

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
 Data File : VN083512.D
 Acq On : 27 Aug 2024 16:18
 Operator : JC\MD
 Sample : P3726-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 28 01:48:30 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

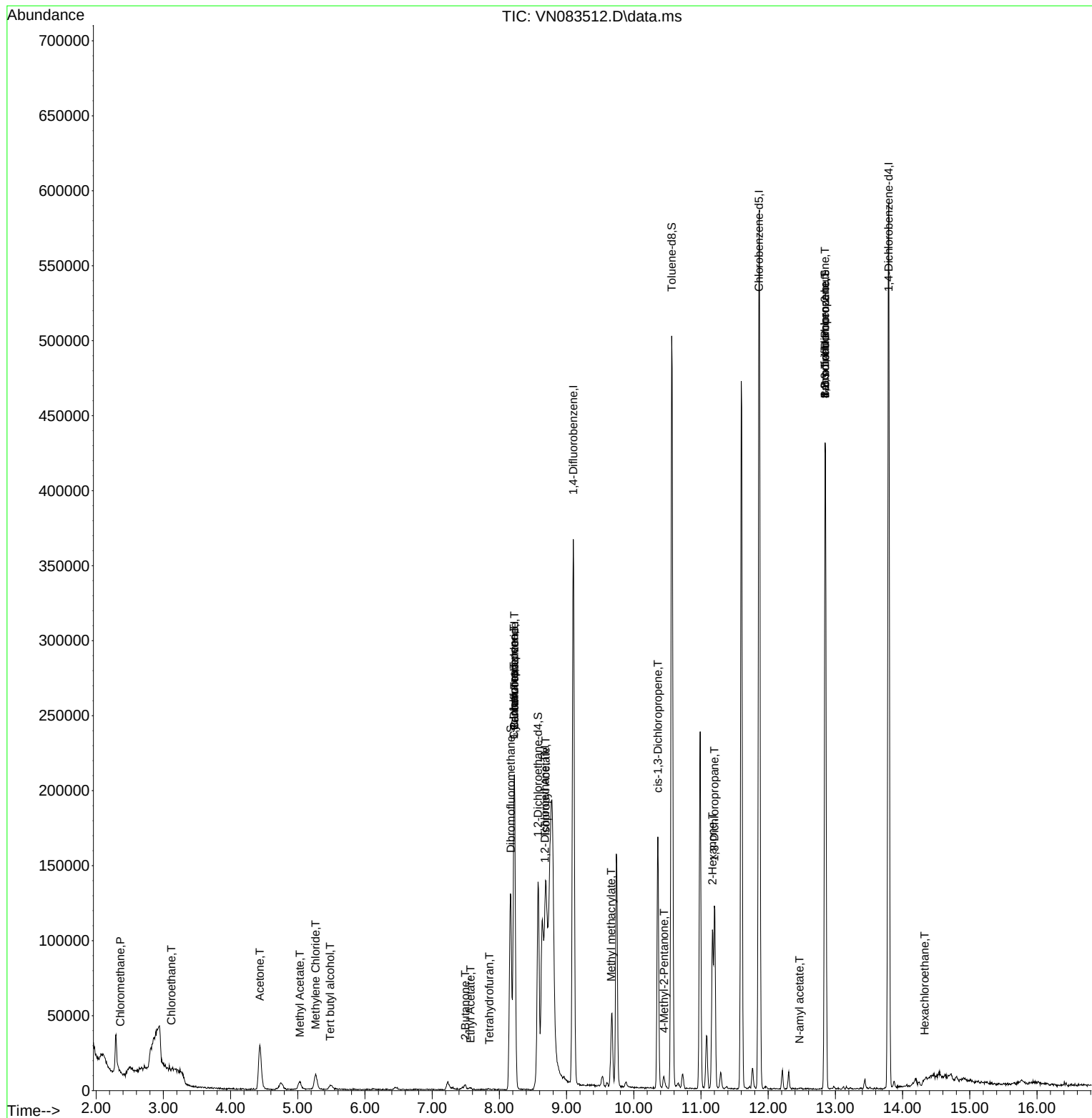
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	147326	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	305569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	321955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	150010	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115569	55.111	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.220%	
35) Dibromofluoromethane	8.171	113	93722	49.139	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.280%	
50) Toluene-d8	10.565	98	344713	48.451	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.900%	
62) 4-Bromofluorobenzene	12.847	95	156747	56.512	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 113.020%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	679	0.397	ug/l #	82
6) Chloroethane	3.118	64	278	0.255	ug/l #	41
11) Tert butyl alcohol	5.483	59	3262	7.485	ug/l #	71
16) Acetone	4.436	43	51737	63.051	ug/l	99
18) Methyl Acetate	5.030	43	10237	4.187	ug/l	98
20) Methylene Chloride	5.265	84	7924	4.196	ug/l #	83
25) 2-Butanone	7.494	43	6247	4.958	ug/l	94
29) Tetrahydrofuran	7.853	42	557	0.684	ug/l #	38
31) Cyclohexane	8.218	56	3883	1.249	ug/l #	22
36) 1,1-Dichloropropene	8.218	75	13282	4.603	ug/l #	51
37) Ethyl Acetate	7.571	43	2190	0.678	ug/l #	86
38) Carbon Tetrachloride	8.224	117	16801	5.170	ug/l #	17
42) 1,2-Dichloroethane	8.677	62	731	0.233	ug/l #	78
43) Isopropyl Acetate	8.688	43	165599	28.433	ug/l #	77
48) Methyl methacrylate	9.665	41	3378	1.265	ug/l #	50
51) 4-Methyl-2-Pentanone	10.453	43	7225	2.365	ug/l	89
54) cis-1,3-Dichloropropene	10.359	75	29631	8.271	ug/l #	54
57) 1,3-Dichloropropane	11.200	76	1187	0.342	ug/l #	43
59) 2-Hexanone	11.170	43	103420	43.760	ug/l #	28
71) Bromoform	12.847	173	920	0.484	ug/l #	29
74) N-amyl acetate	12.464	43	1346	0.219	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	85132	25.858	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	85132	56.246	ug/l #	6
90) Hexachloroethane	14.329	117	1600	0.790	ug/l #	14

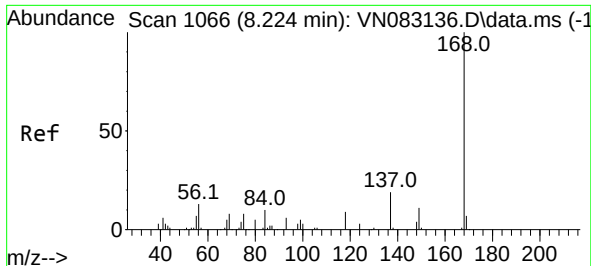
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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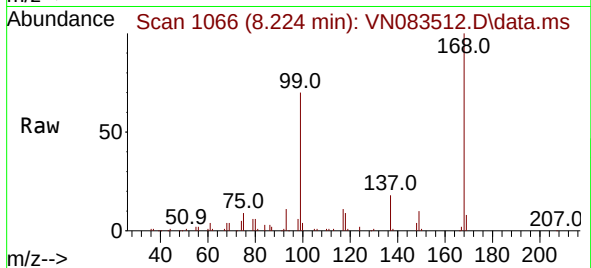
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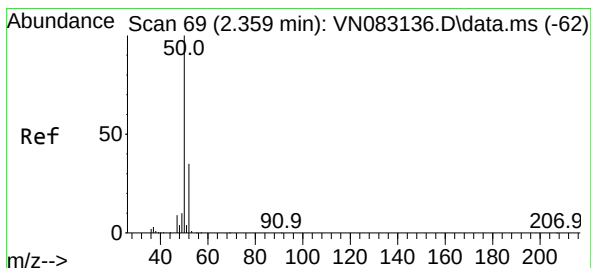
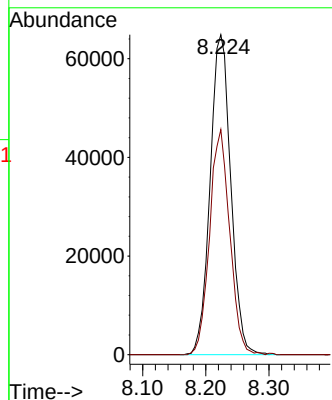
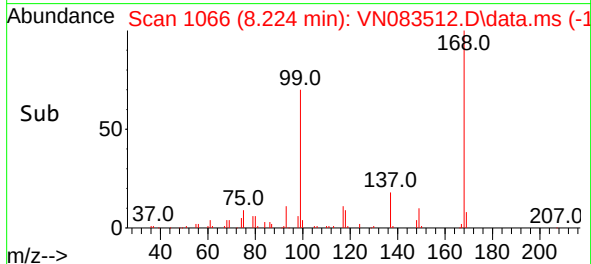


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

Instrument :
MSVOA_N
ClientSampleId :

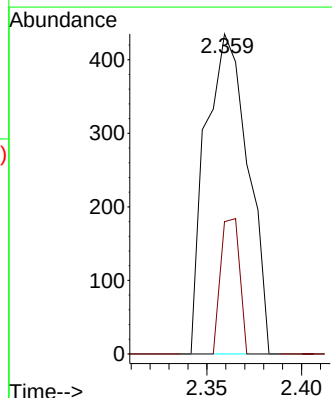
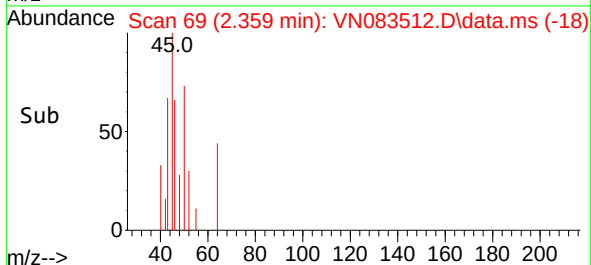
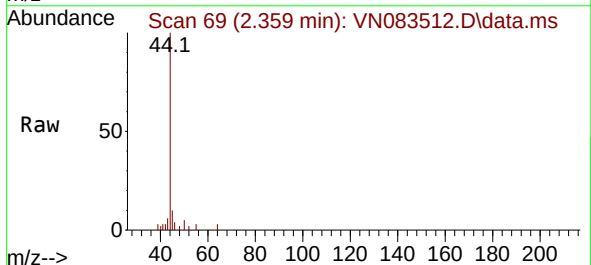


