

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081224\
 Data File : VN083234.D
 Acq On : 12 Aug 2024 13:47
 Operator : JC\MD
 Sample : PB162664ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 13 04:17:55 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)

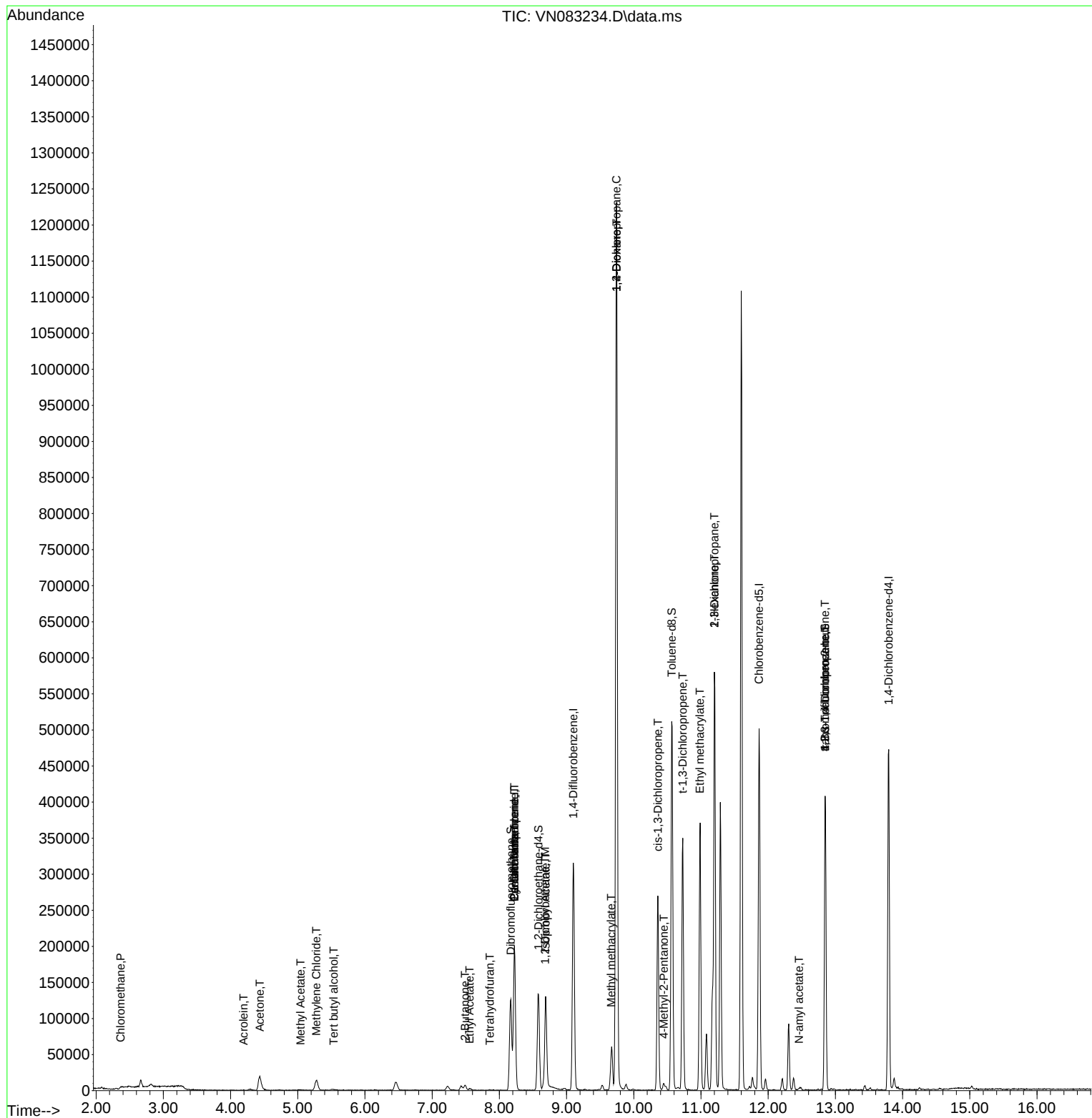
Internal Standards						
1) Pentafluorobenzene	8.224	168	135266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	265142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	125087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	115040	59.750	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.500%	
35) Dibromofluoromethane	8.171	113	90472	54.667	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.340%	
50) Toluene-d8	10.565	98	352080	57.032	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 114.060%#	
62) 4-Bromofluorobenzene	12.847	95	146036	60.678	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 121.360%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	356	0.227	ug/l #	43
11) Tert butyl alcohol	5.536	59	2308	5.768	ug/l #	78
13) Acrolein	4.194	56	59	0.226	ug/l #	14
16) Acetone	4.436	43	38455	51.043	ug/l	100
18) Methyl Acetate	5.041	43	1799	0.801	ug/l #	63
20) Methylene Chloride	5.277	84	10860	6.263	ug/l	80
25) 2-Butanone	7.488	43	11720	10.131	ug/l	95
29) Tetrahydrofuran	7.859	42	344	0.460	ug/l #	38
31) Cyclohexane	8.224	56	3515	1.232	ug/l #	34
36) 1,1-Dichloropropene	8.224	75	12298	4.912	ug/l #	50
37) Ethyl Acetate	7.559	43	4483	1.599	ug/l #	81
38) Carbon Tetrachloride	8.224	117	15940	5.653	ug/l #	16
42) 1,2-Dichloroethane	8.682	62	959	0.353	ug/l #	78
43) Isopropyl Acetate	8.688	43	154659	30.780	ug/l #	91
45) 1,2-Dichloropropane	9.741	63	1682	0.950	ug/l #	44
48) Methyl methacrylate	9.665	41	4295	1.853	ug/l #	55
49) 1,4-Dioxane	9.747	88	56	1.339	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	6303	2.378	ug/l	95
53) t-1,3-Dichloropropene	10.729	75	899	0.308	ug/l	93
54) cis-1,3-Dichloropropene	10.359	75	48952	15.747	ug/l #	54
56) Ethyl methacrylate	10.982	69	969	0.304	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5928	1.969	ug/l #	43
59) 2-Hexanone	11.200	43	82545	40.252	ug/l #	61
74) N-amyl acetate	12.459	43	1573	0.307	ug/l #	49
76) 1,2,3-Trichloropropane	12.847	75	80318	29.256	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80318	63.639	ug/l #	6

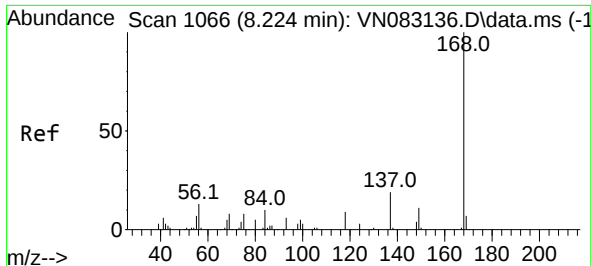
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN083234.D
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
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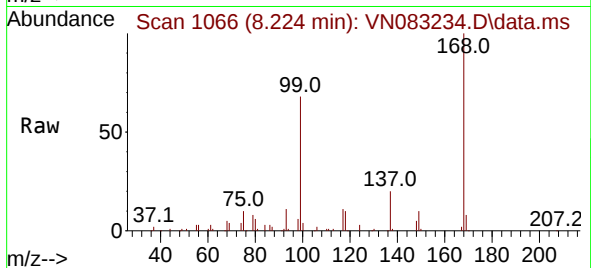
Quant Time: Aug 13 04:17:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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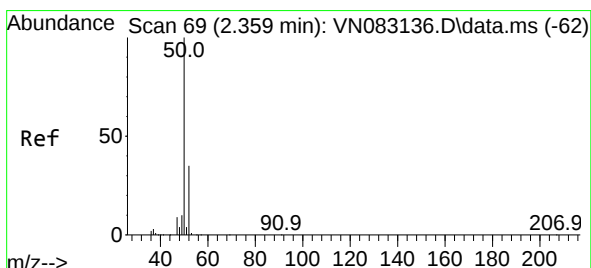
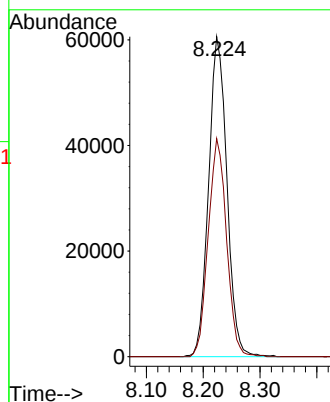
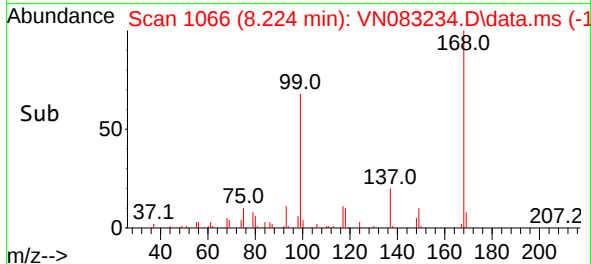


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083234.D
Acq: 12 Aug 2024 13:47

Instrument :
MSVOA_N
ClientSampleId :

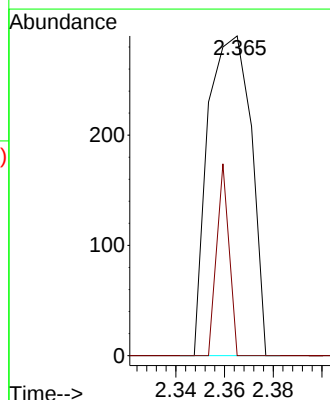
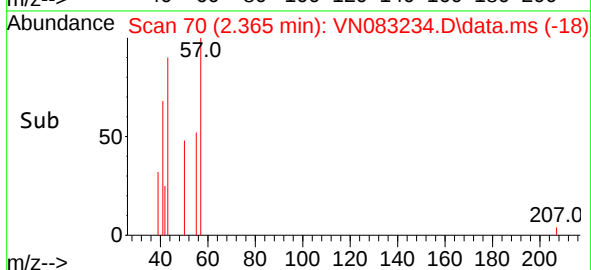
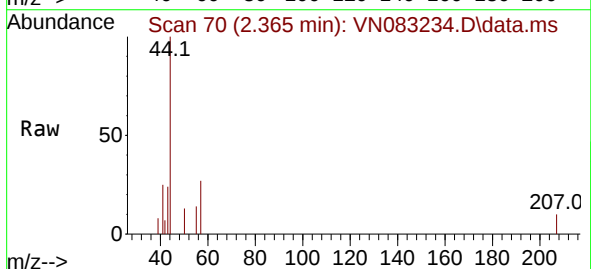


