

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092724\
 Data File : VN084207.D
 Acq On : 27 Sep 2024 16:42
 Operator : JC\MD
 Sample : P4190-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 28 01:01:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

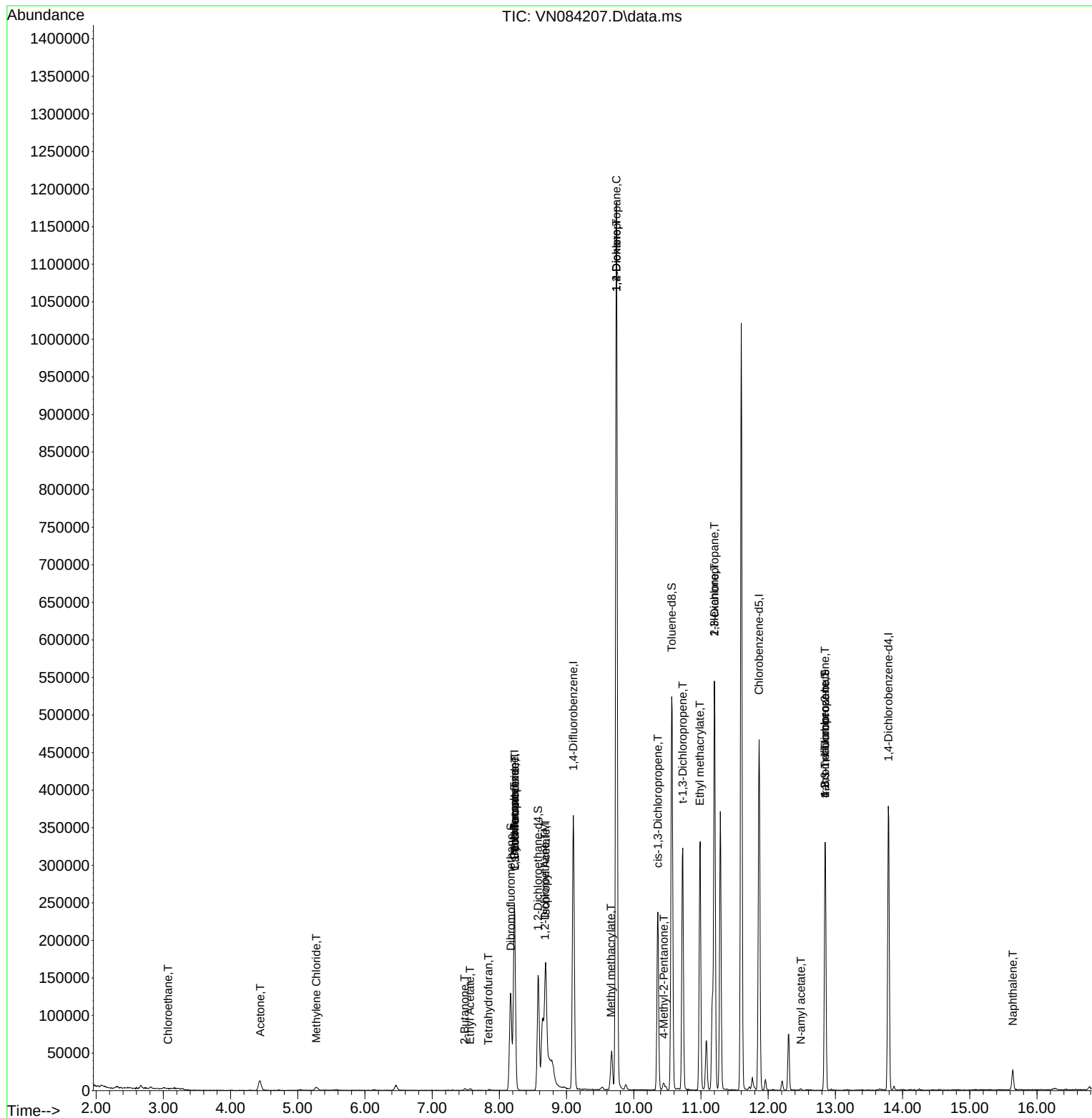
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	170068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	100086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124862	48.691	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.380%
35) Dibromofluoromethane	8.171	113	94596	48.746	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.500%
50) Toluene-d8	10.565	98	361124	53.829	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.660%
62) 4-Bromofluorobenzene	12.847	95	116737	42.176	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	84.360%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	269	Below Cal	#	41
6) Chloroethane	3.071	64	410	0.270	ug/l #	45
16) Acetone	4.442	43	25780	25.078	ug/l	95
18) Methyl Acetate	5.036	43	1768	Below Cal	#	59
20) Methylene Chloride	5.277	84	3341	1.588	ug/l #	88
25) 2-Butanone	7.483	43	4159	3.078	ug/l #	75
29) Tetrahydrofuran	7.835	42	456	0.571	ug/l #	76
31) Cyclohexane	8.224	56	4664	1.258	ug/l #	17
36) 1,1-Dichloropropene	8.230	75	14756	5.052	ug/l #	51
37) Ethyl Acetate	7.565	43	3662	1.381	ug/l #	80
38) Carbon Tetrachloride	8.230	117	18855	5.690	ug/l #	18
42) 1,2-Dichloroethane	8.677	62	881	0.268	ug/l #	77
43) Isopropyl Acetate	8.688	43	311163	64.765	ug/l #	74
45) 1,2-Dichloropropane	9.741	63	1706	0.803	ug/l #	42
48) Methyl methacrylate	9.659	41	3450	1.514	ug/l #	42
49) 1,4-Dioxane	9.741	88	53	1.413	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	11141	4.260	ug/l #	75
53) t-1,3-Dichloropropene	10.729	75	905	0.277	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	43518	12.689	ug/l #	58
56) Ethyl methacrylate	10.982	69	936	0.303	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5554	1.610	ug/l #	42
59) 2-Hexanone	11.200	43	71259	36.834	ug/l #	54
74) N-amyl acetate	12.488	43	1108	0.335	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	63342	31.365	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	63342	82.146	ug/l #	9
95) Naphthalene	15.641	128	26445	4.771	ug/l	99

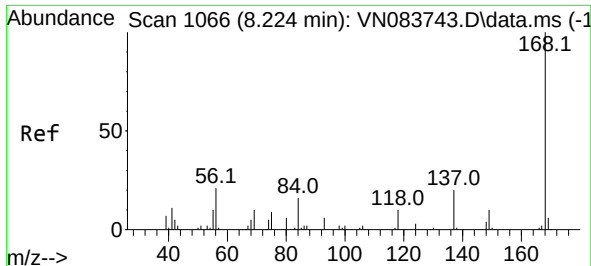
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 28 01:01:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

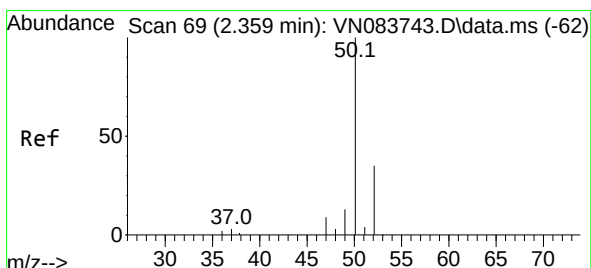
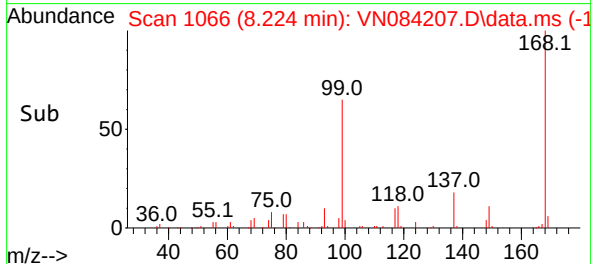
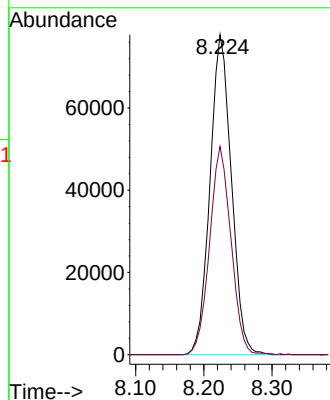
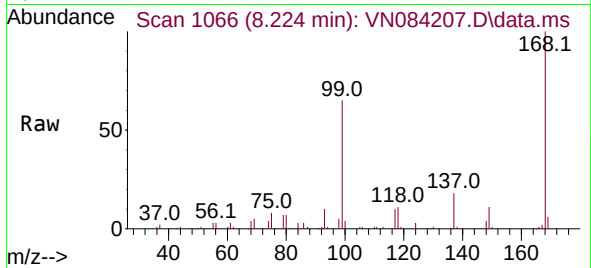




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

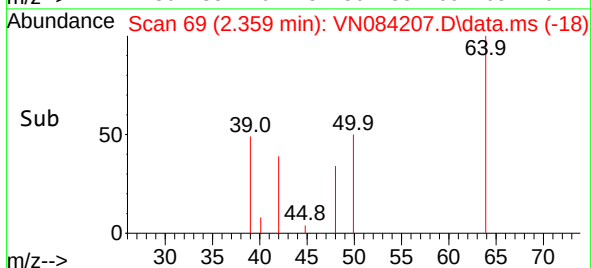
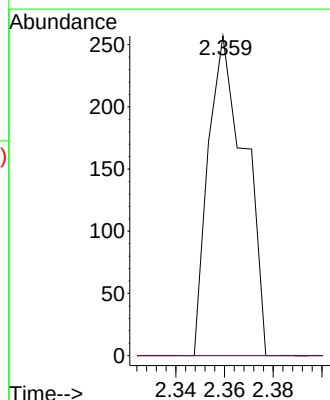
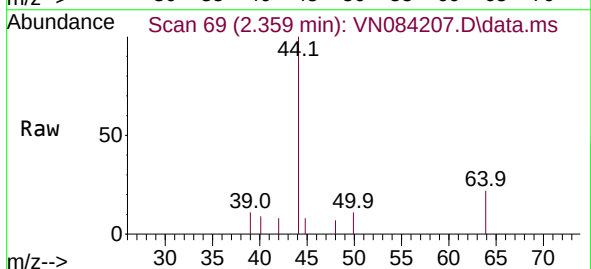
Instrument :
MSVOA_N
ClientSampleId :