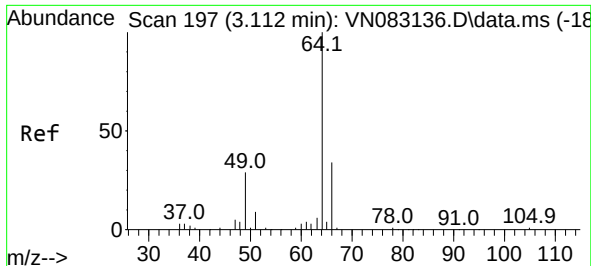
Tgt Ion:168 Resp: 147326
Ion Ratio Lower Upper
168 100
99 70.3 48.2 72.4



#3
Chloromethane
Concen: 0.397 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

Tgt Ion: 50 Resp: 679
Ion Ratio Lower Upper
50 100
52 41.4 25.0 37.4#

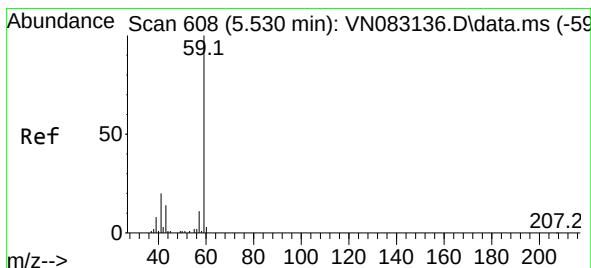
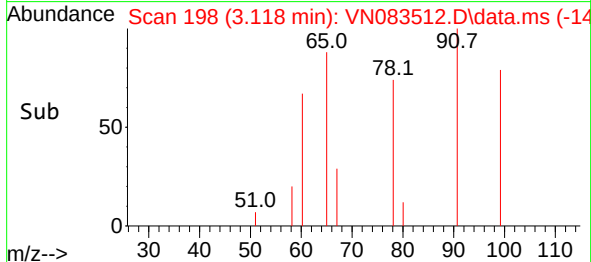
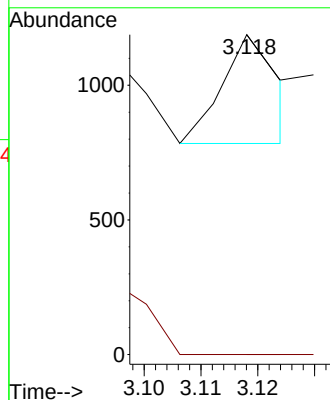
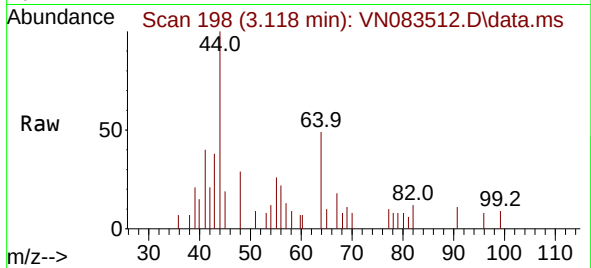




#6
Chloroethane
Concen: 0.255 ug/l
RT: 3.118 min Scan# 197
Delta R.T. 0.006 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

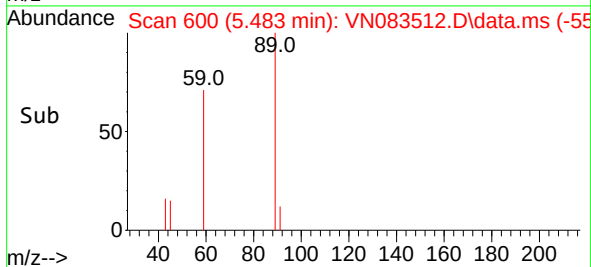
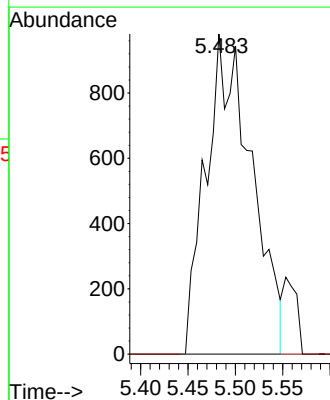
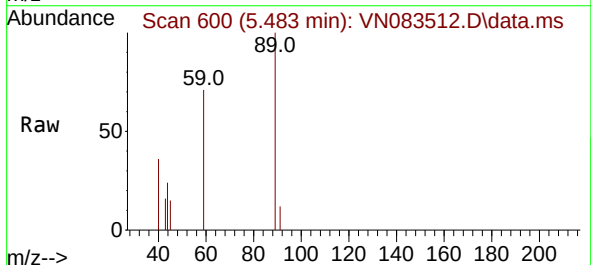
Instrument :
MSVOA_N
ClientSampleId :

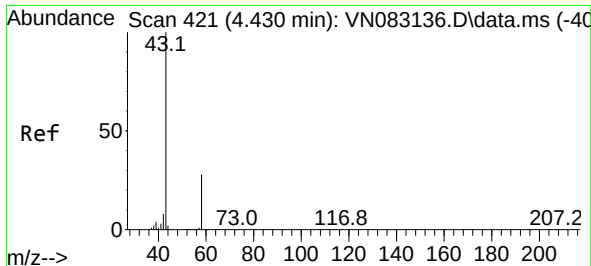
Tgt Ion: 64 Resp: 278
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



#11
Tert butyl alcohol
Concen: 7.485 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.047 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

Tgt Ion: 59 Resp: 3262
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

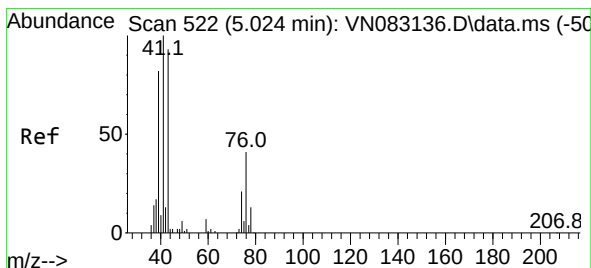
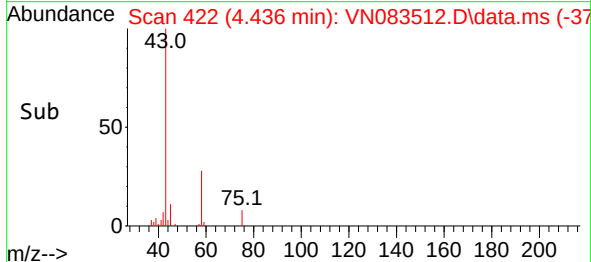
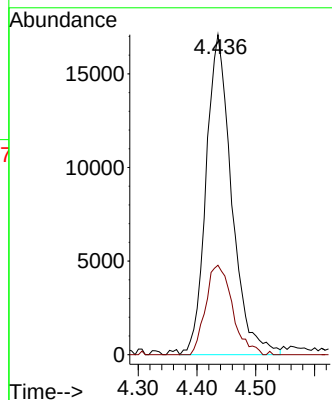
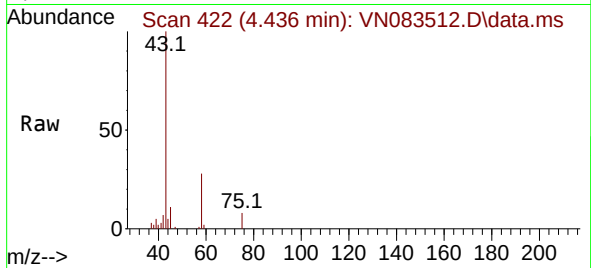




#16
Acetone
Concen: 63.051 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

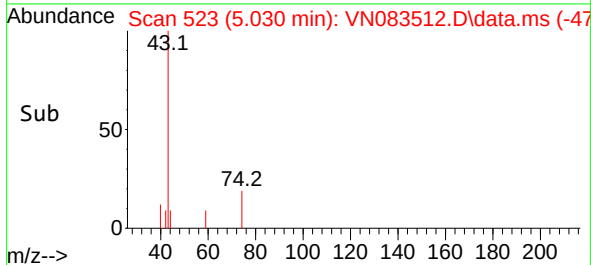
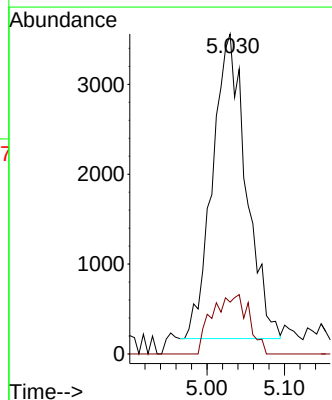
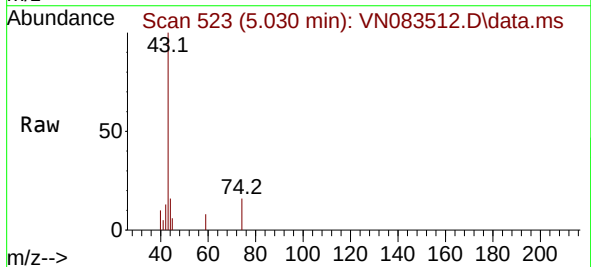
Instrument :
MSVOA_N
ClientSampleId :

