

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
 Data File : VN083507.D
 Acq On : 27 Aug 2024 14:16
 Operator : JC\MD
 Sample : PB162992ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 28 01:46:07 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

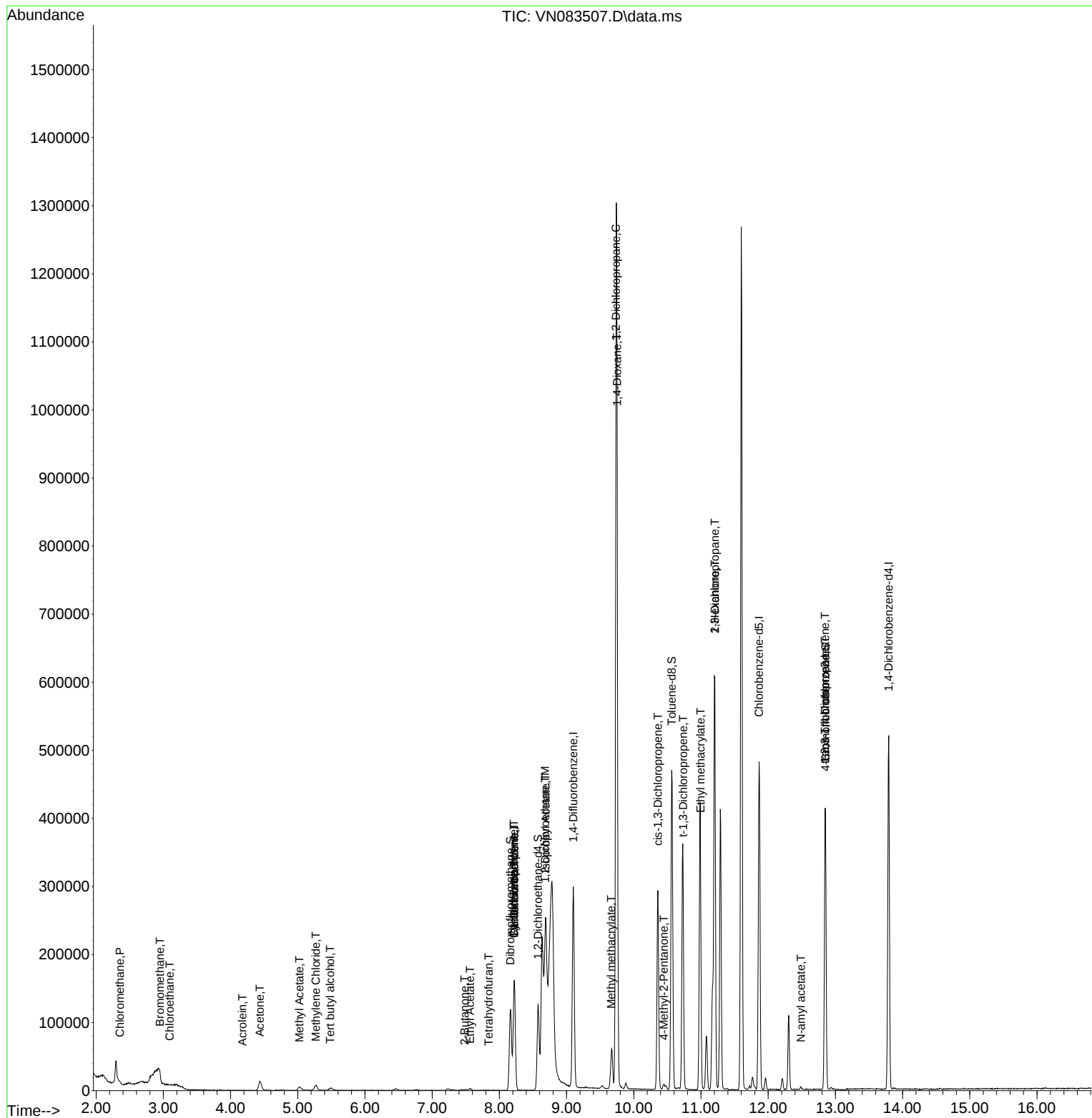
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	112626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	240250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	131311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	106929	66.701	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 133.400%#		
35) Dibromofluoromethane	8.165	113	84330	56.235	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 112.480%		
50) Toluene-d8	10.565	98	318170	56.879	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 113.760%#		
62) 4-Bromofluorobenzene	12.853	95	150223	68.884	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 137.760%#		
Target Compounds						Qvalue
3) Chloromethane	2.353	50	592	0.453	ug/l #	43
5) Bromomethane	2.948	94	400	0.483	ug/l #	79
6) Chloroethane	3.095	64	1070	1.282	ug/l #	41
11) Tert butyl alcohol	5.483	59	3472	10.422	ug/l #	71
13) Acrolein	4.177	56	54	0.249	ug/l #	14
16) Acetone	4.436	43	20504	32.687	ug/l	93
18) Methyl Acetate	5.024	43	10766	5.760	ug/l	100
20) Methylene Chloride	5.271	84	5332	3.693	ug/l #	81
25) 2-Butanone	7.483	43	2225	2.310	ug/l #	53
29) Tetrahydrofuran	7.841	42	420	0.675	ug/l #	38
31) Cyclohexane	8.218	56	3057	1.287	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	10466	4.614	ug/l #	49
37) Ethyl Acetate	7.565	43	4211	1.658	ug/l #	95
38) Carbon Tetrachloride	8.218	117	13348	5.224	ug/l #	16
42) 1,2-Dichloroethane	8.682	62	1956	0.795	ug/l #	78
43) Isopropyl Acetate	8.688	43	319058	74.506	ug/l #	79
45) 1,2-Dichloropropane	9.735	63	1512	0.943	ug/l #	44
48) Methyl methacrylate	9.665	41	4022	1.915	ug/l #	51
49) 1,4-Dioxane	9.753	88	67	1.769	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	4820	2.007	ug/l	96
53) t-1,3-Dichloropropene	10.735	75	971	0.367	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	51082	18.135	ug/l #	56
56) Ethyl methacrylate	10.994	69	1239	0.430	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6546	2.400	ug/l #	43
59) 2-Hexanone	11.206	43	86877	46.754	ug/l #	56
74) N-amyl acetate	12.488	43	2138	0.398	ug/l #	50
76) 1,2,3-Trichloropropane	12.847	75	82751	28.714	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	82751	62.459	ug/l #	6

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

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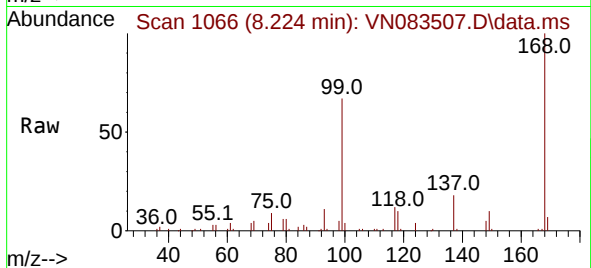
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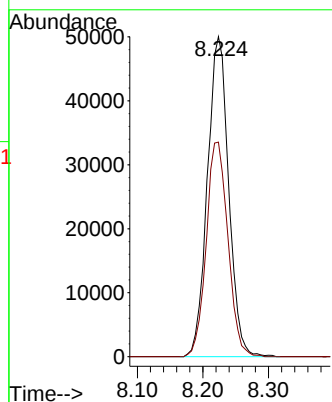
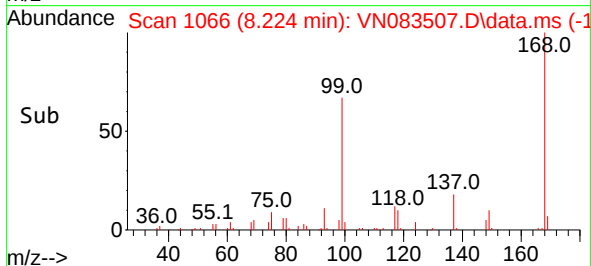


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083507.D
Acq: 27 Aug 2024 14:16

Instrument :
MSVOA_N
ClientSampleId :

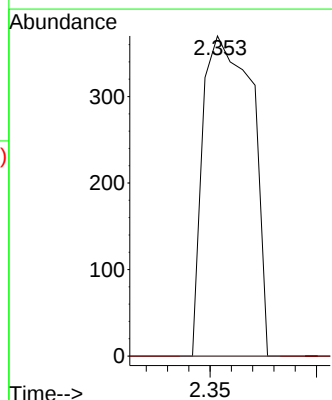
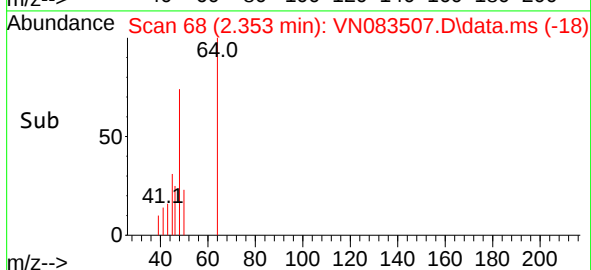
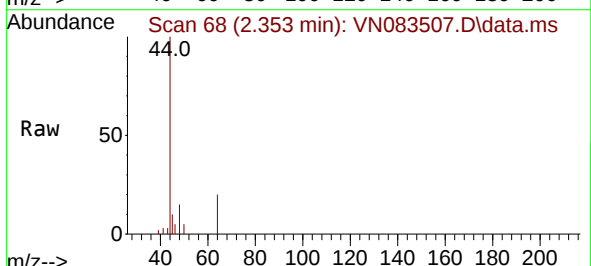


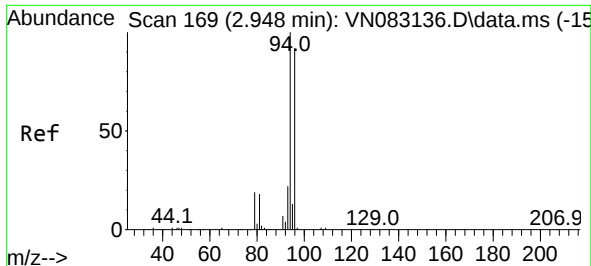
Tgt Ion:168 Resp: 112626
Ion Ratio Lower Upper
168 100
99 67.0 48.2 72.4



#3
Chloromethane
Concen: 0.453 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN083507.D
Acq: 27 Aug 2024 14:16

