

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
 Data File : VN083987.D
 Acq On : 18 Sep 2024 17:03
 Operator : JC\MD
 Sample : PB163447ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 01:36:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

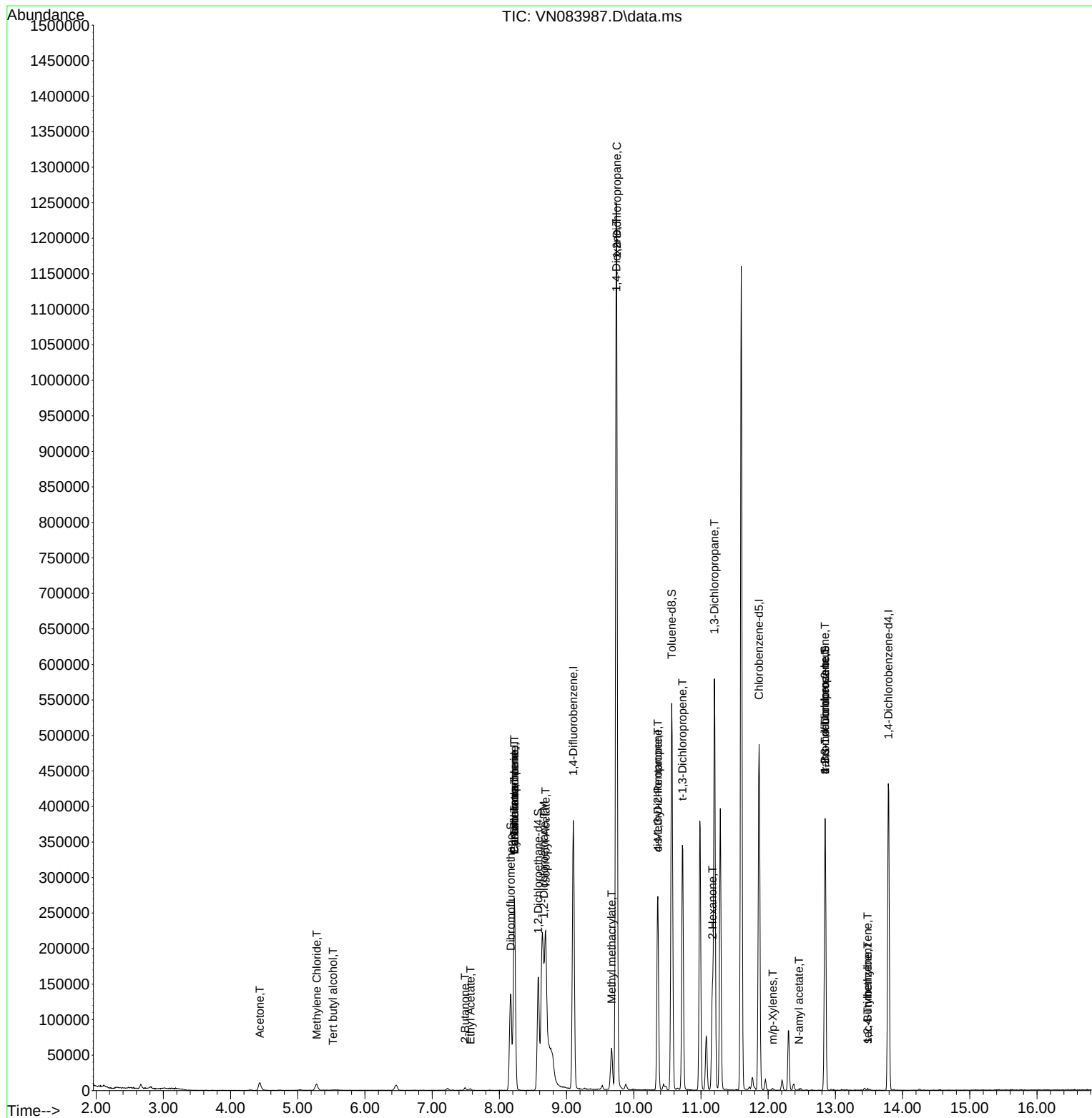
Internal Standards						
1) Pentafluorobenzene	8.224	168	178438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	310028	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	262435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	109083	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	135885	50.504	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.000%	
35) Dibromofluoromethane	8.171	113	95886	48.311	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.620%	
50) Toluene-d8	10.565	98	364650	53.145	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.280%	
62) 4-Bromofluorobenzene	12.847	95	128041	45.231	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 90.460%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	142	Below Cal	#	41
11) Tert butyl alcohol	5.524	59	994	2.759	ug/l #	71
16) Acetone	4.436	43	21830	20.239	ug/l	94
18) Methyl Acetate	5.036	43	1812	Below Cal	#	74