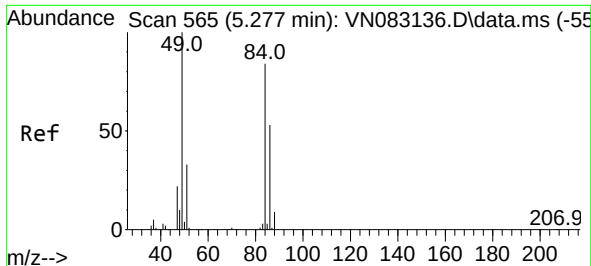
Tgt Ion: 43 Resp: 51737
Ion Ratio Lower Upper
43 100
58 28.0 21.8 32.6



#18
Methyl Acetate
Concen: 4.187 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

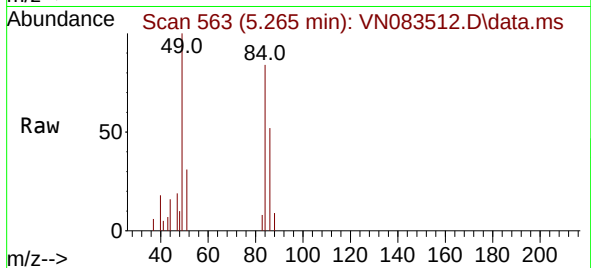
Tgt Ion: 43 Resp: 10237
Ion Ratio Lower Upper
43 100
74 21.2 16.3 24.5



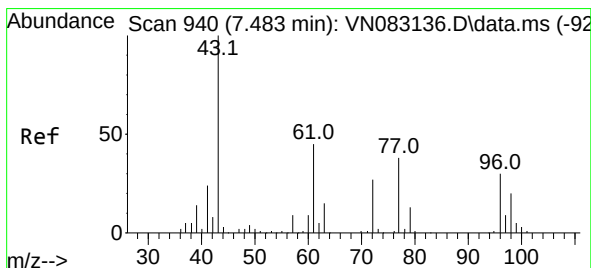
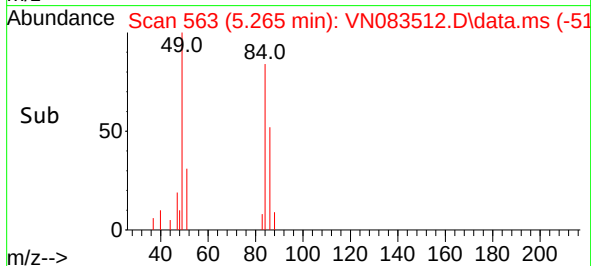
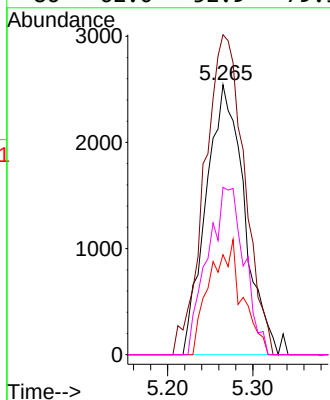


#20
Methylene Chloride
Concen: 4.196 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

Instrument :
MSVOA_N
ClientSampleId :

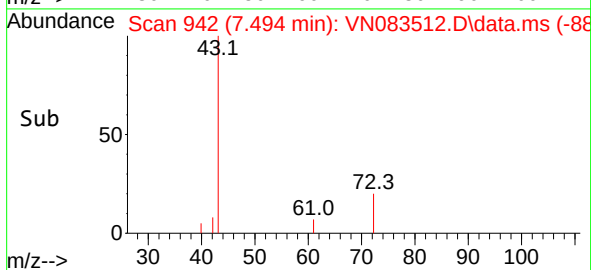
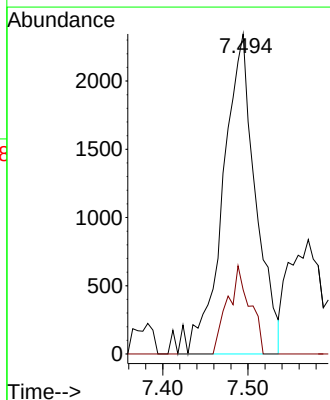
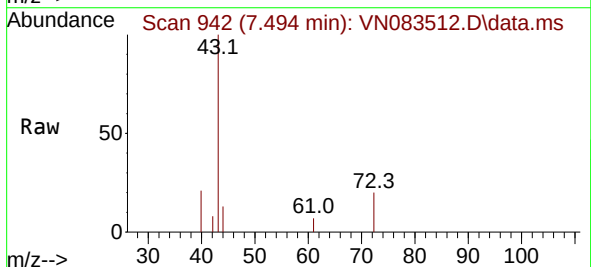


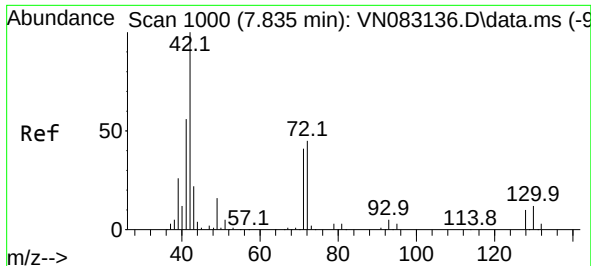
Tgt Ion:	84	Resp:	7924
Ion	Ratio	Lower	Upper
84	100		
49	118.5	119.6	179.4#
51	37.1	34.8	52.2
86	62.0	52.9	79.3



#25
2-Butanone
Concen: 4.958 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

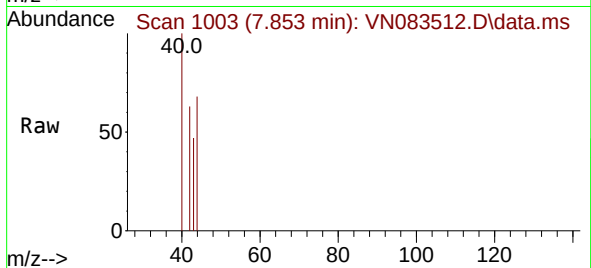
Tgt Ion:	43	Resp:	6247
Ion	Ratio	Lower	Upper
43	100		
72	20.0	18.2	27.2



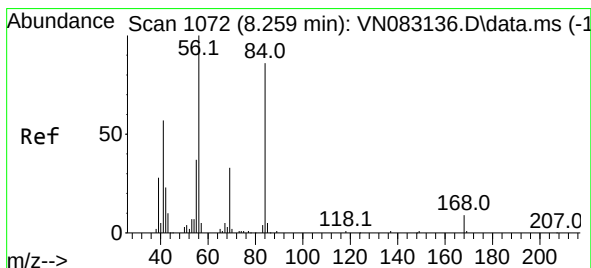
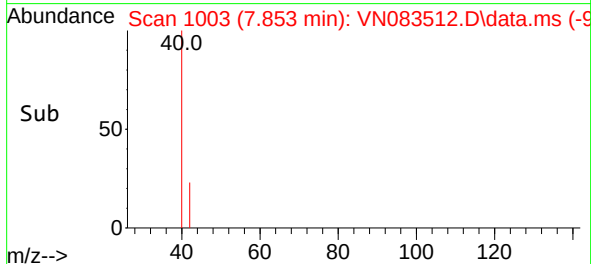
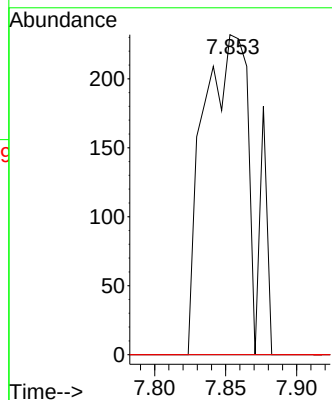


#29
Tetrahydrofuran
Concen: 0.684 ug/l
RT: 7.853 min Scan# 1065
Delta R.T. 0.018 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

Instrument :
MSVOA_N
ClientSampleId :

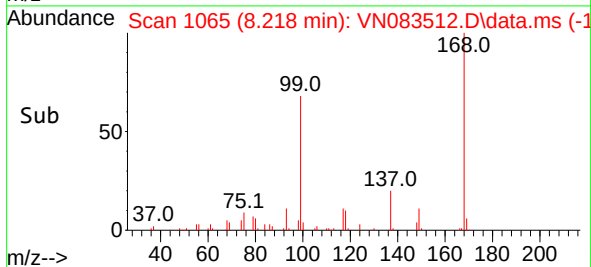
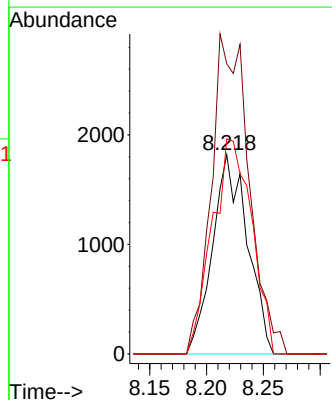
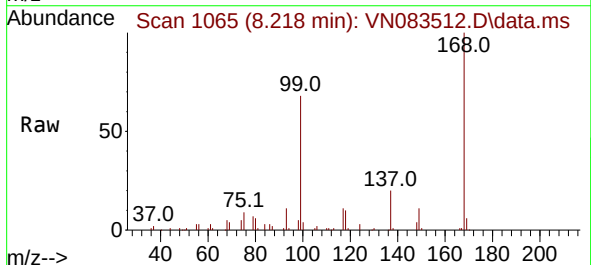


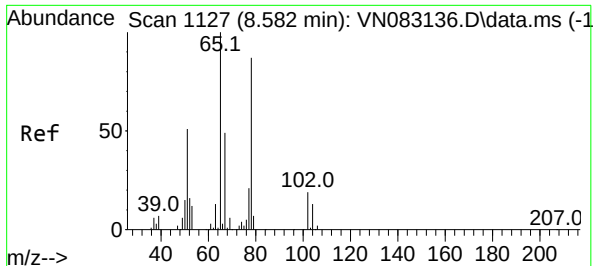
Tgt Ion:	42	Resp:	557
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.0	45.0#
71	0.0	28.3	42.5#



