

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081324\
 Data File : VN083265.D
 Acq On : 13 Aug 2024 18:08
 Operator : JC\MD
 Sample : P3548-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 01:47:18 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)

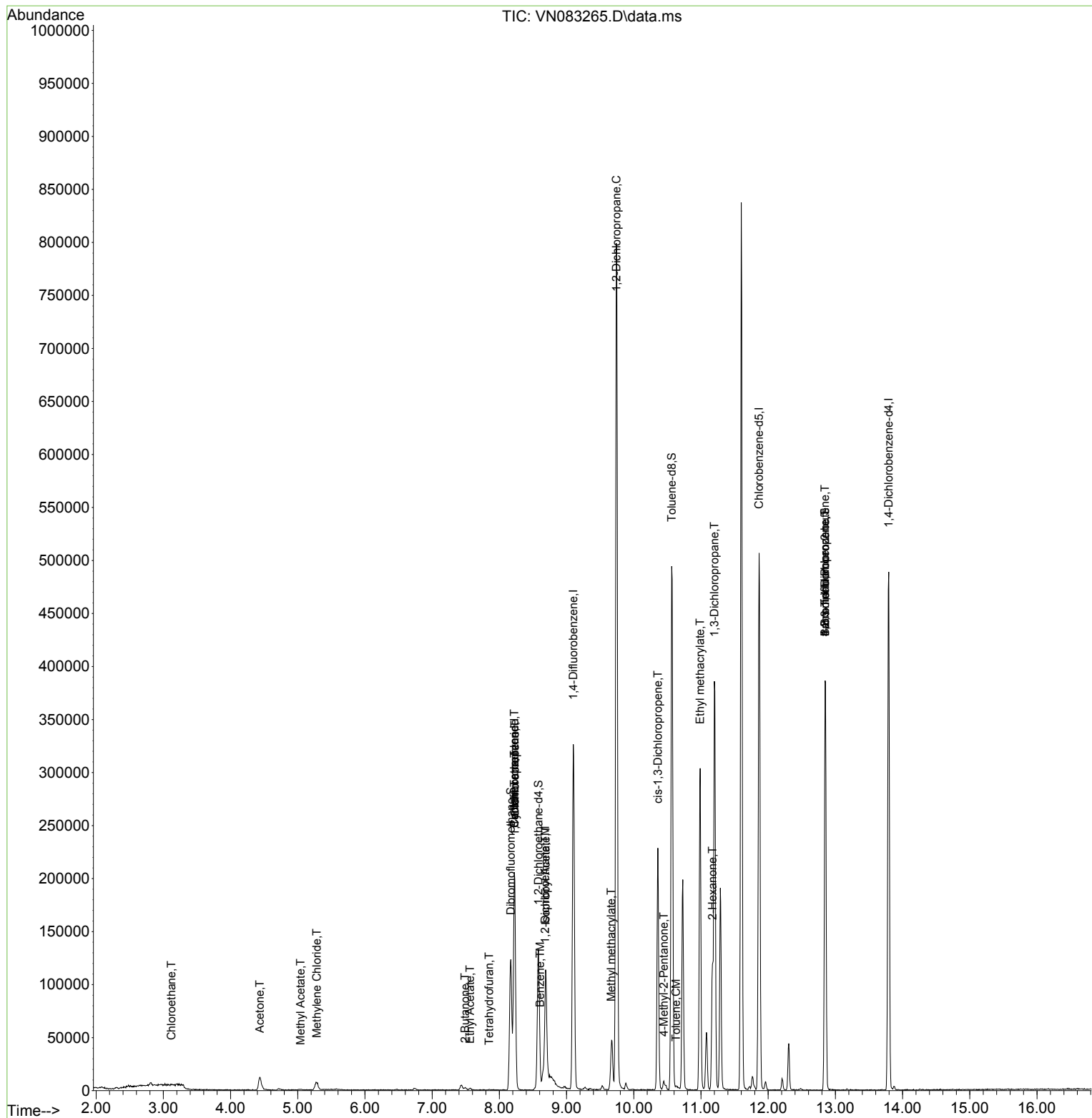
Internal Standards						
1) Pentafluorobenzene	8.224	168	141314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	272555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	284304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	128981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	113557	56.455	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.920%			
35) Dibromofluoromethane	8.171	113	88964	52.294	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.580%			
50) Toluene-d8	10.565	98	340415	53.642	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.280%			
62) 4-Bromofluorobenzene	12.847	95	143637	58.058	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 116.120%			
Target Compounds					Qvalue	
6) Chloroethane	3.118	64	540	0.516	ug/l #	41
16) Acetone	4.436	43	24064	30.574	ug/l	90
18) Methyl Acetate	5.042	43	1709	0.729	ug/l #	56
20) Methylene Chloride	5.283	84	5691	3.142	ug/l #	72
25) 2-Butanone	7.488	43	3607	2.985	ug/l #	90
29) Tetrahydrofuran	7.847	42	253	0.324	ug/l #	38
31) Cyclohexane	8.224	56	3276	1.099	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	12492	4.854	ug/l #	51
37) Ethyl Acetate	7.565	43	2907	1.009	ug/l #	79
38) Carbon Tetrachloride	8.224	117	15516	5.353	ug/l #	16
40) Benzene	8.606	78	4367	0.570	ug/l #	84
42) 1,2-Dichloroethane	8.683	62	845	0.303	ug/l #	78
43) Isopropyl Acetate	8.688	43	143902	27.643	ug/l #	89
45) 1,2-Dichloropropane	9.741	63	903	0.496	ug/l #	44
48) Methyl methacrylate	9.665	41	3294	1.383	ug/l #	52
51) 4-Methyl-2-Pentanone	10.447	43	9841	3.612	ug/l #	69
52) Toluene	10.629	92	1308	0.270	ug/l	92
54) cis-1,3-Dichloropropene	10.359	75	39591	12.390	ug/l #	53
56) Ethyl methacrylate	10.988	69	802	0.245	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4594	1.485	ug/l #	43
59) 2-Hexanone	11.171	43	94585	44.869	ug/l #	28
71) Bromoform	12.847	173	809	0.482	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	77314	27.312	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77314	59.409	ug/l #	6

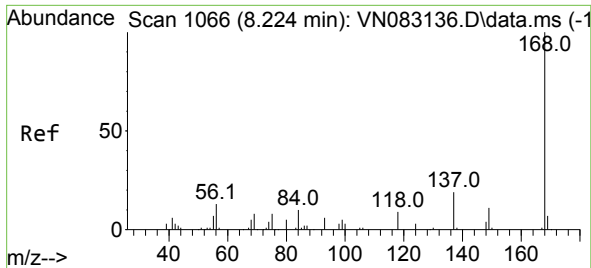
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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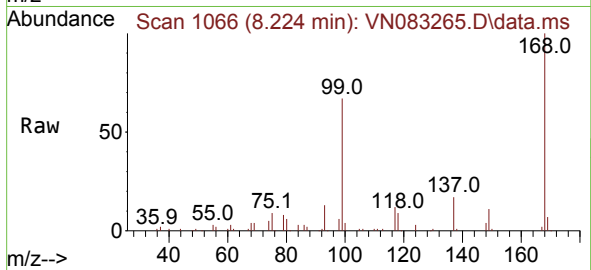
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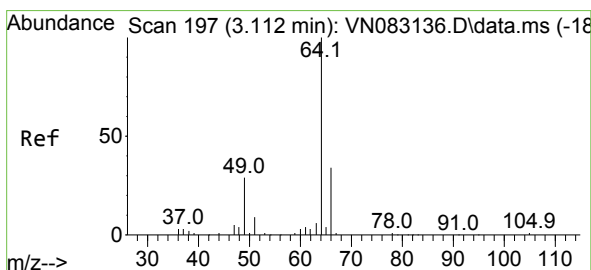
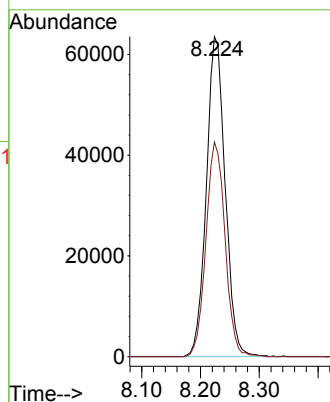
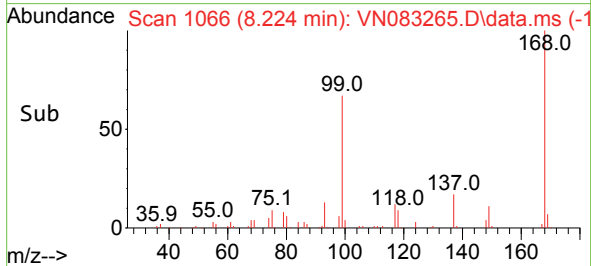


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083265.D
Acq: 13 Aug 2024 18:08

Instrument :
MSVOA_N
ClientSampleId :

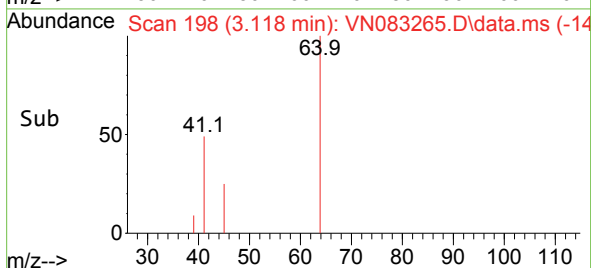
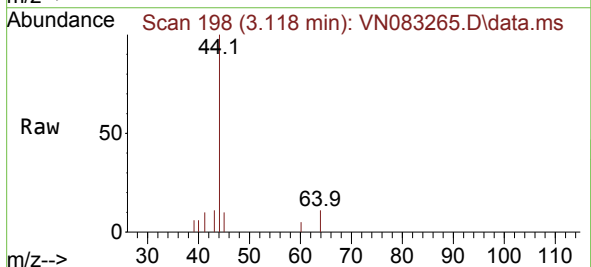