Tgt Ion: 50 Resp: 592
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

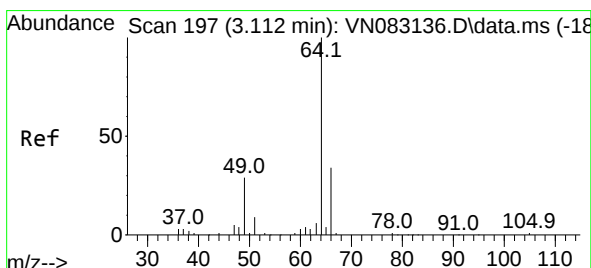
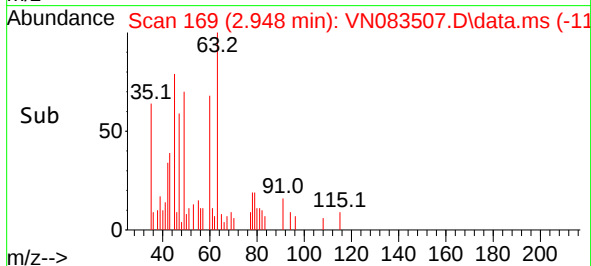
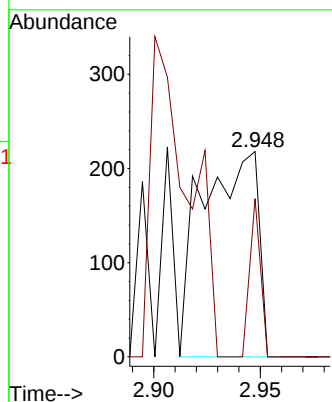
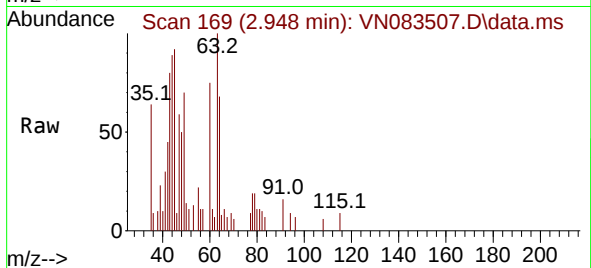




#5
Bromomethane
Concen: 0.483 ug/l
RT: 2.948 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083507.D
Acq: 27 Aug 2024 14:16

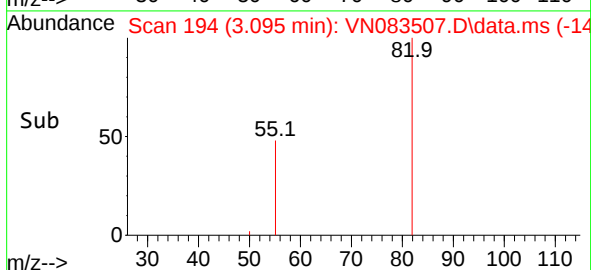
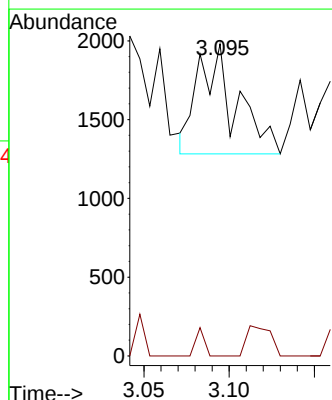
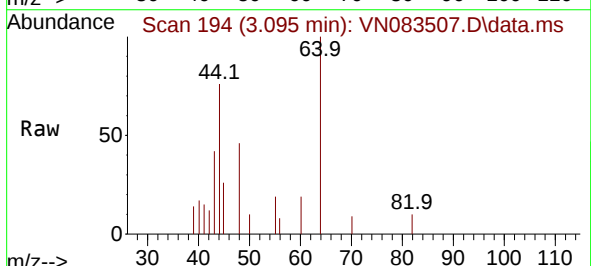
Instrument :
MSVOA_N
ClientSampleId :

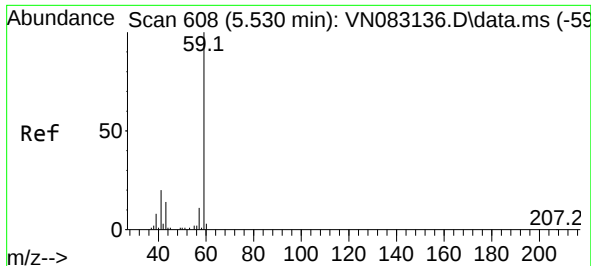
Tgt Ion: 94 Resp: 400
Ion Ratio Lower Upper
94 100
96 77.1 78.0 117.0#



#6
Chloroethane
Concen: 1.282 ug/l
RT: 3.095 min Scan# 194
Delta R.T. -0.018 min
Lab File: VN083507.D
Acq: 27 Aug 2024 14:16

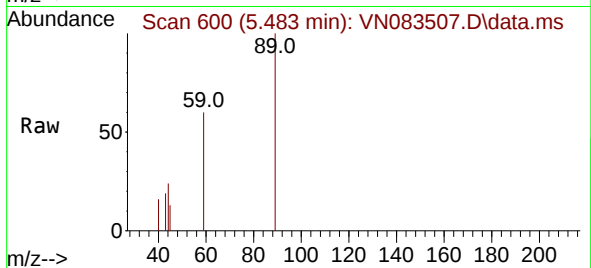
Tgt Ion: 64 Resp: 1070
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



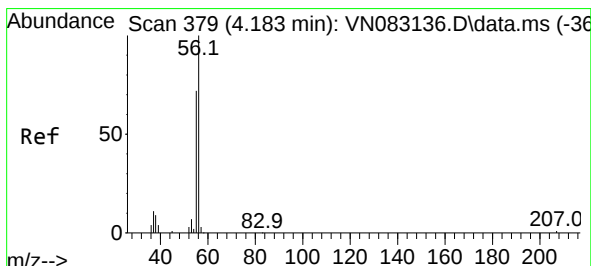
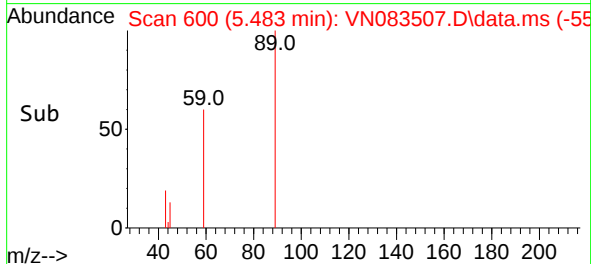
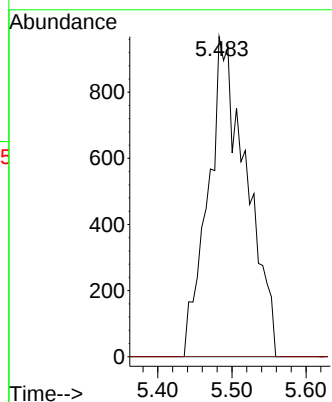


#11
Tert butyl alcohol
Concen: 10.422 ug/l
RT: 5.483 min Scan# 608
Delta R.T. -0.047 min
Lab File: VN083507.D
Acq: 27 Aug 2024 14:16

Instrument :
MSVOA_N
ClientSampleId :

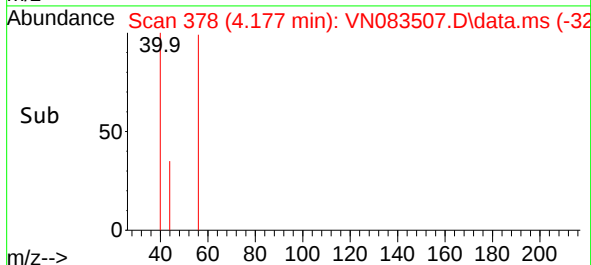
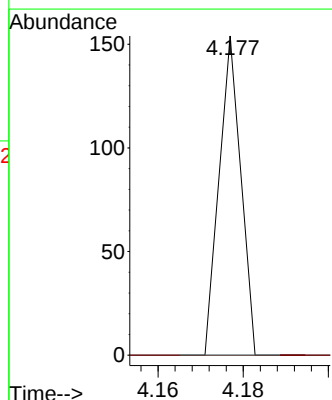
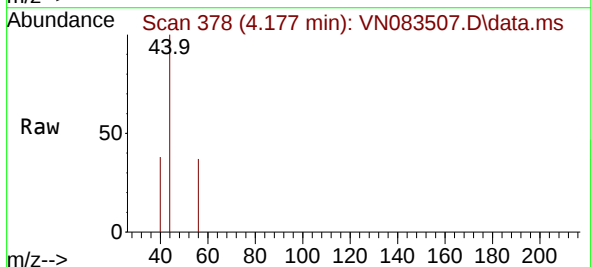


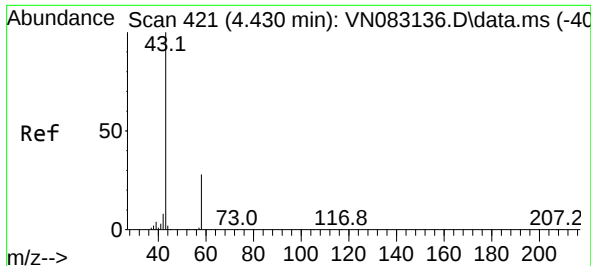
Tgt Ion: 59 Resp: 3472
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#13
Acrolein
Concen: 0.249 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.006 min
Lab File: VN083507.D
Acq: 27 Aug 2024 14:16

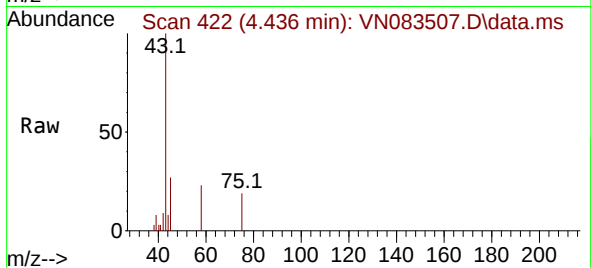
Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



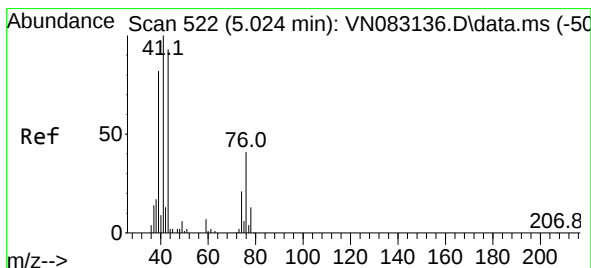
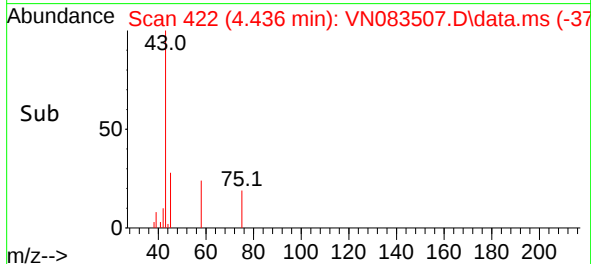
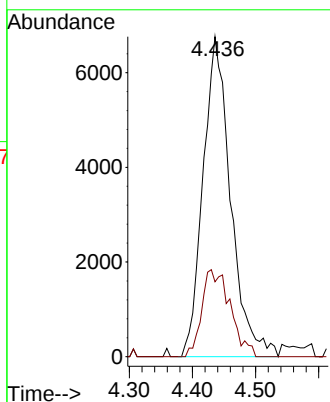


#16
Acetone
Concen: 32.687 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083507.D
Acq: 27 Aug 2024 14:16