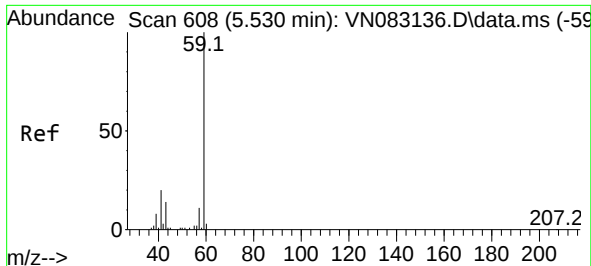
Tgt Ion:168 Resp: 135266
Ion Ratio Lower Upper
168 100
99 68.1 48.2 72.4



#3
Chloromethane
Concen: 0.227 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083234.D
Acq: 12 Aug 2024 13:47

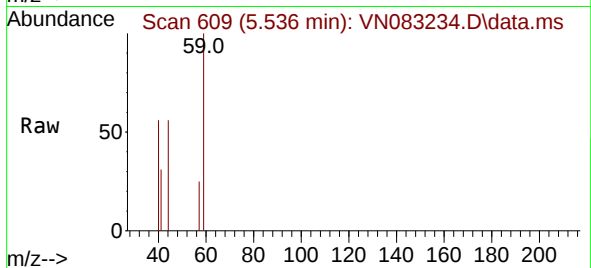
Tgt Ion: 50 Resp: 356
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



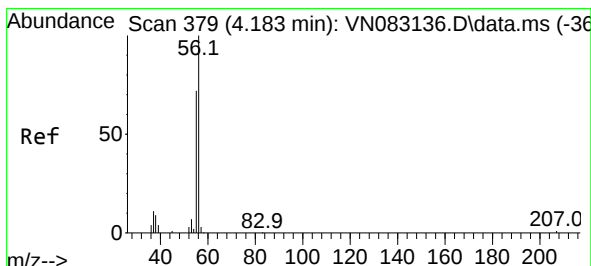
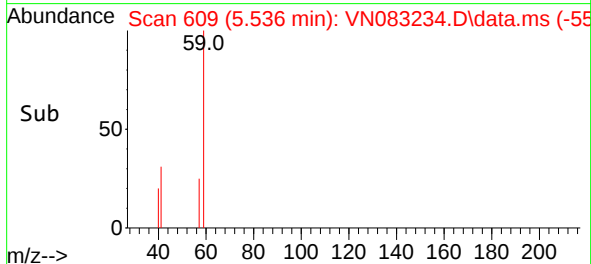
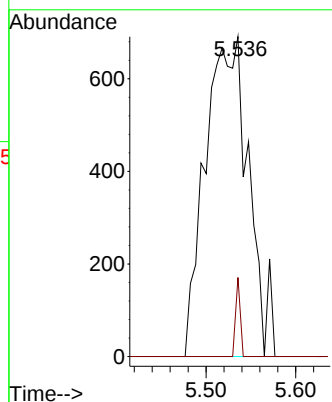


#11
Tert butyl alcohol
Concen: 5.768 ug/l
RT: 5.536 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN083234.D
Acq: 12 Aug 2024 13:47

Instrument :
MSVOA_N
ClientSampleId :

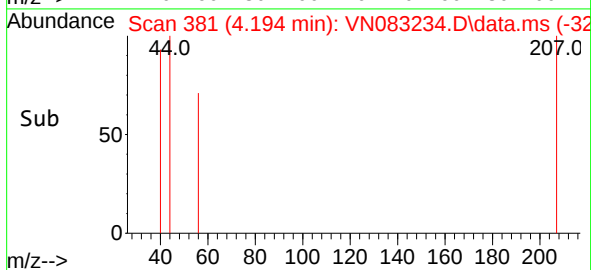
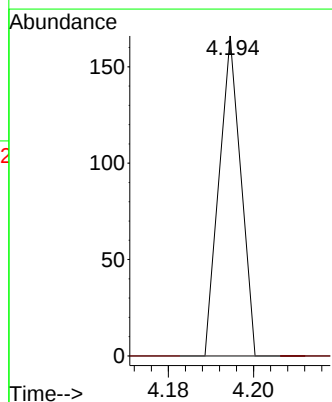
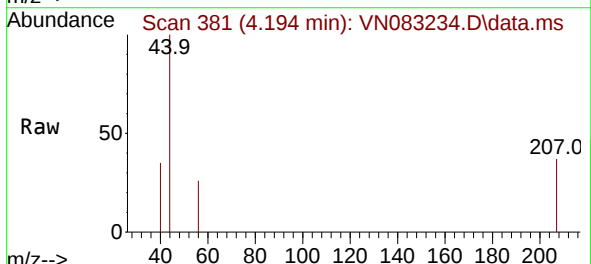


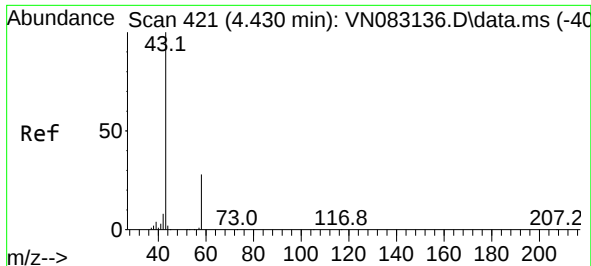
Tgt Ion: 59 Resp: 2308
Ion Ratio Lower Upper
59 100
57 2.6 8.9 13.3#



#13
Acrolein
Concen: 0.226 ug/l
RT: 4.194 min Scan# 381
Delta R.T. 0.012 min
Lab File: VN083234.D
Acq: 12 Aug 2024 13:47

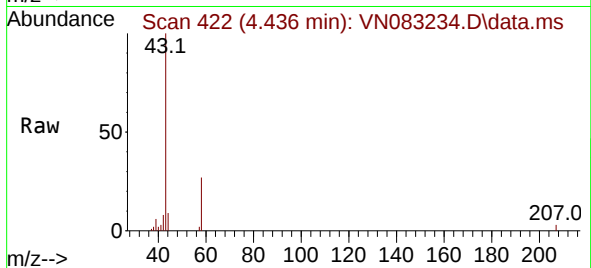
Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



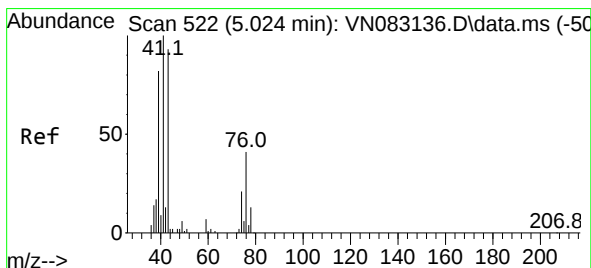
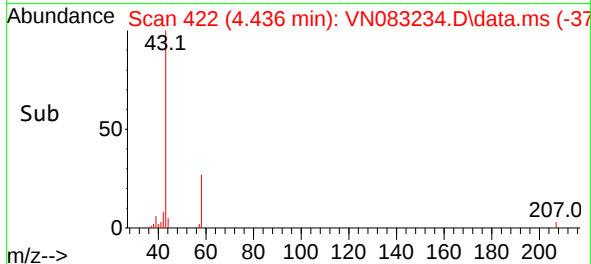
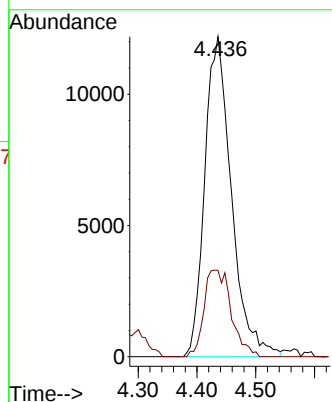


#16
Acetone
Concen: 51.043 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083234.D
Acq: 12 Aug 2024 13:47

Instrument :
MSVOA_N
ClientSampleId :

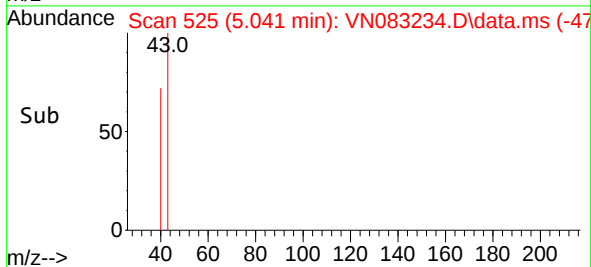
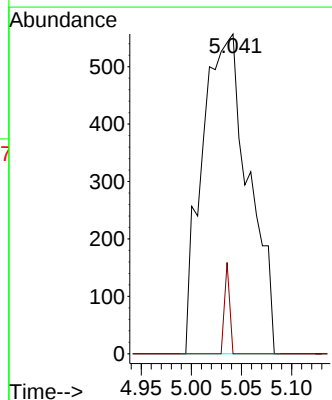
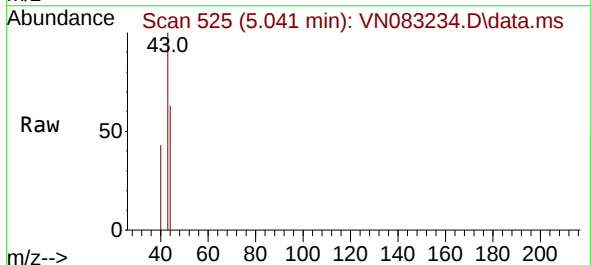


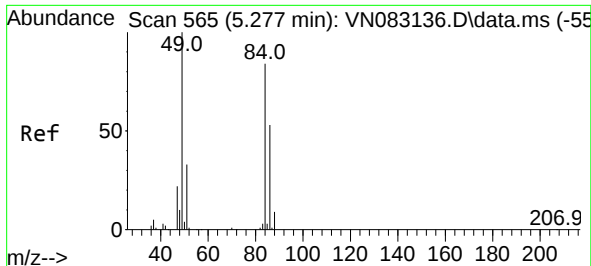
Tgt Ion: 43 Resp: 38455
Ion Ratio Lower Upper
43 100
58 27.0 21.8 32.6



#18
Methyl Acetate
Concen: 0.801 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.018 min
Lab File: VN083234.D
Acq: 12 Aug 2024 13:47

