

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082924\
 Data File : VN083559.D
 Acq On : 29 Aug 2024 16:26
 Operator : JC\MD
 Sample : PB163049TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 30 01:27:12 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

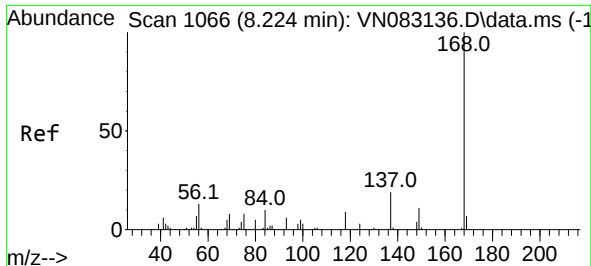
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	142618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293179	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	314269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	159791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	112437	55.388	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.780%			
35) Dibromofluoromethane	8.165	113	89770	49.056	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.120%			
50) Toluene-d8	10.565	98	327969	48.046	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.100%			
62) 4-Bromofluorobenzene	12.847	95	158974	59.737	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 119.480%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1041	0.629	ug/l #	43
5) Bromomethane	2.942	94	393	0.375	ug/l #	1
11) Tert butyl alcohol	5.494	59	1392	3.300	ug/l #	71
13) Acrolein	4.177	56	116	0.422	ug/l #	56
16) Acetone	4.436	43	22949	28.891	ug/l	99
17) Carbon Disulfide	4.700	76	1002	0.217	ug/l #	75
18) Methyl Acetate	5.024	43	5560	2.349	ug/l	93
20) Methylene Chloride	5.265	84	17194	9.405	ug/l #	83
25) 2-Butanone	7.488	43	2219	1.819	ug/l #	83
29) Tetrahydrofuran	7.859	42	307	0.389	ug/l #	55
31) Cyclohexane	8.218	56	3781	1.257	ug/l #	6
36) 1,1-Dichloropropene	8.224	75	12340	4.458	ug/l #	53
37) Ethyl Acetate	7.571	43	3656	1.180	ug/l #	81
38) Carbon Tetrachloride	8.224	117	16000	5.132	ug/l #	16
42) 1,2-Dichloroethane	8.682	62	1147	0.382	ug/l #	78
43) Isopropyl Acetate	8.688	43	180104	32.544	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	1472	0.752	ug/l #	44
48) Methyl methacrylate	9.665	41	4559	1.779	ug/l #	47
49) 1,4-Dioxane	9.741	88	70	1.514	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	5552	1.894	ug/l	90
53) t-1,3-Dichloropropene	10.729	75	675	0.209	ug/l #	64
54) cis-1,3-Dichloropropene	10.359	75	46624	13.564	ug/l #	58
56) Ethyl methacrylate	10.982	69	829	0.235	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5833	1.753	ug/l #	43
59) 2-Hexanone	11.170	43	113427	50.022	ug/l #	28
74) N-amyl acetate	12.482	43	2071	0.317	ug/l #	49
76) 1,2,3-Trichloropropane	12.847	75	88142	25.133	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	88142	54.670	ug/l #	6

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

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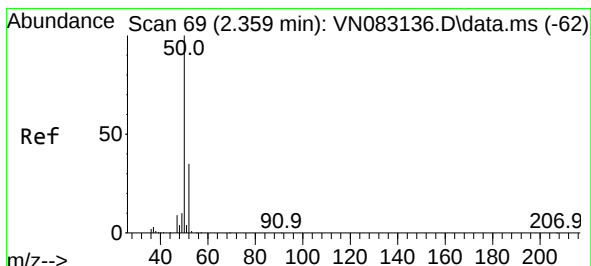
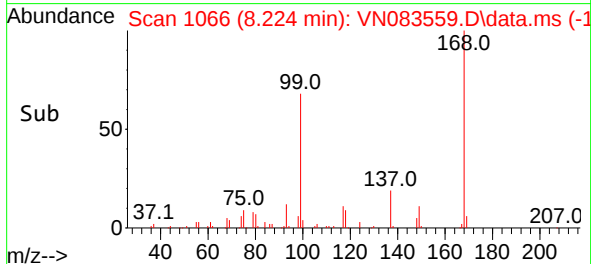
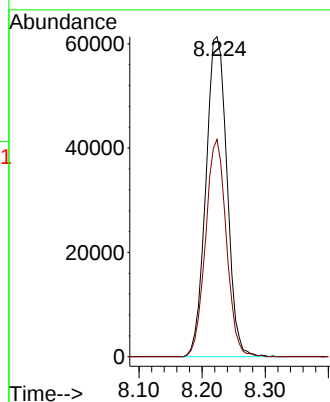
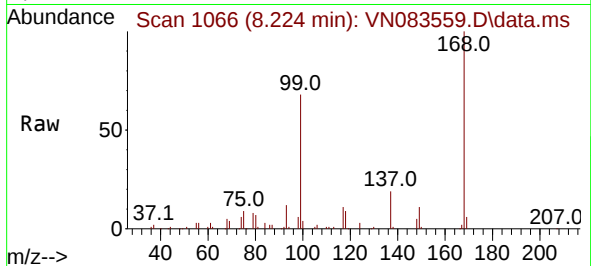




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN083559.D
Acq: 29 Aug 2024 16:26

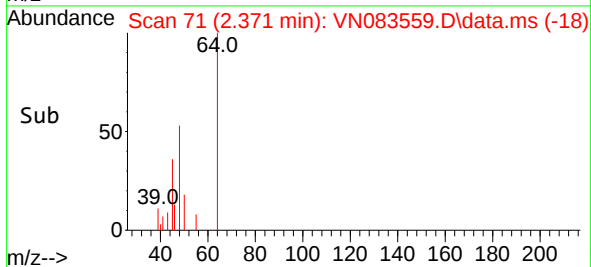
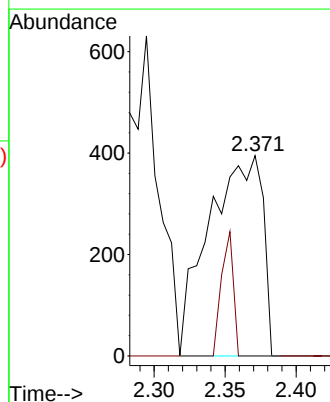
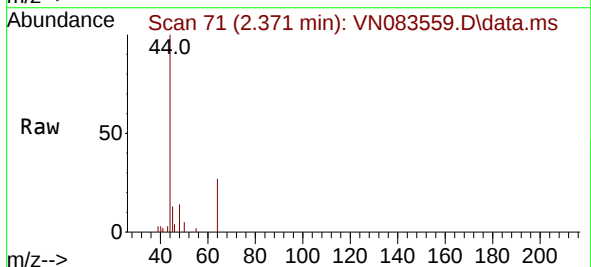
Instrument :
MSVOA_N
ClientSampleId :

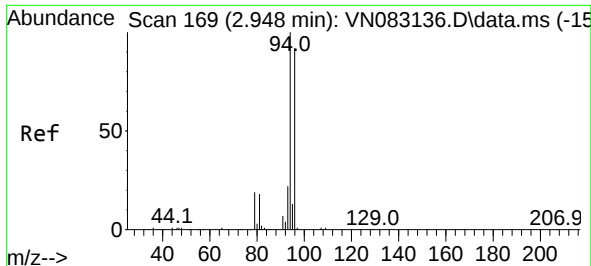
Tgt Ion:168 Resp: 142618
Ion Ratio Lower Upper
168 100
99 67.9 48.2 72.4



#3
Chloromethane
Concen: 0.629 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN083559.D
Acq: 29 Aug 2024 16:26

Tgt Ion: 50 Resp: 1041
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

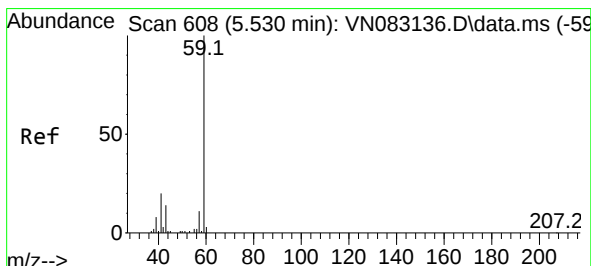
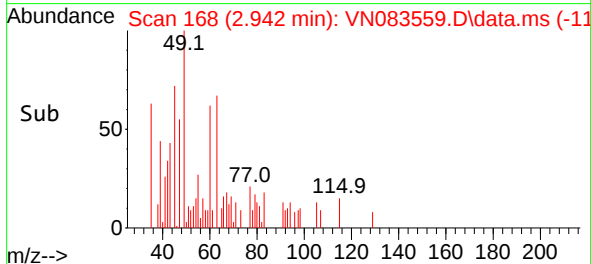
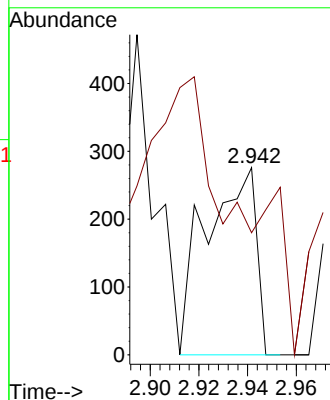
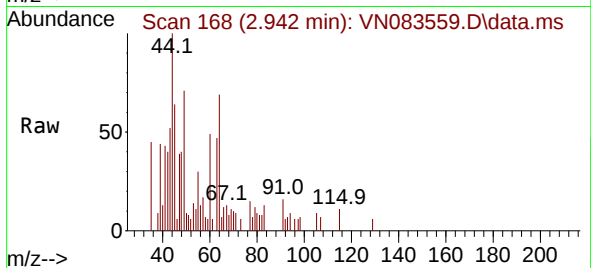




#5
Bromomethane
Concen: 0.375 ug/l
RT: 2.942 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083559.D
Acq: 29 Aug 2024 16:26

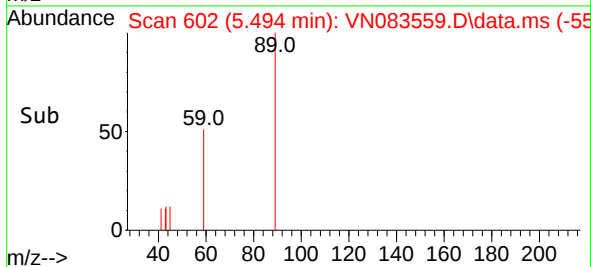
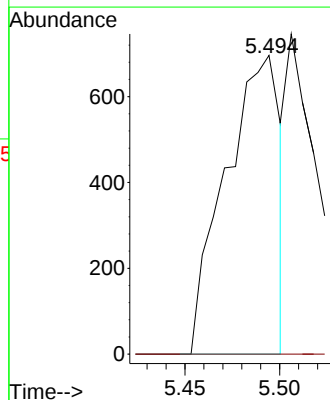
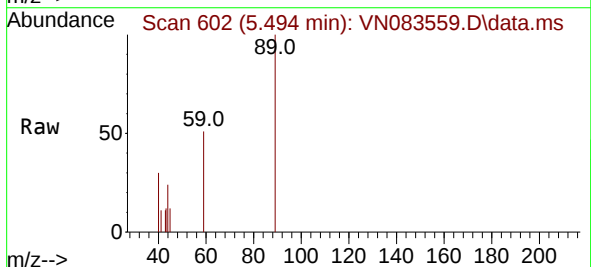
Instrument :
MSVOA_N
ClientSampleId :