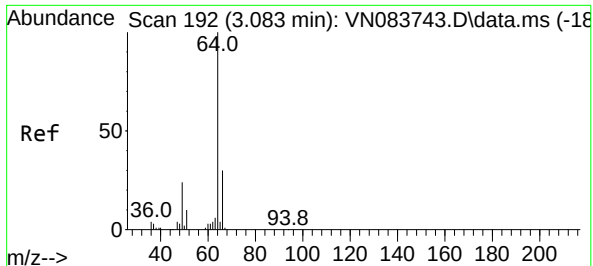
Tgt Ion:168 Resp: 170068
Ion Ratio Lower Upper
168 100
99 65.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

Tgt Ion: 50 Resp: 269
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

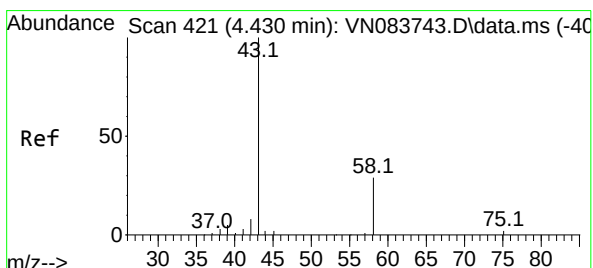
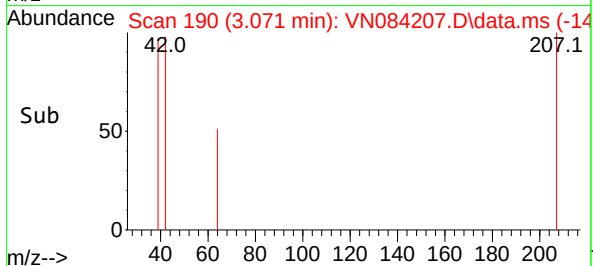
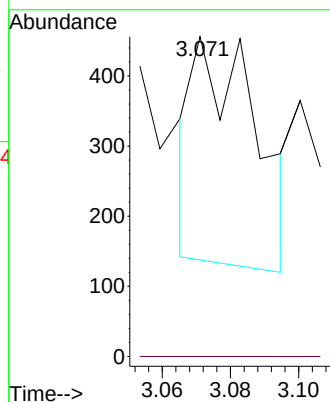
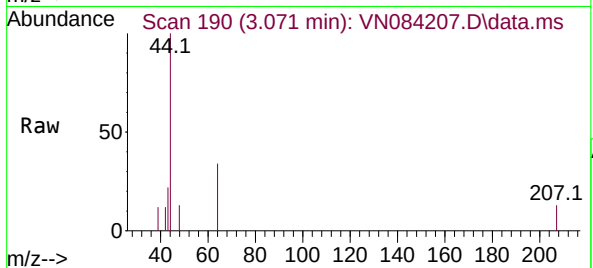




#6
Chloroethane
Concen: 0.270 ug/l
RT: 3.071 min Scan# 19
Delta R.T. -0.012 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

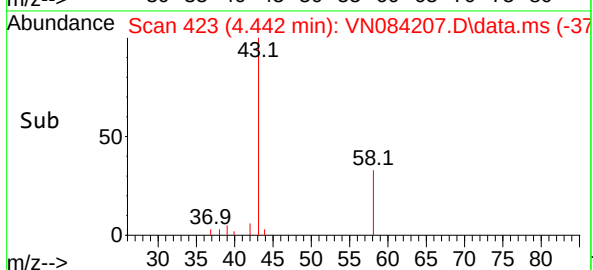
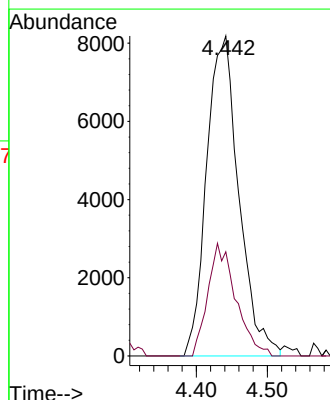
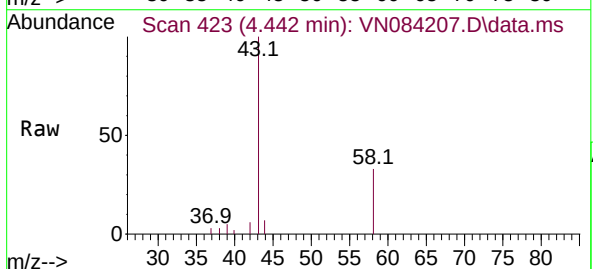
Instrument :
MSVOA_N
ClientSampleId :

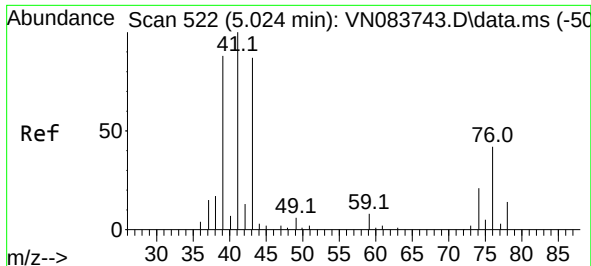
Tgt Ion: 64 Resp: 410
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#16
Acetone
Concen: 25.078 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

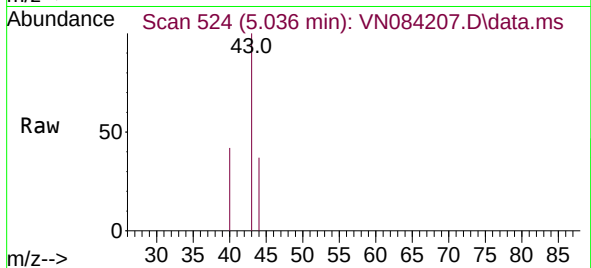
Tgt Ion: 43 Resp: 25780
Ion Ratio Lower Upper
43 100
58 32.5 23.7 35.5



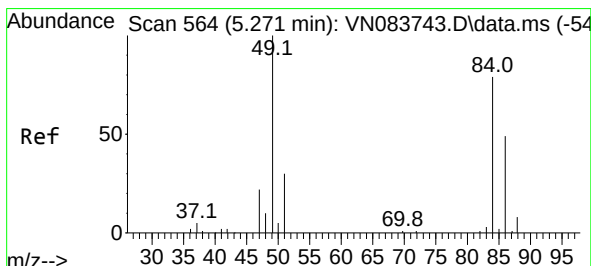
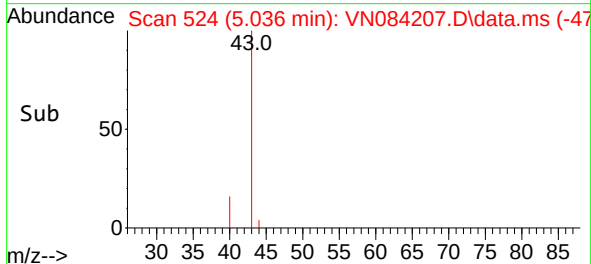
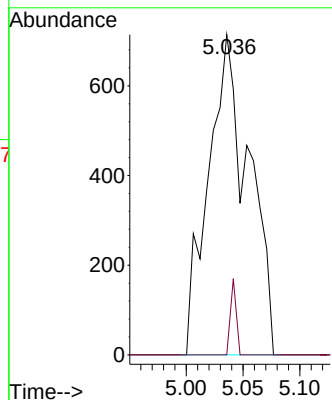


#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

Instrument :
MSVOA_N
ClientSampleId :

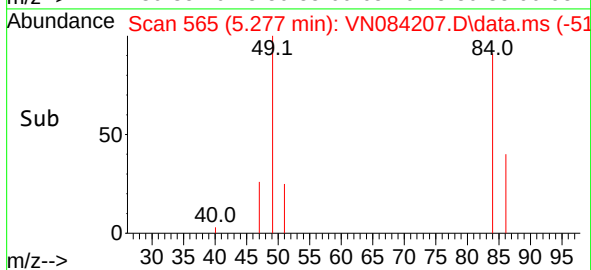
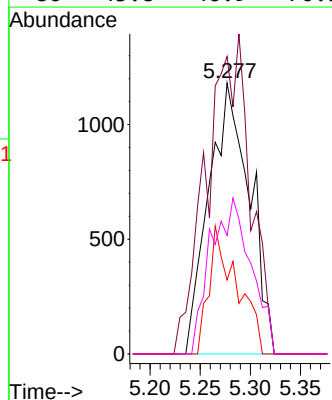
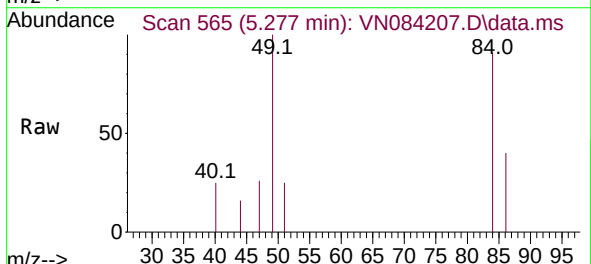


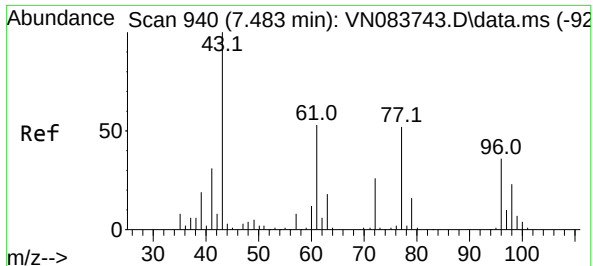
Tgt Ion: 43 Resp: 1768
Ion Ratio Lower Upper
43 100
74 3.4 19.0 28.4#



#20
Methylene Chloride
Concen: 1.588 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

Tgt Ion: 84 Resp: 3341
Ion Ratio Lower Upper
84 100
49 109.8 93.4 140.0
51 27.3 29.2 43.8#
86 43.8 46.9 70.3#





#25

2-Butanone

Concen: 3.078 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN084207.D

Acq: 27 Sep 2024 16:42

Instrument :

