

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082124\
 Data File : VN083417.D
 Acq On : 21 Aug 2024 18:43
 Operator : JC\MD
 Sample : PB162872ZHE03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 22 01:49:39 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

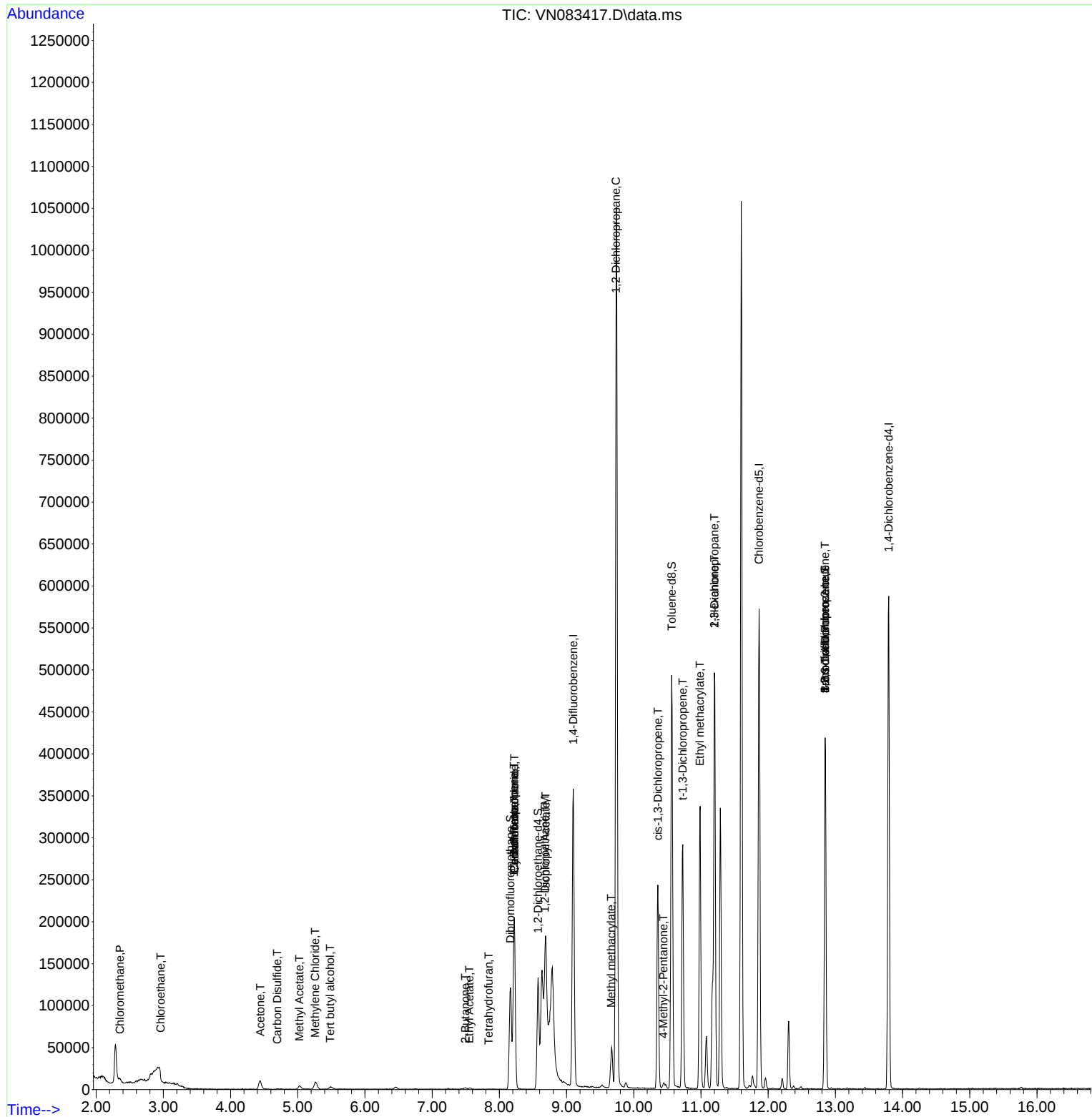
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	140148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	292415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	320965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	150268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	110092	55.188	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.380%
35) Dibromofluoromethane	8.165	113	88287	48.371	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.740%
50) Toluene-d8	10.565	98	331217	48.648	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.300%
62) 4-Bromofluorobenzene	12.847	95	146548	55.211	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.420%
Target Compounds						
						Qvalue
3) Chloromethane	2.353	50	645	0.396	ug/l #	43
6) Chloroethane	2.959	64	832	0.801	ug/l #	41
11) Tert butyl alcohol	5.483	59	3345	8.069	ug/l #	71
16) Acetone	4.442	43	19082	24.446	ug/l	96
17) Carbon Disulfide	4.694	76	1276	0.281	ug/l #	75
18) Methyl Acetate	5.024	43	8761	3.767	ug/l	97
20) Methylene Chloride	5.259	84	6910	3.846	ug/l #	83
25) 2-Butanone	7.494	43	3416	2.850	ug/l #	75
29) Tetrahydrofuran	7.841	42	226	0.292	ug/l #	38
31) Cyclohexane	8.224	56	3543	1.198	ug/l #	34
36) 1,1-Dichloropropene	8.218	75	12716	4.606	ug/l #	53
37) Ethyl Acetate	7.553	43	3197	1.034	ug/l #	79
38) Carbon Tetrachloride	8.224	117	16397	5.273	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	1313	0.438	ug/l #	78
43) Isopropyl Acetate	8.688	43	229283	42.287	ug/l #	83
45) 1,2-Dichloropropane	9.735	63	1097	0.562	ug/l #	44
48) Methyl methacrylate	9.665	41	3362	1.315	ug/l #	54
51) 4-Methyl-2-Pentanone	10.441	43	4606	1.576	ug/l	93
53) t-1,3-Dichloropropene	10.729	75	704	0.218	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	43180	12.595	ug/l #	55
56) Ethyl methacrylate	10.982	69	1016	0.289	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4991	1.503	ug/l #	43
59) 2-Hexanone	11.200	43	67835	29.994	ug/l #	59
71) Bromoform	12.847	173	826	0.436	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	81910	24.836	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	81910	54.025	ug/l #	6

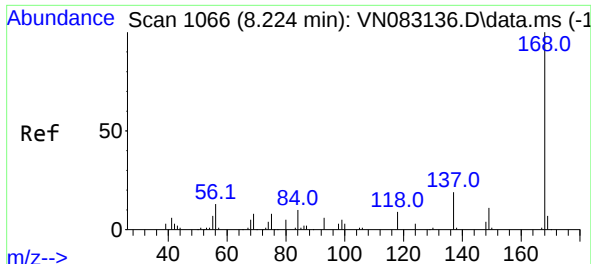
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :

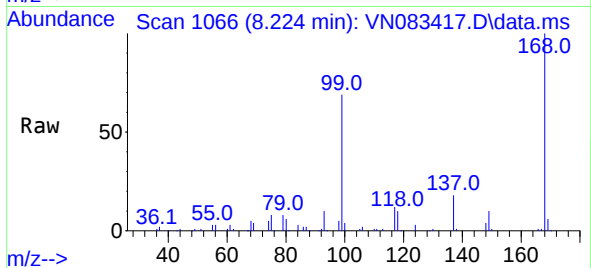
Quant Time: Aug 22 01:49:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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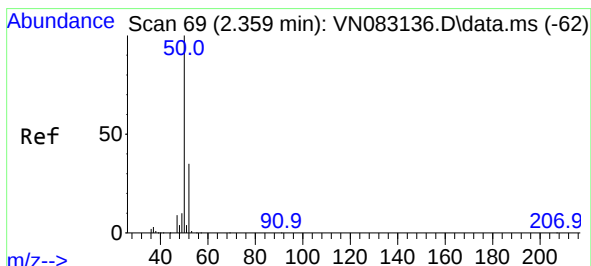
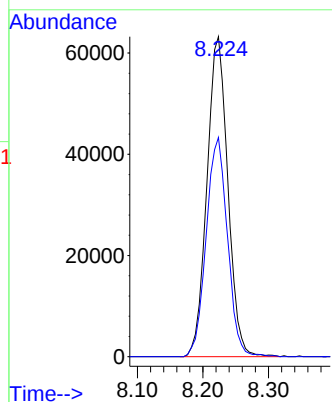
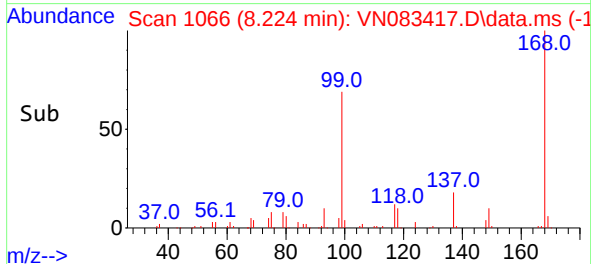


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

Instrument :
MSVOA_N
ClientSampleId :

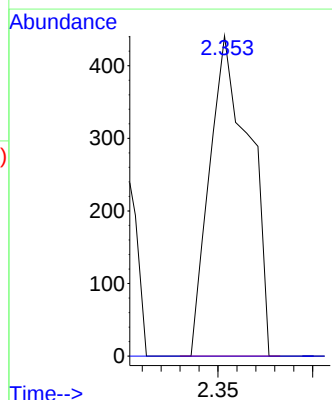
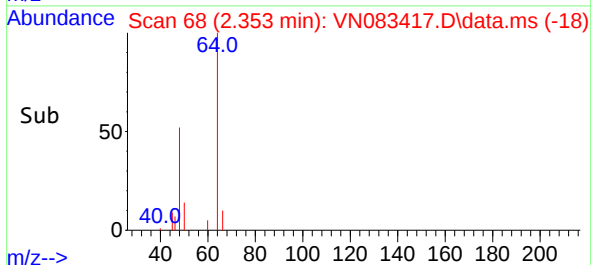
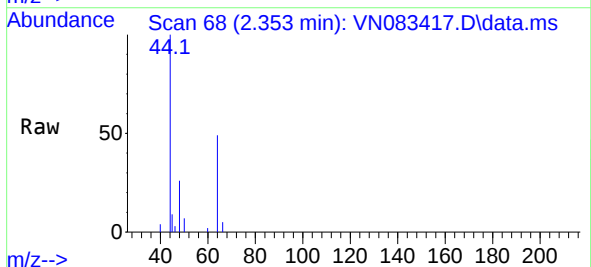