Instrument :
MSVOA_N
ClientSampleId :

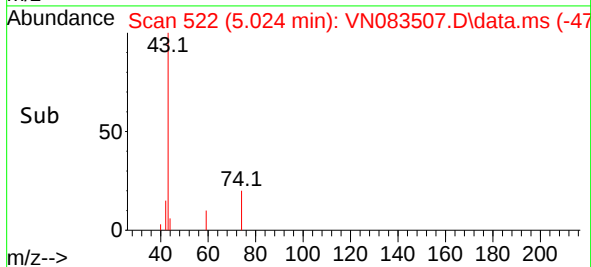
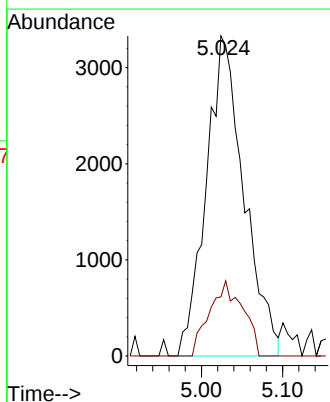
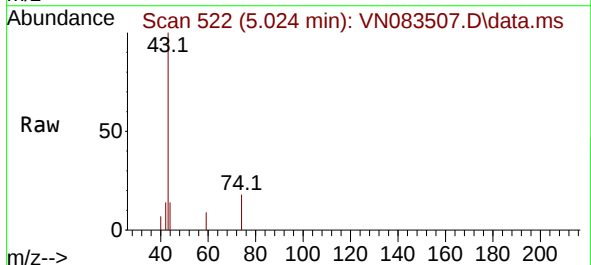


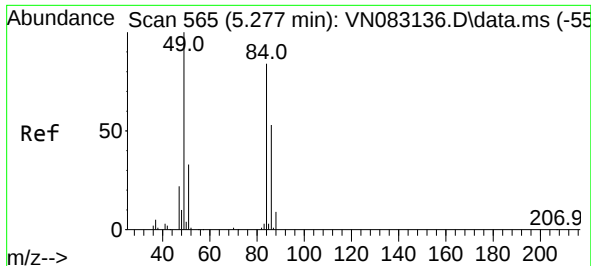
Tgt Ion: 43 Resp: 20504
Ion Ratio Lower Upper
43 100
58 23.4 21.8 32.6



#18
Methyl Acetate
Concen: 5.760 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN083507.D
Acq: 27 Aug 2024 14:16

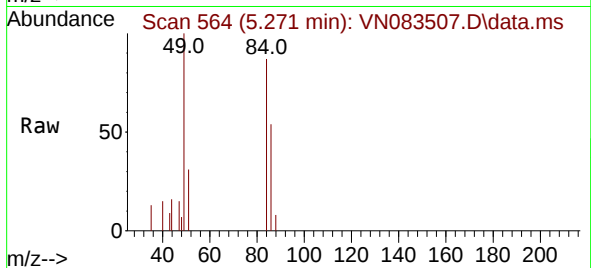
Tgt Ion: 43 Resp: 10766
Ion Ratio Lower Upper
43 100
74 20.6 16.3 24.5



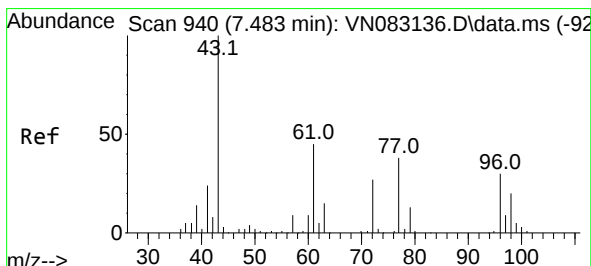
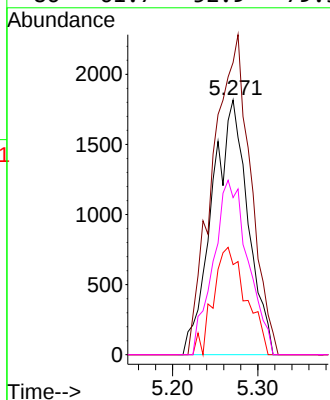
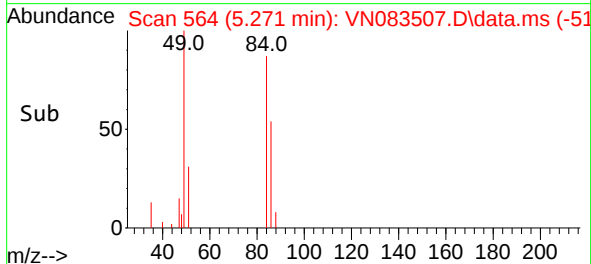


#20
Methylene Chloride
Concen: 3.693 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN083507.D
Acq: 27 Aug 2024 14:16

Instrument :
MSVOA_N
ClientSampleId :

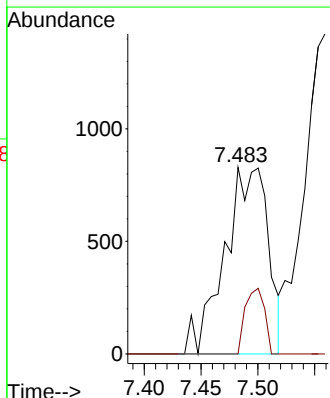
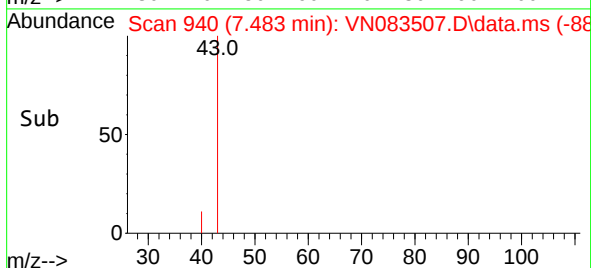
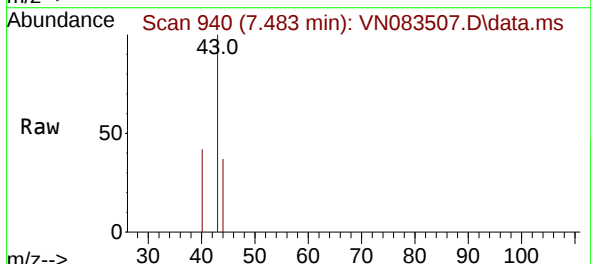


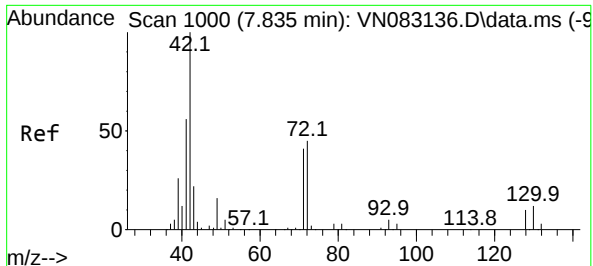
Tgt Ion: 84 Resp: 5332
Ion Ratio Lower Upper
84 100
49 114.7 119.6 179.4#
51 35.4 34.8 52.2
86 61.7 52.9 79.3



#25
2-Butanone
Concen: 2.310 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN083507.D
Acq: 27 Aug 2024 14:16

Tgt Ion: 43 Resp: 2225
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2#





#29

Tetrahydrofuran

Concen: 0.675 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

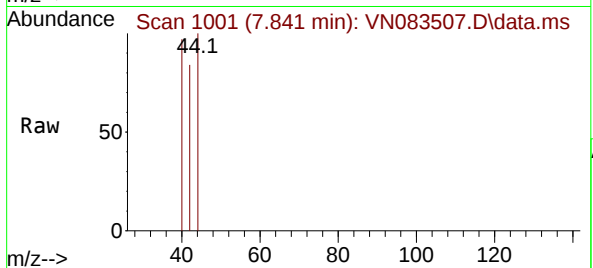
Lab File: VN083507.D

Acq: 27 Aug 2024 14:16

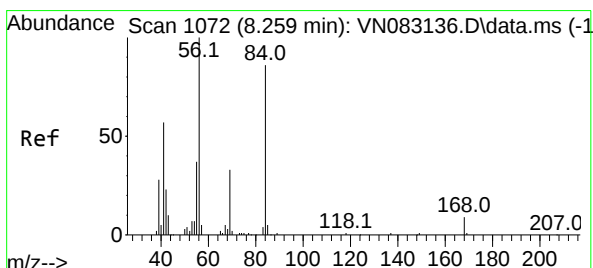
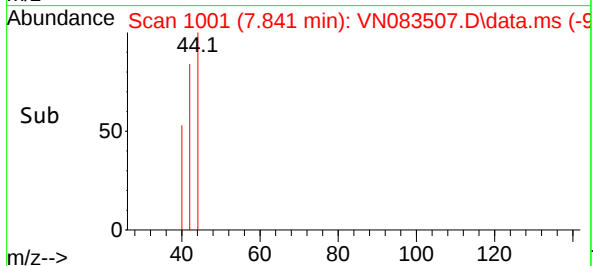
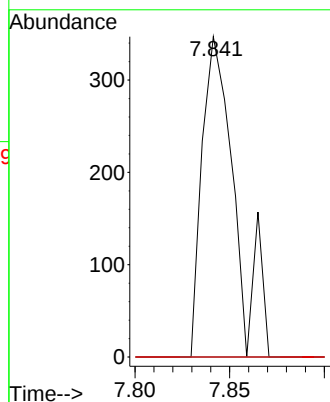
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	420
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.0	45.0#
71	0.0	28.3	42.5#



#31

Cyclohexane

Concen: 1.287 ug/l

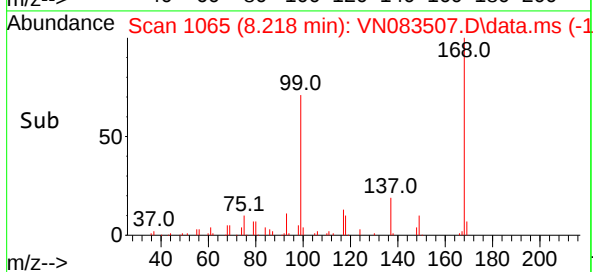
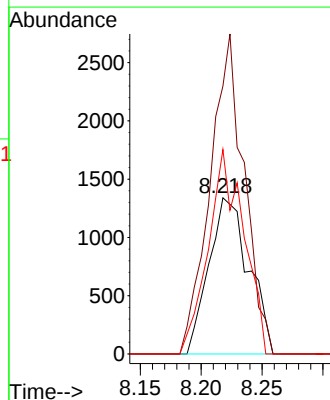
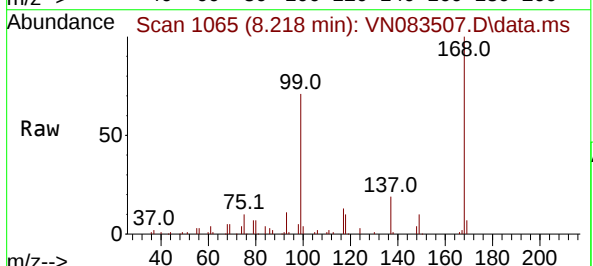
RT: 8.218 min Scan# 1065

