

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061324\
 Data File : VN082565.D
 Acq On : 13 Jun 2024 17:33
 Operator : JC\MD
 Sample : P2853-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 13

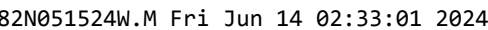
Quant Time: Jun 14 02:32:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	160679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	314825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	314538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	127448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	134482	53.005	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.000%	
35) Dibromofluoromethane	8.171	113	99598	51.428	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.860%	
50) Toluene-d8	10.570	98	380257	51.213	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.420%	
62) 4-Bromofluorobenzene	12.853	95	124286	46.898	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 93.800%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	1985	4.874	ug/l #	71
16) Acetone	4.430	43	22406	21.528	ug/l	90
18) Methyl Acetate	5.036	43	4159	1.605	ug/l #	65
20) Methylene Chloride	5.277	84	12067	5.746	ug/l #	80
25) 2-Butanone	7.494	43	11730	7.433	ug/l #	87
29) Tetrahydrofuran	7.841	42	465	0.459	ug/l #	29
31) Cyclohexane	8.229	56	4300	1.061	ug/l #	37
36) 1,1-Dichloropropene	8.224	75	15537	4.783	ug/l #	46
37) Ethyl Acetate	7.565	43	5127	1.410	ug/l #	77
38) Carbon Tetrachloride	8.224	117	18128	5.506	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	1235	0.332	ug/l #	73
43) Isopropyl Acetate	8.688	43	301878	46.868	ug/l #	71
45) 1,2-Dichloropropane	9.741	63	1726	0.691	ug/l #	45
48) Methyl methacrylate	9.671	41	5548	1.808	ug/l #	36
49) 1,4-Dioxane	9.753	88	53	1.232	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	136757	37.370	ug/l #	43
52) Toluene	10.623	92	1352	0.233	ug/l	97
54) cis-1,3-Dichloropropene	10.359	75	52330	13.801	ug/l #	75
56) Ethyl methacrylate	10.982	69	2232	0.622	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6655	1.685	ug/l #	42
59) 2-Hexanone	11.170	43	152903	57.063	ug/l #	23
71) Bromoform	12.847	173	1130	1.313	ug/l #	28
74) N-amyl acetate	12.459	43	2317	0.416	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	73182	27.281	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73182	63.810	ug/l #	12

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

Quant Time: Jun 14 02:32:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
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QLast Update : Thu May 16 05:21:06 2024
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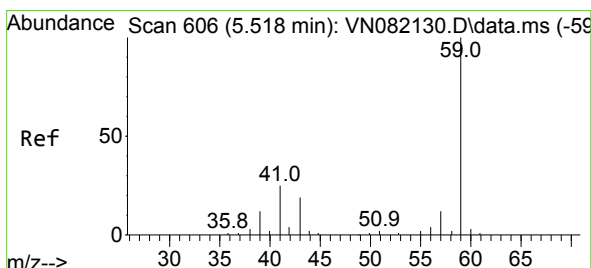
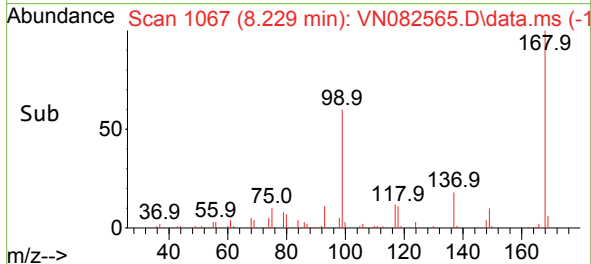
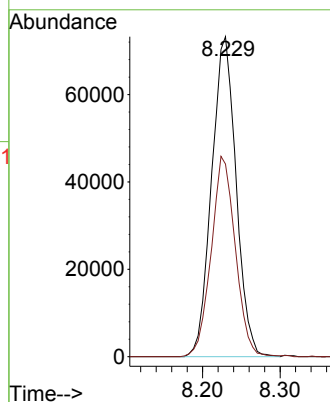
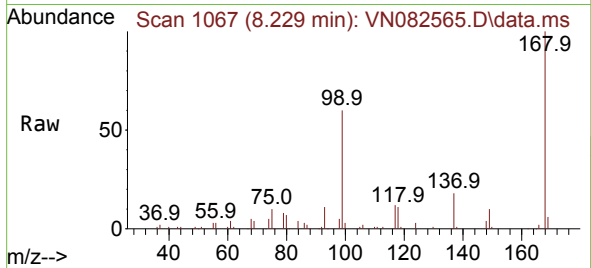




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN082565.D
Acq: 13 Jun 2024 17:33

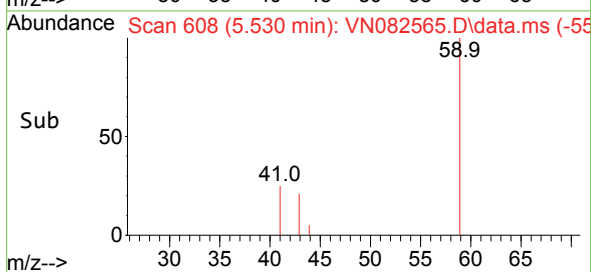
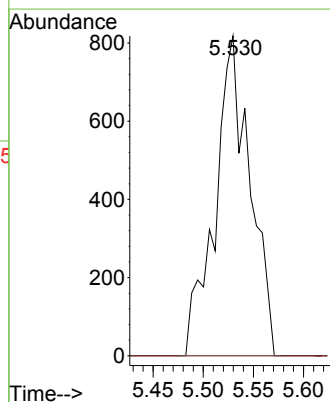
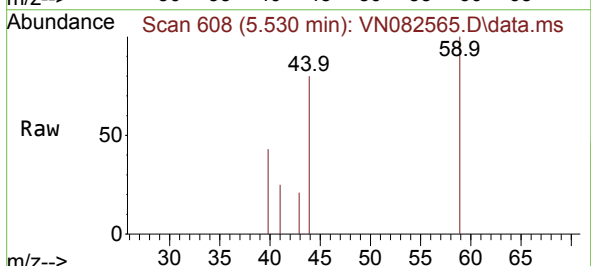
Instrument :
MSVOA_N
ClientSampleId :
13

Tgt Ion:168 Resp: 160679
Ion Ratio Lower Upper
168 100
99 60.2 48.2 72.4



#11
Tert butyl alcohol
Concen: 4.874 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.012 min
Lab File: VN082565.D
Acq: 13 Jun 2024 17:33

Tgt Ion: 59 Resp: 1985
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

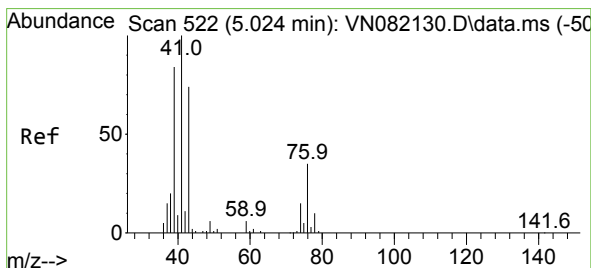
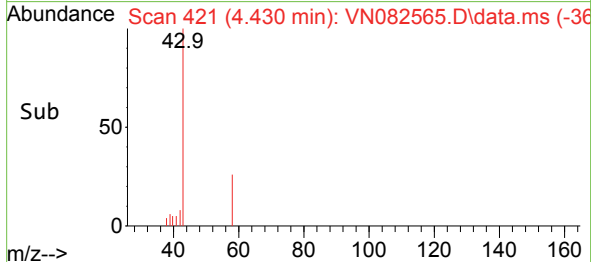
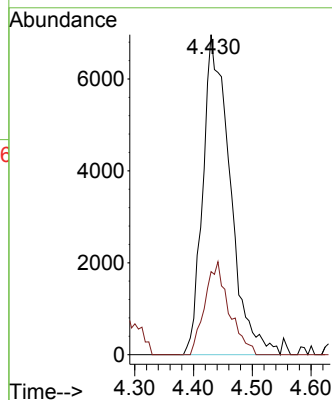
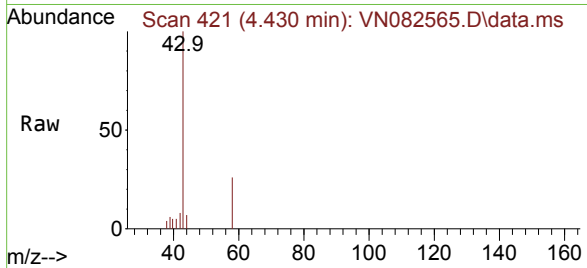




#16
Acetone
Concen: 21.528 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082565.D
Acq: 13 Jun 2024 17:33

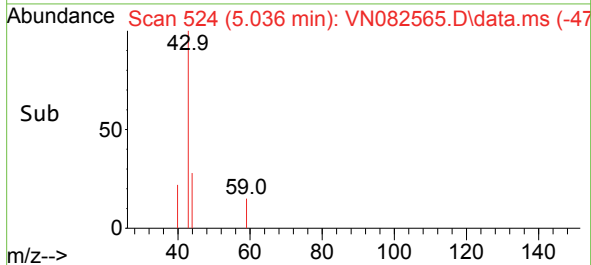
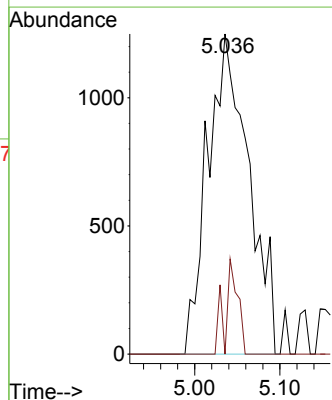
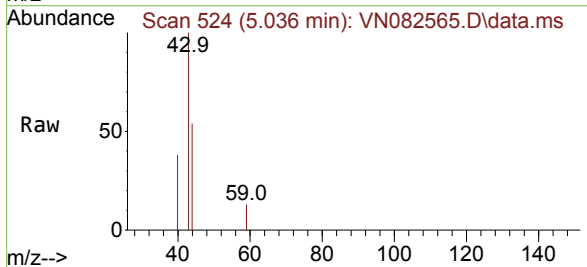
Instrument :
MSVOA_N
ClientSampleId :
13