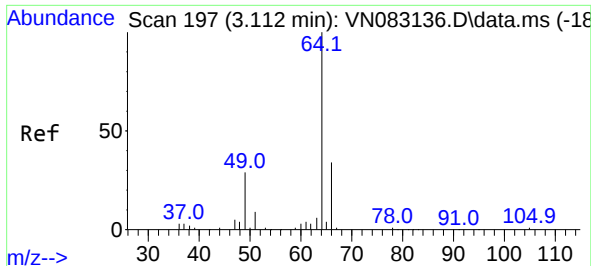
Tgt Ion:168 Resp: 140148
Ion Ratio Lower Upper
168 100
99 68.5 48.2 72.4



#3
Chloromethane
Concen: 0.396 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

Tgt Ion: 50 Resp: 645
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

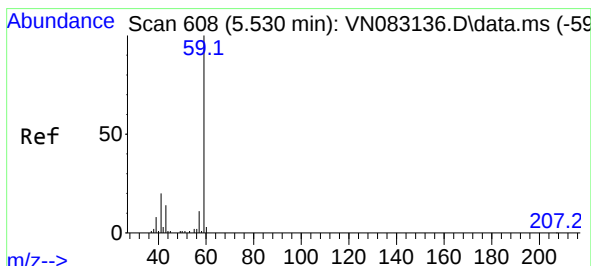
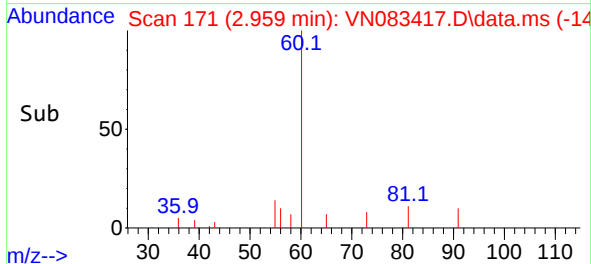
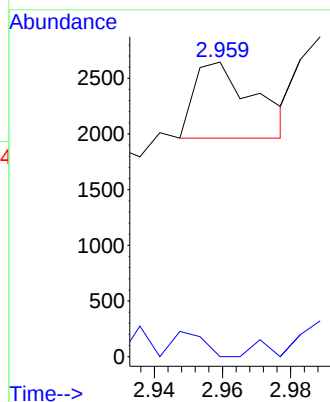
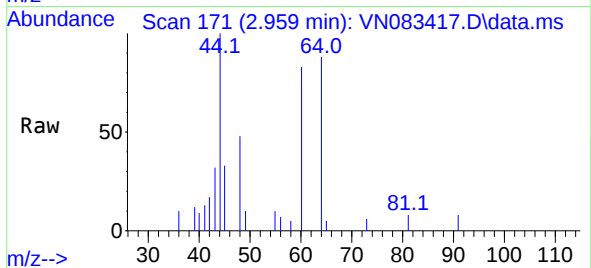




#6
Chloroethane
Concen: 0.801 ug/l
RT: 2.959 min Scan# 11
Delta R.T. -0.153 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

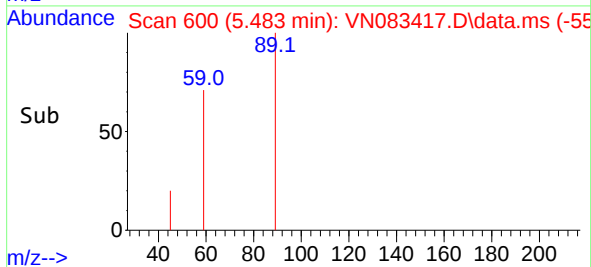
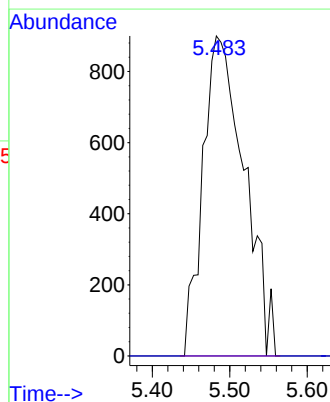
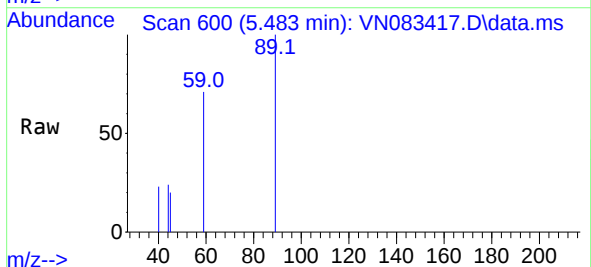
Instrument :
MSVOA_N
ClientSampleId :

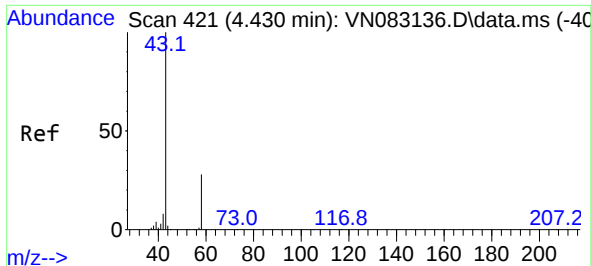
Tgt Ion: 64 Resp: 832
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



#11
Tert butyl alcohol
Concen: 8.069 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.047 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

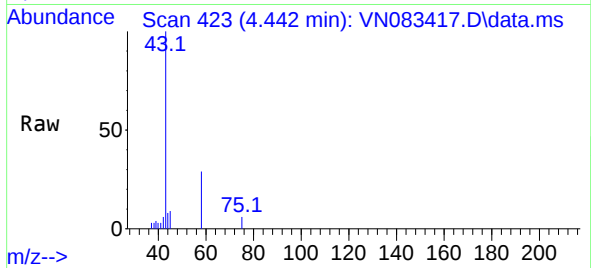
Tgt Ion: 59 Resp: 3345
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



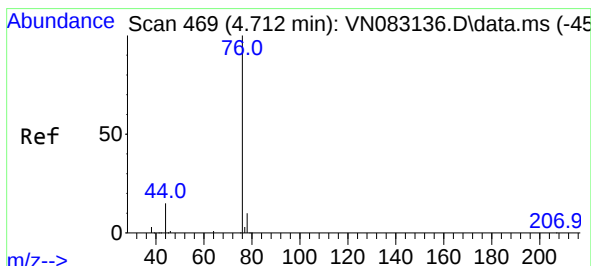
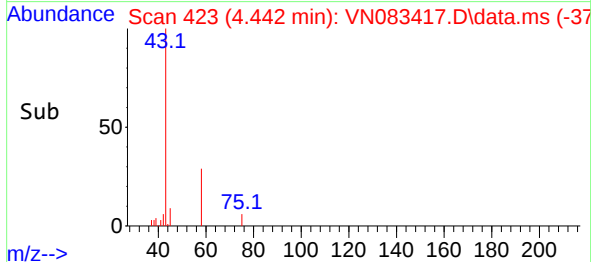
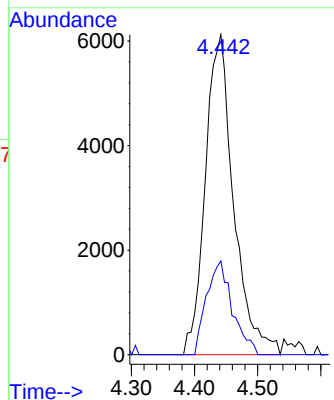


#16
Acetone
Concen: 24.446 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

Instrument :
MSVOA_N
ClientSampleId :

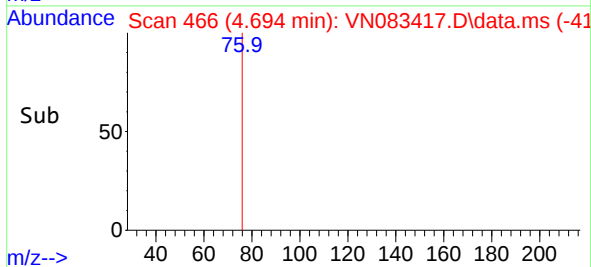
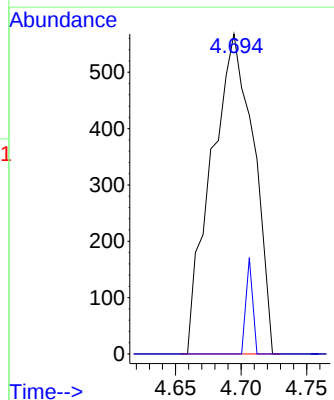
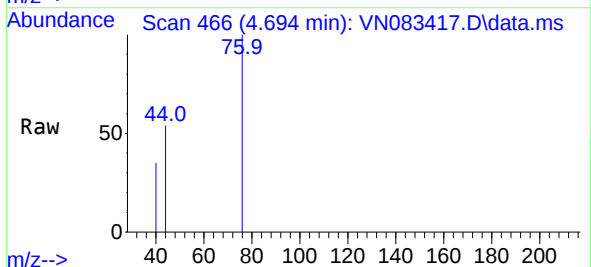


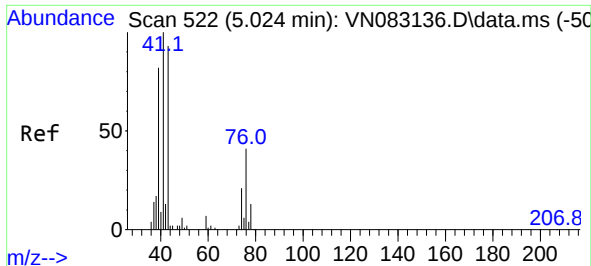
Tgt Ion: 43 Resp: 19082
Ion Ratio Lower Upper
43 100
58 29.3 21.8 32.6



#17
Carbon Disulfide
Concen: 0.281 ug/l
RT: 4.694 min Scan# 466
Delta R.T. -0.018 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

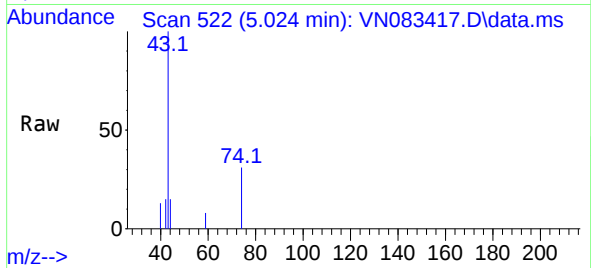
Tgt Ion: 76 Resp: 1276
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