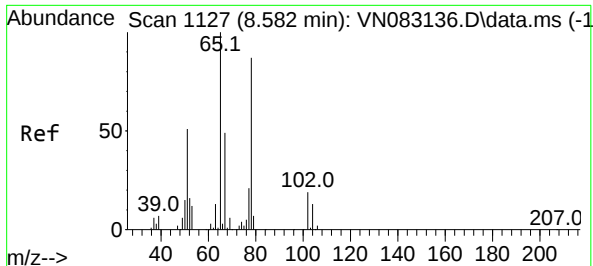
Delta R.T. -0.041 min

Lab File: VN083507.D

Acq: 27 Aug 2024 14:16

Tgt Ion:	56	Resp:	3057
Ion	Ratio	Lower	Upper
56	100		
69	171.5	24.5	36.7#
84	131.0	66.0	99.0#





#33

1,2-Dichloroethane-d4

Concen: 66.701 ug/l

RT: 8.577 min Scan# 1127

Delta R.T. -0.005 min

Lab File: VN083507.D

Acq: 27 Aug 2024 14:16

Instrument :

MSVOA_N

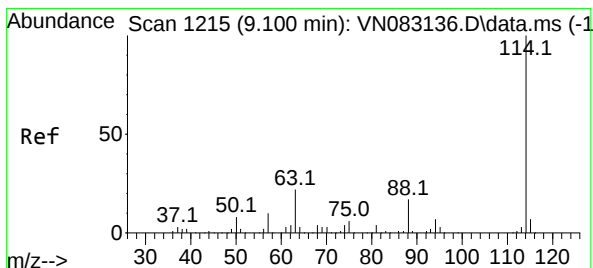
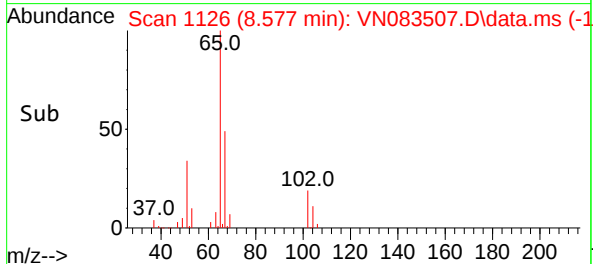
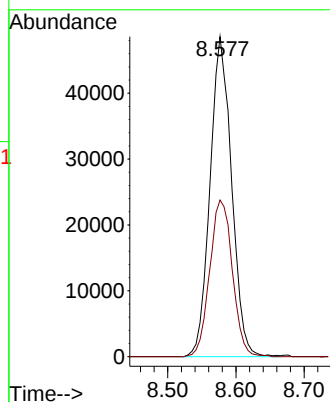
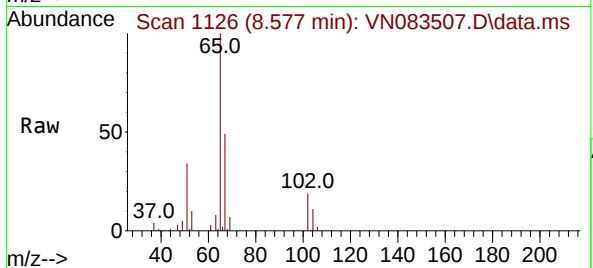
ClientSampleId :

Tgt Ion: 65 Resp: 106929

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: VN083507.D

Acq: 27 Aug 2024 14:16

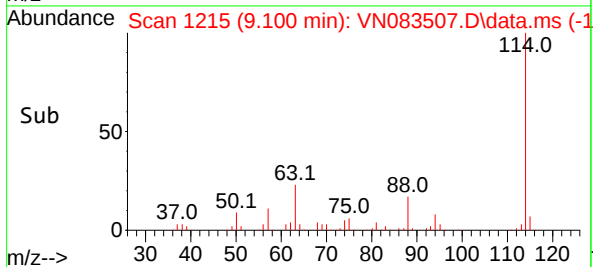
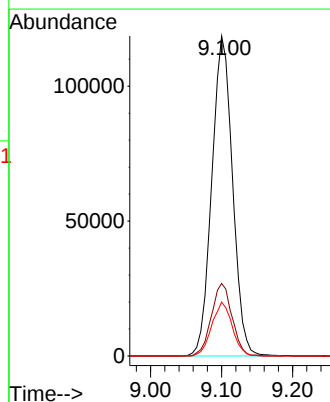
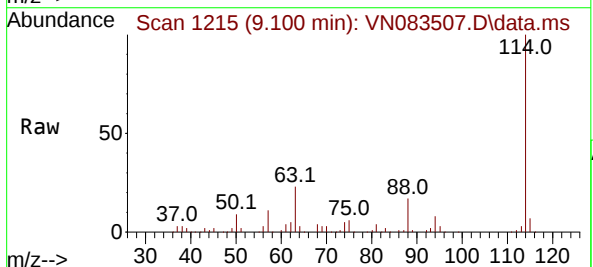
Tgt Ion: 114 Resp: 240250

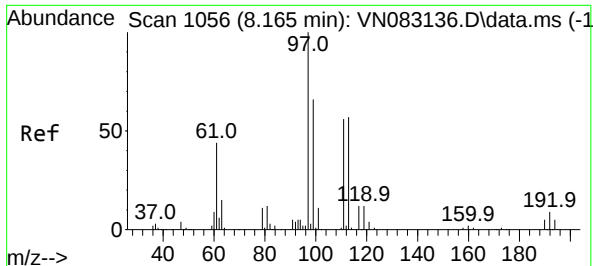
Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.6

88 16.8 0.0 31.4

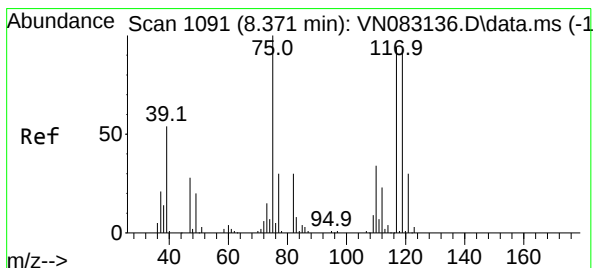
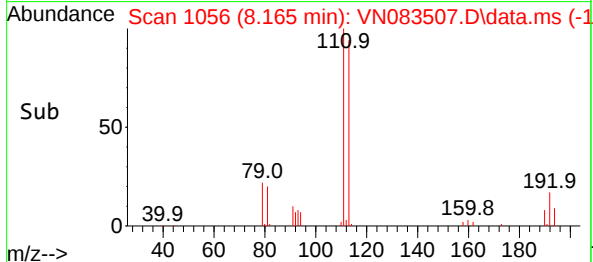
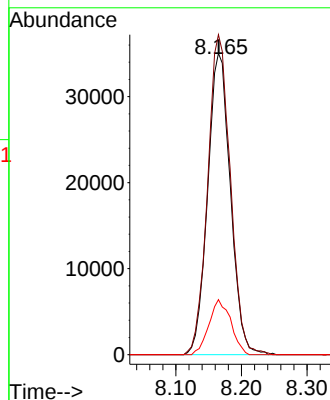
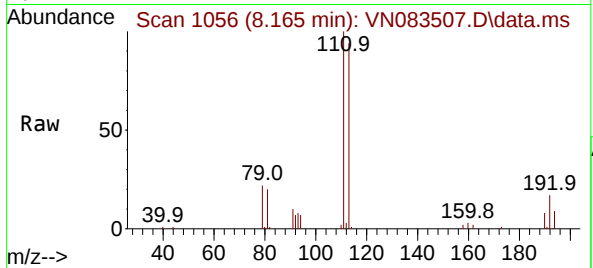




#35
Dibromofluoromethane
Concen: 56.235 ug/l
RT: 8.165 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN083507.D
Acq: 27 Aug 2024 14:16

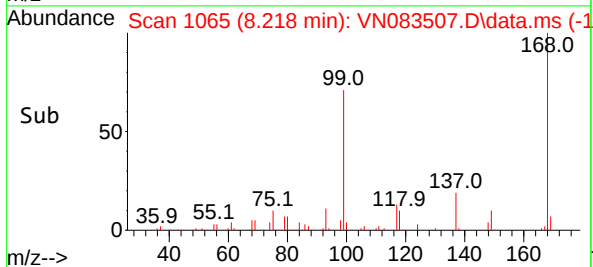
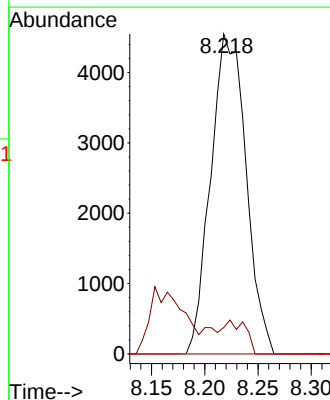
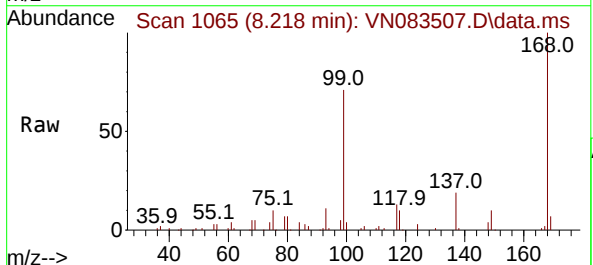
Instrument :
MSVOA_N
ClientSampleId :

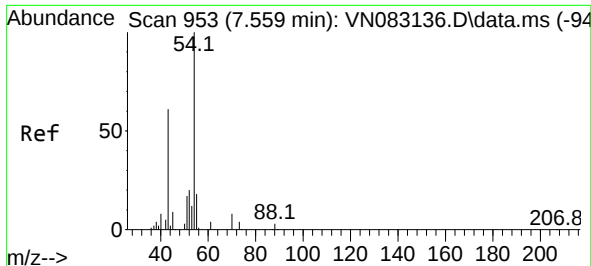
Tgt Ion:113 Resp: 84330
Ion Ratio Lower Upper
113 100
111 105.8 82.4 123.6
192 17.6 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.614 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN083507.D
Acq: 27 Aug 2024 14:16

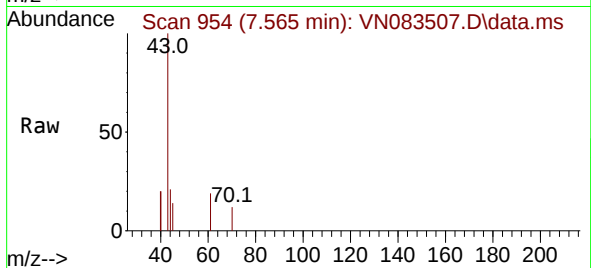
Tgt Ion: 75 Resp: 10466
Ion Ratio Lower Upper
75 100
110 6.7 16.3 48.9#
77 0.0 24.6 37.0#



