

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081324\
 Data File : VN083266.D
 Acq On : 13 Aug 2024 18:33
 Operator : JC\MD
 Sample : P3548-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 01:47:51 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

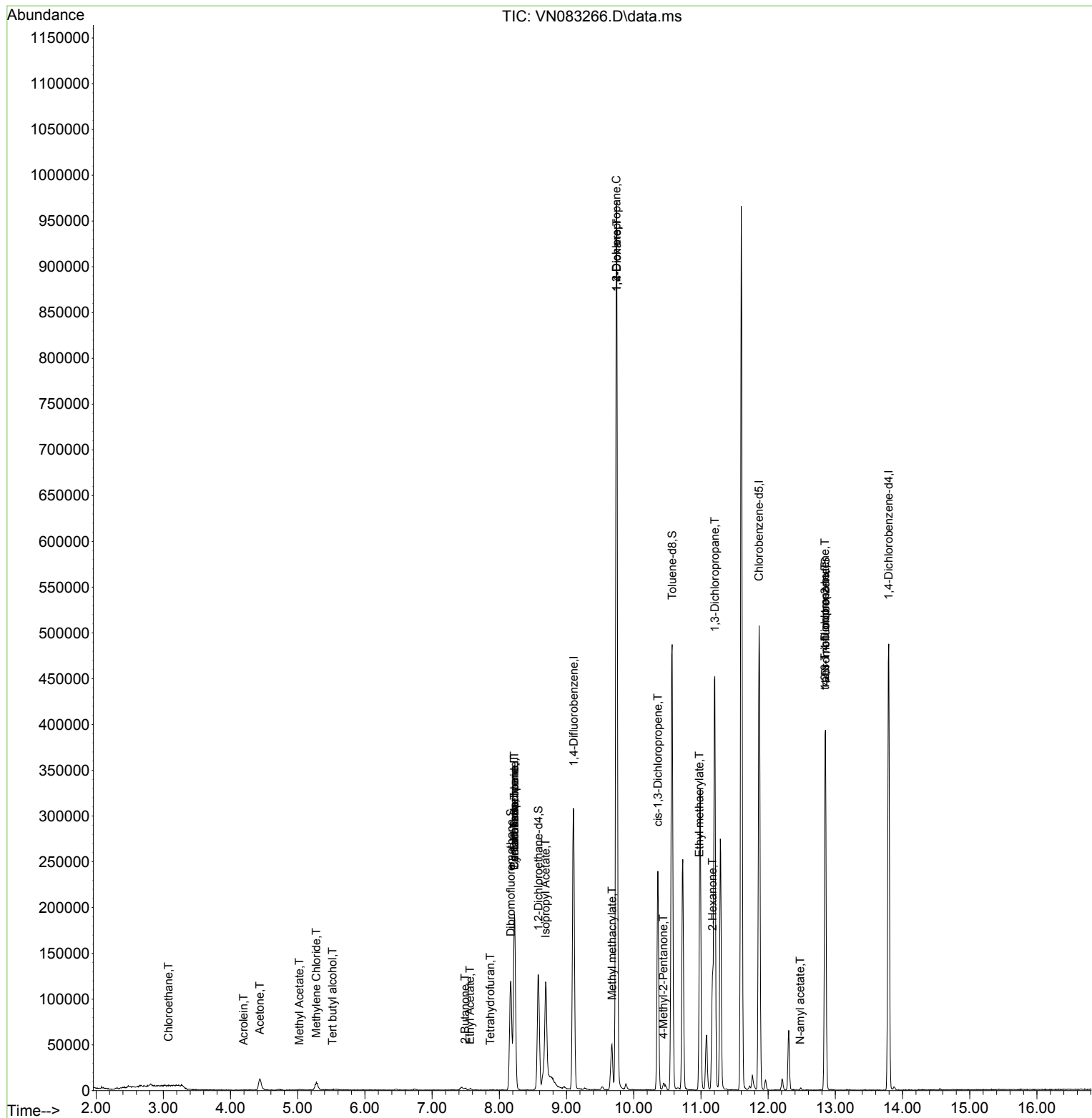
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	134350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	262098	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	283434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	128932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	109808	57.421	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.840%	
35) Dibromofluoromethane	8.171	113	86701	52.997	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.000%	
50) Toluene-d8	10.571	98	337172	55.251	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.500%	
62) 4-Bromofluorobenzene	12.853	95	142518	59.904	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 119.800%	
Target Compounds						Qvalue
6) Chloroethane	3.077	64	228	0.229	ug/l #	41
11) Tert butyl alcohol	5.518	59	119	0.299	ug/l #	71
13) Acrolein	4.195	56	54	0.208	ug/l #	14
16) Acetone	4.436	43	23765	31.759	ug/l	97
18) Methyl Acetate	5.024	43	1795	0.805	ug/l #	56
20) Methylene Chloride	5.277	84	6279	3.646	ug/l	89
25) 2-Butanone	7.489	43	3698	3.219	ug/l	97
29) Tetrahydrofuran	7.865	42	189	0.254	ug/l #	63
31) Cyclohexane	8.224	56	3389	1.196	ug/l #	4
36) 1,1-Dichloropropene	8.224	75	12029	4.861	ug/l #	51
37) Ethyl Acetate	7.565	43	3143	1.134	ug/l #	80
38) Carbon Tetrachloride	8.224	117	14876	5.337	ug/l #	16
43) Isopropyl Acetate	8.688	43	161225	32.590	ug/l #	89
45) 1,2-Dichloropropane	9.741	63	1336	0.763	ug/l #	44
48) Methyl methacrylate	9.677	41	3394	1.482	ug/l #	50
49) 1,4-Dioxane	9.747	88	63	1.524	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	8725	3.330	ug/l #	78
54) cis-1,3-Dichloropropene	10.359	75	42692	13.893	ug/l #	56
56) Ethyl methacrylate	10.977	69	852	0.271	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4461	1.499	ug/l #	43
59) 2-Hexanone	11.171	43	99793	49.229	ug/l #	28
74) N-amyl acetate	12.476	43	1231	0.233	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	78239	27.649	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78239	60.143	ug/l #	6

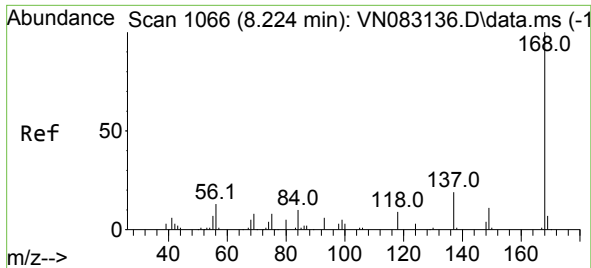
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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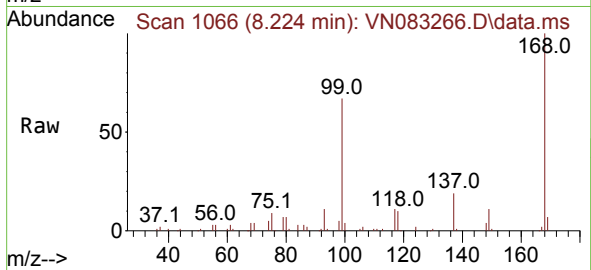
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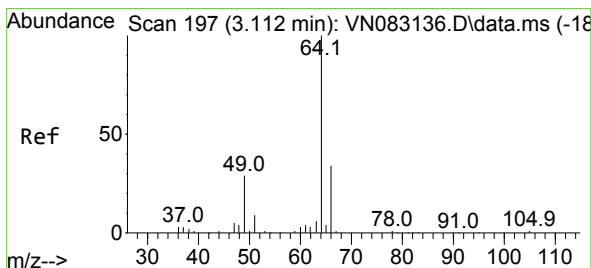
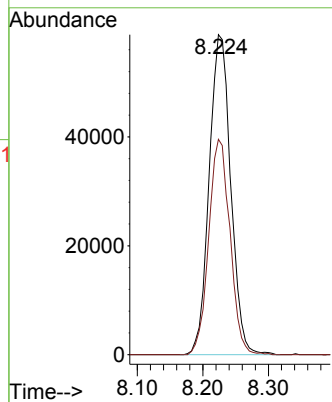
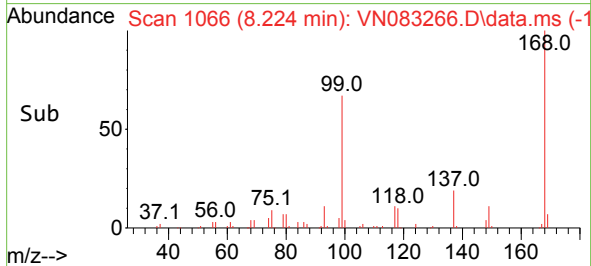


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083266.D
Acq: 13 Aug 2024 18:33

Instrument :
MSVOA_N
ClientSampleId :

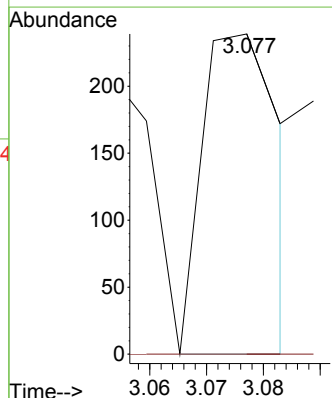
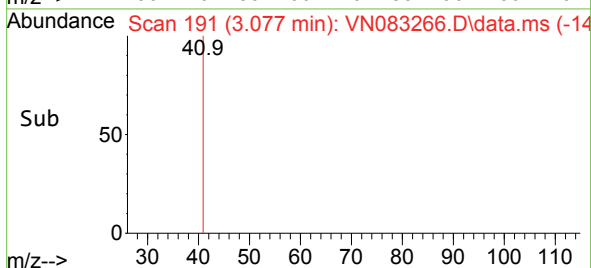
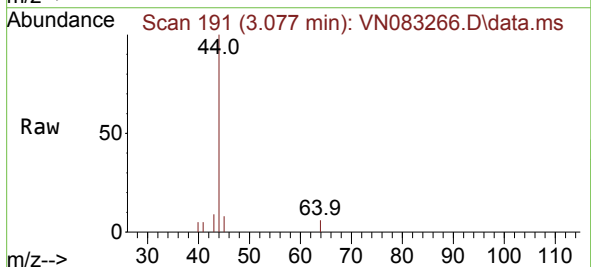