Tgt Ion: 43 Resp: 22406
Ion Ratio Lower Upper
43 100
58 26.0 25.2 37.8



#18
Methyl Acetate
Concen: 1.605 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN082565.D
Acq: 13 Jun 2024 17:33

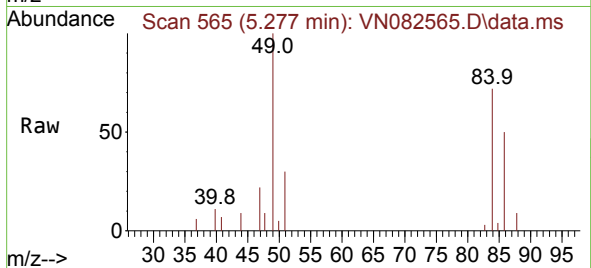
Tgt Ion: 43 Resp: 4159
Ion Ratio Lower Upper
43 100
74 9.3 22.2 33.2#



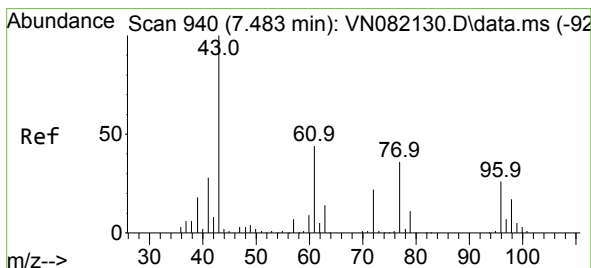
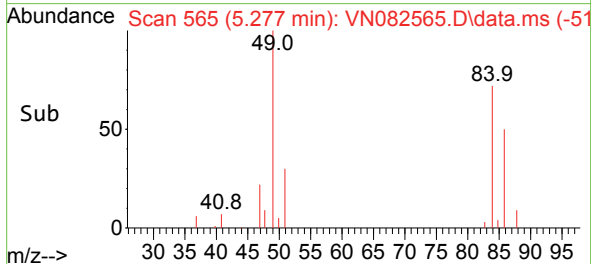
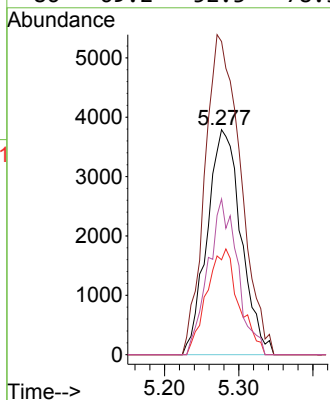


#20
Methylene Chloride
Concen: 5.746 ug/l
RT: 5.277 min Scan# 513
Delta R.T. -0.000 min
Lab File: VN082565.D
Acq: 13 Jun 2024 17:33

Instrument :
MSVOA_N
ClientSampleId :
13

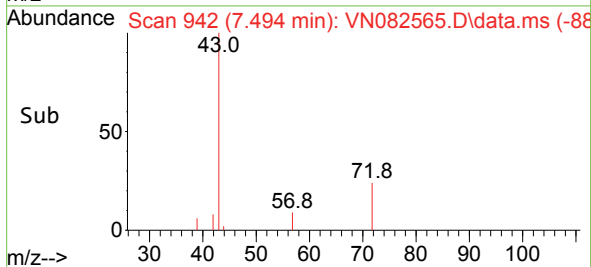
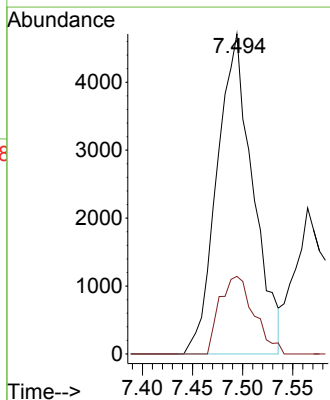
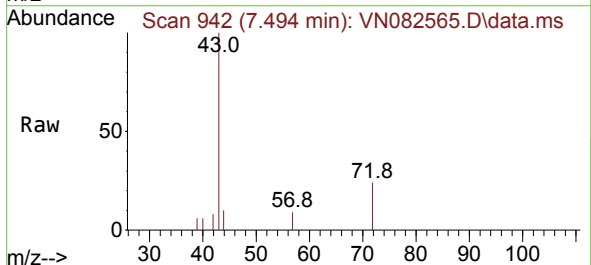


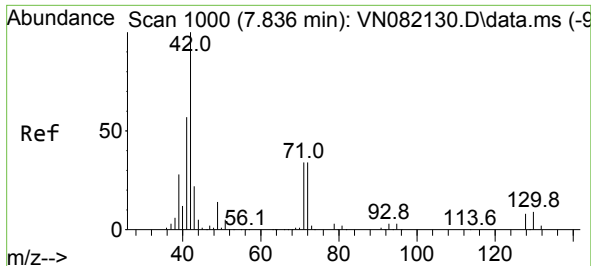
Tgt Ion:	84	Resp:	12067
Ion	Ratio	Lower	Upper
84	100		
49	139.2	84.9	127.3#
51	42.2	27.0	40.6#
86	69.2	52.3	78.5



#25
2-Butanone
Concen: 7.433 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN082565.D
Acq: 13 Jun 2024 17:33

Tgt Ion:	43	Resp:	11730
Ion	Ratio	Lower	Upper
43	100		
72	24.3	25.3	37.9#

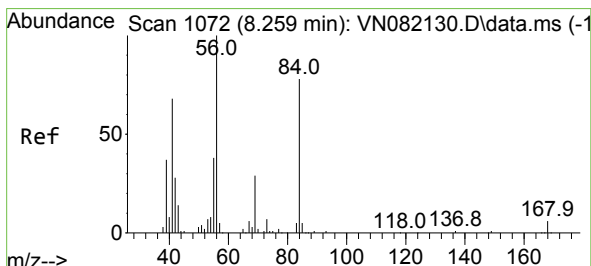
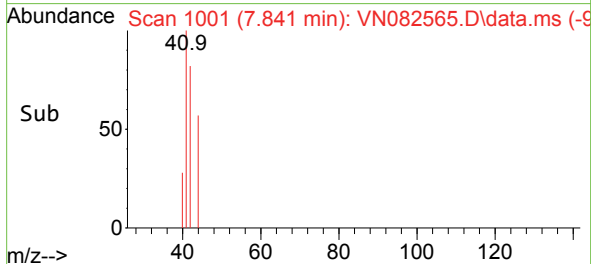
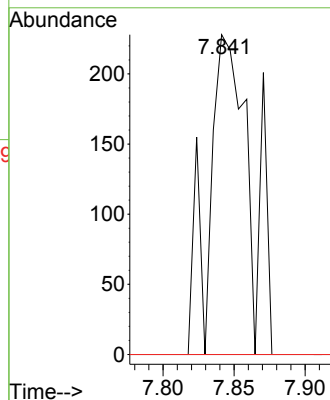
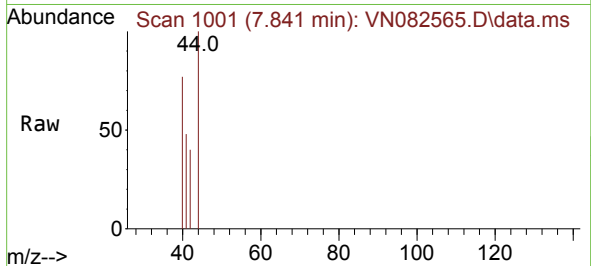




#29
Tetrahydrofuran
Concen: 0.459 ug/l
RT: 7.841 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN082565.D
Acq: 13 Jun 2024 17:33

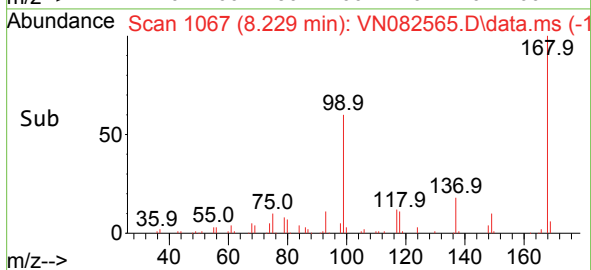
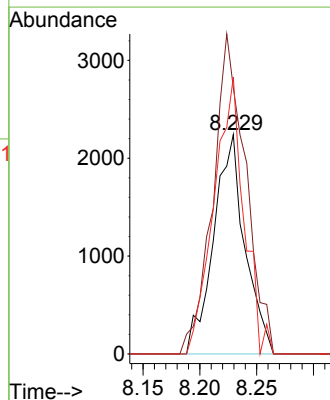
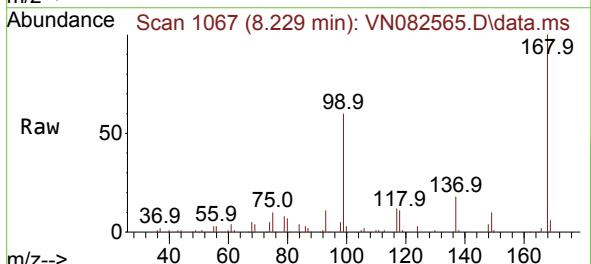
Instrument :
MSVOA_N
ClientSampleId :
13