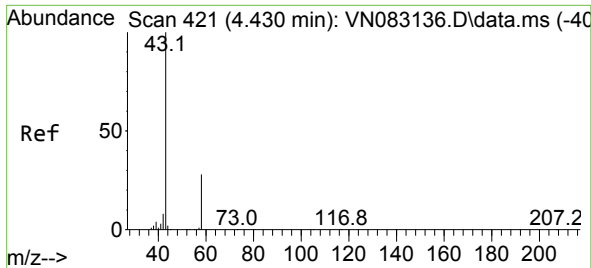
Tgt Ion:168 Resp: 141314
Ion Ratio Lower Upper
168 100
99 67.1 48.2 72.4



#6
Chloroethane
Concen: 0.516 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN083265.D
Acq: 13 Aug 2024 18:08

Tgt Ion: 64 Resp: 540
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#

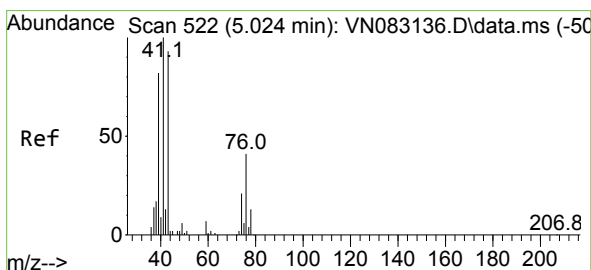
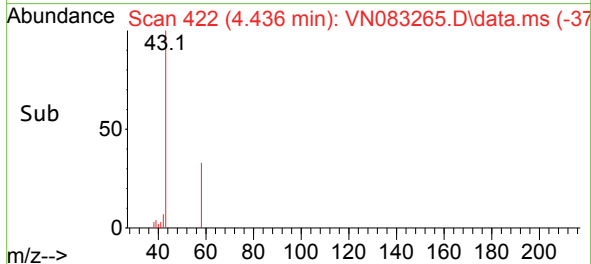
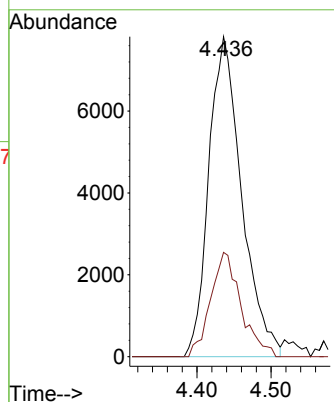
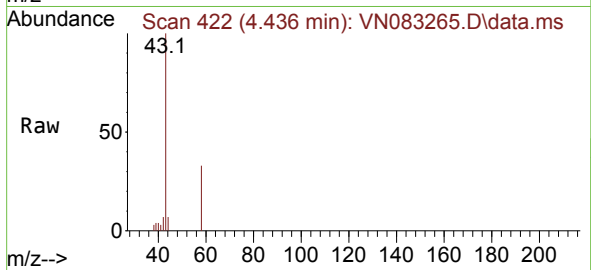




#16
Acetone
Concen: 30.574 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083265.D
Acq: 13 Aug 2024 18:08

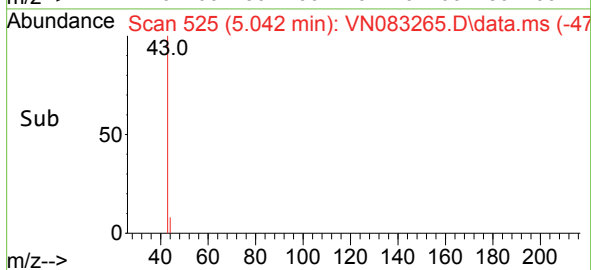
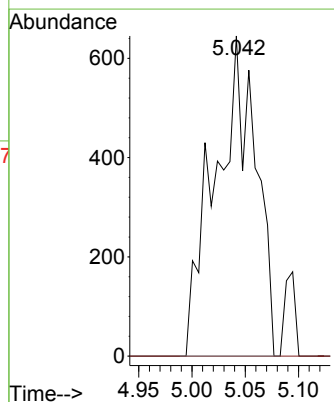
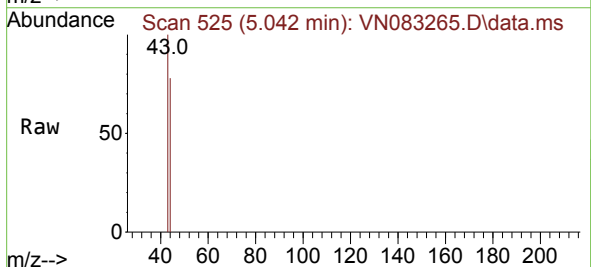
Instrument :
MSVOA_N
ClientSampleId :

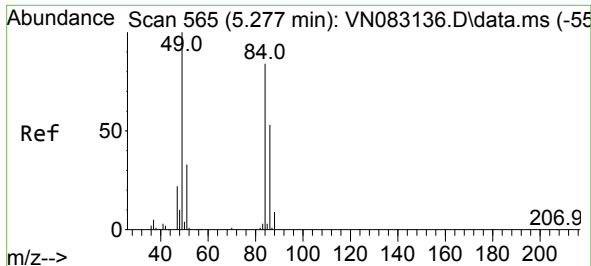
Tgt Ion: 43 Resp: 24064
Ion Ratio Lower Upper
43 100
58 32.6 21.8 32.6



#18
Methyl Acetate
Concen: 0.729 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.018 min
Lab File: VN083265.D
Acq: 13 Aug 2024 18:08

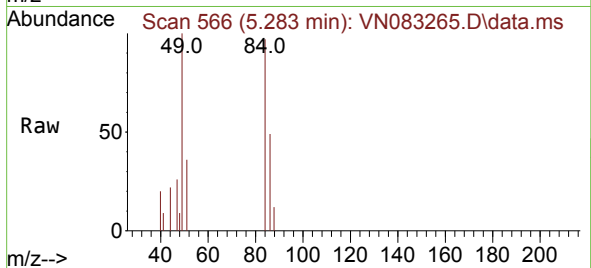
Tgt Ion: 43 Resp: 1709
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



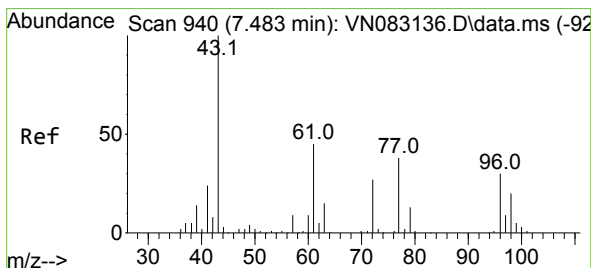
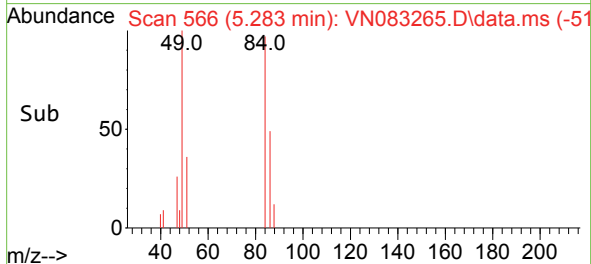
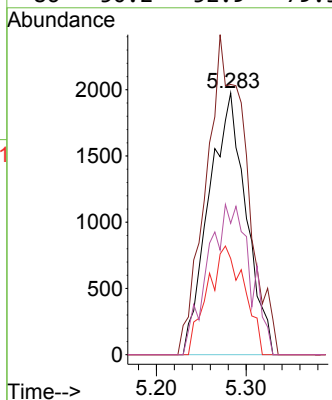


#20
Methylene Chloride
Concen: 3.142 ug/l
RT: 5.283 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN083265.D
Acq: 13 Aug 2024 18:08

Instrument :
MSVOA_N
ClientSampleId :

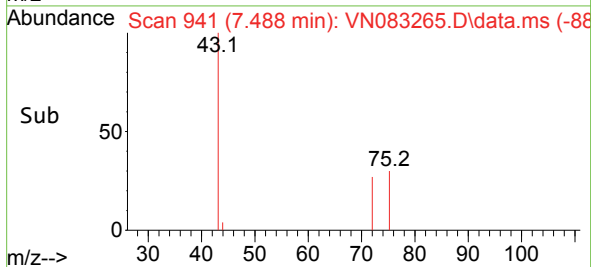
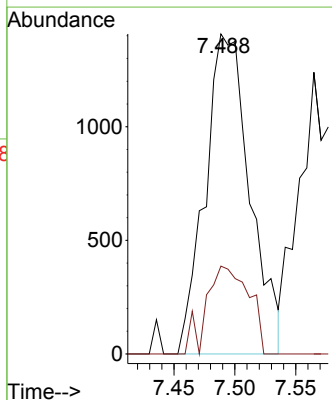
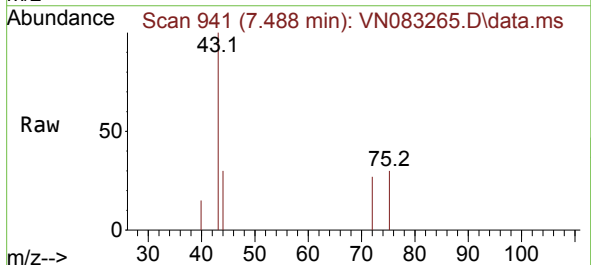


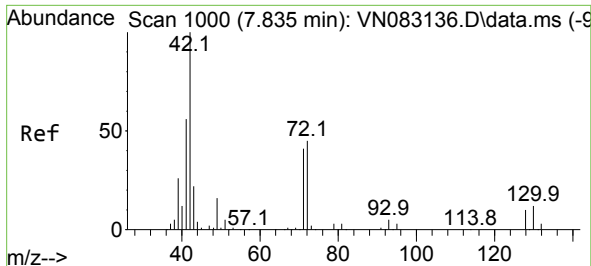
Tgt Ion: 84 Resp: 5691
Ion Ratio Lower Upper
84 100
49 103.2 119.6 179.4#
51 36.7 34.8 52.2
86 50.2 52.9 79.3#