20) Methylene Chloride	5.283	84	6559	2.972	ug/l	95
25) 2-Butanone	7.488	43	5872	4.142	ug/l	91
31) Cyclohexane	8.224	56	4778	1.229	ug/l #	38
36) 1,1-Dichloropropene	8.224	75	16646	5.572	ug/l #	50
37) Ethyl Acetate	7.571	43	3848	1.419	ug/l #	78
38) Carbon Tetrachloride	8.224	117	20617	6.083	ug/l #	17
42) 1,2-Dichloroethane	8.665	62	944	0.281	ug/l #	77
43) Isopropyl Acetate	8.688	43	361817	73.632	ug/l #	74
45) 1,2-Dichloropropane	9.747	63	1582	0.728	ug/l #	42
48) Methyl methacrylate	9.671	41	3871	1.660	ug/l #	45
49) 1,4-Dioxane	9.741	88	58	1.512	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	109569	40.963	ug/l #	44
53) t-1,3-Dichloropropene	10.724	75	838	0.251	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	46459	13.245	ug/l #	63
57) 1,3-Dichloropropane	11.200	76	5927	1.680	ug/l #	42
59) 2-Hexanone	11.171	43	124004	62.671	ug/l #	24
68) m/p-Xylenes	12.070	106	943	0.245	ug/l	97
74) N-amyl acetate	12.459	43	1386	0.385	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	72908	33.124	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72908	86.754	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.482	105	1877	0.263	ug/l	90
85) sec-Butylbenzene	13.482	105	1877	0.227	ug/l #	57