Tgt Ion: 42 Resp: 465
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#



#31
Cyclohexane
Concen: 1.061 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN082565.D
Acq: 13 Jun 2024 17:33

Tgt Ion: 56 Resp: 4300
Ion Ratio Lower Upper
56 100
69 121.4 24.4 36.6#
84 126.3 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 53.005 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082565.D

Acq: 13 Jun 2024 17:33

Instrument :

MSVOA_N

ClientSampleId :

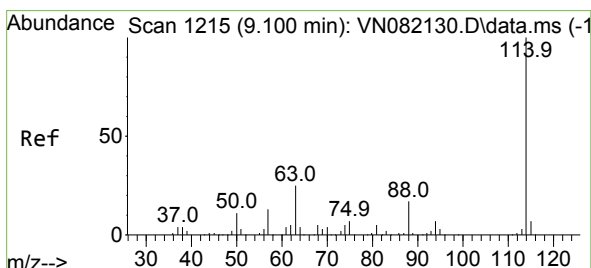
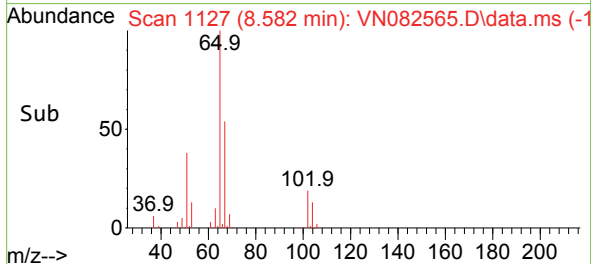
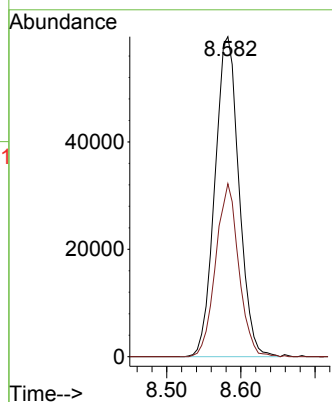
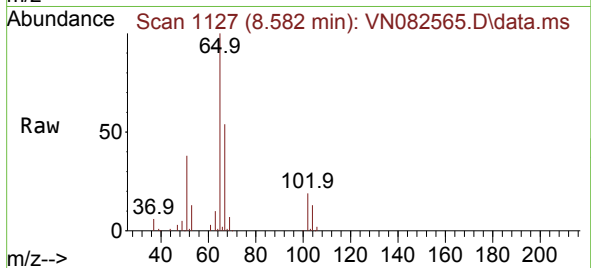
13

Tgt Ion: 65 Resp: 134482

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082565.D

Acq: 13 Jun 2024 17:33

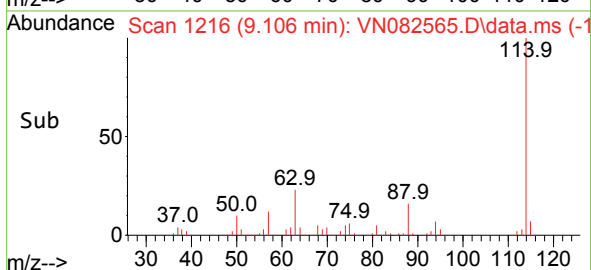
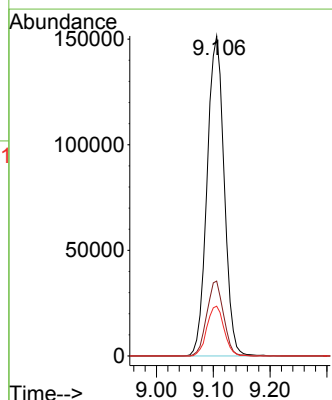
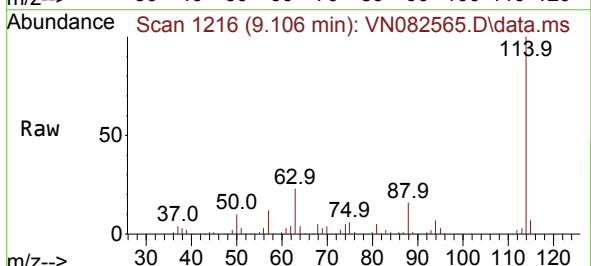
Tgt Ion: 114 Resp: 314825

Ion Ratio Lower Upper

114 100

63 23.4 0.0 41.0

88 15.6 0.0 31.4

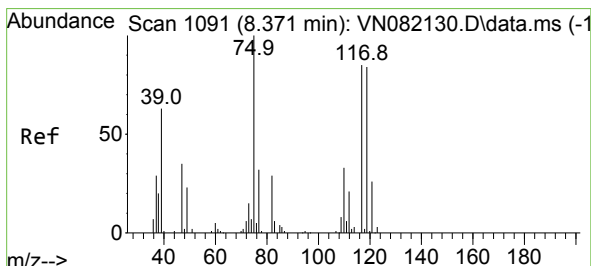
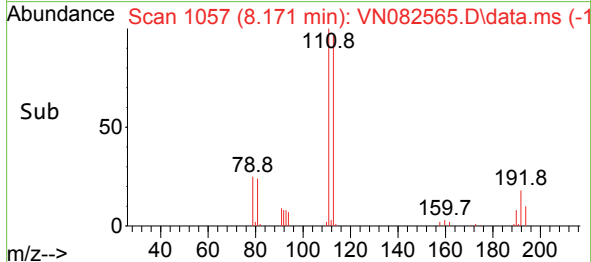
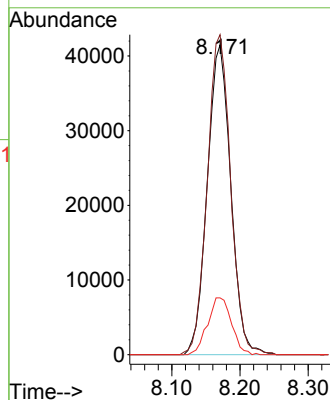
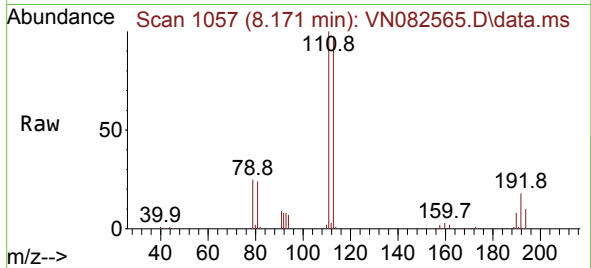




#35
Dibromofluoromethane
Concen: 51.428 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082565.D
Acq: 13 Jun 2024 17:33

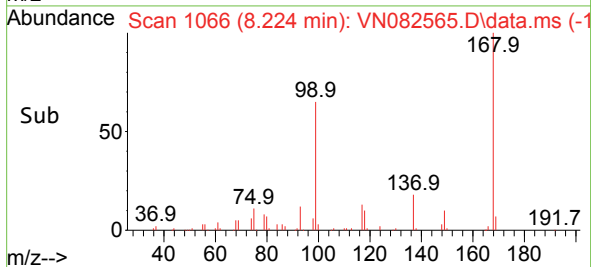
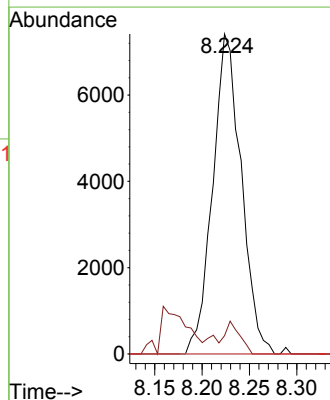
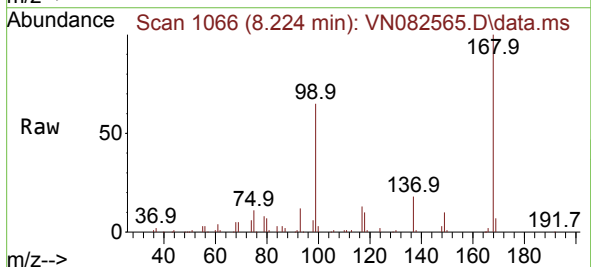
Instrument :
MSVOA_N
ClientSampleId :
13

Tgt Ion:113 Resp: 99598
Ion Ratio Lower Upper
113 100
111 102.7 83.4 125.2
192 18.7 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.783 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082565.D
Acq: 13 Jun 2024 17:33

Tgt Ion: 75 Resp: 15537
Ion Ratio Lower Upper
75 100
110 5.3 17.8 53.5#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.410 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN082565.D

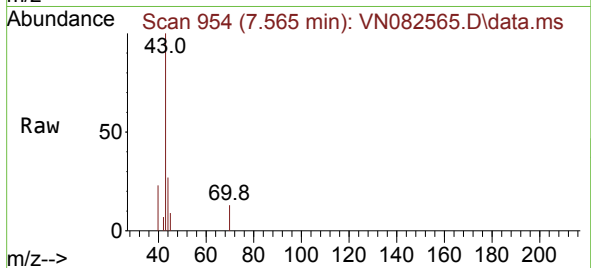
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Instrument :