#25
2-Butanone
Concen: 2.985 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083265.D
Acq: 13 Aug 2024 18:08

Tgt Ion: 43 Resp: 3607
Ion Ratio Lower Upper
43 100
72 27.5 18.2 27.2#





#29

Tetrahydrofuran

Concen: 0.324 ug/l

RT: 7.847 min Scan# 10

Delta R.T. 0.012 min

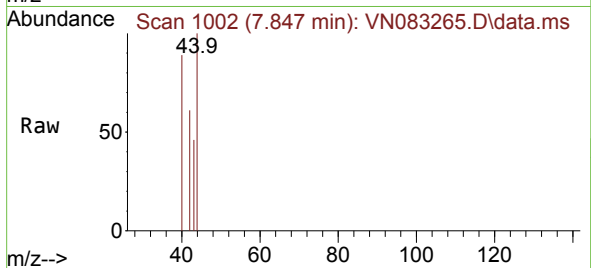
Lab File: VN083265.D

Acq: 13 Aug 2024 18:08

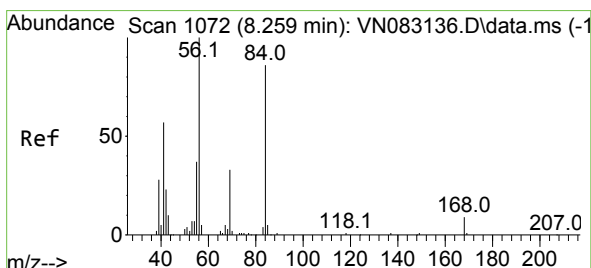
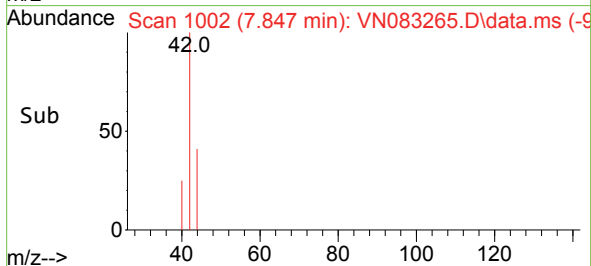
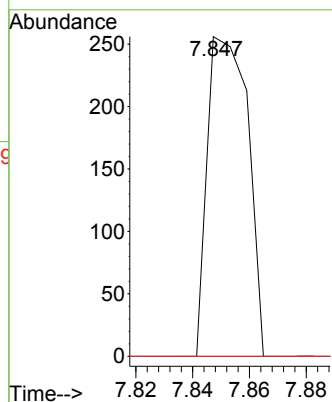
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	253
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.0	45.0#
71	0.0	28.3	42.5#



#31

Cyclohexane

Concen: 1.099 ug/l

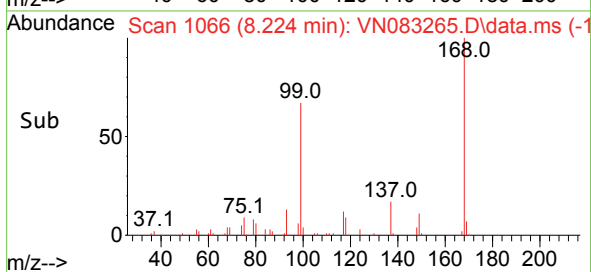
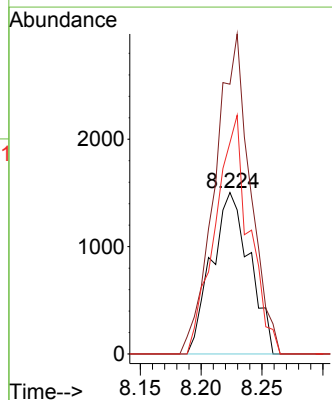
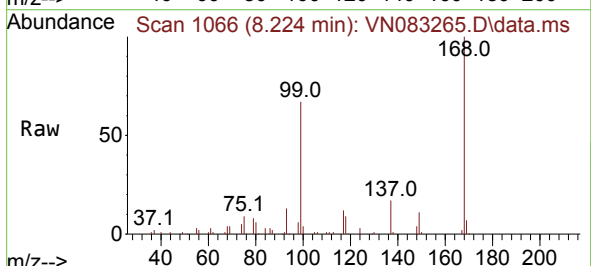
RT: 8.224 min Scan# 1066

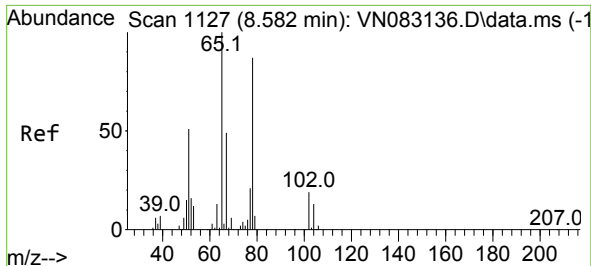
Delta R.T. -0.035 min

Lab File: VN083265.D

Acq: 13 Aug 2024 18:08

Tgt Ion:	56	Resp:	3276
Ion	Ratio	Lower	Upper
56	100		
69	167.1	24.5	36.7#
84	130.9	66.0	99.0#





#33

1,2-Dichloroethane-d4

Concen: 56.455 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

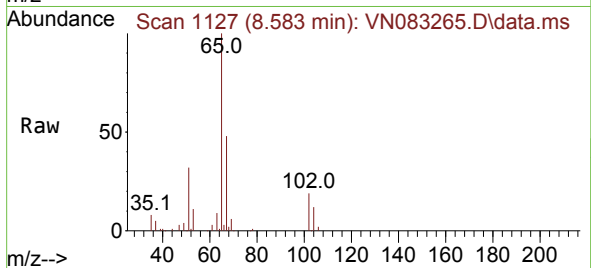
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Acq: 13 Aug 2024 18:08

Instrument :

MSVOA_N

ClientSampleId :

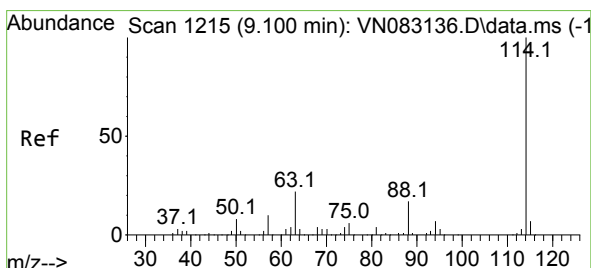
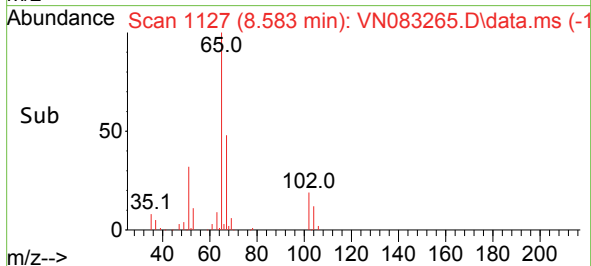
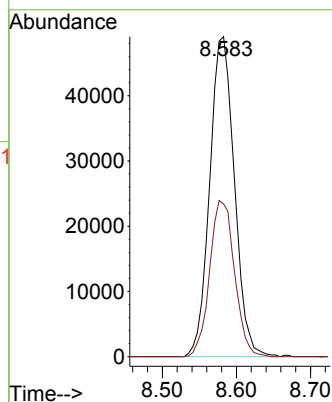


Tgt Ion: 65 Resp: 113557

Ion Ratio Lower Upper

65 100

67 49.1 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: VN083265.D

Acq: 13 Aug 2024 18:08

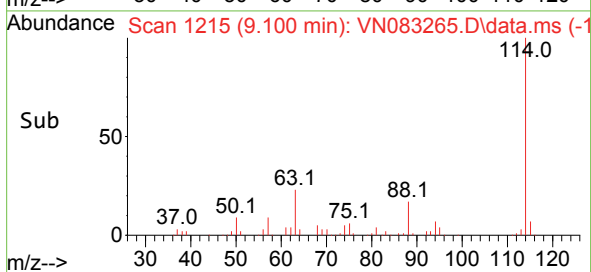
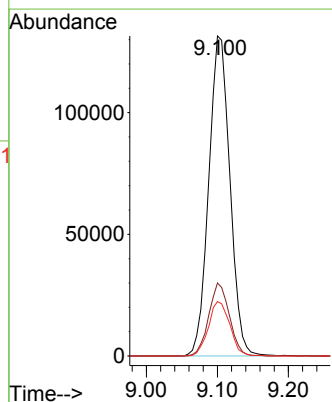
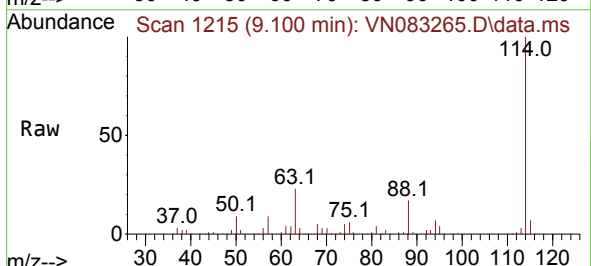
Tgt Ion: 114 Resp: 272555

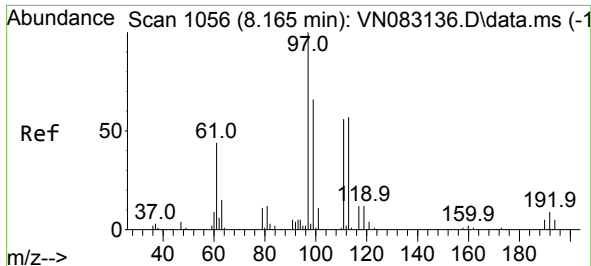
Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.6