MSVOA_N

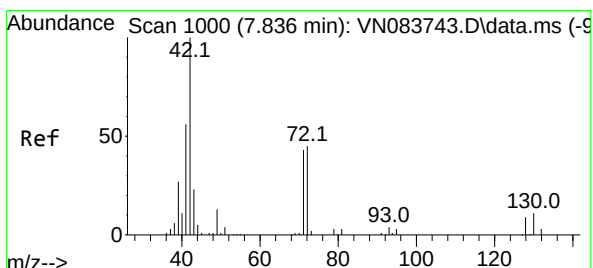
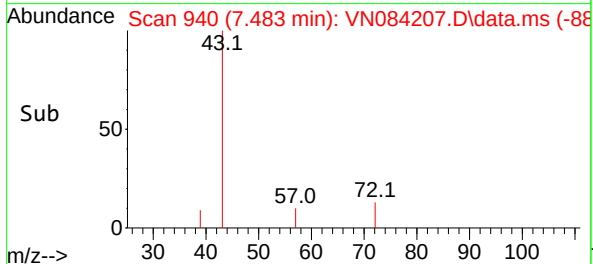
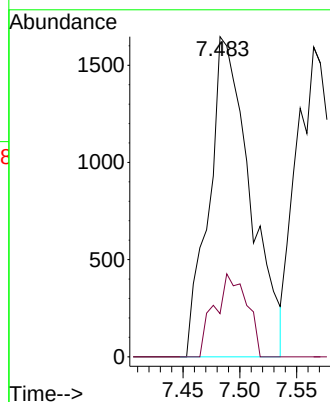
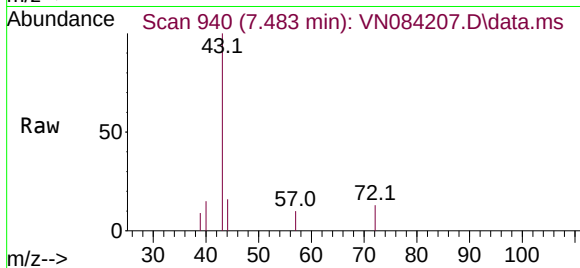
ClientSampleId :

Tgt Ion: 43 Resp: 4159

Ion Ratio Lower Upper

43 100

72 13.5 20.8 31.2#



#29

Tetrahydrofuran

Concen: 0.571 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN084207.D

Acq: 27 Sep 2024 16:42

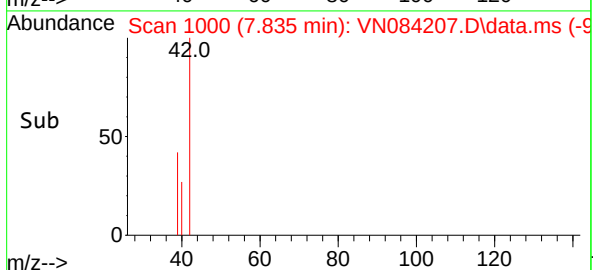
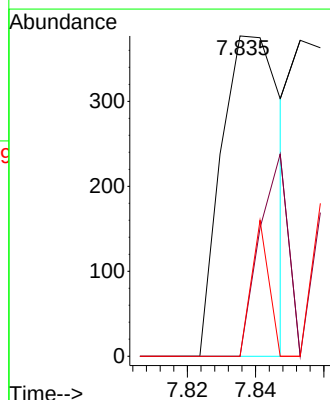
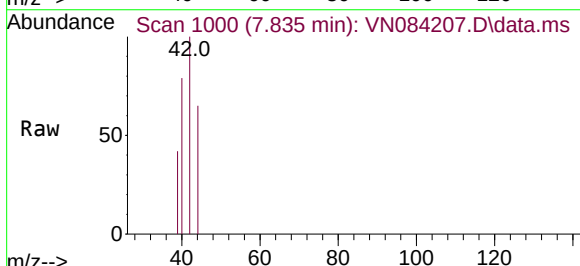
Tgt Ion: 42 Resp: 456

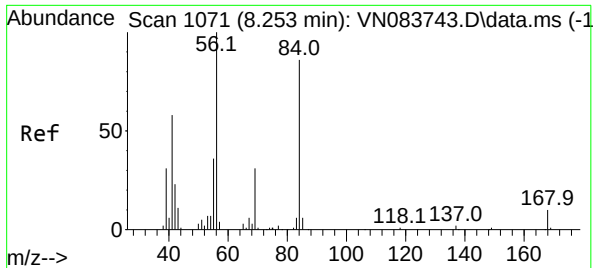
Ion Ratio Lower Upper

42 100

72 43.2 35.9 53.9

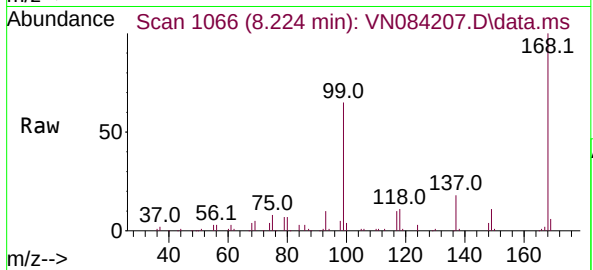
71 12.3 33.9 50.9#



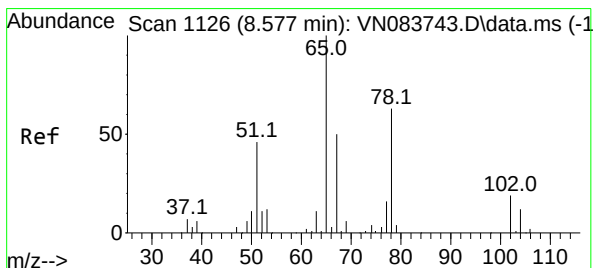
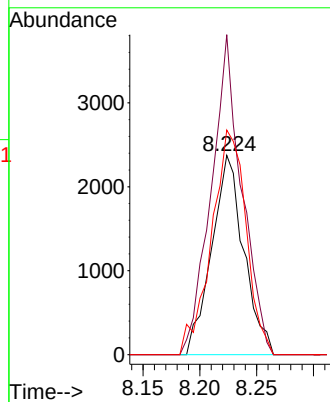
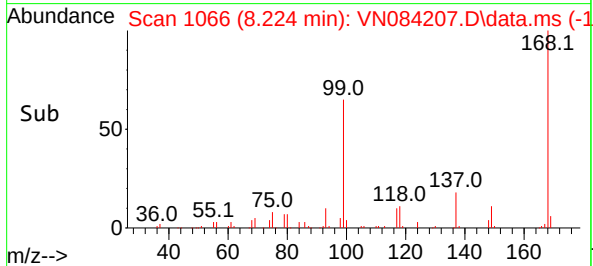


#31
Cyclohexane
Concen: 1.258 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

Instrument :
MSVOA_N
ClientSampleId :

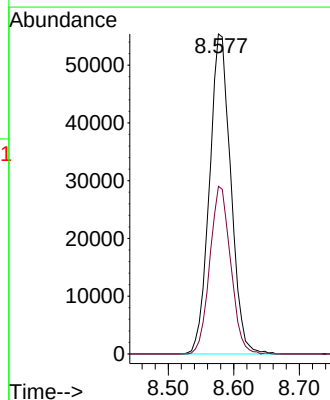
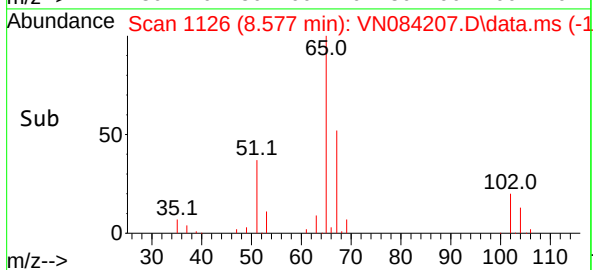
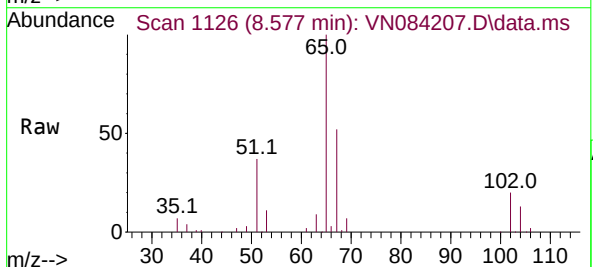


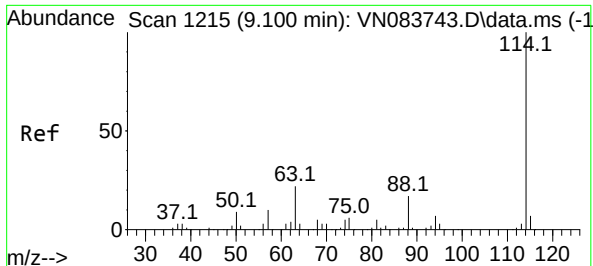
Tgt Ion: 56 Resp: 4664
Ion Ratio Lower Upper
56 100
69 160.5 26.9 40.3#
84 112.7 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 48.691 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

Tgt Ion: 65 Resp: 124862
Ion Ratio Lower Upper
65 100
67 51.3 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN084207.D

Acq: 27 Sep 2024 16:42

Instrument :

MSVOA_N

ClientSampleId :

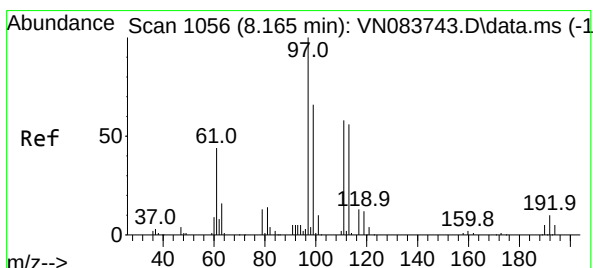
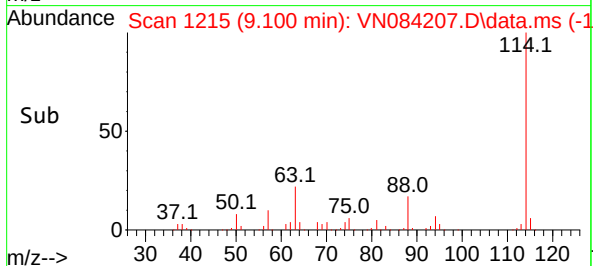
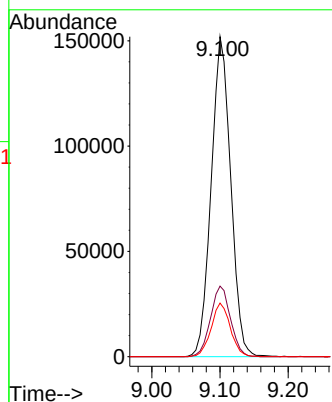
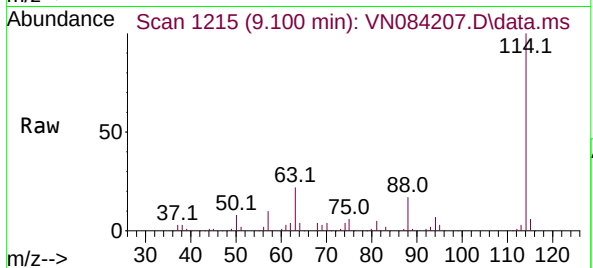
Tgt Ion:114 Resp: 303129

Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.4

88 16.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.746 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN084207.D

Acq: 27 Sep 2024 16:42

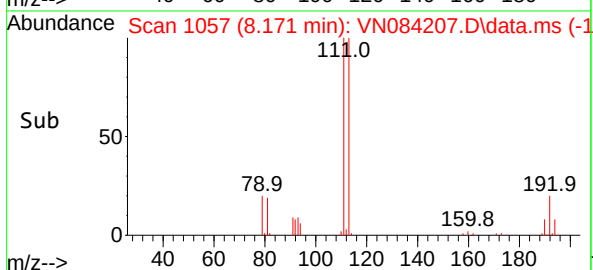
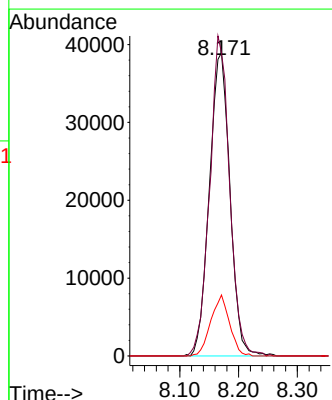
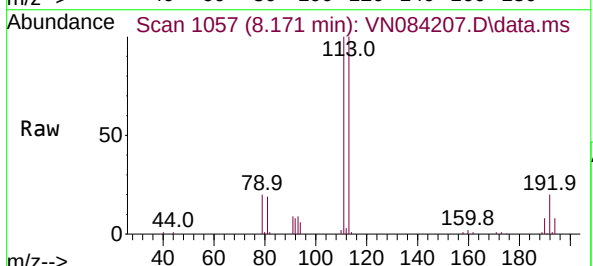
Tgt Ion:113 Resp: 94596

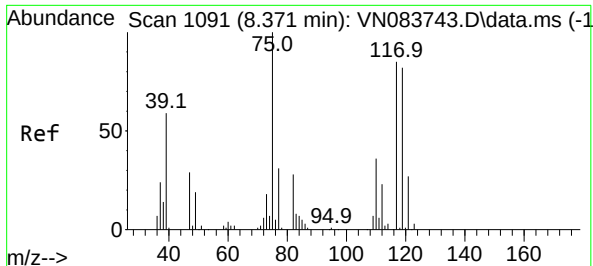
Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

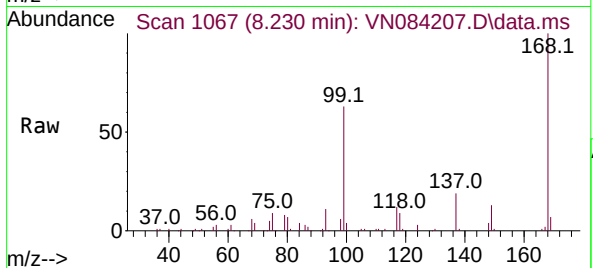
192 18.3 14.3 21.5



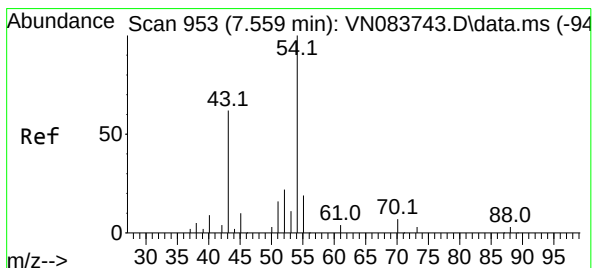
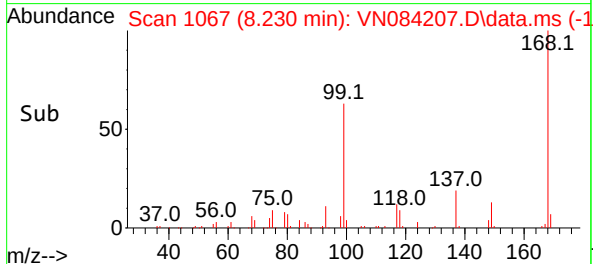
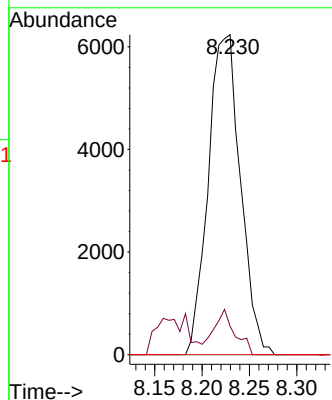


#36
1,1-Dichloropropene
Concen: 5.052 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

Instrument :
MSVOA_N
ClientSampleId :

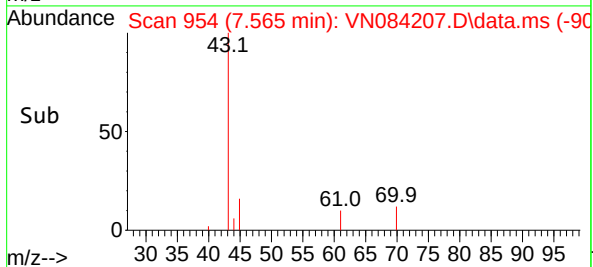
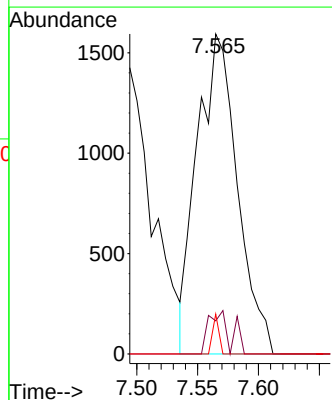
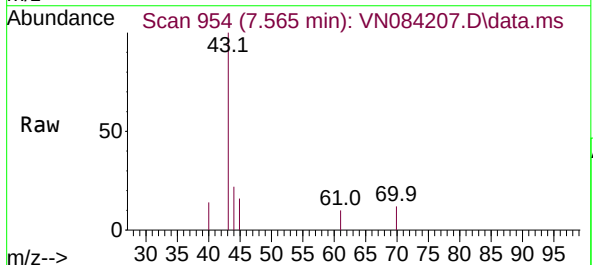


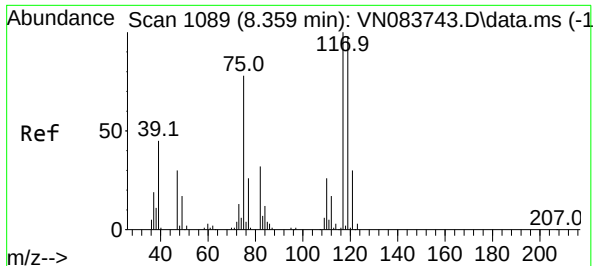
Tgt Ion: 75 Resp: 14756
Ion Ratio Lower Upper
75 100
110 9.3 16.7 50.1#
77 0.0 25.2 37.8#



#37
Ethyl Acetate
Concen: 1.381 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

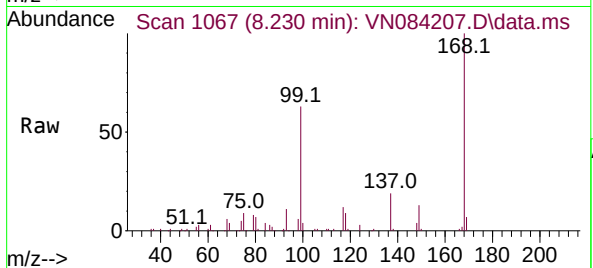
Tgt Ion: 43 Resp: 3662
Ion Ratio Lower Upper
43 100
61 7.3 11.1 16.7#
70 1.9 8.8 13.2#



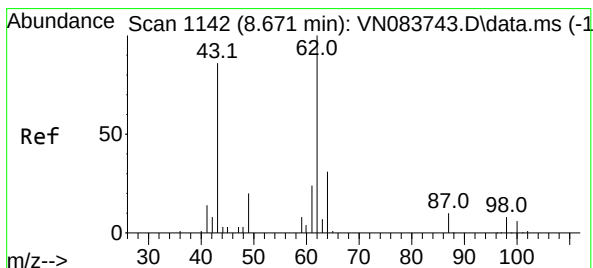
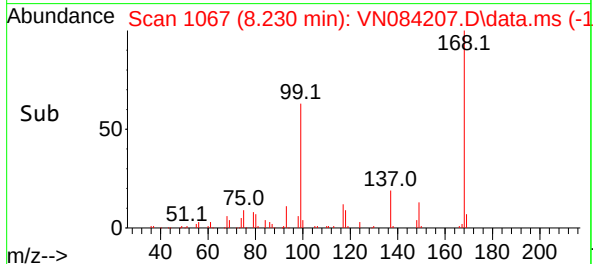
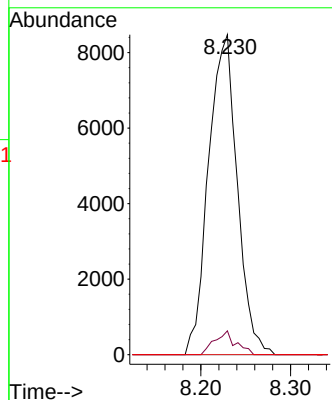


#38
Carbon Tetrachloride
Concen: 5.690 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.129 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

Instrument :
MSVOA_N
ClientSampleId :