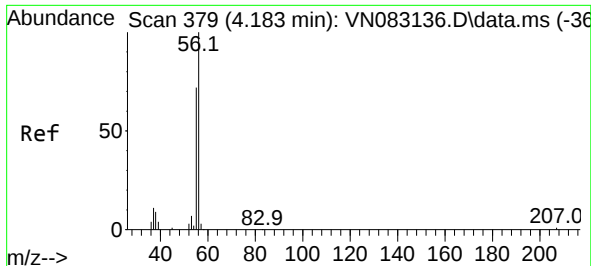
Tgt Ion: 94 Resp: 393
Ion Ratio Lower Upper
94 100
96 0.0 78.0 117.0#



#11
Tert butyl alcohol
Concen: 3.300 ug/l
RT: 5.494 min Scan# 602
Delta R.T. -0.035 min
Lab File: VN083559.D
Acq: 29 Aug 2024 16:26

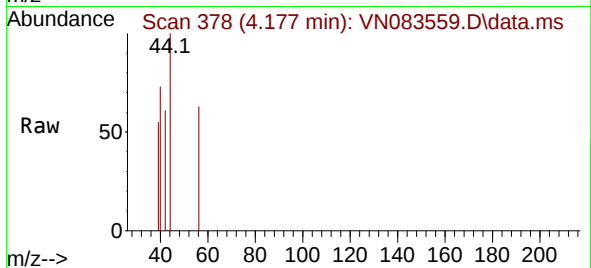
Tgt Ion: 59 Resp: 1392
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



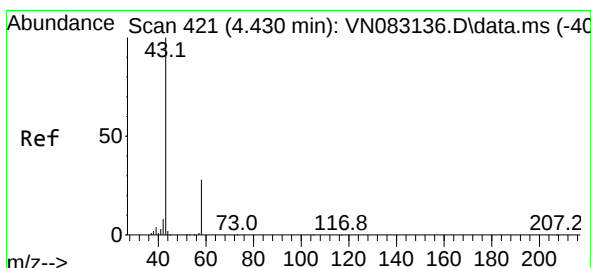
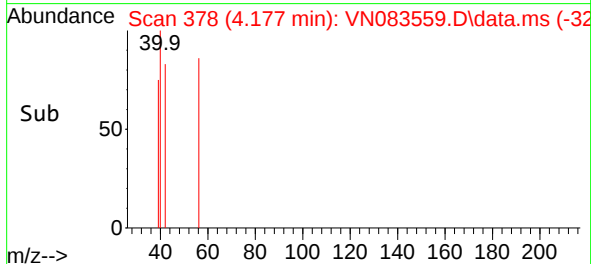
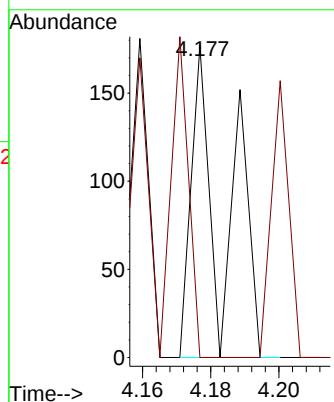


#13
Acrolein
Concen: 0.422 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN083559.D
Acq: 29 Aug 2024 16:26

Instrument :
MSVOA_N
ClientSampleId :

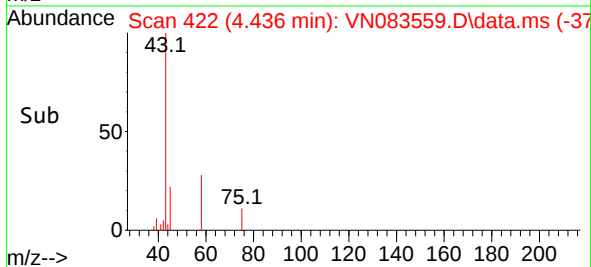
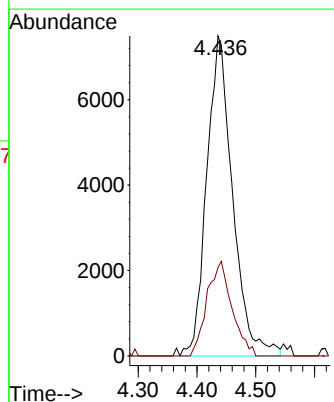
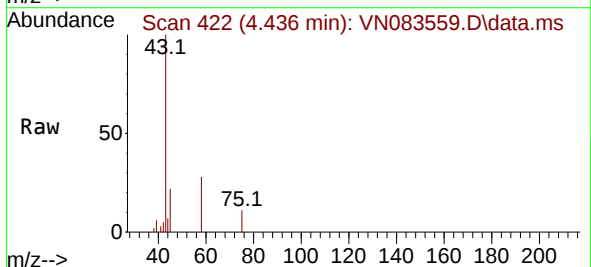


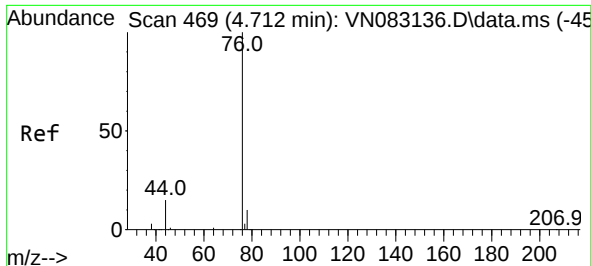
Tgt Ion: 56 Resp: 116
Ion Ratio Lower Upper
56 100
55 106.9 56.4 84.6#



#16
Acetone
Concen: 28.891 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083559.D
Acq: 29 Aug 2024 16:26

Tgt Ion: 43 Resp: 22949
Ion Ratio Lower Upper
43 100
58 27.6 21.8 32.6

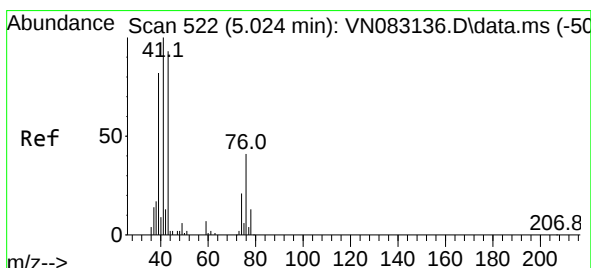
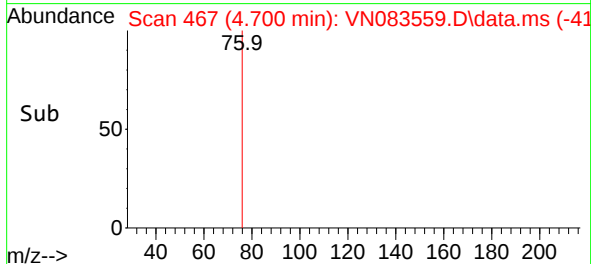
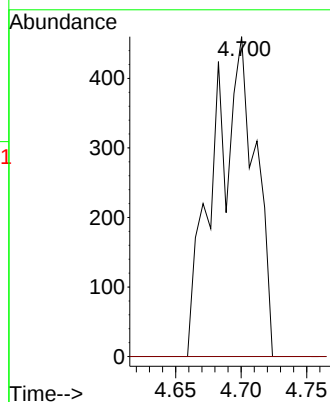
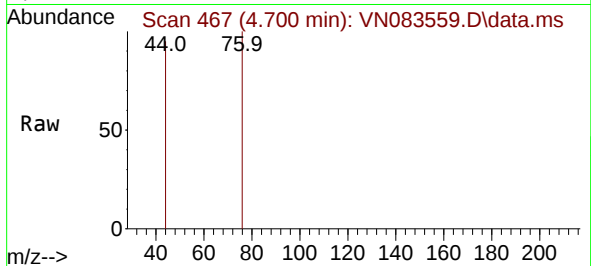




#17
Carbon Disulfide
Concen: 0.217 ug/l
RT: 4.700 min Scan# 469
Delta R.T. -0.012 min
Lab File: VN083559.D
Acq: 29 Aug 2024 16:26

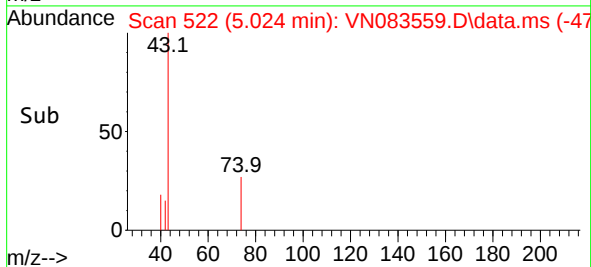
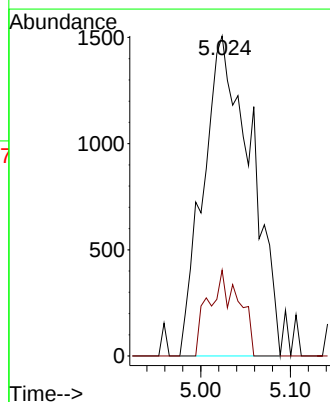
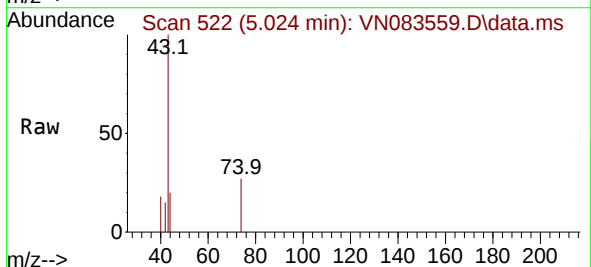
Instrument :
MSVOA_N
ClientSampleId :