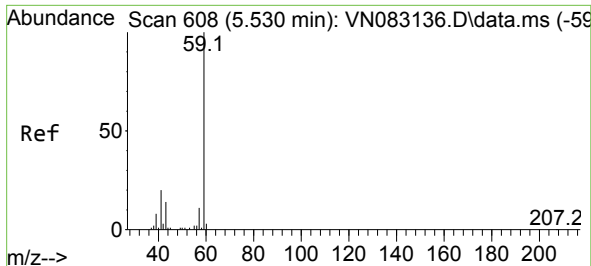
Tgt Ion:168 Resp: 134350
Ion Ratio Lower Upper
168 100
99 67.3 48.2 72.4



#6
Chloroethane
Concen: 0.229 ug/l
RT: 3.077 min Scan# 191
Delta R.T. -0.035 min
Lab File: VN083266.D
Acq: 13 Aug 2024 18:33

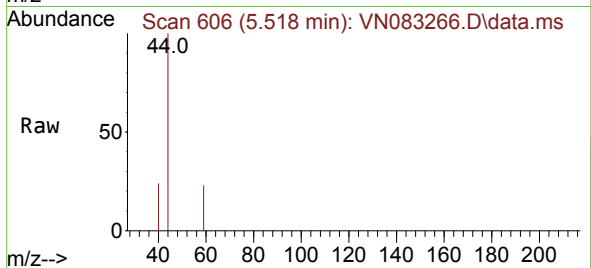
Tgt Ion: 64 Resp: 228
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



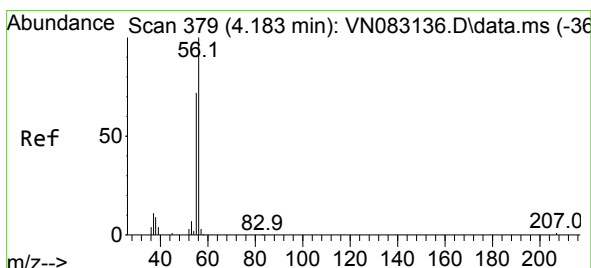
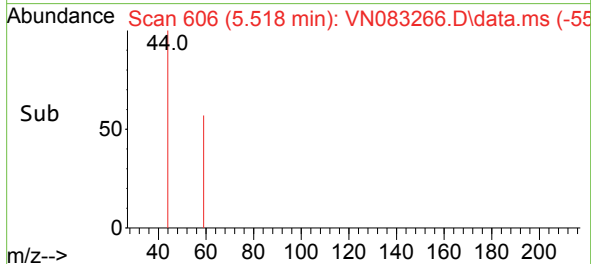
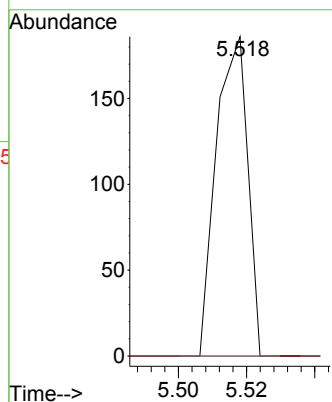


#11
Tert butyl alcohol
Concen: 0.299 ug/l
RT: 5.518 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN083266.D
Acq: 13 Aug 2024 18:33

Instrument :
MSVOA_N
ClientSampleId :

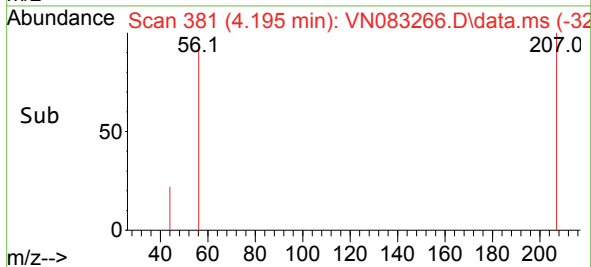
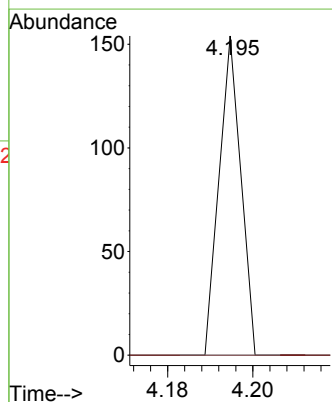
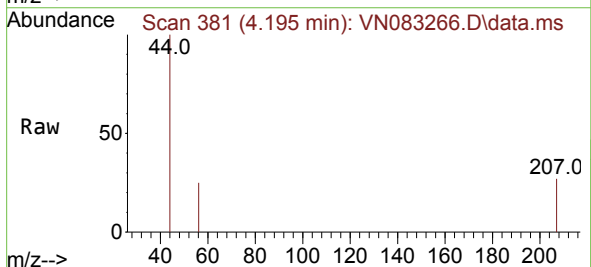


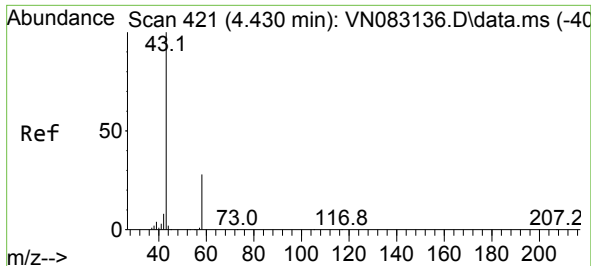
Tgt Ion: 59 Resp: 119
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#13
Acrolein
Concen: 0.208 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.012 min
Lab File: VN083266.D
Acq: 13 Aug 2024 18:33

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

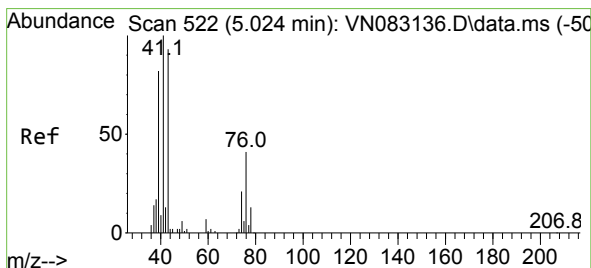
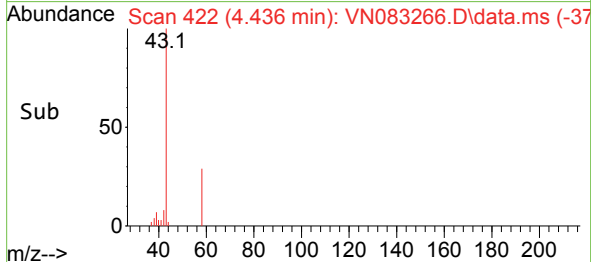
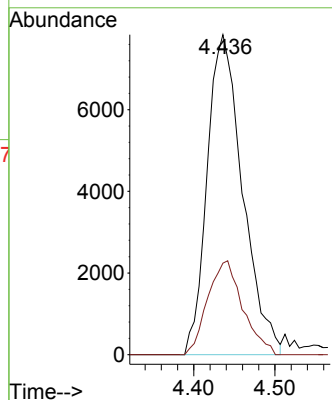
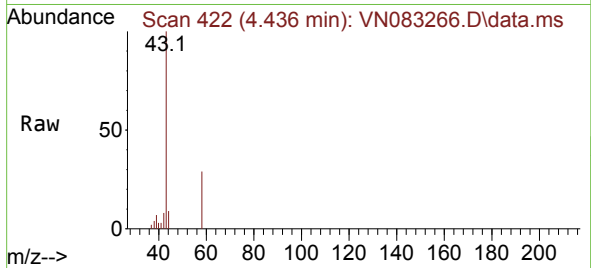




#16
Acetone
Concen: 31.759 ug/l
RT: 4.436 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN083266.D
Acq: 13 Aug 2024 18:33

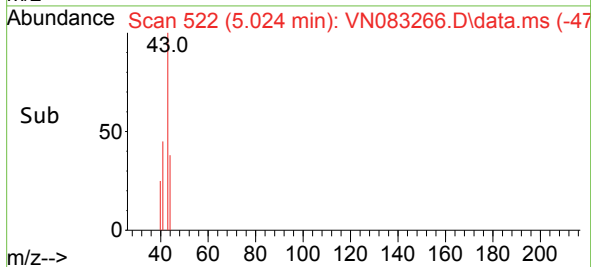
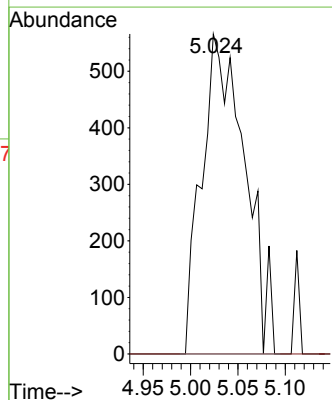
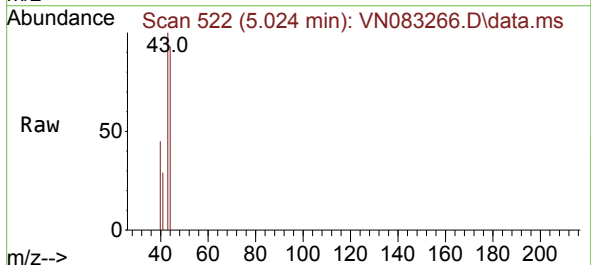
Instrument :
MSVOA_N
ClientSampleId :