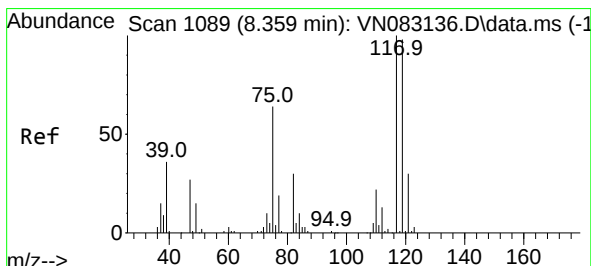
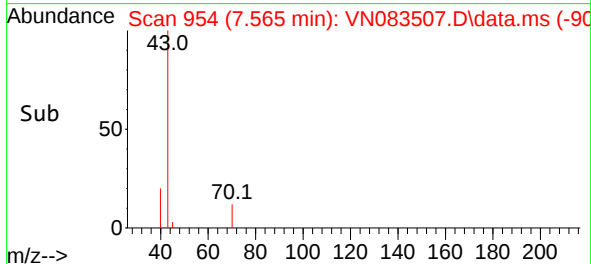
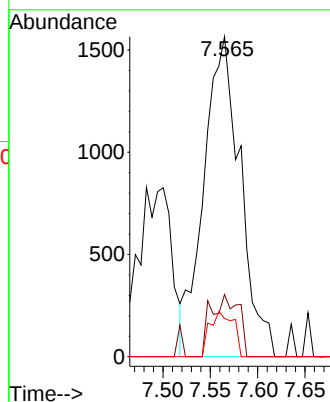


#37
Ethyl Acetate
Concen: 1.658 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN083507.D
Acq: 27 Aug 2024 14:16

Instrument :
MSVOA_N
ClientSampleId :

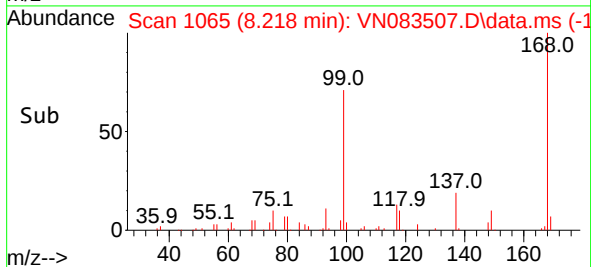
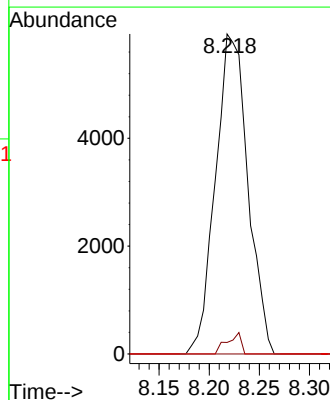
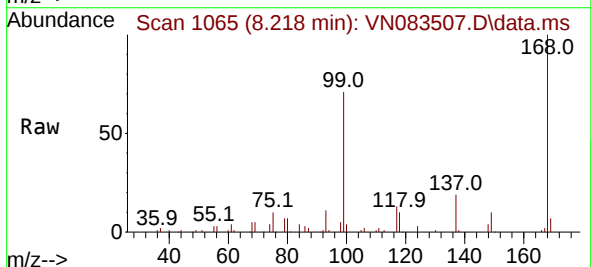


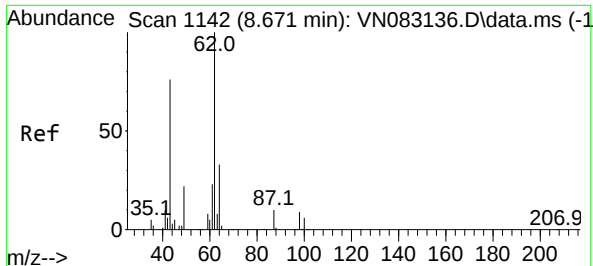
Tgt Ion: 43 Resp: 4211
Ion Ratio Lower Upper
43 100
61 14.6 9.3 13.9#
70 9.1 7.0 10.6



#38
Carbon Tetrachloride
Concen: 5.224 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN083507.D
Acq: 27 Aug 2024 14:16

Tgt Ion: 117 Resp: 13348
Ion Ratio Lower Upper
117 100
119 3.6 74.9 112.3#
121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.795 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

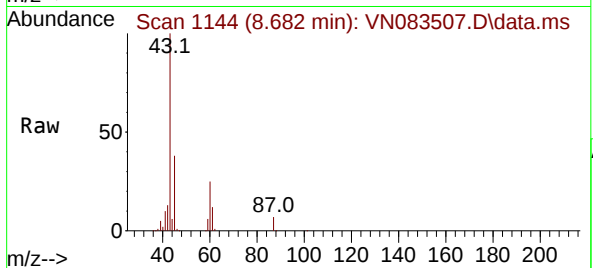
Lab File: VN083507.D

Acq: 27 Aug 2024 14:16

Instrument :

MSVOA_N

ClientSampleId :

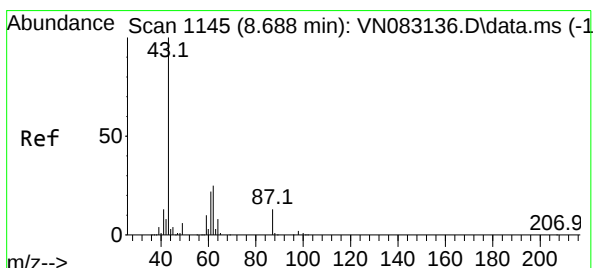
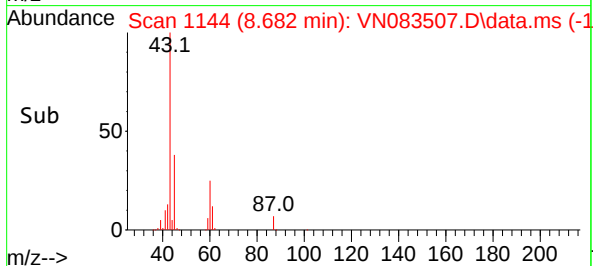
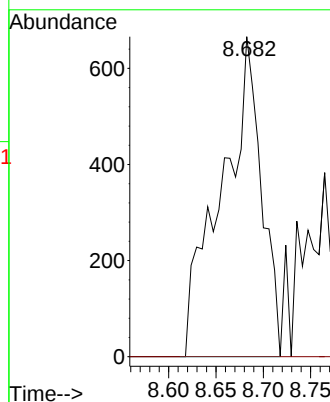


Tgt Ion: 62 Resp: 1956

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 74.506 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083507.D

Acq: 27 Aug 2024 14:16

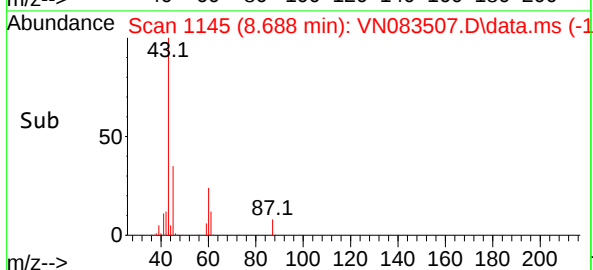
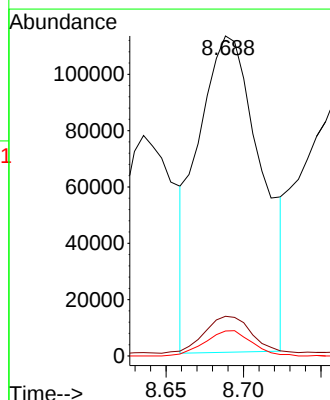
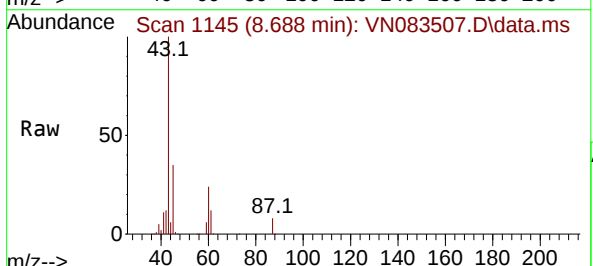
Tgt Ion: 43 Resp: 319058

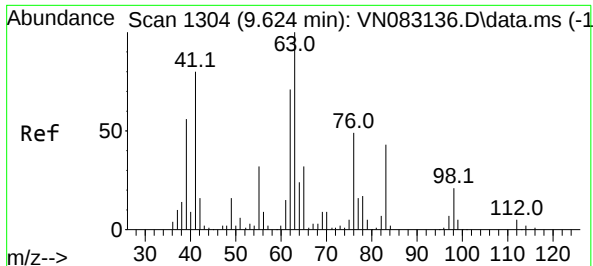
Ion Ratio Lower Upper

43 100

61 10.3 17.8 26.6#

87 5.9 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.943 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN083507.D

Acq: 27 Aug 2024 14:16

Instrument :

MSVOA_N

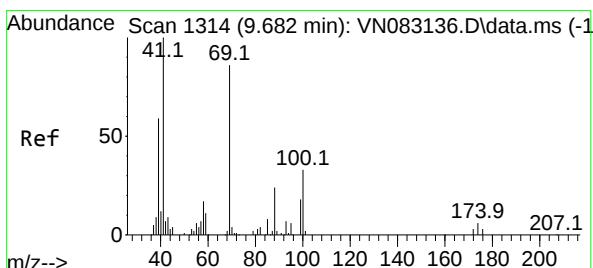
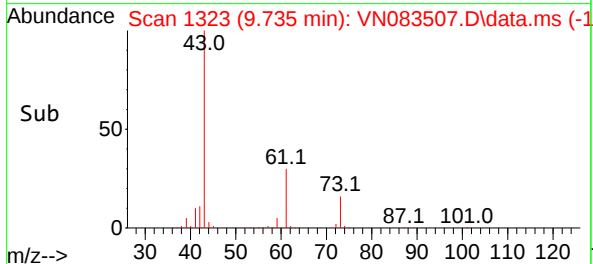
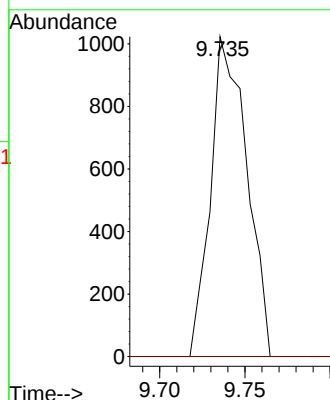
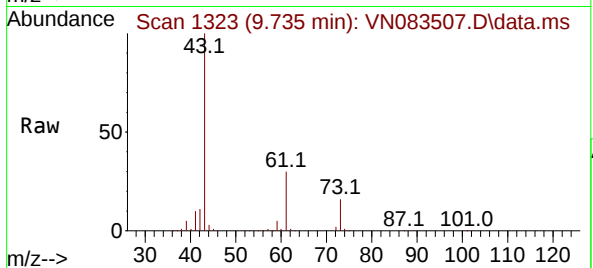
ClientSampleId :

