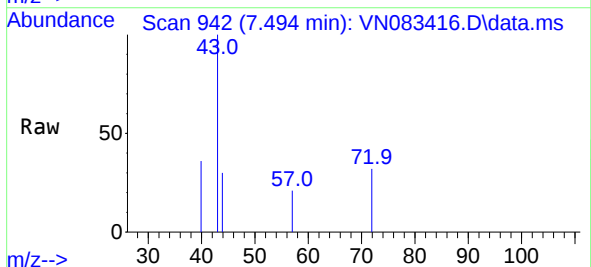
Ion	Ratio	Lower	Upper
84	100		
49	103.3	119.6	179.4#
51	37.0	34.8	52.2
86	56.9	52.9	79.3

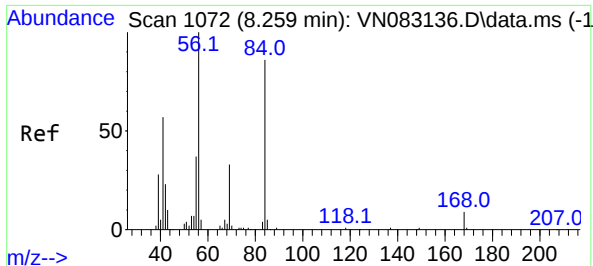


#25
2-Butanone
Concen: 2.932 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

Tgt Ion: 43 Resp: 3386

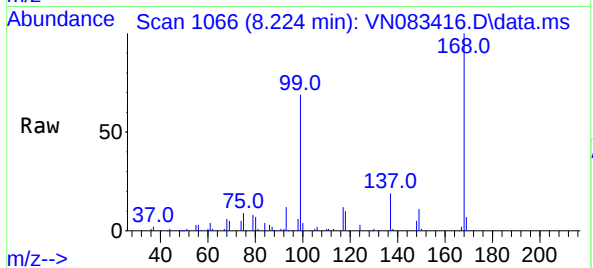
Ion	Ratio	Lower	Upper
43	100		
72	31.5	18.2	27.2#



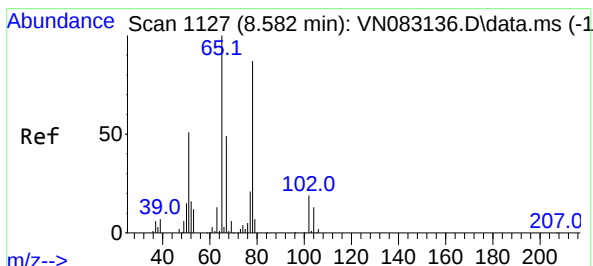
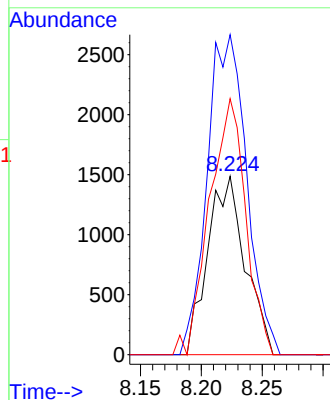
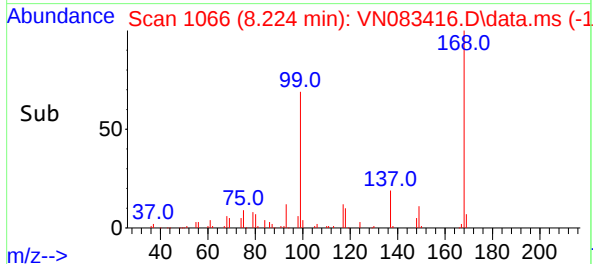


#31
Cyclohexane
Concen: 1.118 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

Instrument :
MSVOA_N
ClientSampleId :

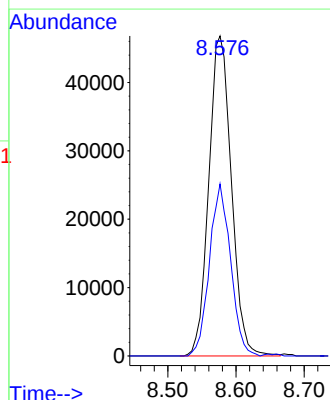
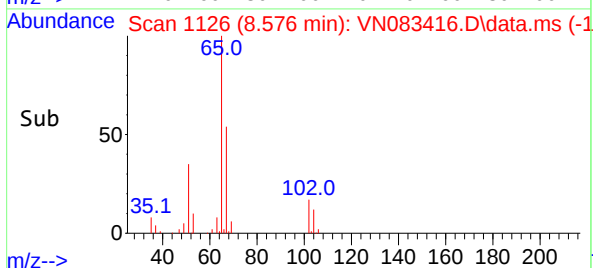
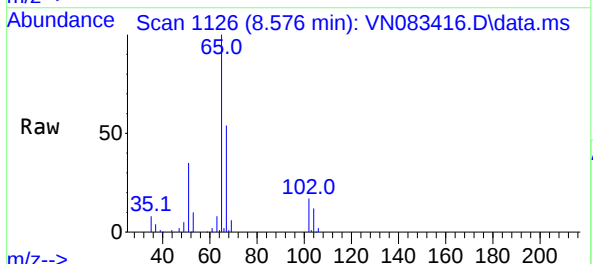


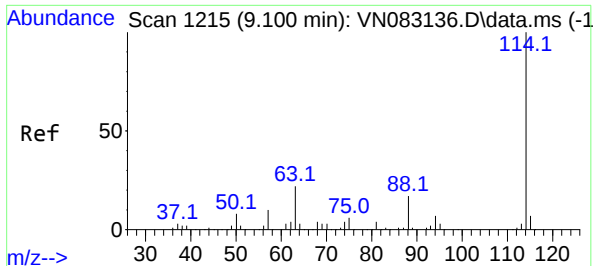
Tgt Ion: 56 Resp: 3184
Ion Ratio Lower Upper
56 100
69 179.4 24.5 36.7#
84 143.5 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 56.207 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

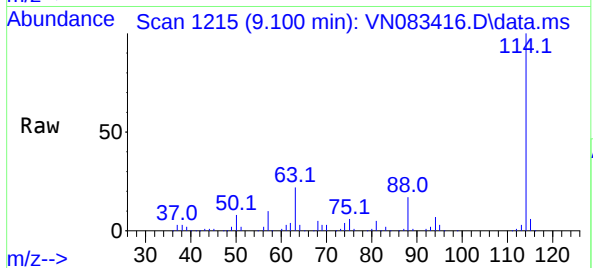
Tgt Ion: 65 Resp: 108037
Ion Ratio Lower Upper
65 100
67 50.2 0.0 104.4