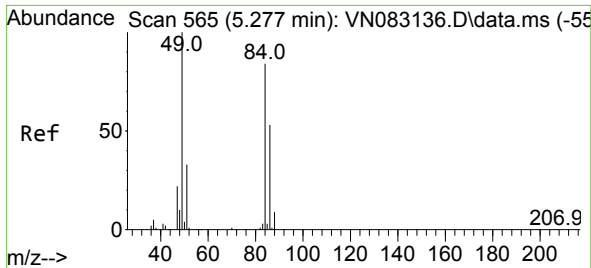
Tgt Ion: 43 Resp: 23765
Ion Ratio Lower Upper
43 100
58 28.6 21.8 32.6



#18
Methyl Acetate
Concen: 0.805 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN083266.D
Acq: 13 Aug 2024 18:33

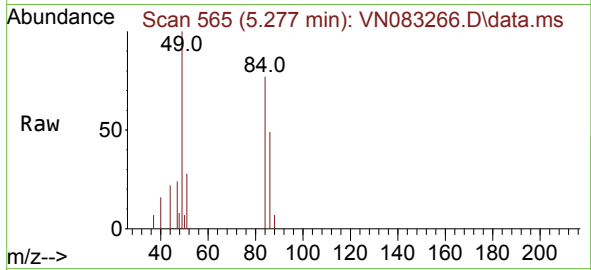
Tgt Ion: 43 Resp: 1795
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#





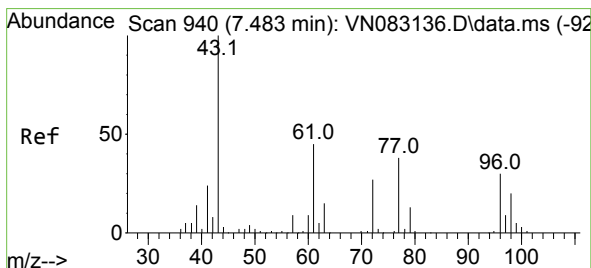
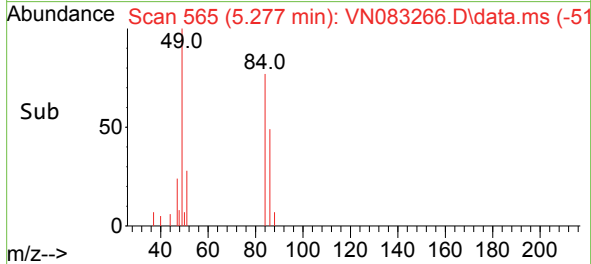
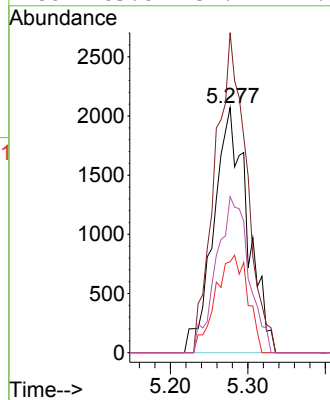
#20
Methylene Chloride
Concen: 3.646 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN083266.D
Acq: 13 Aug 2024 18:33

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 6279

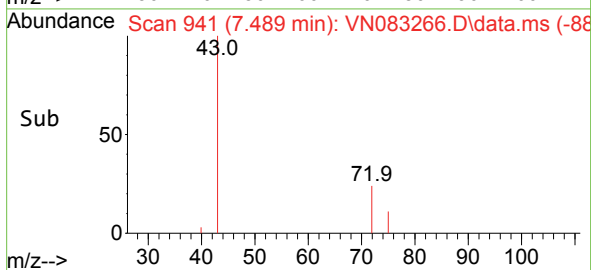
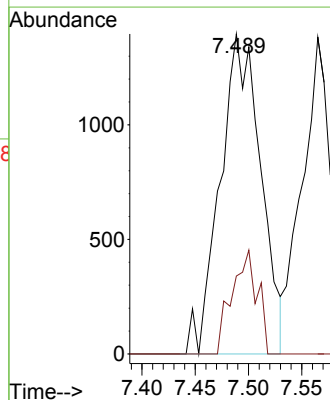
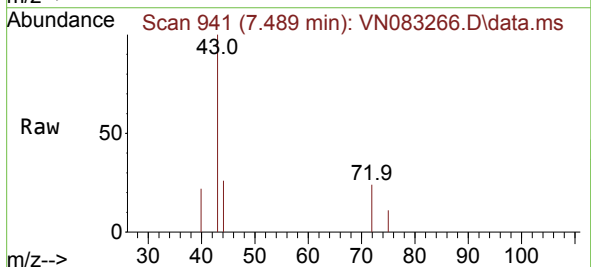
Ion	Ratio	Lower	Upper
84	100		
49	130.6	119.6	179.4
51	37.1	34.8	52.2
86	63.6	52.9	79.3

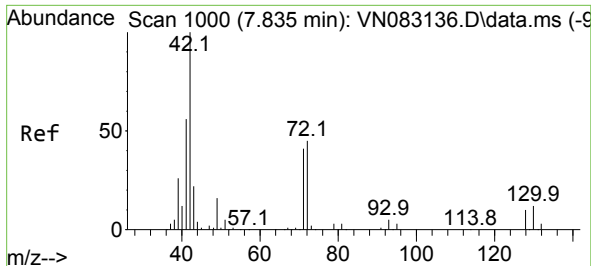


#25
2-Butanone
Concen: 3.219 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083266.D
Acq: 13 Aug 2024 18:33

Tgt Ion: 43 Resp: 3698

Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.2	27.2





#29

Tetrahydrofuran

Concen: 0.254 ug/l

RT: 7.865 min Scan# 1005

Delta R.T. 0.029 min

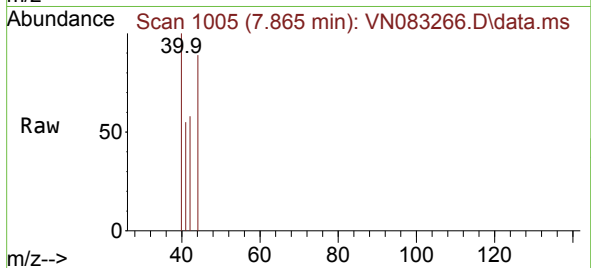
Lab File: VN083266.D

Acq: 13 Aug 2024 18:33

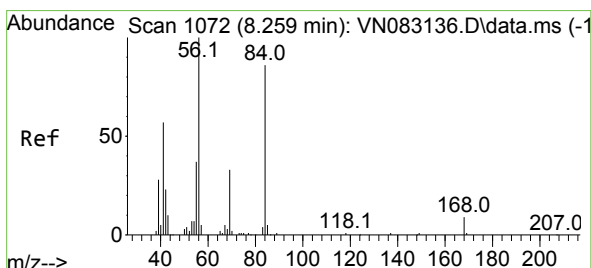
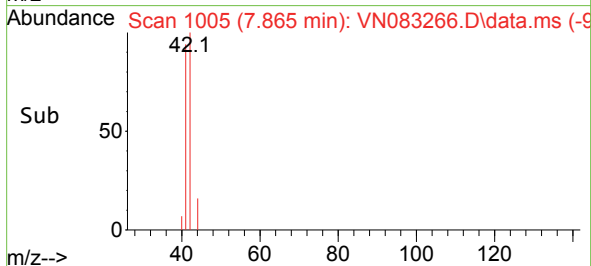
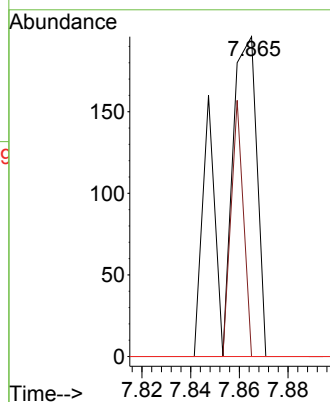
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	189
Ion Ratio	Lower	Upper	
42	100		
72	29.1	30.0	45.0#
71	0.0	28.3	42.5#



#31

Cyclohexane

Concen: 1.196 ug/l

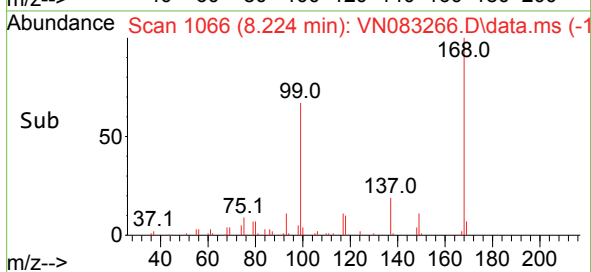
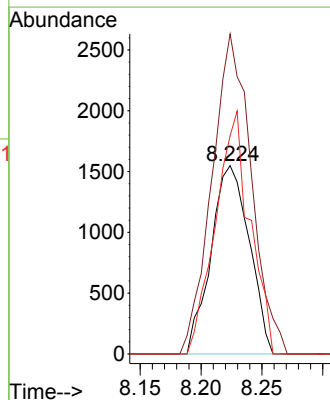
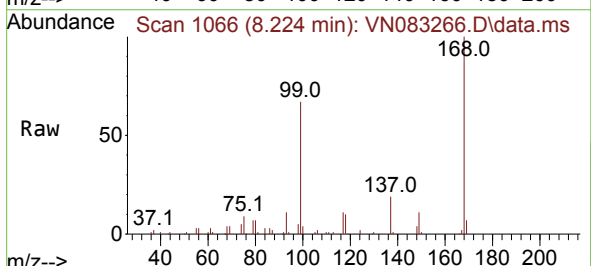
RT: 8.224 min Scan# 1066