#31
Cyclohexane
Concen: 1.249 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

Tgt Ion:	56	Resp:	3883
Ion	Ratio	Lower	Upper
56	100		
69	145.6	24.5	36.7#
84	107.9	66.0	99.0#





#33

1,2-Dichloroethane-d4

Concen: 55.111 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.005 min

Lab File: VN083512.D

Acq: 27 Aug 2024 16:18

Instrument :

MSVOA_N

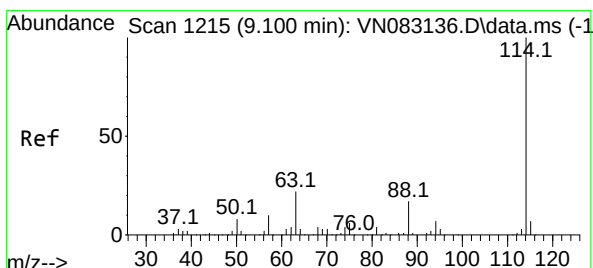
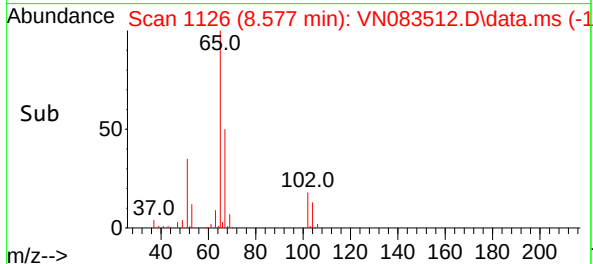
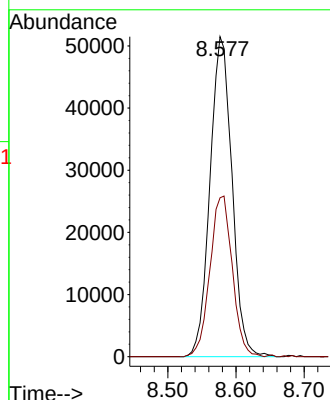
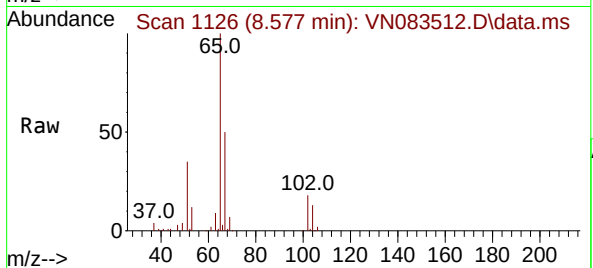
ClientSampleId :

Tgt Ion: 65 Resp: 115569

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083512.D

Acq: 27 Aug 2024 16:18

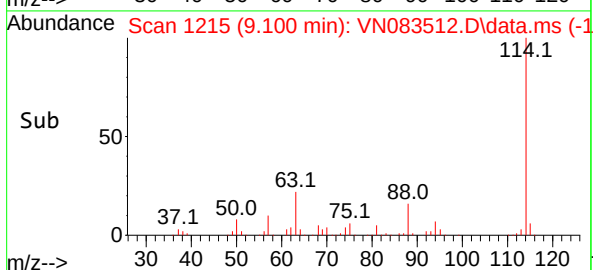
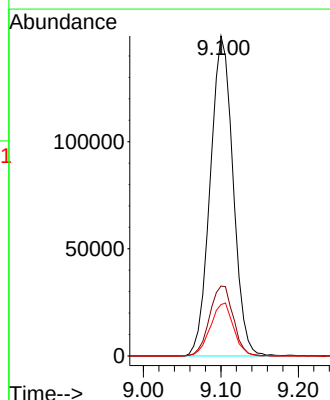
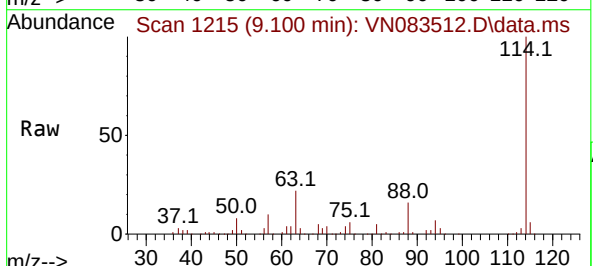
Tgt Ion: 114 Resp: 305569

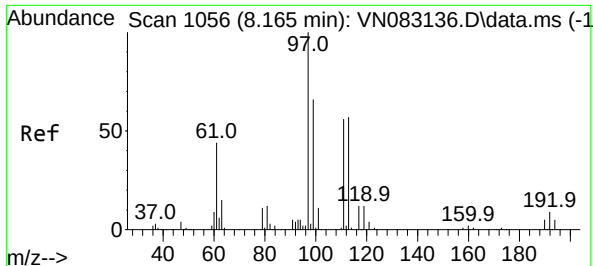
Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.6

88 16.1 0.0 31.4

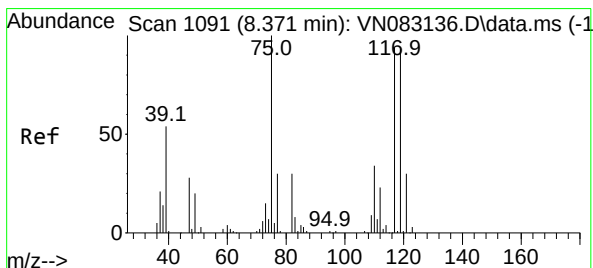
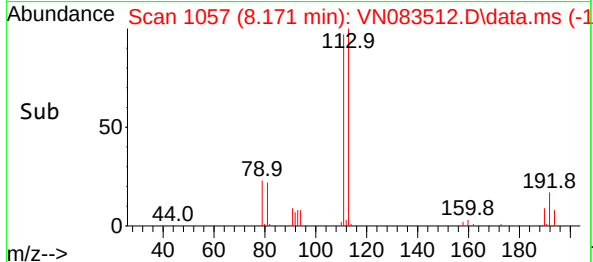
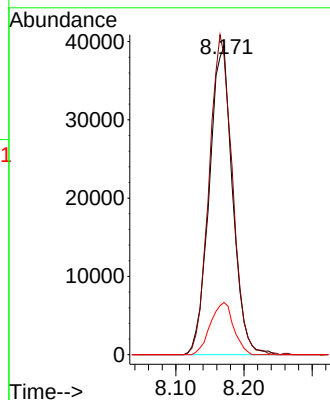
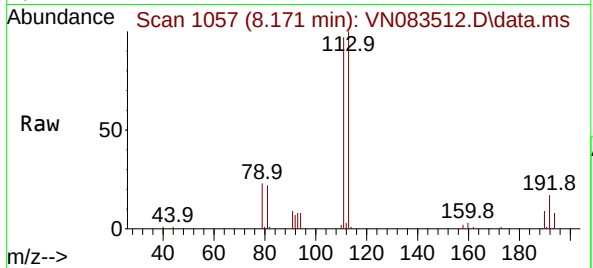




#35
Dibromofluoromethane
Concen: 49.139 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

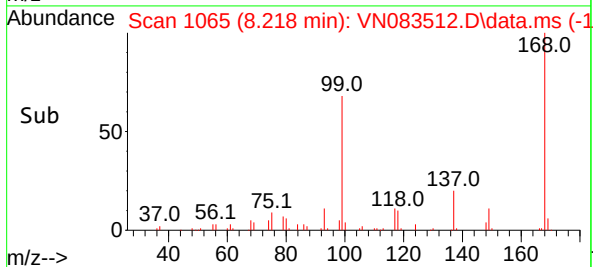
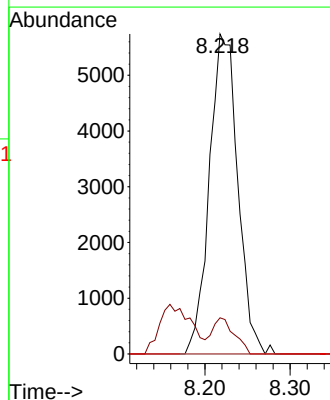
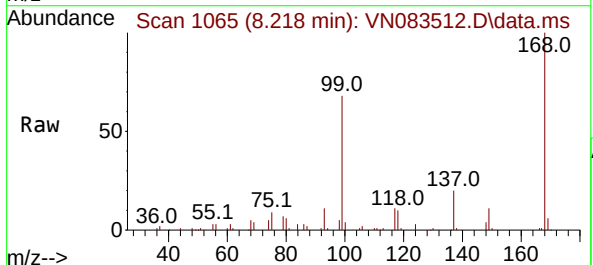
Instrument :
MSVOA_N
ClientSampleId :

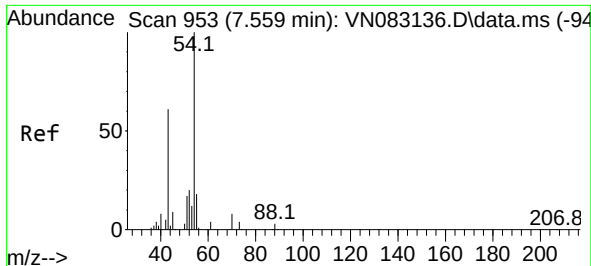
Tgt Ion:113 Resp: 93722
Ion Ratio Lower Upper
113 100
111 103.5 82.4 123.6
192 16.8 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.603 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

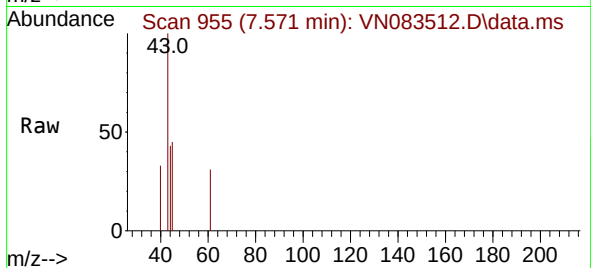
Tgt Ion: 75 Resp: 13282
Ion Ratio Lower Upper
75 100
110 8.8 16.3 48.9#
77 0.0 24.6 37.0#



