

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
 Data File : VN083515.D
 Acq On : 27 Aug 2024 17:30
 Operator : JC\MD
 Sample : P3735-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 28 01:50:00 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

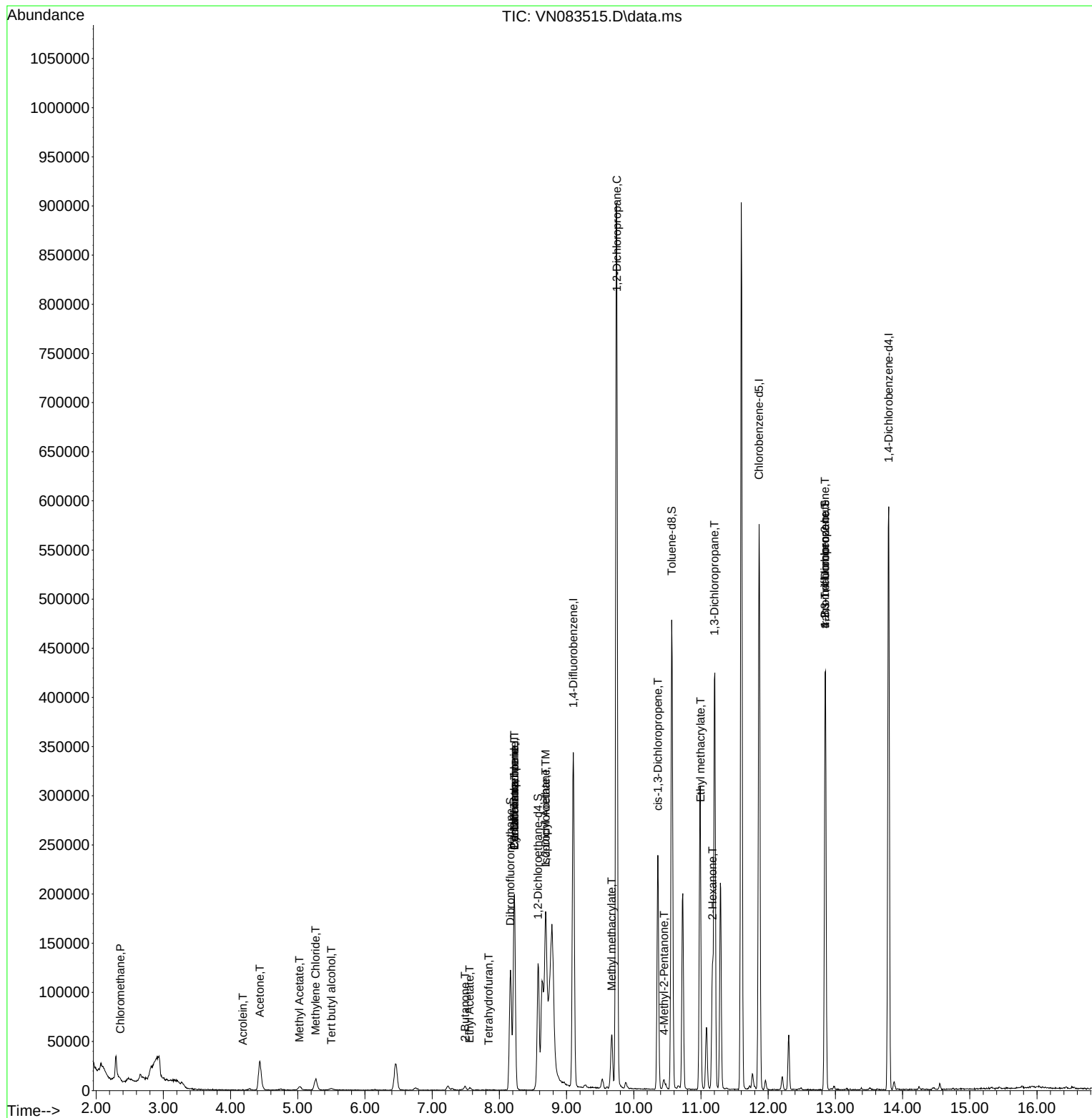
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	137301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	287376	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	310325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	152500	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	110249	56.413	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 112.820%		
35) Dibromofluoromethane	8.165	113	87220	48.625	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.240%		
50) Toluene-d8	10.565	98	318786	47.643	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 95.280%		
62) 4-Bromofluorobenzene	12.847	95	153346	58.786	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 117.580%		
Target Compounds						
						Qvalue
3) Chloromethane	2.359	50	514	0.322	ug/l #	43
11) Tert butyl alcohol	5.500	59	936	2.305	ug/l #	71
13) Acrolein	4.183	56	135	0.510	ug/l #	61
16) Acetone	4.436	43	52822	69.073	ug/l	99
18) Methyl Acetate	5.024	43	8536	3.746	ug/l	99
20) Methylene Chloride	5.265	84	8307	4.720	ug/l #	73
25) 2-Butanone	7.488	43	6888	5.866	ug/l #	89
29) Tetrahydrofuran	7.841	42	434	0.572	ug/l #	38
31) Cyclohexane	8.224	56	3646	1.259	ug/l #	30
36) 1,1-Dichloropropene	8.224	75	12659	4.665	ug/l #	51
37) Ethyl Acetate	7.559	43	3552	1.169	ug/l #	91
38) Carbon Tetrachloride	8.224	117	17062	5.583	ug/l #	18
42) 1,2-Dichloroethane	8.688	62	1217	0.413	ug/l #	78
43) Isopropyl Acetate	8.688	43	243650	45.981	ug/l #	79
45) 1,2-Dichloropropane	9.747	63	1168	0.609	ug/l #	44
48) Methyl methacrylate	9.671	41	3837	1.528	ug/l #	51
51) 4-Methyl-2-Pentanone	10.453	43	10658	3.710	ug/l #	82
54) cis-1,3-Dichloropropene	10.359	75	41685	12.372	ug/l #	53
56) Ethyl methacrylate	10.994	69	889	0.258	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4458	1.366	ug/l #	43
59) 2-Hexanone	11.171	43	100622	45.271	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	85208	25.458	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	85208	55.377	ug/l #	6

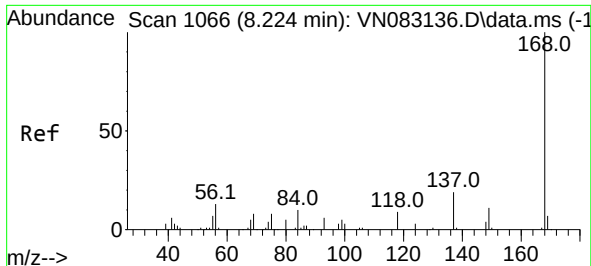
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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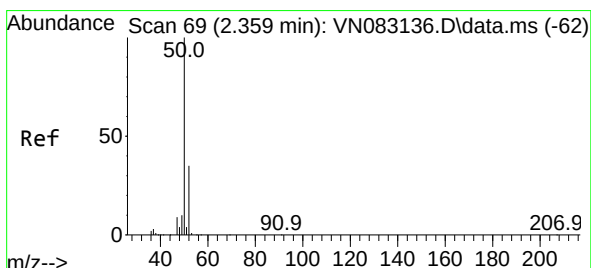
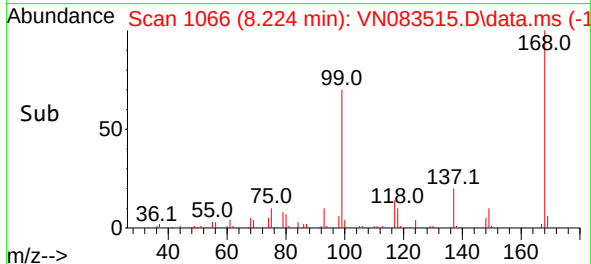
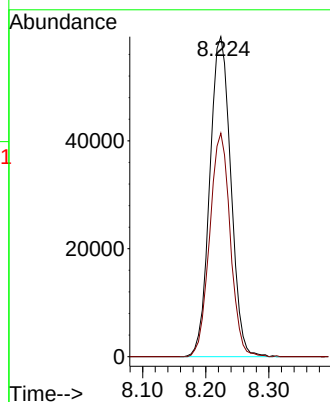
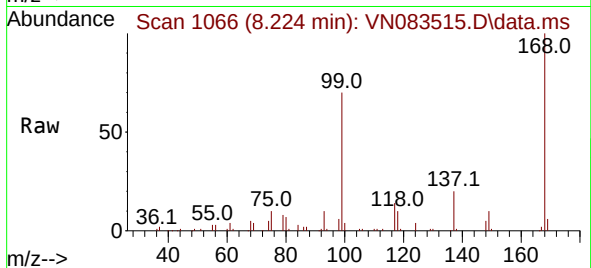




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083515.D
Acq: 27 Aug 2024 17:30

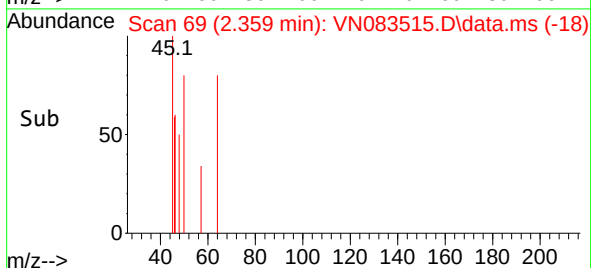
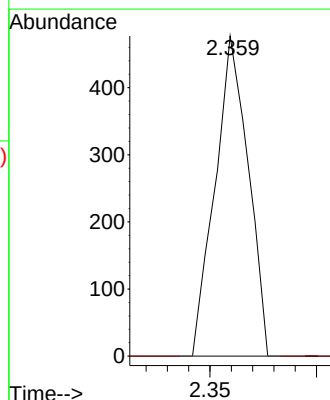
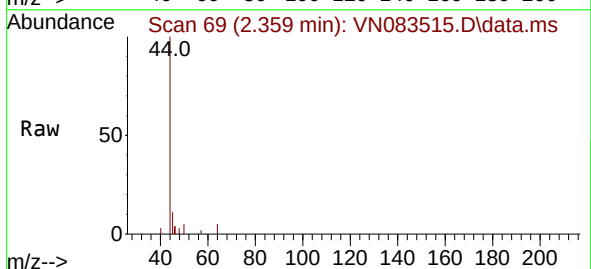
Instrument :
MSVOA_N
ClientSampleId :