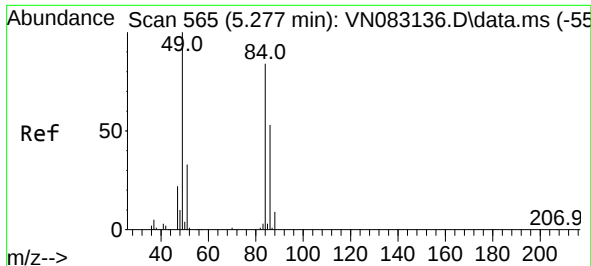
Tgt Ion: 76 Resp: 1002
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 2.349 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN083559.D
Acq: 29 Aug 2024 16:26

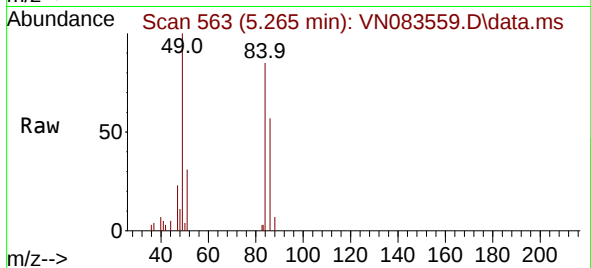
Tgt Ion: 43 Resp: 5560
Ion Ratio Lower Upper
43 100
74 17.1 16.3 24.5



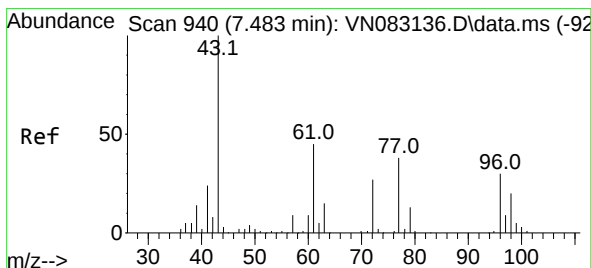
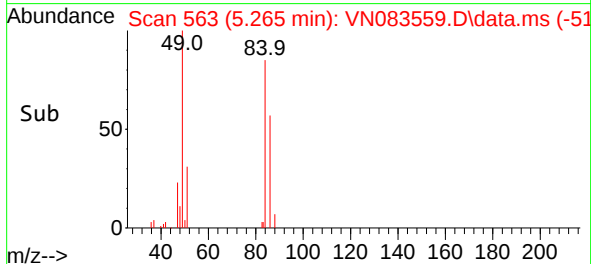
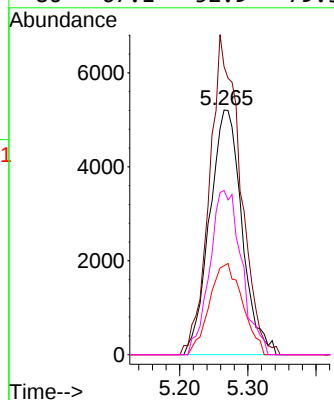


#20
Methylene Chloride
Concen: 9.405 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN083559.D
Acq: 29 Aug 2024 16:26

Instrument :
MSVOA_N
ClientSampleId :

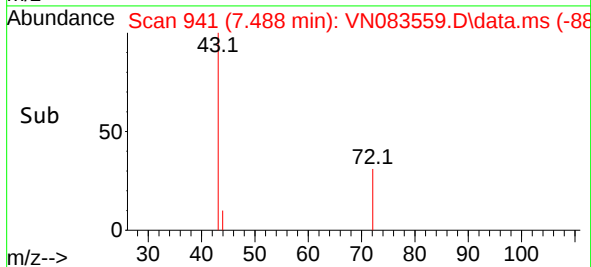
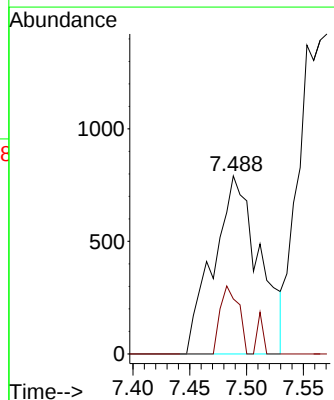
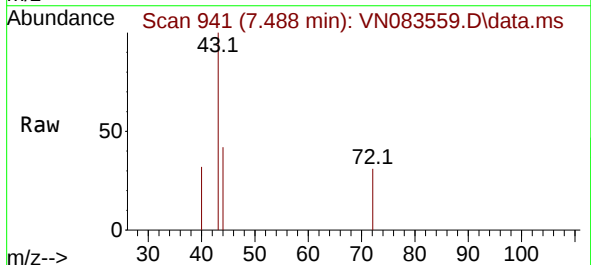


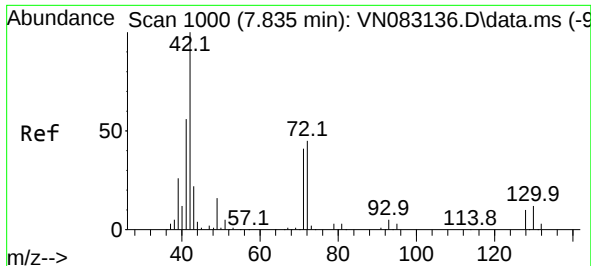
Tgt Ion:	84	Resp:	17194
Ion	Ratio	Lower	Upper
84	100		
49	117.8	119.6	179.4#
51	36.4	34.8	52.2
86	67.1	52.9	79.3



#25
2-Butanone
Concen: 1.819 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083559.D
Acq: 29 Aug 2024 16:26

Tgt Ion:	43	Resp:	2219
Ion	Ratio	Lower	Upper
43	100		
72	30.8	18.2	27.2#





#29

Tetrahydrofuran

Concen: 0.389 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.023 min

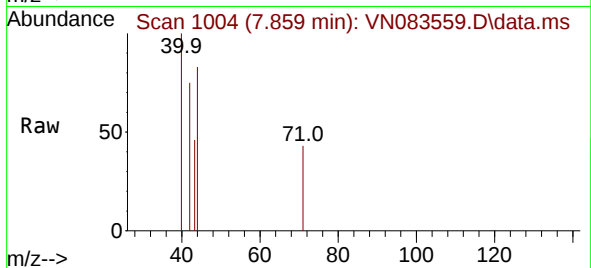
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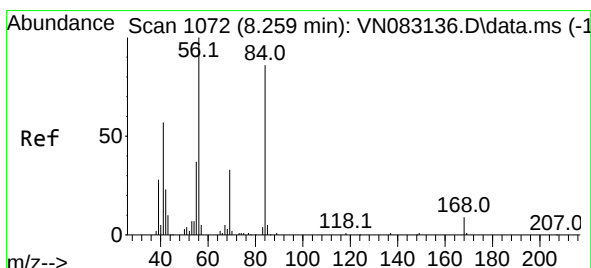
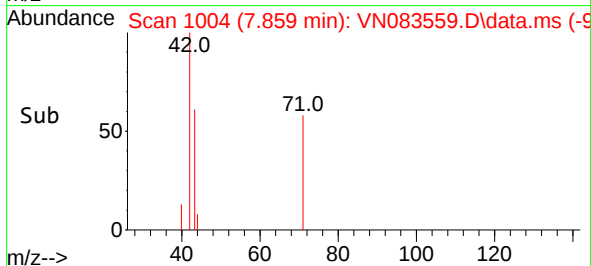
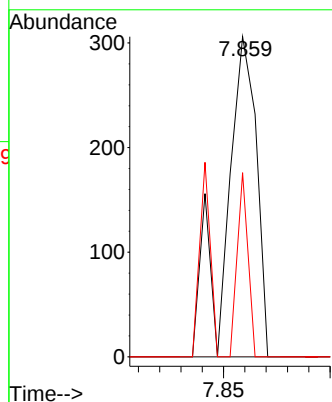
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	307
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.0	45.0#
71	20.2	28.3	42.5#



#31

Cyclohexane

Concen: 1.257 ug/l

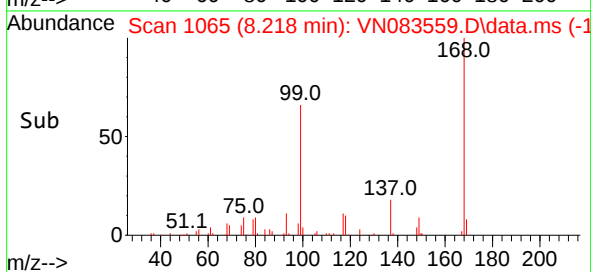
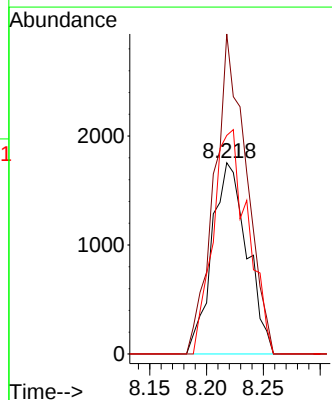
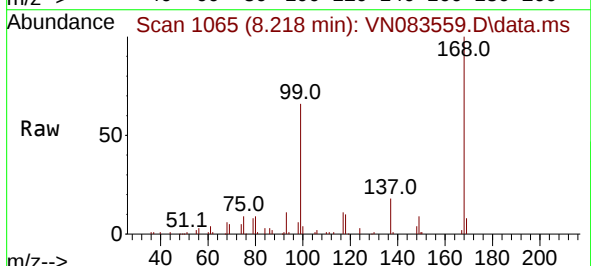
RT: 8.218 min Scan# 1065

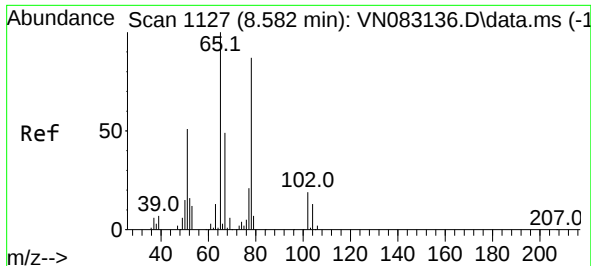
Delta R.T. -0.041 min

Lab File: VN083559.D

Acq: 29 Aug 2024 16:26

Tgt Ion:	56	Resp:	3781
Ion	Ratio	Lower	Upper
56	100		
69	167.4	24.5	36.7#
84	114.3	66.0	99.0#





#33

1,2-Dichloroethane-d4

Concen: 55.388 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.005 min

Lab File: VN083559.D

Acq: 29 Aug 2024 16:26

Instrument :