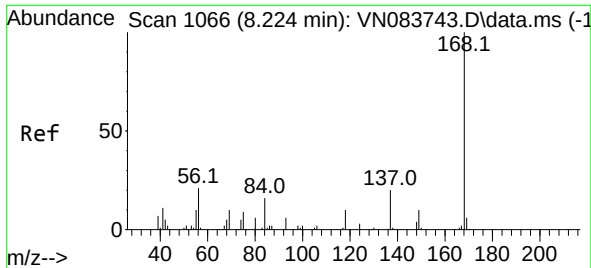
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
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Sample : PB163447ZHE#04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :

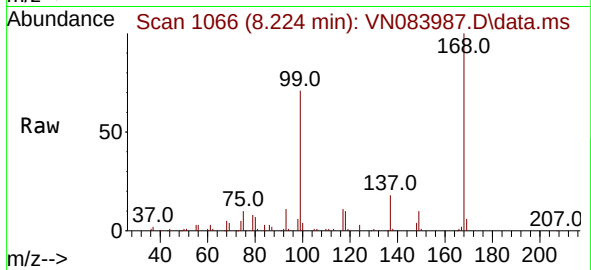
Quant Time: Sep 19 01:36:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



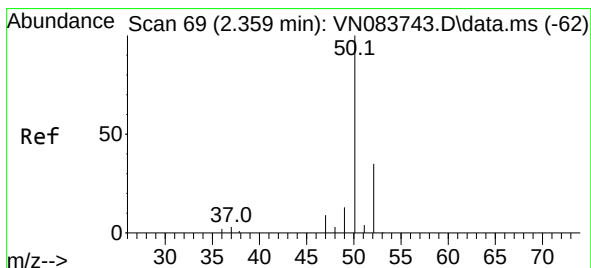
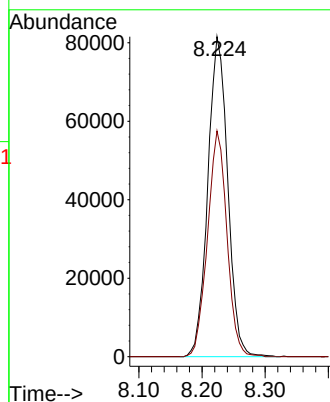
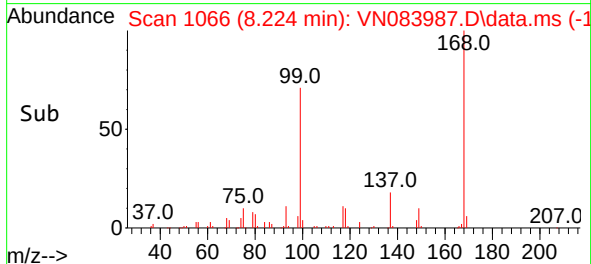


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083987.D
Acq: 18 Sep 2024 17:03

Instrument :
MSVOA_N
ClientSampleId :

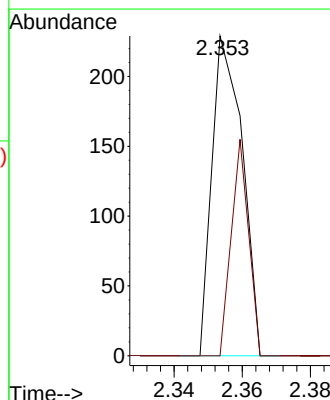
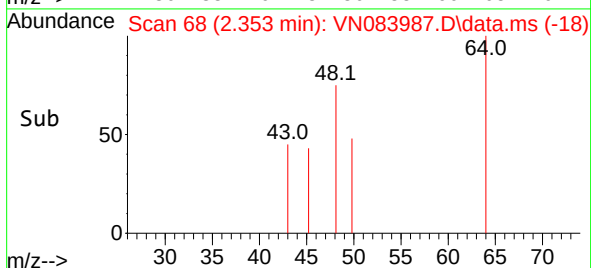
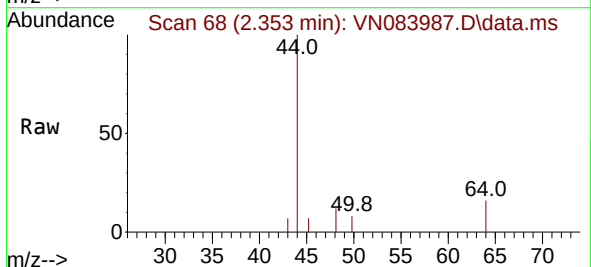


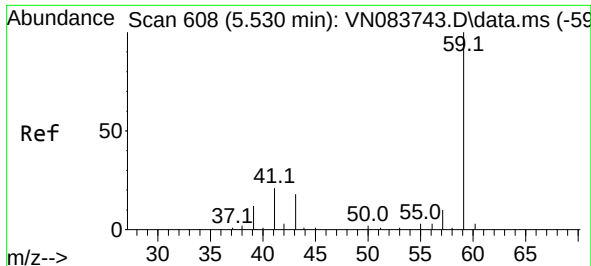
Tgt Ion:168 Resp: 178438
Ion Ratio Lower Upper
168 100
99 70.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN083987.D
Acq: 18 Sep 2024 17:03