Tgt Ion: 43 Resp: 1799
Ion Ratio Lower Upper
43 100
74 3.1 16.3 24.5#





#20

Methylene Chloride

Concen: 6.263 ug/l

RT: 5.277 min Scan# 5

Delta R.T. -0.000 min

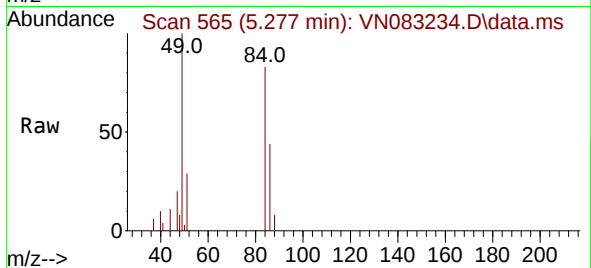
Lab File: VN083234.D

Acq: 12 Aug 2024 13:47

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 10860

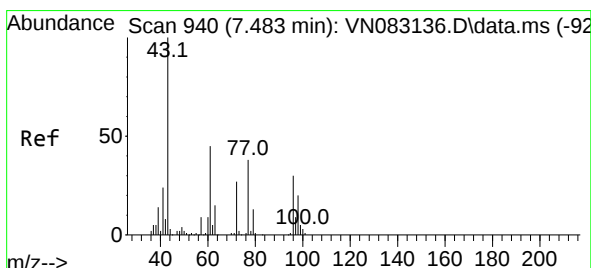
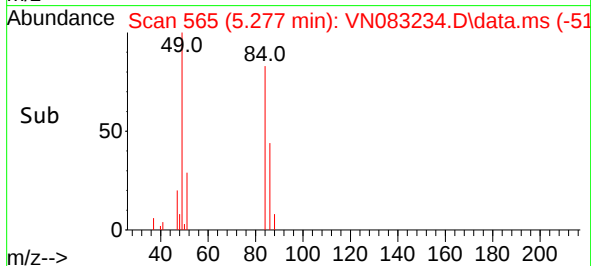
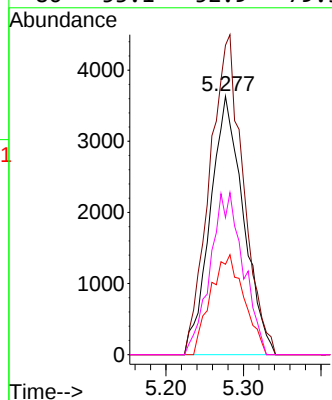
Ion Ratio Lower Upper

84 100

49 119.8 119.6 179.4

51 35.0 34.8 52.2

86 53.1 52.9 79.3



#25

2-Butanone

Concen: 10.131 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN083234.D

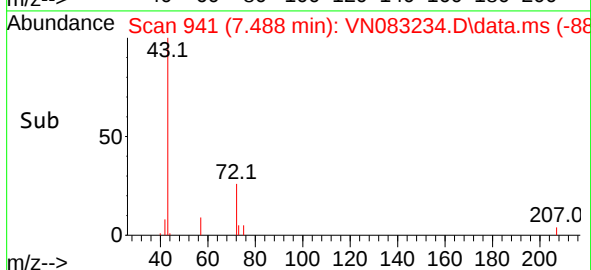
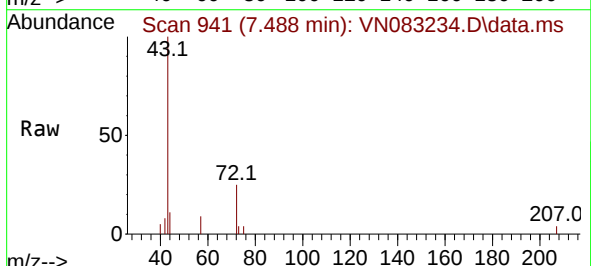
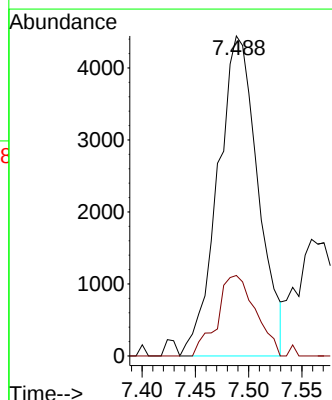
Acq: 12 Aug 2024 13:47

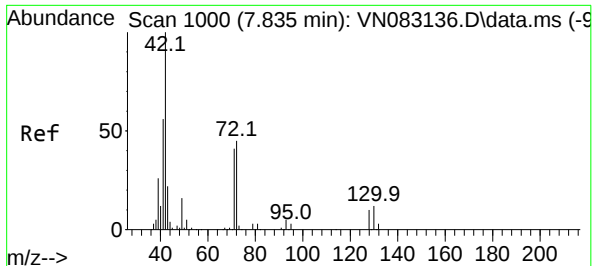
Tgt Ion: 43 Resp: 11720

Ion Ratio Lower Upper

43 100

72 25.2 18.2 27.2





#29

Tetrahydrofuran

Concen: 0.460 ug/l

RT: 7.859 min Scan# 1066

Delta R.T. 0.023 min

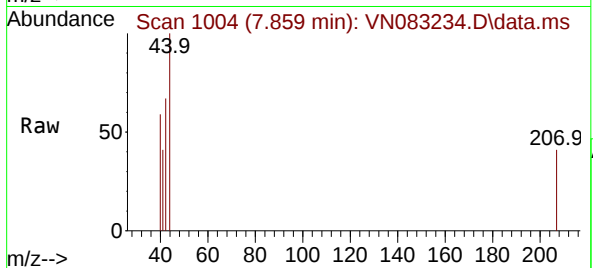
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Acq: 12 Aug 2024 13:47

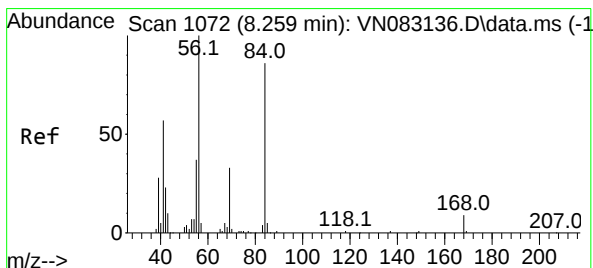
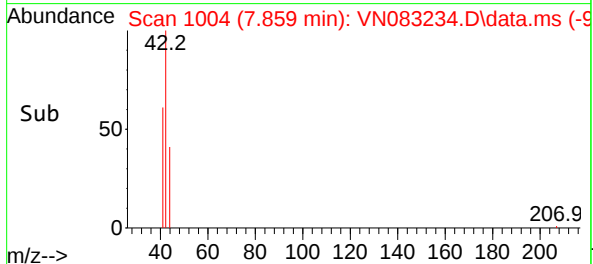
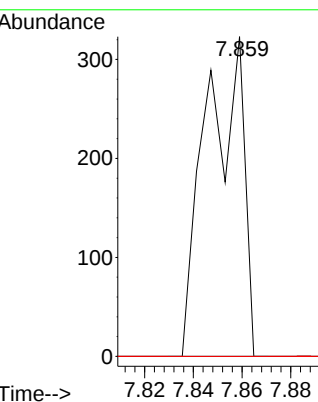
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	344
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.0	45.0#
71	0.0	28.3	42.5#



#31

Cyclohexane

Concen: 1.232 ug/l

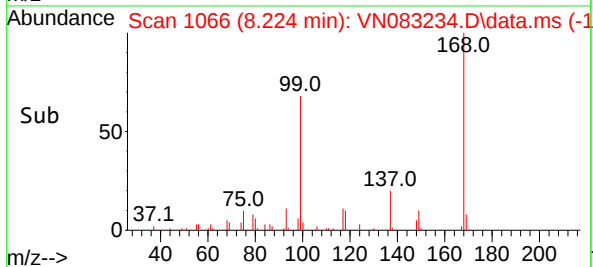
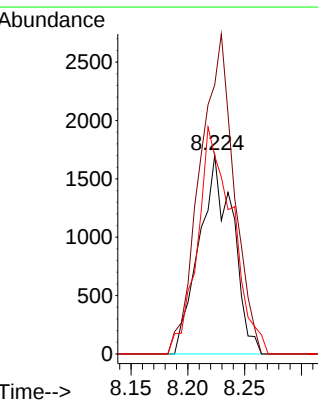
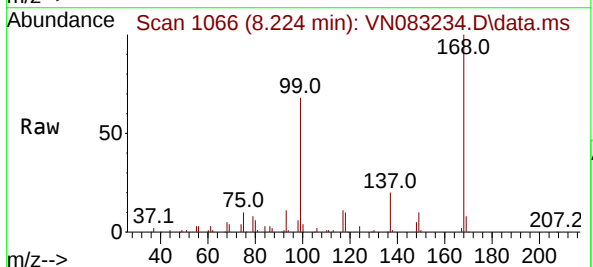
RT: 8.224 min Scan# 1066

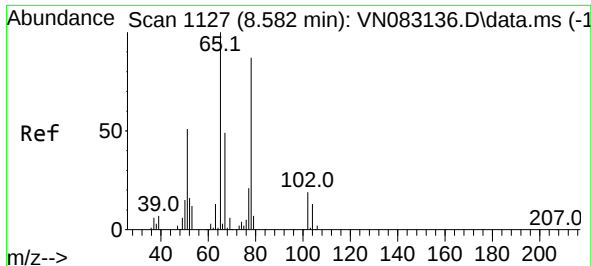
Delta R.T. -0.035 min

Lab File: VN083234.D

Acq: 12 Aug 2024 13:47

Tgt Ion:	56	Resp:	3515
Ion	Ratio	Lower	Upper
56	100		
69	135.4	24.5	36.7#
84	99.5	66.0	99.0#





#33

1,2-Dichloroethane-d4

Concen: 59.750 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN083234.D

Acq: 12 Aug 2024 13:47

Instrument :