MSVOA_N

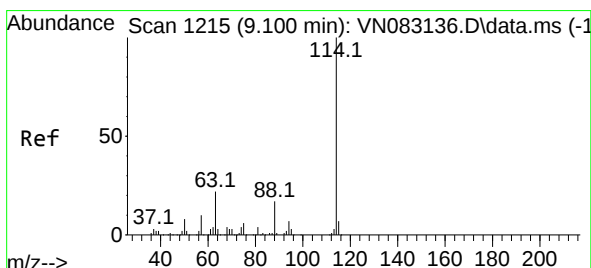
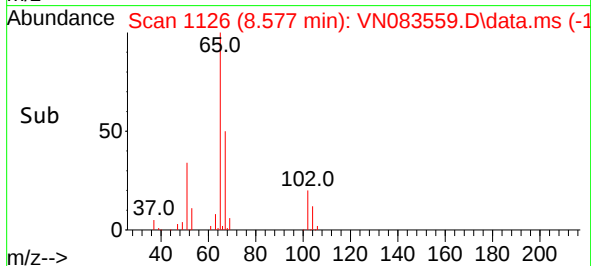
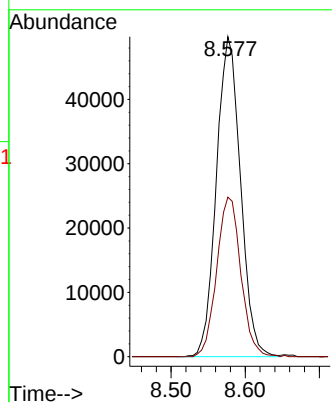
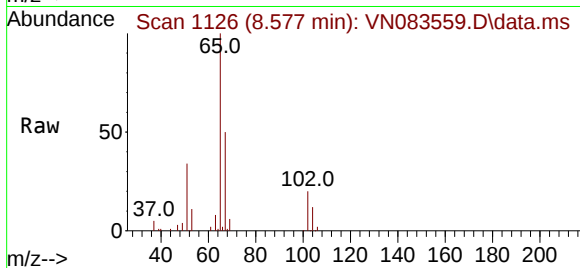
ClientSampleId :

Tgt Ion: 65 Resp: 112437

Ion Ratio Lower Upper

65 100

67 49.9 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: VN083559.D

Acq: 29 Aug 2024 16:26

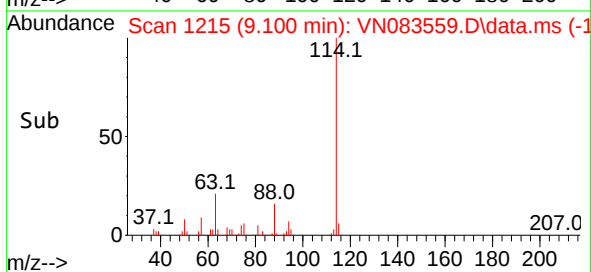
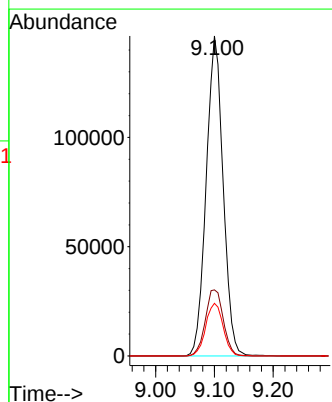
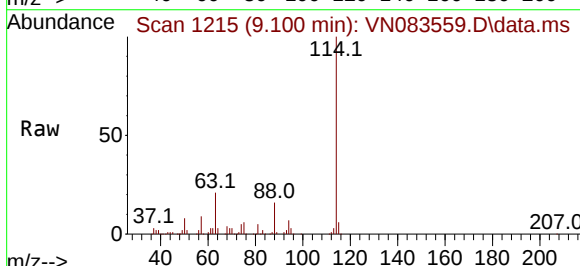
Tgt Ion: 114 Resp: 293179

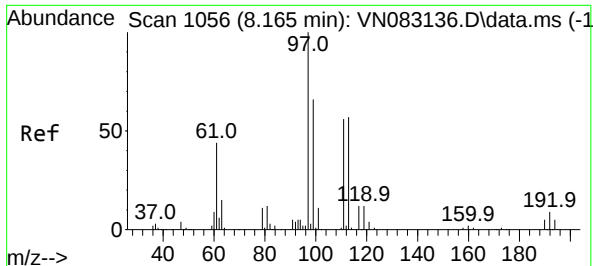
Ion Ratio Lower Upper

114 100

63 20.6 0.0 44.6

88 16.5 0.0 31.4

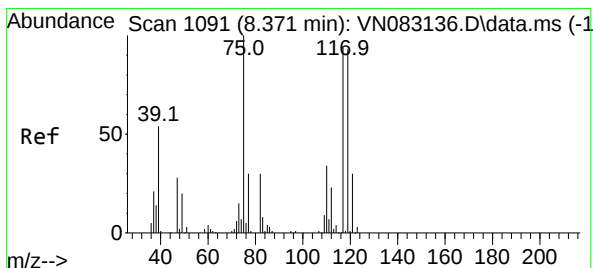
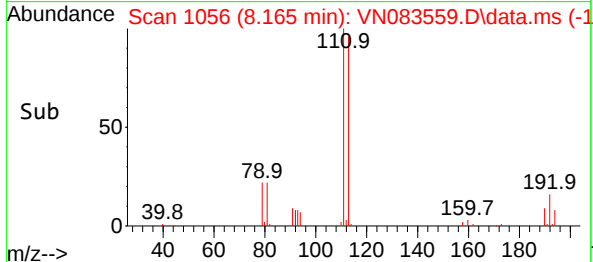
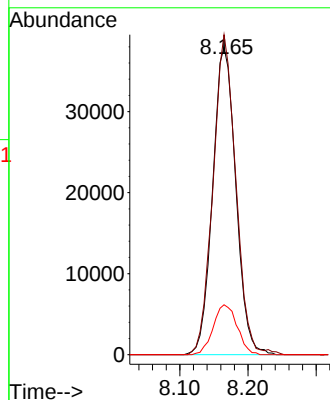
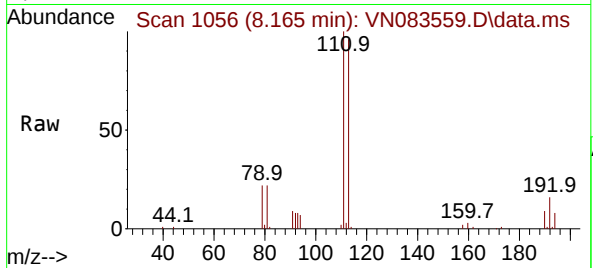




#35
Dibromofluoromethane
Concen: 49.056 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083559.D
Acq: 29 Aug 2024 16:26

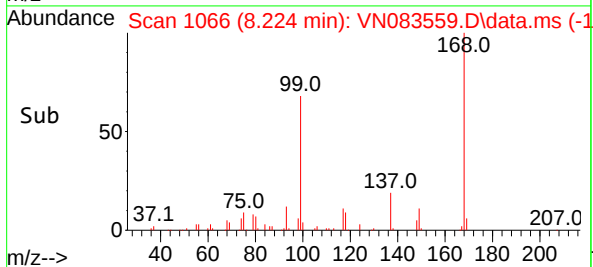
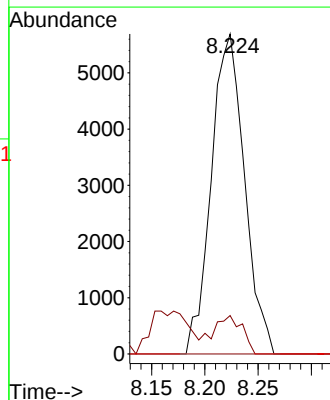
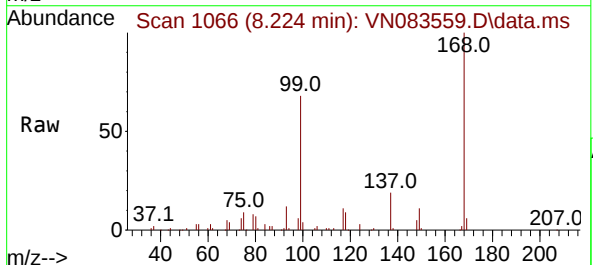
Instrument :
MSVOA_N
ClientSampleId :

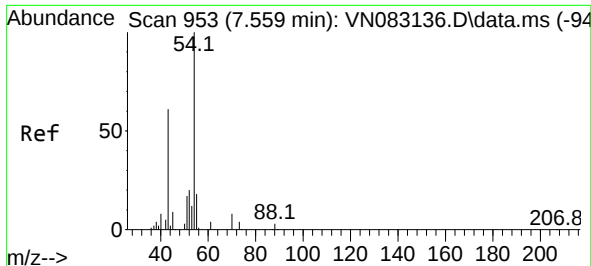
Tgt Ion:113 Resp: 89770
Ion Ratio Lower Upper
113 100
111 102.6 82.4 123.6
192 16.8 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.458 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083559.D
Acq: 29 Aug 2024 16:26

Tgt Ion: 75 Resp: 12340
Ion Ratio Lower Upper
75 100
110 10.6 16.3 48.9#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.180 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.012 min

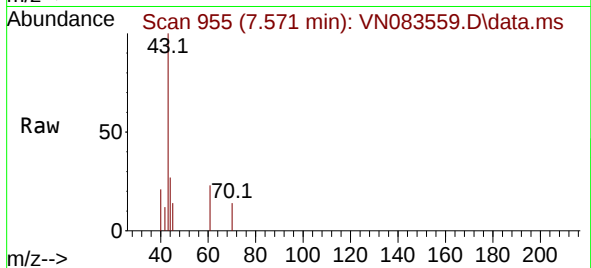
Lab File: VN083559.D

Acq: 29 Aug 2024 16:26

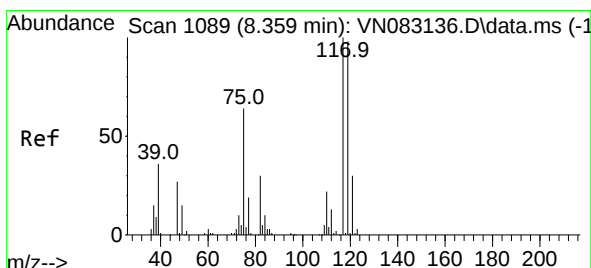
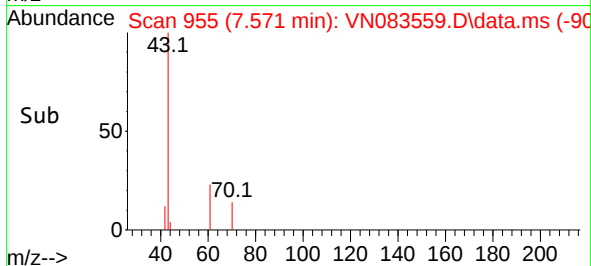
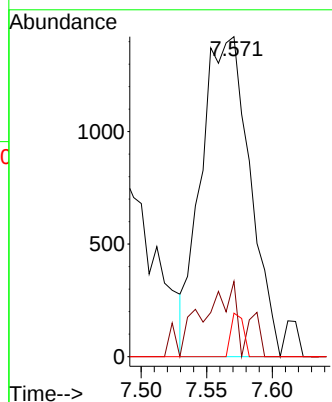
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3656
Ion	Ratio	Lower	Upper
43	100		
61	20.0	9.3	13.9#
70	3.5	7.0	10.6#