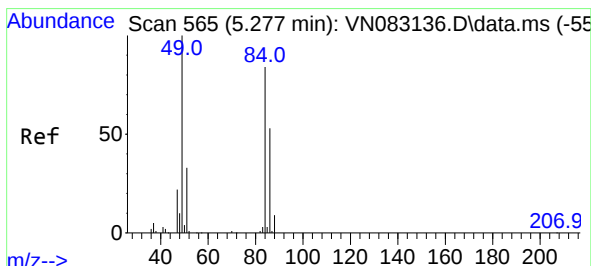
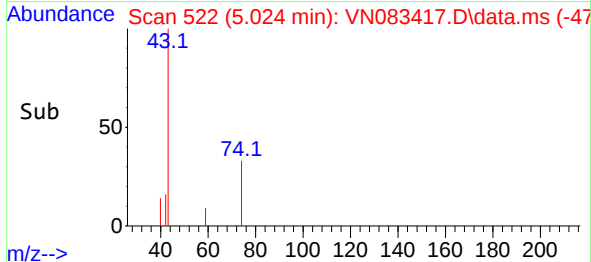
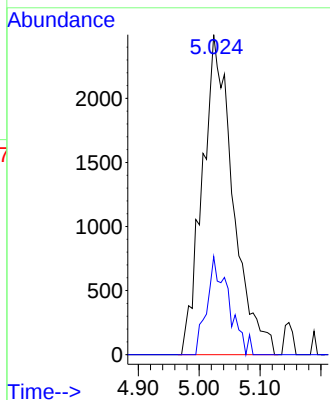


#18
Methyl Acetate
Concen: 3.767 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

Instrument :
MSVOA_N
ClientSampleId :

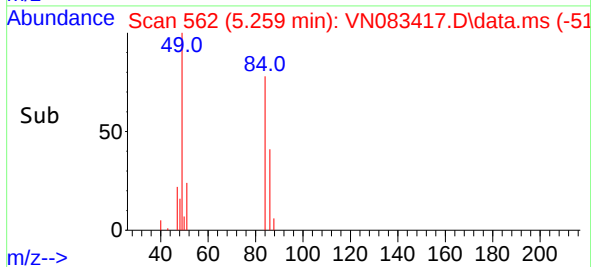
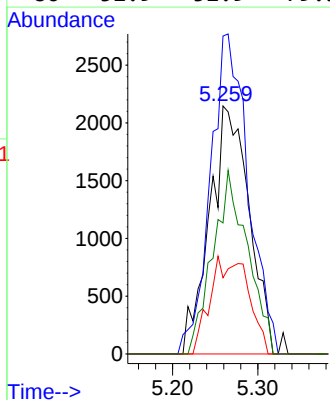
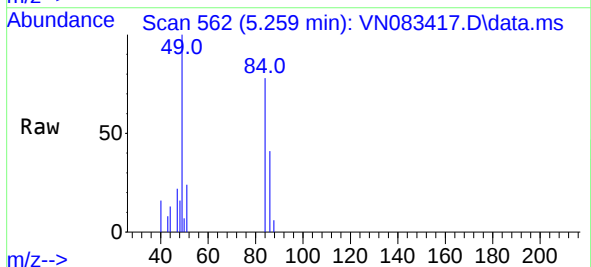


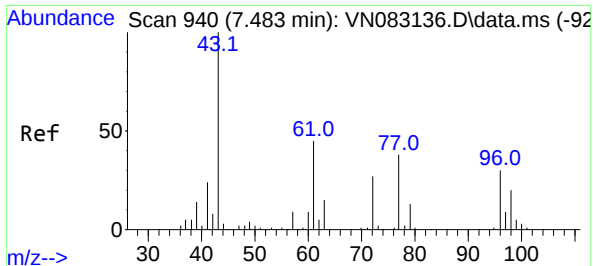
Tgt Ion: 43 Resp: 8761
Ion Ratio Lower Upper
43 100
74 21.9 16.3 24.5



#20
Methylene Chloride
Concen: 3.846 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

Tgt Ion: 84 Resp: 6910
Ion Ratio Lower Upper
84 100
49 128.2 119.6 179.4
51 30.7 34.8 52.2#
86 52.9 52.9 79.3#





#25

2-Butanone

Concen: 2.850 ug/l

RT: 7.494 min Scan# 94

Delta R.T. 0.012 min

Lab File: VN083417.D

Acq: 21 Aug 2024 18:43

Instrument :

MSVOA_N

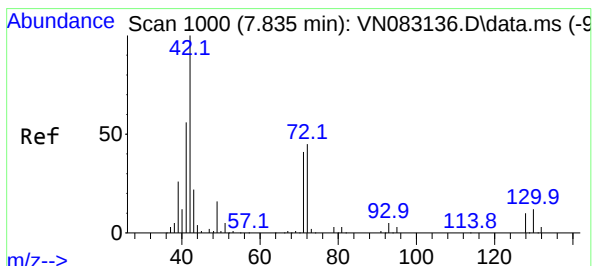
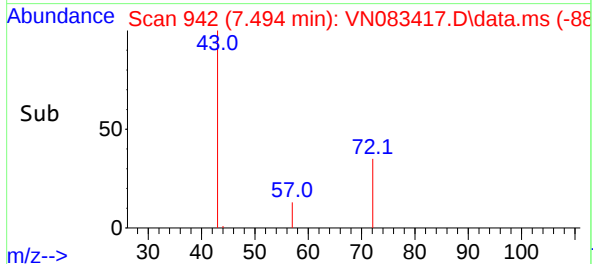
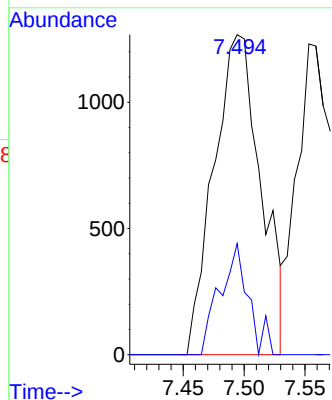
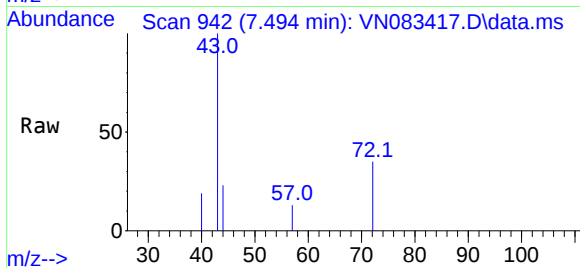
ClientSampleId :

Tgt Ion: 43 Resp: 3416

Ion Ratio Lower Upper

43 100

72 34.7 18.2 27.2#



#29

Tetrahydrofuran

Concen: 0.292 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN083417.D

Acq: 21 Aug 2024 18:43

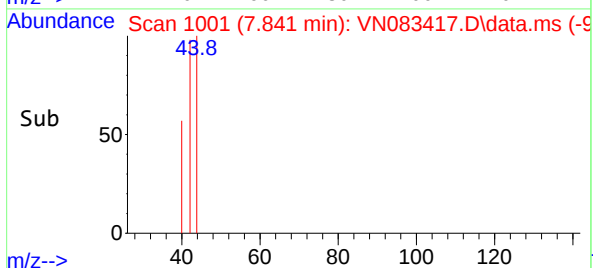
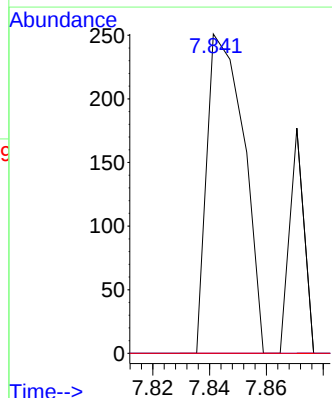
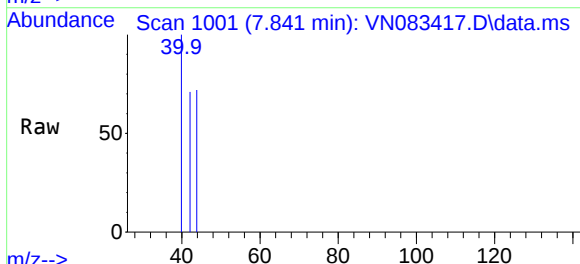
Tgt Ion: 42 Resp: 226

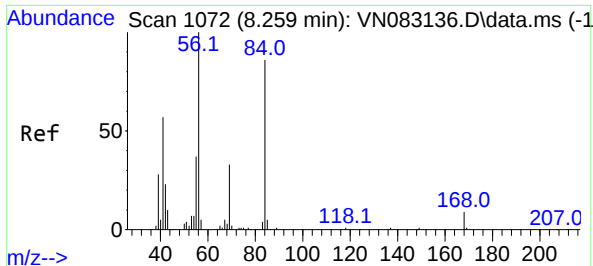
Ion Ratio Lower Upper

42 100

72 0.0 30.0 45.0#

71 0.0 28.3 42.5#





#31

Cyclohexane

Concen: 1.198 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

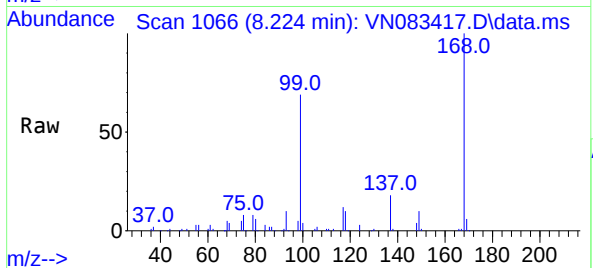
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Acq: 21 Aug 2024 18:43

Instrument :

MSVOA_N

ClientSampleId :