Tgt Ion: 63 Resp: 1512

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.915 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN083507.D

Acq: 27 Aug 2024 14:16

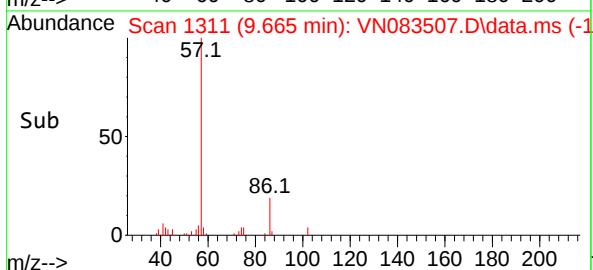
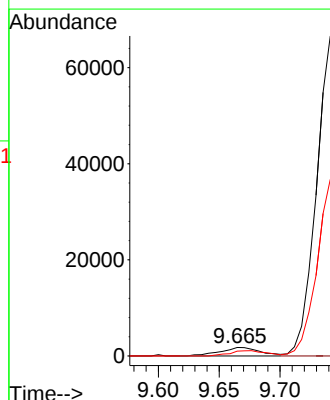
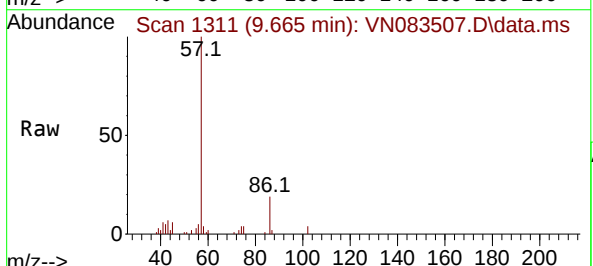
Tgt Ion: 41 Resp: 4022

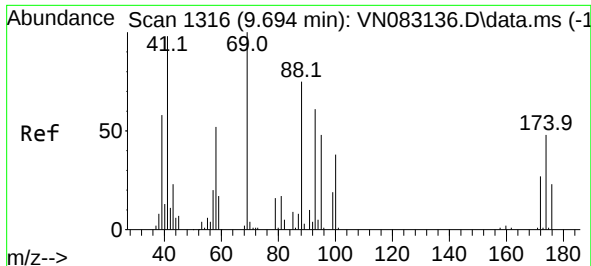
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 56.6 50.3 75.5





#49

1,4-Dioxane

Concen: 1.769 ug/l

RT: 9.753 min Scan# 1326

Delta R.T. 0.059 min

Lab File: VN083507.D

Acq: 27 Aug 2024 14:16

Instrument :

MSVOA_N

ClientSampleId :

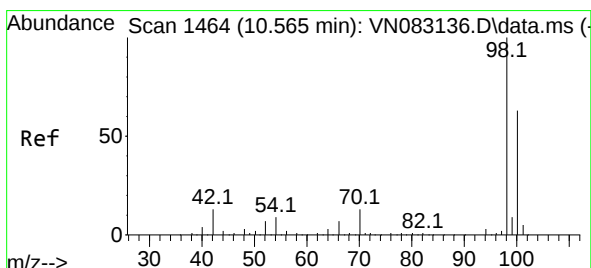
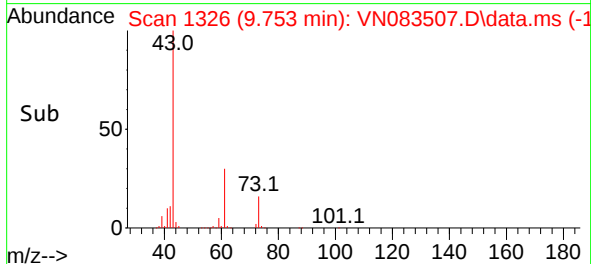
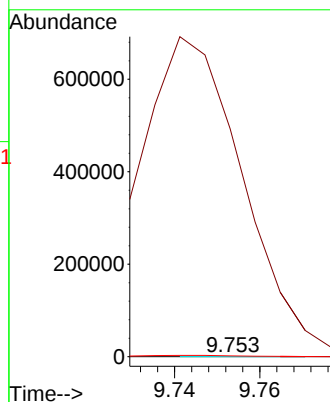
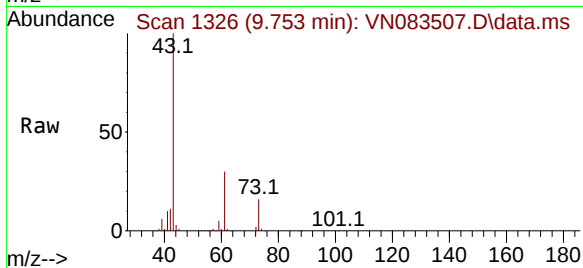
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 1841083.6 27.8 41.8#

58 7710.4 59.4 89.0#



#50

Toluene-d8

Concen: 56.879 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083507.D

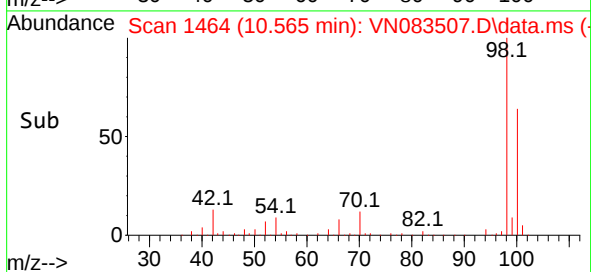
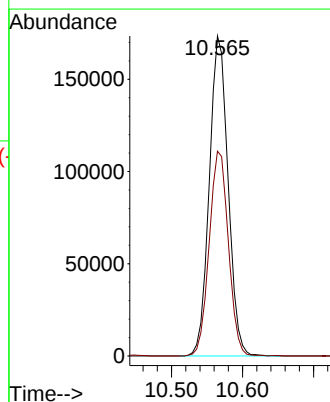
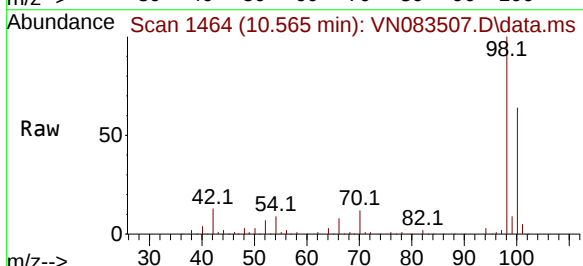
Acq: 27 Aug 2024 14:16

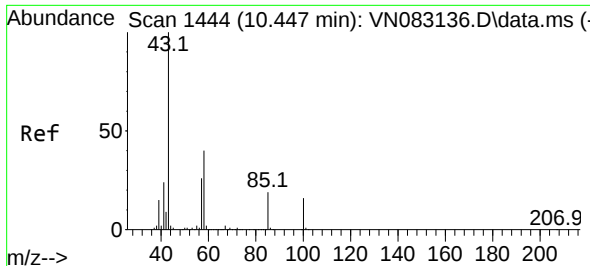
Tgt Ion: 98 Resp: 318170

Ion Ratio Lower Upper

98 100

100 65.4 51.5 77.3

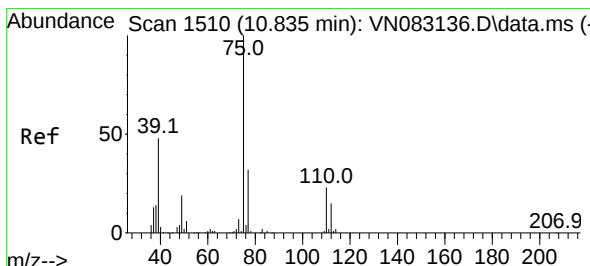
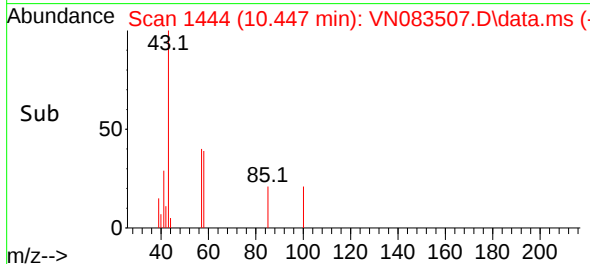
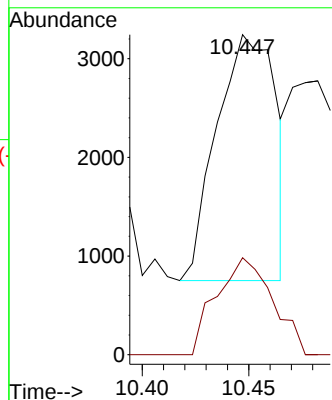
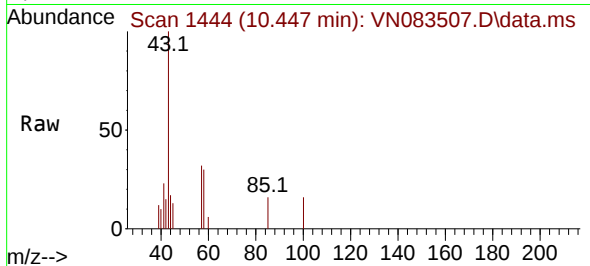




#51
4-Methyl-2-Pentanone
Concen: 2.007 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083507.D
Acq: 27 Aug 2024 14:16

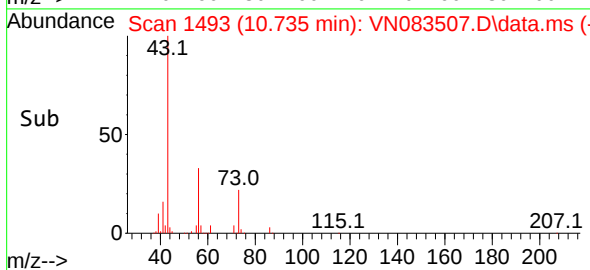
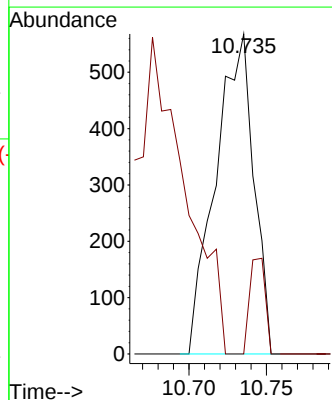
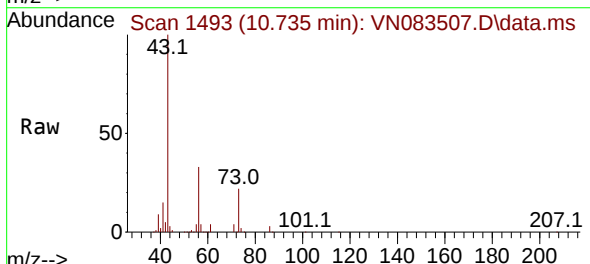
Instrument :
MSVOA_N
ClientSampleId :