#38

Carbon Tetrachloride

Concen: 5.132 ug/l

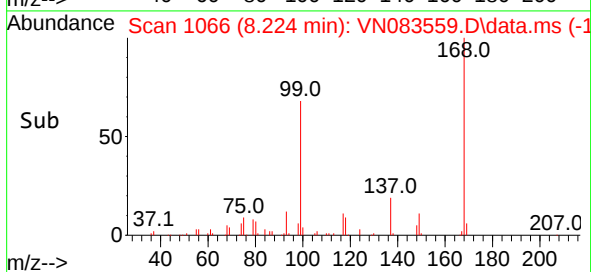
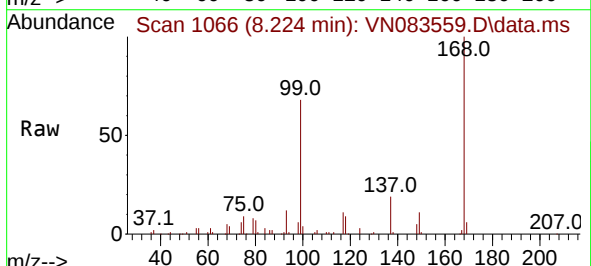
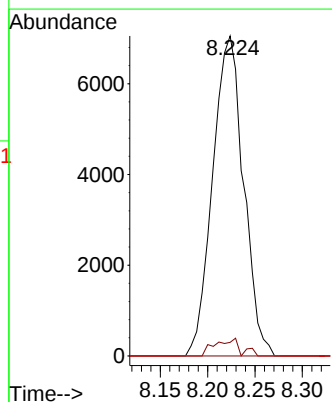
RT: 8.224 min Scan# 1066

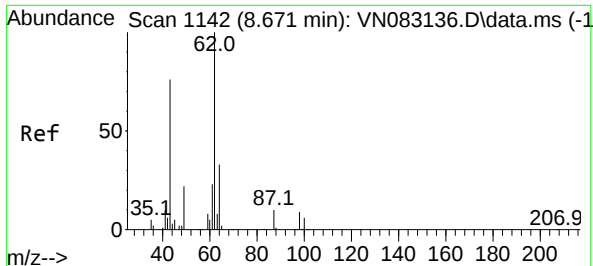
Delta R.T. -0.135 min

Lab File: VN083559.D

Acq: 29 Aug 2024 16:26

Tgt Ion:	117	Resp:	16000
Ion	Ratio	Lower	Upper
117	100		
119	4.3	74.9	112.3#
121	0.0	24.3	36.5#





#42

1,2-Dichloroethane

Concen: 0.382 ug/l

RT: 8.682 min Scan# 1142

Delta R.T. 0.012 min

Lab File: VN083559.D

Acq: 29 Aug 2024 16:26

Instrument :

MSVOA_N

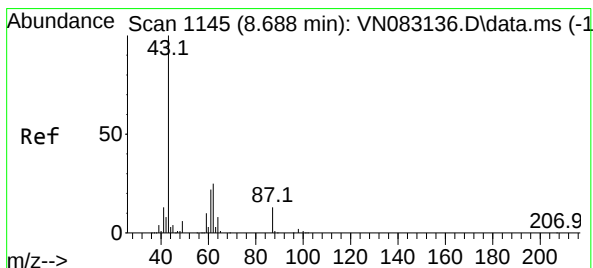
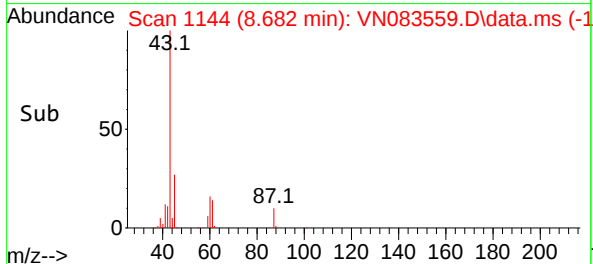
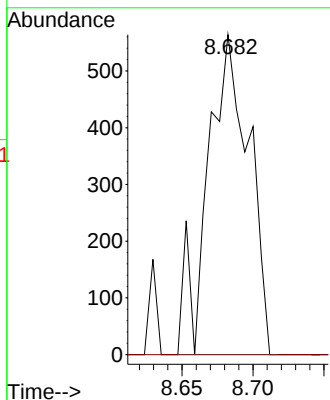
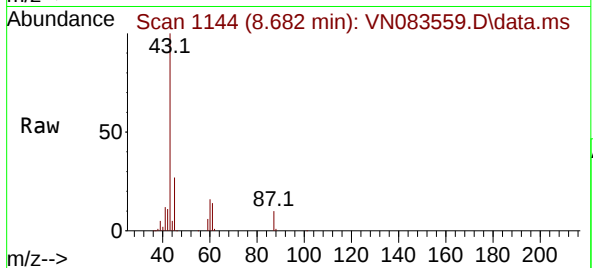
ClientSampleId :

Tgt Ion: 62 Resp: 1147

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 32.544 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083559.D

Acq: 29 Aug 2024 16:26

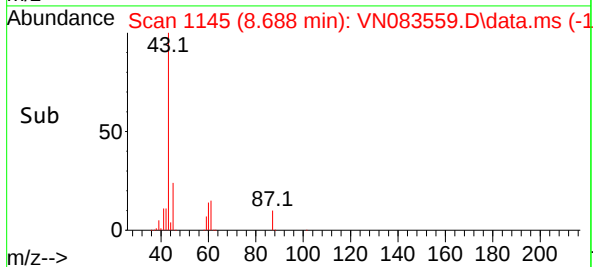
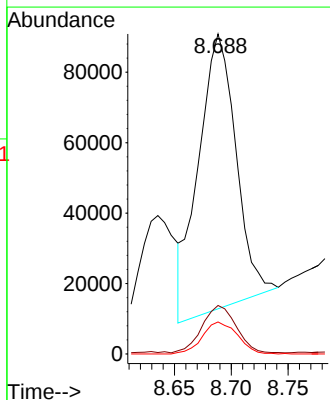
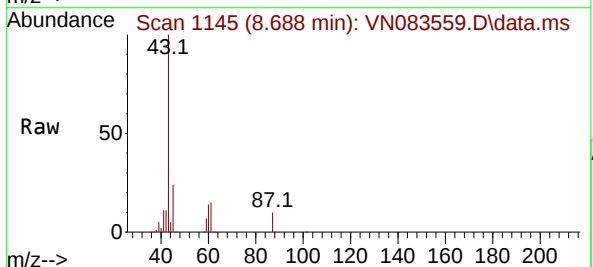
Tgt Ion: 43 Resp: 180104

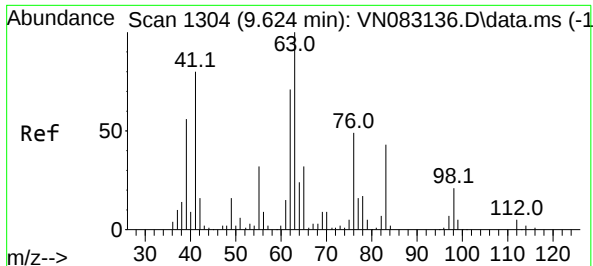
Ion Ratio Lower Upper

43 100

61 15.8 17.8 26.6#

87 10.8 8.2 12.2





#45

1,2-Dichloropropane

Concen: 0.752 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN083559.D

Acq: 29 Aug 2024 16:26

Instrument :

MSVOA_N

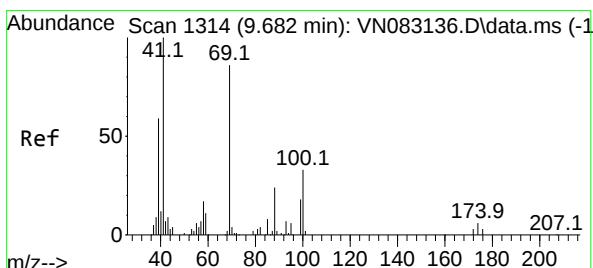
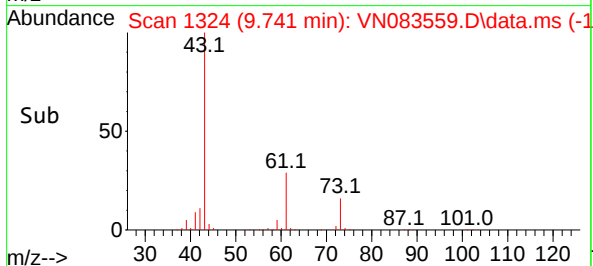
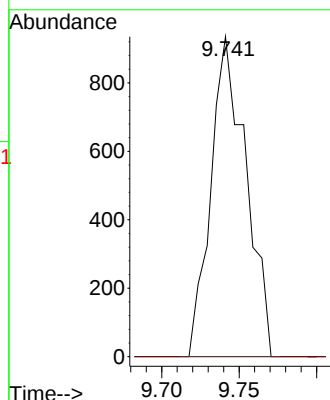
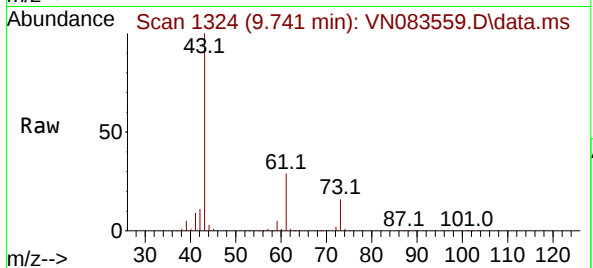
ClientSampleId :

Tgt Ion: 63 Resp: 1472

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.779 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN083559.D