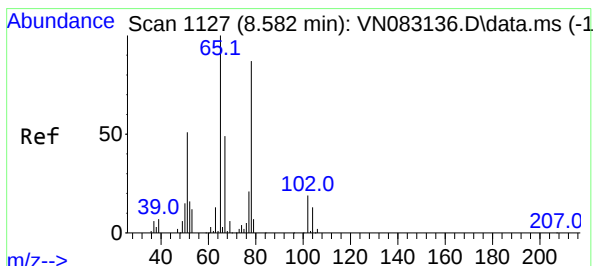
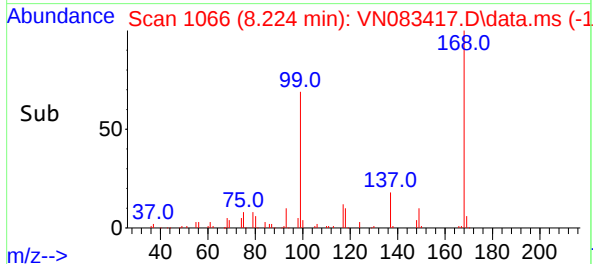
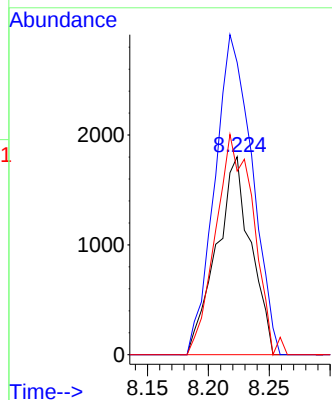
Tgt Ion: 56 Resp: 3543

Ion Ratio Lower Upper

56 100

69 147.5 24.5 36.7#

84 92.7 66.0 99.0



#33

1,2-Dichloroethane-d4

Concen: 55.188 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.005 min

Lab File: VN083417.D

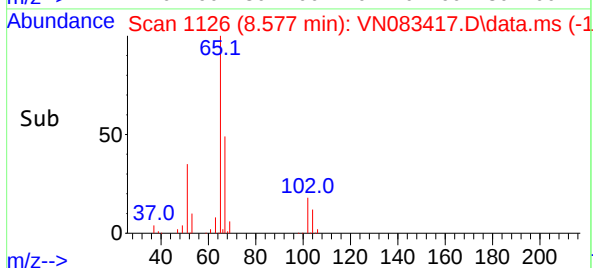
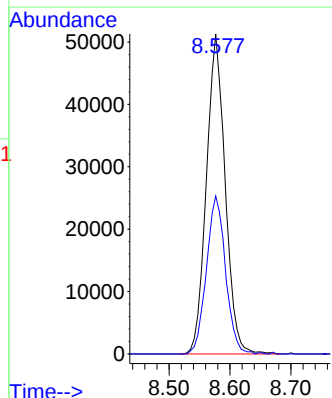
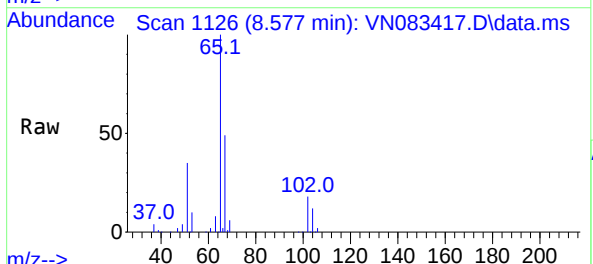
Acq: 21 Aug 2024 18:43

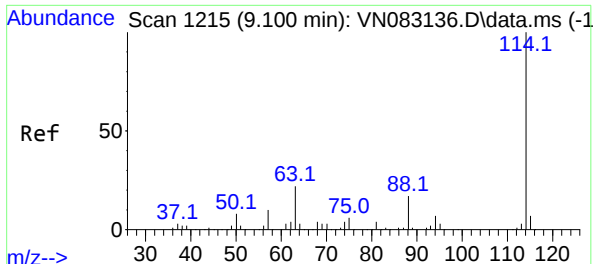
Tgt Ion: 65 Resp: 110092

Ion Ratio Lower Upper

65 100

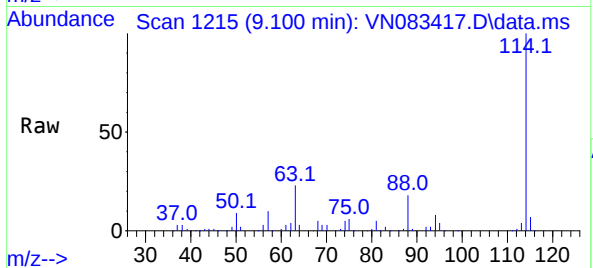
67 50.2 0.0 104.4



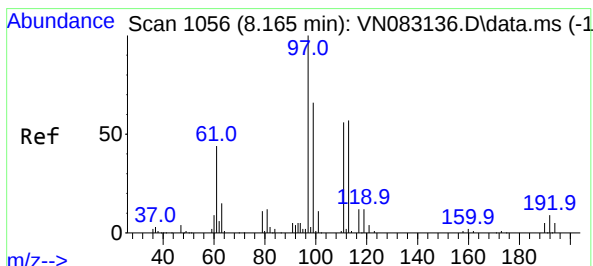
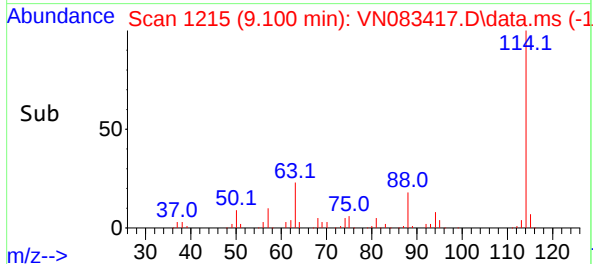
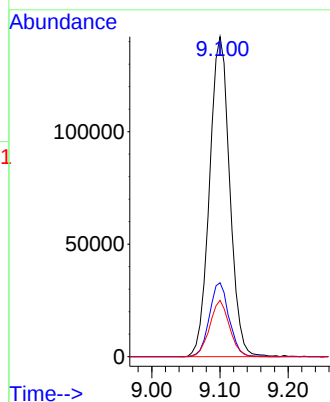


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

Instrument :
MSVOA_N
ClientSampleId :

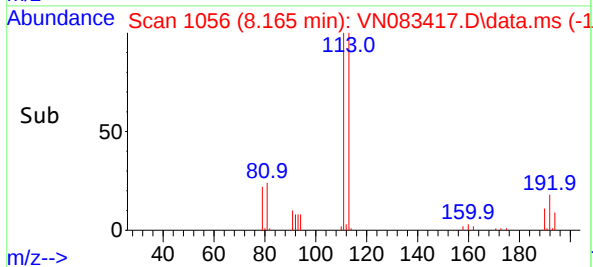
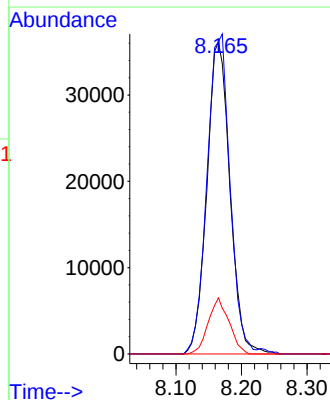
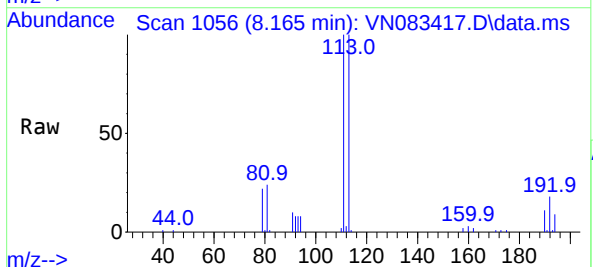


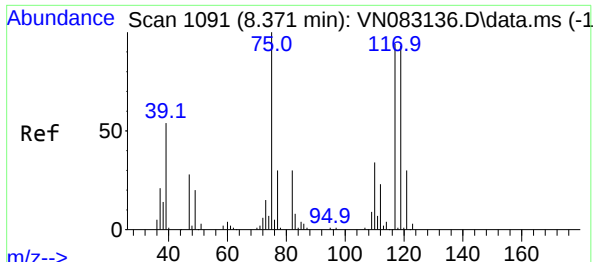
Tgt Ion:114 Resp: 292415
Ion Ratio Lower Upper
114 100
63 23.1 0.0 44.6
88 17.6 0.0 31.4



#35
Dibromofluoromethane
Concen: 48.371 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

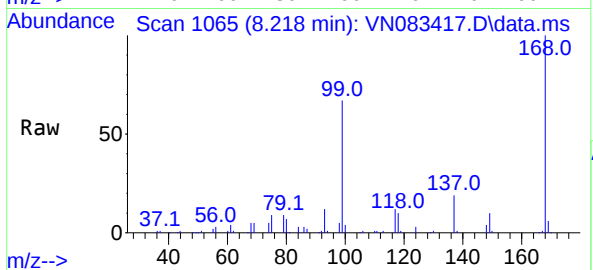
Tgt Ion:113 Resp: 88287
Ion Ratio Lower Upper
113 100
111 102.3 82.4 123.6
192 16.2 14.9 22.3



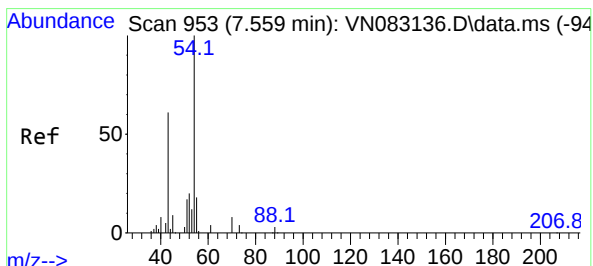
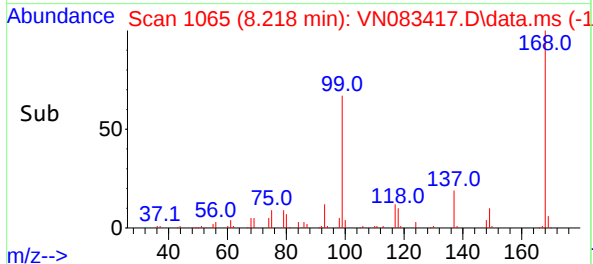
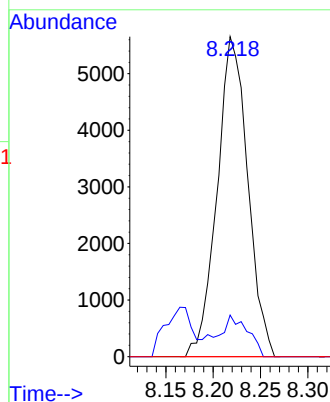


#36
1,1-Dichloropropene
Concen: 4.606 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

Instrument :
MSVOA_N
ClientSampleId :