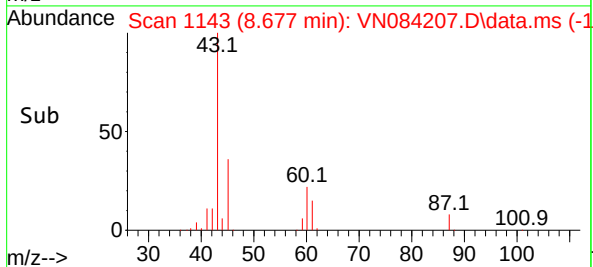
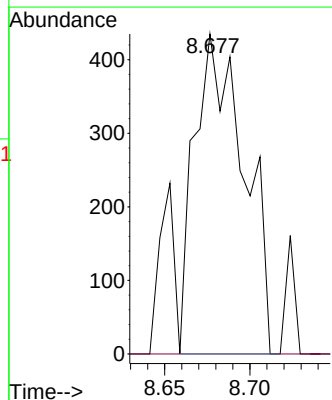
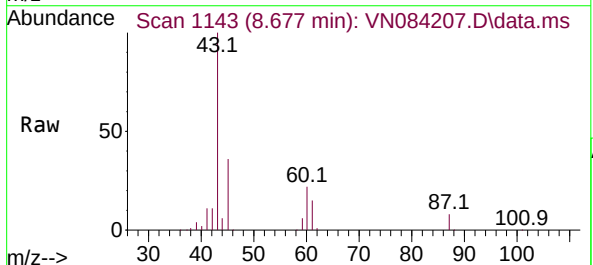


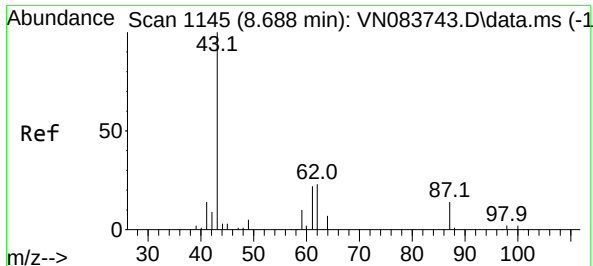
Tgt Ion:117 Resp: 18855
Ion Ratio Lower Upper
117 100
119 7.4 76.1 114.1#
121 0.0 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 0.268 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

Tgt Ion: 62 Resp: 881
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6





#43

Isopropyl Acetate

Concen: 64.765 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

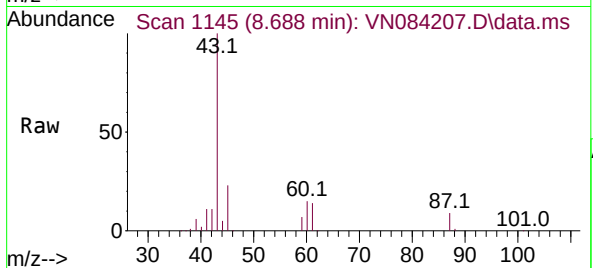
Lab File: VN084207.D

Acq: 27 Sep 2024 16:42

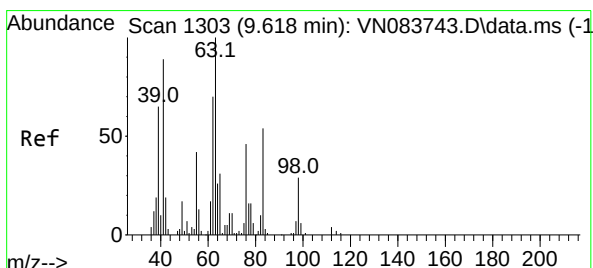
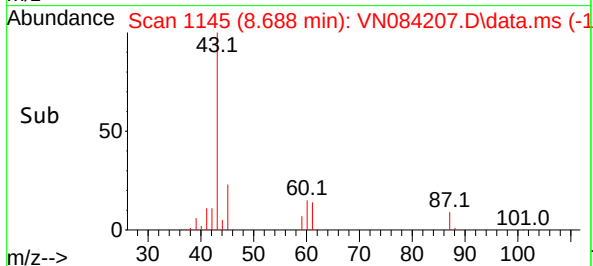
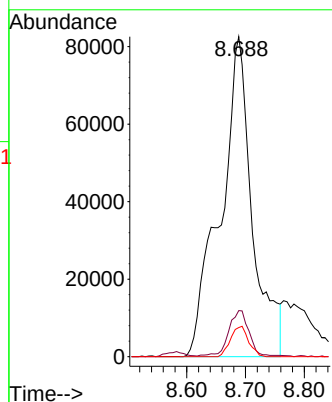
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	311163
Ion	Ratio	Lower	Upper
43	100		
61	9.4	19.4	29.0#
87	5.4	9.8	14.6#



#45

1,2-Dichloropropane

Concen: 0.803 ug/l

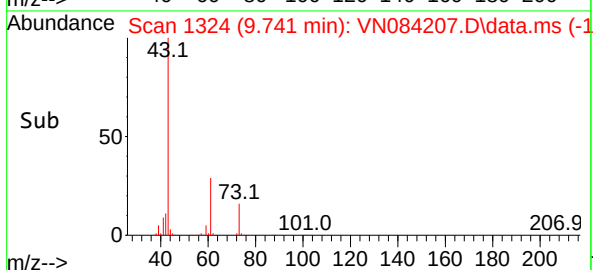
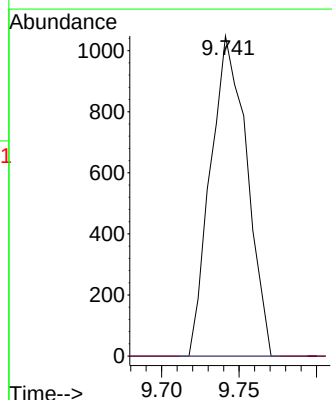
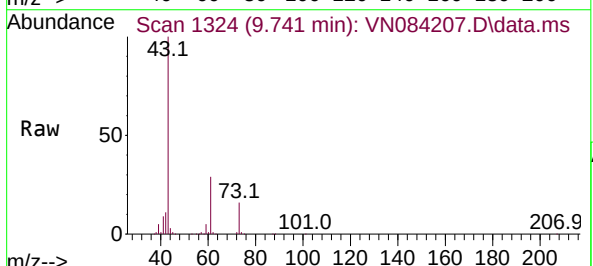
RT: 9.741 min Scan# 1324

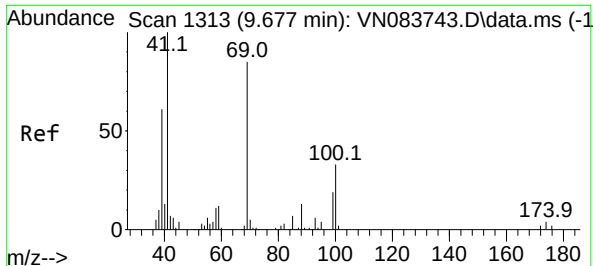
Delta R.T. 0.123 min

Lab File: VN084207.D

Acq: 27 Sep 2024 16:42

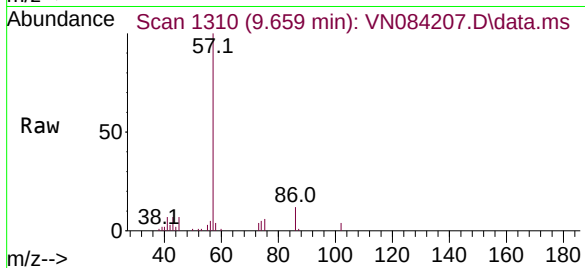
Tgt Ion:	63	Resp:	1706
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.9	38.9#



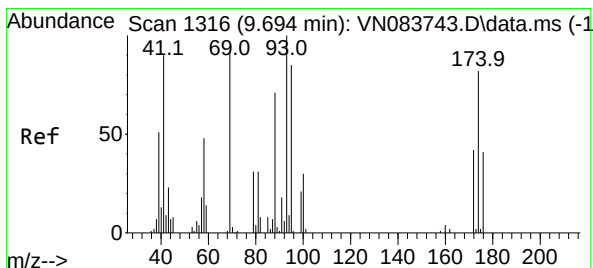
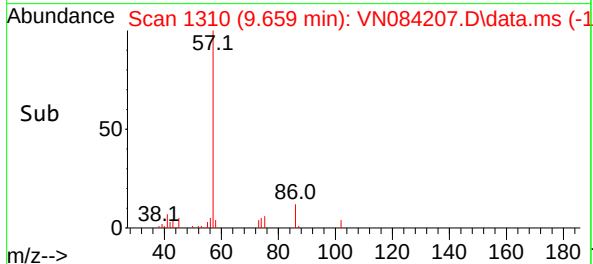
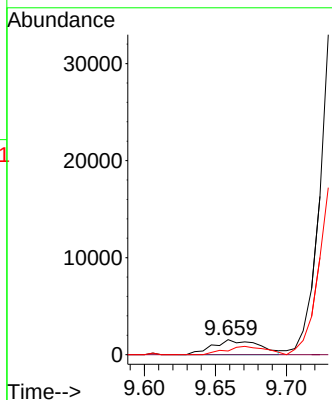


#48
Methyl methacrylate
Concen: 1.514 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

Instrument :
MSVOA_N
ClientSampleId :

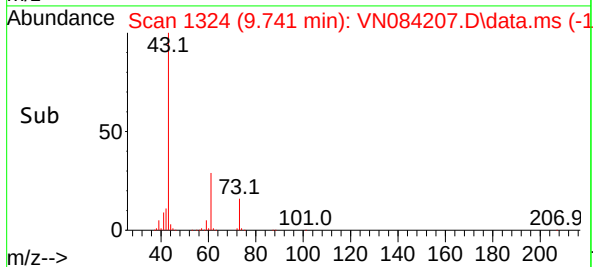
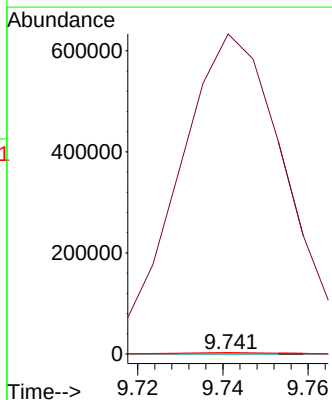
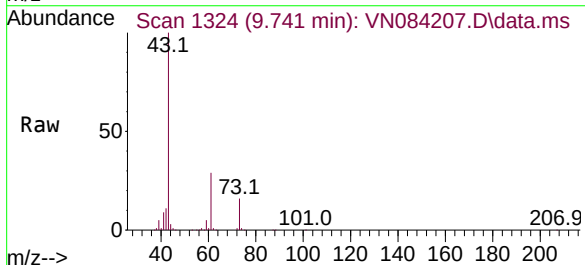