MSVOA_N

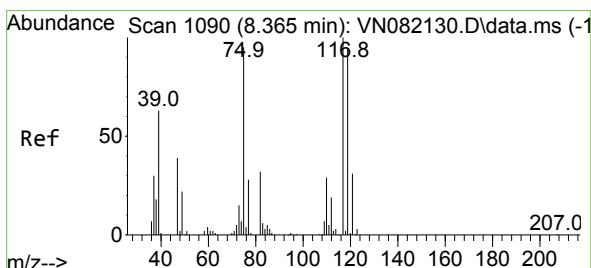
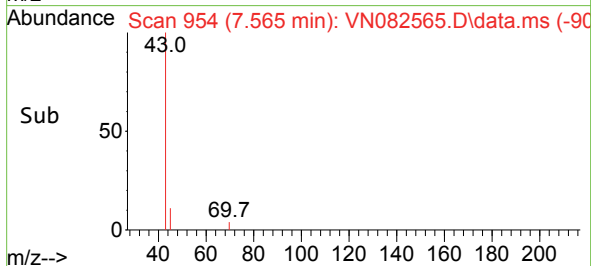
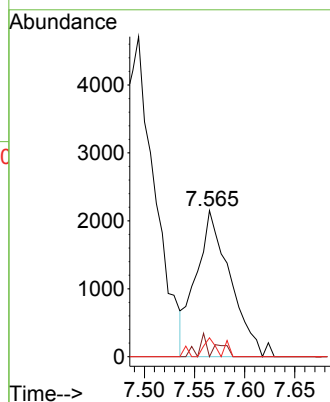
ClientSampleId :

13



Tgt Ion: 43 Resp: 5127

Ion	Ratio	Lower	Upper
43	100		
61	3.4	11.3	16.9#
70	4.1	8.7	13.1#



#38

Carbon Tetrachloride

Concen: 5.506 ug/l

RT: 8.224 min Scan# 1066

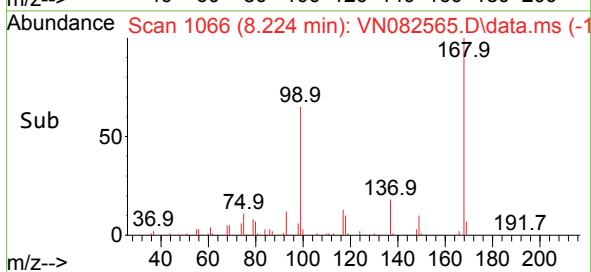
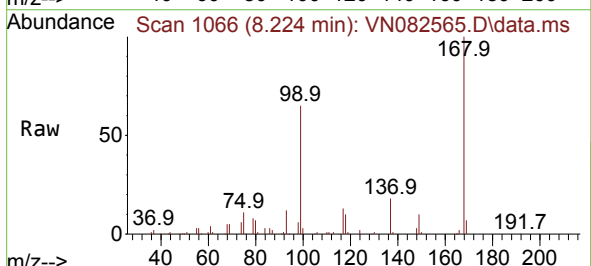
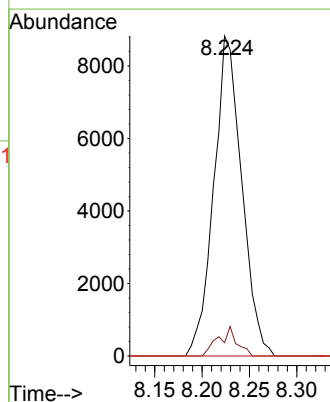
Delta R.T. -0.141 min

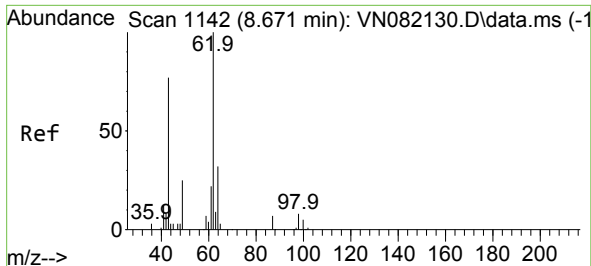
Lab File: VN082565.D

Acq: 13 Jun 2024 17:33

Tgt Ion: 117 Resp: 18128

Ion	Ratio	Lower	Upper
117	100		
119	4.2	76.5	114.7#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 0.332 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.023 min

Lab File: VN082565.D

Acq: 13 Jun 2024 17:33

Instrument :

MSVOA_N

ClientSampleId :

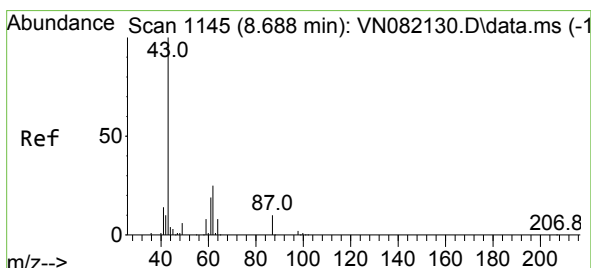
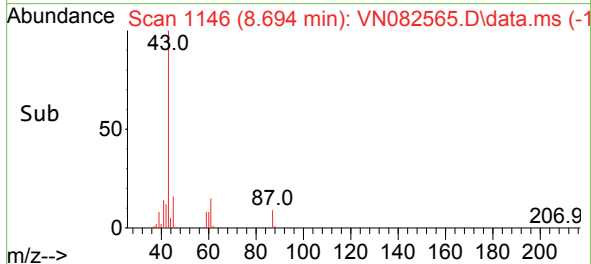
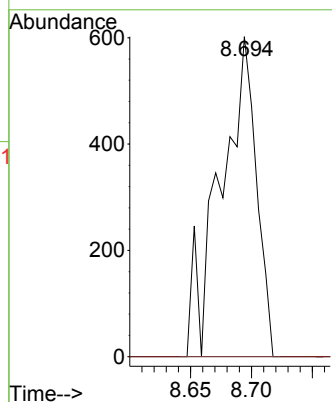
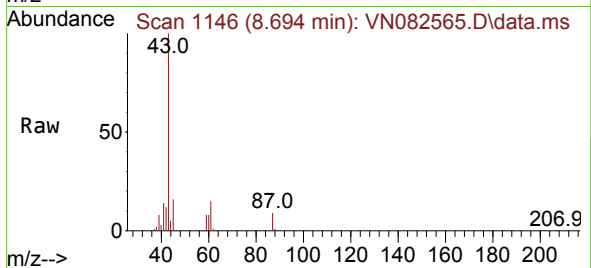
13

Tgt Ion: 62 Resp: 1235

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 46.868 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082565.D

Acq: 13 Jun 2024 17:33

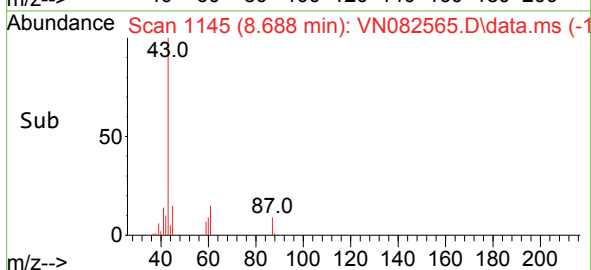
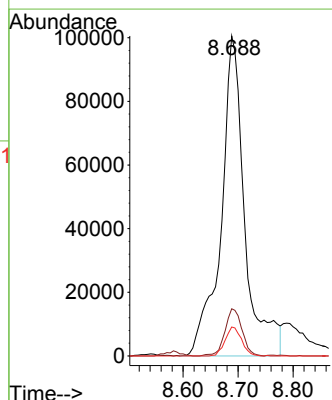
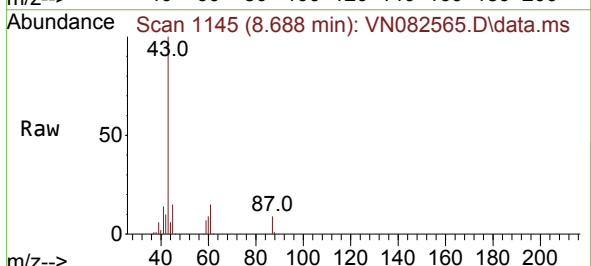
Tgt Ion: 43 Resp: 301878

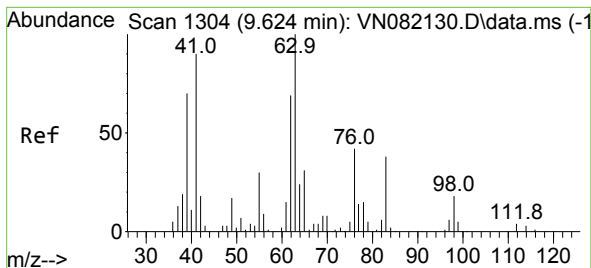
Ion Ratio Lower Upper

43 100

61 10.6 22.8 34.2#

87 6.2 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.691 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.117 min

Lab File: VN082565.D

Acq: 13 Jun 2024 17:33

Instrument :

MSVOA_N

ClientSampleId :