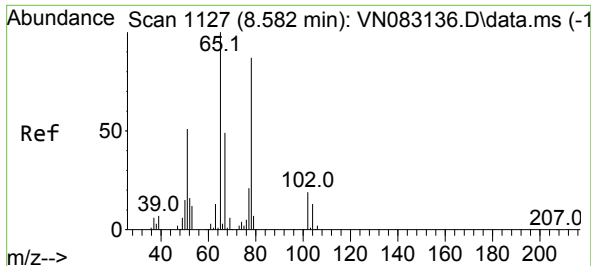
Delta R.T. -0.035 min

Lab File: VN083266.D

Acq: 13 Aug 2024 18:33

Tgt Ion:	56	Resp:	3389
Ion Ratio	Lower	Upper	
56	100		
69	170.0	24.5	36.7#
84	116.0	66.0	99.0#





#33

1,2-Dichloroethane-d4

Concen: 57.421 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN083266.D

Acq: 13 Aug 2024 18:33

Instrument :

MSVOA_N

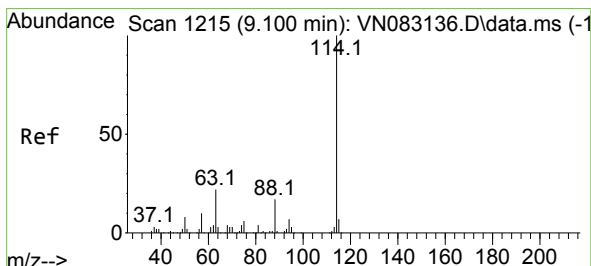
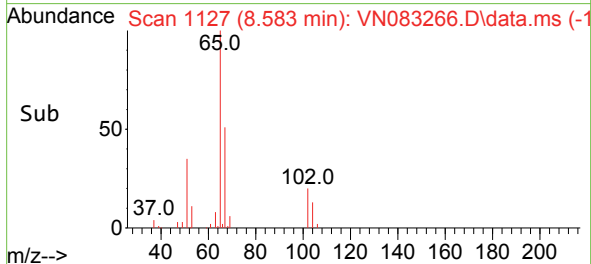
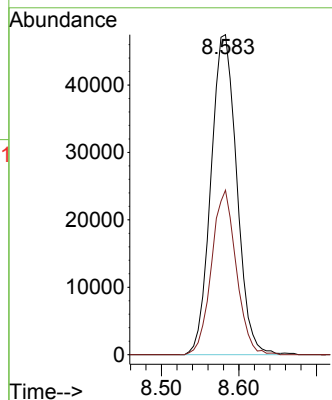
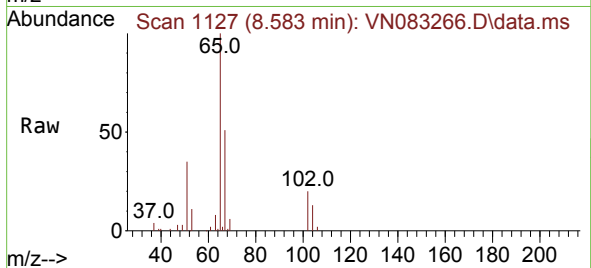
ClientSampleId :

Tgt Ion: 65 Resp: 109808

Ion Ratio Lower Upper

65 100

67 49.2 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN083266.D

Acq: 13 Aug 2024 18:33

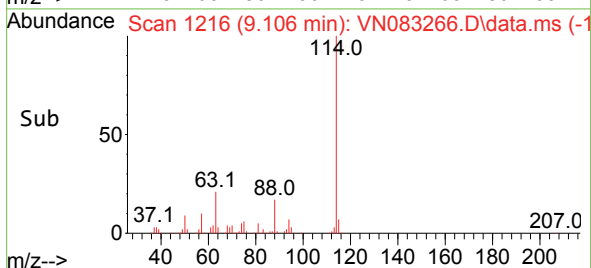
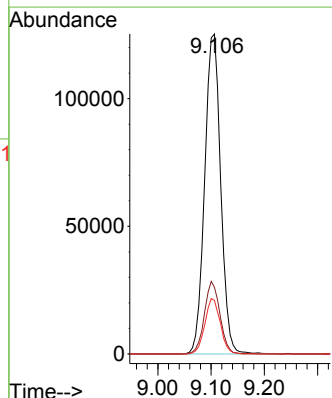
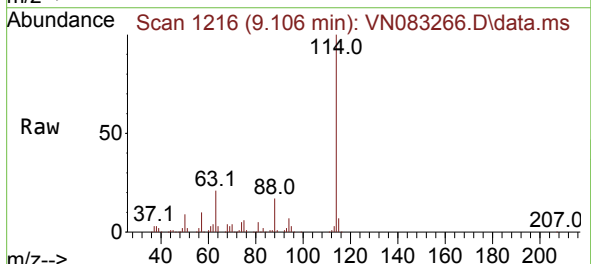
Tgt Ion: 114 Resp: 262098

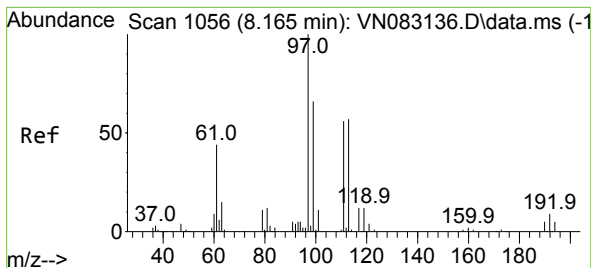
Ion Ratio Lower Upper

114 100

63 20.9 0.0 44.6

88 16.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.997 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN083266.D

Acq: 13 Aug 2024 18:33

Instrument :

MSVOA_N

ClientSampleId :

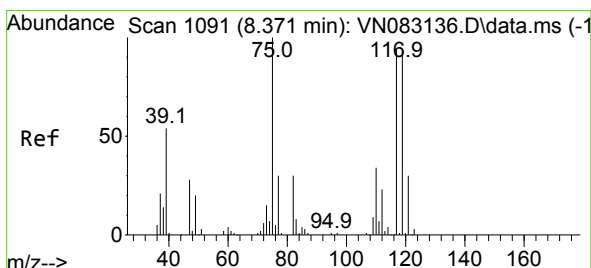
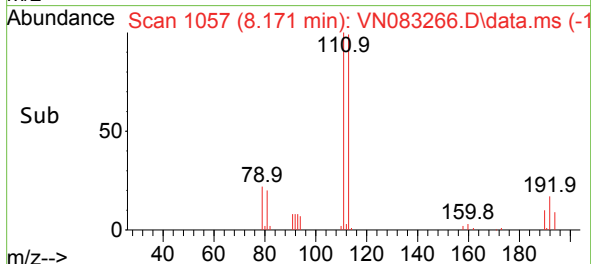
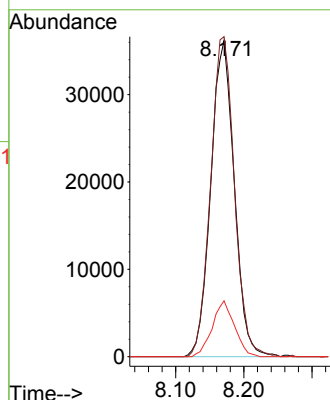
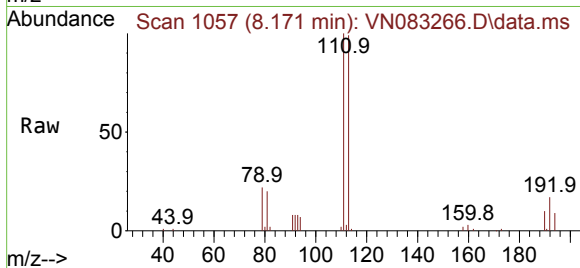
Tgt Ion:113 Resp: 86701

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

192 16.8 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.861 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083266.D

Acq: 13 Aug 2024 18:33

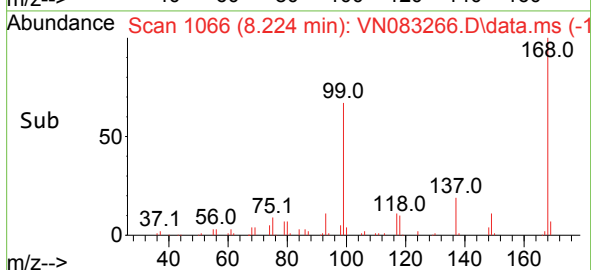
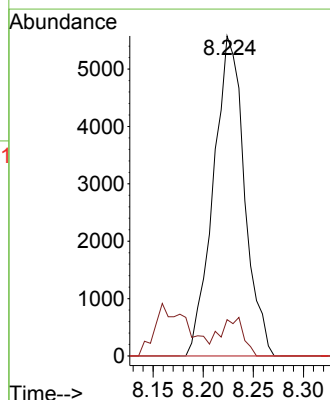
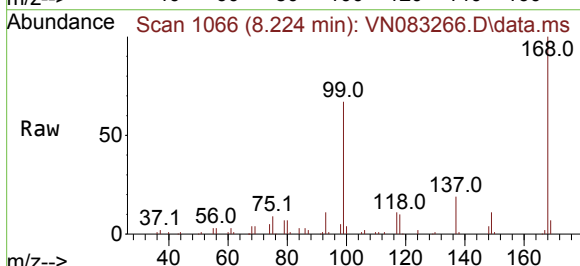
Tgt Ion: 75 Resp: 12029

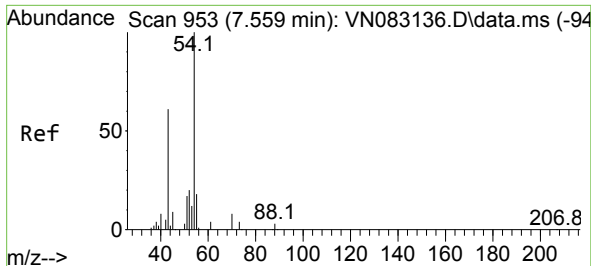
Ion Ratio Lower Upper

75 100

110 9.0 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.134 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