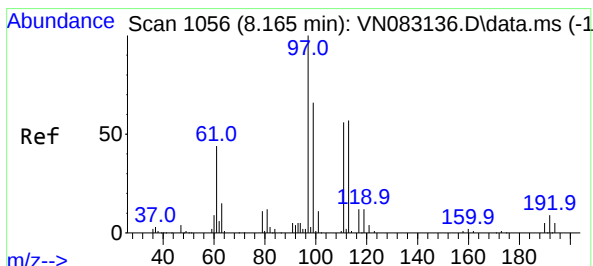
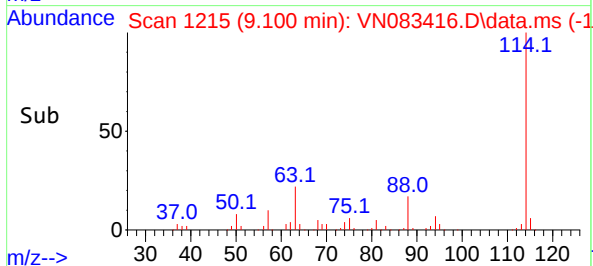
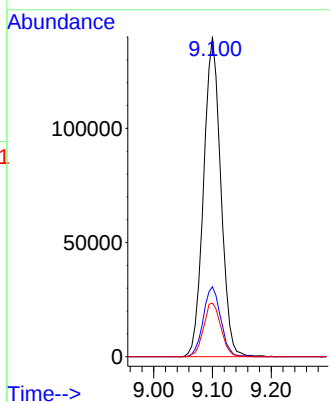


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

Instrument :
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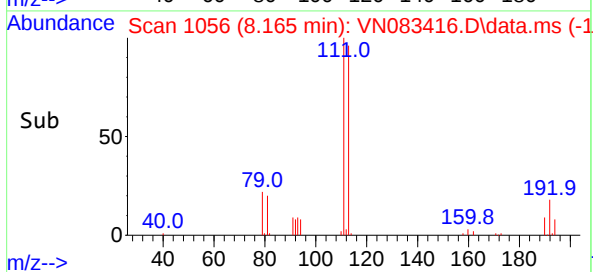
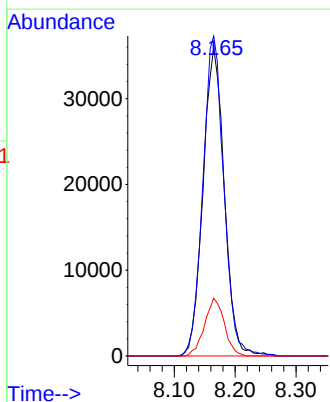
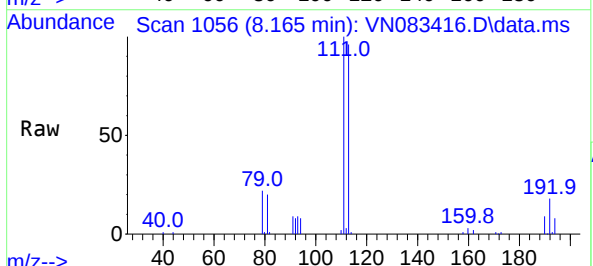


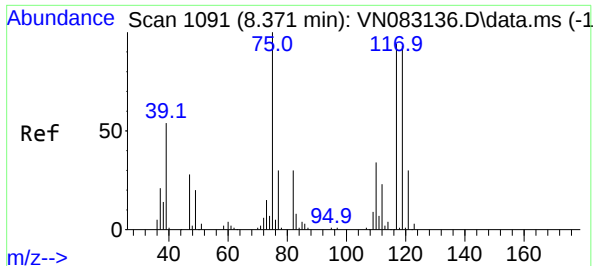
Tgt Ion:114 Resp: 284310
Ion Ratio Lower Upper
114 100
63 21.9 0.0 44.6
88 16.8 0.0 31.4



#35
Dibromofluoromethane
Concen: 49.199 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

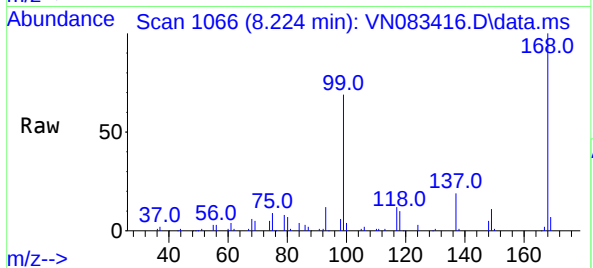
Tgt Ion:113 Resp: 87309
Ion Ratio Lower Upper
113 100
111 102.2 82.4 123.6
192 17.4 14.9 22.3



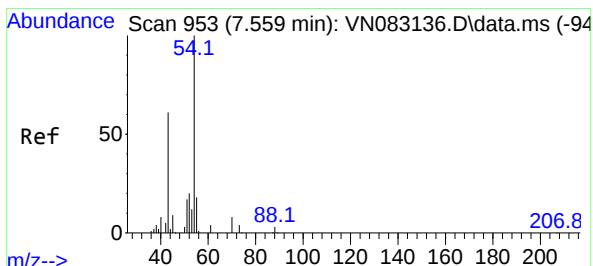
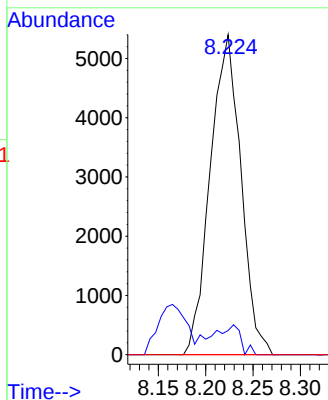
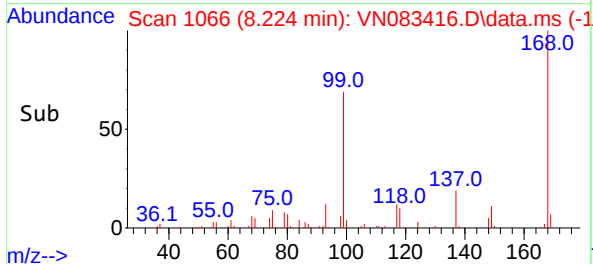


#36
1,1-Dichloropropene
Concen: 4.528 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

Instrument :
MSVOA_N
ClientSampleId :

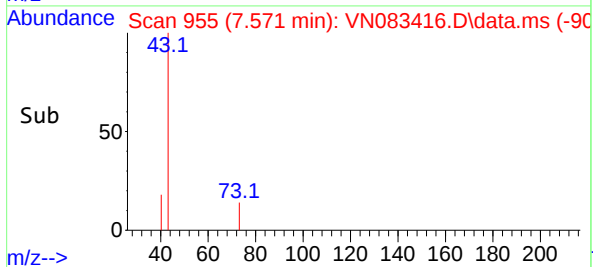
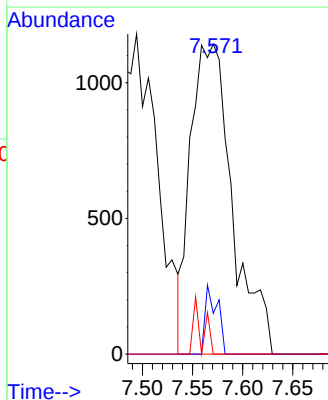
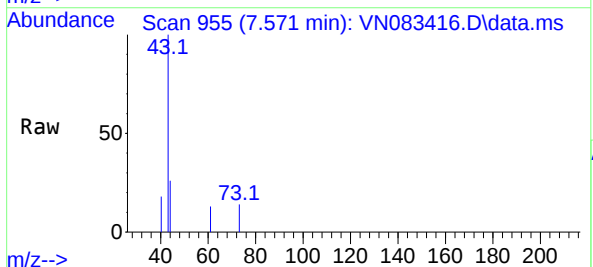