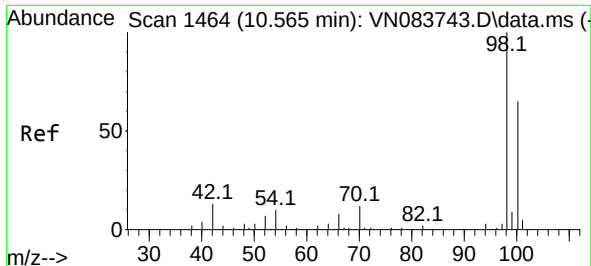
Tgt Ion: 41 Resp: 3450
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 49.0 48.9 73.3



#49
1,4-Dioxane
Concen: 1.413 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 2146179.2 0.0 0.0#
58 9337.7 57.1 85.7#

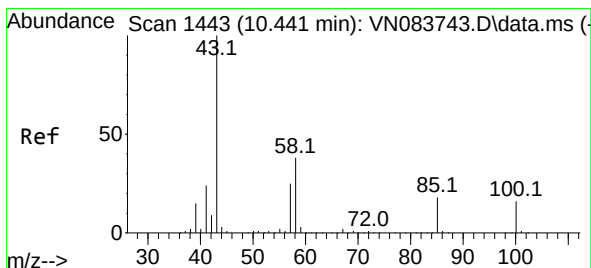
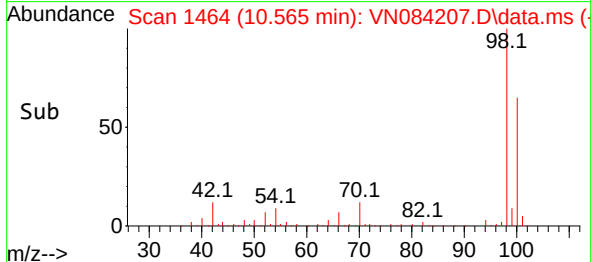
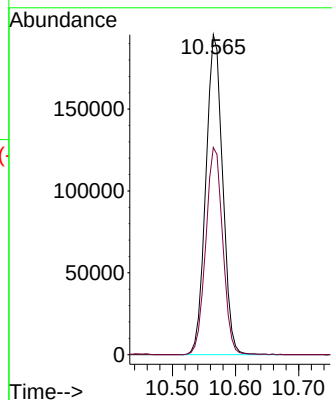
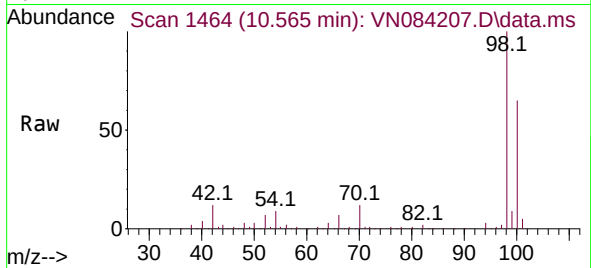




#50
Toluene-d8
Concen: 53.829 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

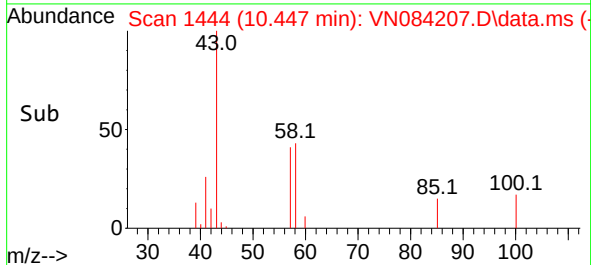
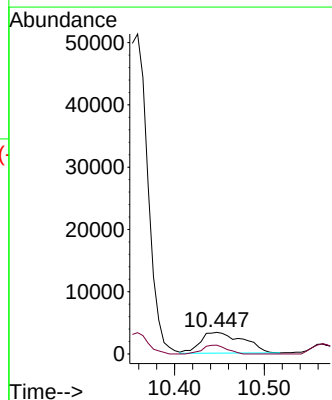
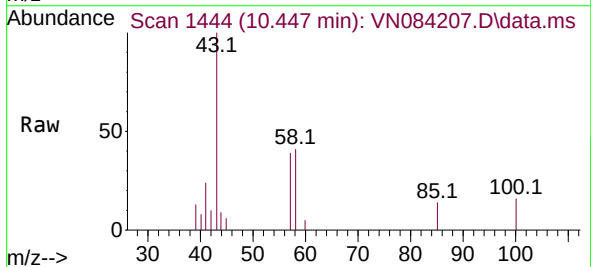
Instrument :
MSVOA_N
ClientSampleId :

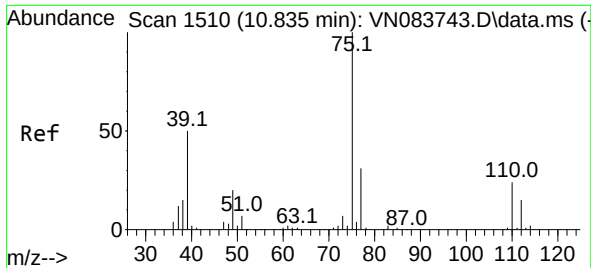
Tgt Ion: 98 Resp: 361124
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.260 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

Tgt Ion: 43 Resp: 11141
Ion Ratio Lower Upper
43 100
58 23.9 31.6 47.4#

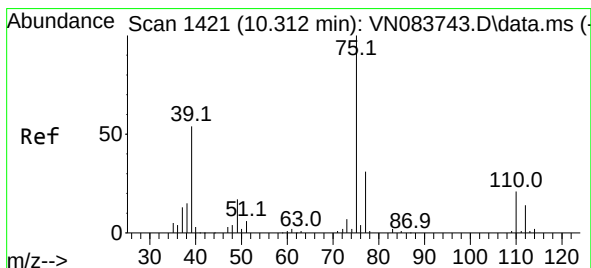
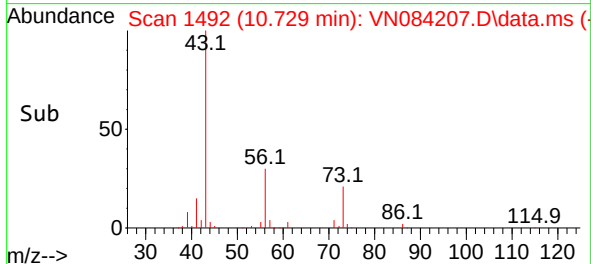
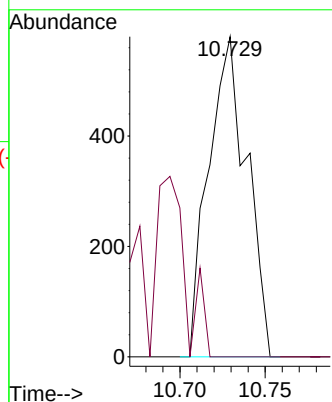
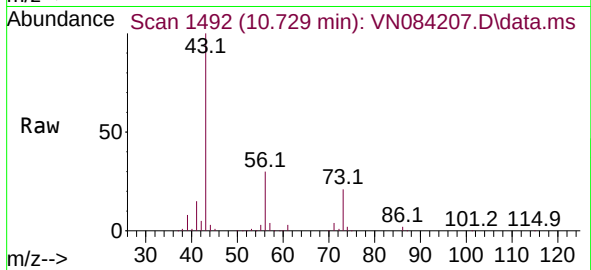




#53
 t-1,3-Dichloropropene
 Concen: 0.277 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN084207.D
 Acq: 27 Sep 2024 16:42

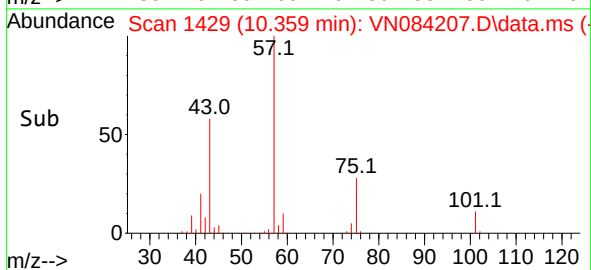
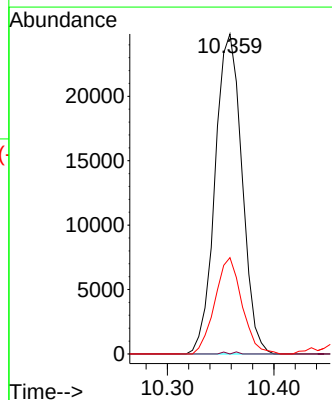
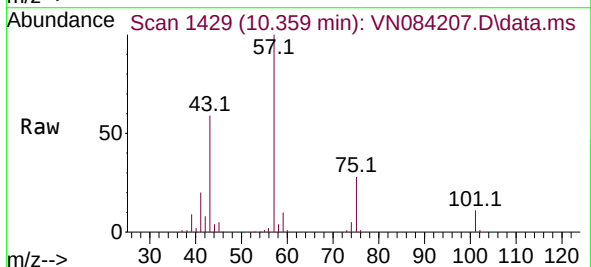
Instrument :
 MSVOA_N
 ClientSampleId :

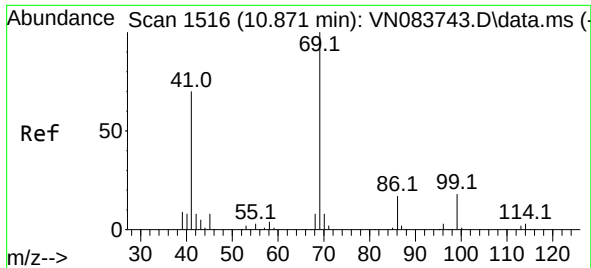
Tgt Ion: 75 Resp: 905
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#



#54
 cis-1,3-Dichloropropene
 Concen: 12.689 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084207.D
 Acq: 27 Sep 2024 16:42

Tgt Ion: 75 Resp: 43518
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 30.1 42.6 64.0#