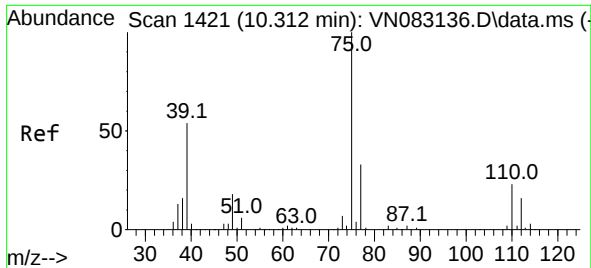
Tgt Ion: 43 Resp: 4820
Ion Ratio Lower Upper
43 100
58 37.5 28.2 42.4



#53
t-1,3-Dichloropropene
Concen: 0.367 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN083507.D
Acq: 27 Aug 2024 14:16

Tgt Ion: 75 Resp: 971
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

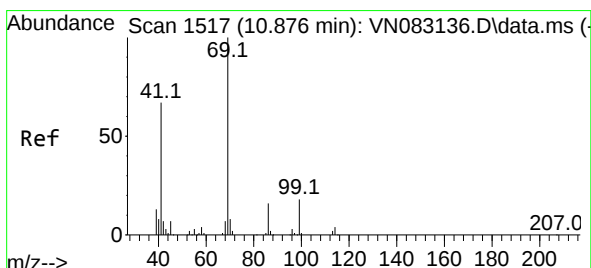
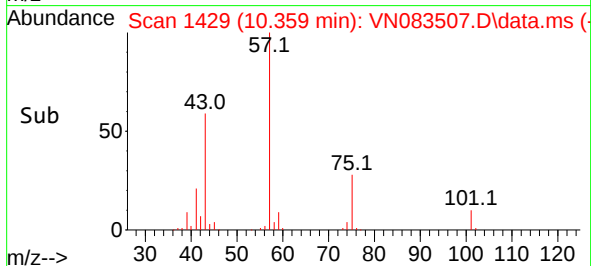
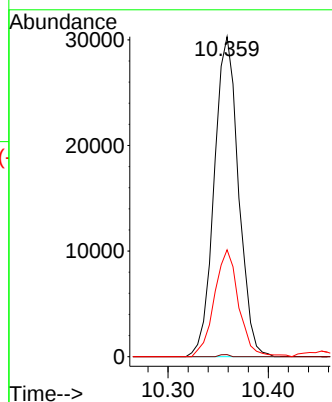
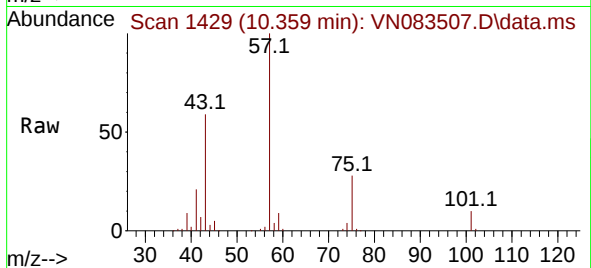




#54
 cis-1,3-Dichloropropene
 Concen: 18.135 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083507.D
 Acq: 27 Aug 2024 14:16

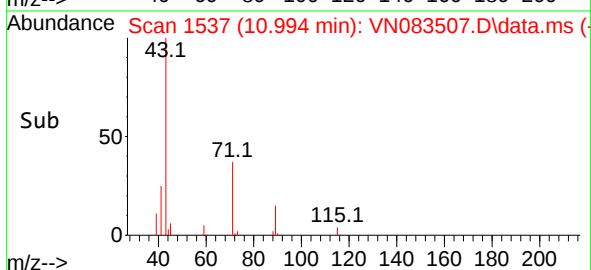
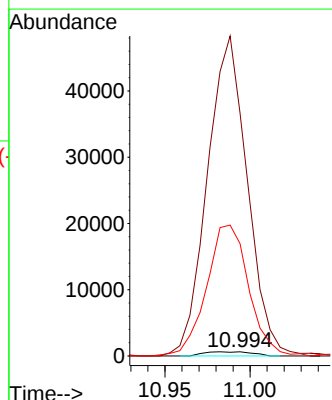
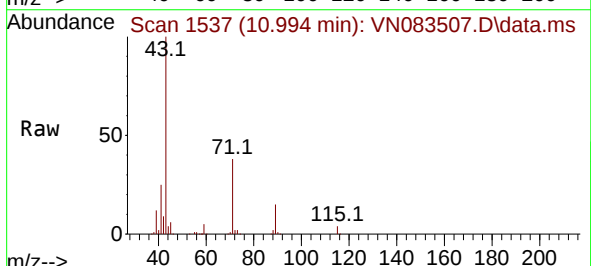
Instrument :
 MSVOA_N
 ClientSampleId :

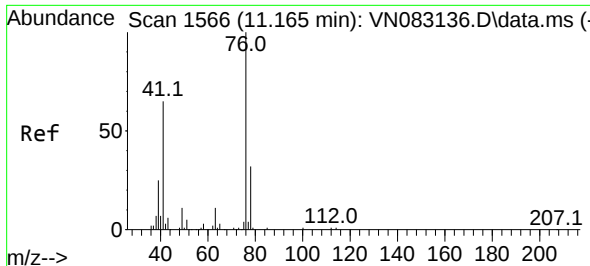
Tgt Ion: 75 Resp: 51082
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.3 36.5#
 39 33.4 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.430 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.118 min
 Lab File: VN083507.D
 Acq: 27 Aug 2024 14:16

Tgt Ion: 69 Resp: 1239
 Ion Ratio Lower Upper
 69 100
 41 6389.5 63.4 95.2#
 39 2742.8 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 2.400 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

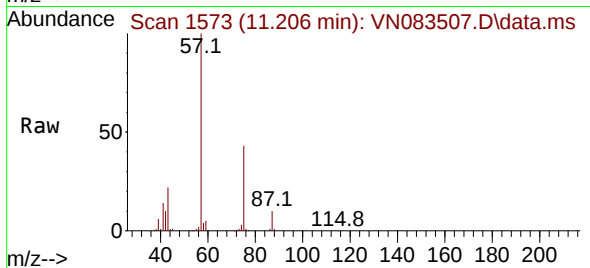
Lab File: VN083507.D

Acq: 27 Aug 2024 14:16

Instrument :

MSVOA_N

ClientSampleId :

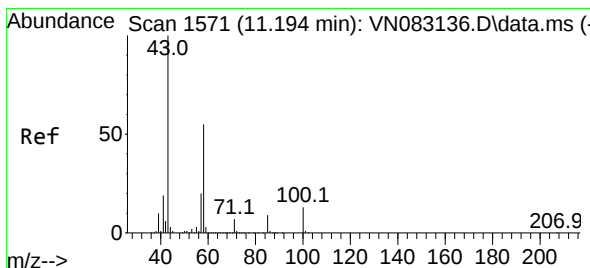
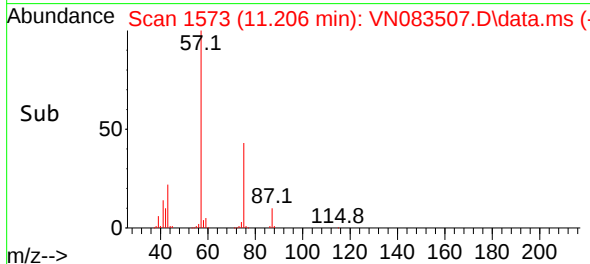
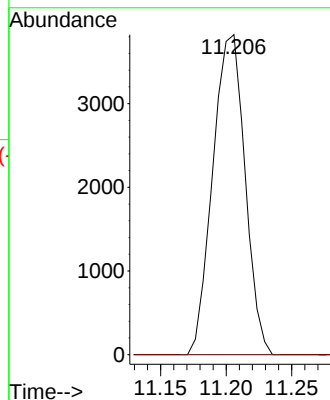


Tgt Ion: 76 Resp: 6546

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 46.754 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.012 min

Lab File: VN083507.D

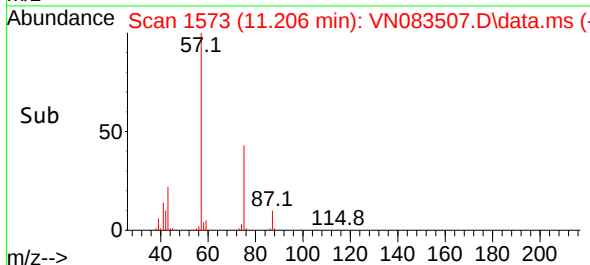
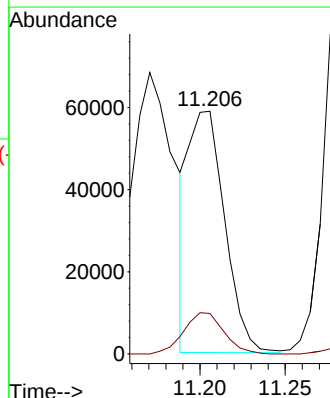
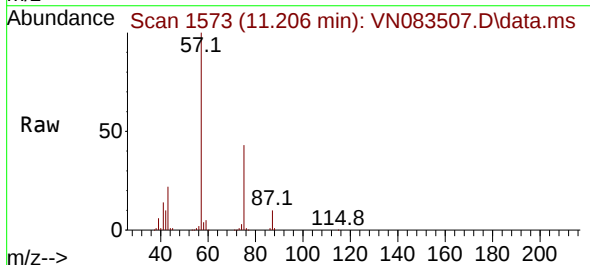
Acq: 27 Aug 2024 14:16

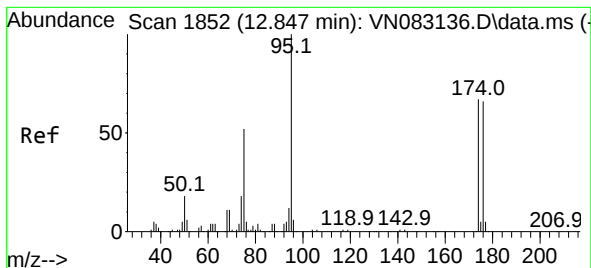
Tgt Ion: 43 Resp: 86877

Ion Ratio Lower Upper

43 100

58 19.0 24.6 73.8#

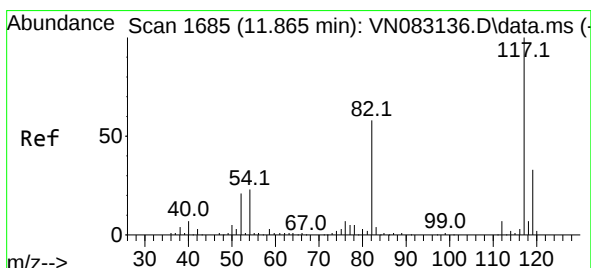
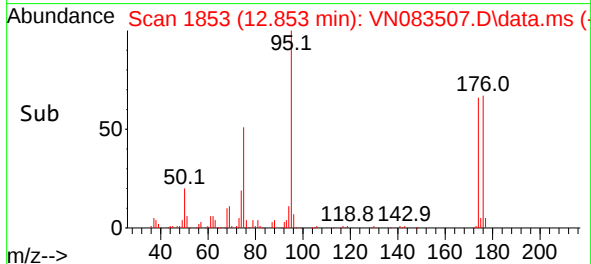
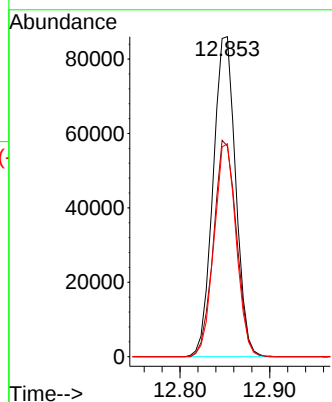
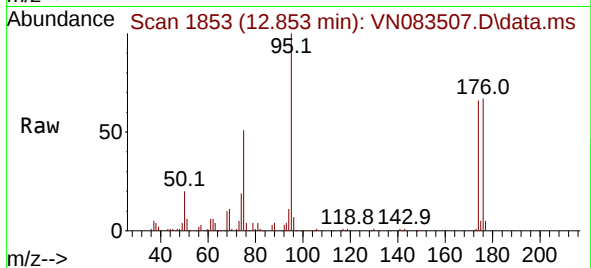