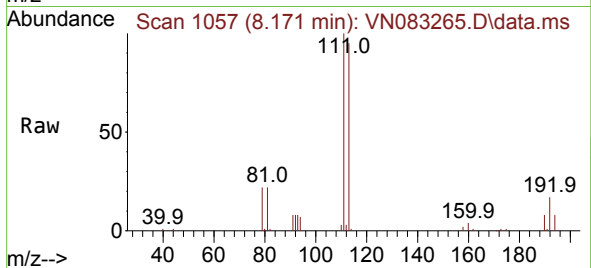
88 17.0 0.0 31.4



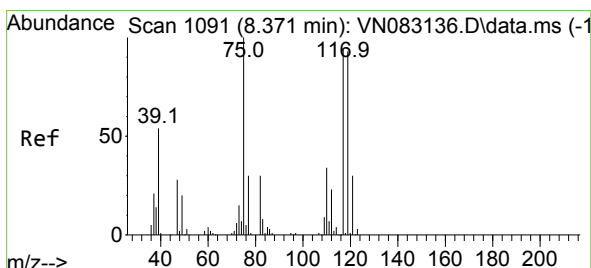
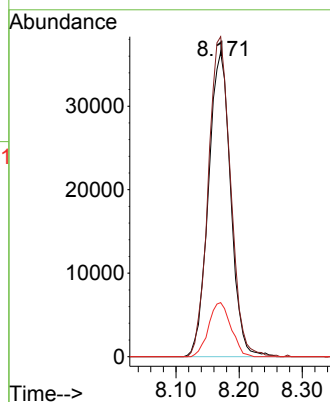
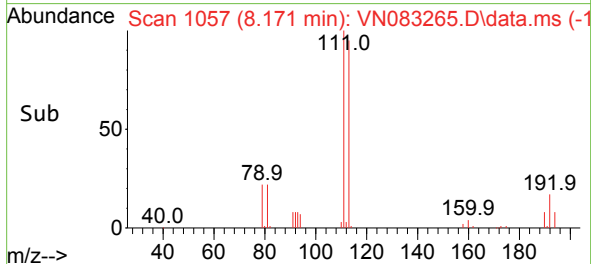


#35
Dibromofluoromethane
Concen: 52.294 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN083265.D
Acq: 13 Aug 2024 18:08

Instrument :
MSVOA_N
ClientSampleId :

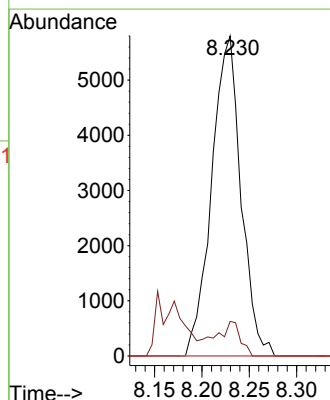
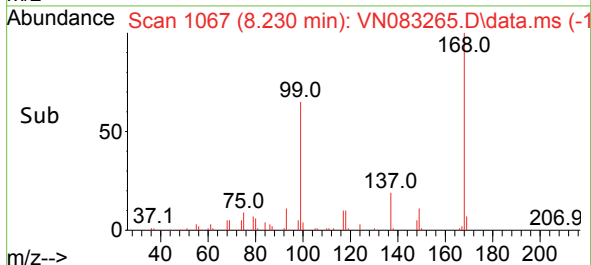
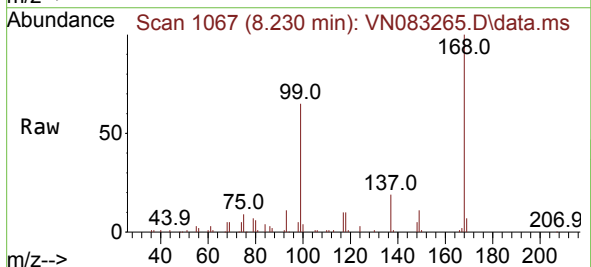


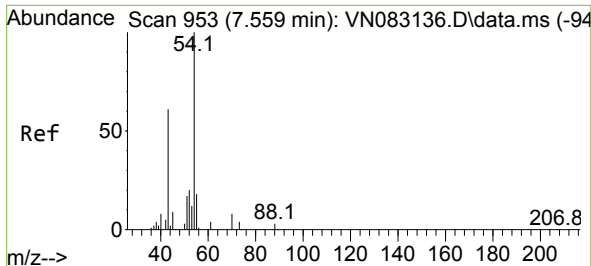
Tgt Ion:113 Resp: 88964
Ion Ratio Lower Upper
113 100
111 105.6 82.4 123.6
192 17.9 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.854 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN083265.D
Acq: 13 Aug 2024 18:08

Tgt Ion: 75 Resp: 12492
Ion Ratio Lower Upper
75 100
110 8.7 16.3 48.9#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.009 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

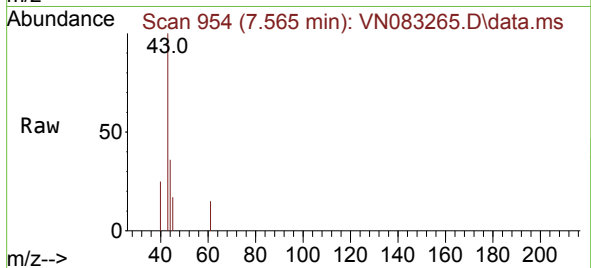
Lab File: VN083265.D

Acq: 13 Aug 2024 18:08

Instrument :

MSVOA_N

ClientSampleId :



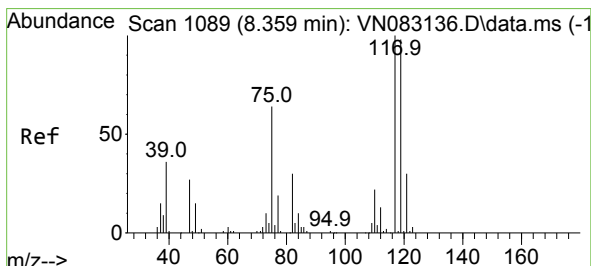
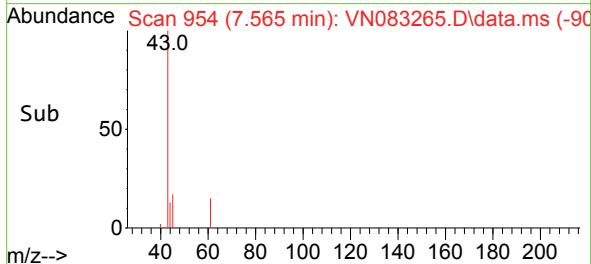
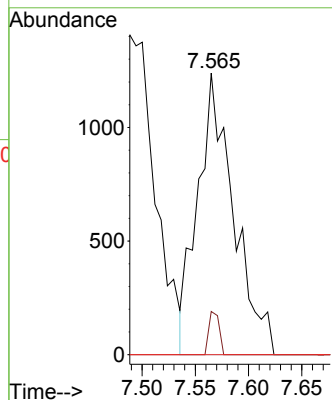
Tgt Ion: 43 Resp: 2907

Ion Ratio Lower Upper

43 100

61 4.4 9.3 13.9#

70 0.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 5.353 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN083265.D

Acq: 13 Aug 2024 18:08

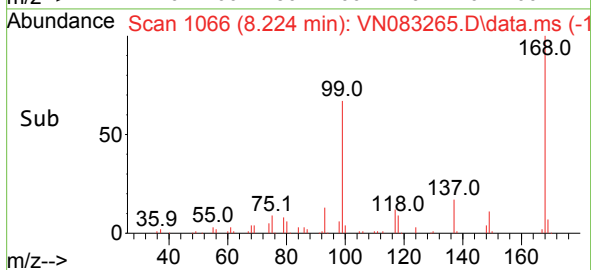
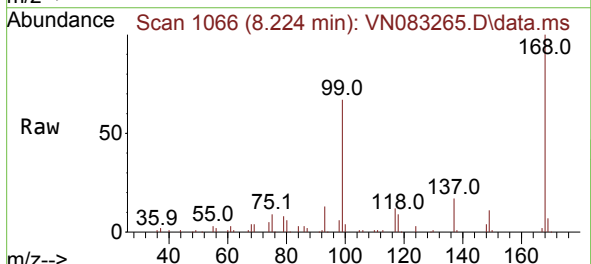
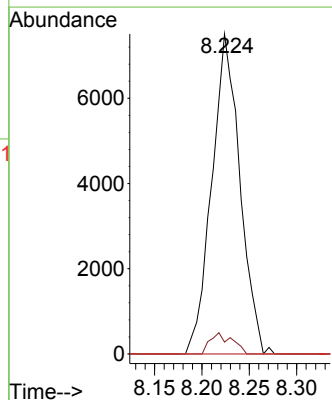
Tgt Ion: 117 Resp: 15516

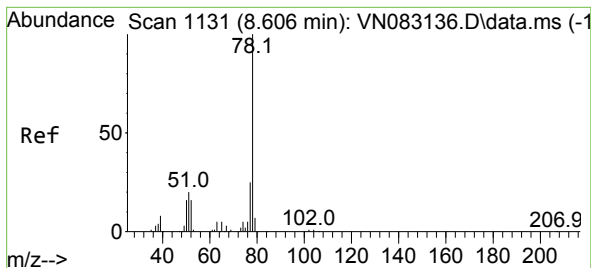
Ion Ratio Lower Upper

117 100

119 3.7 74.9 112.3#

121 0.0 24.3 36.5#





#40

Benzene

Concen: 0.570 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN083265.D

Acq: 13 Aug 2024 18:08

Instrument :