Acq: 29 Aug 2024 16:26

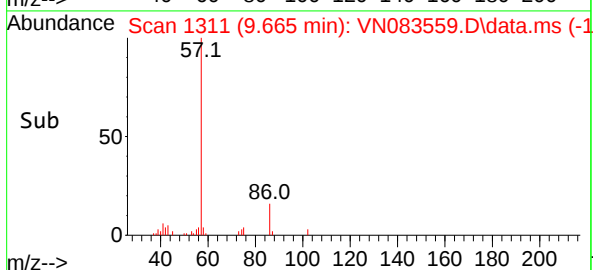
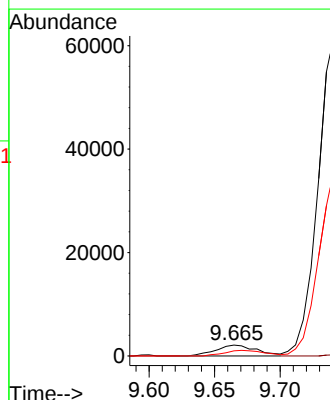
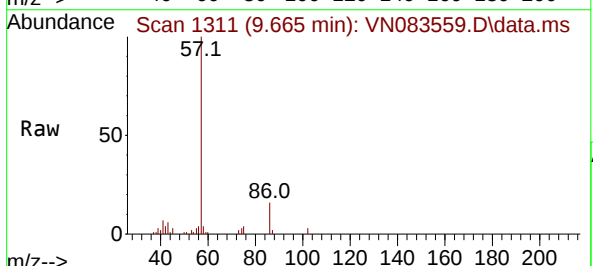
Tgt Ion: 41 Resp: 4559

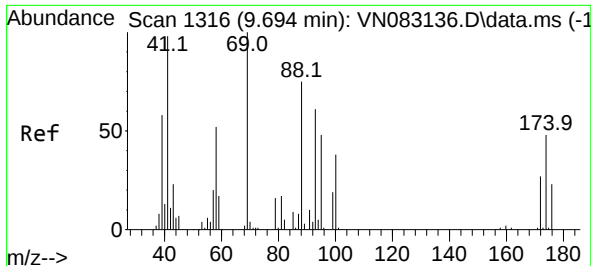
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 49.7 50.3 75.5#





#49

1,4-Dioxane

Concen: 1.514 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN083559.D

Acq: 29 Aug 2024 16:26

Instrument :

MSVOA_N

ClientSampleId :

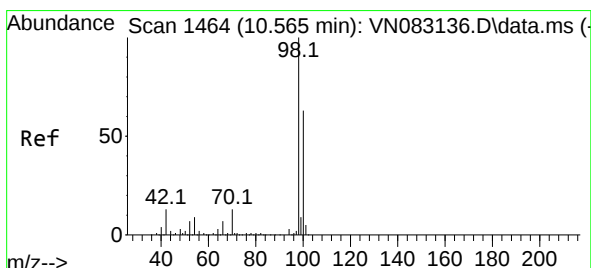
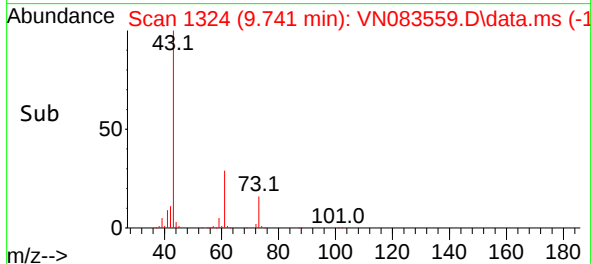
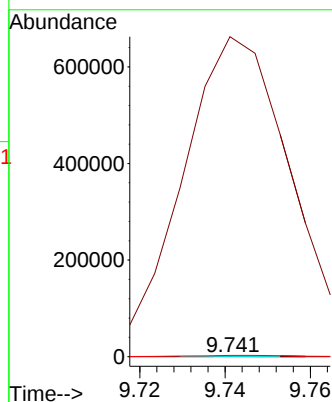
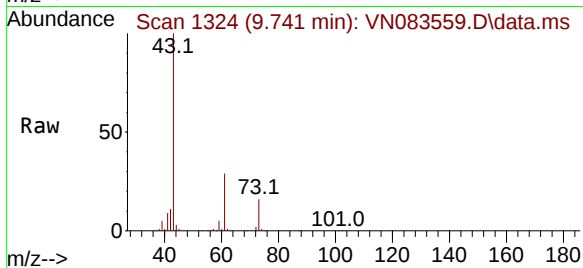
Tgt Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

43 1717035.7 27.8 41.8#

58 7048.6 59.4 89.0#



#50

Toluene-d8

Concen: 48.046 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083559.D

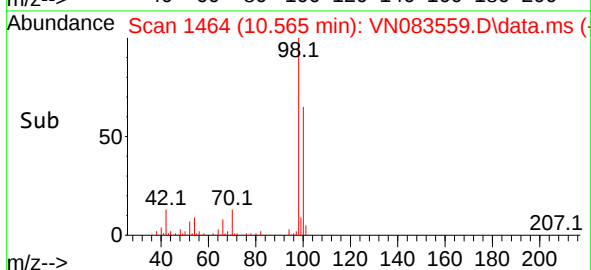
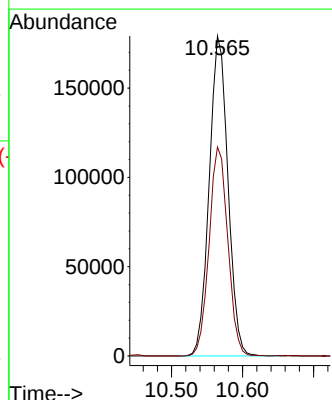
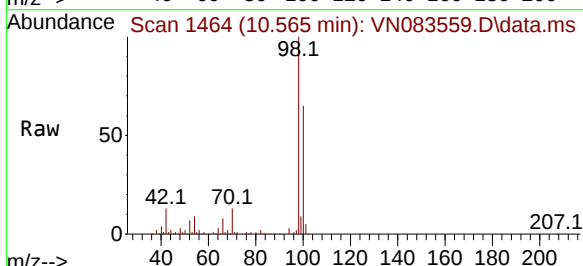
Acq: 29 Aug 2024 16:26

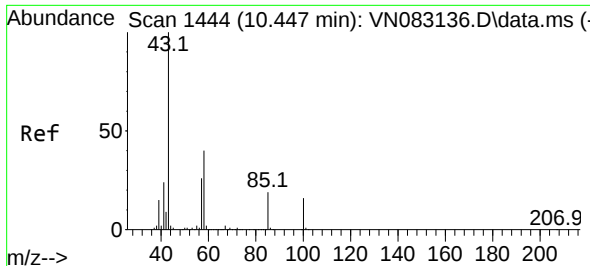
Tgt Ion: 98 Resp: 327969

Ion Ratio Lower Upper

98 100

100 65.2 51.5 77.3

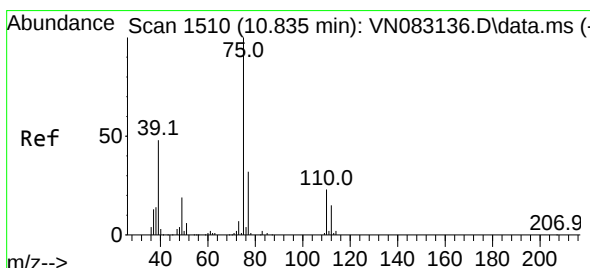
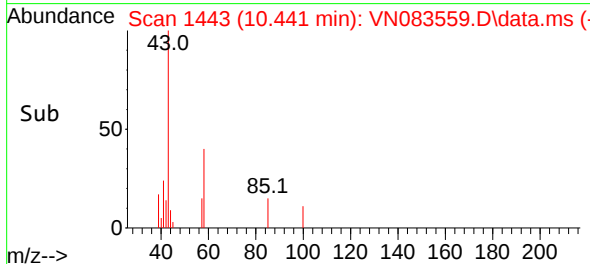
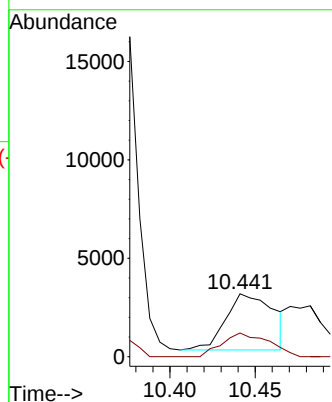
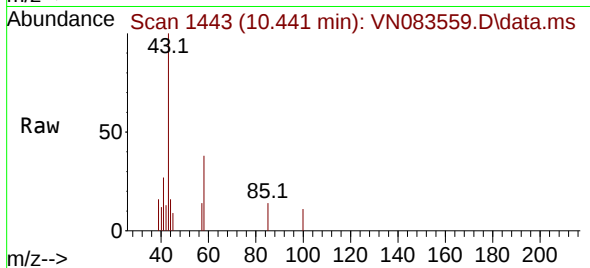




#51
4-Methyl-2-Pentanone
Concen: 1.894 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN083559.D
Acq: 29 Aug 2024 16:26

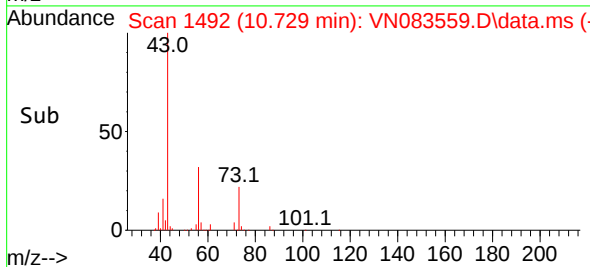
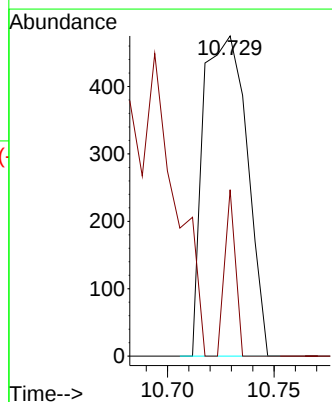
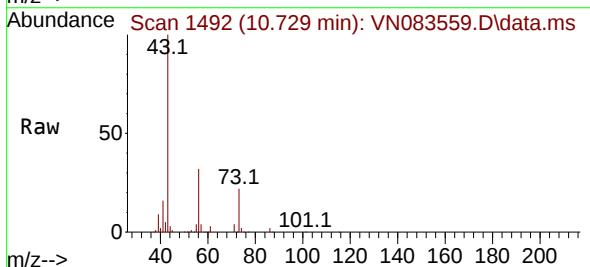
Instrument :
MSVOA_N
ClientSampleId :

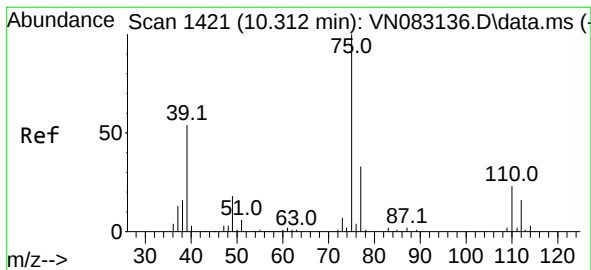
Tgt Ion: 43 Resp: 5552
Ion Ratio Lower Upper
43 100
58 41.3 28.2 42.4