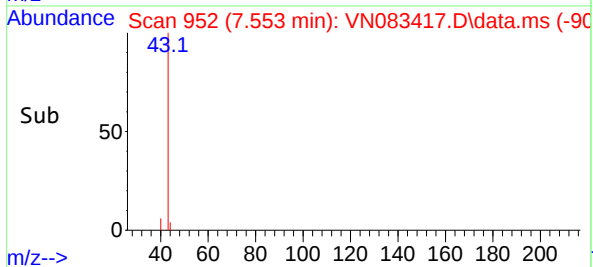
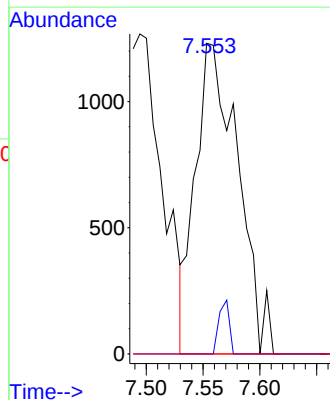
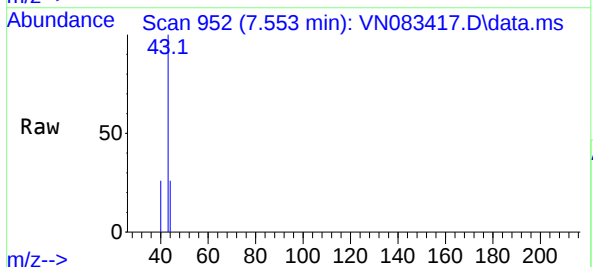


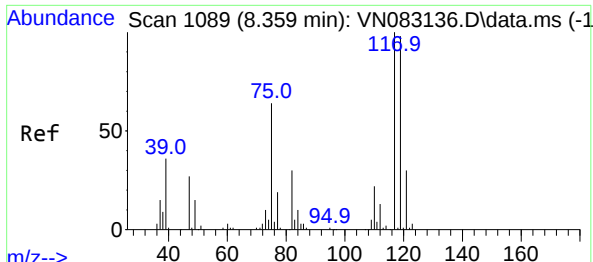
Tgt Ion: 75 Resp: 12716
Ion Ratio Lower Upper
75 100
110 10.6 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.034 ug/l
RT: 7.553 min Scan# 952
Delta R.T. -0.006 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

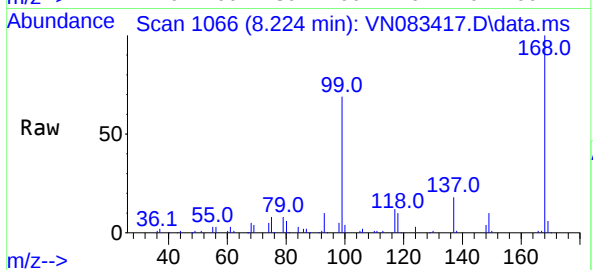
Tgt Ion: 43 Resp: 3197
Ion Ratio Lower Upper
43 100
61 4.2 9.3 13.9#
70 0.0 7.0 10.6#



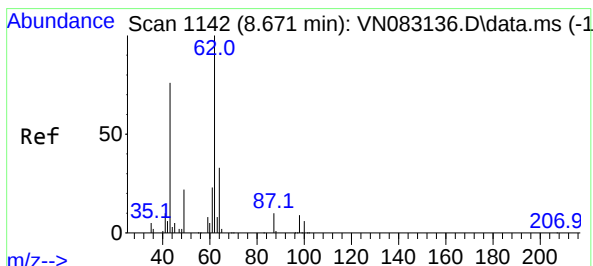
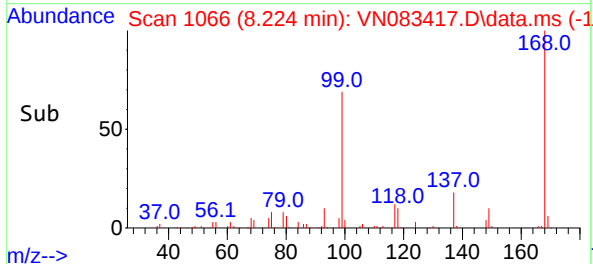
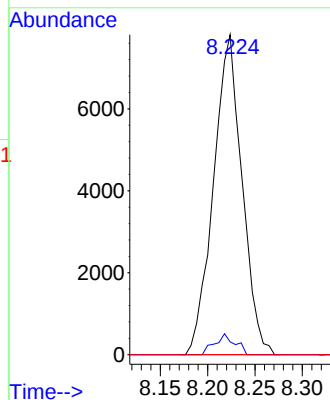


#38
Carbon Tetrachloride
Concen: 5.273 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

Instrument :
MSVOA_N
ClientSampleId :

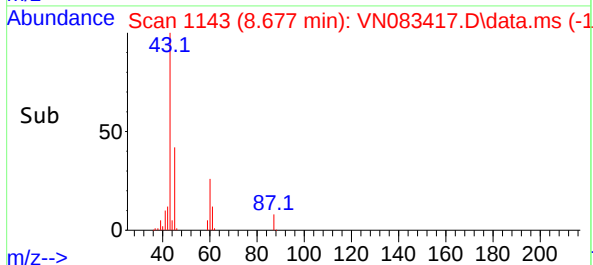
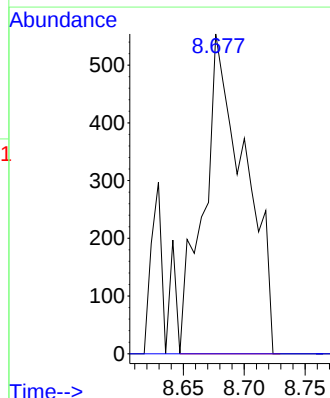
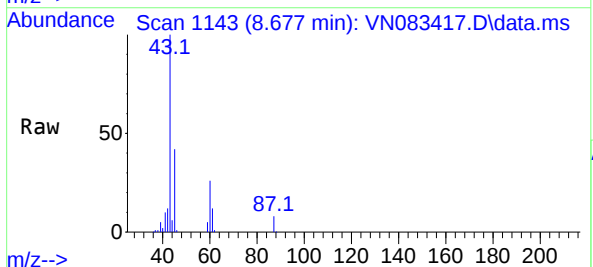


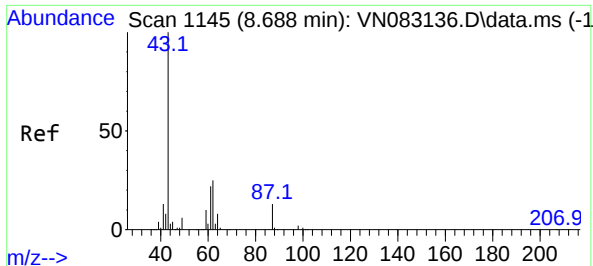
Tgt Ion:117 Resp: 16397
Ion Ratio Lower Upper
117 100
119 4.0 74.9 112.3#
121 0.0 24.3 36.5#



#42
1,2-Dichloroethane
Concen: 0.438 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

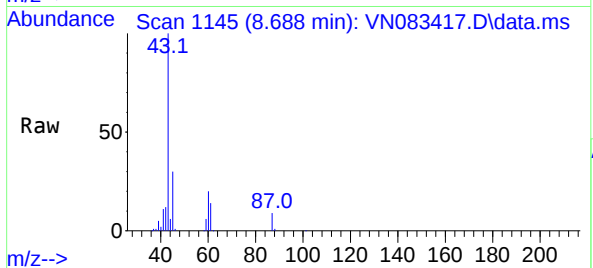
Tgt Ion: 62 Resp: 1313
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8



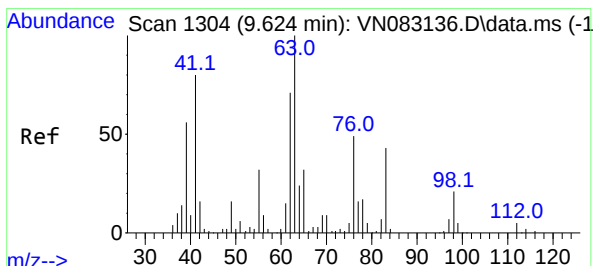
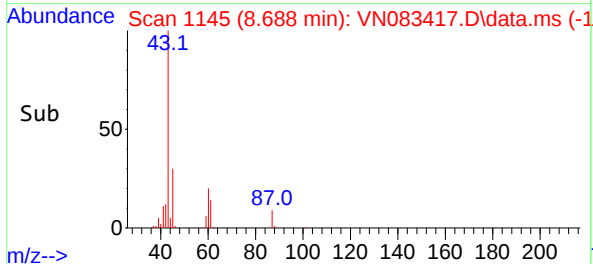
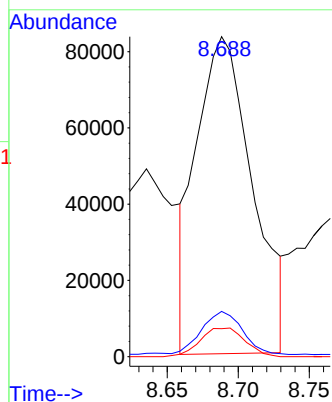


#43
Isopropyl Acetate
Concen: 42.287 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

Instrument :
MSVOA_N
ClientSampleId :

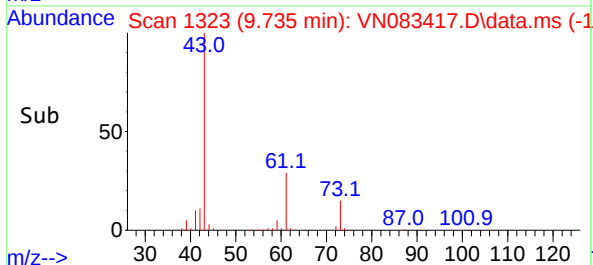
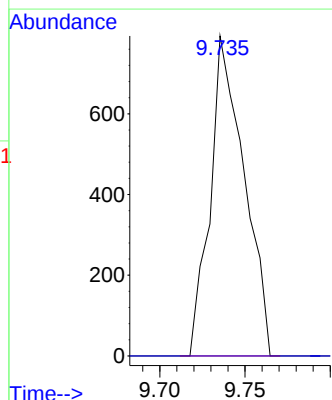
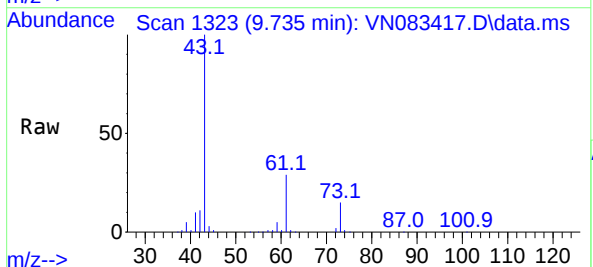