MSVOA_N

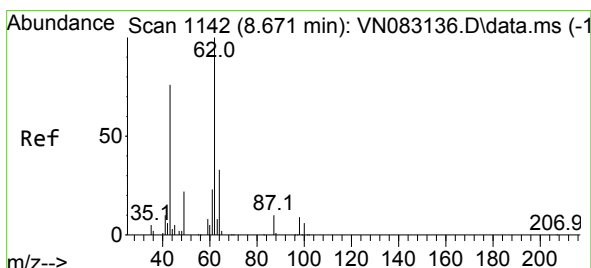
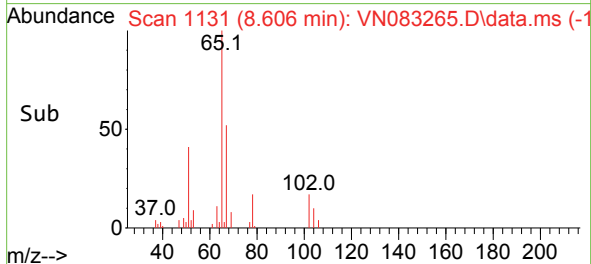
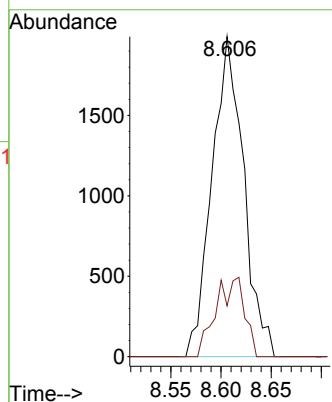
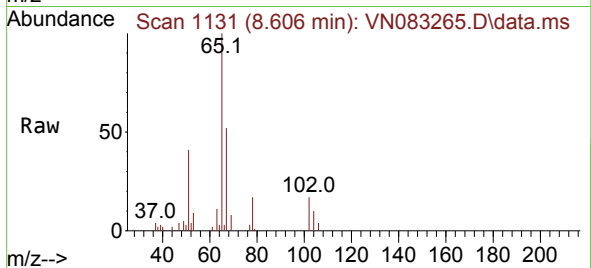
ClientSampleId :

Tgt Ion: 78 Resp: 4367

Ion Ratio Lower Upper

78 100

77 15.9 19.0 28.4#



#42

1,2-Dichloroethane

Concen: 0.303 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN083265.D

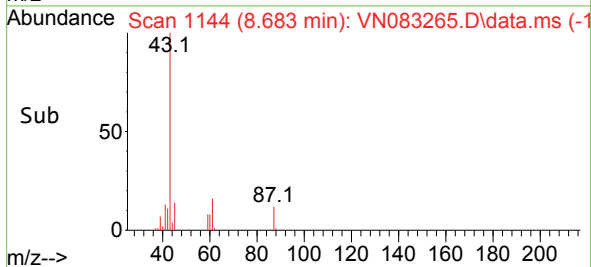
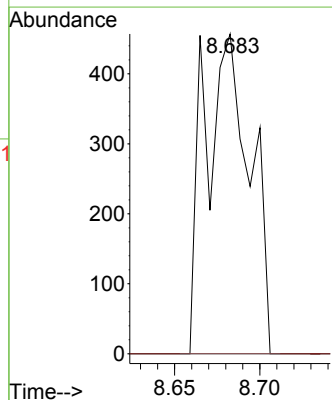
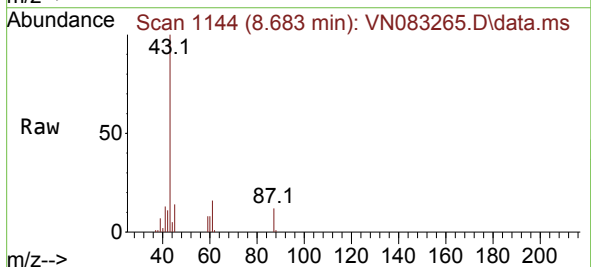
Acq: 13 Aug 2024 18:08

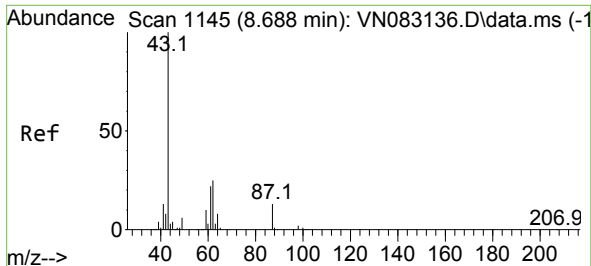
Tgt Ion: 62 Resp: 845

Ion Ratio Lower Upper

62 100

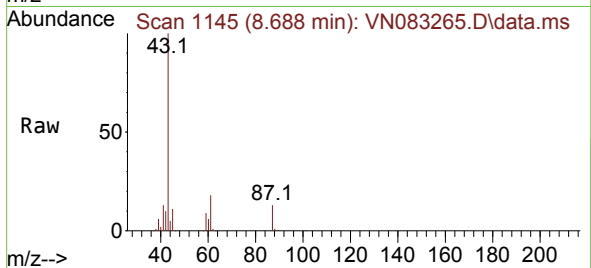
98 0.0 0.0 15.8



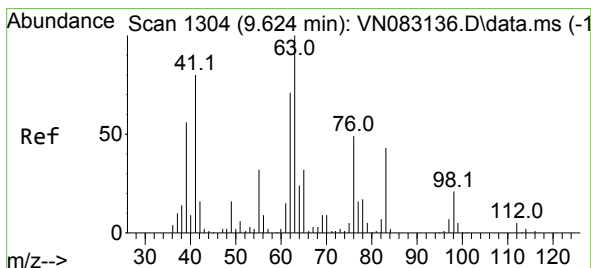
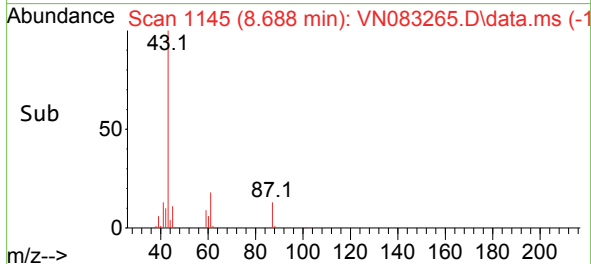
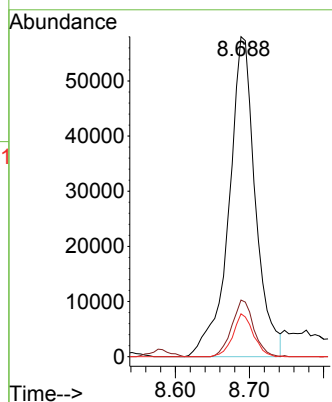


#43
Isopropyl Acetate
Concen: 27.643 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083265.D
Acq: 13 Aug 2024 18:08

Instrument :
MSVOA_N
ClientSampleId :

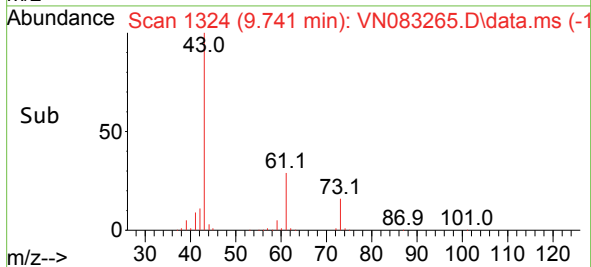
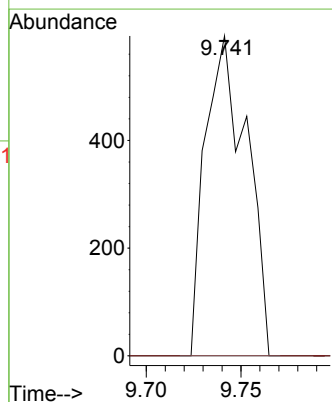
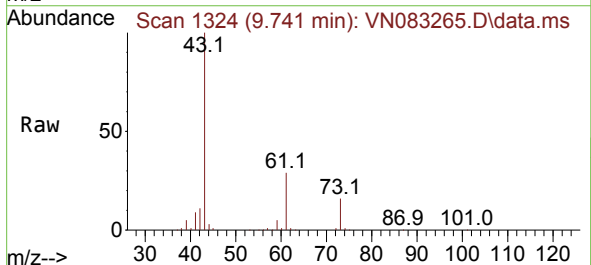


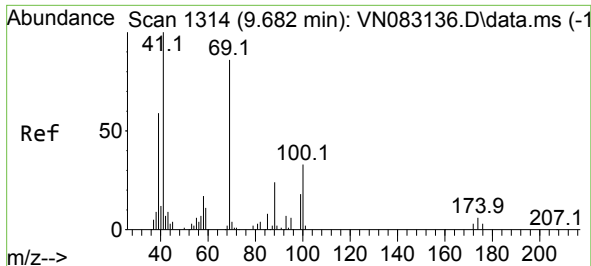
Tgt Ion: 43 Resp: 143902
Ion Ratio Lower Upper
43 100
61 14.6 17.8 26.6#
87 10.3 8.2 12.2



#45
1,2-Dichloropropane
Concen: 0.496 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN083265.D
Acq: 13 Aug 2024 18:08

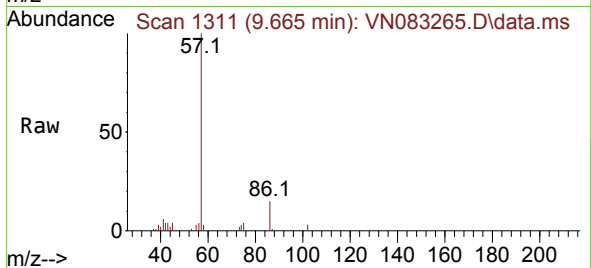
Tgt Ion: 63 Resp: 903
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