#53
t-1,3-Dichloropropene
Concen: 0.209 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083559.D
Acq: 29 Aug 2024 16:26

Tgt Ion: 75 Resp: 675
Ion Ratio Lower Upper
75 100
77 52.0 25.7 38.5#

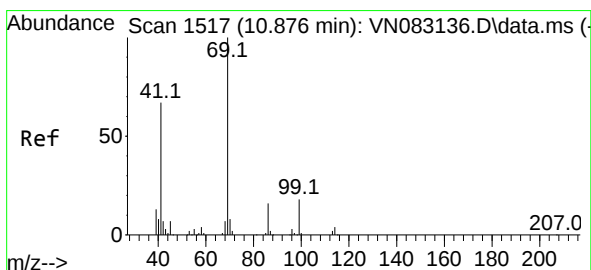
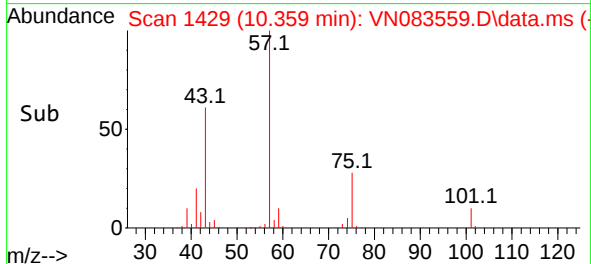
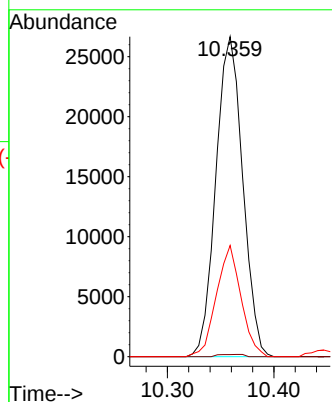
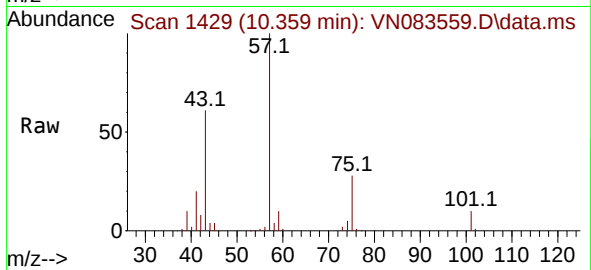




#54
cis-1,3-Dichloropropene
Concen: 13.564 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083559.D
Acq: 29 Aug 2024 16:26

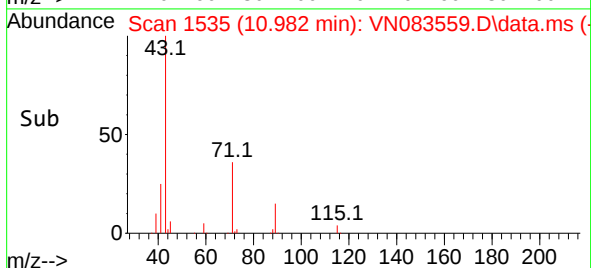
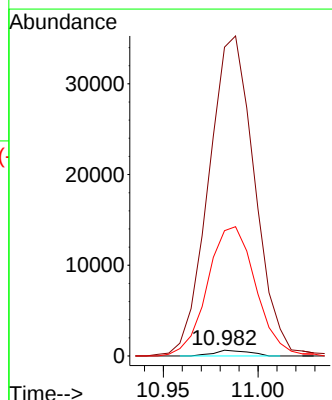
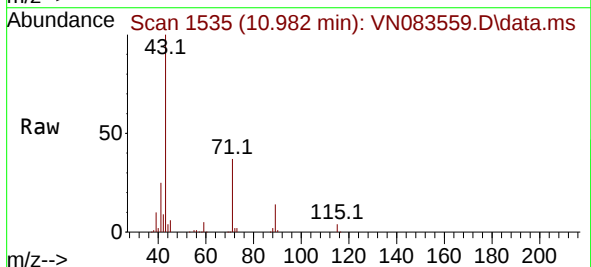
Instrument :
MSVOA_N
ClientSampleId :

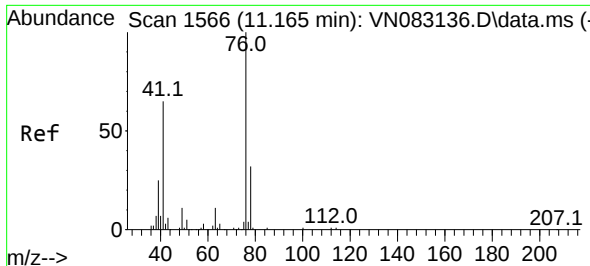
Tgt Ion: 75 Resp: 46624
Ion Ratio Lower Upper
75 100
77 0.7 24.3 36.5#
39 34.7 50.5 75.7#



#56
Ethyl methacrylate
Concen: 0.235 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN083559.D
Acq: 29 Aug 2024 16:26

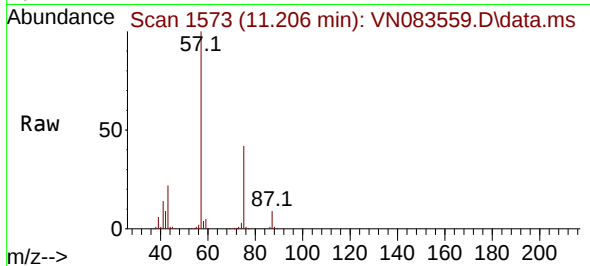
Tgt Ion: 69 Resp: 829
Ion Ratio Lower Upper
69 100
41 7209.0 63.4 95.2#
39 3042.3 37.4 56.0#



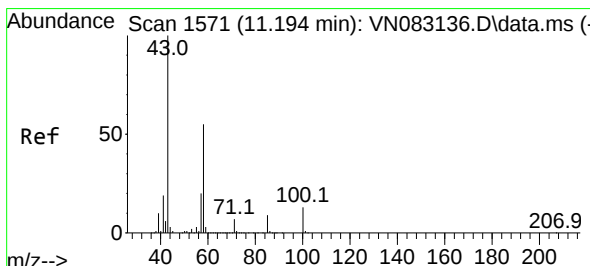
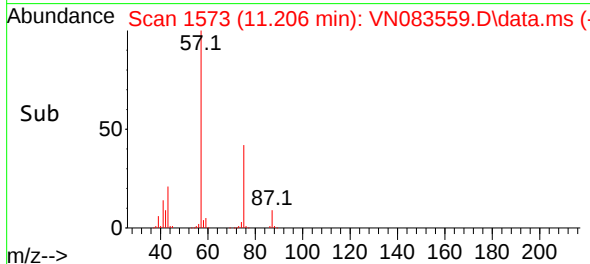
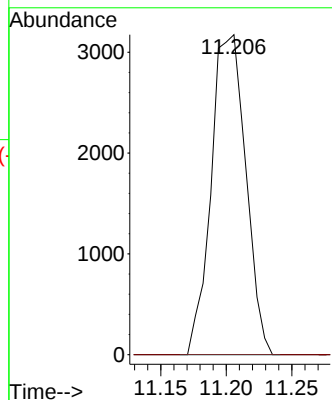


#57
1,3-Dichloropropane
Concen: 1.753 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN083559.D
Acq: 29 Aug 2024 16:26

Instrument :
MSVOA_N
ClientSampleId :

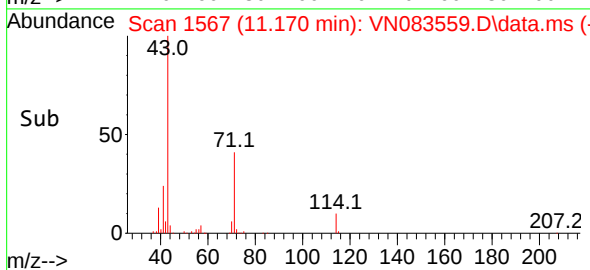
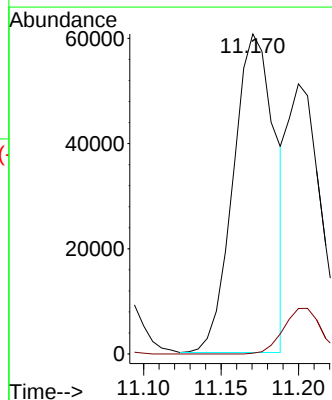
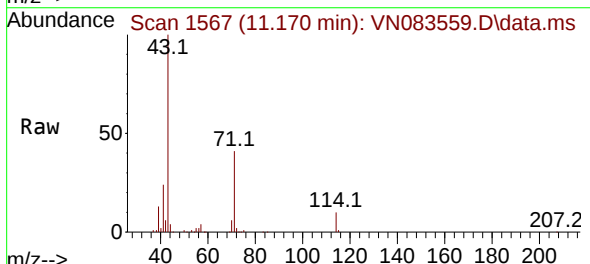


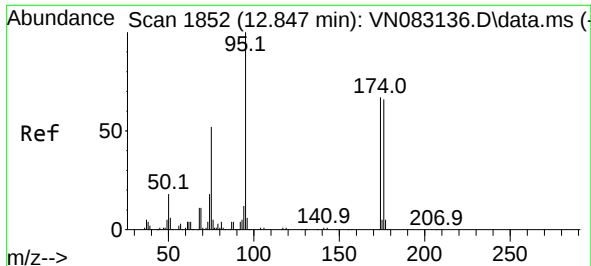
Tgt Ion: 76 Resp: 5833
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 50.022 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN083559.D
Acq: 29 Aug 2024 16:26

Tgt Ion: 43 Resp: 113427
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#

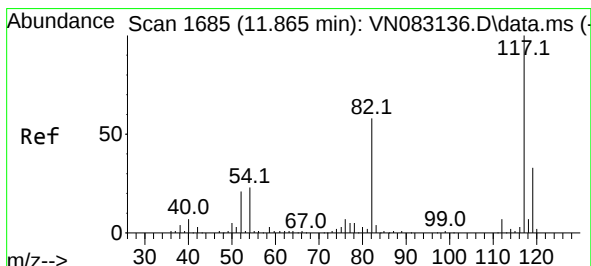
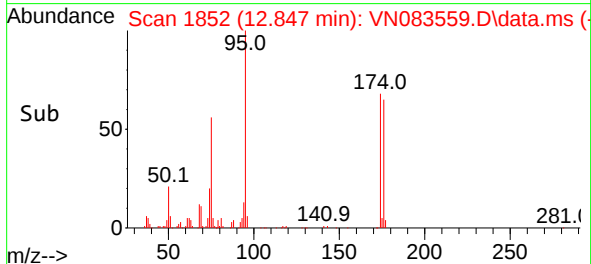
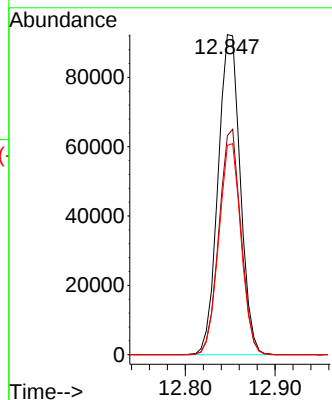
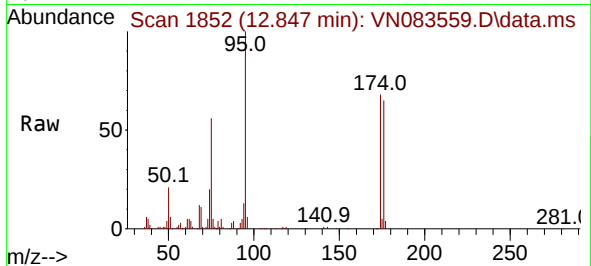