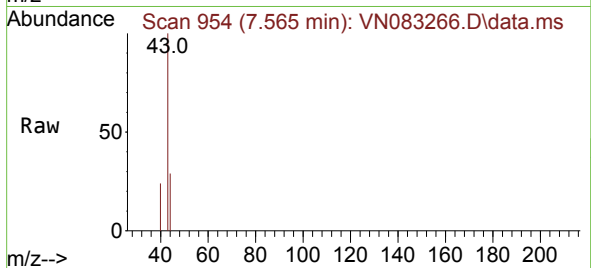
Lab File: VN083266.D

Acq: 13 Aug 2024 18:33

Instrument :

MSVOA_N

ClientSampleId :



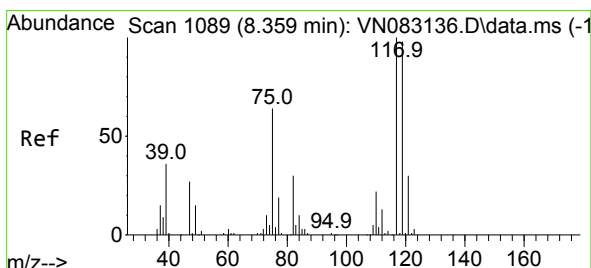
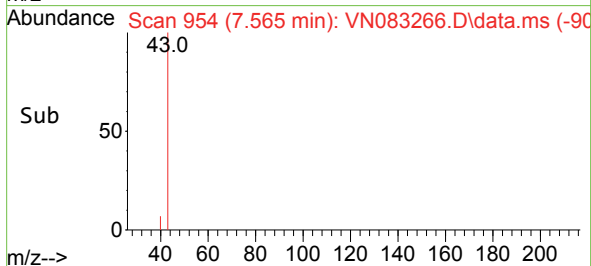
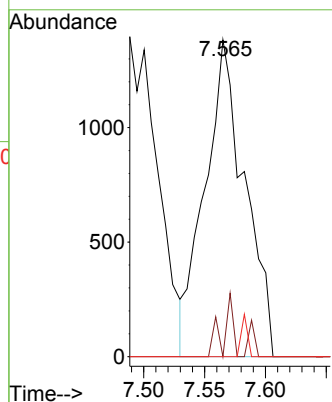
Tgt Ion: 43 Resp: 3143

Ion Ratio Lower Upper

43 100

61 5.1 9.3 13.9#

70 0.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 5.337 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN083266.D

Acq: 13 Aug 2024 18:33

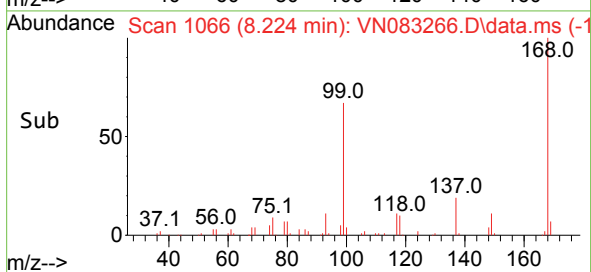
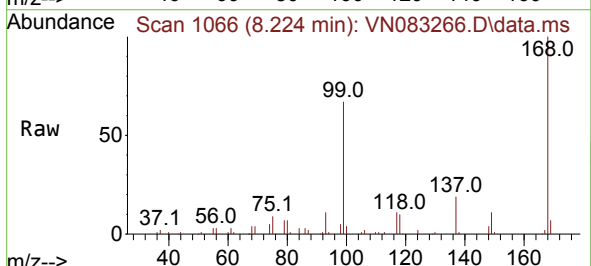
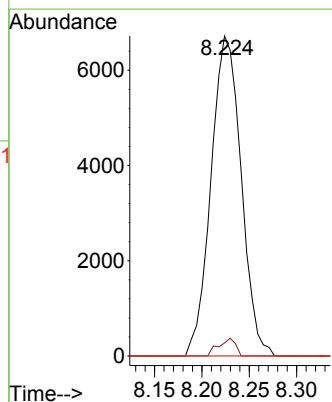
Tgt Ion: 117 Resp: 14876

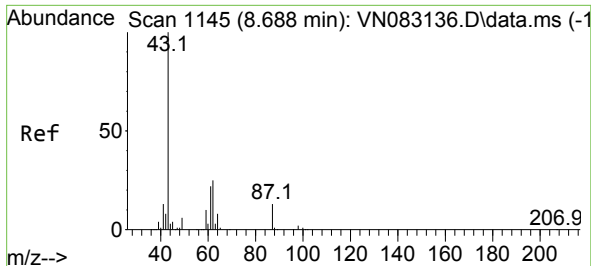
Ion Ratio Lower Upper

117 100

119 4.1 74.9 112.3#

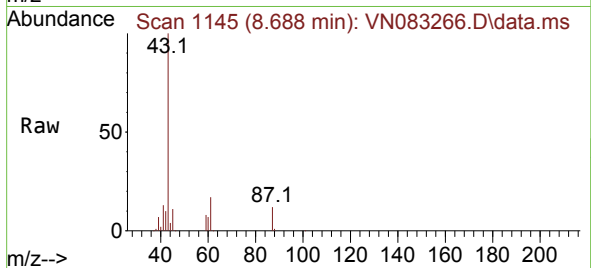
121 0.0 24.3 36.5#



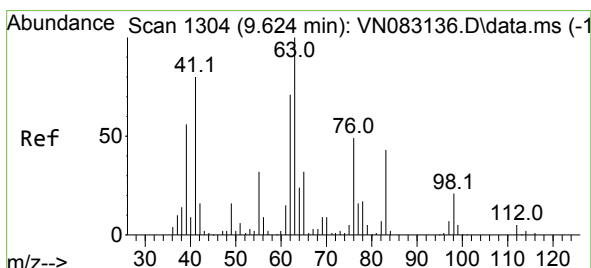
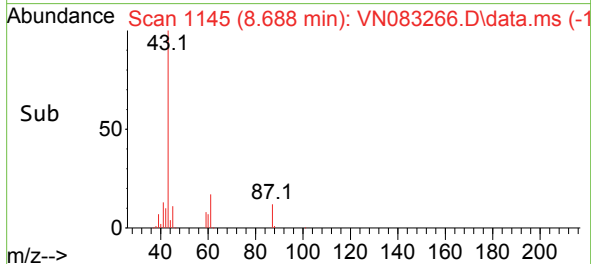
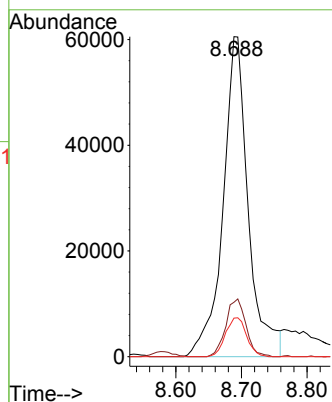


#43
Isopropyl Acetate
Concen: 32.590 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083266.D
Acq: 13 Aug 2024 18:33

Instrument :
MSVOA_N
ClientSampleId :

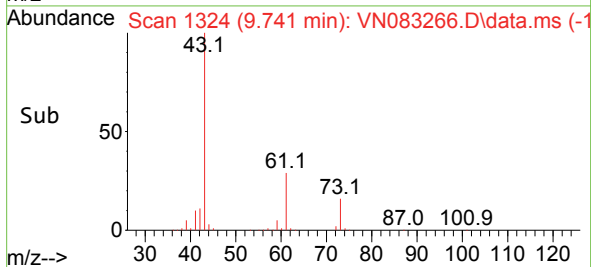
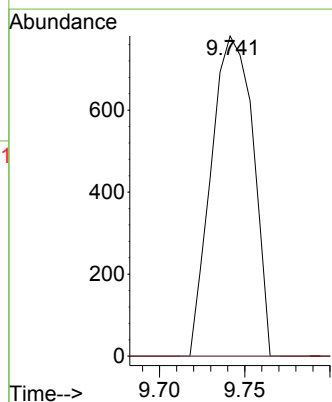
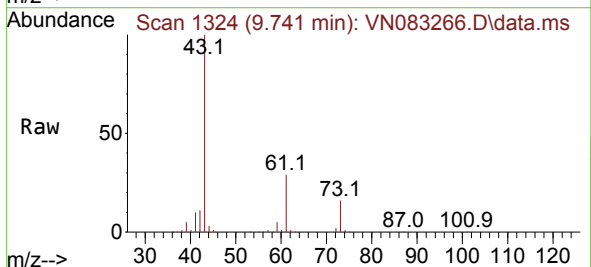


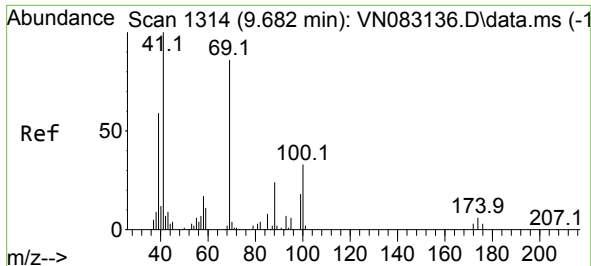
Tgt Ion: 43 Resp: 161225
Ion Ratio Lower Upper
43 100
61 14.5 17.8 26.6#
87 10.2 8.2 12.2



#45
1,2-Dichloropropane
Concen: 0.763 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN083266.D
Acq: 13 Aug 2024 18:33

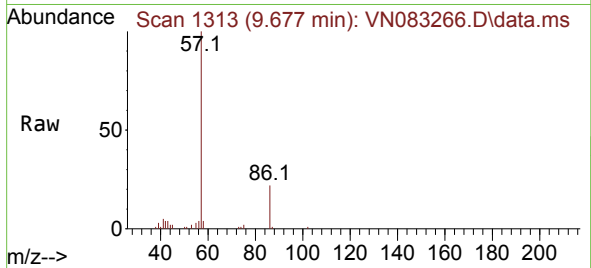
Tgt Ion: 63 Resp: 1336
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