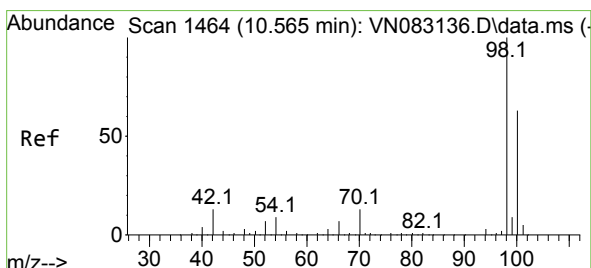
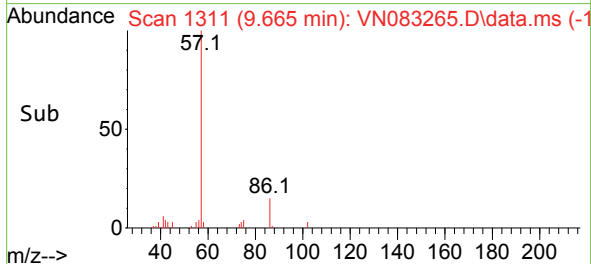
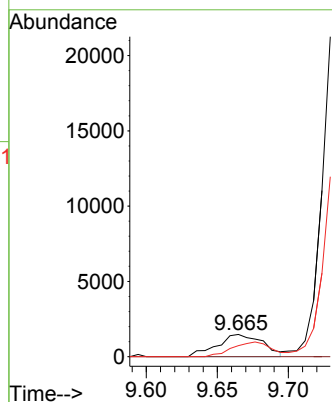


#48
Methyl methacrylate
Concen: 1.383 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN083265.D
Acq: 13 Aug 2024 18:08

Instrument :
MSVOA_N
ClientSampleId :

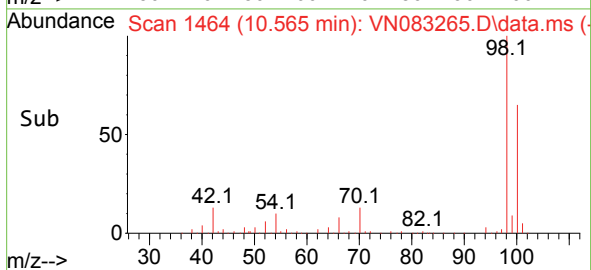
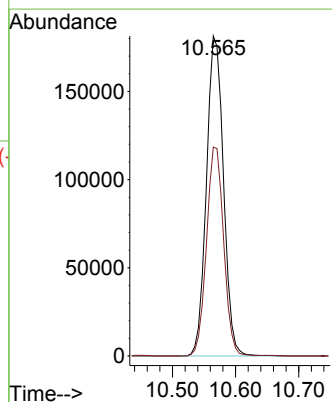
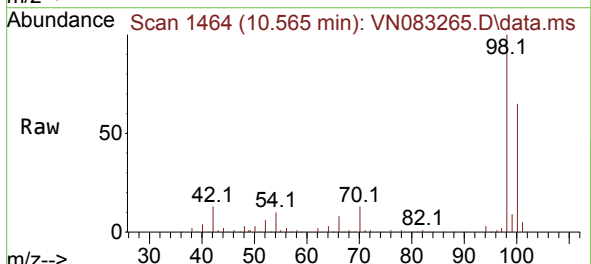


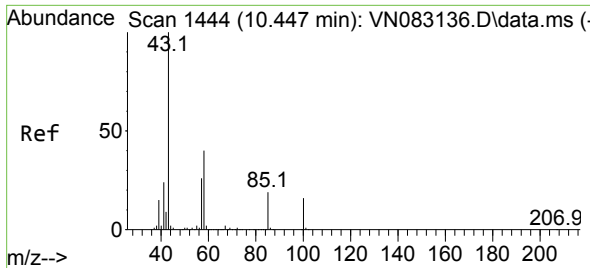
Tgt Ion: 41 Resp: 3294
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 58.3 50.3 75.5



#50
Toluene-d8
Concen: 53.642 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083265.D
Acq: 13 Aug 2024 18:08

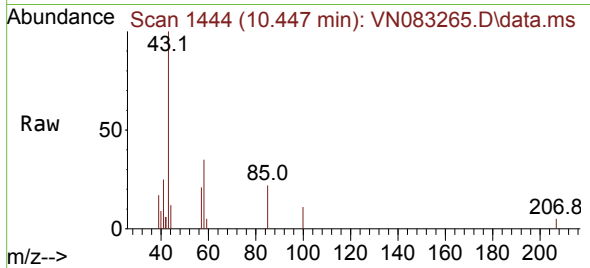
Tgt Ion: 98 Resp: 340415
Ion Ratio Lower Upper
98 100
100 65.7 51.5 77.3



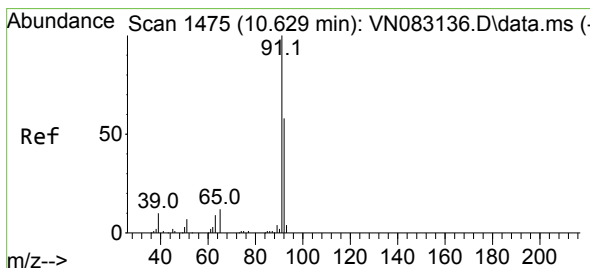
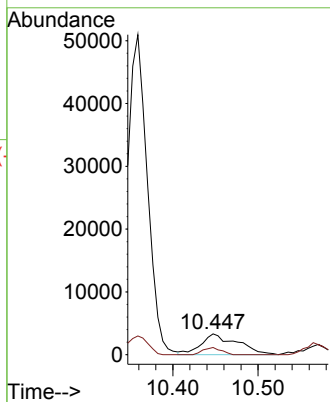
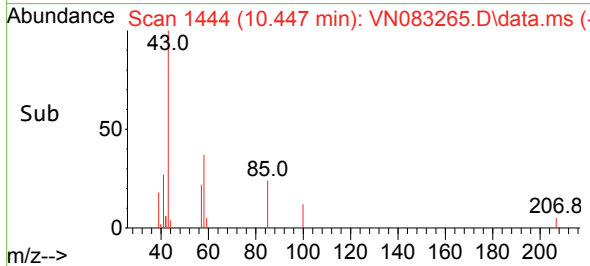


#51
4-Methyl-2-Pentanone
Concen: 3.612 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083265.D
Acq: 13 Aug 2024 18:08

Instrument :
MSVOA_N
ClientSampleId :

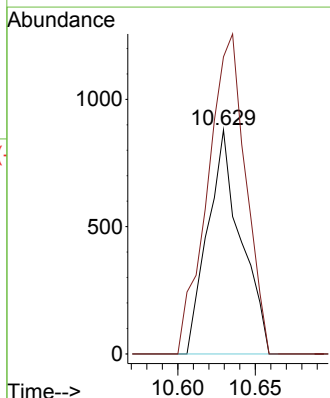
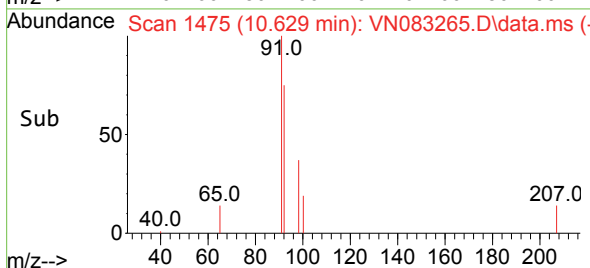
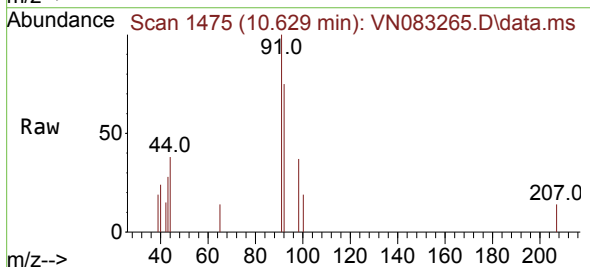


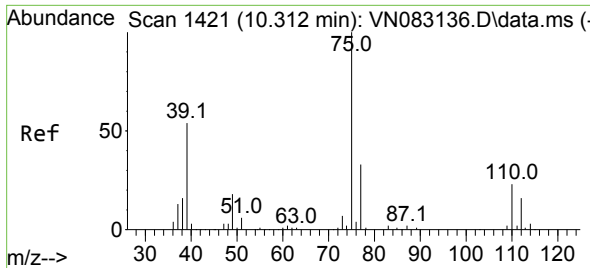
Tgt Ion: 43 Resp: 9841
Ion Ratio Lower Upper
43 100
58 17.1 28.2 42.4#



#52
Toluene
Concen: 0.270 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083265.D
Acq: 13 Aug 2024 18:08

Tgt Ion: 92 Resp: 1308
Ion Ratio Lower Upper
92 100
91 163.5 139.4 209.0

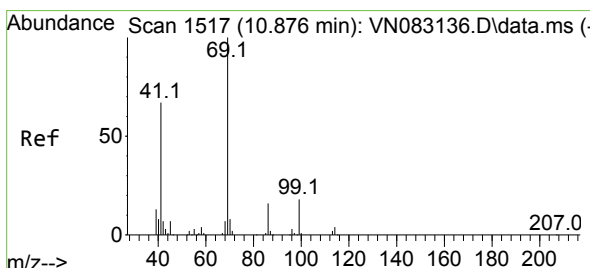
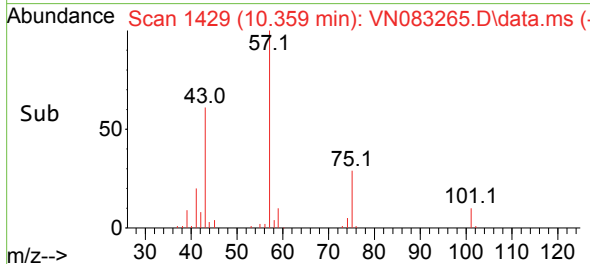
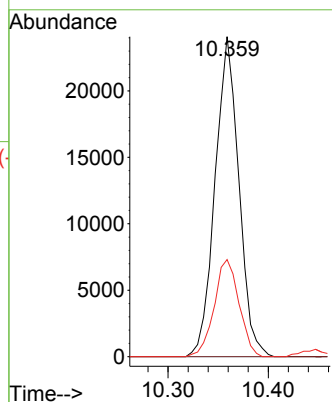
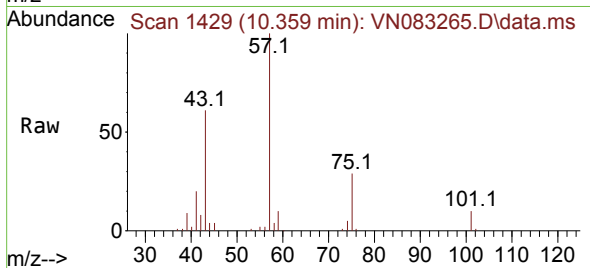