Tgt Ion: 50 Resp: 142
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#





#11

Tert butyl alcohol

Concen: 2.759 ug/l

RT: 5.524 min Scan# 608

Delta R.T. -0.006 min

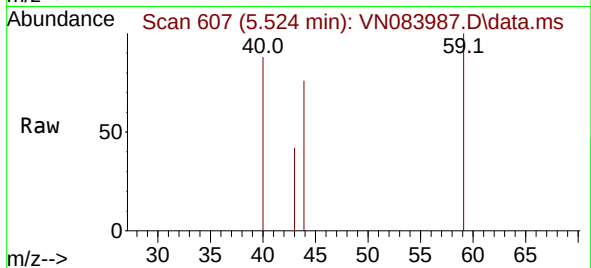
Lab File: VN083987.D

Acq: 18 Sep 2024 17:03

Instrument :

MSVOA_N

ClientSampleId :

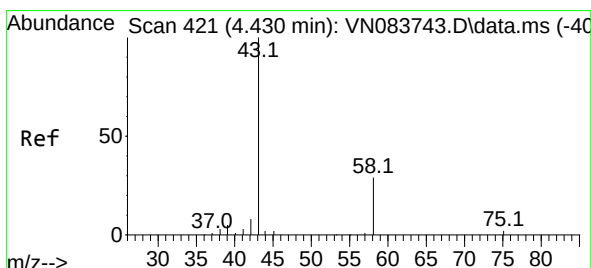
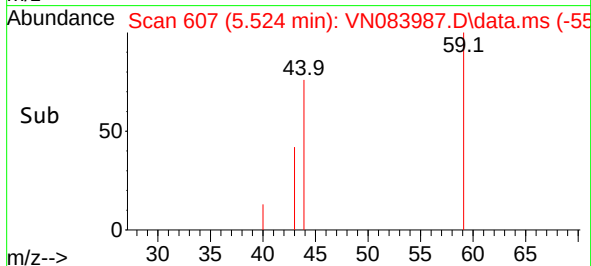
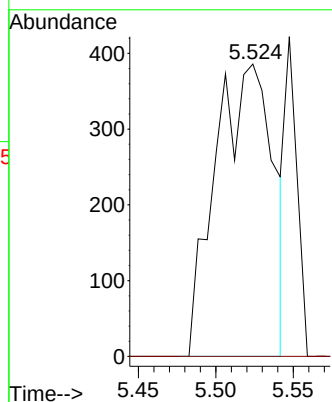


Tgt Ion: 59 Resp: 994

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#16

Acetone

Concen: 20.239 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.006 min

Lab File: VN083987.D

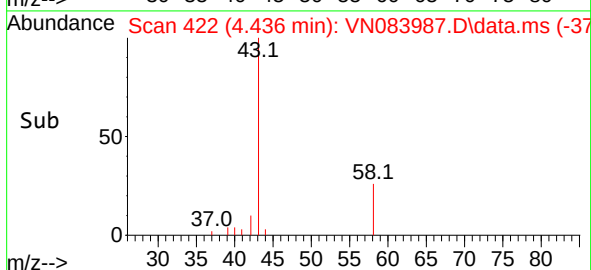
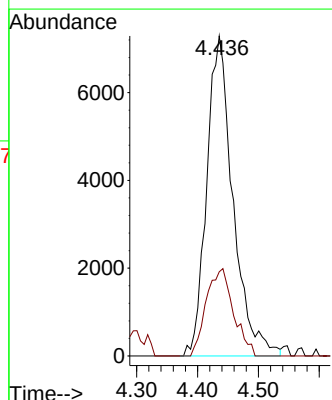
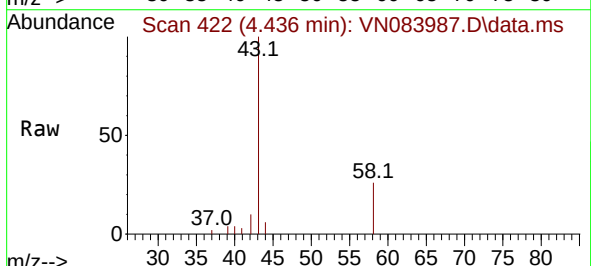
Acq: 18 Sep 2024 17:03