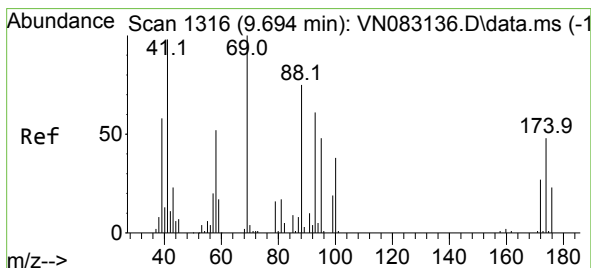
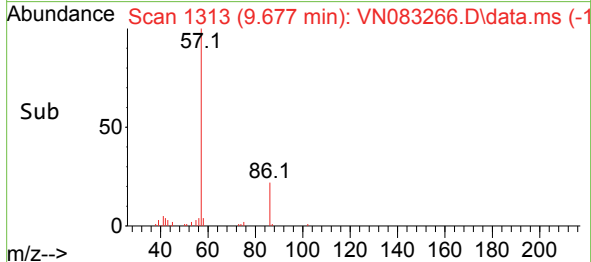
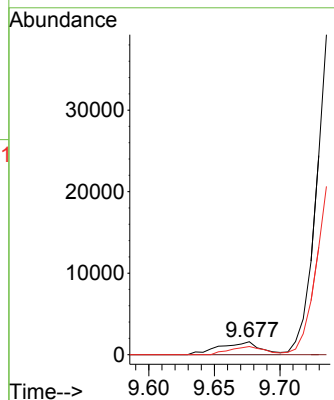


#48
Methyl methacrylate
Concen: 1.482 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN083266.D
Acq: 13 Aug 2024 18:33

Instrument :
MSVOA_N
ClientSampleId :

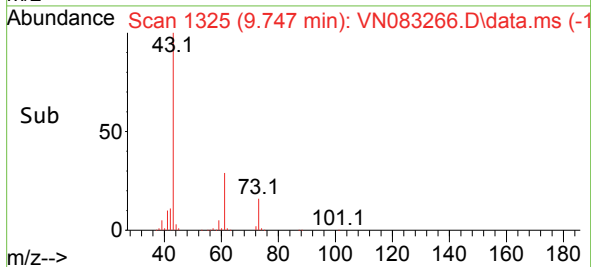
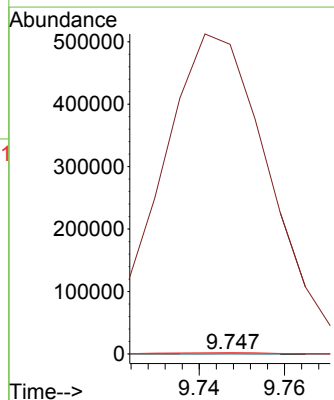
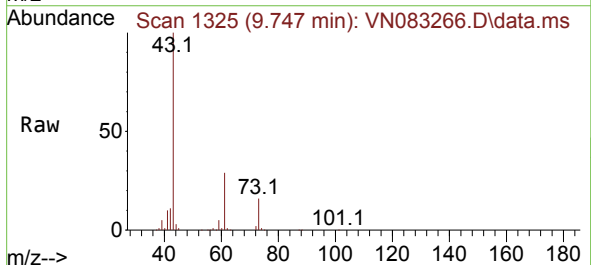


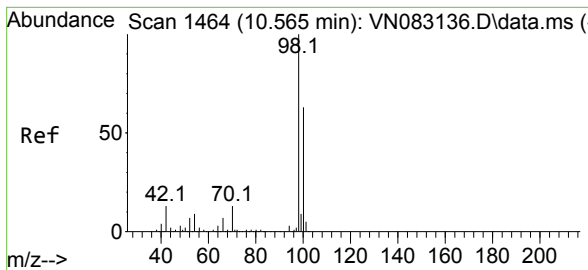
Tgt Ion: 41 Resp: 3394
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 54.4 50.3 75.5



#49
1,4-Dioxane
Concen: 1.524 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN083266.D
Acq: 13 Aug 2024 18:33

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 1480293.7 27.8 41.8#
58 6238.1 59.4 89.0#

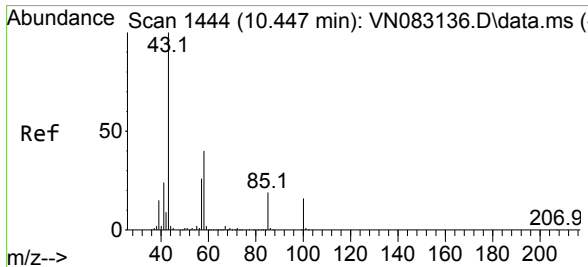
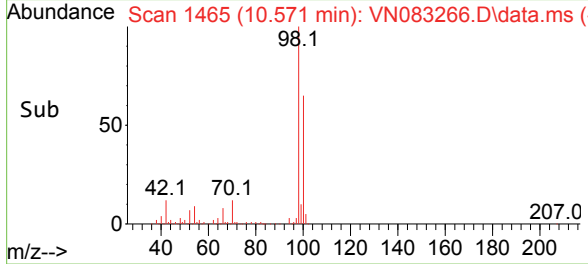
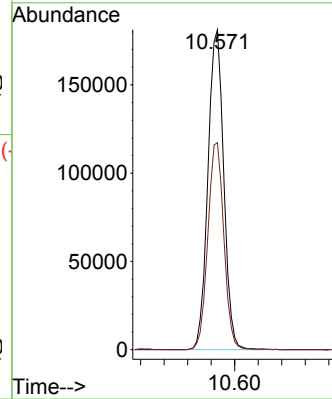
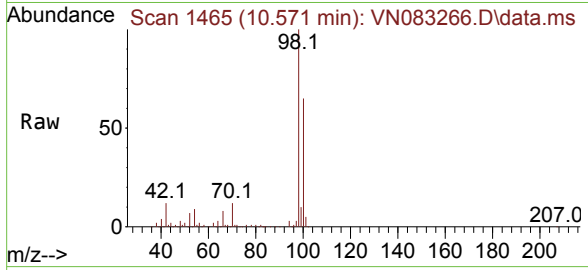




#50
Toluene-d8
Concen: 55.251 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN083266.D
Acq: 13 Aug 2024 18:33

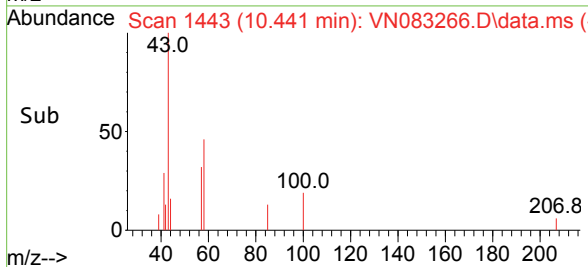
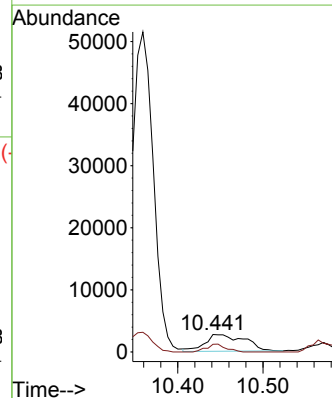
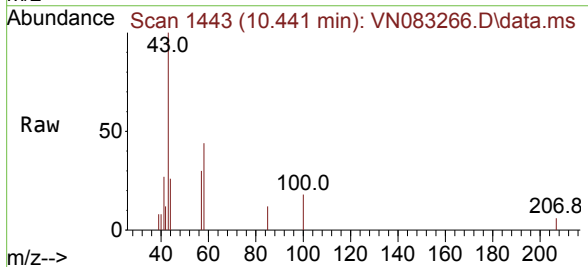
Instrument :
MSVOA_N
ClientSampleId :

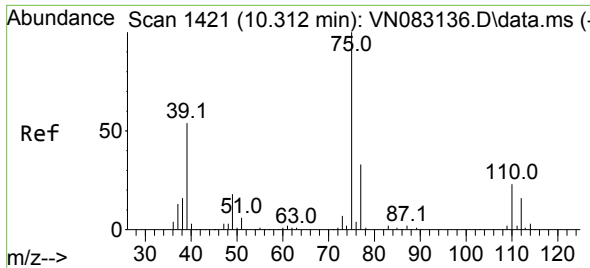
Tgt Ion: 98 Resp: 337172
Ion Ratio Lower Upper
98 100
100 65.5 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 3.330 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN083266.D
Acq: 13 Aug 2024 18:33

Tgt Ion: 43 Resp: 8725
Ion Ratio Lower Upper
43 100
58 22.8 28.2 42.4#

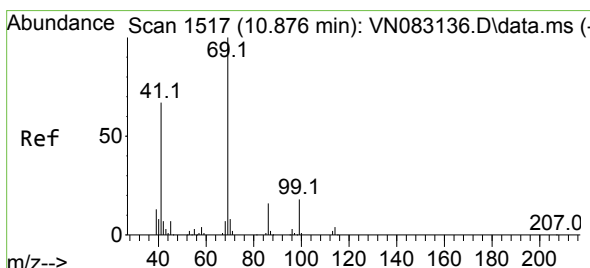
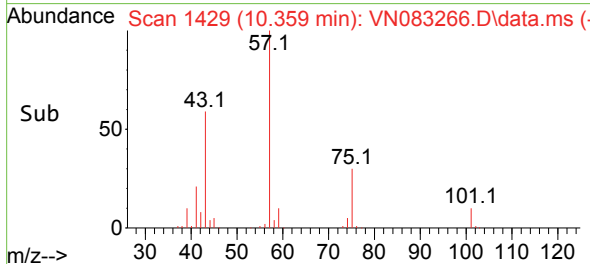
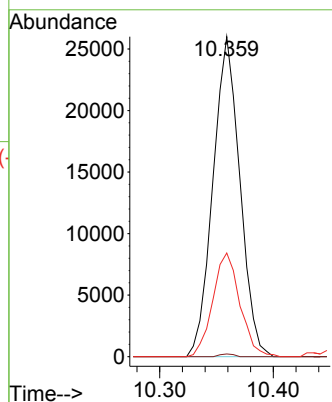
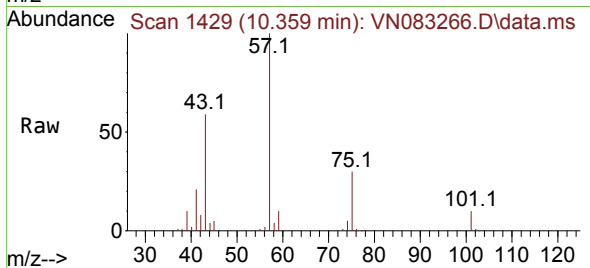