#54
 cis-1,3-Dichloropropene
 Concen: 12.390 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083265.D
 Acq: 13 Aug 2024 18:08

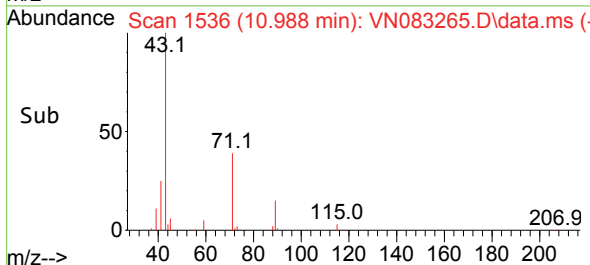
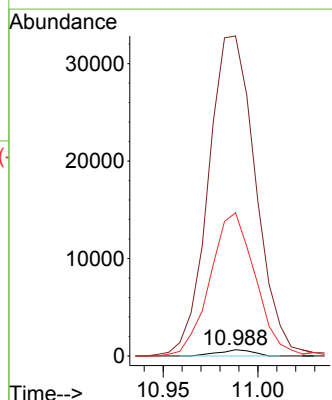
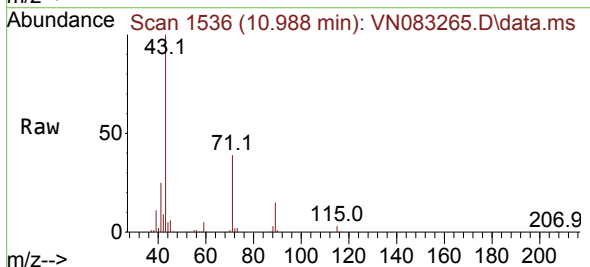
Instrument :
 MSVOA_N
 ClientSampleId :

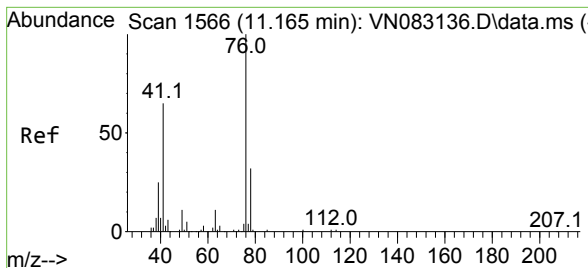
Tgt Ion: 75 Resp: 39591
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 30.3 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.245 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN083265.D
 Acq: 13 Aug 2024 18:08

Tgt Ion: 69 Resp: 802
 Ion Ratio Lower Upper
 69 100
 41 7176.1 63.4 95.2#
 39 3064.5 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.485 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

Lab File: VN083265.D

Acq: 13 Aug 2024 18:08

Instrument :

MSVOA_N

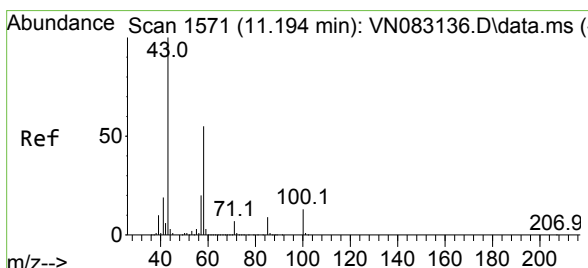
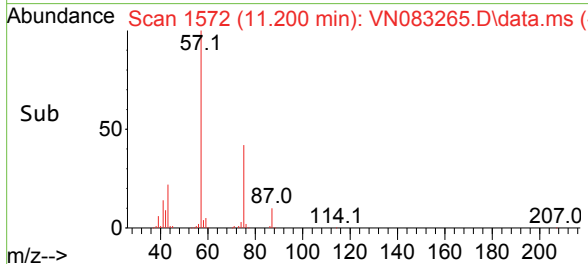
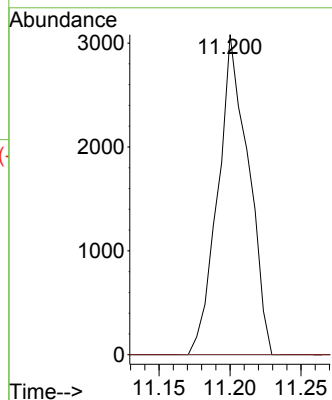
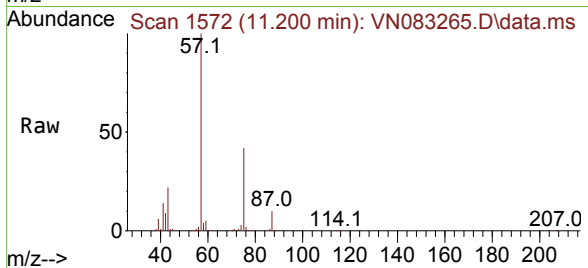
ClientSampleId :

Tgt Ion: 76 Resp: 4594

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 44.869 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN083265.D

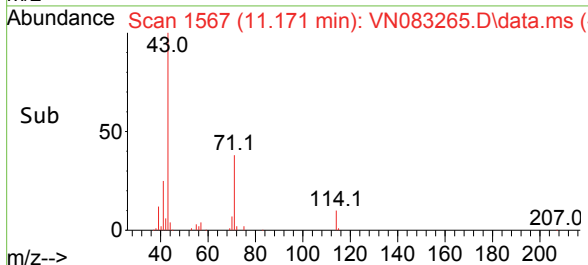
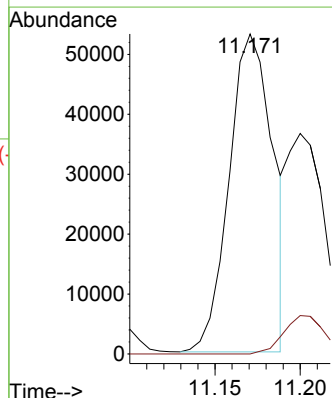
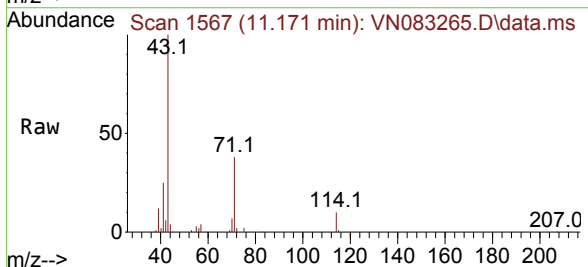
Acq: 13 Aug 2024 18:08

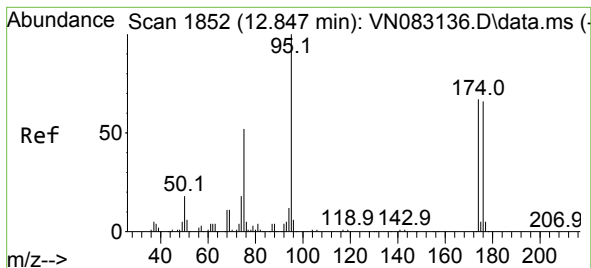
Tgt Ion: 43 Resp: 94585

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#

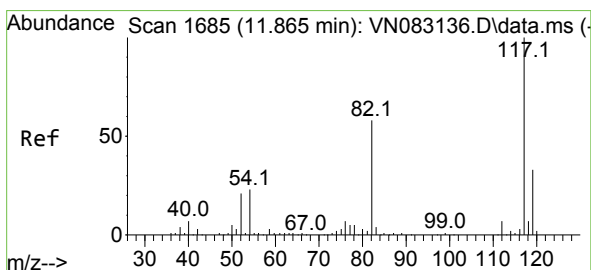
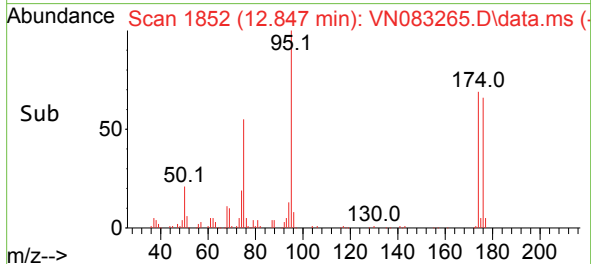
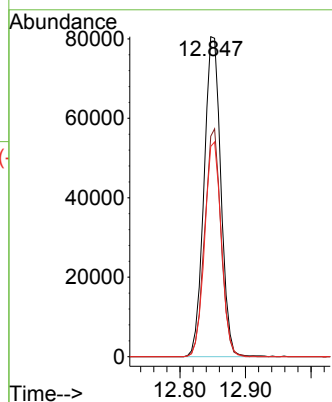
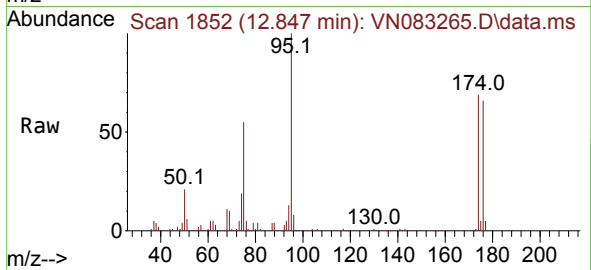