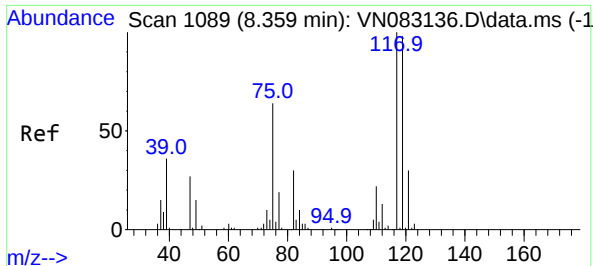
Tgt Ion: 75 Resp: 12156
Ion Ratio Lower Upper
75 100
110 7.4 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.104 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

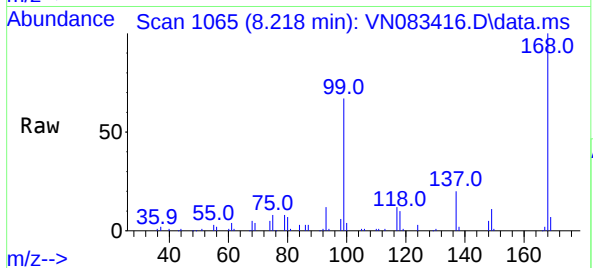
Tgt Ion: 43 Resp: 3318
Ion Ratio Lower Upper
43 100
61 6.4 9.3 13.9#
70 3.9 7.0 10.6#



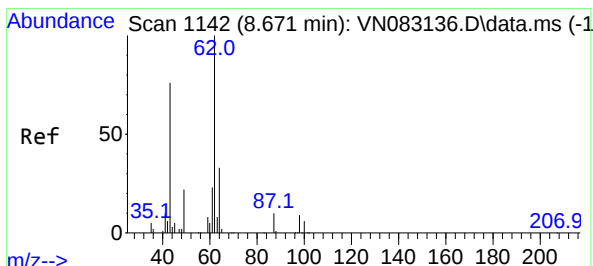
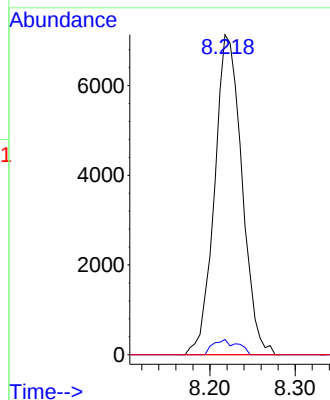
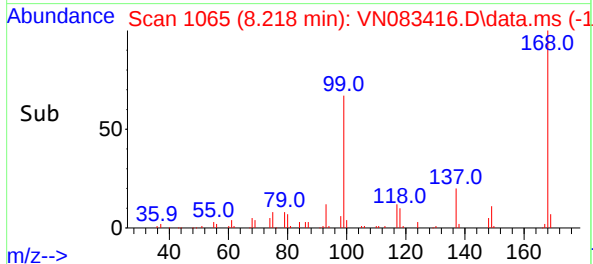


#38
Carbon Tetrachloride
Concen: 5.265 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

Instrument :
MSVOA_N
ClientSampleId :

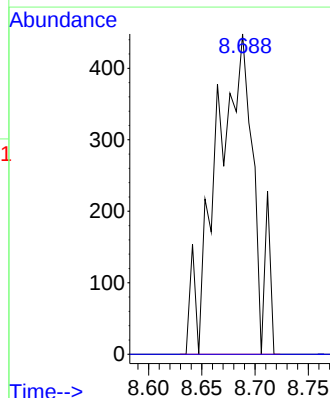
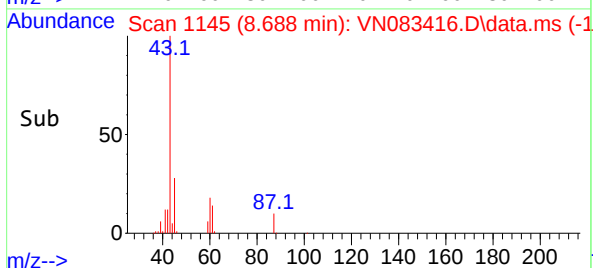
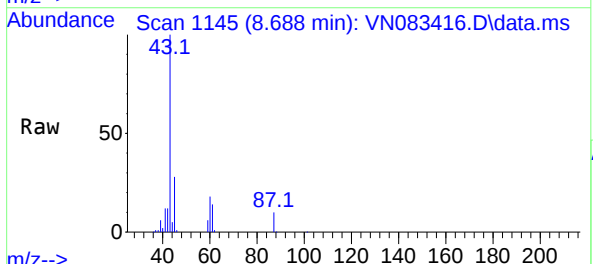


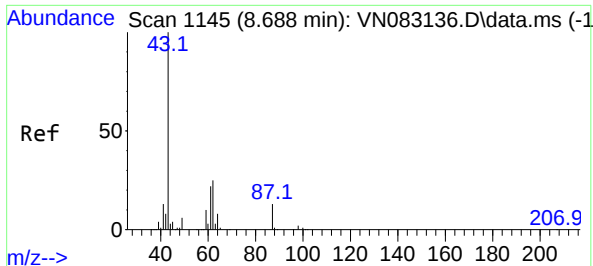
Tgt Ion:117 Resp: 15920
Ion Ratio Lower Upper
117 100
119 4.8 74.9 112.3#
121 0.0 24.3 36.5#



#42
1,2-Dichloroethane
Concen: 0.381 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

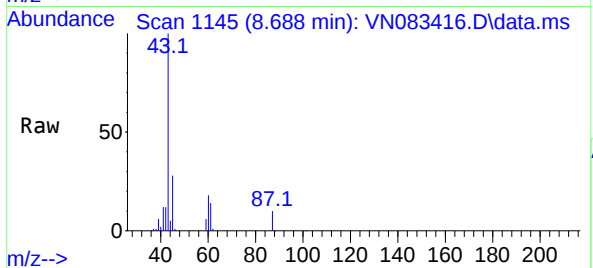
Tgt Ion: 62 Resp: 1111
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8