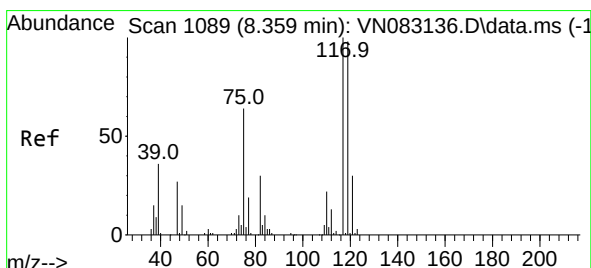
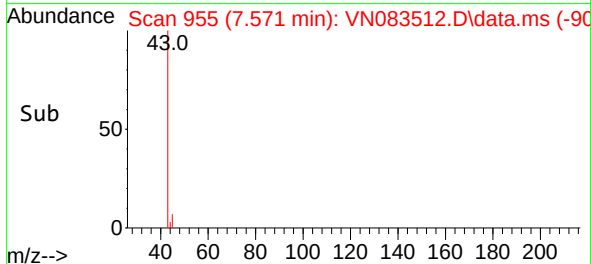
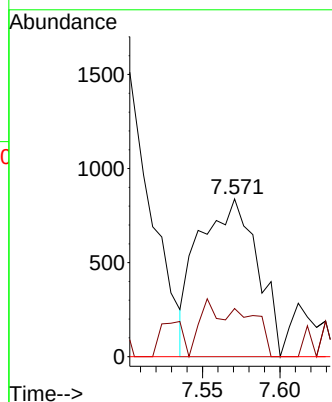


#37
Ethyl Acetate
Concen: 0.678 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

Instrument :
MSVOA_N
ClientSampleId :

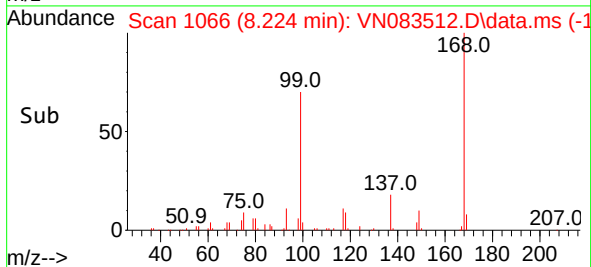
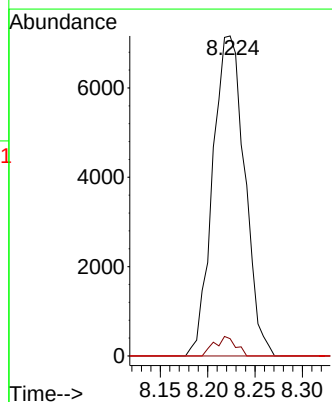
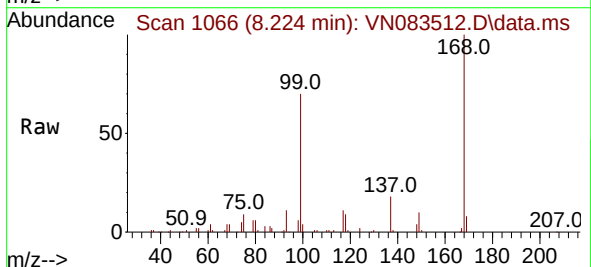


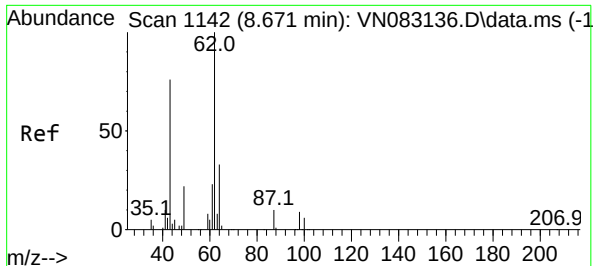
Tgt Ion: 43 Resp: 2190
Ion Ratio Lower Upper
43 100
61 14.2 9.3 13.9#
70 0.0 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 5.170 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

Tgt Ion: 117 Resp: 16801
Ion Ratio Lower Upper
117 100
119 5.4 74.9 112.3#
121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.233 ug/l

RT: 8.677 min Scan# 1142

Delta R.T. 0.006 min

Lab File: VN083512.D

Acq: 27 Aug 2024 16:18

Instrument :

MSVOA_N

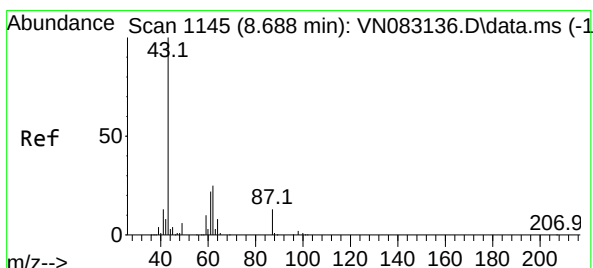
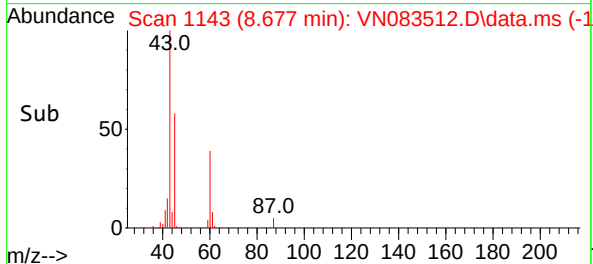
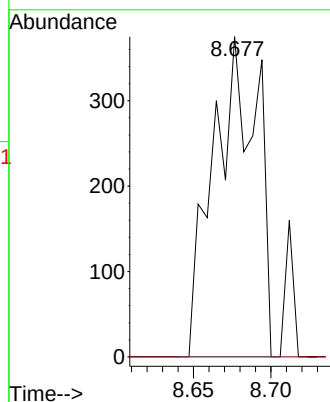
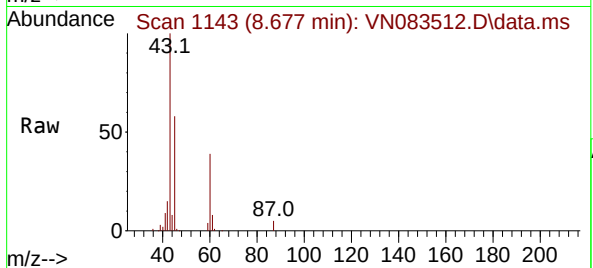
ClientSampleId :

Tgt Ion: 62 Resp: 731

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 28.433 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083512.D

Acq: 27 Aug 2024 16:18

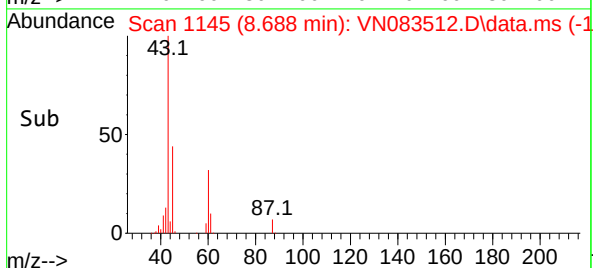
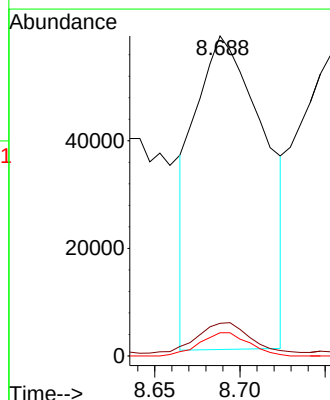
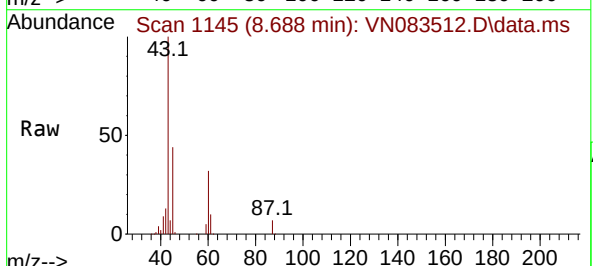
Tgt Ion: 43 Resp: 165599

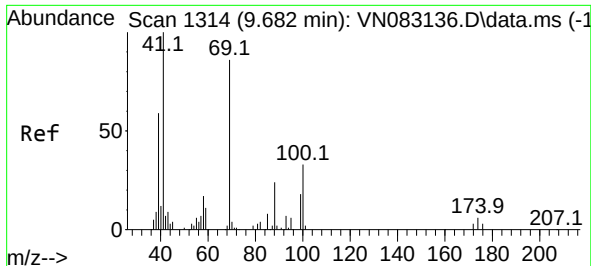
Ion Ratio Lower Upper

43 100

61 8.9 17.8 26.6#

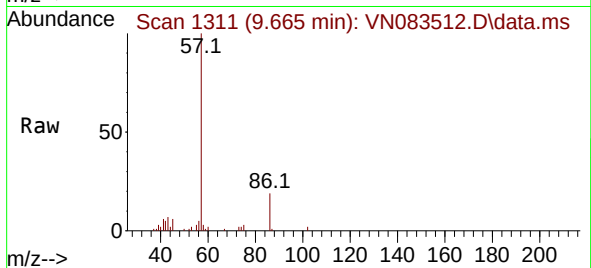
87 5.3 8.2 12.2#



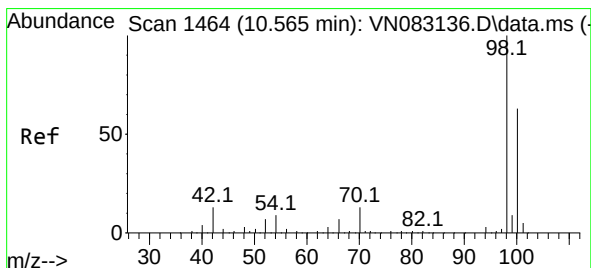
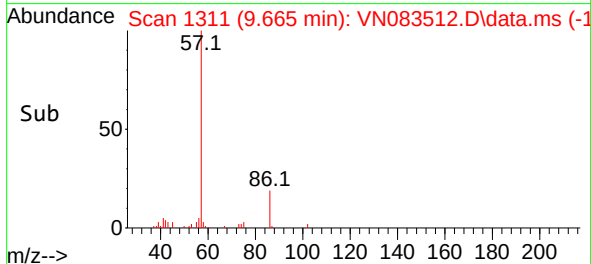
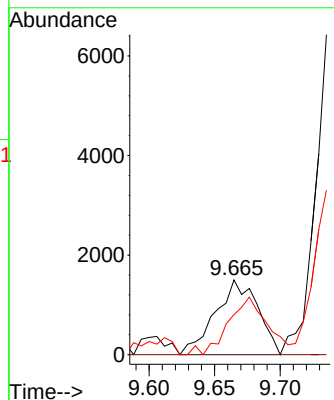