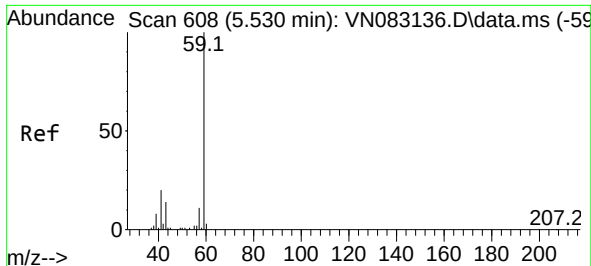
Tgt Ion:168 Resp: 137301
Ion Ratio Lower Upper
168 100
99 69.9 48.2 72.4



#3
Chloromethane
Concen: 0.322 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083515.D
Acq: 27 Aug 2024 17:30

Tgt Ion: 50 Resp: 514
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

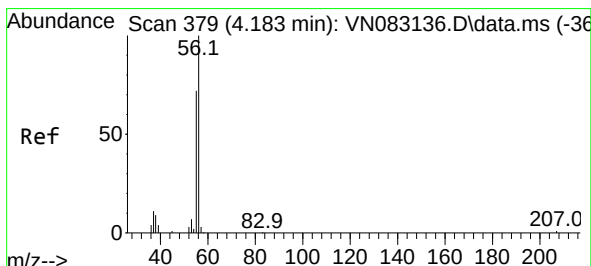
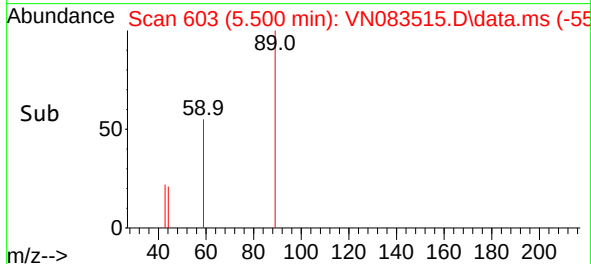
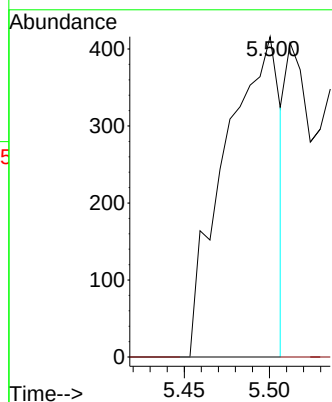
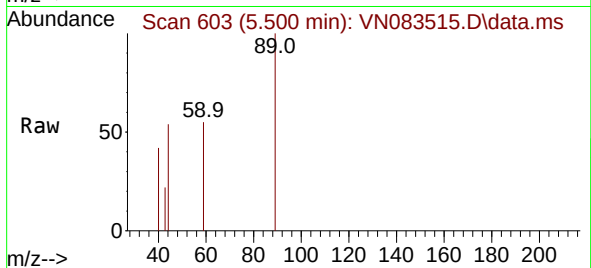




#11
Tert butyl alcohol
Concen: 2.305 ug/l
RT: 5.500 min Scan# 608
Delta R.T. -0.029 min
Lab File: VN083515.D
Acq: 27 Aug 2024 17:30

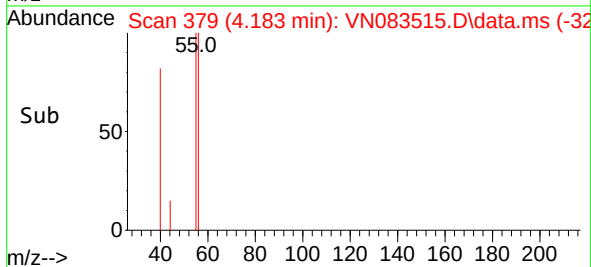
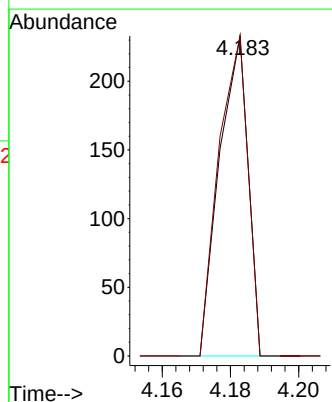
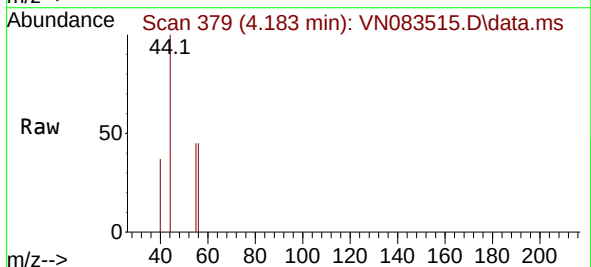
Instrument :
MSVOA_N
ClientSampleId :

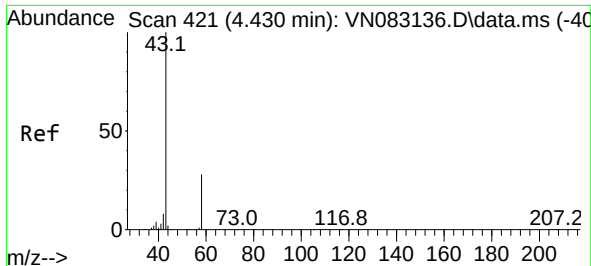
Tgt Ion: 59 Resp: 936
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#13
Acrolein
Concen: 0.510 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.000 min
Lab File: VN083515.D
Acq: 27 Aug 2024 17:30

Tgt Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 103.0 56.4 84.6#

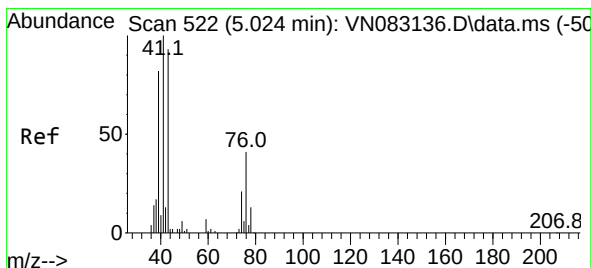
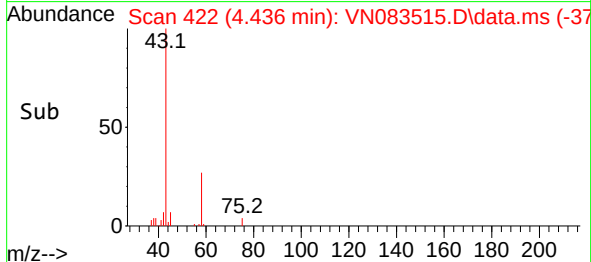
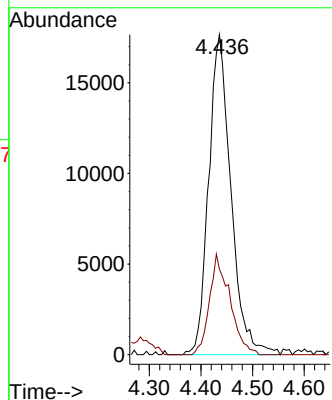
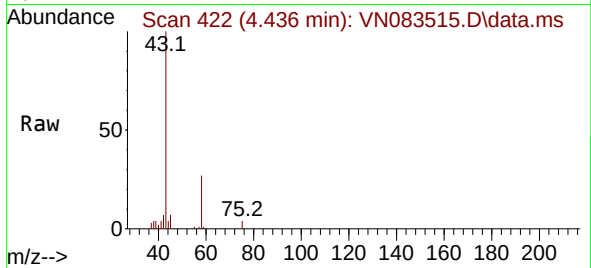




#16
Acetone
Concen: 69.073 ug/l
RT: 4.436 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN083515.D
Acq: 27 Aug 2024 17:30

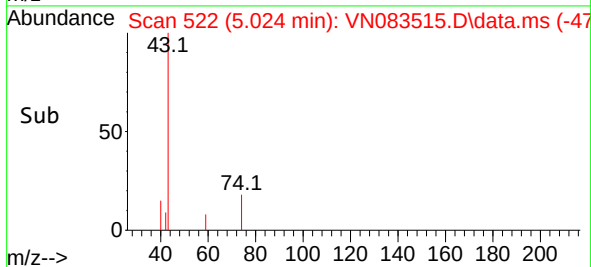
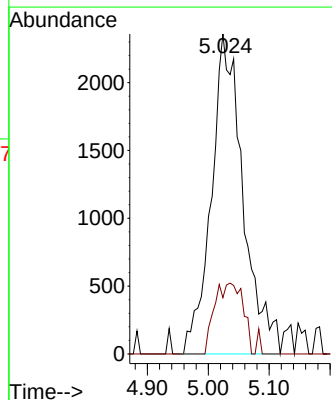
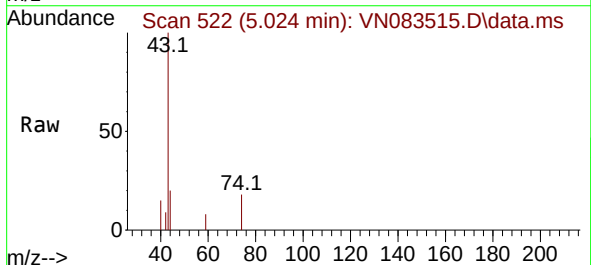
Instrument :
MSVOA_N
ClientSampleId :