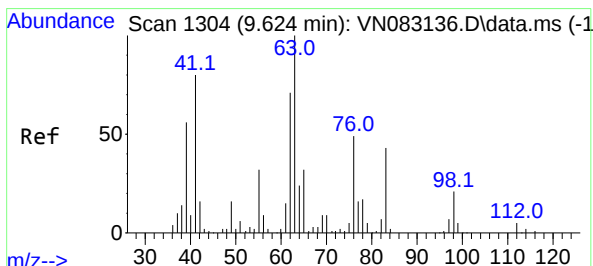
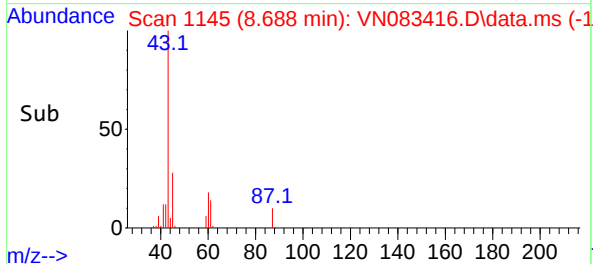
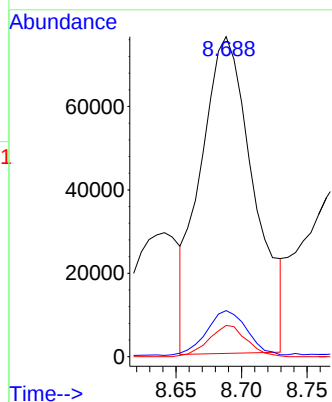


#43
Isopropyl Acetate
Concen: 40.637 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

Instrument :
MSVOA_N
ClientSampleId :

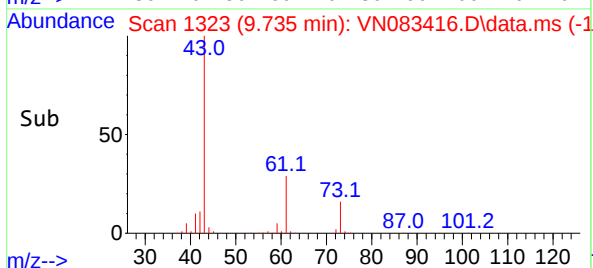
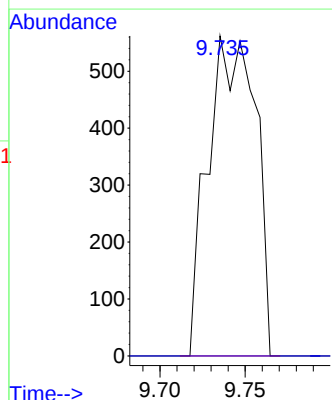
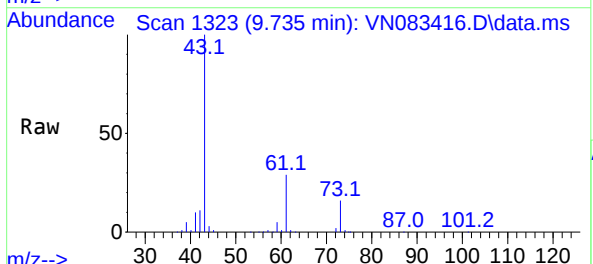


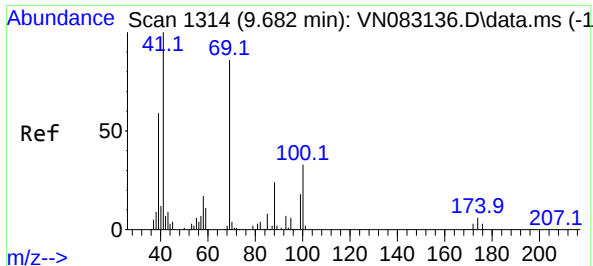
Tgt Ion: 43 Resp: 214806
Ion Ratio Lower Upper
43 100
61 11.9 17.8 26.6#
87 7.1 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.577 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.112 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

Tgt Ion: 63 Resp: 1096
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#





#48

Methyl methacrylate

Concen: 1.332 ug/l

RT: 9.671 min Scan# 11

Delta R.T. -0.012 min

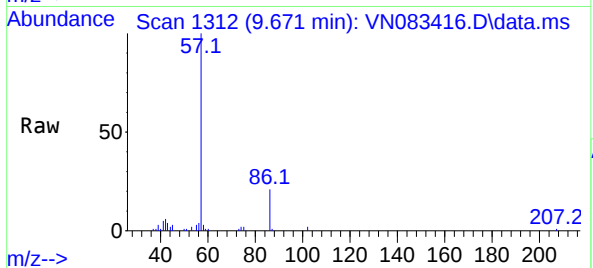
Lab File: VN083416.D

Acq: 21 Aug 2024 18:19

Instrument :

MSVOA_N

ClientSampleId :



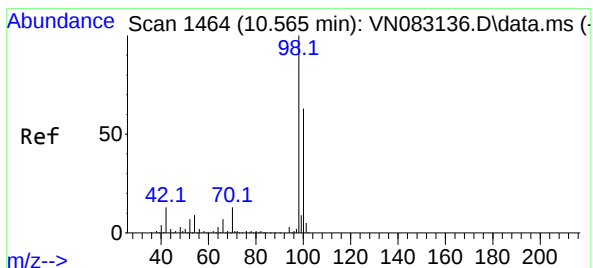
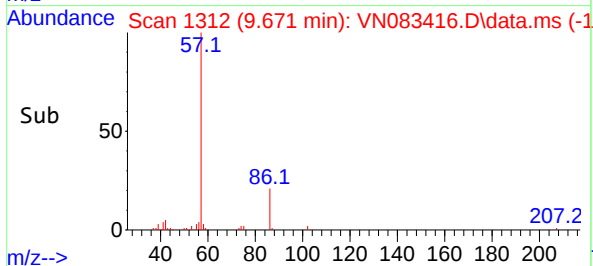
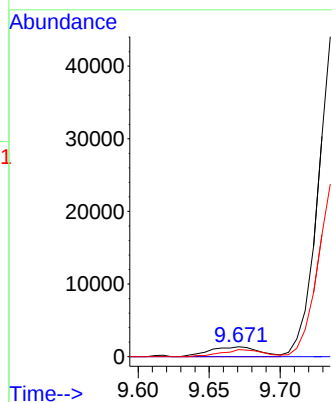
Tgt Ion: 41 Resp: 3309

Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 59.7 50.3 75.5



#50

Toluene-d8

Concen: 48.952 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083416.D

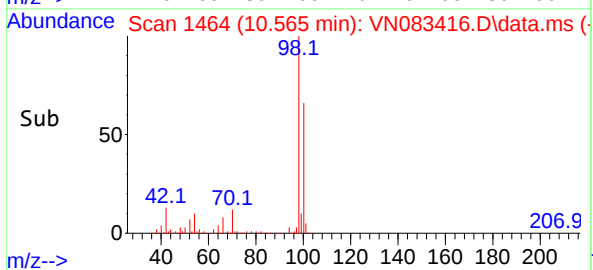
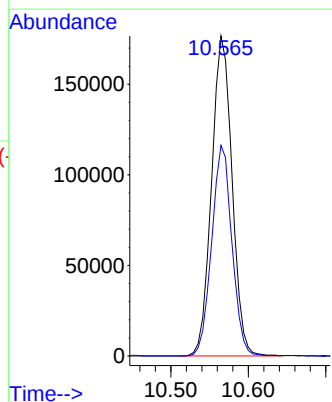
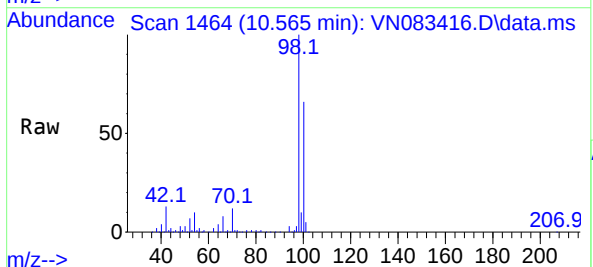
Acq: 21 Aug 2024 18:19

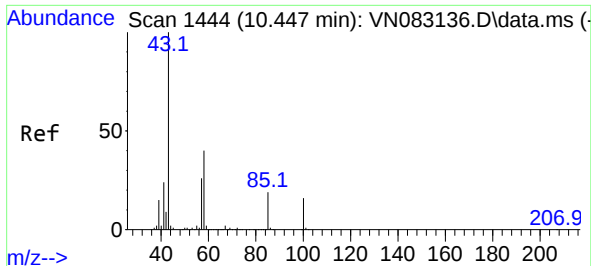
Tgt Ion: 98 Resp: 324044

Ion Ratio Lower Upper

98 100

100 65.1 51.5 77.3

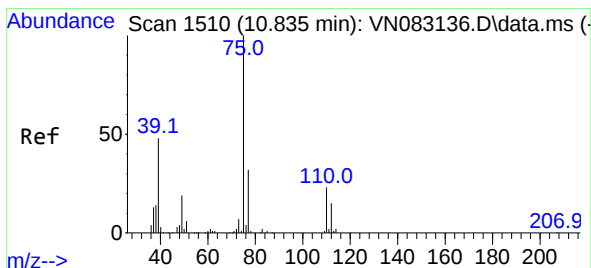
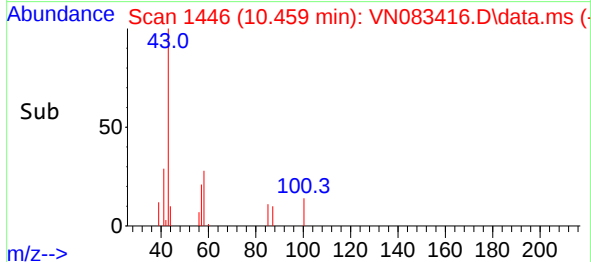
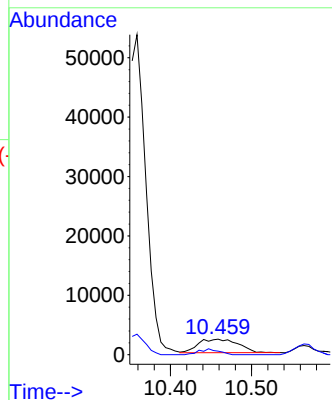
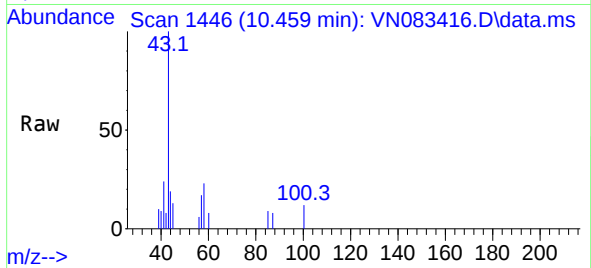




#51
4-Methyl-2-Pentanone
Concen: 2.740 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

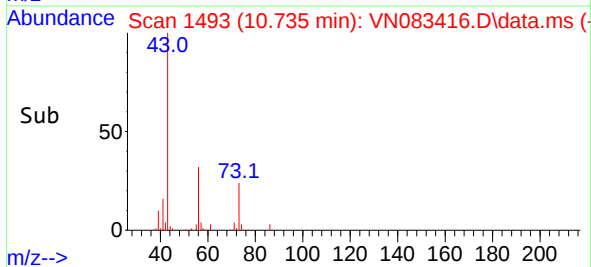
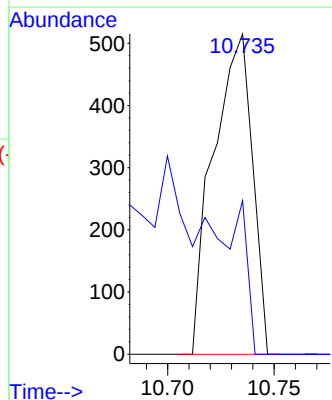
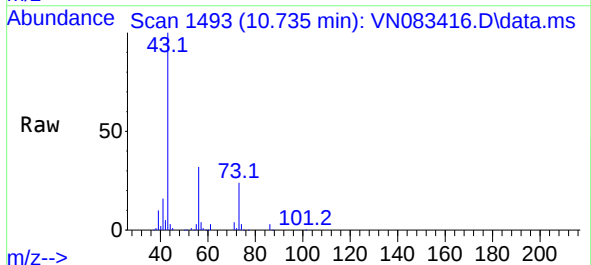
Instrument :
MSVOA_N
ClientSampleId :

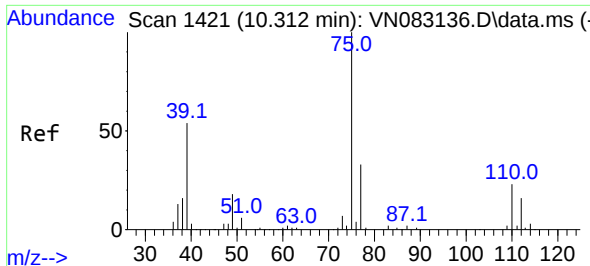
Tgt Ion: 43 Resp: 7789
Ion Ratio Lower Upper
43 100
58 20.8 28.2 42.4#



#53
t-1,3-Dichloropropene
Concen: 0.210 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