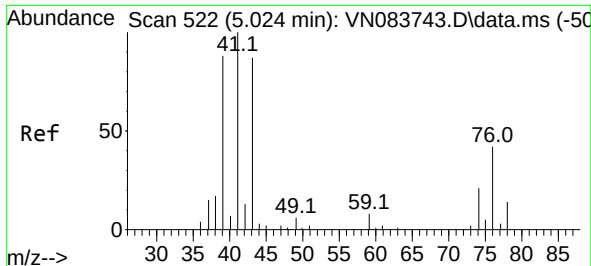
Tgt Ion: 43 Resp: 21830

Ion Ratio Lower Upper

43 100

58 26.3 23.7 35.5

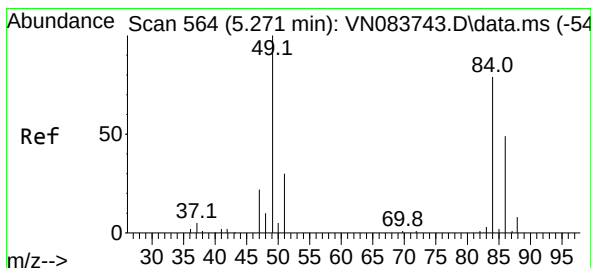
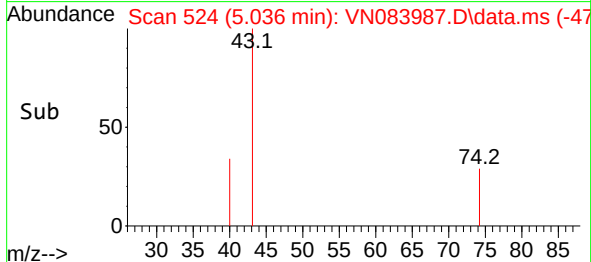
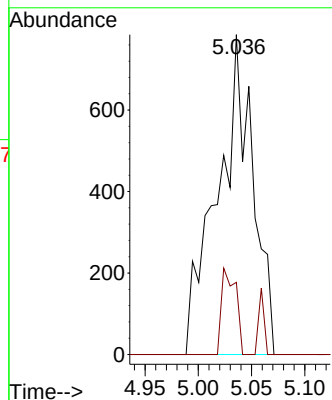
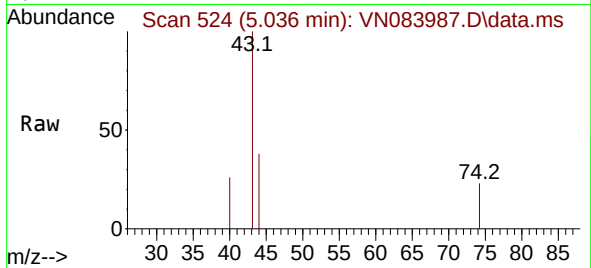




#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN083987.D
Acq: 18 Sep 2024 17:03

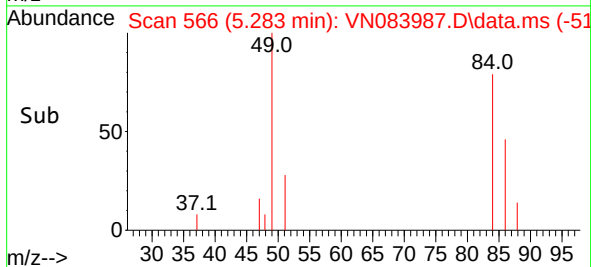
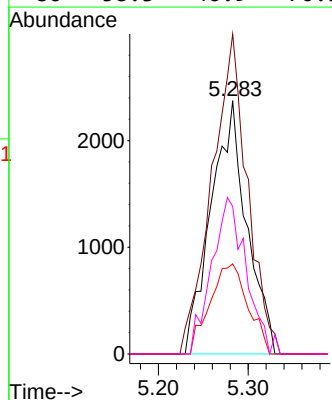
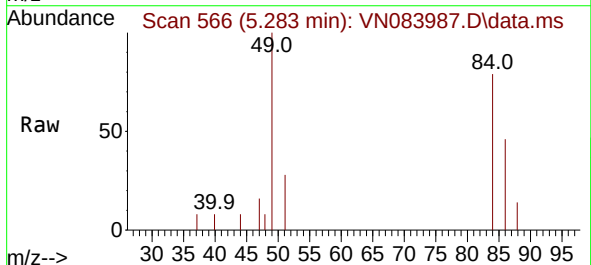
Instrument :
MSVOA_N
ClientSampleId :