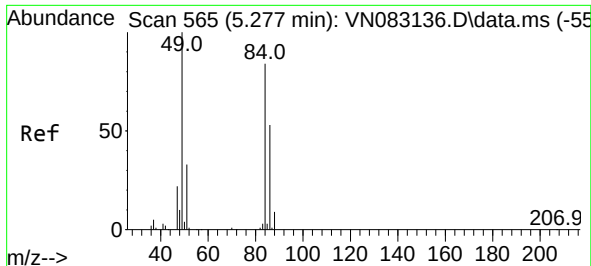
Tgt Ion: 43 Resp: 52822
Ion Ratio Lower Upper
43 100
58 26.7 21.8 32.6



#18
Methyl Acetate
Concen: 3.746 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN083515.D
Acq: 27 Aug 2024 17:30

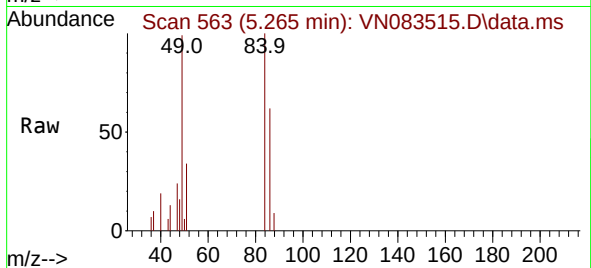
Tgt Ion: 43 Resp: 8536
Ion Ratio Lower Upper
43 100
74 19.8 16.3 24.5



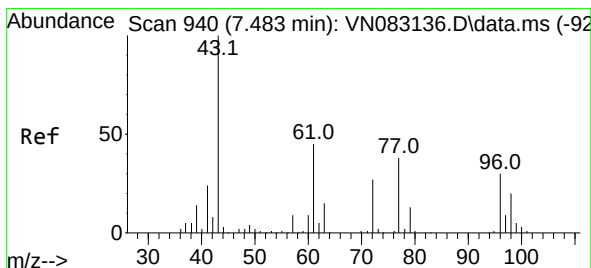
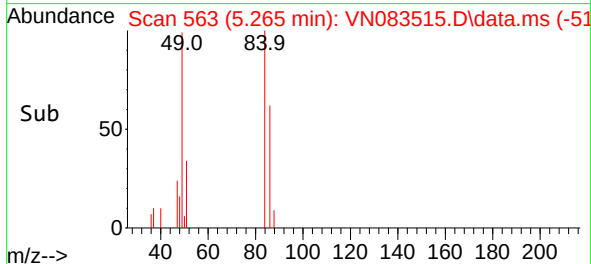
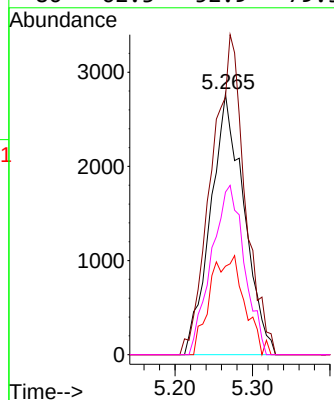


#20
Methylene Chloride
Concen: 4.720 ug/l
RT: 5.265 min Scan# 501
Delta R.T. -0.012 min
Lab File: VN083515.D
Acq: 27 Aug 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :

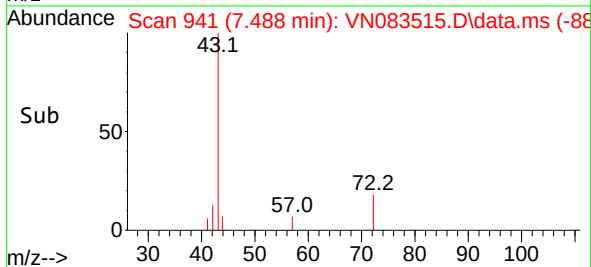
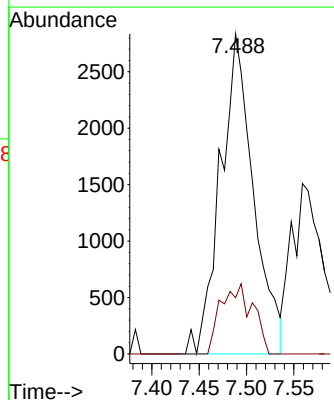
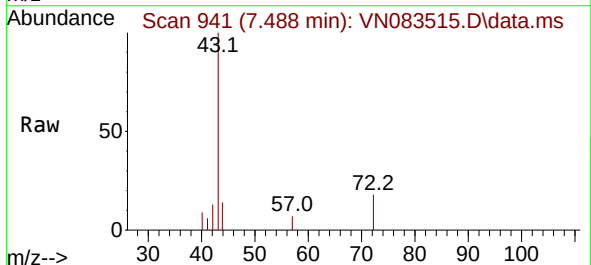


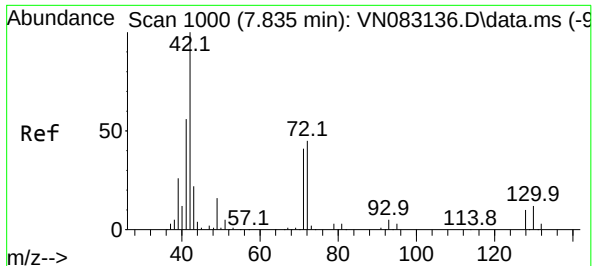
Tgt Ion: 84 Resp: 8307
Ion Ratio Lower Upper
84 100
49 98.7 119.6 179.4#
51 33.9 34.8 52.2#
86 62.3 52.9 79.3



#25
2-Butanone
Concen: 5.866 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083515.D
Acq: 27 Aug 2024 17:30

Tgt Ion: 43 Resp: 6888
Ion Ratio Lower Upper
43 100
72 17.6 18.2 27.2#





#29

Tetrahydrofuran

Concen: 0.572 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.006 min

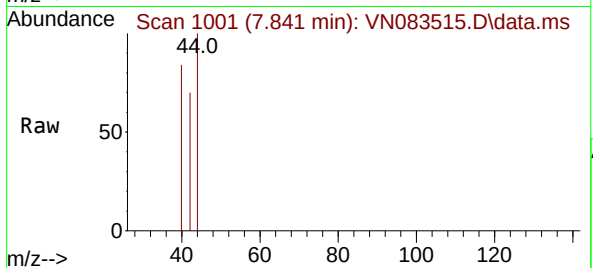
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Acq: 27 Aug 2024 17:30

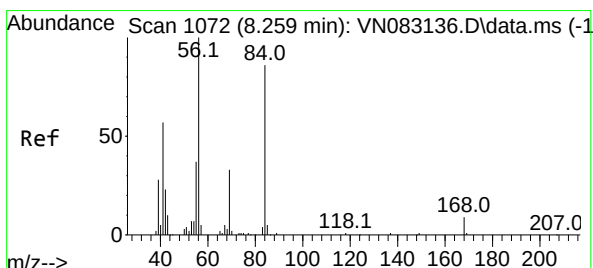
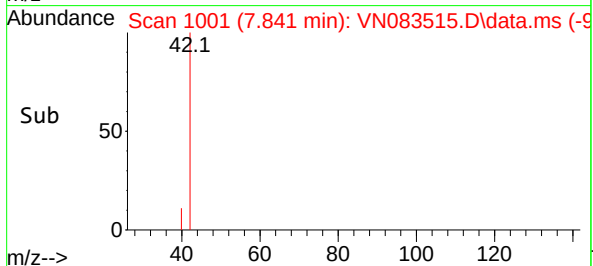
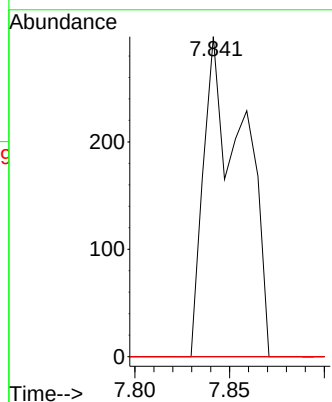
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	434
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.0	45.0#
71	0.0	28.3	42.5#



#31

Cyclohexane

Concen: 1.259 ug/l

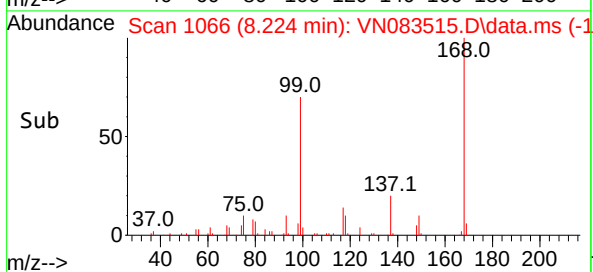
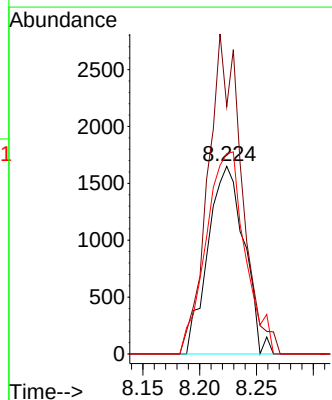
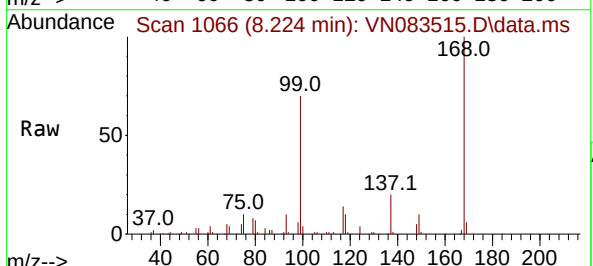
RT: 8.224 min Scan# 1066