#54
 cis-1,3-Dichloropropene
 Concen: 13.893 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083266.D
 Acq: 13 Aug 2024 18:33

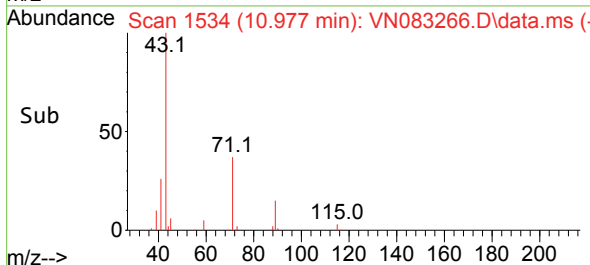
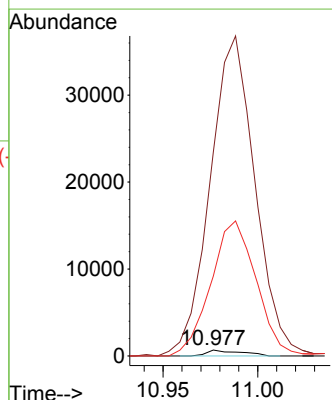
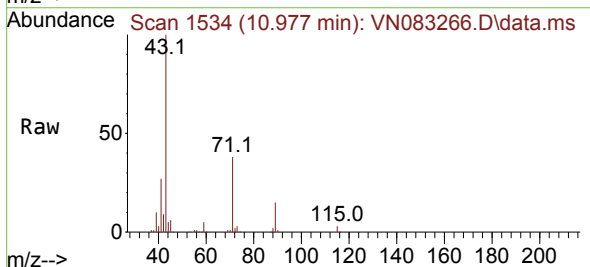
Instrument :
 MSVOA_N
 ClientSampleId :

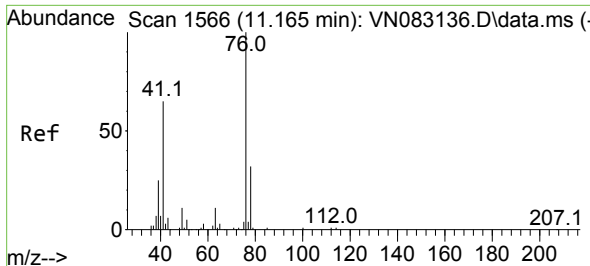
Tgt Ion: 75 Resp: 42692
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.3 36.5#
 39 32.4 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.271 ug/l
 RT: 10.977 min Scan# 1534
 Delta R.T. 0.100 min
 Lab File: VN083266.D
 Acq: 13 Aug 2024 18:33

Tgt Ion: 69 Resp: 852
 Ion Ratio Lower Upper
 69 100
 41 7162.4 63.4 95.2#
 39 3061.4 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.499 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN083266.D

Acq: 13 Aug 2024 18:33

Instrument :

MSVOA_N

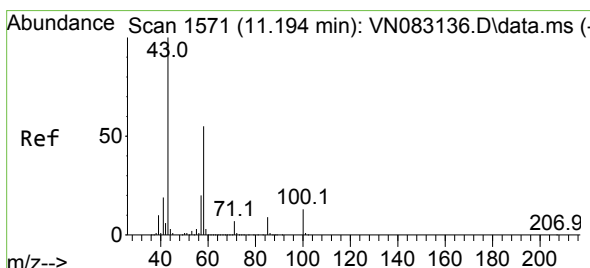
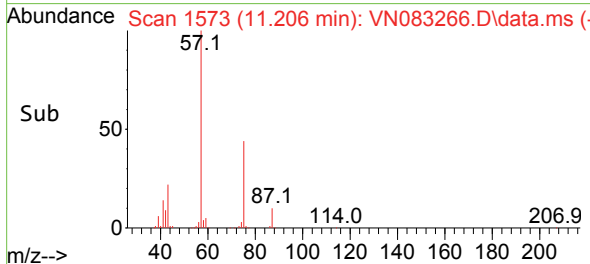
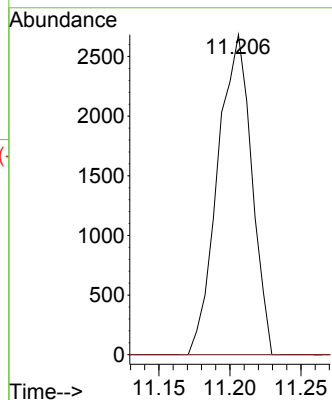
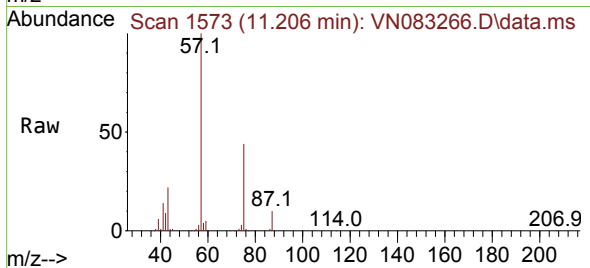
ClientSampleId :

Tgt Ion: 76 Resp: 4461

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 49.229 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN083266.D

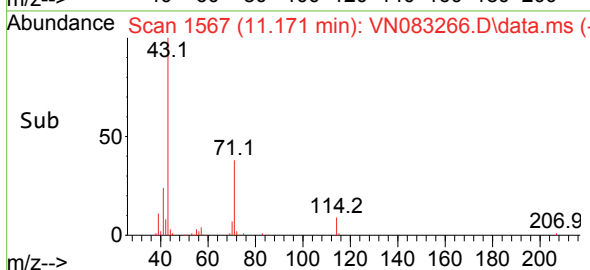
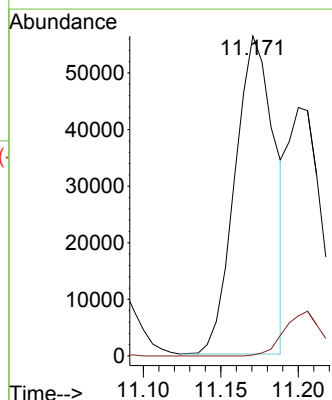
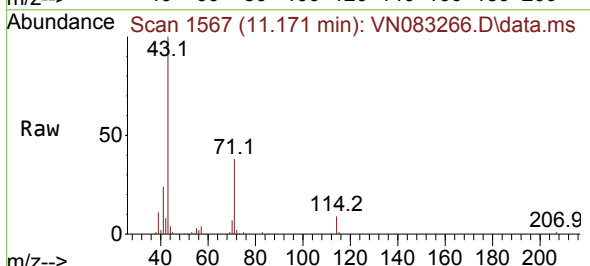
Acq: 13 Aug 2024 18:33

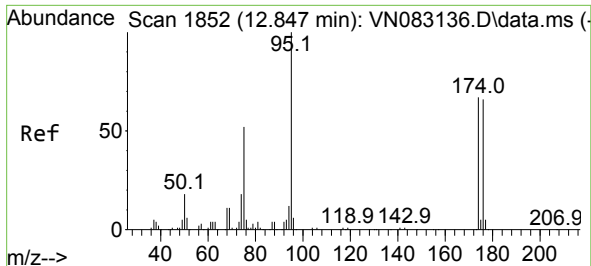
Tgt Ion: 43 Resp: 99793

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#

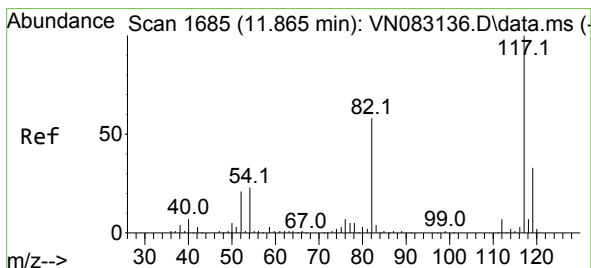
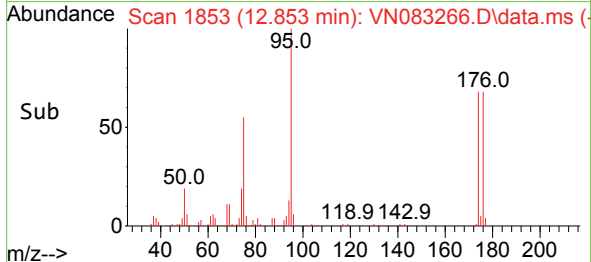
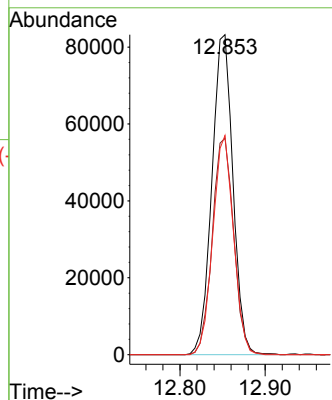
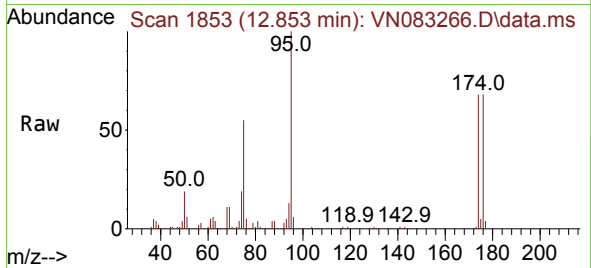