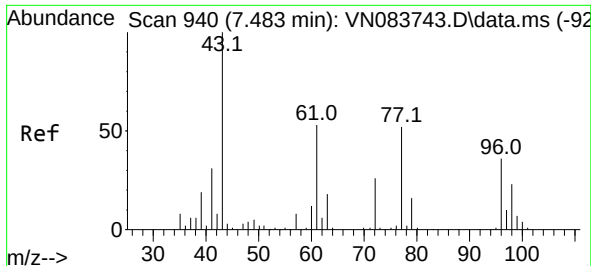
Tgt Ion: 43 Resp: 1812
Ion Ratio Lower Upper
43 100
74 10.9 19.0 28.4#



#20
Methylene Chloride
Concen: 2.972 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN083987.D
Acq: 18 Sep 2024 17:03

Tgt Ion: 84 Resp: 6559
Ion Ratio Lower Upper
84 100
49 126.4 93.4 140.0
51 35.6 29.2 43.8
86 58.3 46.9 70.3

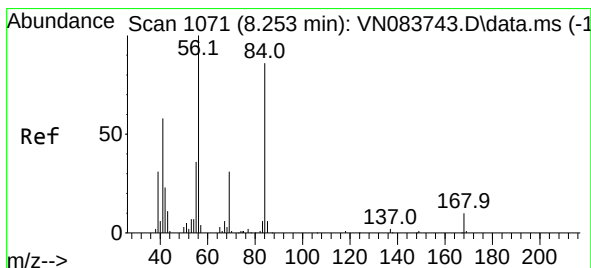
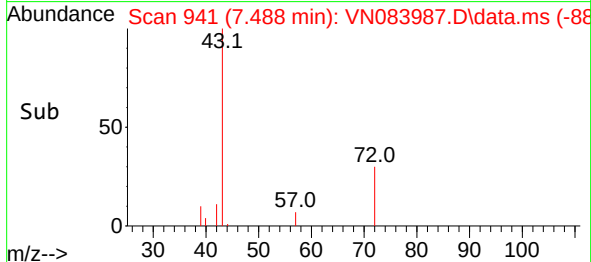
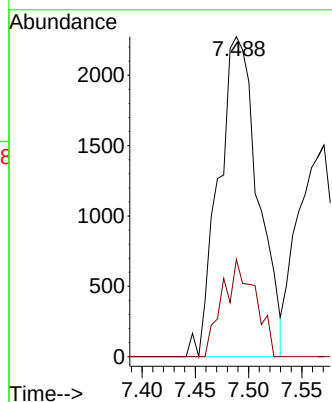
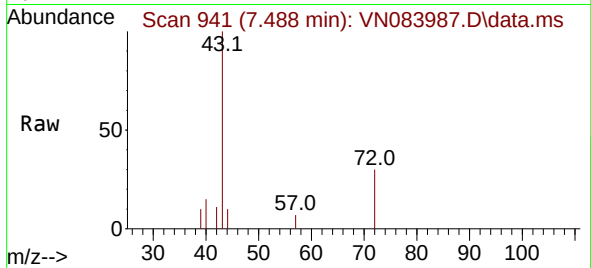




#25
2-Butanone
Concen: 4.142 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083987.D
Acq: 18 Sep 2024 17:03