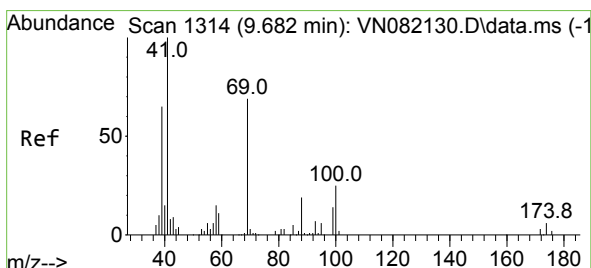
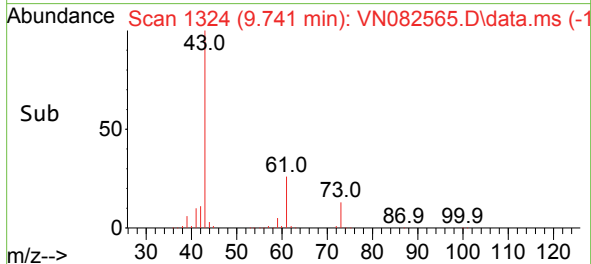
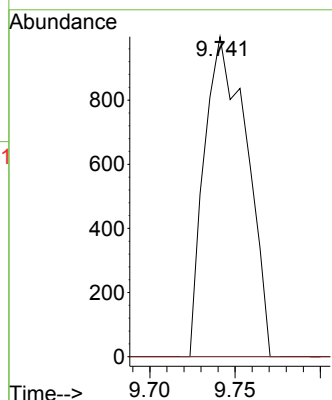
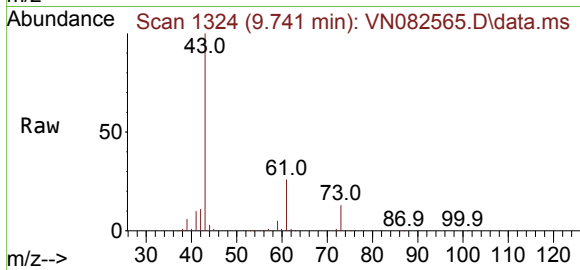
13

Tgt Ion: 63 Resp: 1726

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.808 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN082565.D

Acq: 13 Jun 2024 17:33

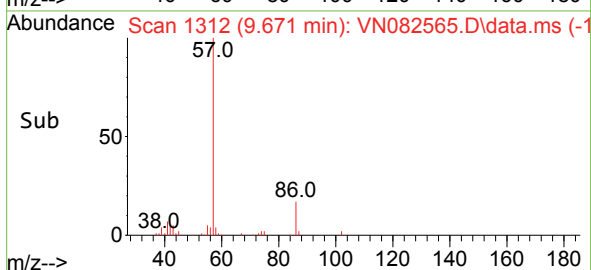
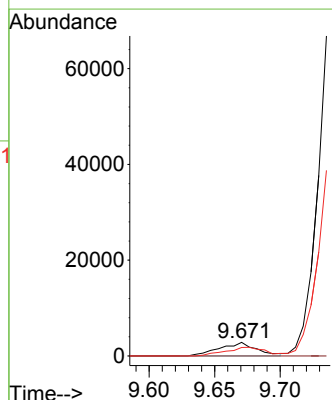
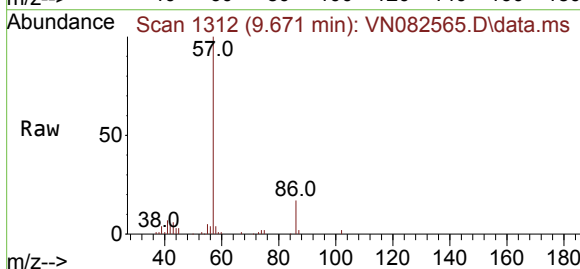
Tgt Ion: 41 Resp: 5548

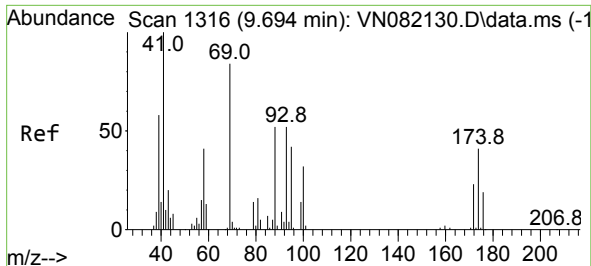
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 72.4 50.9 76.3





#49

1,4-Dioxane

Concen: 1.232 ug/l

RT: 9.753 min Scan# 11

Delta R.T. 0.059 min

Lab File: VN082565.D

Acq: 13 Jun 2024 17:33

Instrument :

MSVOA_N

ClientSampleId :

13

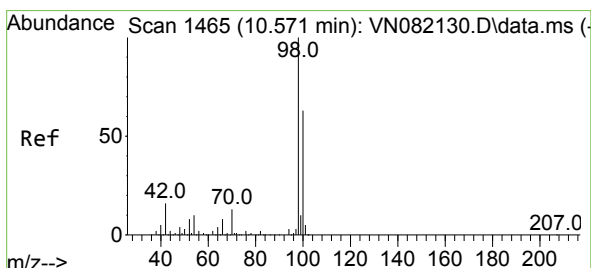
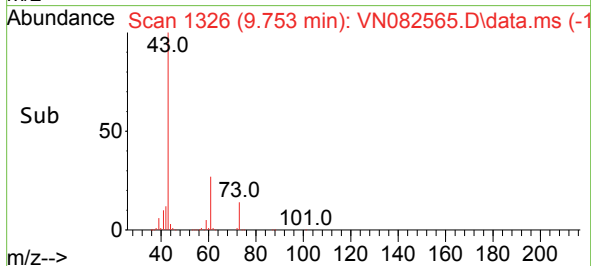
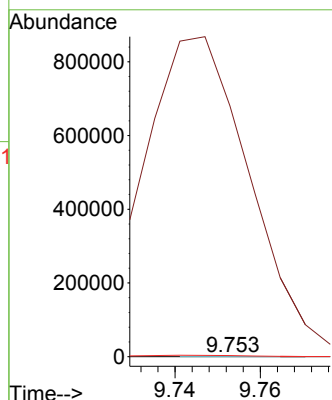
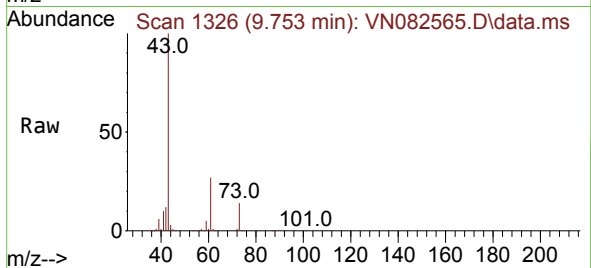
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 2974850.9 19.0 28.6#

58 14118.9 50.6 76.0#



#50

Toluene-d8

Concen: 51.213 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082565.D

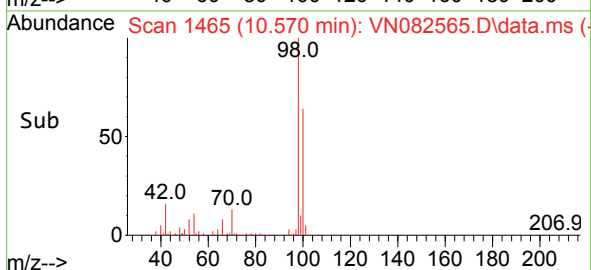
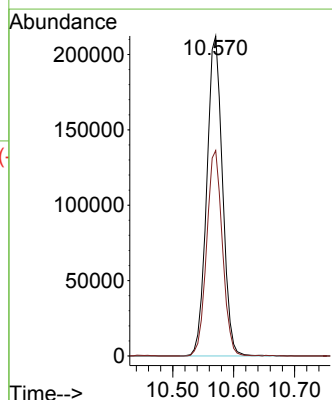
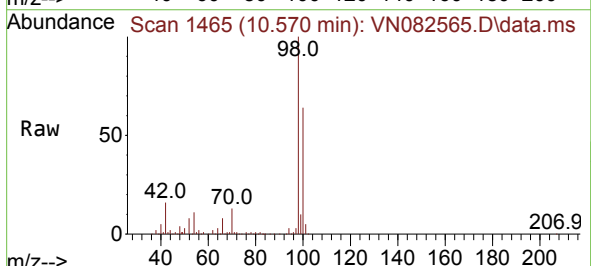
Acq: 13 Jun 2024 17:33