#48
Methyl methacrylate
Concen: 1.265 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

Instrument :
MSVOA_N
ClientSampleId :

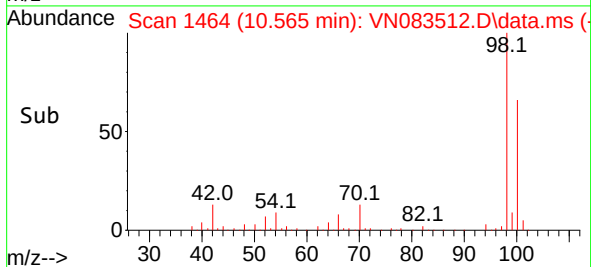
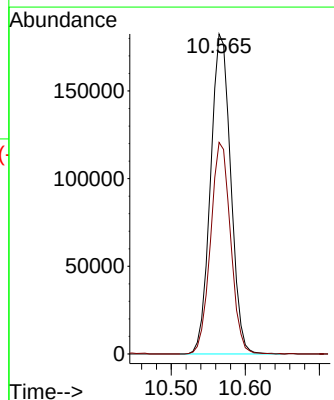
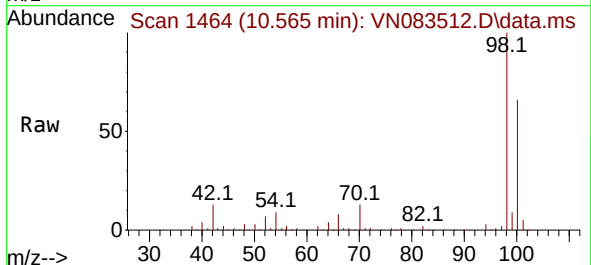


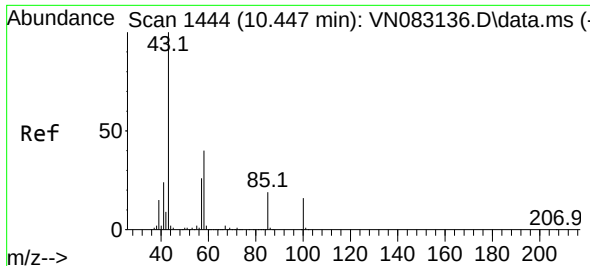
Tgt Ion: 41 Resp: 3378
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 70.5 50.3 75.5



#50
Toluene-d8
Concen: 48.451 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

Tgt Ion: 98 Resp: 344713
Ion Ratio Lower Upper
98 100
100 65.6 51.5 77.3

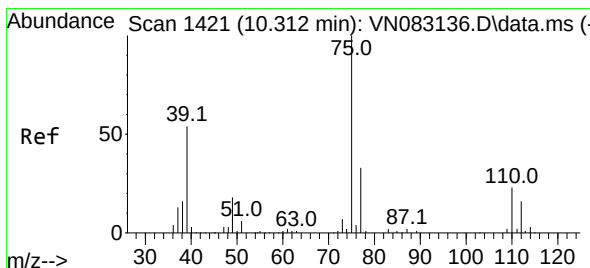
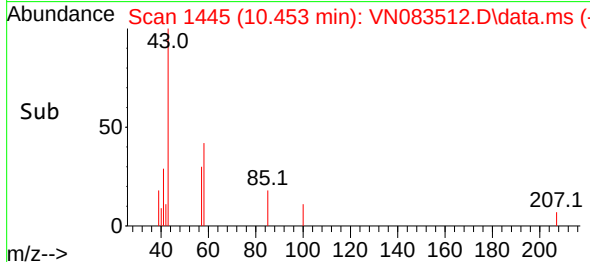
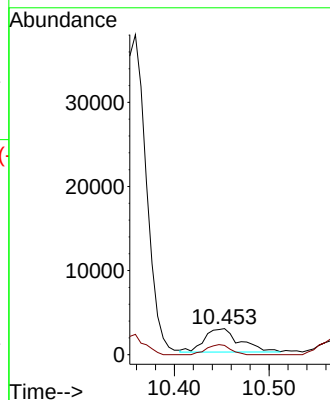
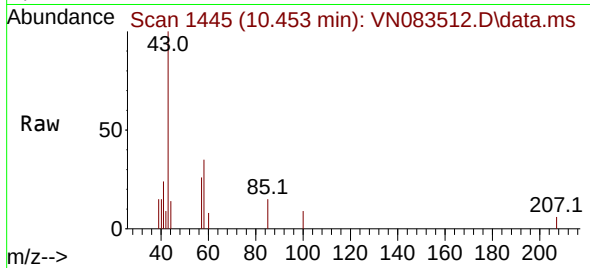




#51
4-Methyl-2-Pentanone
Concen: 2.365 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

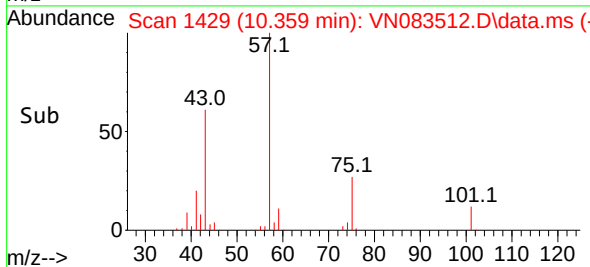
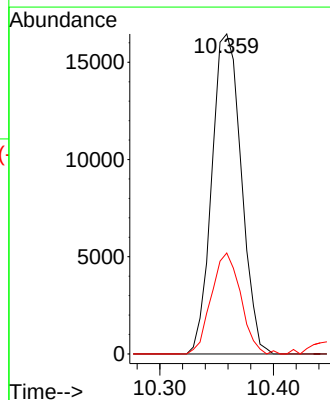
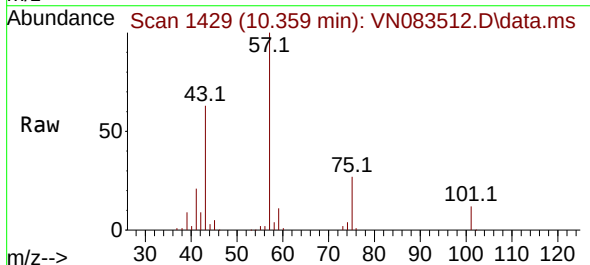
Instrument :
MSVOA_N
ClientSampleId :

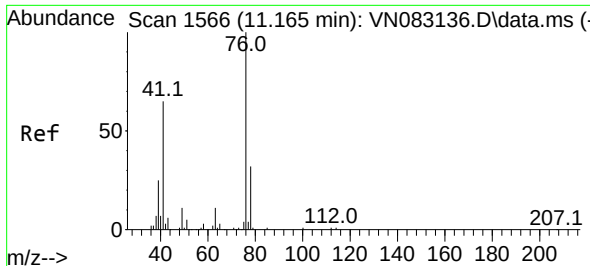
Tgt Ion: 43 Resp: 7225
Ion Ratio Lower Upper
43 100
58 28.9 28.2 42.4



#54
cis-1,3-Dichloropropene
Concen: 8.271 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

Tgt Ion: 75 Resp: 29631
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 31.6 50.5 75.7#





#57

1,3-Dichloropropane

Concen: 0.342 ug/l

RT: 11.200 min Scan# 1187

Delta R.T. 0.035 min

Lab File: VN083512.D

Acq: 27 Aug 2024 16:18

Instrument :

MSVOA_N

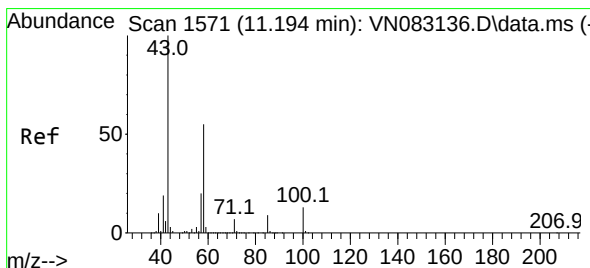
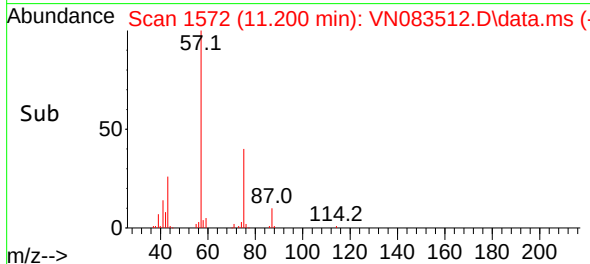
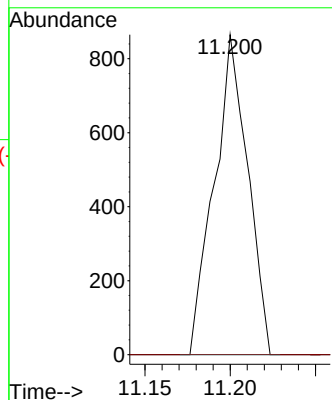
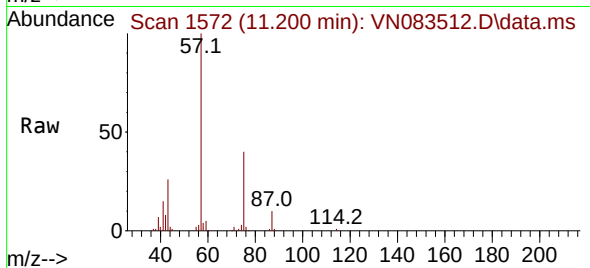
ClientSampleId :