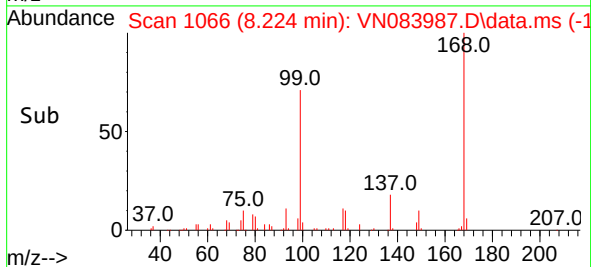
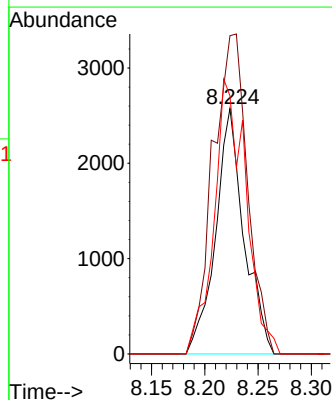
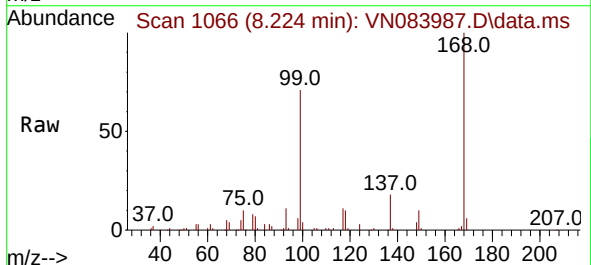
Instrument :
MSVOA_N
ClientSampleId :

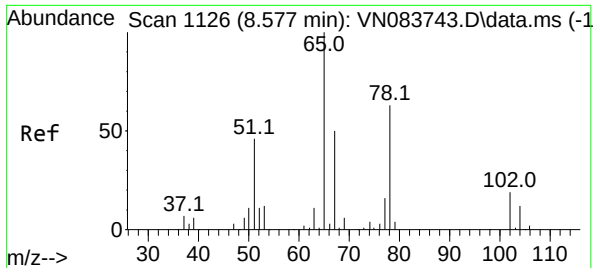
Tgt Ion: 43 Resp: 5872
Ion Ratio Lower Upper
43 100
72 30.4 20.8 31.2



#31
Cyclohexane
Concen: 1.229 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN083987.D
Acq: 18 Sep 2024 17:03

Tgt Ion: 56 Resp: 4778
Ion Ratio Lower Upper
56 100
69 129.7 26.9 40.3#
84 105.2 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 50.504 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083987.D

Acq: 18 Sep 2024 17:03

Instrument :

MSVOA_N

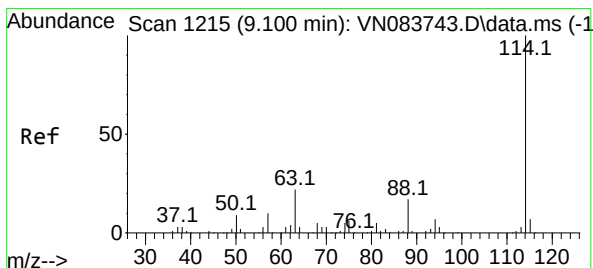
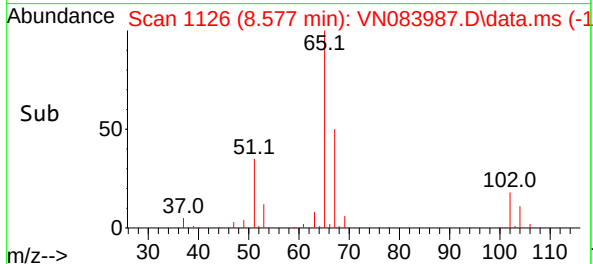
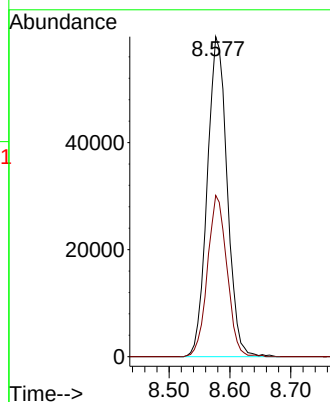
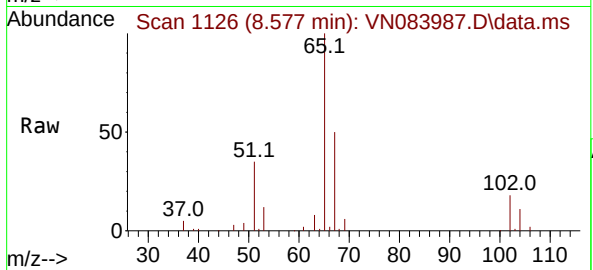
ClientSampleId :