MSVOA_N

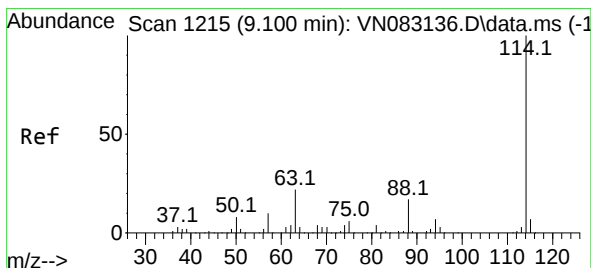
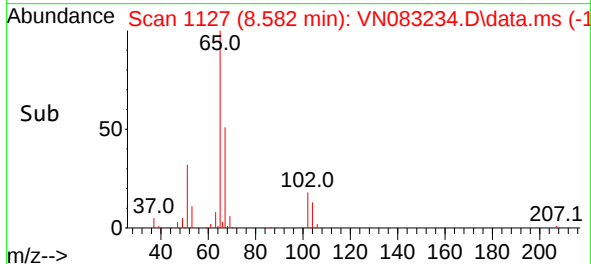
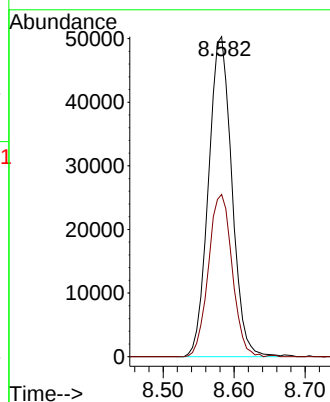
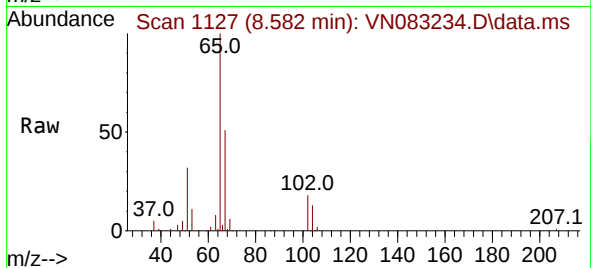
ClientSampleId :

Tgt Ion: 65 Resp: 115040

Ion Ratio Lower Upper

65 100

67 51.4 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: VN083234.D

Acq: 12 Aug 2024 13:47

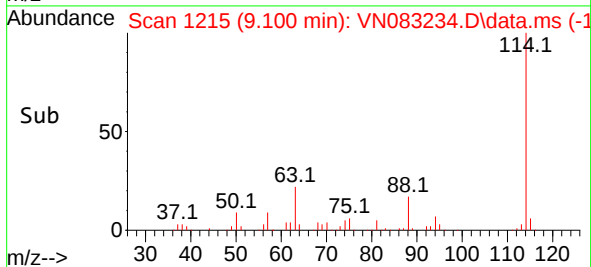
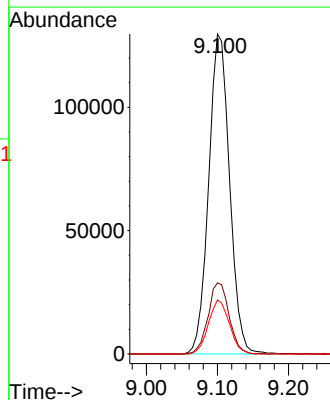
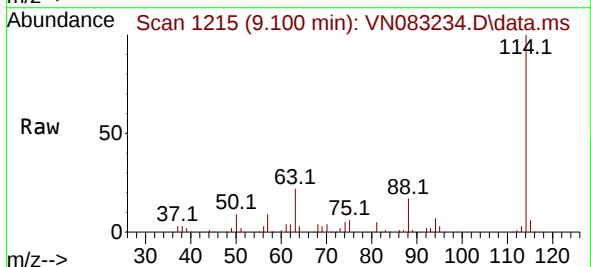
Tgt Ion: 114 Resp: 265142

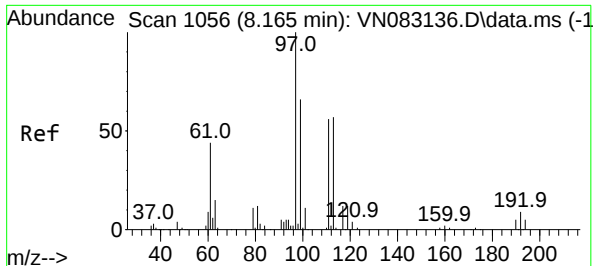
Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.6

88 16.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 54.667 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN083234.D

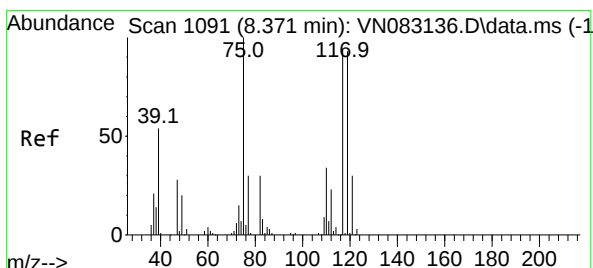
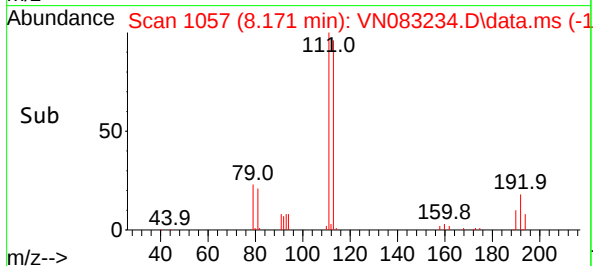
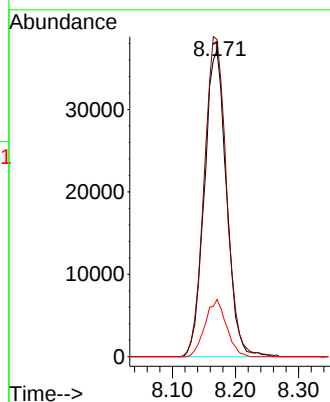
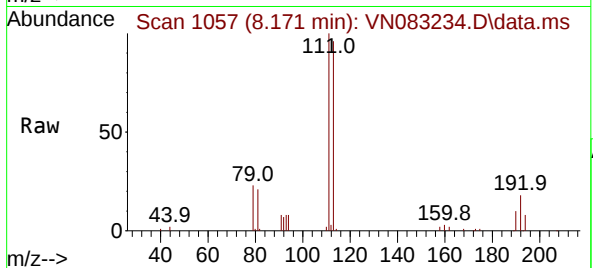
Acq: 12 Aug 2024 13:47

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	113	Resp:	90472
Ion	Ratio	Lower	Upper
113	100		
111	105.4	82.4	123.6
192	18.0	14.9	22.3



#36

1,1-Dichloropropene

Concen: 4.912 ug/l

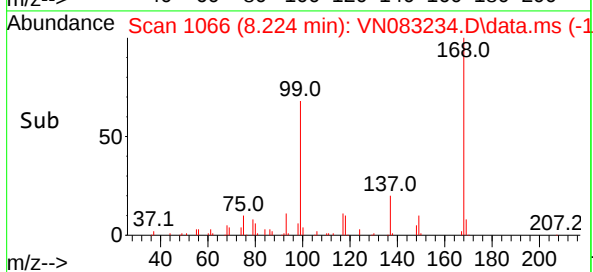
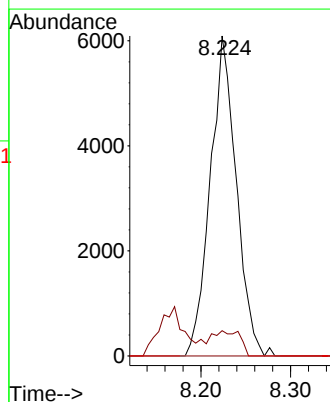
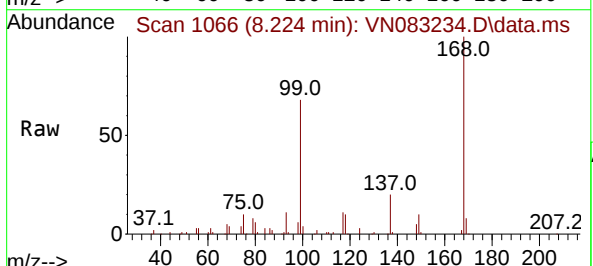
RT: 8.224 min Scan# 1066

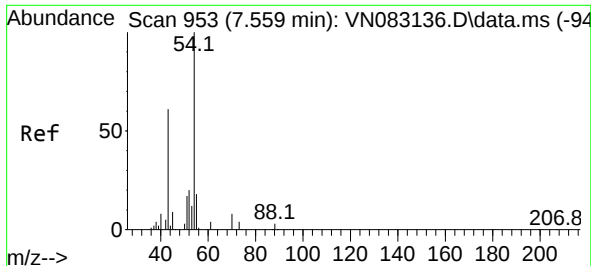
Delta R.T. -0.147 min

Lab File: VN083234.D

Acq: 12 Aug 2024 13:47

Tgt Ion:	75	Resp:	12298
Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.3	48.9#
77	0.0	24.6	37.0#





#37

Ethyl Acetate

Concen: 1.599 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

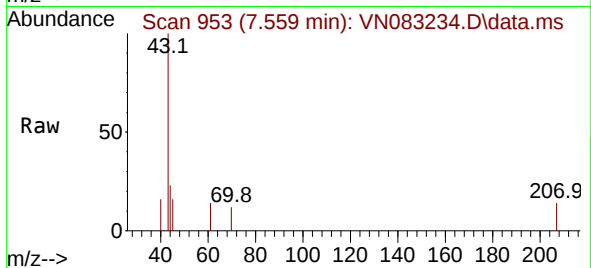
Lab File: VN083234.D

Acq: 12 Aug 2024 13:47

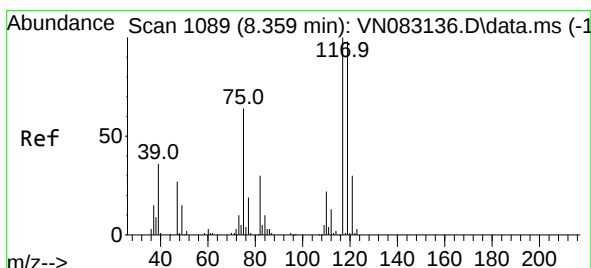
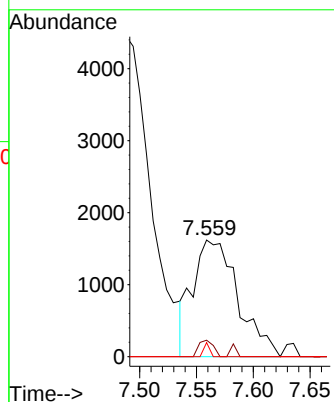
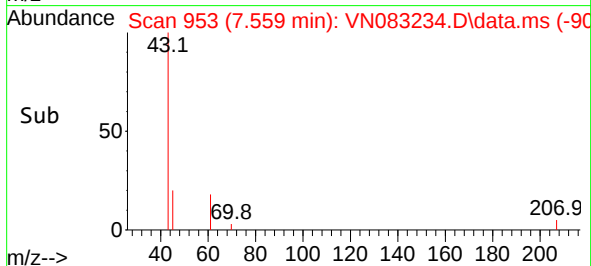
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	4483
Ion	Ratio	Lower	Upper
43	100		
61	4.6	9.3	13.9#
70	1.5	7.0	10.6#