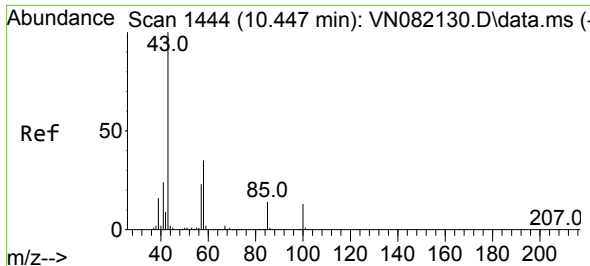
Tgt Ion: 98 Resp: 380257

Ion Ratio Lower Upper

98 100

100 64.2 51.8 77.6

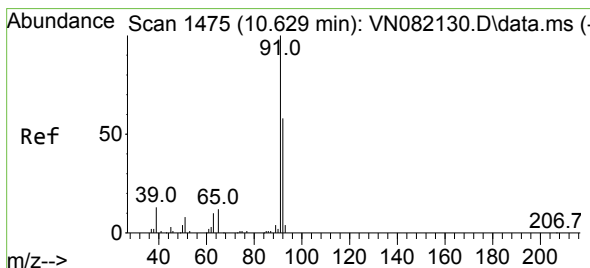
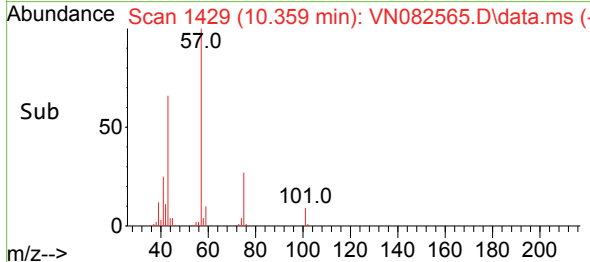
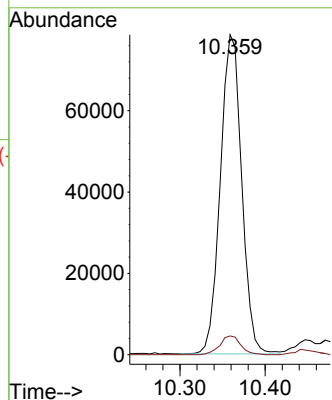
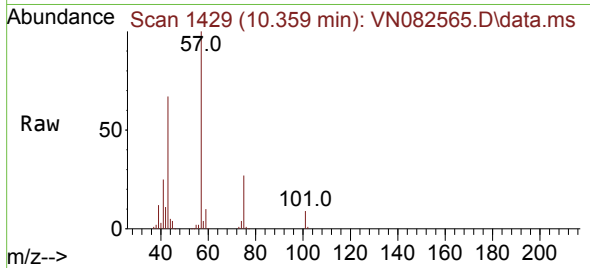




#51
4-Methyl-2-Pentanone
Concen: 37.370 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082565.D
Acq: 13 Jun 2024 17:33

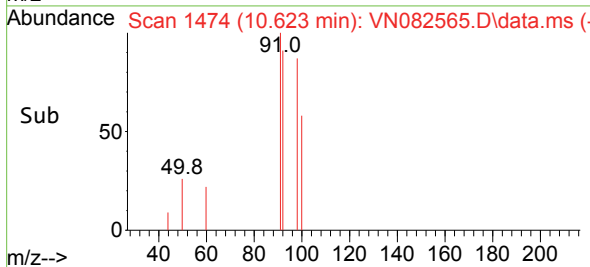
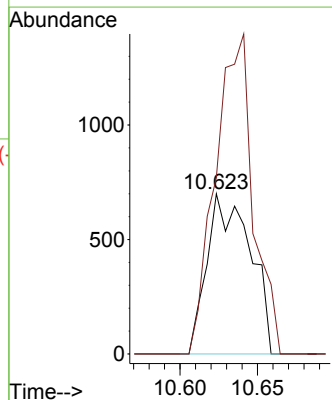
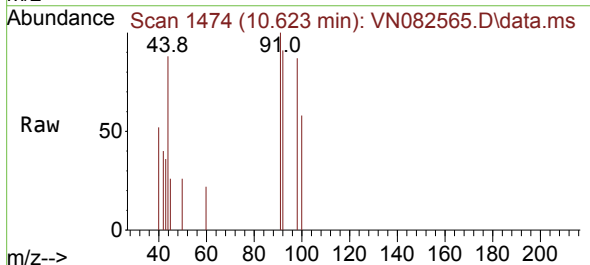
Instrument :
MSVOA_N
ClientSampleId :
13

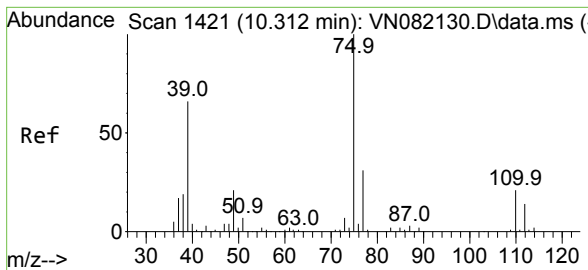
Tgt Ion: 43 Resp: 136757
Ion Ratio Lower Upper
43 100
58 5.8 33.2 49.8#



#52
Toluene
Concen: 0.233 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN082565.D
Acq: 13 Jun 2024 17:33

Tgt Ion: 92 Resp: 1352
Ion Ratio Lower Upper
92 100
91 175.3 136.7 205.1

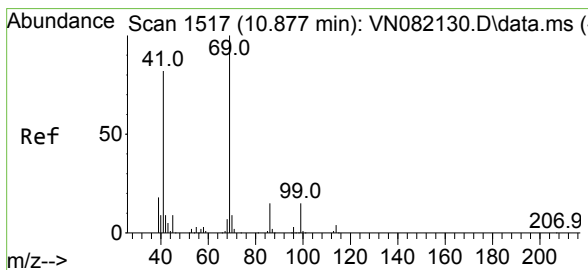
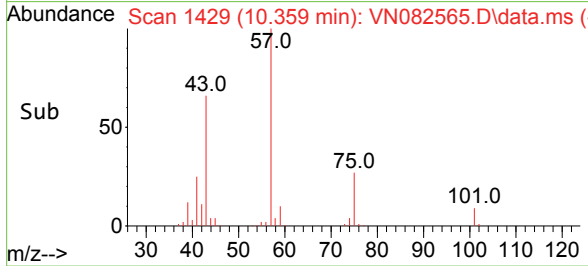
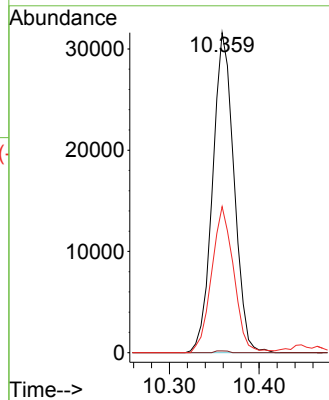
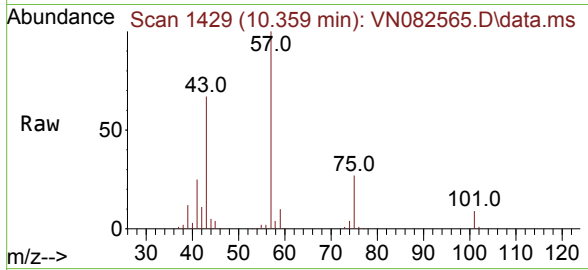




#54
cis-1,3-Dichloropropene
Concen: 13.801 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082565.D
Acq: 13 Jun 2024 17:33

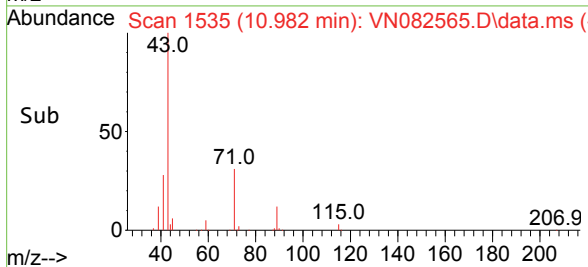
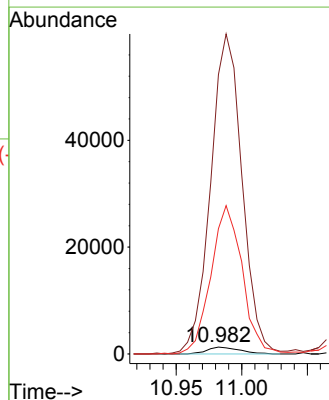
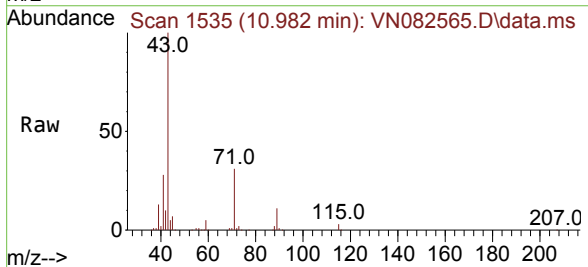
Instrument :
MSVOA_N
ClientSampleId :
13

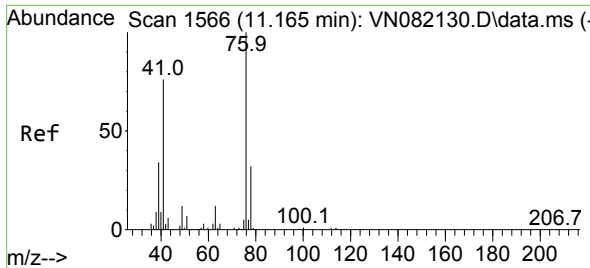
Tgt Ion:	75	Resp:	52330
Ion	Ratio	Lower	Upper
75	100		
77	0.5	25.0	37.4#
39	45.6	34.8	52.2



#56
Ethyl methacrylate
Concen: 0.622 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082565.D
Acq: 13 Jun 2024 17:33

Tgt Ion:	69	Resp:	2232
Ion	Ratio	Lower	Upper
69	100		
41	4486.4	46.6	70.0#
39	2071.0	26.5	39.7#