#62
4-Bromofluorobenzene
Concen: 59.904 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083266.D
Acq: 13 Aug 2024 18:33

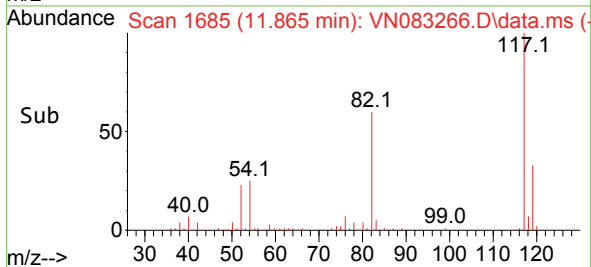
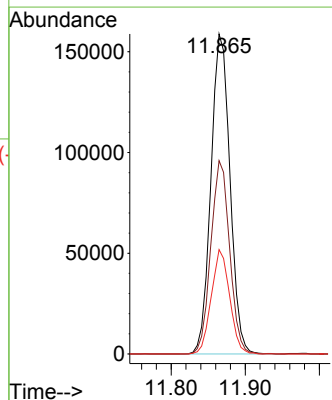
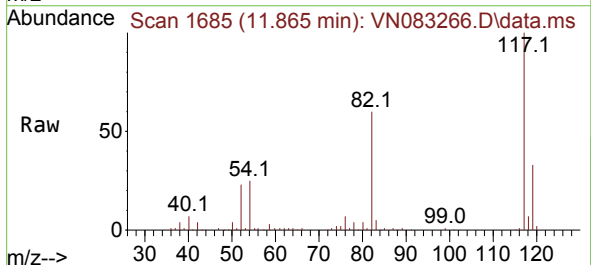
Instrument :
MSVOA_N
ClientSampleId :

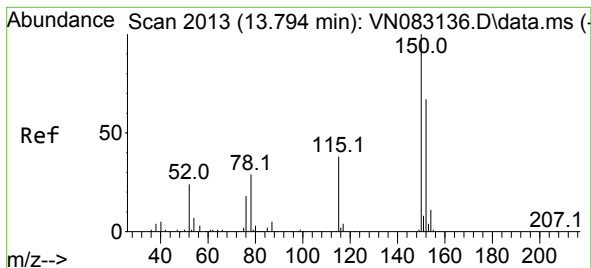
Tgt Ion: 95 Resp: 142518
Ion Ratio Lower Upper
95 100
174 69.0 0.0 159.2
176 67.2 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083266.D
Acq: 13 Aug 2024 18:33

Tgt Ion: 117 Resp: 283434
Ion Ratio Lower Upper
117 100
82 60.4 47.5 71.3
119 32.6 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

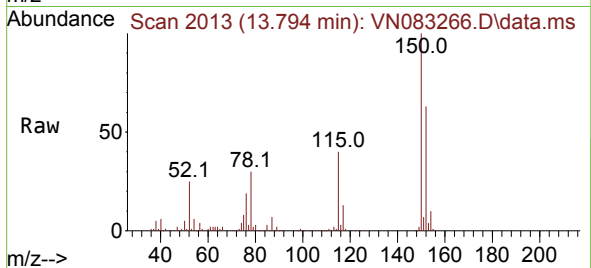
Lab File: VN083266.D

Acq: 13 Aug 2024 18:33

Instrument :

MSVOA_N

ClientSampleId :



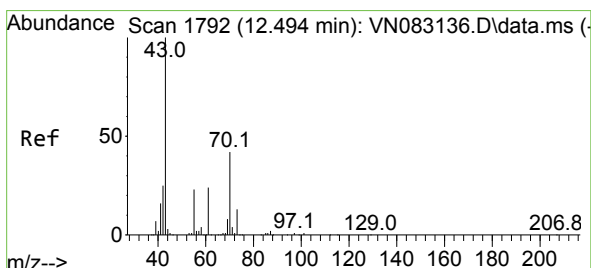
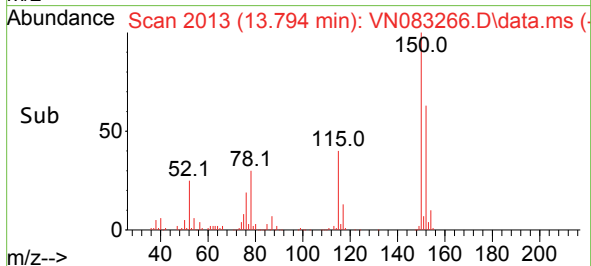
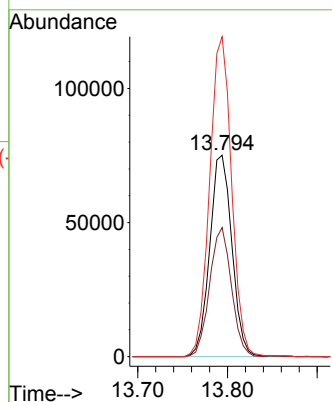
Tgt Ion:152 Resp: 128932

Ion Ratio Lower Upper

152 100

115 62.9 30.6 91.6

150 156.9 0.0 348.6



#74

N-ethyl acetate

Concen: 0.233 ug/l

RT: 12.476 min Scan# 1789

Delta R.T. -0.018 min

Lab File: VN083266.D

Acq: 13 Aug 2024 18:33

Tgt Ion: 43 Resp: 1231

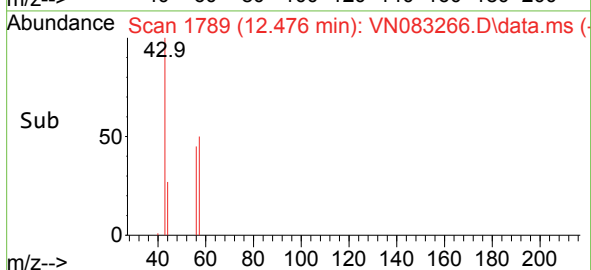
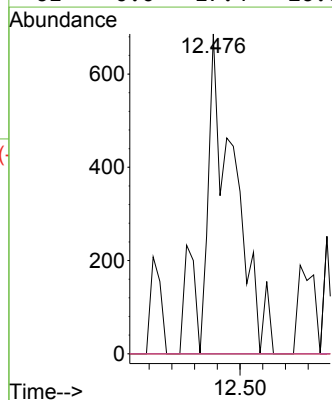
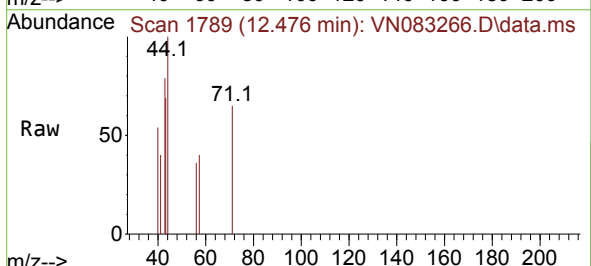
Ion Ratio Lower Upper

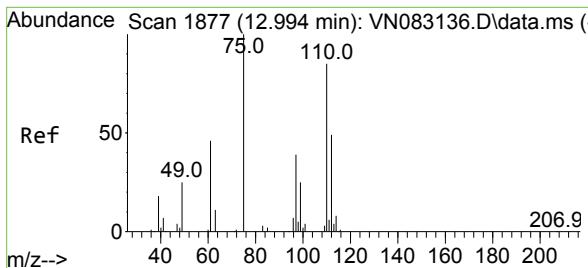
43 100

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: 27.649 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

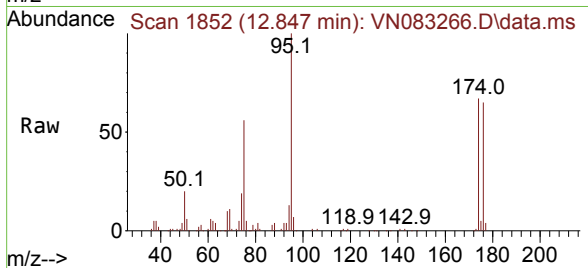
Lab File: VN083266.D

Acq: 13 Aug 2024 18:33

Instrument :

MSVOA_N

ClientSampleId :

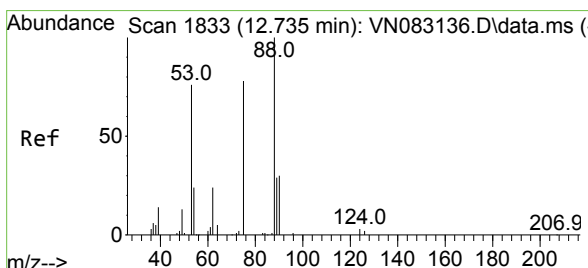
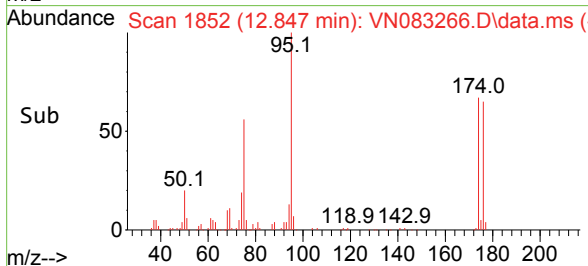
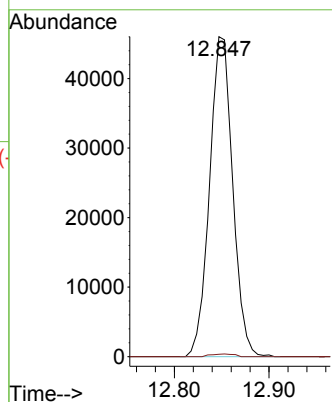


Tgt Ion: 75 Resp: 78239

Ion Ratio Lower Upper

75 100

77 0.8 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.143 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083266.D

Acq: 13 Aug 2024 18:33

Tgt Ion: 75 Resp: 78239

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#