#38

Carbon Tetrachloride

Concen: 5.653 ug/l

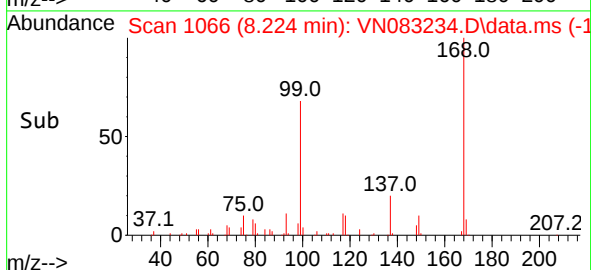
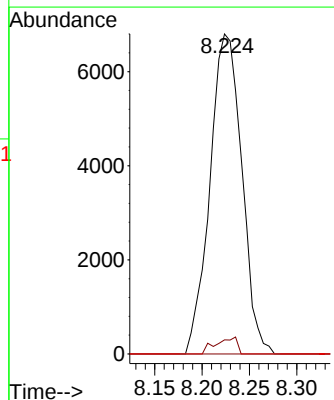
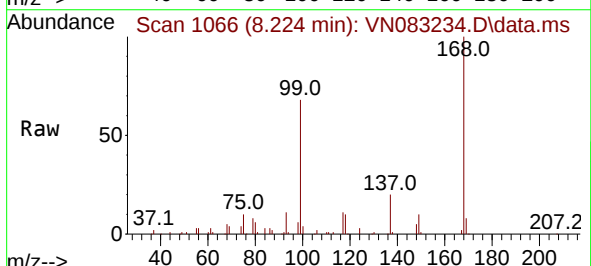
RT: 8.224 min Scan# 1066

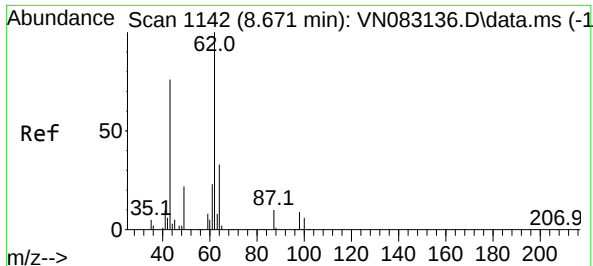
Delta R.T. -0.135 min

Lab File: VN083234.D

Acq: 12 Aug 2024 13:47

Tgt Ion:	117	Resp:	15940
Ion	Ratio	Lower	Upper
117	100		
119	4.4	74.9	112.3#
121	0.0	24.3	36.5#





#42

1,2-Dichloroethane

Concen: 0.353 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN083234.D

Acq: 12 Aug 2024 13:47

Instrument :

MSVOA_N

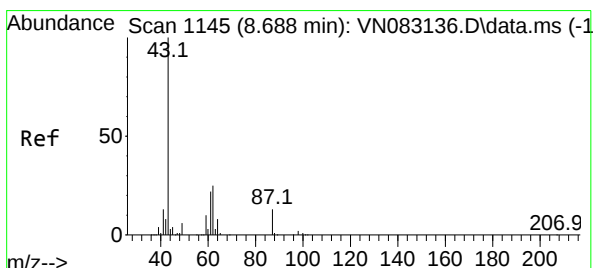
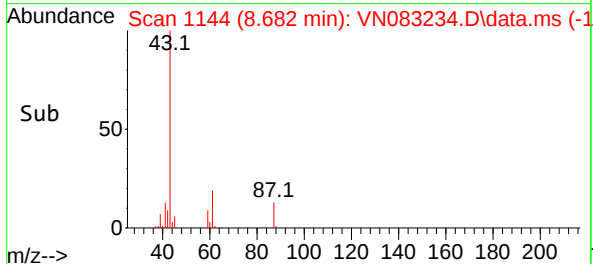
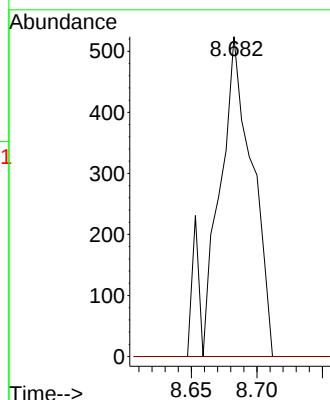
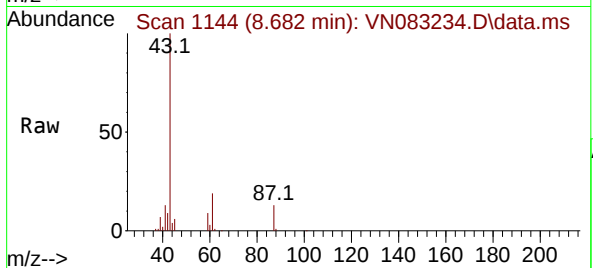
ClientSampleId :

Tgt Ion: 62 Resp: 959

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 30.780 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083234.D

Acq: 12 Aug 2024 13:47

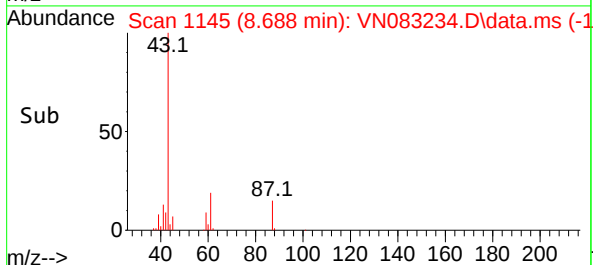
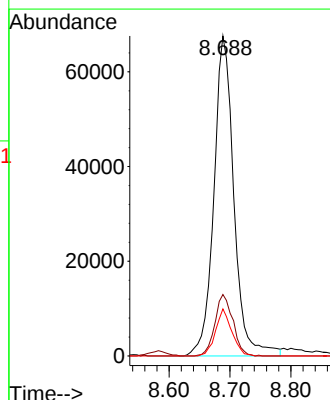
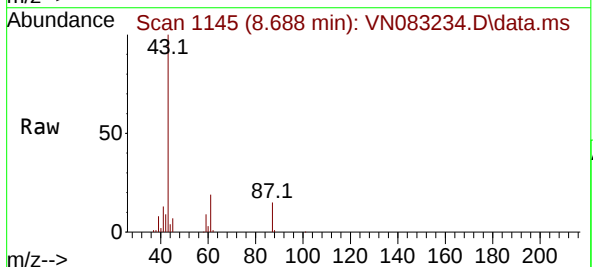
Tgt Ion: 43 Resp: 154659

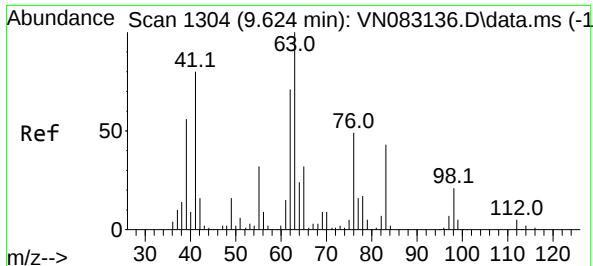
Ion Ratio Lower Upper

43 100

61 17.2 17.8 26.6#

87 11.9 8.2 12.2





#45

1,2-Dichloropropane

Concen: 0.950 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN083234.D

Acq: 12 Aug 2024 13:47

Instrument :

MSVOA_N

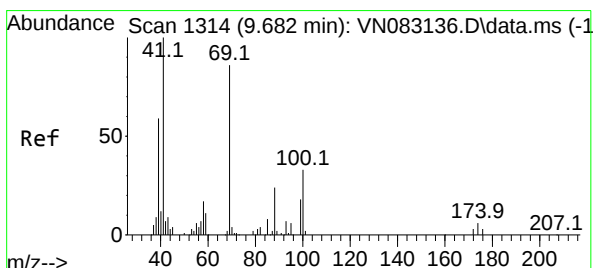
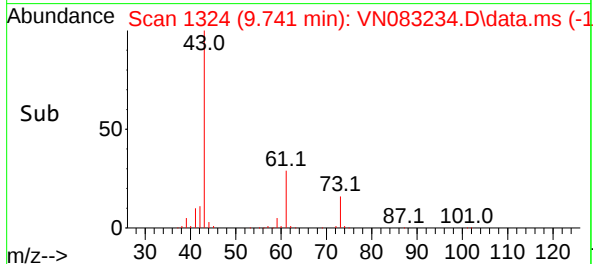
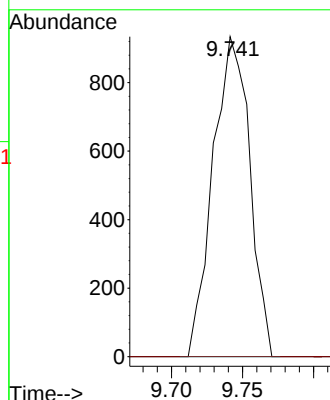
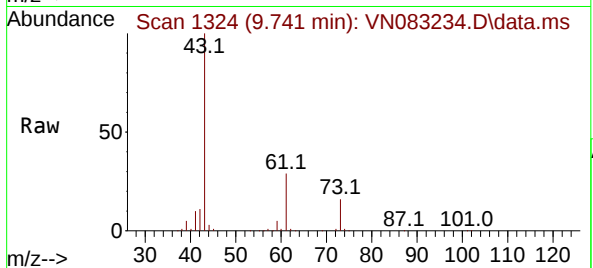
ClientSampleId :

Tgt Ion: 63 Resp: 1682

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.853 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN083234.D

Acq: 12 Aug 2024 13:47

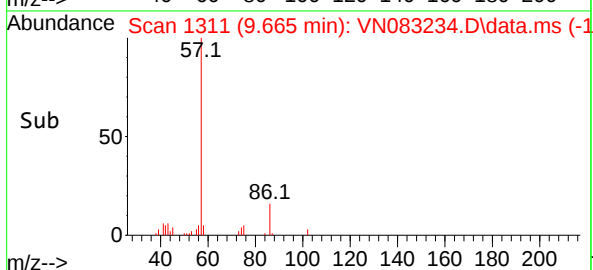
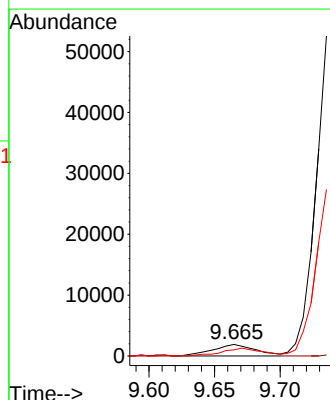
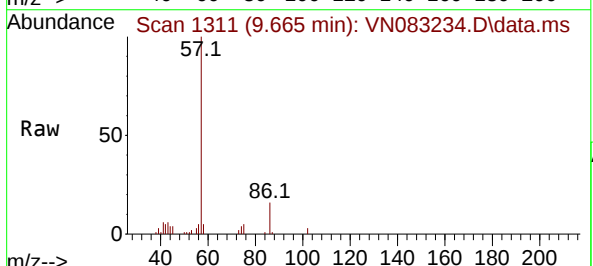
Tgt Ion: 41 Resp: 4295