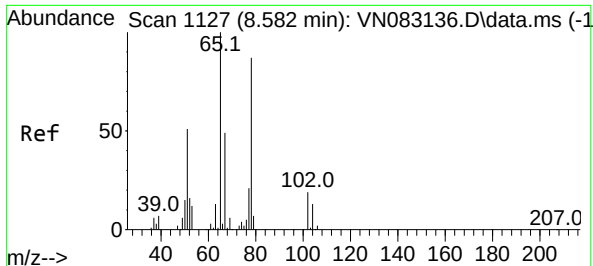
Delta R.T. -0.035 min

Lab File: VN083515.D

Acq: 27 Aug 2024 17:30

Tgt Ion:	56	Resp:	3646
Ion	Ratio	Lower	Upper
56	100		
69	131.8	24.5	36.7#
84	106.7	66.0	99.0#





#33

1,2-Dichloroethane-d4

Concen: 56.413 ug/l

RT: 8.577 min Scan# 11

Delta R.T. -0.005 min

Lab File: VN083515.D

Acq: 27 Aug 2024 17:30

Instrument :

MSVOA_N

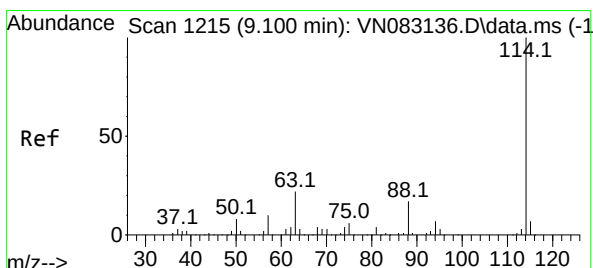
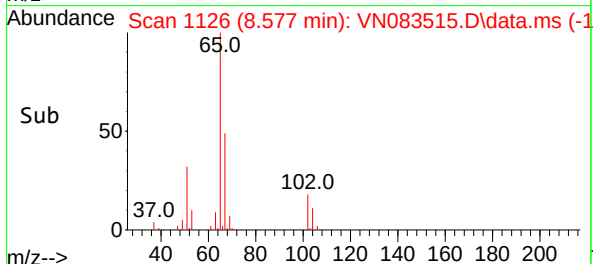
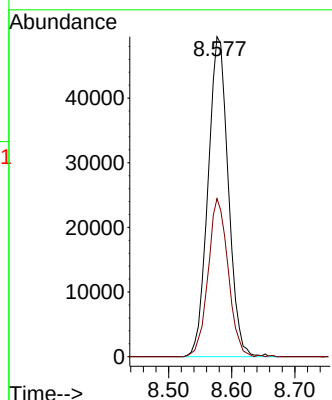
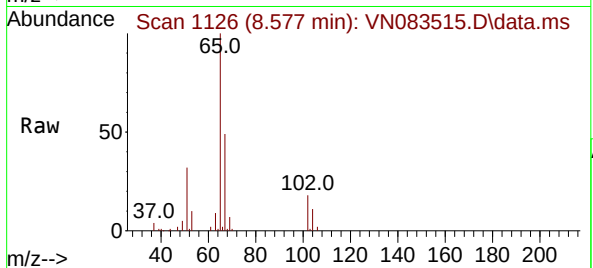
ClientSampleId :

Tgt Ion: 65 Resp: 110249

Ion Ratio Lower Upper

65 100

67 48.9 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: VN083515.D

Acq: 27 Aug 2024 17:30

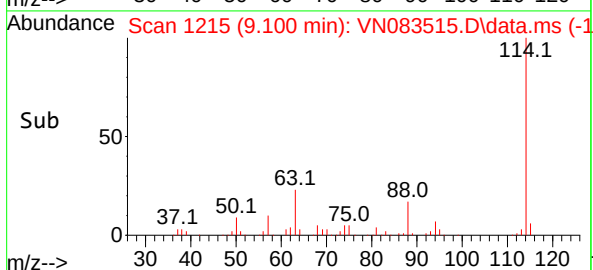
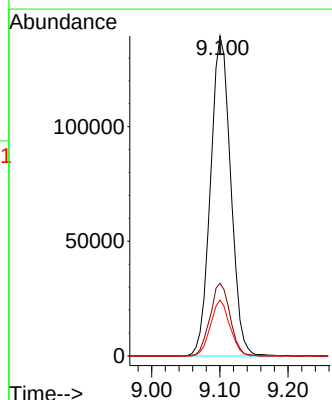
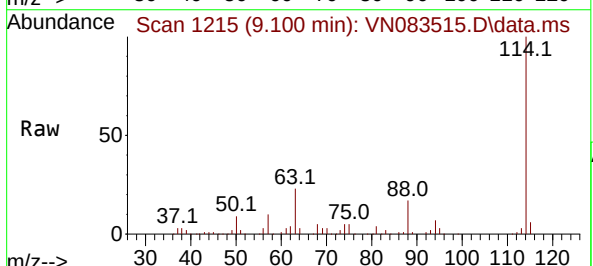
Tgt Ion:114 Resp: 287376

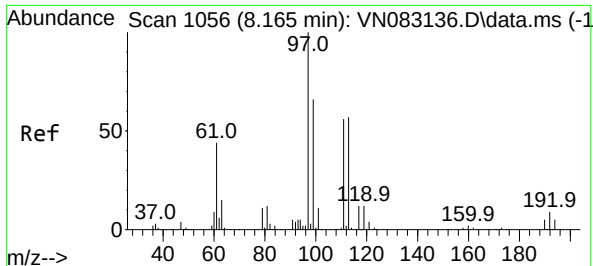
Ion Ratio Lower Upper

114 100

63 22.7 0.0 44.6

88 17.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.625 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083515.D

Acq: 27 Aug 2024 17:30

Instrument :

MSVOA_N

ClientSampleId :

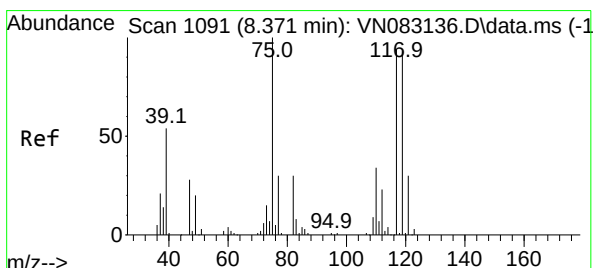
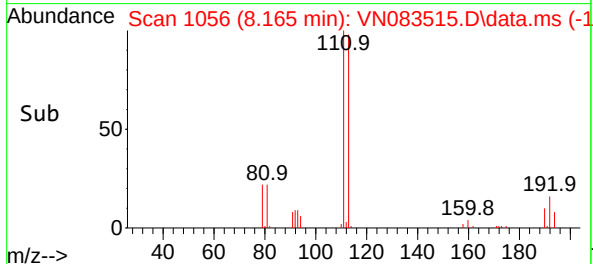
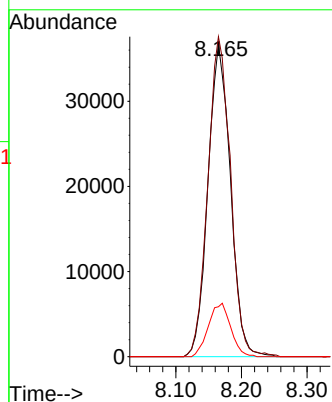
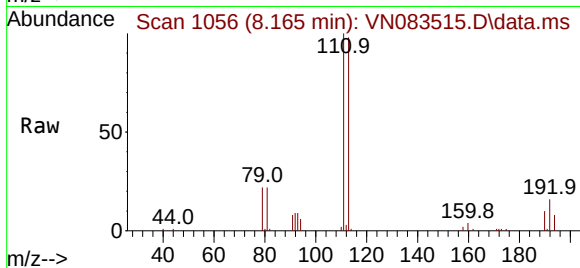
Tgt Ion:113 Resp: 87220

Ion Ratio Lower Upper

113 100

111 103.2 82.4 123.6

192 17.0 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.665 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083515.D

Acq: 27 Aug 2024 17:30

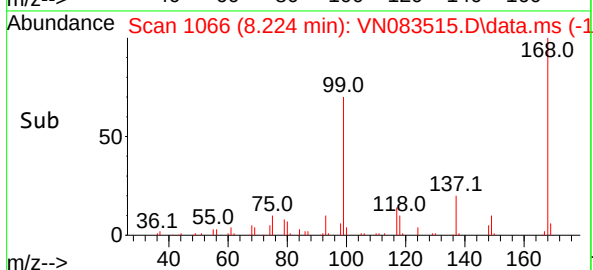
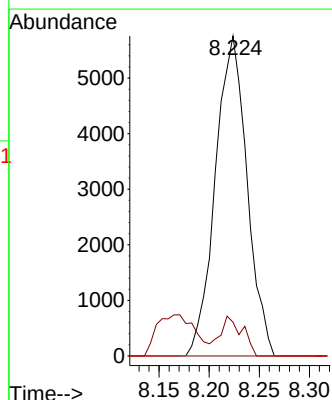
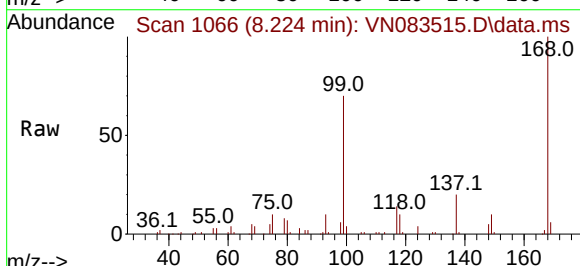
Tgt Ion: 75 Resp: 12659