Tgt Ion: 75 Resp: 657
Ion Ratio Lower Upper
75 100
77 48.0 25.7 38.5#

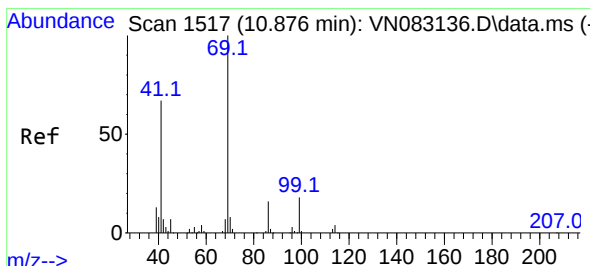
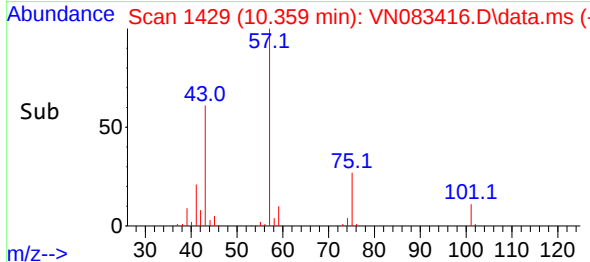
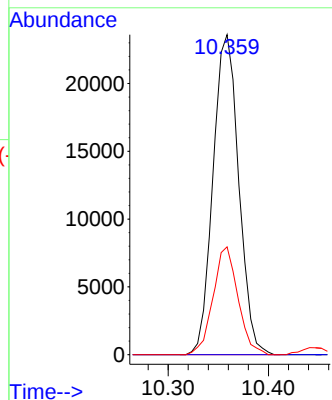
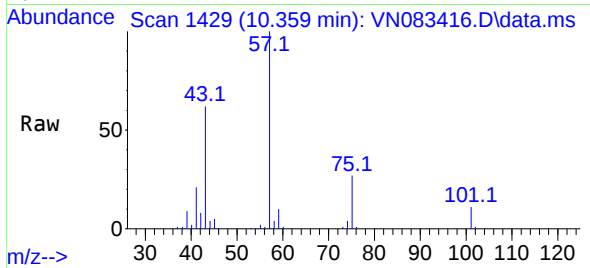




#54
 cis-1,3-Dichloropropene
 Concen: 12.586 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN083416.D
 Acq: 21 Aug 2024 18:19

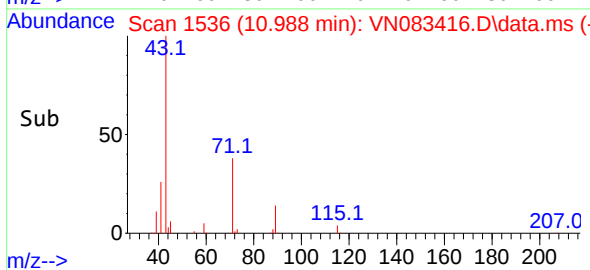
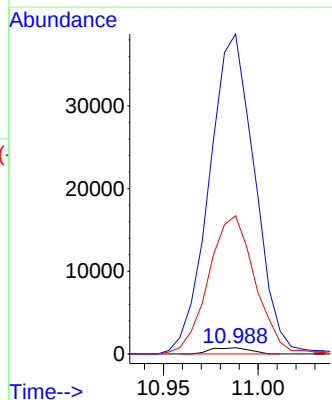
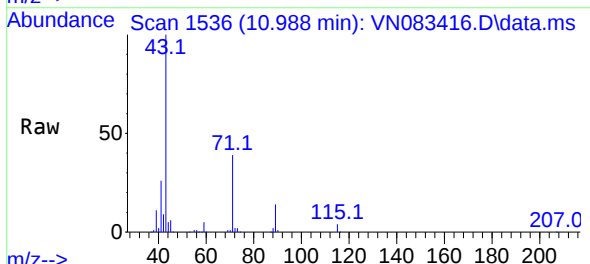
Instrument :
 MSVOA_N
 ClientSampleId :

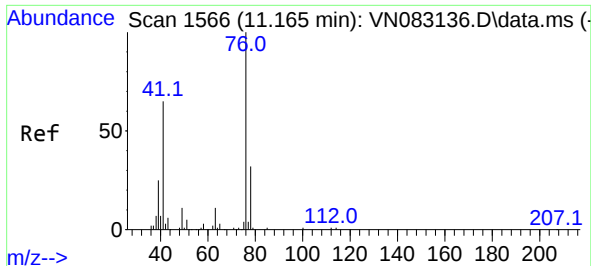
Tgt Ion: 75 Resp: 41952
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 33.7 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.315 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN083416.D
 Acq: 21 Aug 2024 18:19

Tgt Ion: 69 Resp: 1077
 Ion Ratio Lower Upper
 69 100
 41 6048.4 63.4 95.2#
 39 2668.7 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.493 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

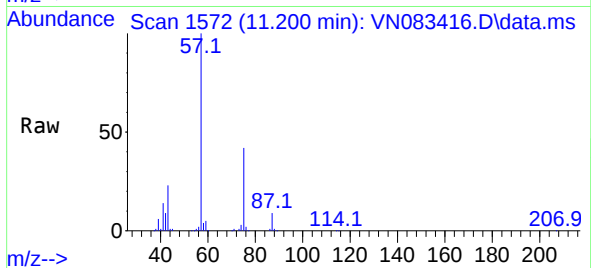
Lab File: VN083416.D

Acq: 21 Aug 2024 18:19

Instrument :

MSVOA_N

ClientSampleId :

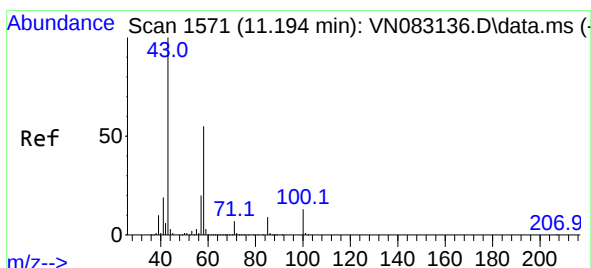
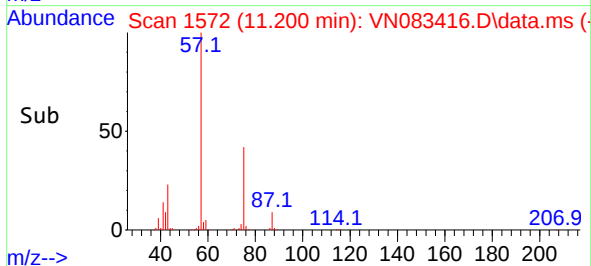
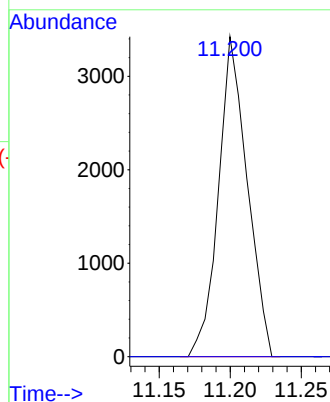


Tgt Ion: 76 Resp: 4820

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 45.769 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN083416.D