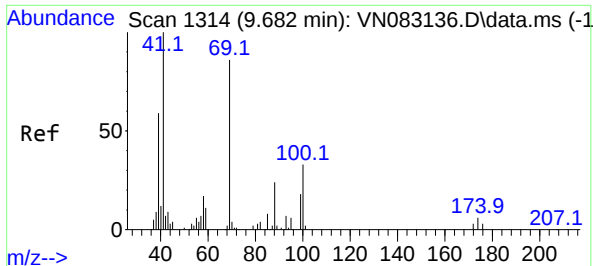
Tgt Ion: 43 Resp: 229283
Ion Ratio Lower Upper
43 100
61 12.0 17.8 26.6#
87 7.2 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.562 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.112 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

Tgt Ion: 63 Resp: 1097
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#





#48

Methyl methacrylate

Concen: 1.315 ug/l

RT: 9.665 min Scan# 11

Delta R.T. -0.018 min

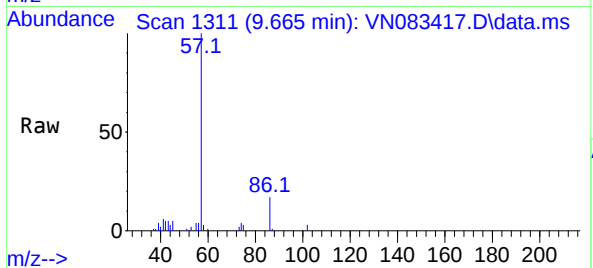
Lab File: VN083417.D

Acq: 21 Aug 2024 18:43

Instrument :

MSVOA_N

ClientSampleId :



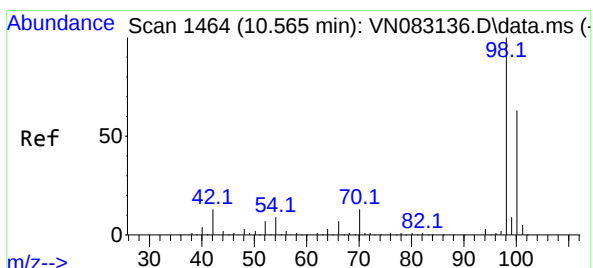
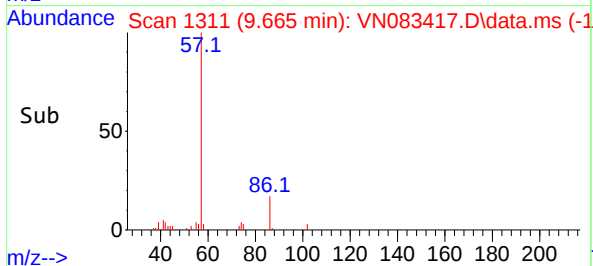
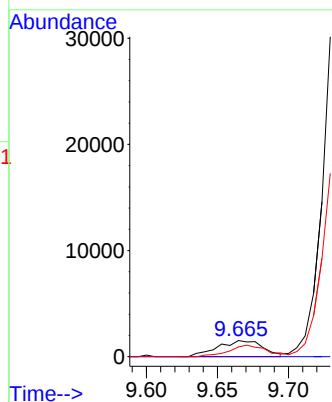
Tgt Ion: 41 Resp: 3362

Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 60.8 50.3 75.5



#50

Toluene-d8

Concen: 48.648 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083417.D

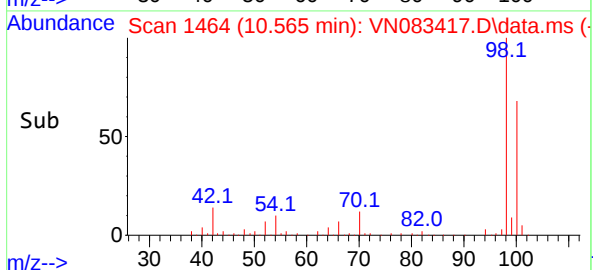
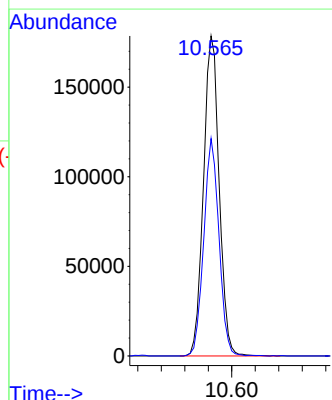
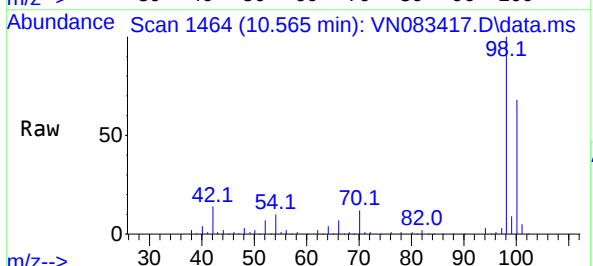
Acq: 21 Aug 2024 18:43

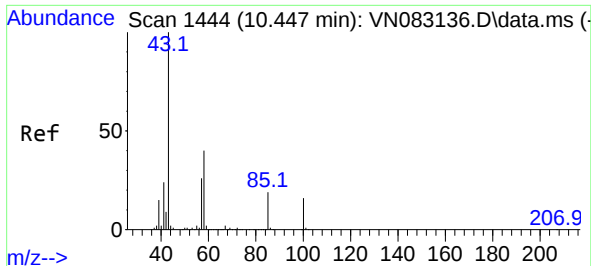
Tgt Ion: 98 Resp: 331217

Ion Ratio Lower Upper

98 100

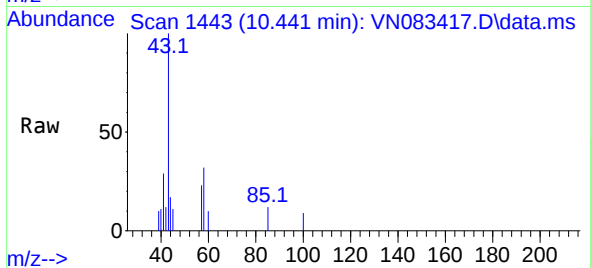
100 65.9 51.5 77.3



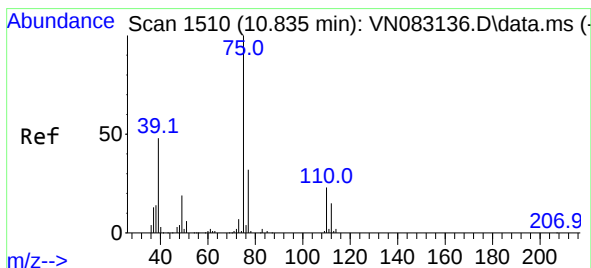
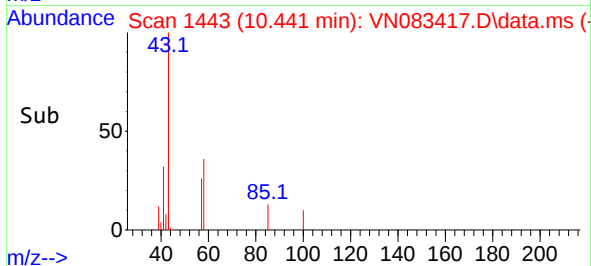
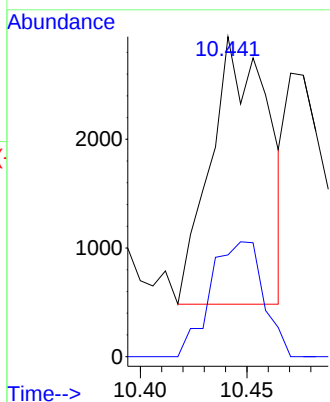


#51
4-Methyl-2-Pentanone
Concen: 1.576 ug/l
RT: 10.441 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

Instrument :
MSVOA_N
ClientSampleId :

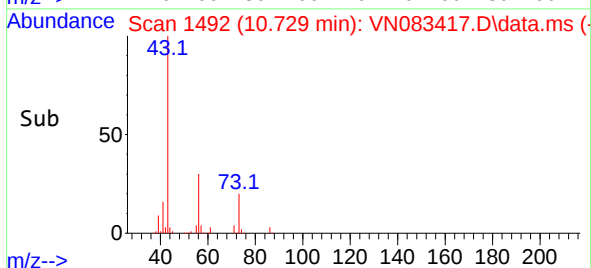
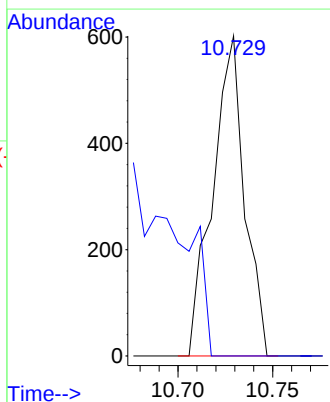
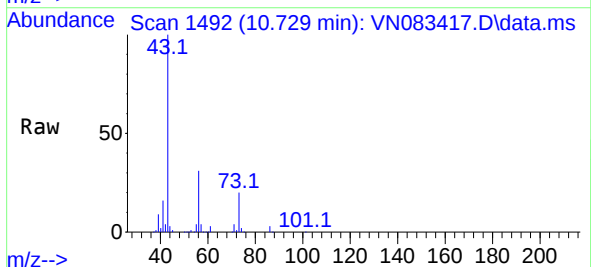


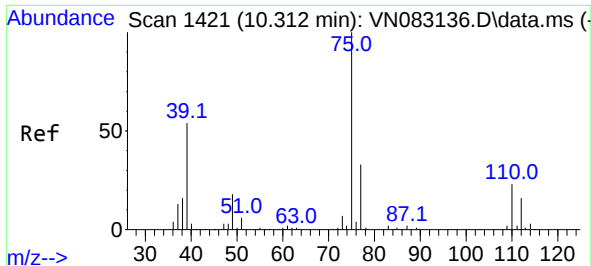
Tgt Ion: 43 Resp: 4606
Ion Ratio Lower Upper
43 100
58 39.6 28.2 42.4