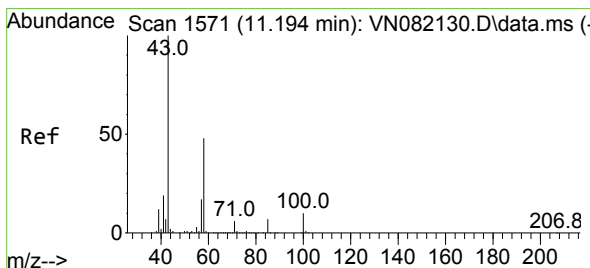
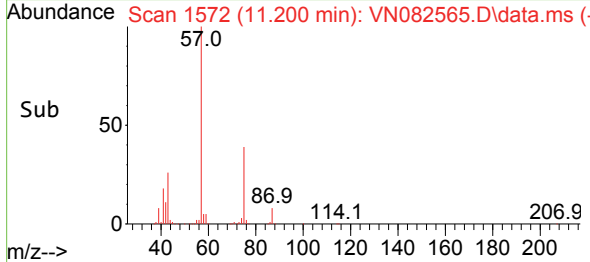
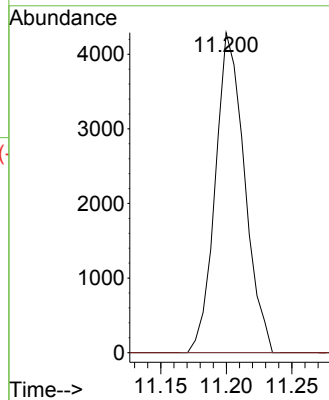
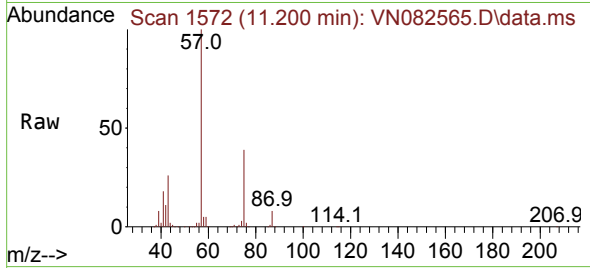




#57
1,3-Dichloropropane
Concen: 1.685 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN082565.D
Acq: 13 Jun 2024 17:33

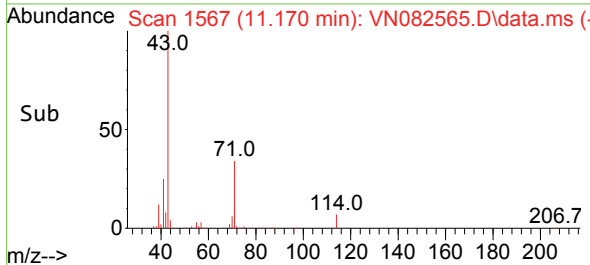
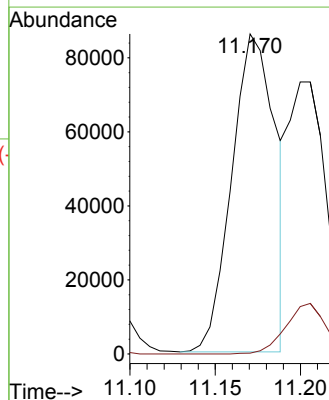
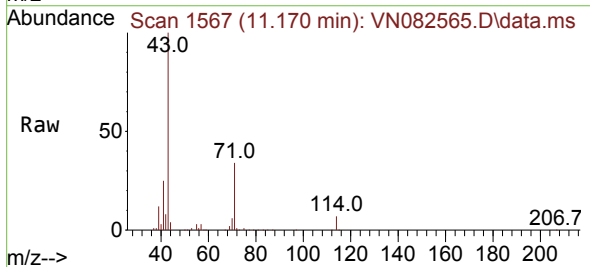
Instrument :
MSVOA_N
ClientSampleId :
13

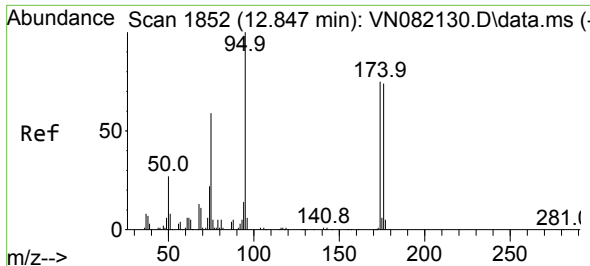
Tgt Ion: 76 Resp: 6655
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 57.063 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN082565.D
Acq: 13 Jun 2024 17:33

Tgt Ion: 43 Resp: 152903
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#

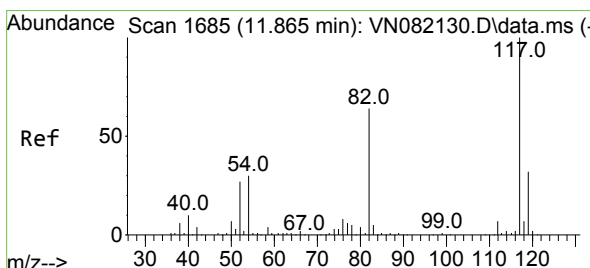
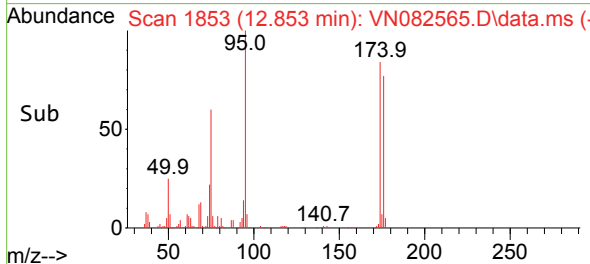
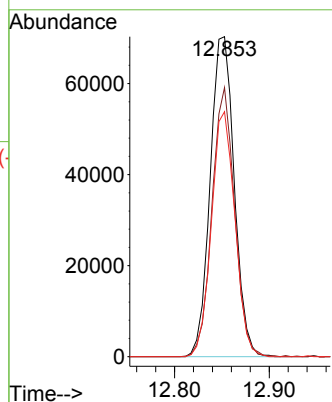
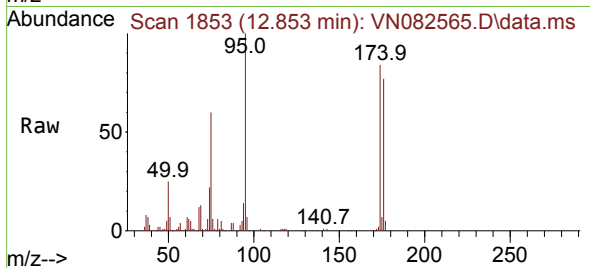




#62
4-Bromofluorobenzene
Concen: 46.898 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082565.D
Acq: 13 Jun 2024 17:33

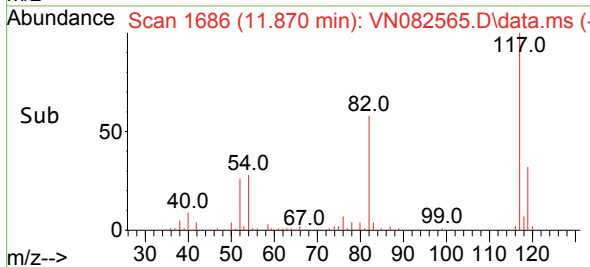
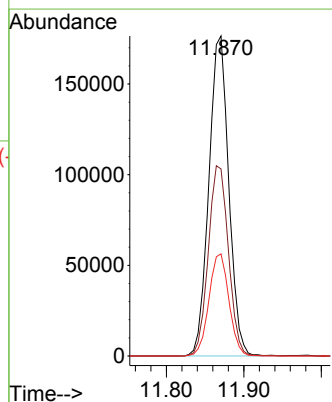
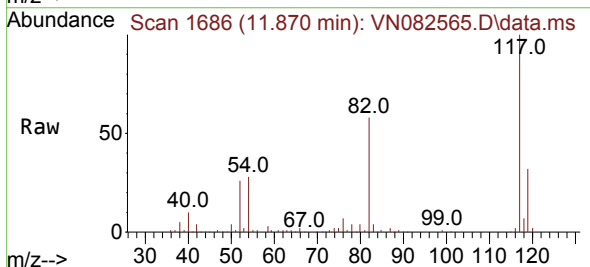
Instrument :
MSVOA_N
ClientSampleId :
13

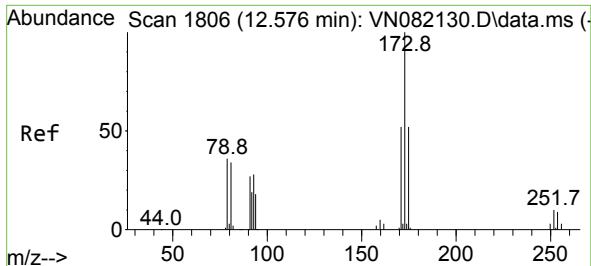
Tgt Ion: 95 Resp: 124286
Ion Ratio Lower Upper
95 100
174 79.2 0.0 160.6
176 74.9 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082565.D
Acq: 13 Jun 2024 17:33

Tgt Ion: 117 Resp: 314538
Ion Ratio Lower Upper
117 100
82 58.5 44.6 66.8
119 31.9 25.9 38.9