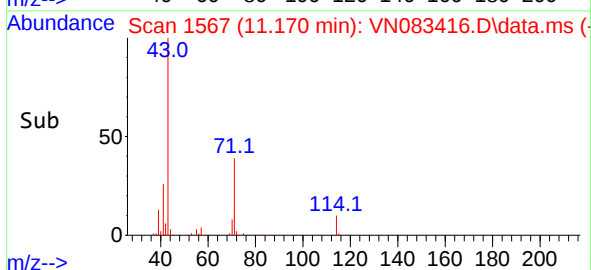
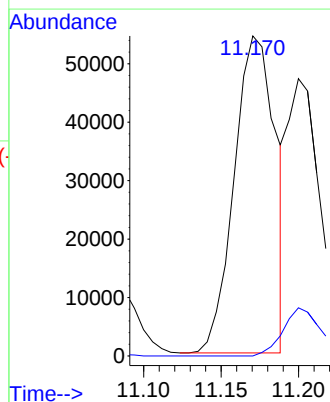
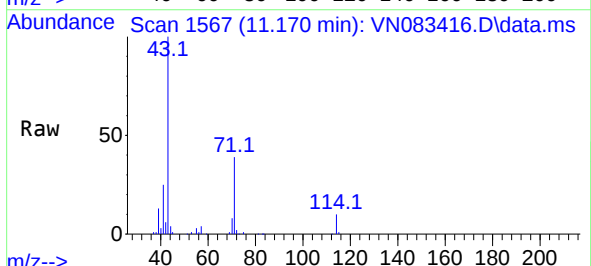
Acq: 21 Aug 2024 18:19

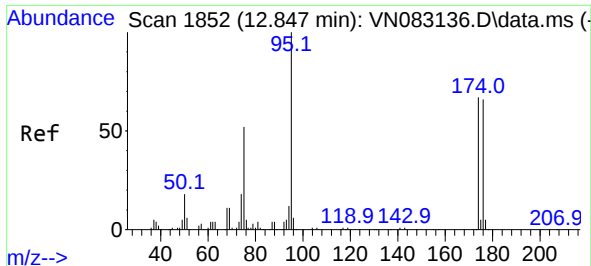
Tgt Ion: 43 Resp: 100643

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#

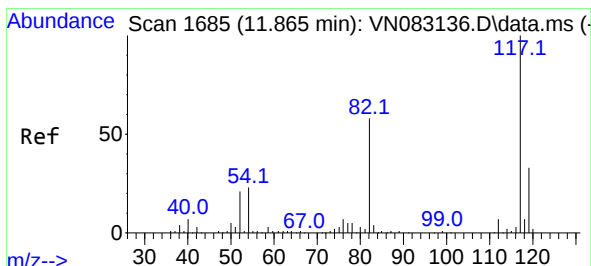
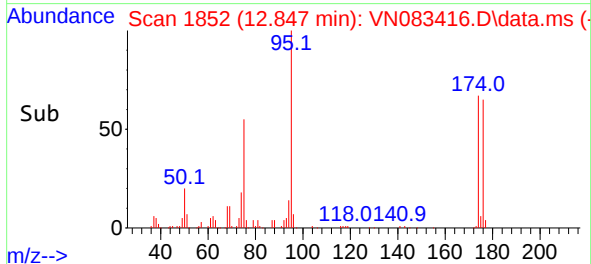
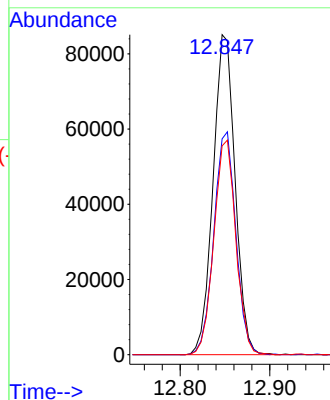
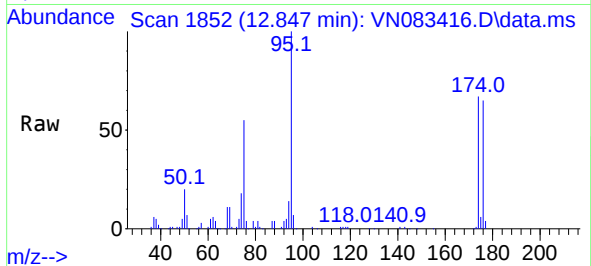




#62
4-Bromofluorobenzene
Concen: 56.185 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

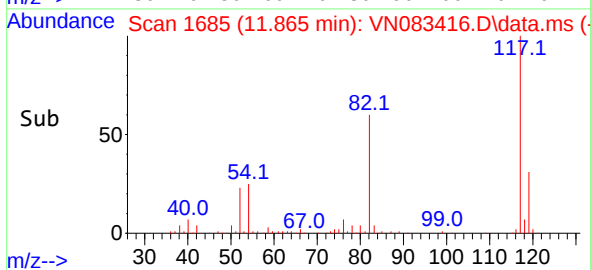
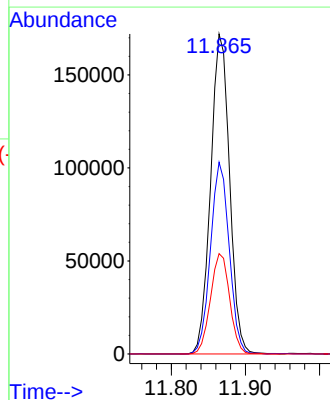
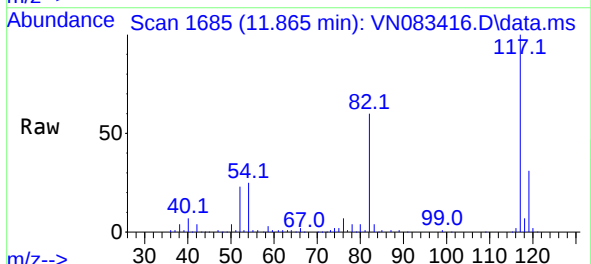
Instrument :
MSVOA_N
ClientSampleId :

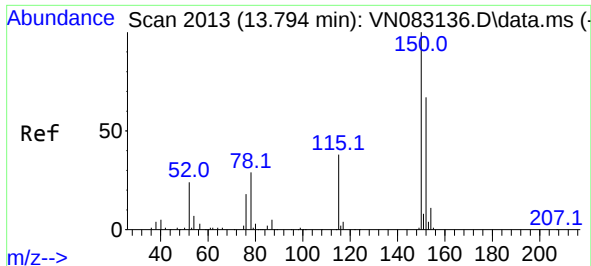
Tgt Ion: 95 Resp: 144998
Ion Ratio Lower Upper
95 100
174 69.7 0.0 159.2
176 67.0 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

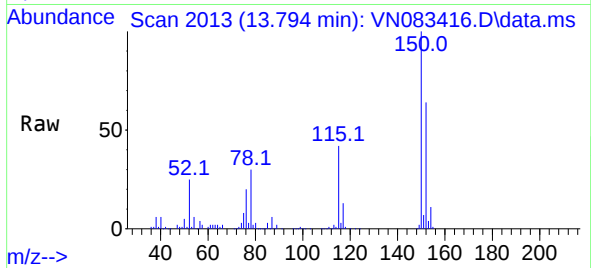
Tgt Ion: 117 Resp: 305565
Ion Ratio Lower Upper
117 100
82 59.9 47.5 71.3
119 31.4 25.6 38.4