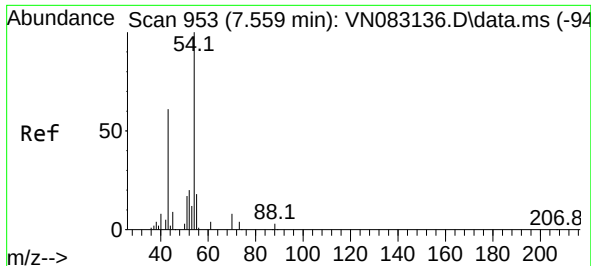
Ion Ratio Lower Upper

75 100

110 8.7 16.3 48.9#

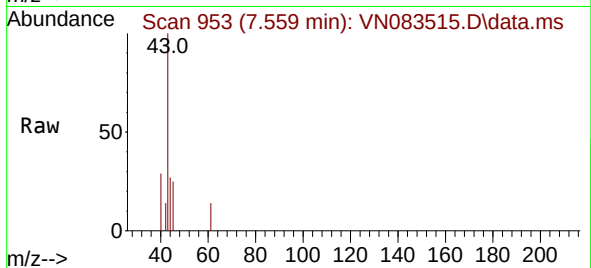
77 0.0 24.6 37.0#



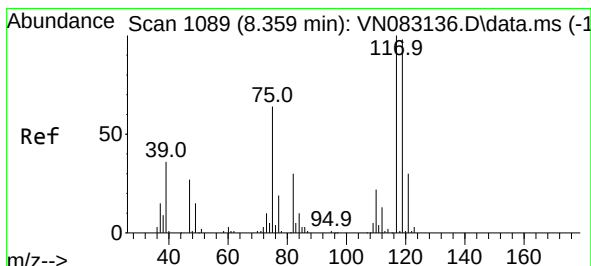
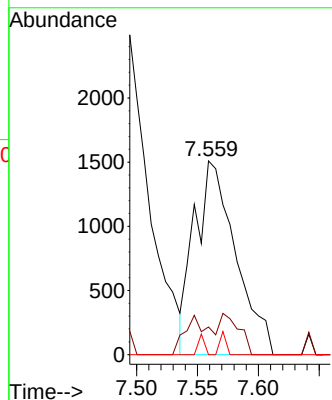
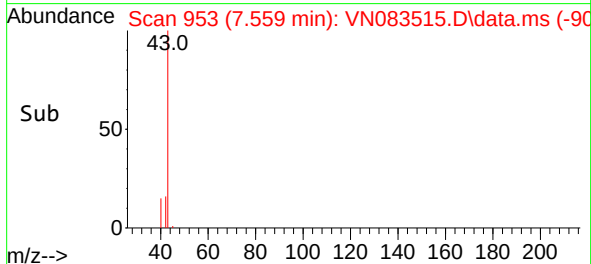


#37
Ethyl Acetate
Concen: 1.169 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN083515.D
Acq: 27 Aug 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :

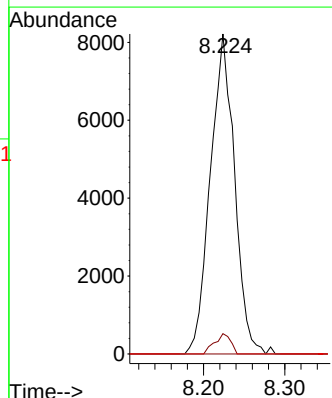
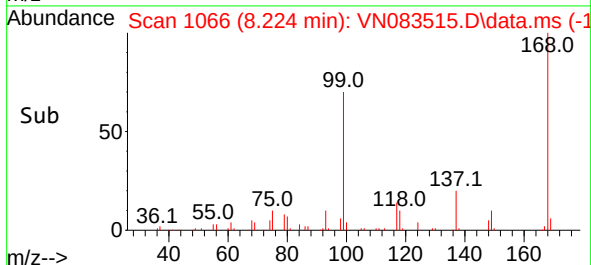
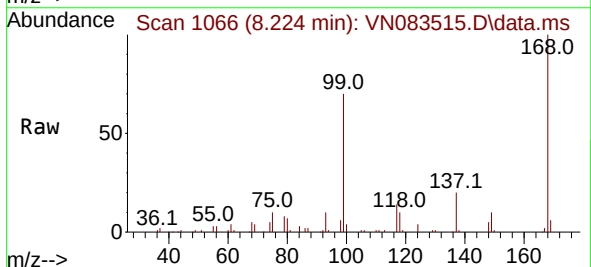


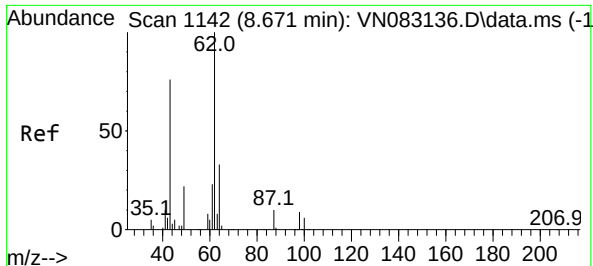
Tgt Ion: 43 Resp: 3552
Ion Ratio Lower Upper
43 100
61 11.9 9.3 13.9
70 1.6 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 5.583 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083515.D
Acq: 27 Aug 2024 17:30

Tgt Ion: 117 Resp: 17062
Ion Ratio Lower Upper
117 100
119 6.4 74.9 112.3#
121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.413 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN083515.D

Acq: 27 Aug 2024 17:30

Instrument :

MSVOA_N

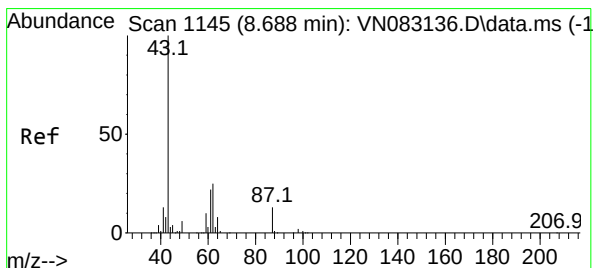
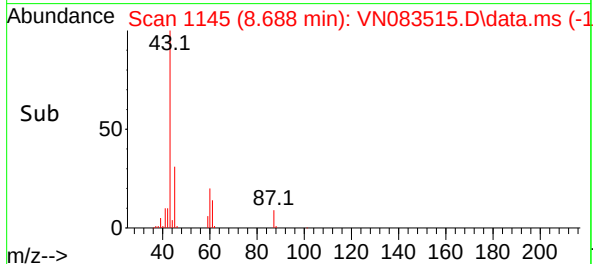
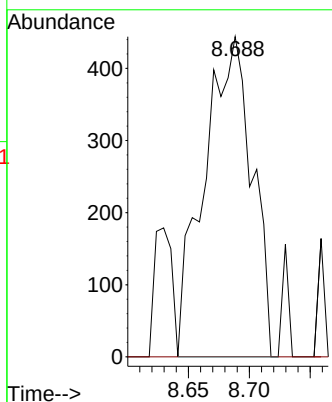
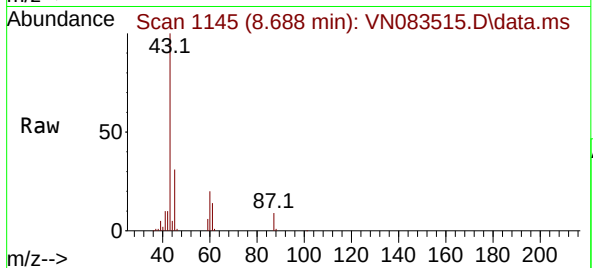
ClientSampleId :

Tgt Ion: 62 Resp: 1217

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 45.981 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083515.D

Acq: 27 Aug 2024 17:30

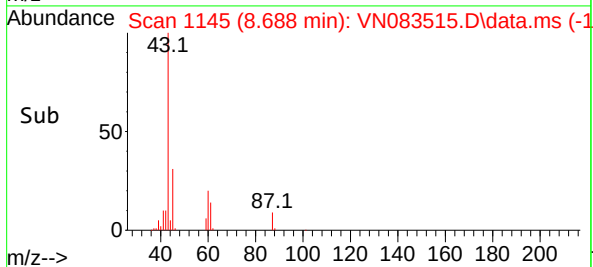
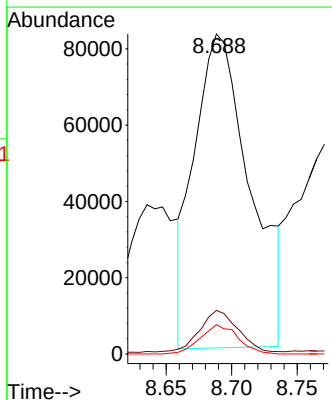
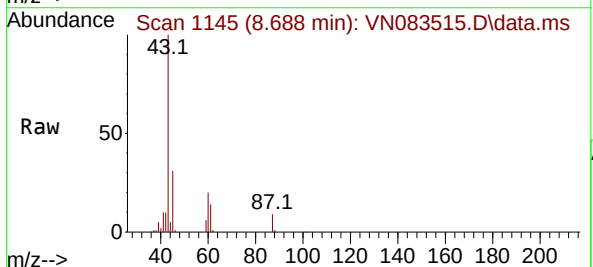
Tgt Ion: 43 Resp: 243650