#53
t-1,3-Dichloropropene
Concen: 0.218 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

Tgt Ion: 75 Resp: 704
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

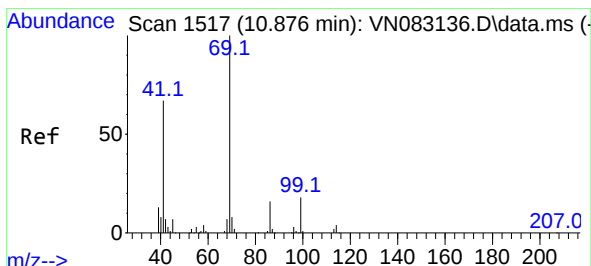
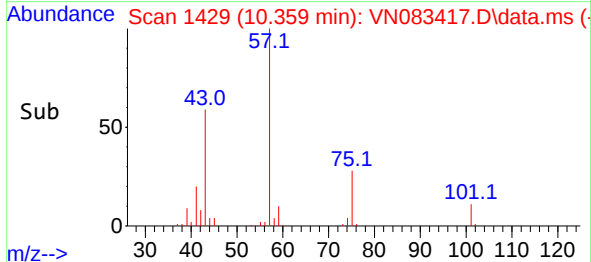
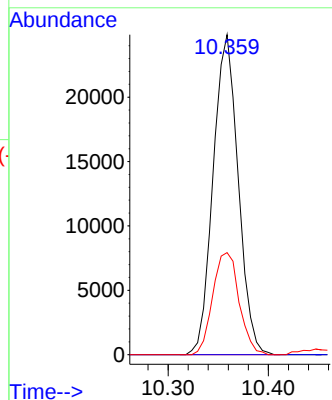
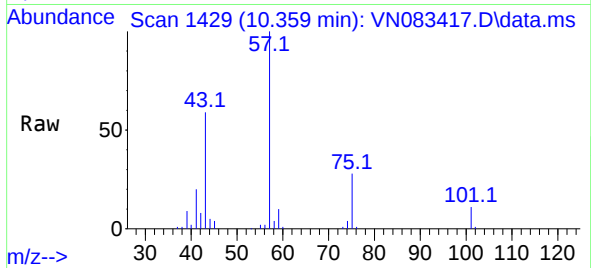




#54
cis-1,3-Dichloropropene
Concen: 12.595 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

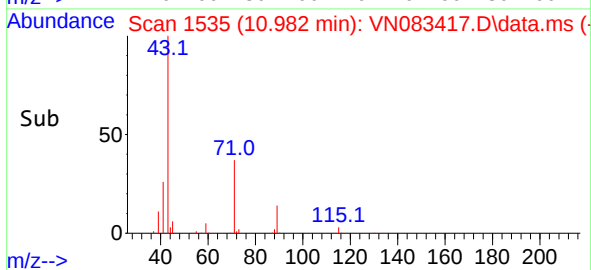
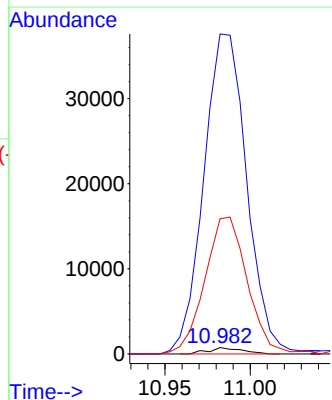
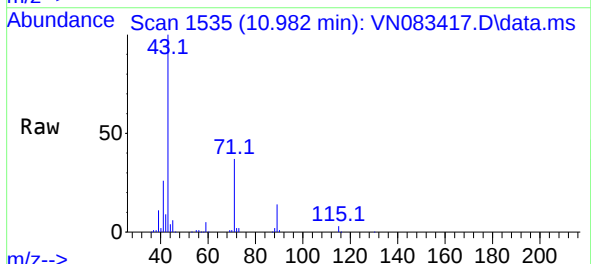
Instrument :
MSVOA_N
ClientSampleId :

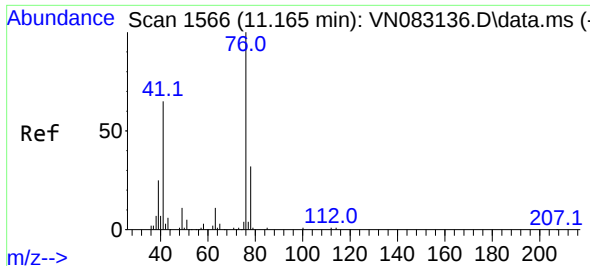
Tgt Ion: 75 Resp: 43180
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 31.9 50.5 75.7#



#56
Ethyl methacrylate
Concen: 0.289 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

Tgt Ion: 69 Resp: 1016
Ion Ratio Lower Upper
69 100
41 6525.3 63.4 95.2#
39 2750.3 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.503 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

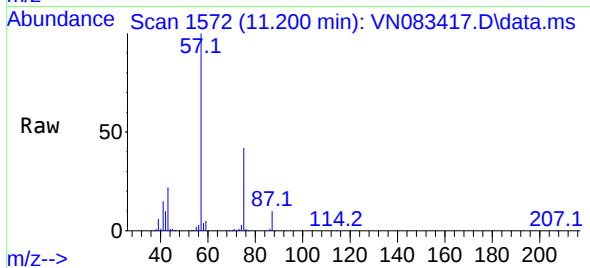
Lab File: VN083417.D

Acq: 21 Aug 2024 18:43

Instrument :

MSVOA_N

ClientSampleId :

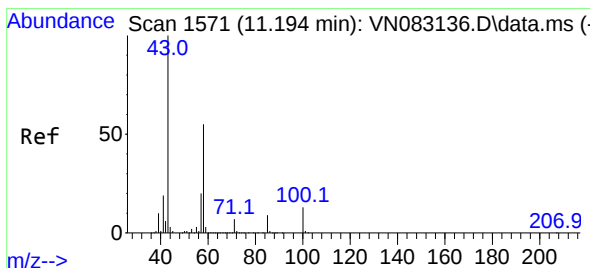
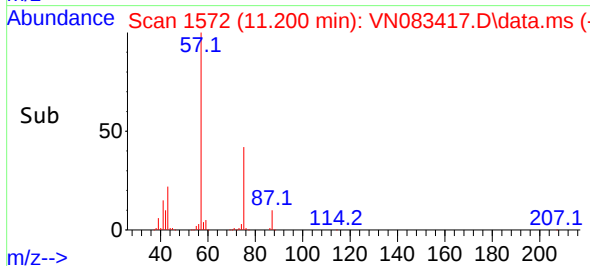
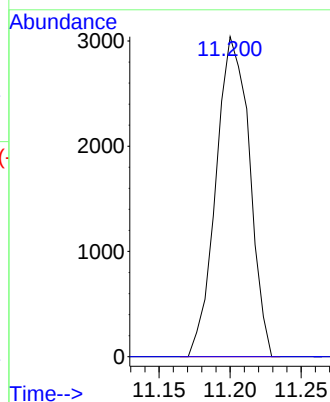


Tgt Ion: 76 Resp: 4991

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 29.994 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN083417.D

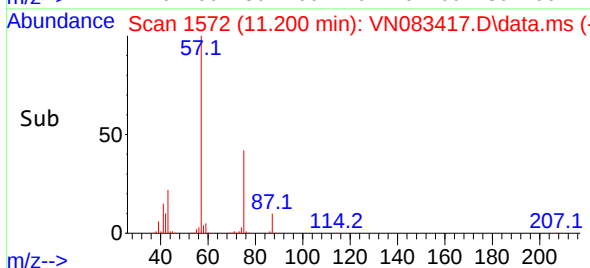
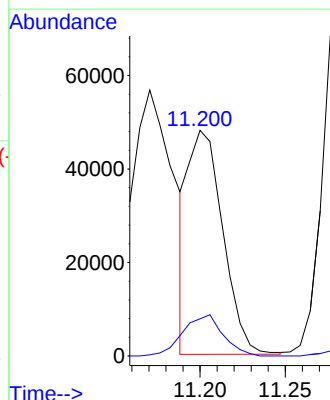
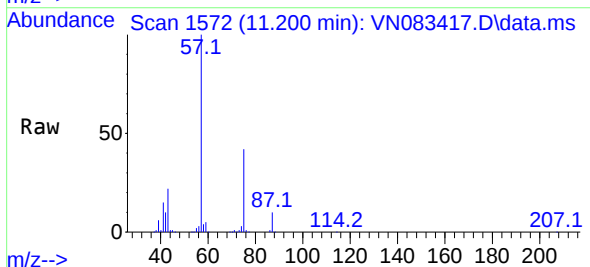
Acq: 21 Aug 2024 18:43

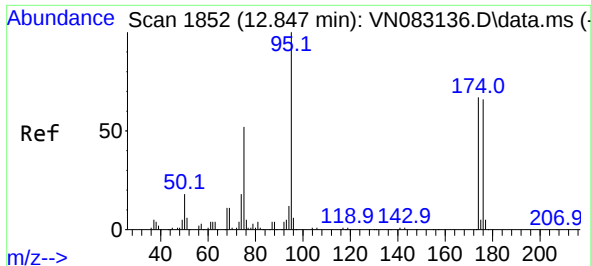
Tgt Ion: 43 Resp: 67835

Ion Ratio Lower Upper

43 100

58 21.3 24.6 73.8#

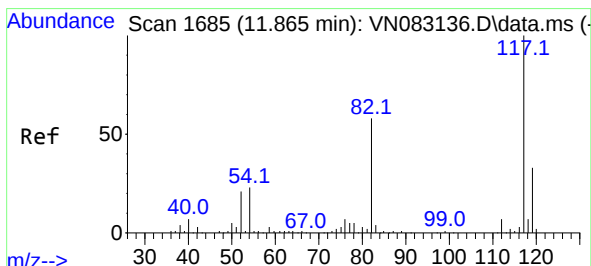
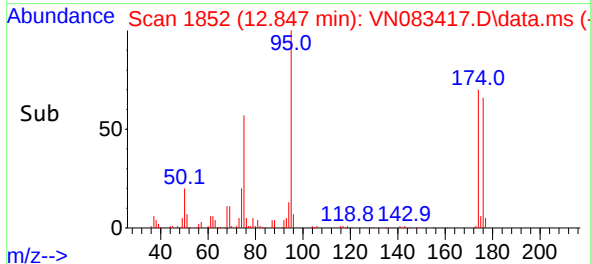
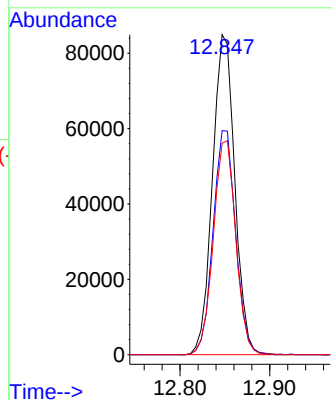
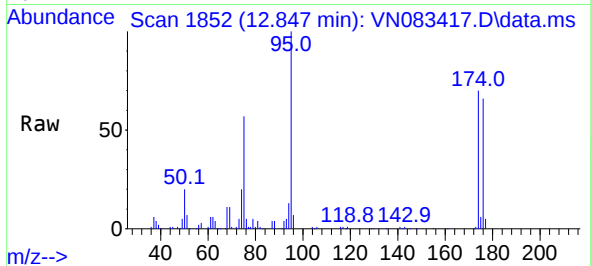