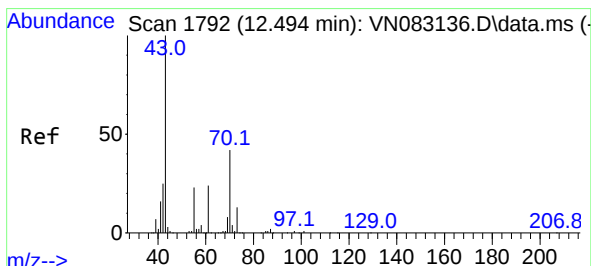
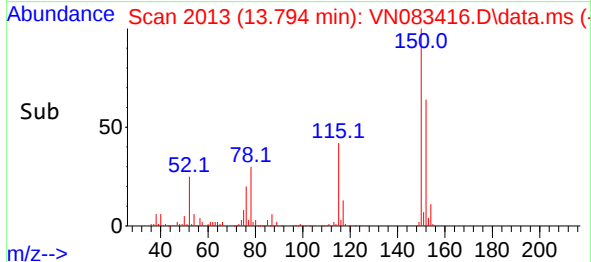
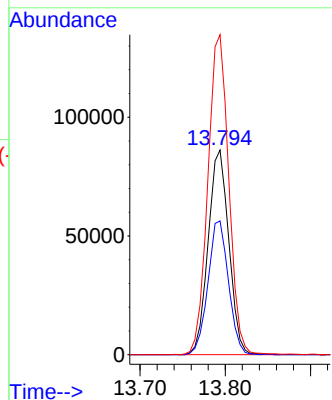


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

Instrument :
MSVOA_N
ClientSampleId :

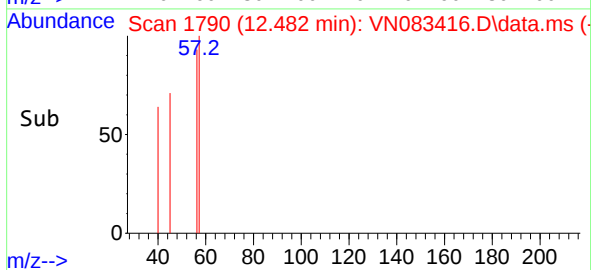
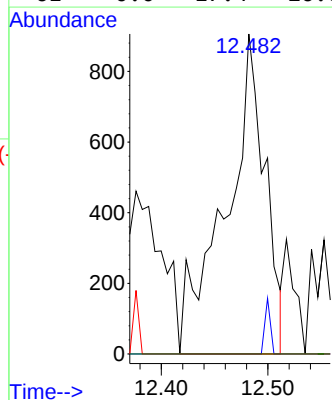
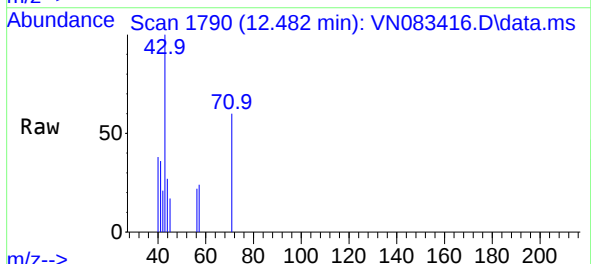


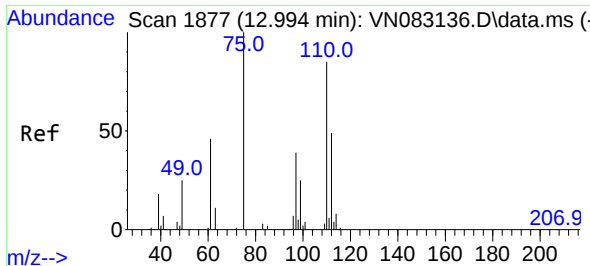
Tgt Ion:152 Resp: 145169
Ion Ratio Lower Upper
152 100
115 64.9 30.6 91.6
150 158.1 0.0 348.6



#74
N-ethyl acetate
Concen: 0.389 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

Tgt Ion: 43 Resp: 2311
Ion Ratio Lower Upper
43 100
70 2.4 29.8 44.6#
55 0.0 18.7 28.1#
61 0.0 17.4 26.0#

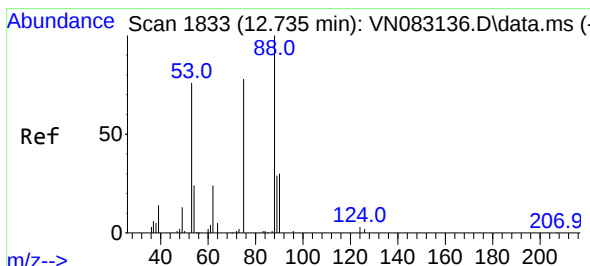
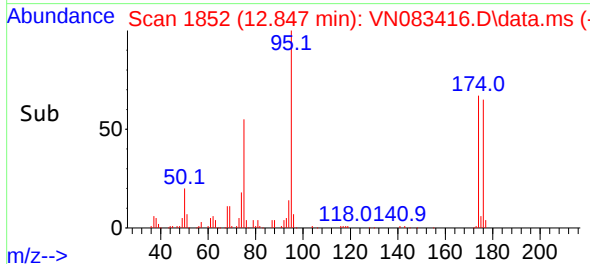
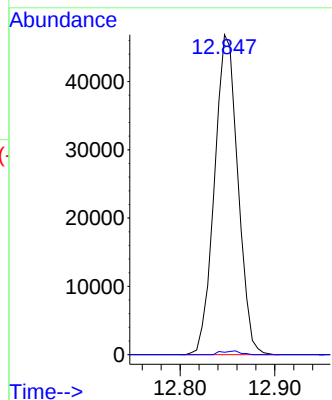
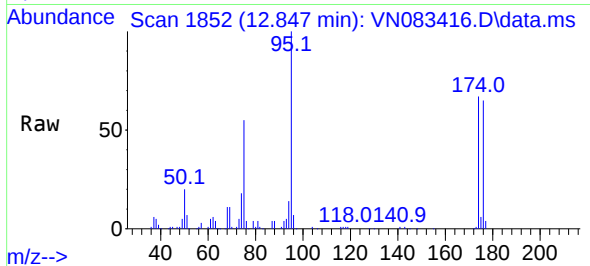




#76
1,2,3-Trichloropropane
Concen: 25.287 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 80568
Ion Ratio Lower Upper
75 100
77 1.0 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.006 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083416.D
Acq: 21 Aug 2024 18:19

Tgt Ion: 75 Resp: 80568
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