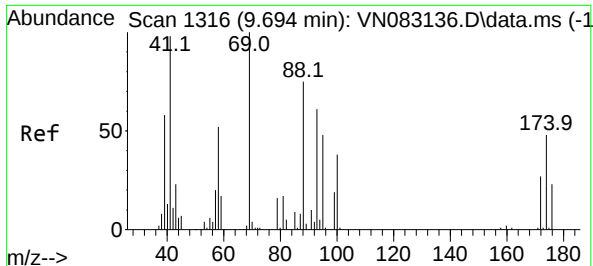
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 63.3 50.3 75.5





#49

1,4-Dioxane

Concen: 1.339 ug/l

RT: 9.747 min Scan# 1

Delta R.T. 0.053 min

Lab File: VN083234.D

Acq: 12 Aug 2024 13:47

Instrument :

MSVOA_N

ClientSampleId :

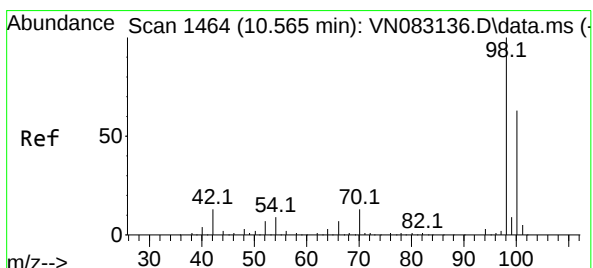
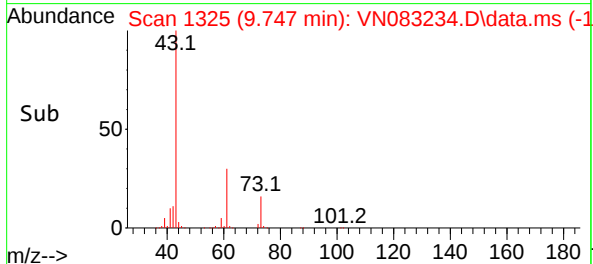
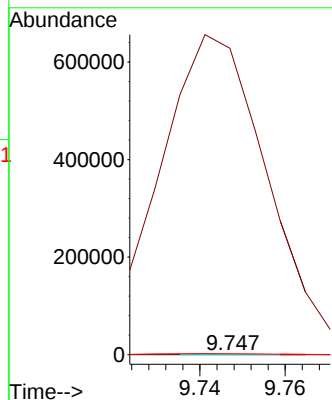
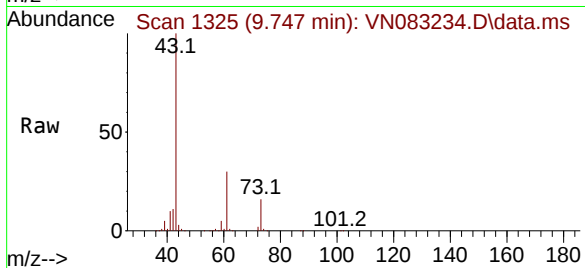
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 2127360.7 27.8 41.8#

58 7917.9 59.4 89.0#



#50

Toluene-d8

Concen: 57.032 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083234.D

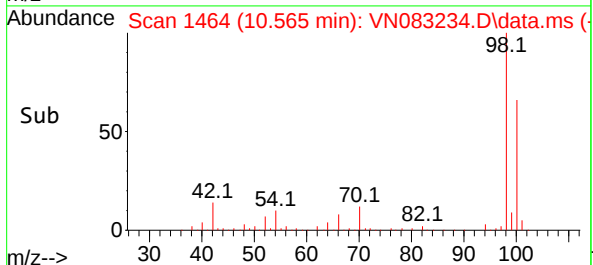
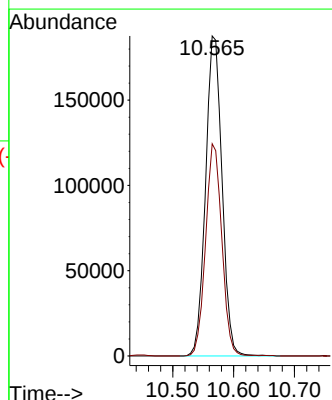
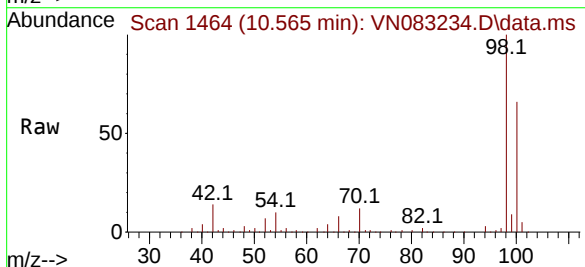
Acq: 12 Aug 2024 13:47

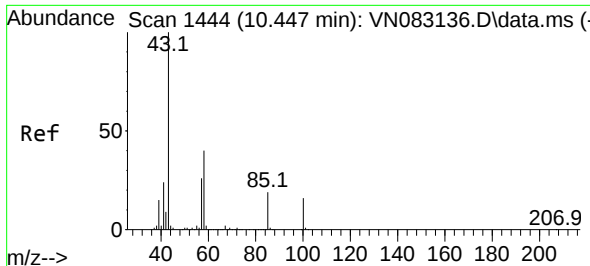
Tgt Ion: 98 Resp: 352080

Ion Ratio Lower Upper

98 100

100 65.3 51.5 77.3

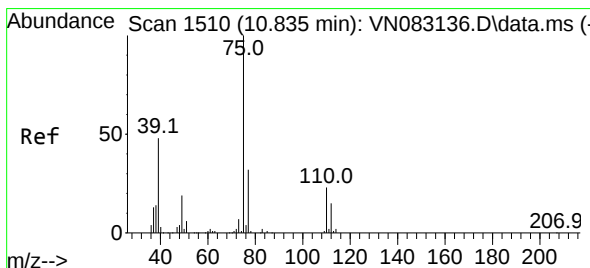
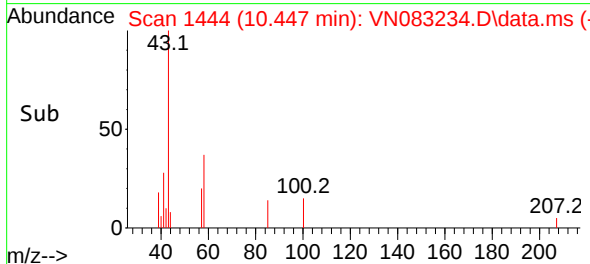
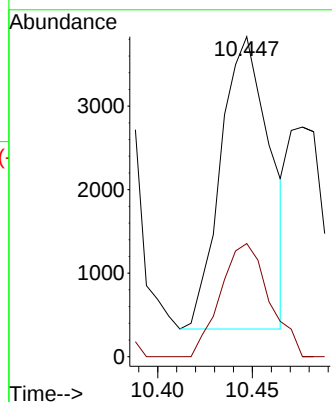
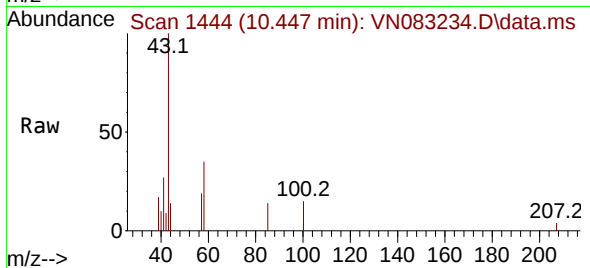




#51
4-Methyl-2-Pentanone
Concen: 2.378 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN083234.D
Acq: 12 Aug 2024 13:47

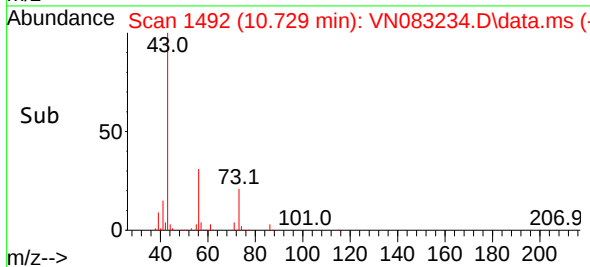
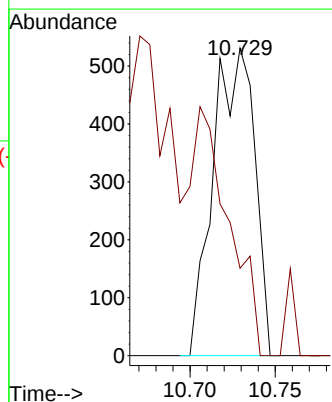
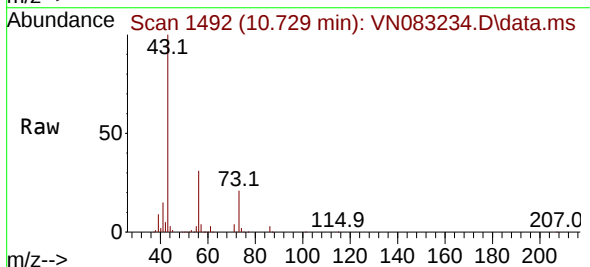
Instrument :
MSVOA_N
ClientSampleId :

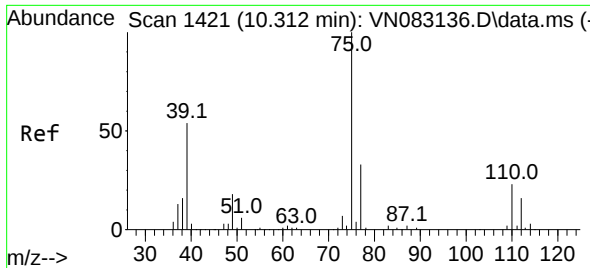
Tgt Ion: 43 Resp: 6303
Ion Ratio Lower Upper
43 100
58 38.4 28.2 42.4



#53
t-1,3-Dichloropropene
Concen: 0.308 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083234.D
Acq: 12 Aug 2024 13:47