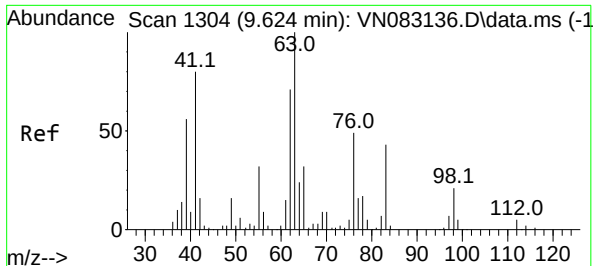
Ion Ratio Lower Upper

43 100

61 9.9 17.8 26.6#

87 6.3 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.609 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN083515.D

Acq: 27 Aug 2024 17:30

Instrument :

MSVOA_N

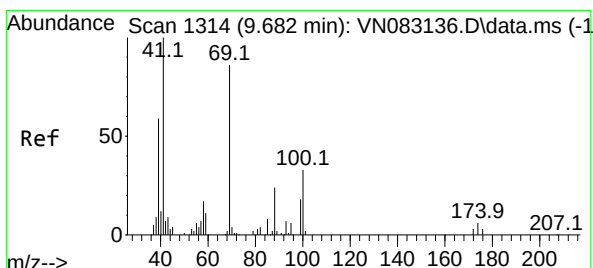
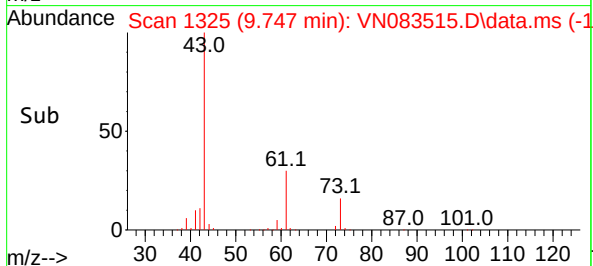
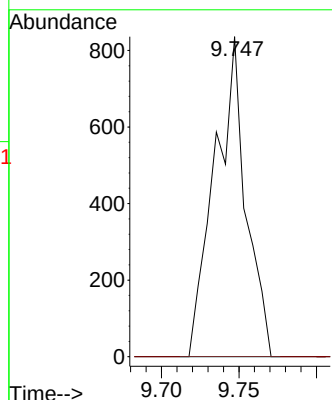
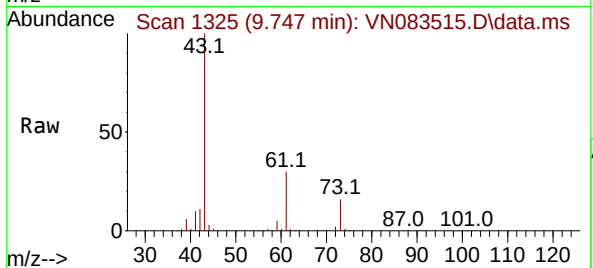
ClientSampleId :

Tgt Ion: 63 Resp: 1168

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.528 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN083515.D

Acq: 27 Aug 2024 17:30

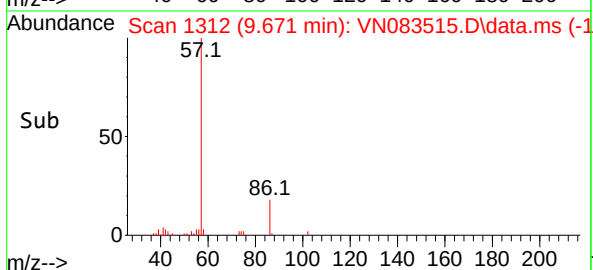
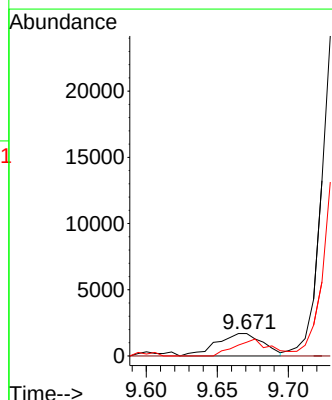
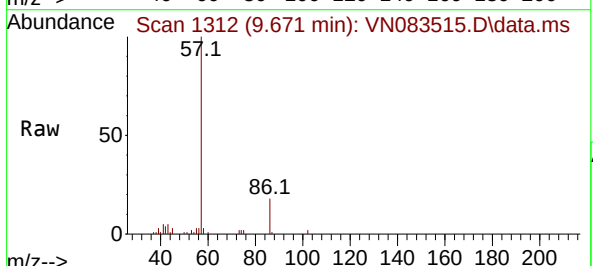
Tgt Ion: 41 Resp: 3837

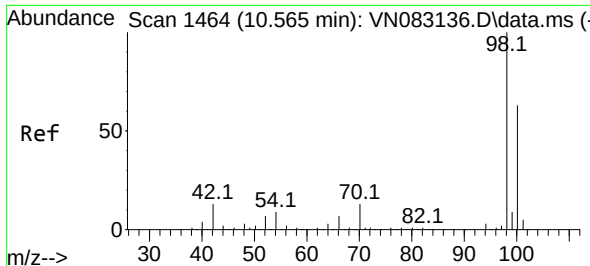
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 57.0 50.3 75.5

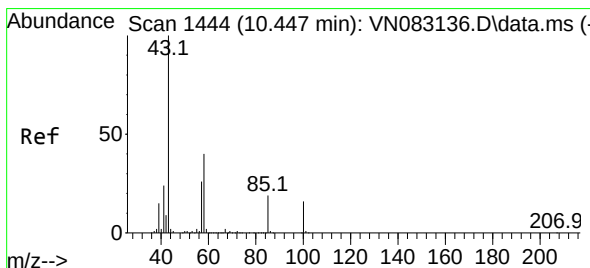
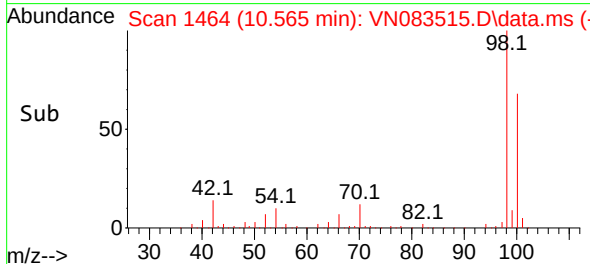
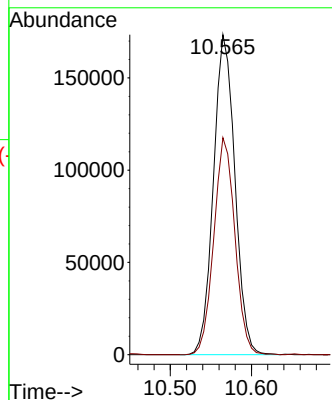
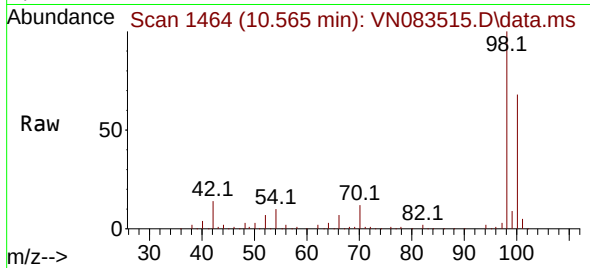




#50
Toluene-d8
Concen: 47.643 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083515.D
Acq: 27 Aug 2024 17:30

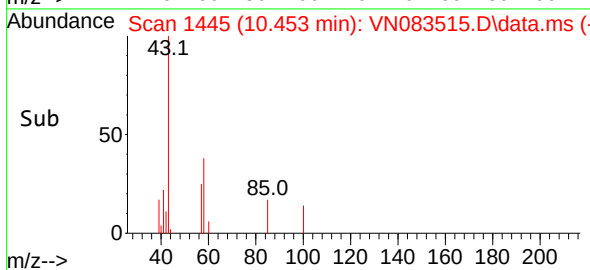
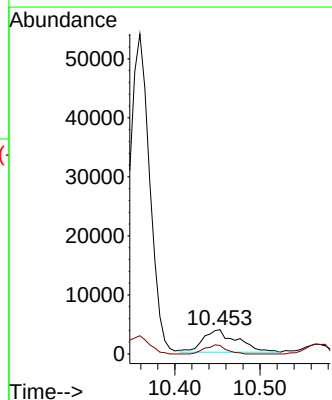
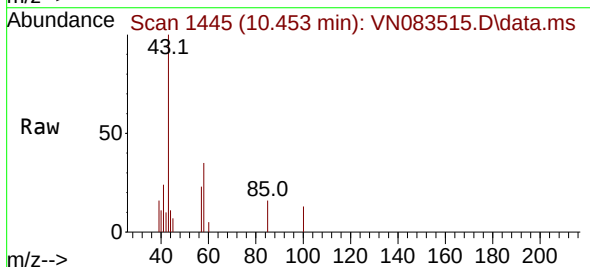
Instrument :
MSVOA_N
ClientSampleId :

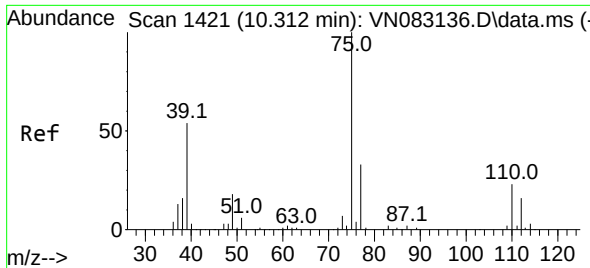
Tgt Ion: 98 Resp: 318786
Ion Ratio Lower Upper
98 100
100 66.7 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 3.710 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN083515.D
Acq: 27 Aug 2024 17:30