#62
4-Bromofluorobenzene
Concen: 55.211 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

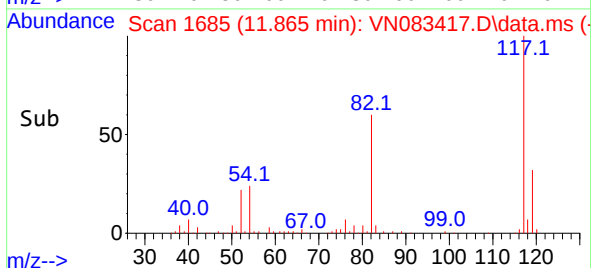
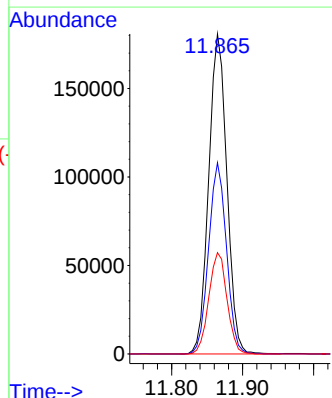
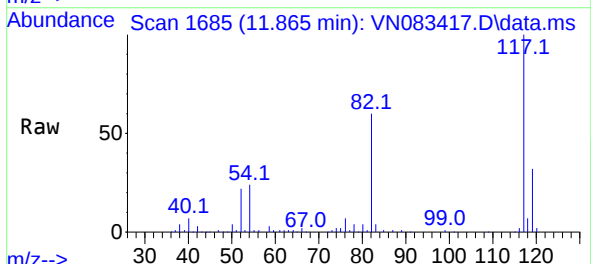
Instrument :
MSVOA_N
ClientSampleId :

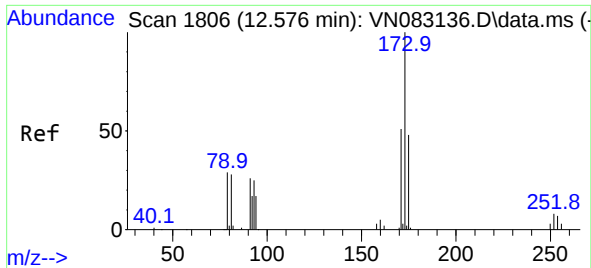
Tgt Ion: 95 Resp: 146548
Ion Ratio Lower Upper
95 100
174 70.9 0.0 159.2
176 67.5 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

Tgt Ion: 117 Resp: 320965
Ion Ratio Lower Upper
117 100
82 59.8 47.5 71.3
119 31.6 25.6 38.4

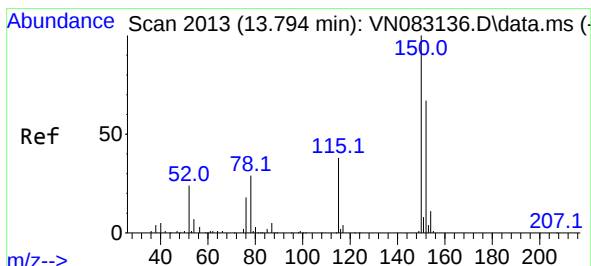
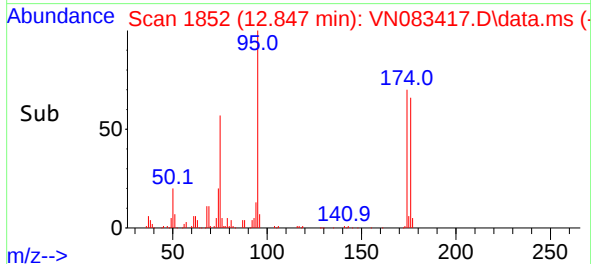
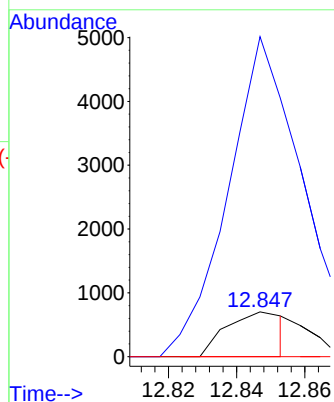
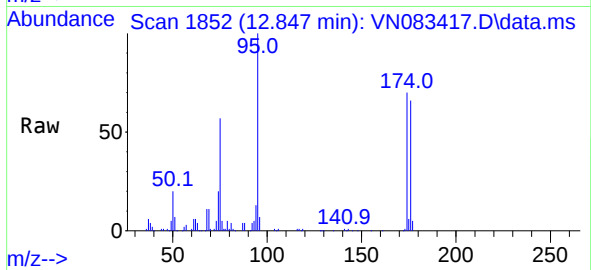




#71
Bromoform
Concen: 0.436 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

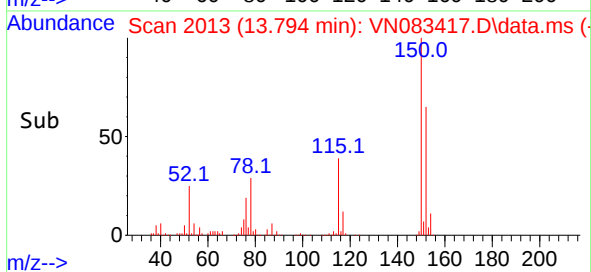
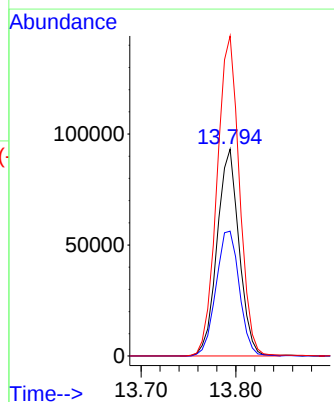
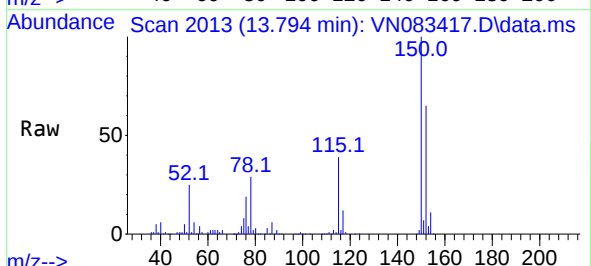
Instrument :
MSVOA_N
ClientSampleId :

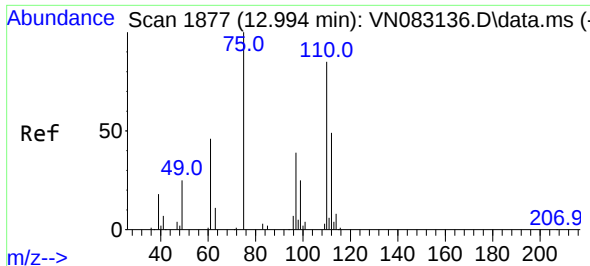
Tgt Ion:173 Resp: 826
Ion Ratio Lower Upper
173 100
175 677.1 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

Tgt Ion:152 Resp: 150268
Ion Ratio Lower Upper
152 100
115 64.3 30.6 91.6
150 157.9 0.0 348.6

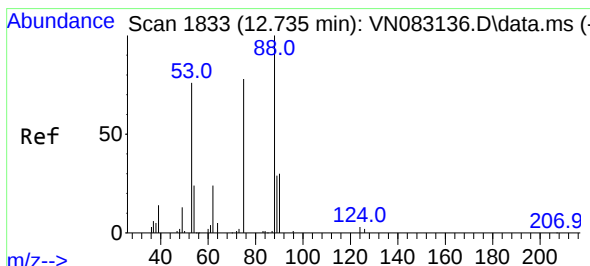
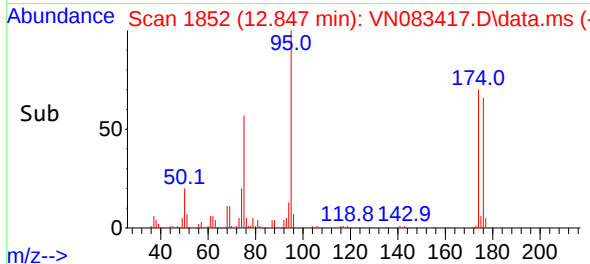
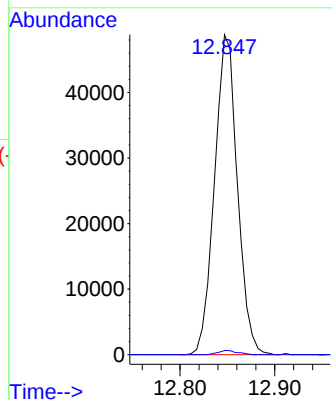
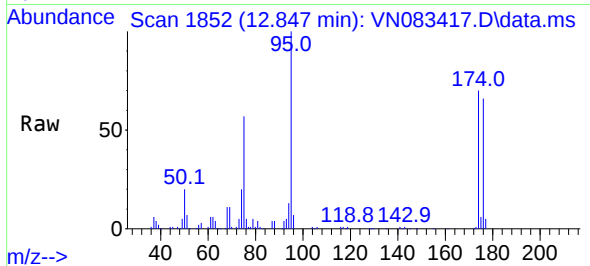




#76
1,2,3-Trichloropropane
Concen: 24.836 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 81910
Ion Ratio Lower Upper
75 100
77 1.1 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.025 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083417.D
Acq: 21 Aug 2024 18:43

Tgt Ion: 75 Resp: 81910
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