Tgt Ion: 75 Resp: 899
Ion Ratio Lower Upper
75 100
77 28.4 25.7 38.5

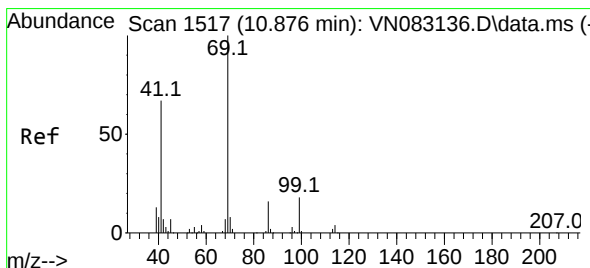
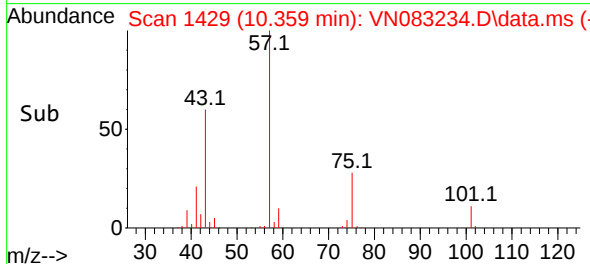
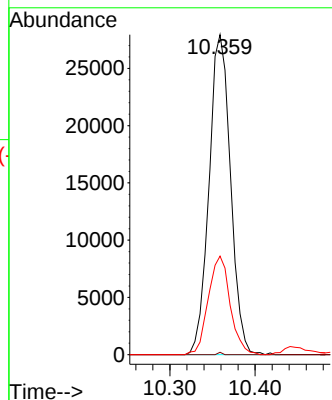
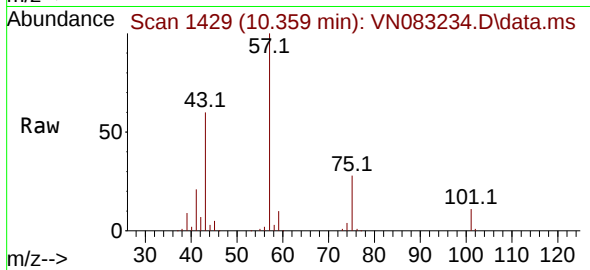




#54
 cis-1,3-Dichloropropene
 Concen: 15.747 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083234.D
 Acq: 12 Aug 2024 13:47

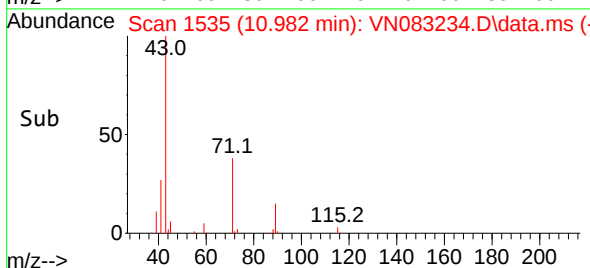
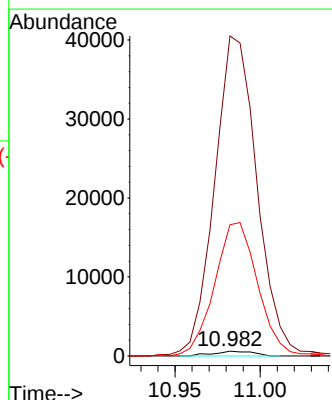
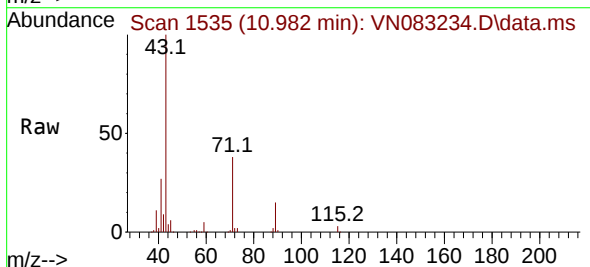
Instrument :
 MSVOA_N
 ClientSampleId :

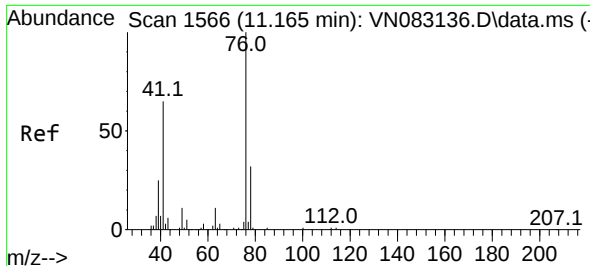
Tgt Ion: 75 Resp: 48952
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.3 36.5#
 39 30.8 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.304 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN083234.D
 Acq: 12 Aug 2024 13:47

Tgt Ion: 69 Resp: 969
 Ion Ratio Lower Upper
 69 100
 41 7268.6 63.4 95.2#
 39 3077.9 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.969 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

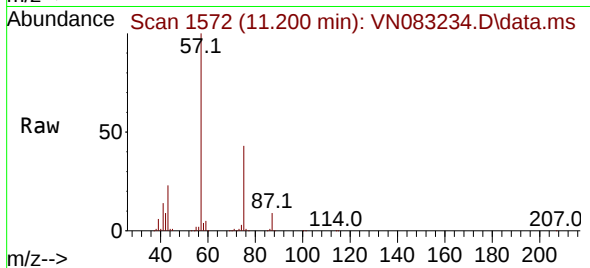
Lab File: VN083234.D

Acq: 12 Aug 2024 13:47

Instrument :

MSVOA_N

ClientSampleId :

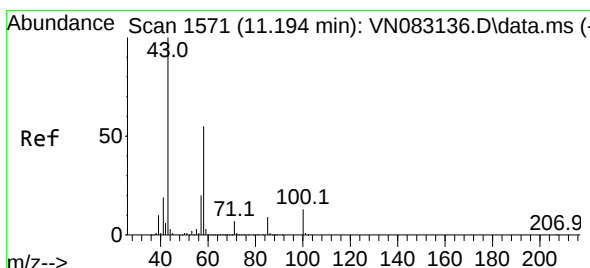
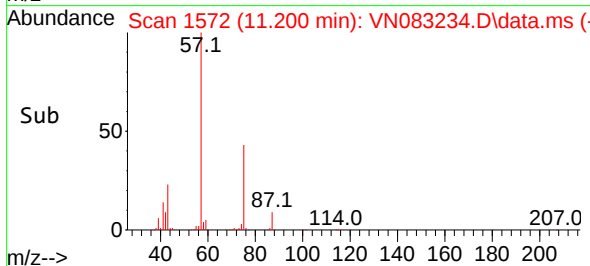
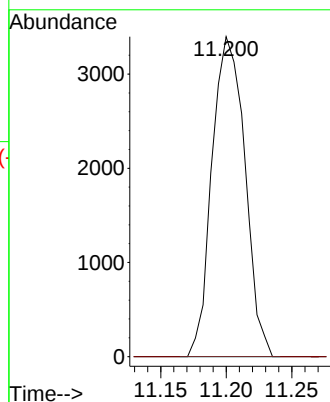


Tgt Ion: 76 Resp: 5928

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 40.252 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN083234.D

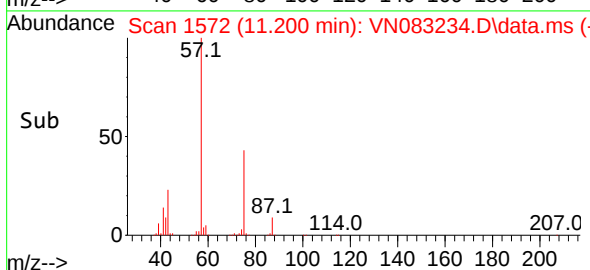
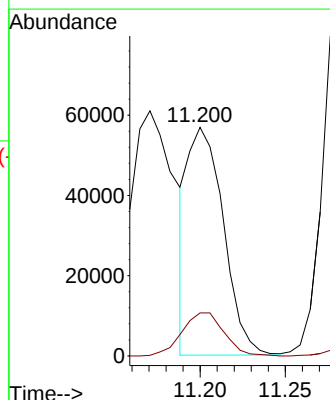
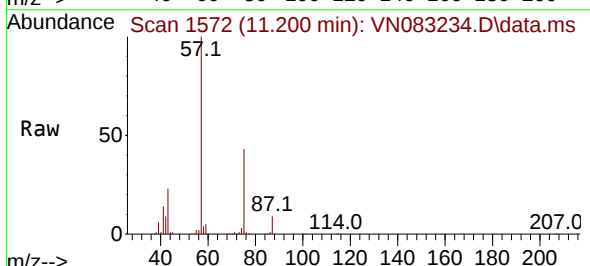
Acq: 12 Aug 2024 13:47

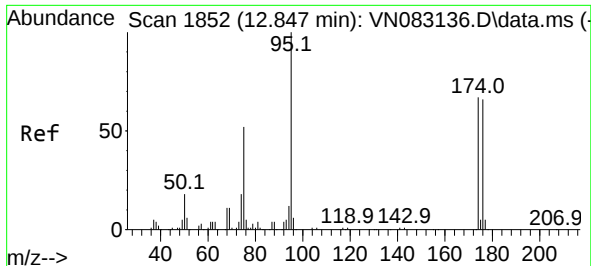
Tgt Ion: 43 Resp: 82545

Ion Ratio Lower Upper

43 100

58 22.5 24.6 73.8#

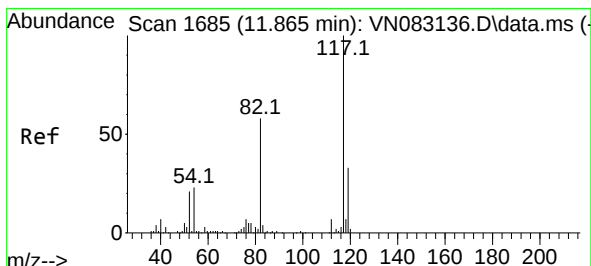
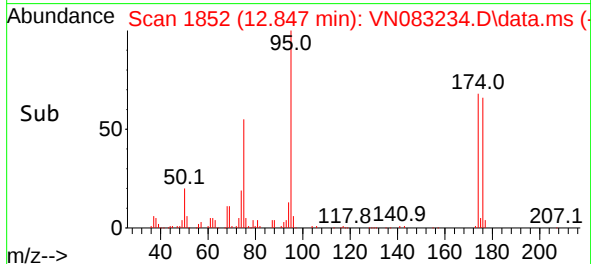
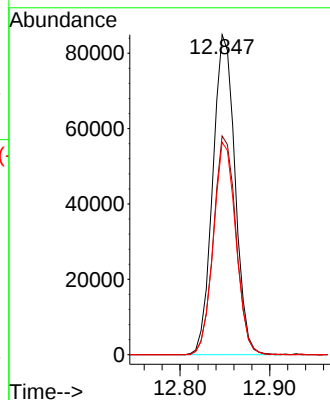
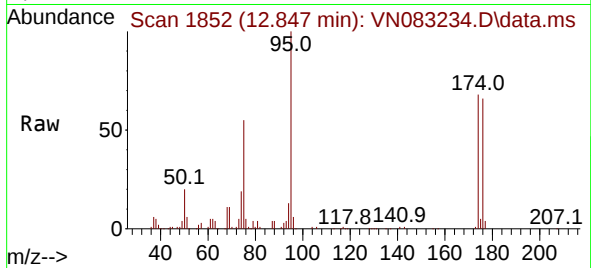