#62
4-Bromofluorobenzene
Concen: 68.884 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083507.D
Acq: 27 Aug 2024 14:16

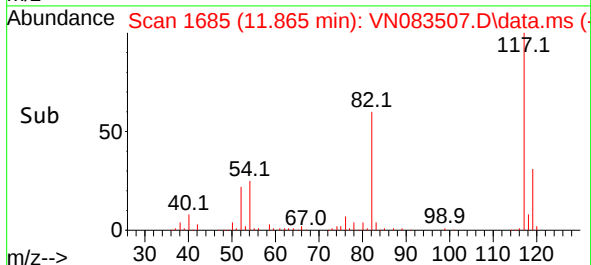
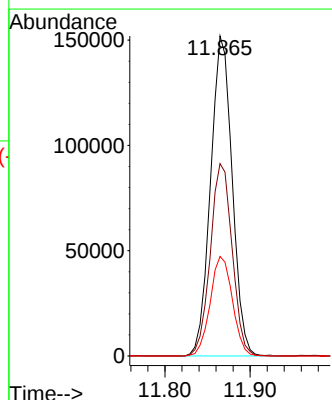
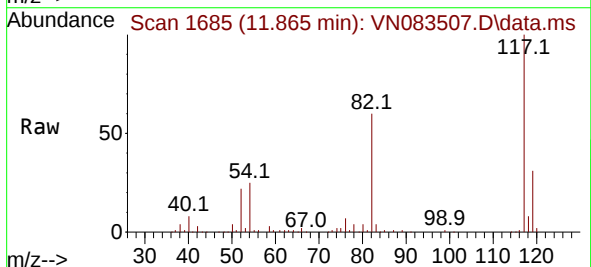
Instrument :
MSVOA_N
ClientSampleId :

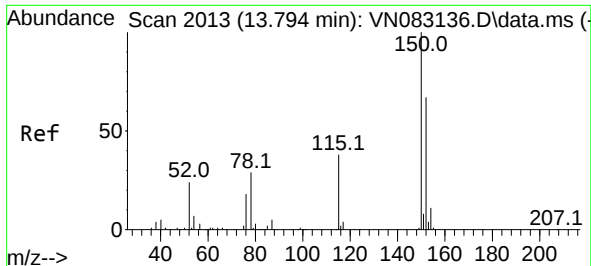
Tgt Ion: 95 Resp: 150223
Ion Ratio Lower Upper
95 100
174 68.8 0.0 159.2
176 65.5 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083507.D
Acq: 27 Aug 2024 14:16

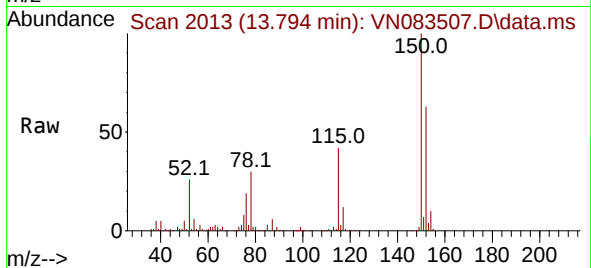
Tgt Ion: 117 Resp: 267587
Ion Ratio Lower Upper
117 100
82 60.1 47.5 71.3
119 31.1 25.6 38.4



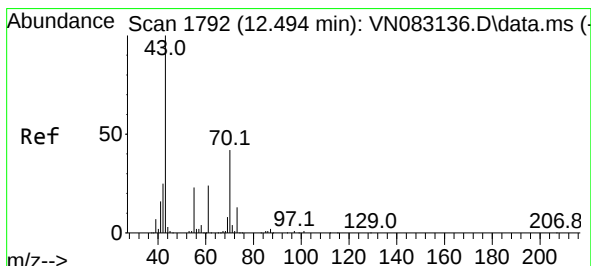
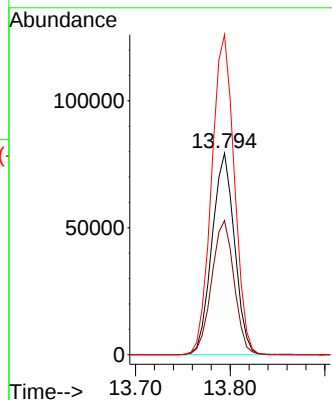
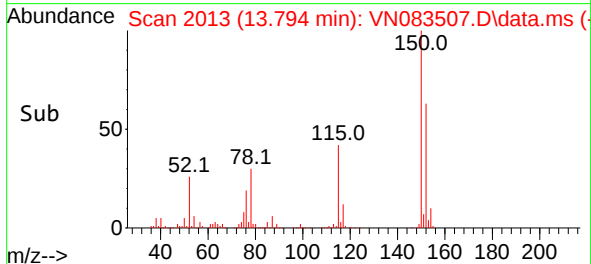


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN083507.D
Acq: 27 Aug 2024 14:16

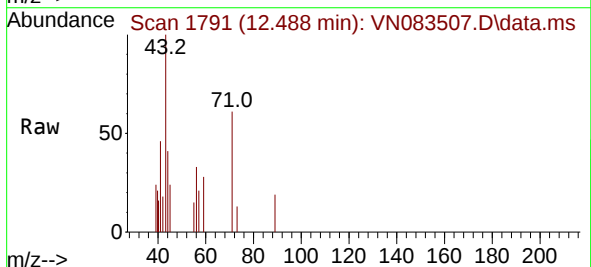
Instrument :
MSVOA_N
ClientSampleId :



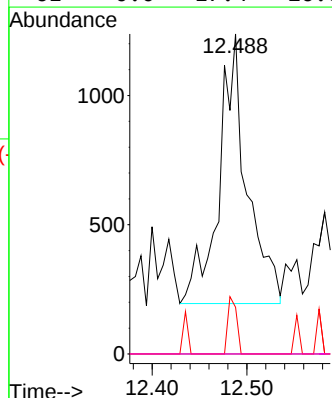
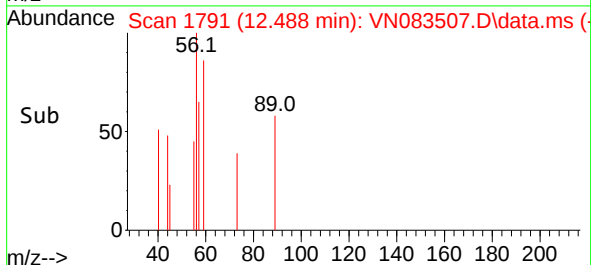
Tgt Ion:152 Resp: 131311
Ion Ratio Lower Upper
152 100
115 66.3 30.6 91.6
150 159.8 0.0 348.6

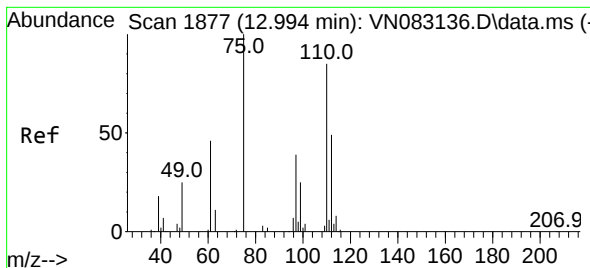


#74
N-ethyl acetate
Concen: 0.398 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN083507.D
Acq: 27 Aug 2024 14:16



Tgt Ion: 43 Resp: 2138
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 6.6 18.7 28.1#
61 0.0 17.4 26.0#





#76

1,2,3-Trichloropropane

Concen: 28.714 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083507.D

Acq: 27 Aug 2024 14:16

Instrument :

MSVOA_N

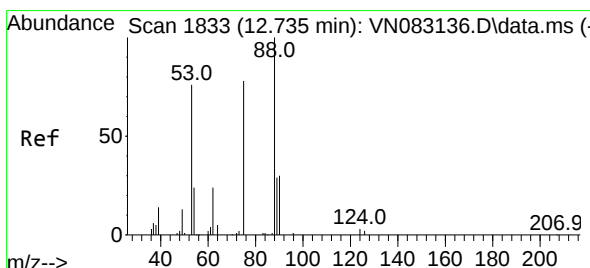
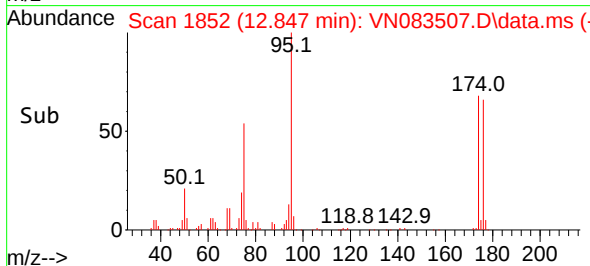
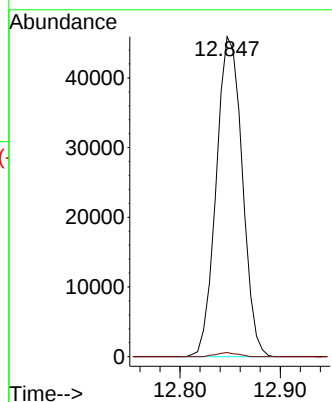
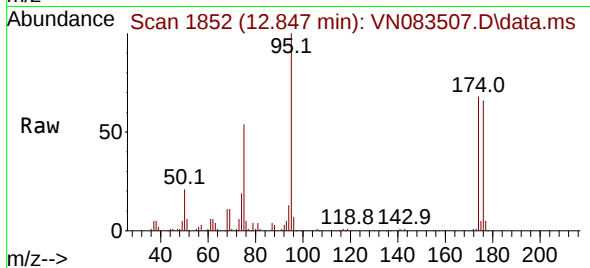
ClientSampleId :

Tgt Ion: 75 Resp: 82751

Ion Ratio Lower Upper

75 100

77 1.1 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.459 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083507.D

Acq: 27 Aug 2024 14:16

Tgt Ion: 75 Resp: 82751

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#