Tgt Ion: 43 Resp: 10658
Ion Ratio Lower Upper
43 100
58 24.7 28.2 42.4#

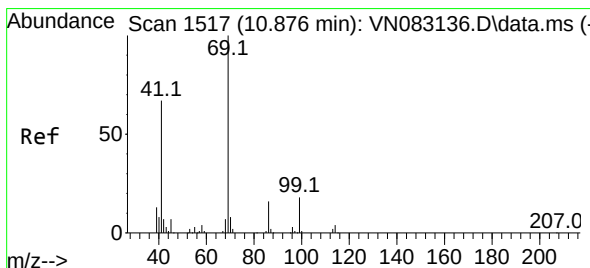
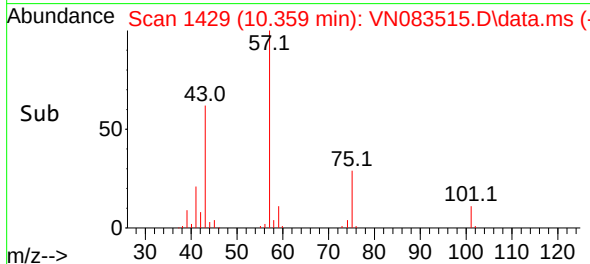
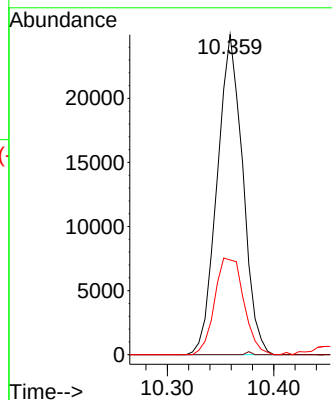
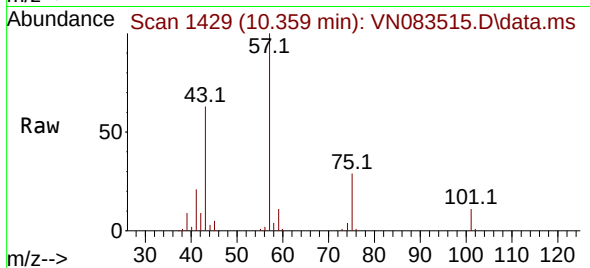




#54
 cis-1,3-Dichloropropene
 Concen: 12.372 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083515.D
 Acq: 27 Aug 2024 17:30

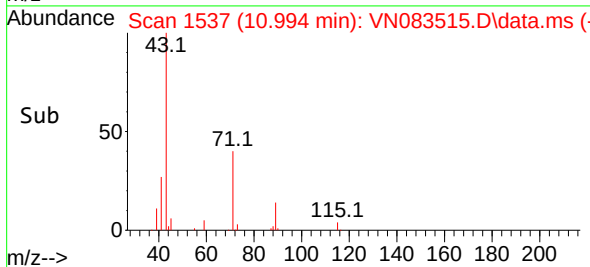
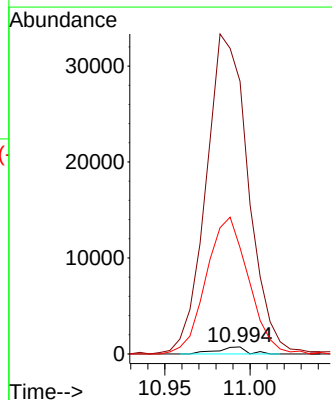
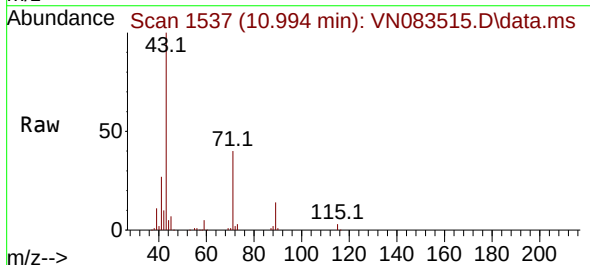
Instrument :
 MSVOA_N
 ClientSampleId :

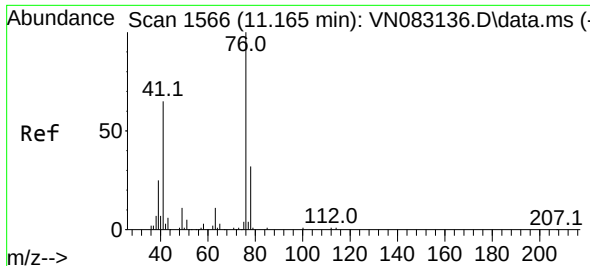
Tgt Ion: 75 Resp: 41685
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 29.6 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.258 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.118 min
 Lab File: VN083515.D
 Acq: 27 Aug 2024 17:30

Tgt Ion: 69 Resp: 889
 Ion Ratio Lower Upper
 69 100
 41 6495.8 63.4 95.2#
 39 2778.2 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.366 ug/l

RT: 11.200 min Scan# 1567

Delta R.T. 0.035 min

Lab File: VN083515.D

Acq: 27 Aug 2024 17:30

Instrument :

MSVOA_N

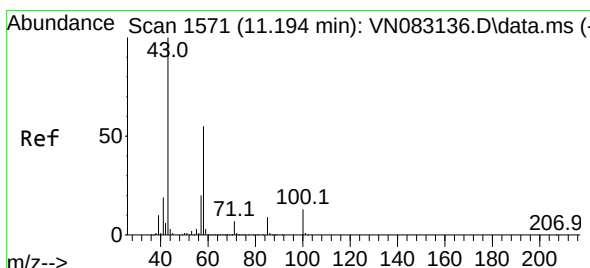
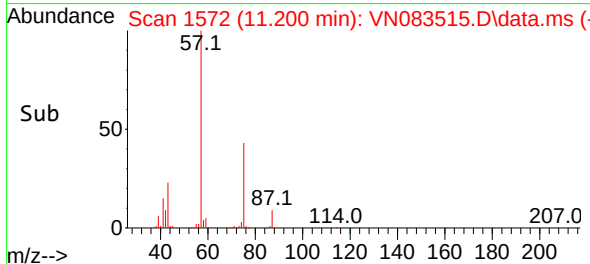
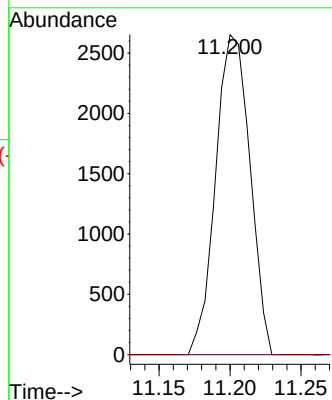
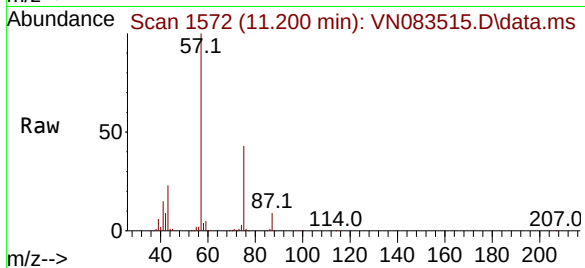
ClientSampleId :

Tgt Ion: 76 Resp: 4458

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 45.271 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN083515.D

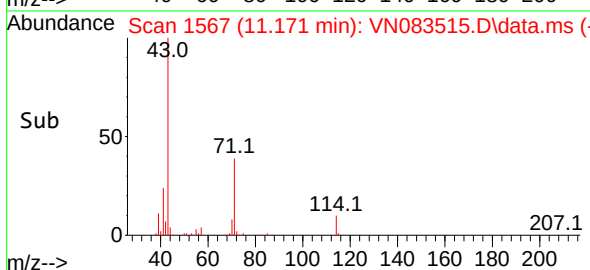
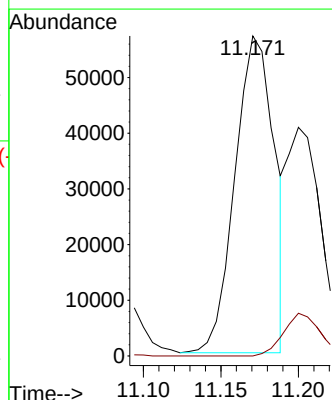
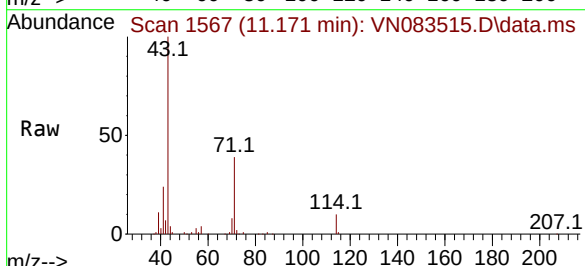
Acq: 27 Aug 2024 17:30