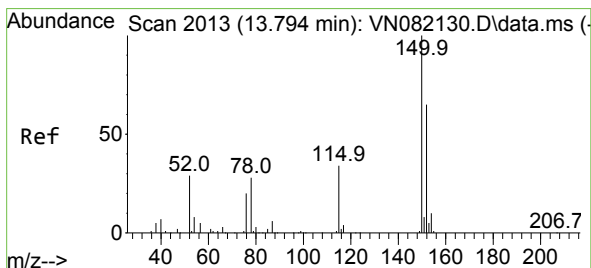
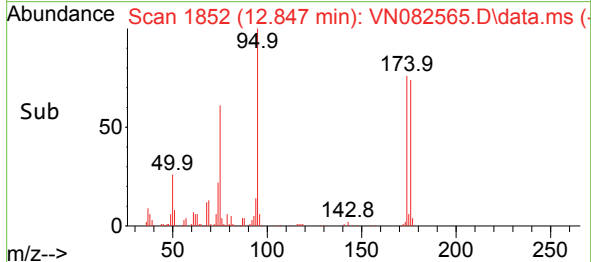
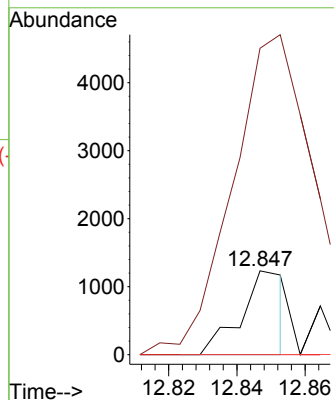
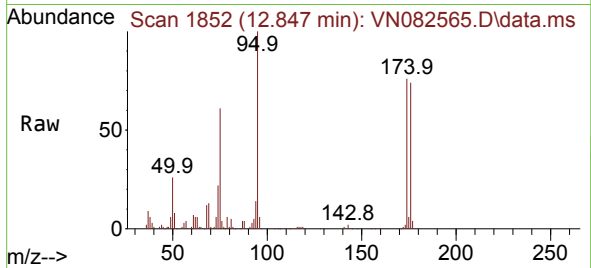




#71
Bromoform
Concen: 1.313 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN082565.D
Acq: 13 Jun 2024 17:33

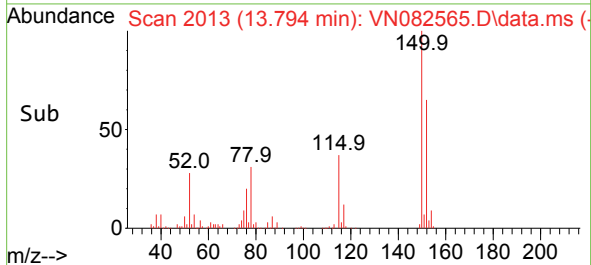
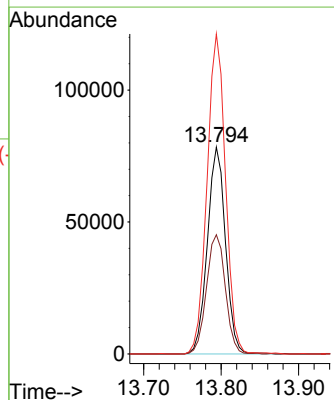
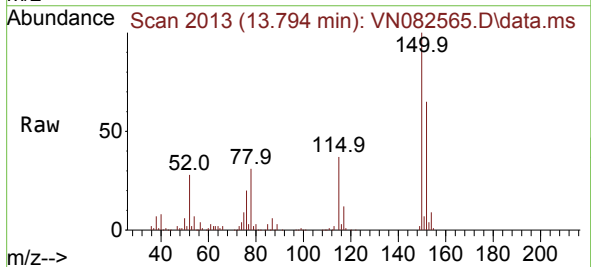
Instrument :
MSVOA_N
ClientSampleId :
13

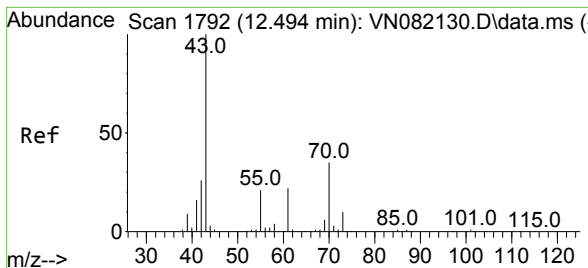
Tgt Ion:173 Resp: 1130
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082565.D
Acq: 13 Jun 2024 17:33

Tgt Ion:152 Resp: 127448
Ion Ratio Lower Upper
152 100
115 60.0 30.4 91.3
150 157.3 0.0 353.2





#74

N-amy1 acetate

Concen: 0.416 ug/l

RT: 12.459 min Scan# 1

Delta R.T. -0.035 min

Lab File: VN082565.D

Acq: 13 Jun 2024 17:33

Instrument :

MSVOA_N

ClientSampleId :

13

Tgt Ion: 43 Resp: 2317

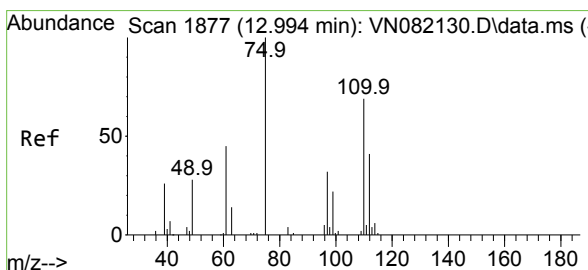
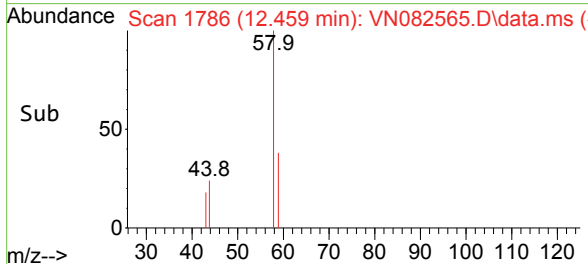
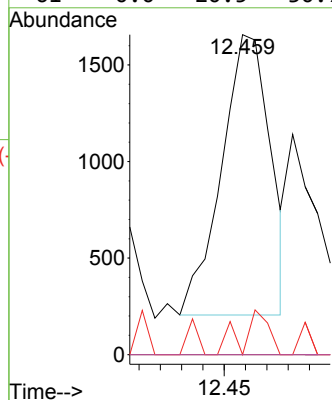
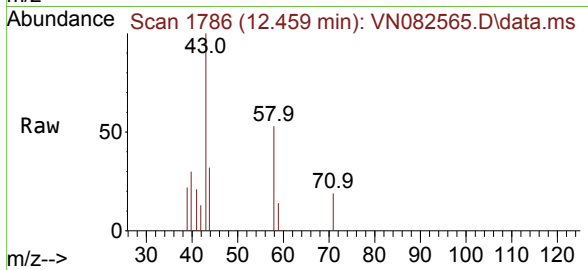
Ion Ratio Lower Upper

43 100

70 0.0 39.0 58.4#

55 8.6 21.3 31.9#

61 0.0 20.5 30.7#



#76

1,2,3-Trichloropropane

Concen: 27.281 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082565.D

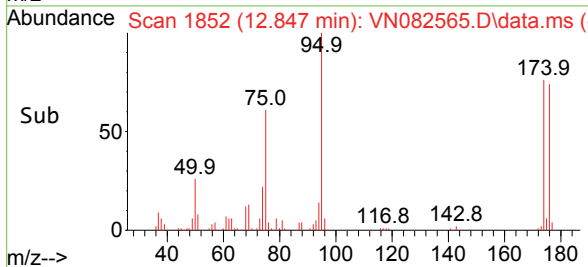
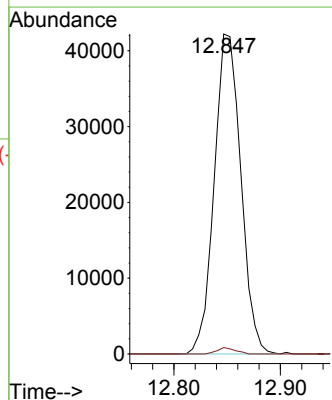
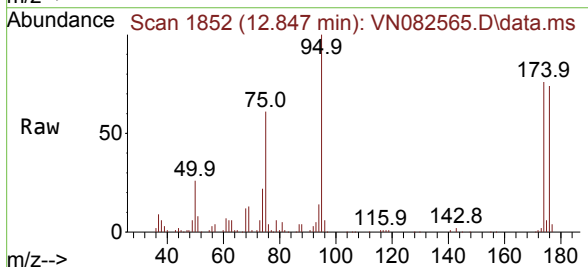
Acq: 13 Jun 2024 17:33

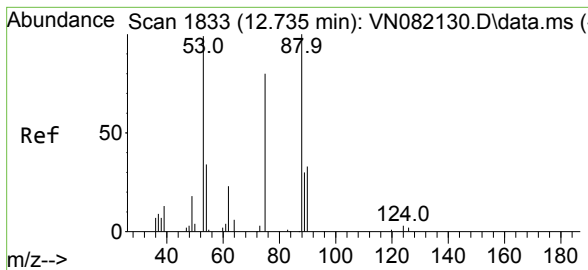
Tgt Ion: 75 Resp: 73182

Ion Ratio Lower Upper

75 100

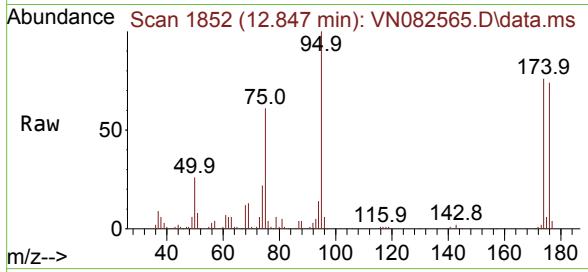
77 1.3 90.5 271.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 63.810 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN082565.D
Acq: 13 Jun 2024 17:33

Instrument :
MSVOA_N
ClientSampleId :
13



Tgt Ion: 75 Resp: 73182
Ion Ratio Lower Upper
75 100
53 0.1 72.9 109.3#
89 0.0 39.1 58.7#