#62
4-Bromofluorobenzene
Concen: 58.058 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083265.D
Acq: 13 Aug 2024 18:08

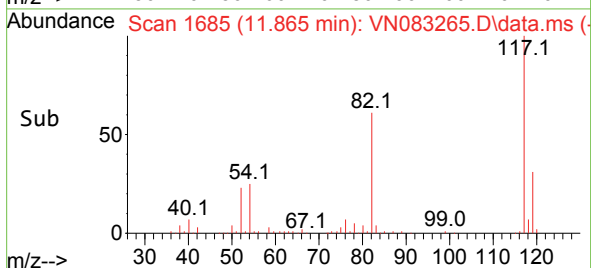
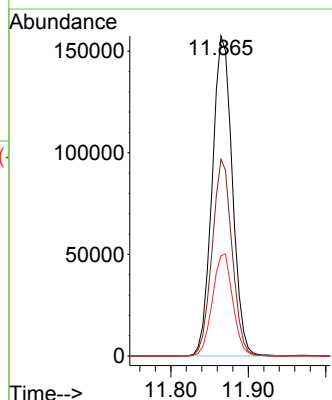
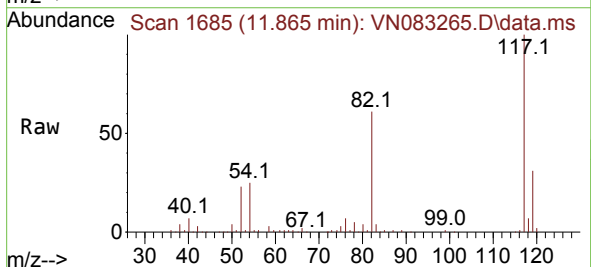
Instrument :
MSVOA_N
ClientSampleId :

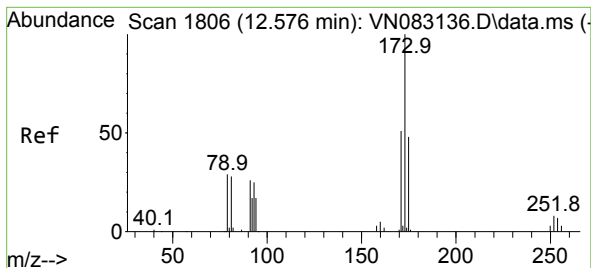
Tgt Ion: 95 Resp: 143637
Ion Ratio Lower Upper
95 100
174 68.9 0.0 159.2
176 66.4 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083265.D
Acq: 13 Aug 2024 18:08

Tgt Ion: 117 Resp: 284304
Ion Ratio Lower Upper
117 100
82 61.5 47.5 71.3
119 31.3 25.6 38.4





#71

Bromoform

Concen: 0.482 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

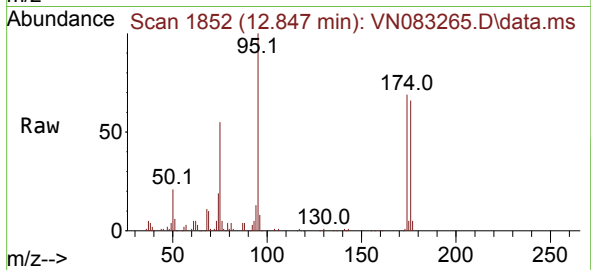
Lab File: VN083265.D

Acq: 13 Aug 2024 18:08

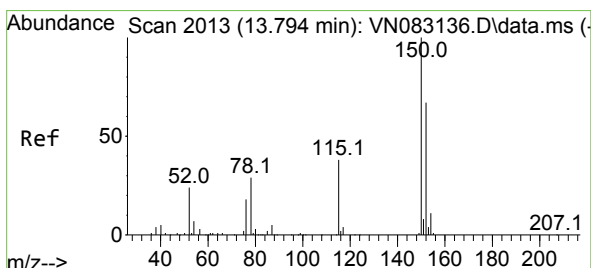
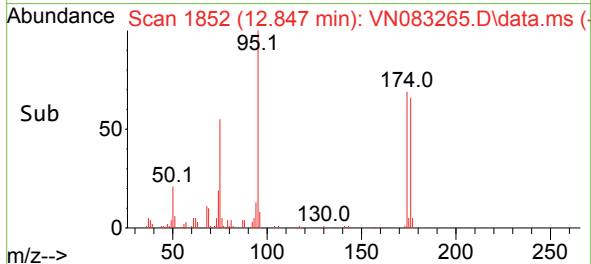
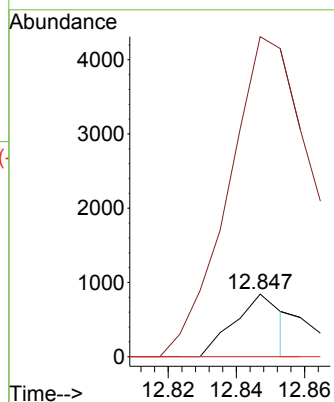
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	809
Ion Ratio	Lower	Upper	
173	100		
175	629.0	24.0	72.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

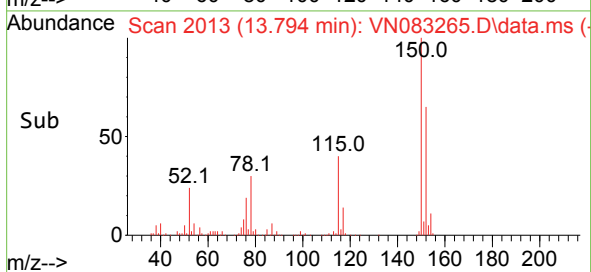
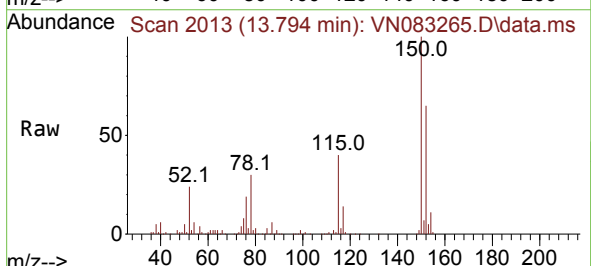
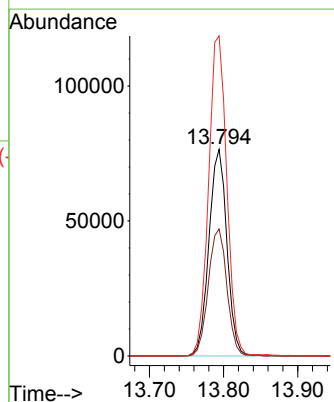
RT: 13.794 min Scan# 2013

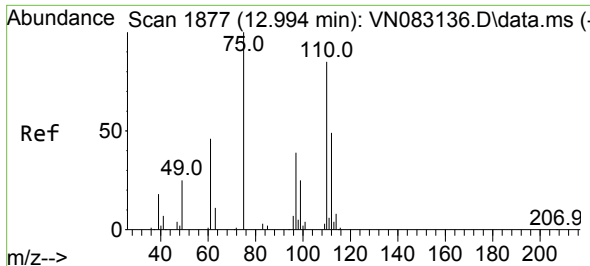
Delta R.T. 0.000 min

Lab File: VN083265.D

Acq: 13 Aug 2024 18:08

Tgt Ion:	152	Resp:	128981
Ion Ratio	Lower	Upper	
152	100		
115	63.5	30.6	91.6
150	157.1	0.0	348.6

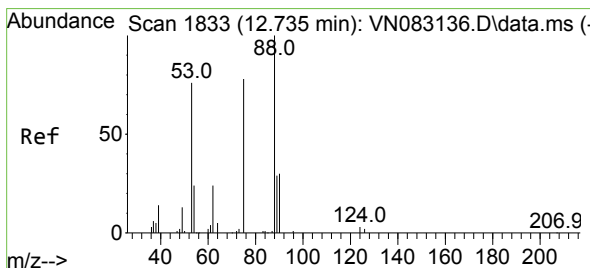
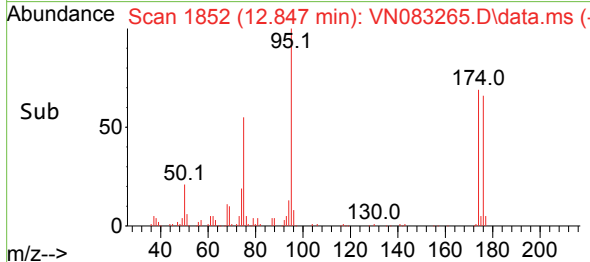
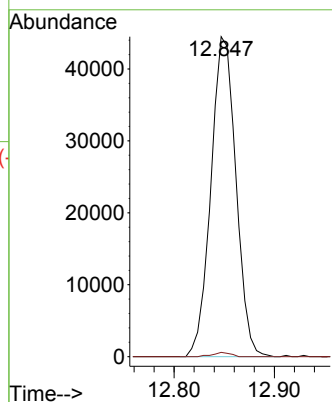
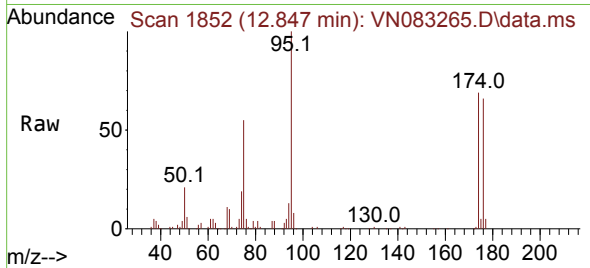




#76
1,2,3-Trichloropropane
Concen: 27.312 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083265.D
Acq: 13 Aug 2024 18:08

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 77314
Ion Ratio Lower Upper
75 100
77 1.0 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.409 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083265.D
Acq: 13 Aug 2024 18:08

Tgt Ion: 75 Resp: 77314
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