#62
4-Bromofluorobenzene
Concen: 60.678 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083234.D
Acq: 12 Aug 2024 13:47

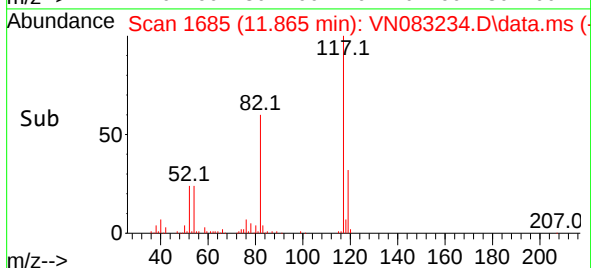
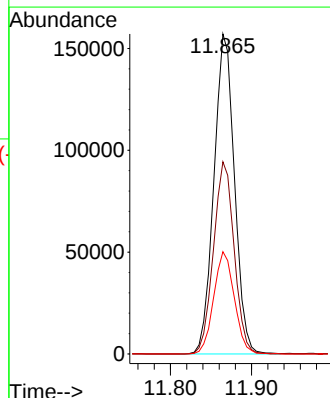
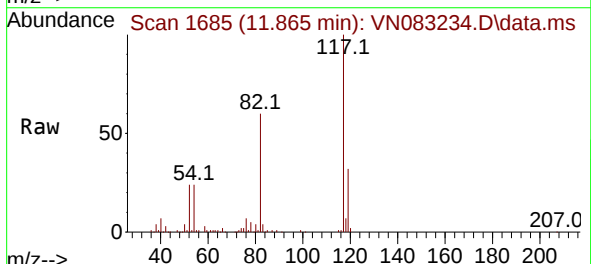
Instrument :
MSVOA_N
ClientSampleId :

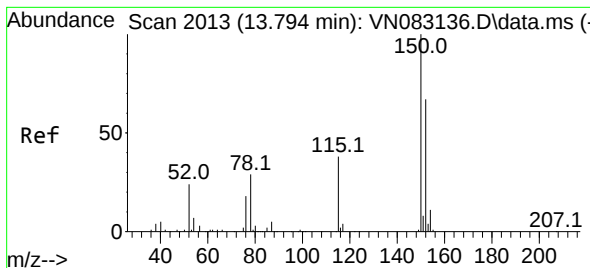
Tgt Ion: 95 Resp: 146036
Ion Ratio Lower Upper
95 100
174 69.2 0.0 159.2
176 67.2 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083234.D
Acq: 12 Aug 2024 13:47

Tgt Ion: 117 Resp: 276609
Ion Ratio Lower Upper
117 100
82 60.1 47.5 71.3
119 31.9 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

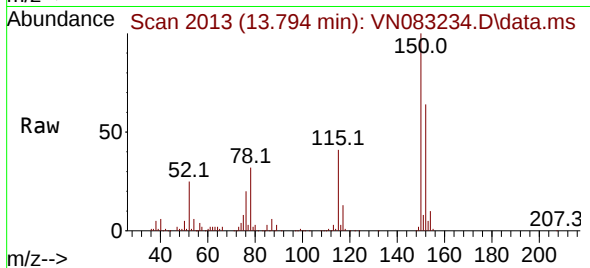
Lab File: VN083234.D

Acq: 12 Aug 2024 13:47

Instrument :

MSVOA_N

ClientSampleId :



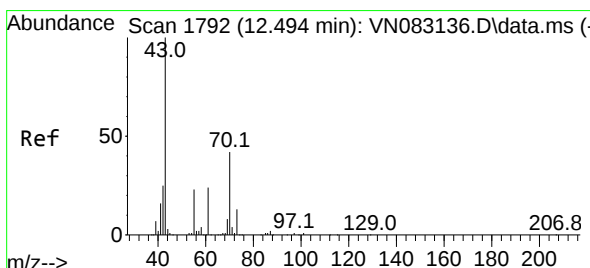
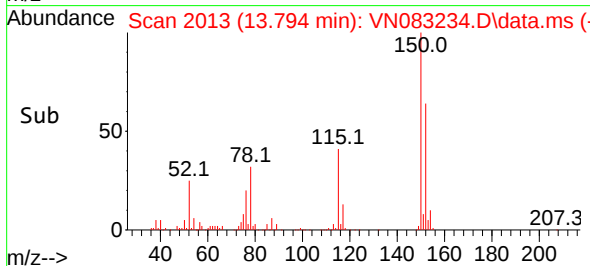
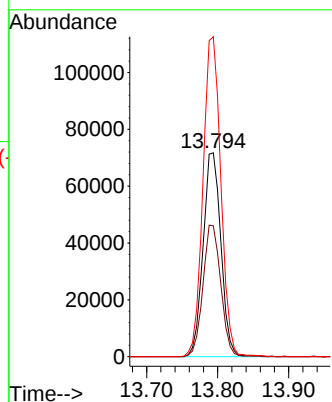
Tgt Ion:152 Resp: 125087

Ion Ratio Lower Upper

152 100

115 64.6 30.6 91.6

150 157.8 0.0 348.6



#74

N-ethyl acetate

Concen: 0.307 ug/l

RT: 12.459 min Scan# 1786

Delta R.T. -0.035 min

Lab File: VN083234.D

Acq: 12 Aug 2024 13:47

Tgt Ion: 43 Resp: 1573

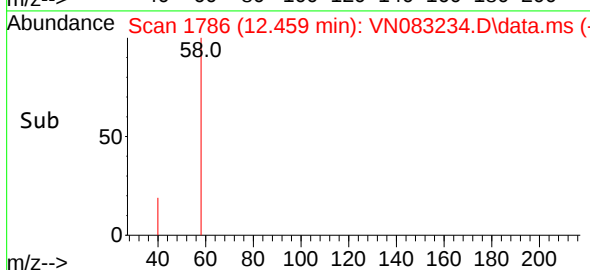
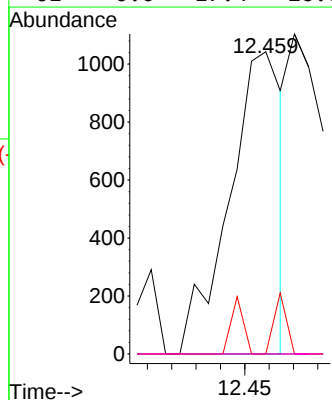
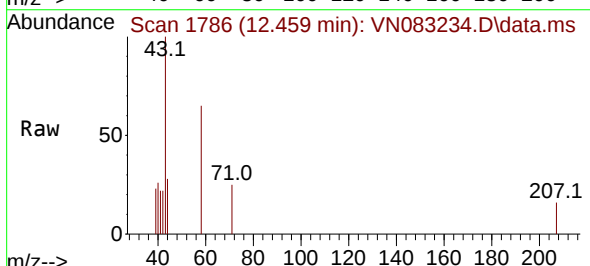
Ion Ratio Lower Upper

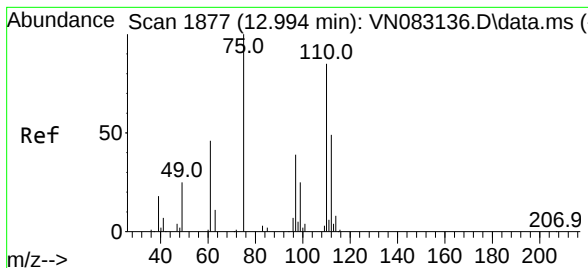
43 100

70 0.0 29.8 44.6#

55 4.7 18.7 28.1#

61 0.0 17.4 26.0#

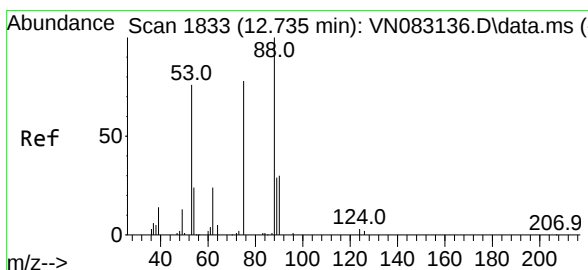
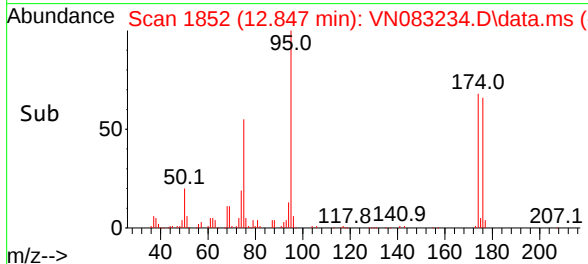
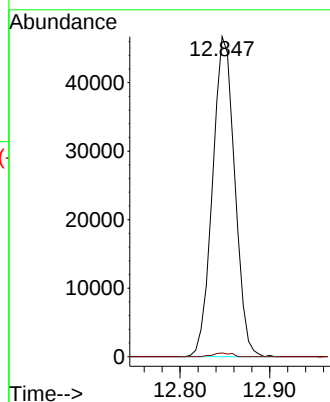
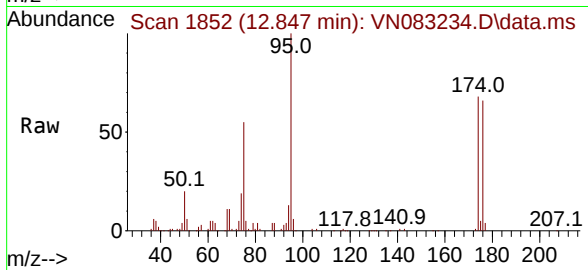




#76
1,2,3-Trichloropropane
Concen: 29.256 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083234.D
Acq: 12 Aug 2024 13:47

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 80318
Ion Ratio Lower Upper
75 100
77 1.0 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.639 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083234.D
Acq: 12 Aug 2024 13:47

Tgt Ion: 75 Resp: 80318
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