#62
4-Bromofluorobenzene
Concen: 59.737 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083559.D
Acq: 29 Aug 2024 16:26

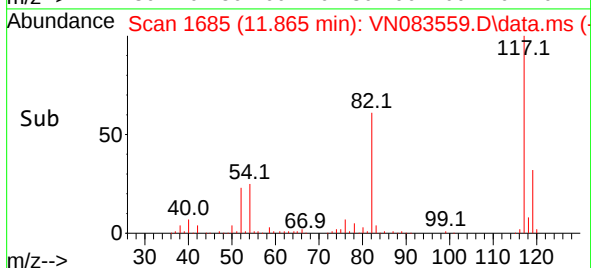
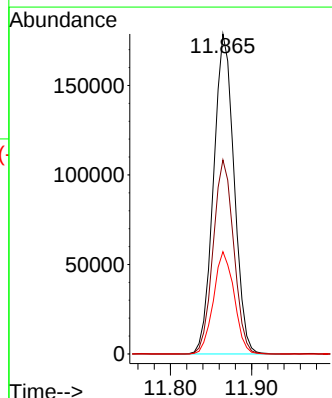
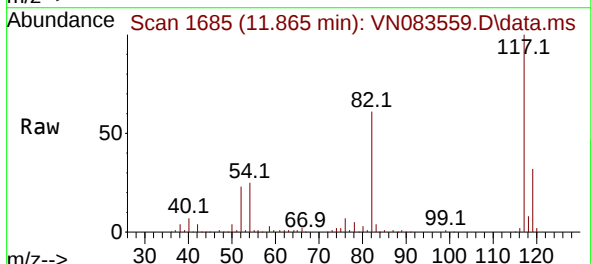
Instrument :
MSVOA_N
ClientSampleId :

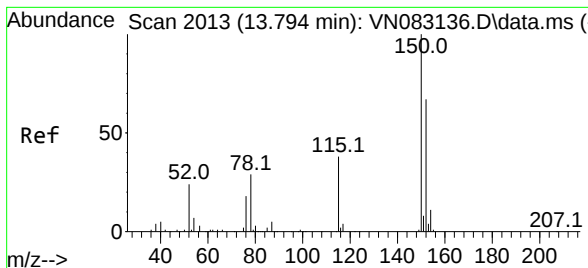
Tgt Ion: 95 Resp: 158974
Ion Ratio Lower Upper
95 100
174 69.5 0.0 159.2
176 66.0 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083559.D
Acq: 29 Aug 2024 16:26

Tgt Ion: 117 Resp: 314269
Ion Ratio Lower Upper
117 100
82 60.6 47.5 71.3
119 32.0 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

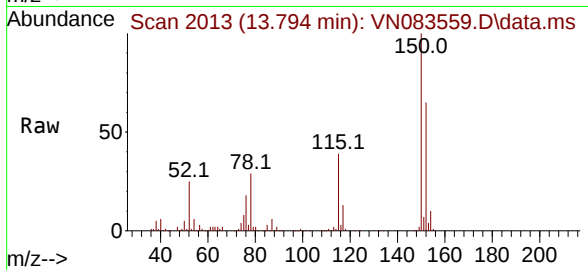
Lab File: VN083559.D

Acq: 29 Aug 2024 16:26

Instrument :

MSVOA_N

ClientSampleId :



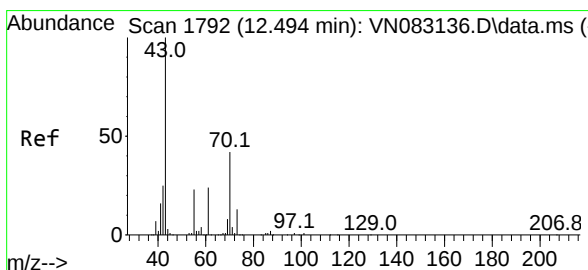
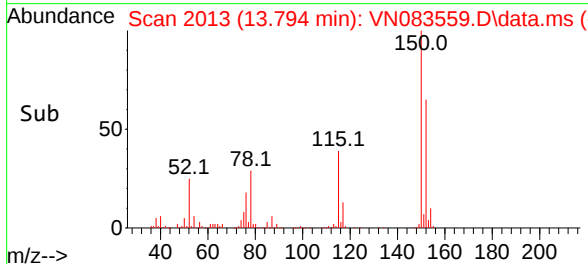
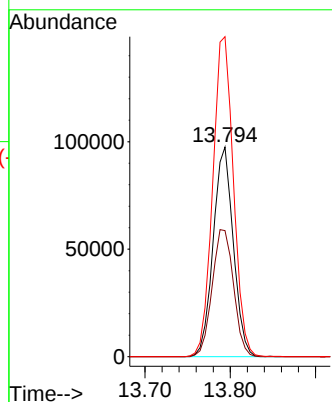
Tgt Ion:152 Resp: 159791

Ion Ratio Lower Upper

152 100

115 64.2 30.6 91.6

150 157.2 0.0 348.6



#74

N-ethyl acetate

Concen: 0.317 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.012 min

Lab File: VN083559.D

Acq: 29 Aug 2024 16:26

Tgt Ion: 43 Resp: 2071

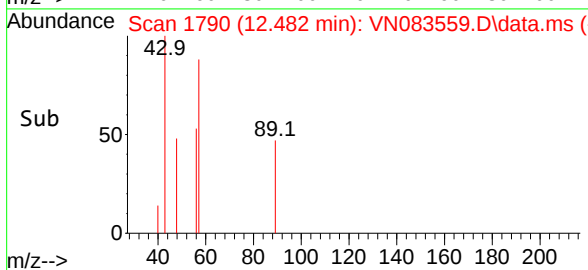
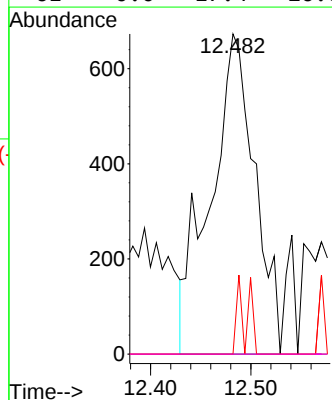
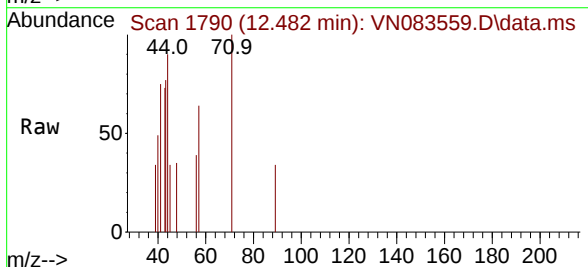
Ion Ratio Lower Upper

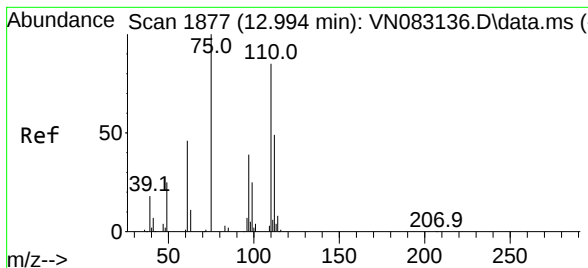
43 100

70 0.0 29.8 44.6#

55 5.6 18.7 28.1#

61 0.0 17.4 26.0#





#76

1,2,3-Trichloropropane

Concen: 25.133 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083559.D

Acq: 29 Aug 2024 16:26

Instrument :

MSVOA_N

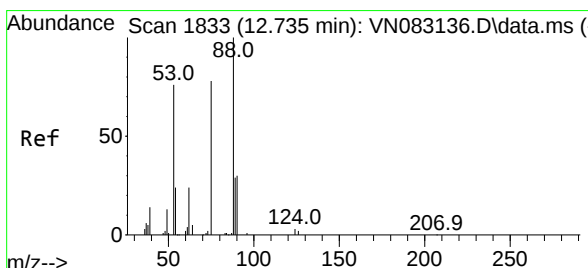
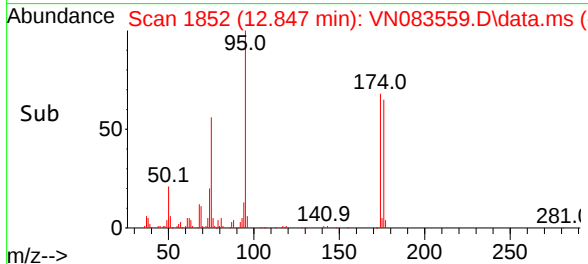
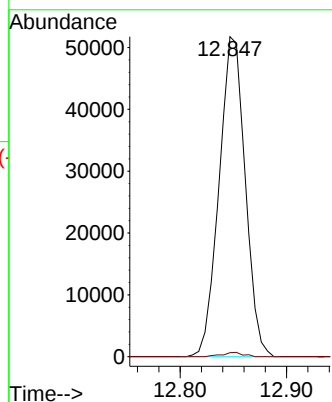
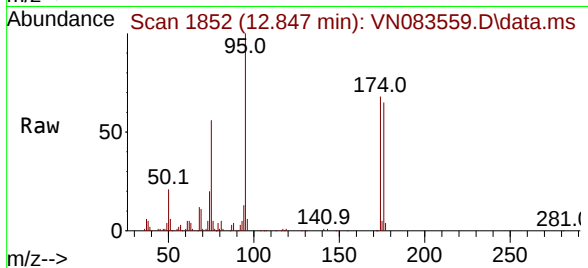
ClientSampleId :

Tgt Ion: 75 Resp: 88142

Ion Ratio Lower Upper

75 100

77 1.1 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.670 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083559.D

Acq: 29 Aug 2024 16:26

Tgt Ion: 75 Resp: 88142

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#