Tgt Ion: 76 Resp: 1187

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 43.760 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN083512.D

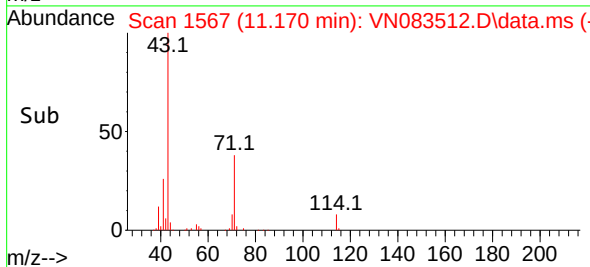
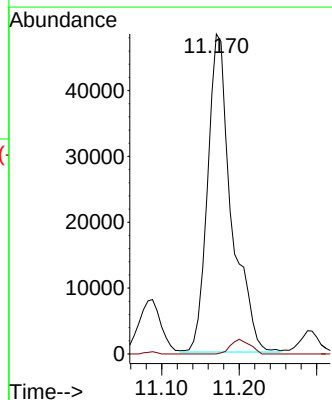
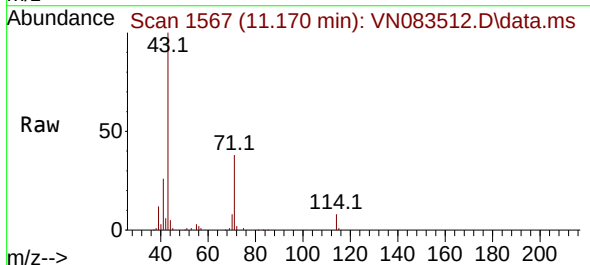
Acq: 27 Aug 2024 16:18

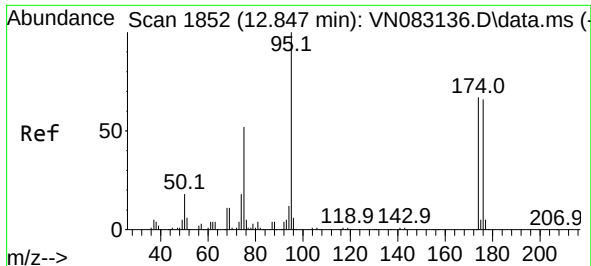
Tgt Ion: 43 Resp: 103420

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#

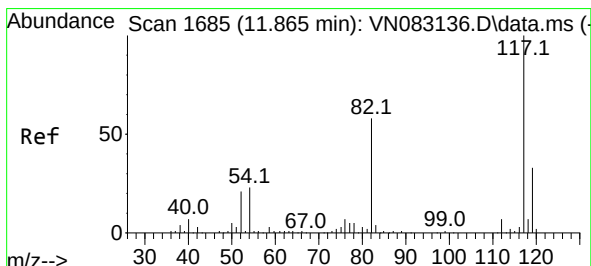
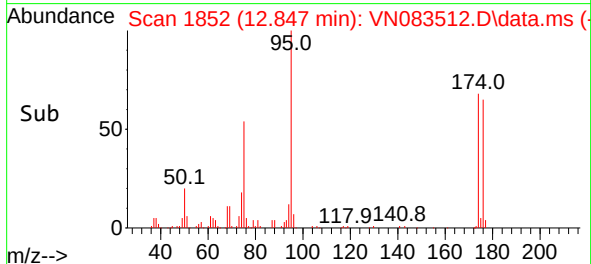
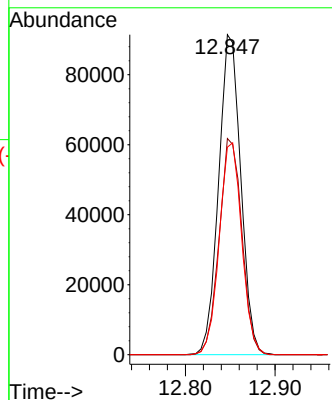
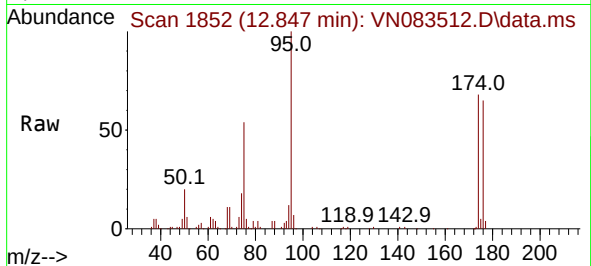




#62
4-Bromofluorobenzene
Concen: 56.512 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

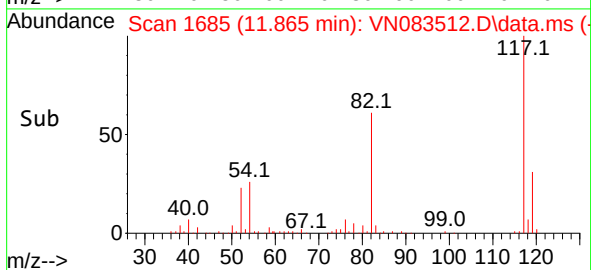
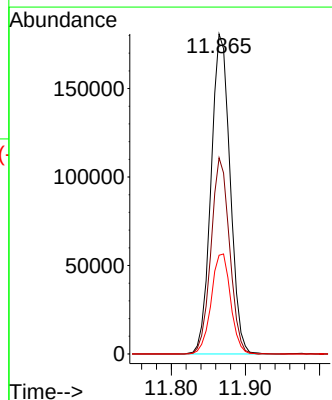
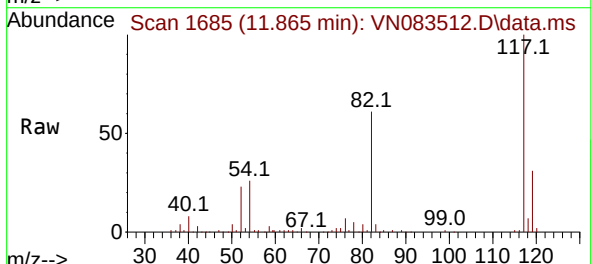
Instrument :
MSVOA_N
ClientSampleId :

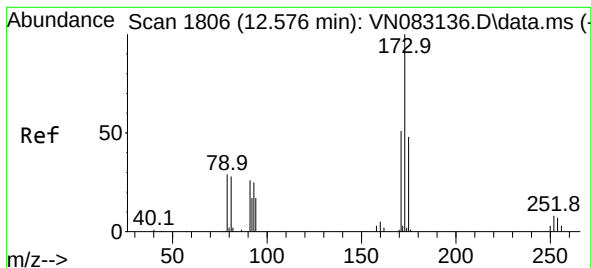
Tgt Ion: 95 Resp: 156747
Ion Ratio Lower Upper
95 100
174 69.1 0.0 159.2
176 67.1 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

Tgt Ion: 117 Resp: 321955
Ion Ratio Lower Upper
117 100
82 61.3 47.5 71.3
119 30.8 25.6 38.4





#71

Bromoform

Concen: 0.484 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.270 min

Lab File: VN083512.D

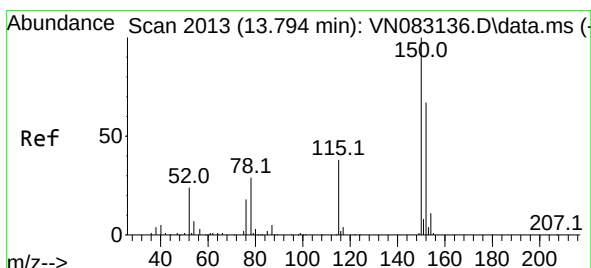
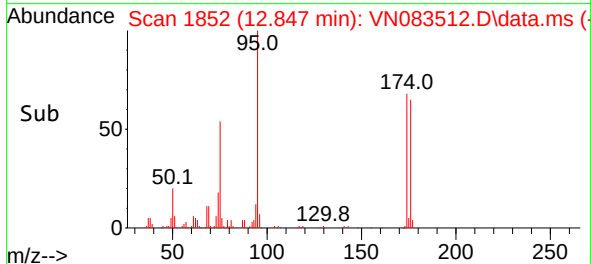
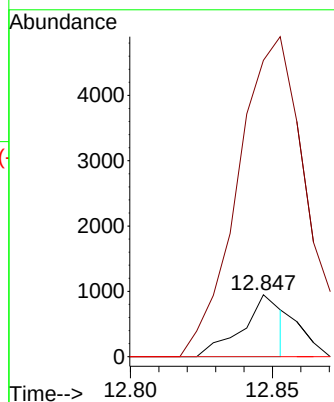
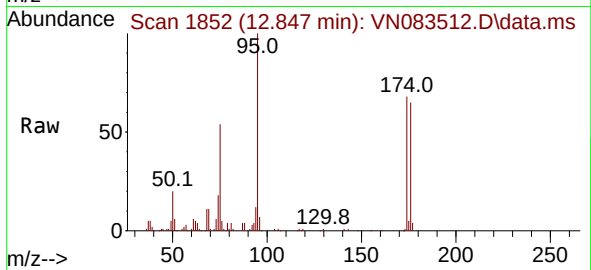
Acq: 27 Aug 2024 16:18