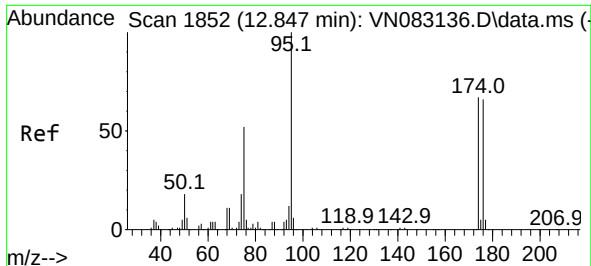
Tgt Ion: 43 Resp: 100622

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#

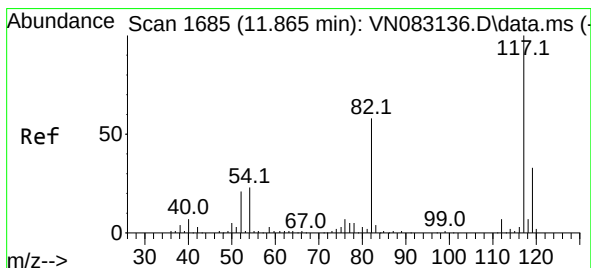
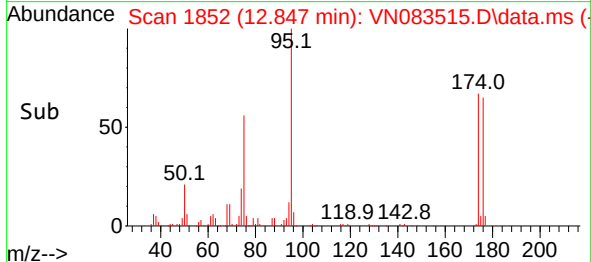
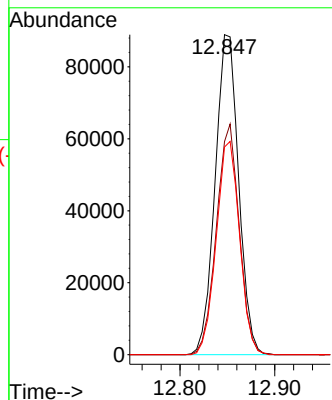
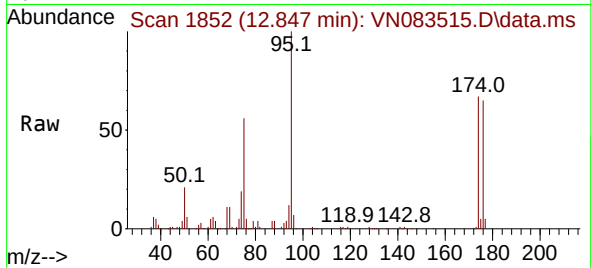




#62
4-Bromofluorobenzene
Concen: 58.786 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083515.D
Acq: 27 Aug 2024 17:30

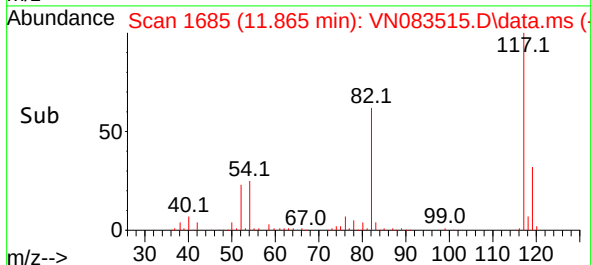
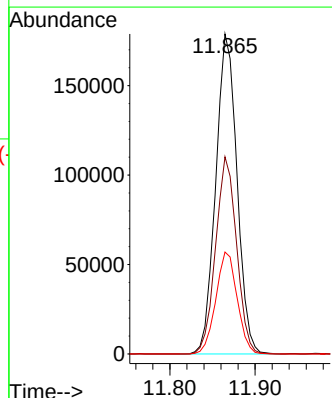
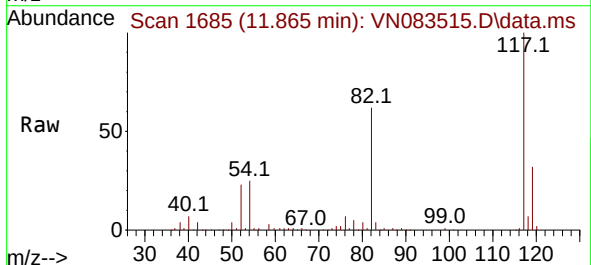
Instrument :
MSVOA_N
ClientSampleId :

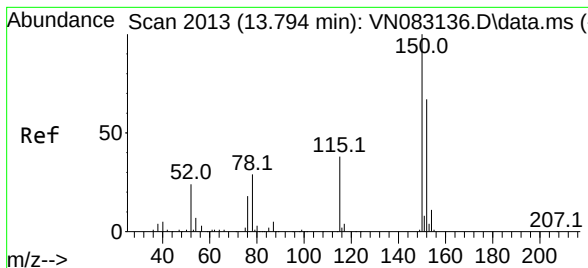
Tgt Ion: 95 Resp: 153346
Ion Ratio Lower Upper
95 100
174 70.1 0.0 159.2
176 66.1 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083515.D
Acq: 27 Aug 2024 17:30

Tgt Ion: 117 Resp: 310325
Ion Ratio Lower Upper
117 100
82 61.6 47.5 71.3
119 31.8 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

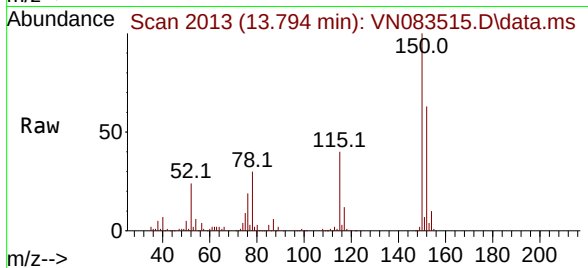
Lab File: VN083515.D

Acq: 27 Aug 2024 17:30

Instrument :

MSVOA_N

ClientSampleId :



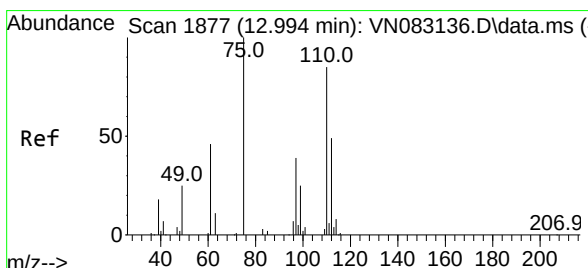
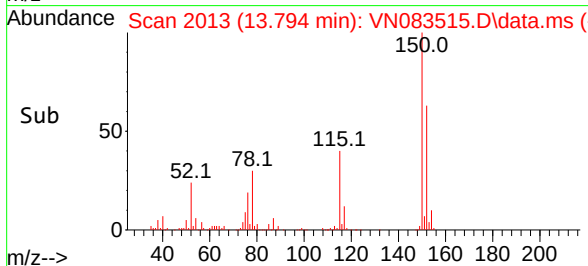
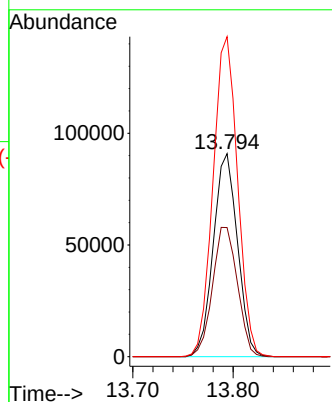
Tgt Ion:152 Resp: 152500

Ion Ratio Lower Upper

152 100

115 65.6 30.6 91.6

150 159.6 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 25.458 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083515.D

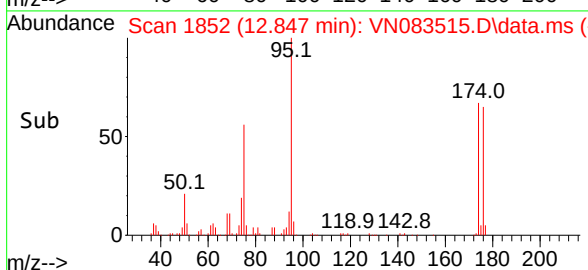
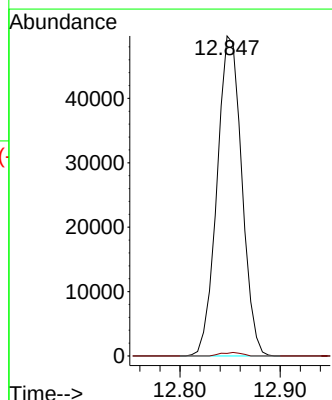
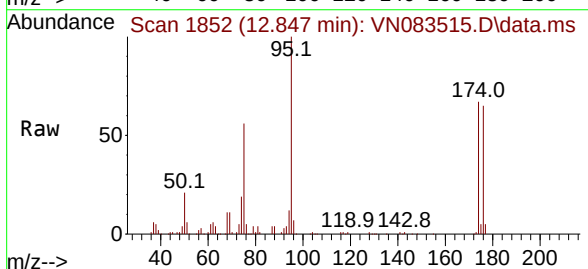
Acq: 27 Aug 2024 17:30

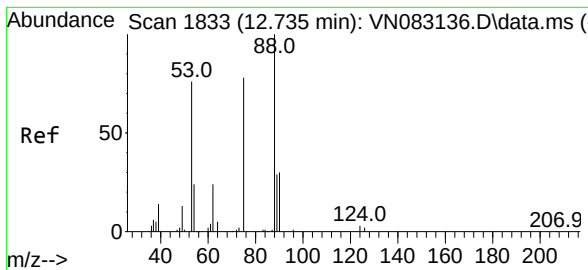
Tgt Ion: 75 Resp: 85208

Ion Ratio Lower Upper

75 100

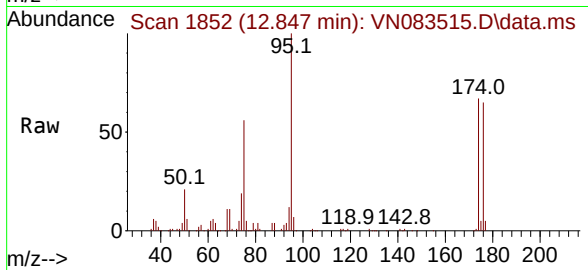
77 0.9 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.377 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083515.D
 Acq: 27 Aug 2024 17:30

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 85208
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.4 132.6#
 89 0.0 36.3 54.5#