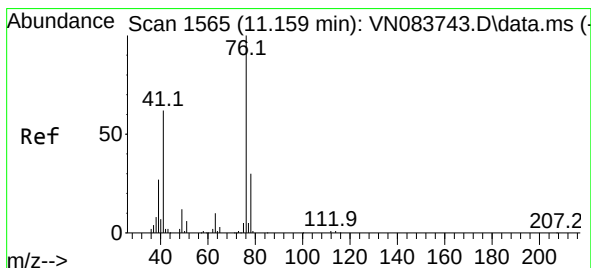
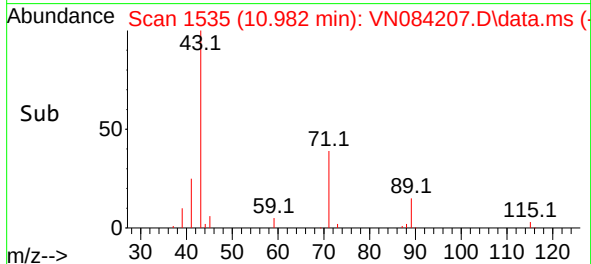
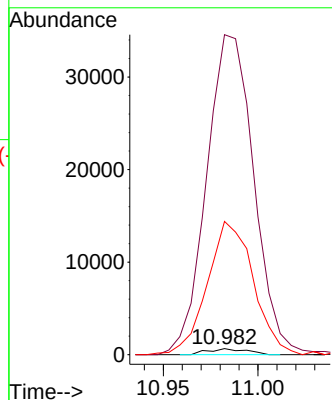
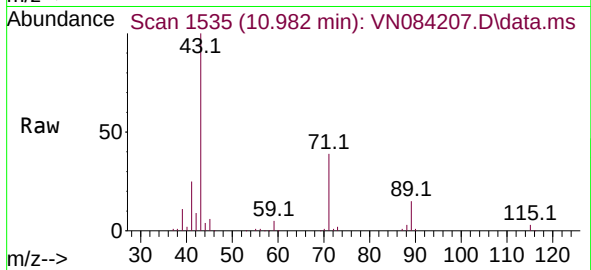




#56
Ethyl methacrylate
Concen: 0.303 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

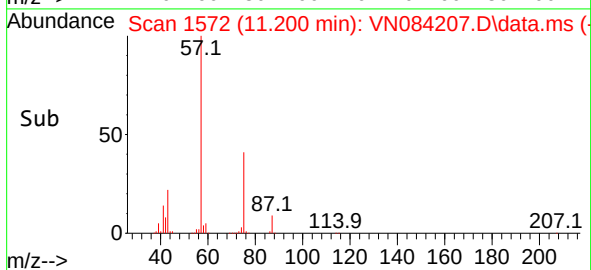
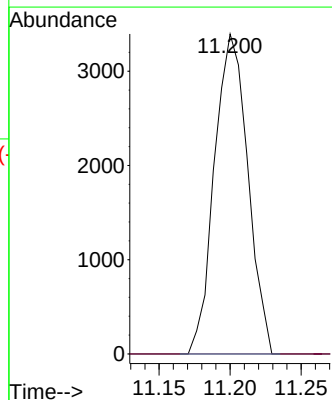
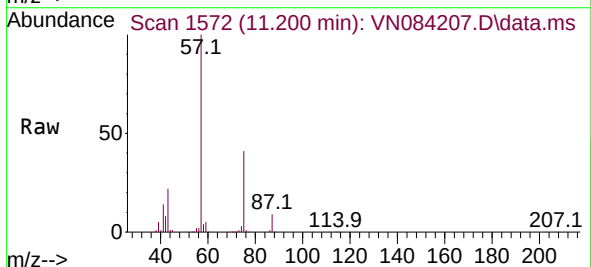
Instrument :
MSVOA_N
ClientSampleId :

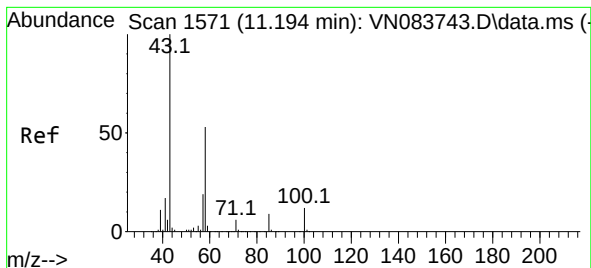
Tgt Ion: 69 Resp: 936
Ion Ratio Lower Upper
69 100
41 6455.8 53.9 80.9#
39 2599.3 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 1.610 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

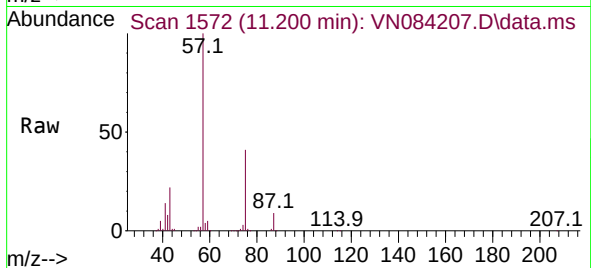
Tgt Ion: 76 Resp: 5554
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



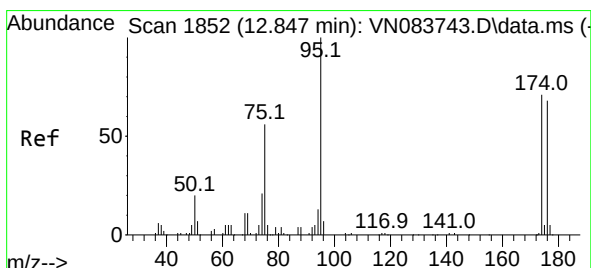
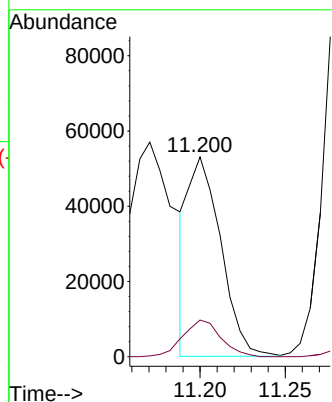
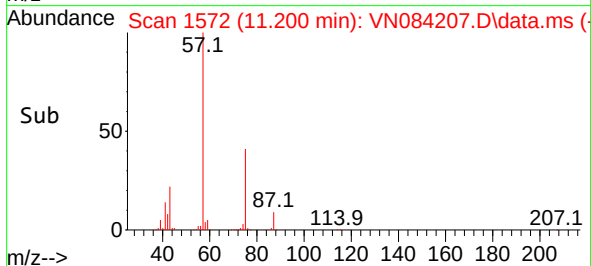


#59
2-Hexanone
Concen: 36.834 ug/l
RT: 11.200 min Scan# 1157
Delta R.T. 0.006 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

Instrument :
MSVOA_N
ClientSampleId :

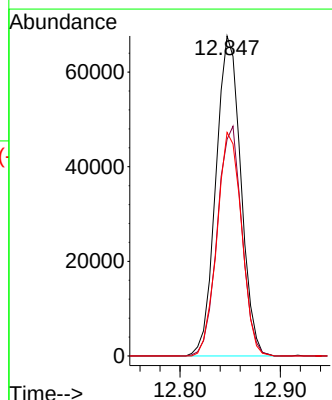
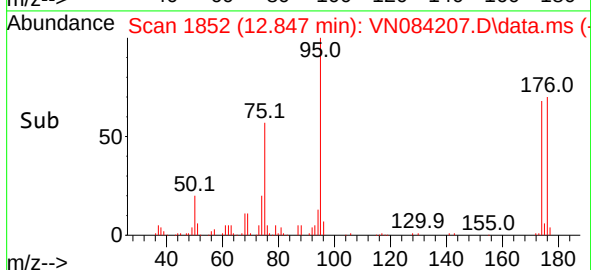
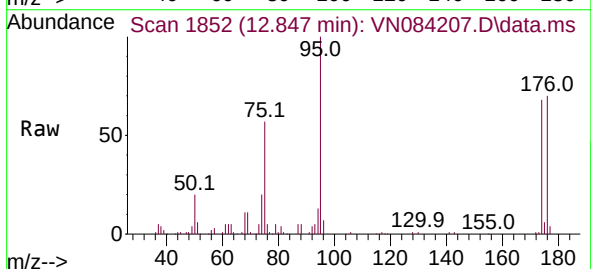


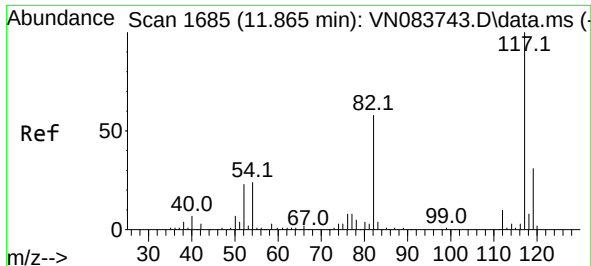
Tgt Ion: 43 Resp: 71259
Ion Ratio Lower Upper
43 100
58 21.2 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 42.176 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

Tgt Ion: 95 Resp: 116737
Ion Ratio Lower Upper
95 100
174 70.6 0.0 139.8
176 69.1 0.0 131.4

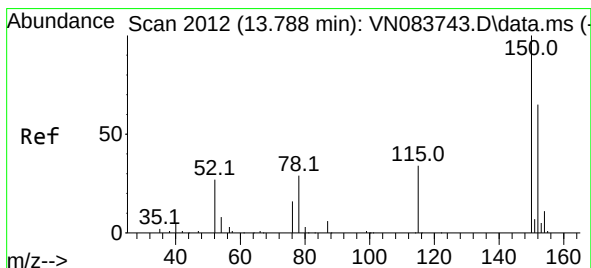
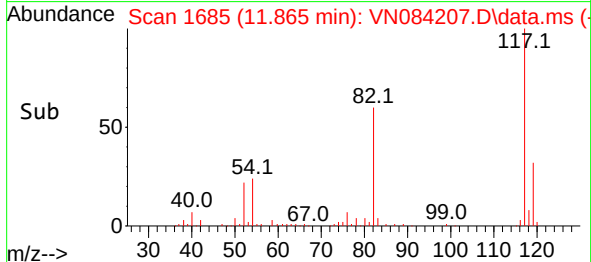
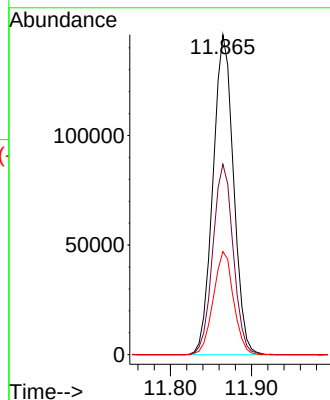
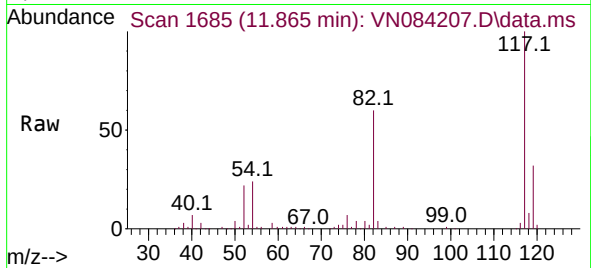