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 920
 Ion Ratio Lower Upper
 173 100
 175 0.0 24.0 72.0#
 254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

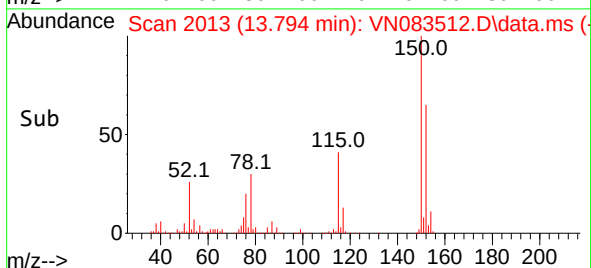
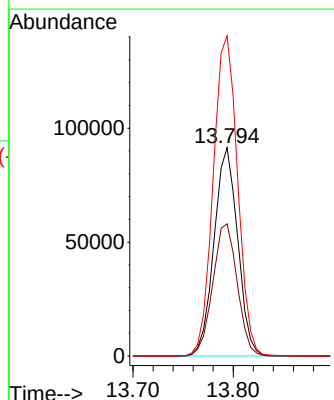
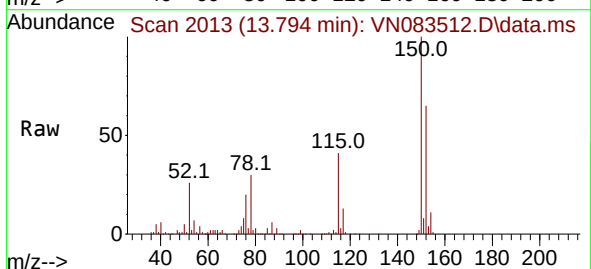
RT: 13.794 min Scan# 2013

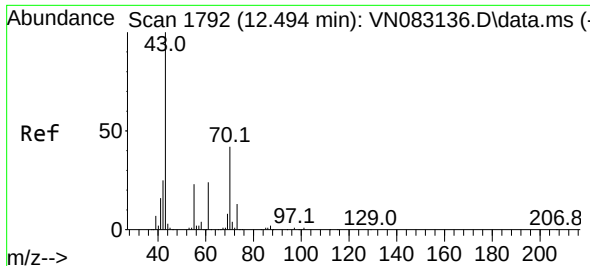
Delta R.T. -0.000 min

Lab File: VN083512.D

Acq: 27 Aug 2024 16:18

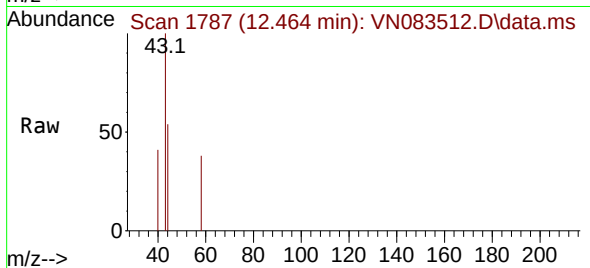
Tgt Ion:152 Resp: 150010
 Ion Ratio Lower Upper
 152 100
 115 65.5 30.6 91.6
 150 158.3 0.0 348.6



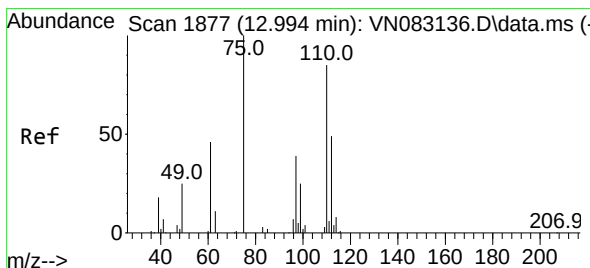
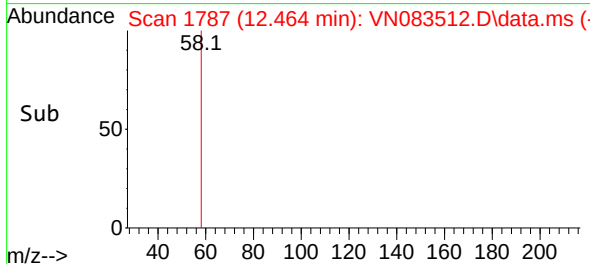
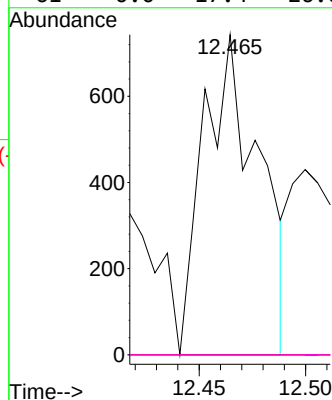


#74
N-amy1 acetate
Concen: 0.219 ug/l
RT: 12.464 min Scan# 1
Delta R.T. -0.030 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

Instrument :
MSVOA_N
ClientSampleId :

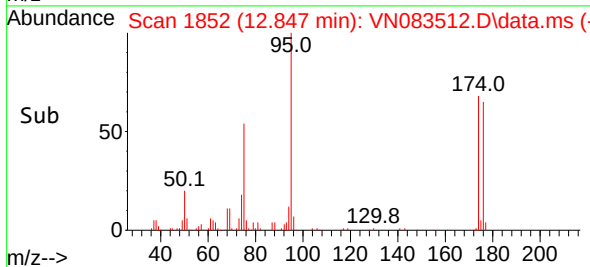
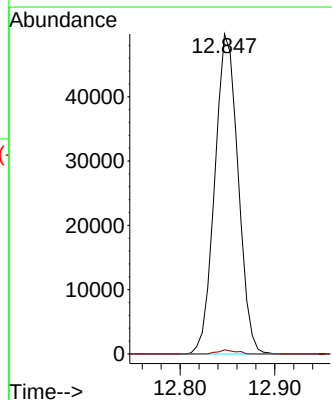
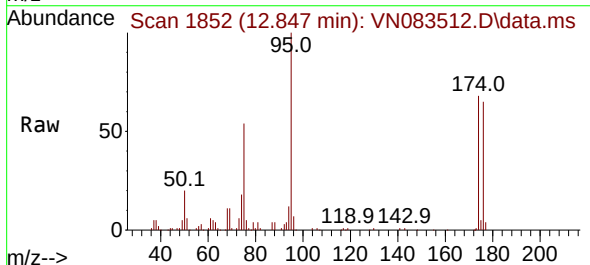


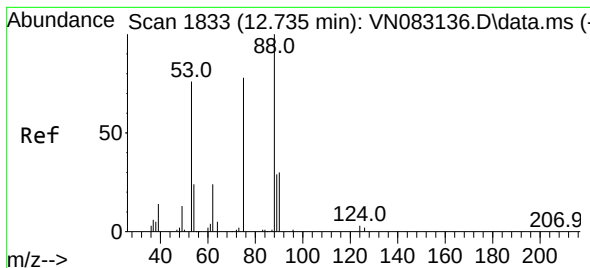
Tgt Ion: 43	Resp: 1346
Ion Ratio	Lower Upper
43	100
70	0.0 29.8 44.6#
55	0.0 18.7 28.1#
61	0.0 17.4 26.0#



#76
1,2,3-Trichloropropane
Concen: 25.858 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

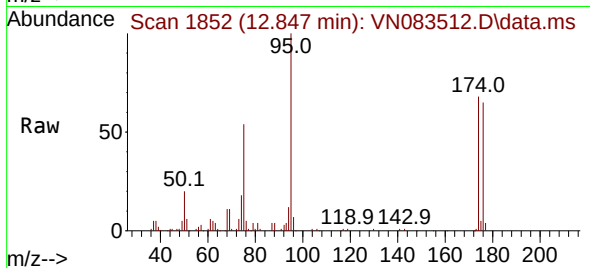
Tgt Ion: 75	Resp: 85132
Ion Ratio	Lower Upper
75	100
77	1.0 110.9 332.6#



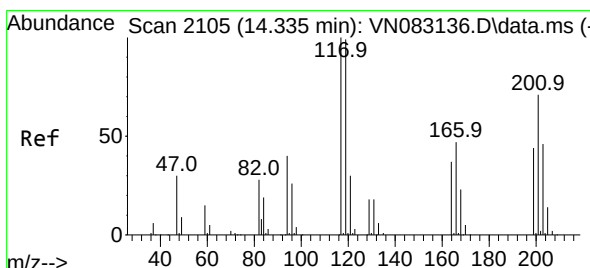
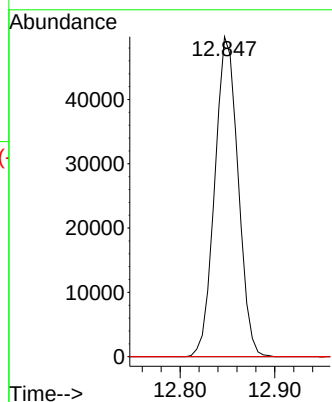
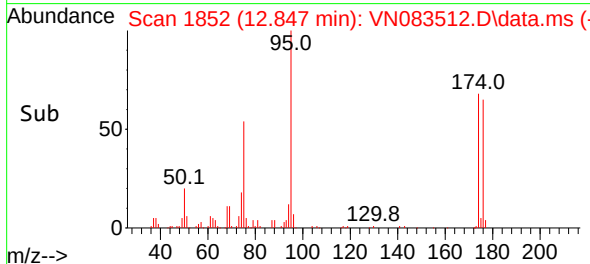


#81
trans-1,4-Dichloro-2-butene
Concen: 56.246 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 85132
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#



#90
Hexachloroethane
Concen: 0.790 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN083512.D
Acq: 27 Aug 2024 16:18

Tgt Ion: 117 Resp: 1600
Ion Ratio Lower Upper
117 100
201 0.0 35.8 107.3#