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

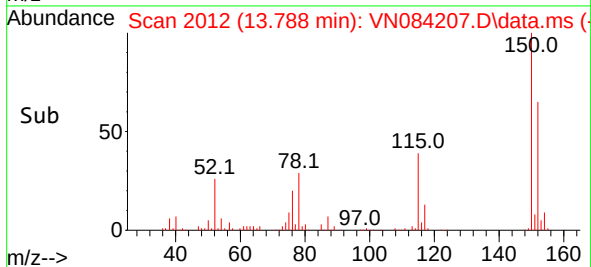
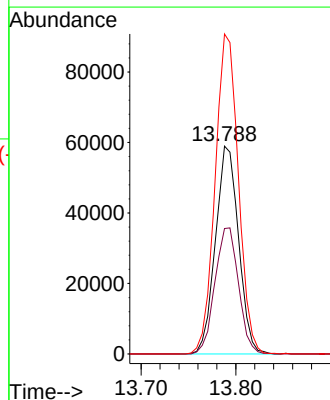
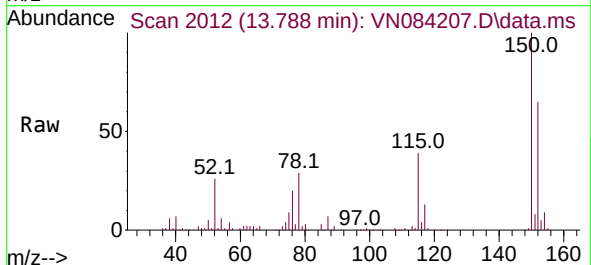
Instrument :
MSVOA_N
ClientSampleId :

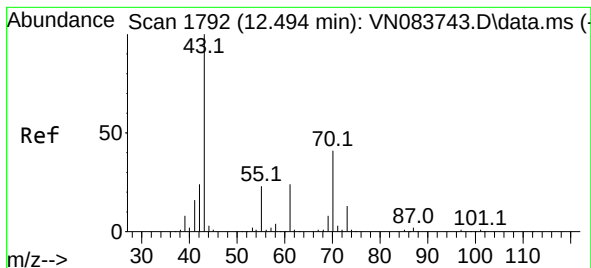
Tgt Ion:117 Resp: 256636
Ion Ratio Lower Upper
117 100
82 59.5 47.4 71.0
119 32.3 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

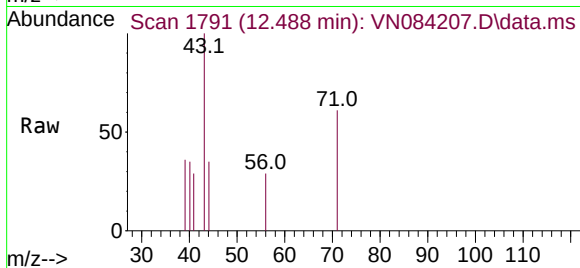
Tgt Ion:152 Resp: 100086
Ion Ratio Lower Upper
152 100
115 61.9 32.2 96.6
150 154.8 0.0 348.6



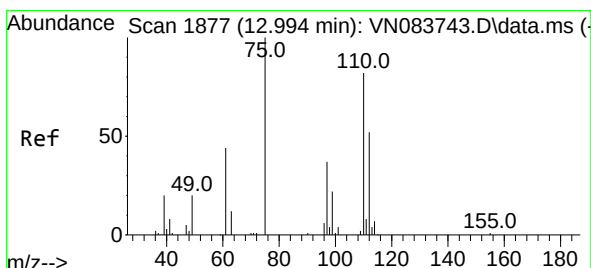
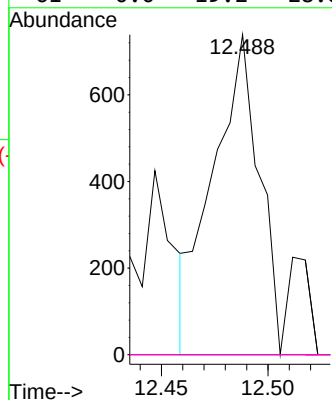
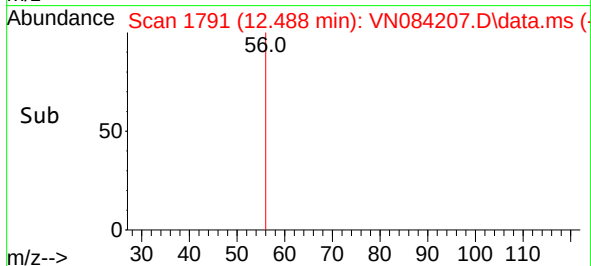


#74
N-amy1 acetate
Concen: 0.335 ug/l
RT: 12.488 min Scan# 1108
Delta R.T. -0.006 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

Instrument :
MSVOA_N
ClientSampleId :

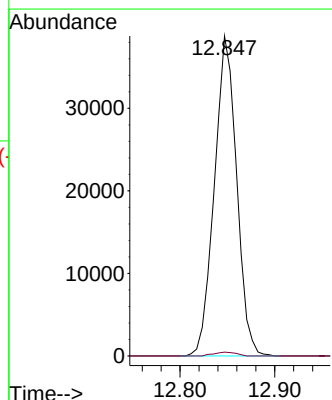
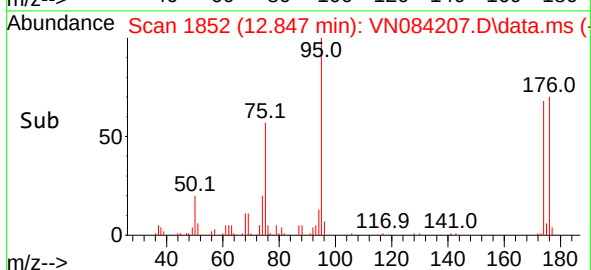
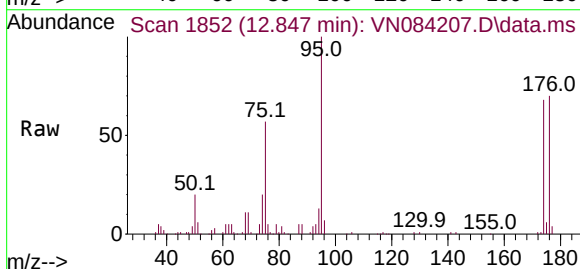


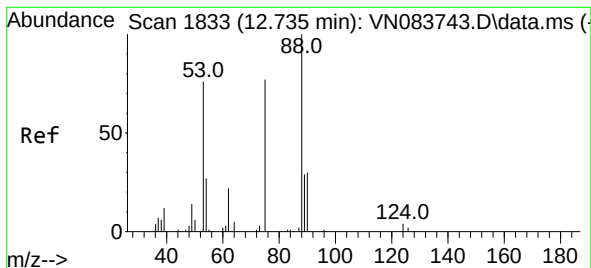
Tgt Ion:	43	Resp:	1108
Ion Ratio	100	Lower	Upper
43	100		
70	0.0	34.5	51.7#
55	0.0	18.6	28.0#
61	0.0	19.2	28.8#



#76
1,2,3-Trichloropropane
Concen: 31.365 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

Tgt Ion:	75	Resp:	63342
Ion Ratio	100	Lower	Upper
75	100		
77	1.2	95.2	285.6#

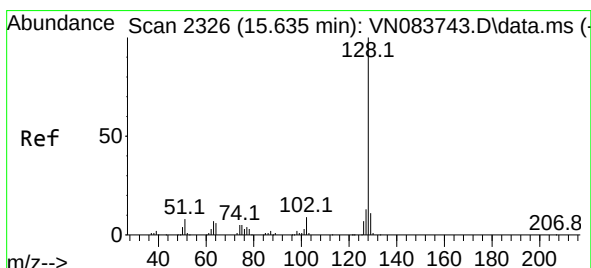
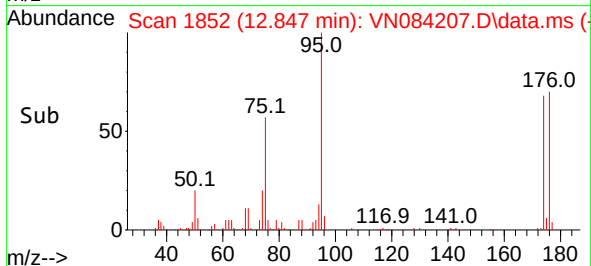
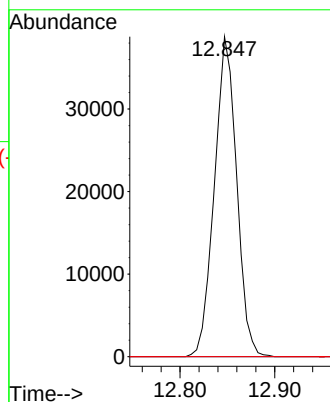
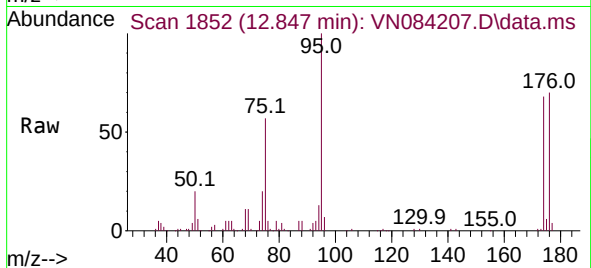




#81
trans-1,4-Dichloro-2-butene
Concen: 82.146 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 63342
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#95
Naphthalene
Concen: 4.771 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084207.D
Acq: 27 Sep 2024 16:42

Tgt Ion:128 Resp: 26445
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.2
129 11.0 8.7 13.1