Tgt Ion: 65 Resp: 135885

Ion Ratio Lower Upper

65 100

67 49.3 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083987.D

Acq: 18 Sep 2024 17:03

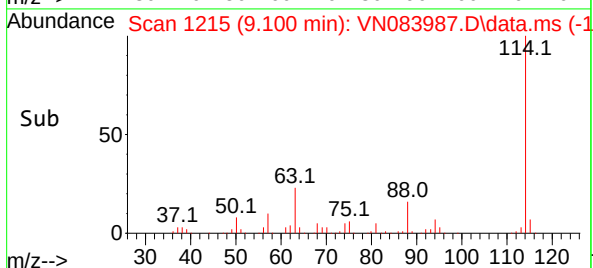
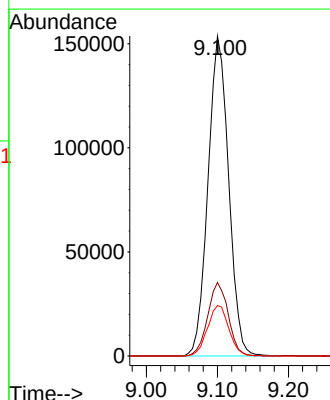
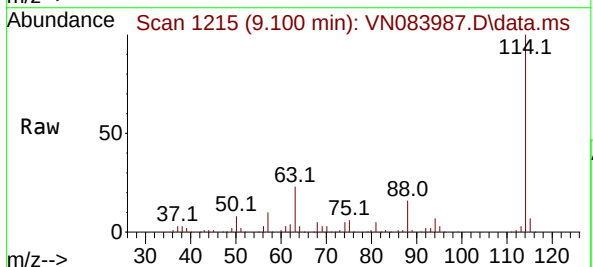
Tgt Ion: 114 Resp: 310028

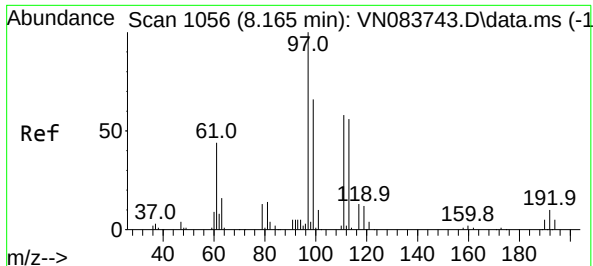
Ion Ratio Lower Upper

114 100

63 22.9 0.0 43.4

88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.311 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

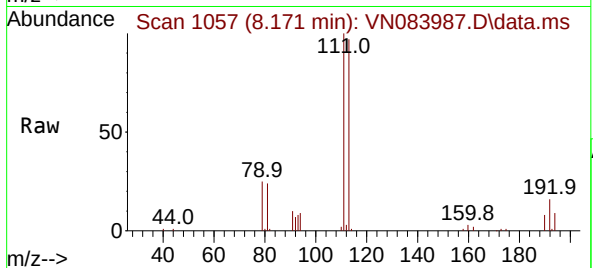
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Acq: 18 Sep 2024 17:03

Instrument :

MSVOA_N

ClientSampleId :



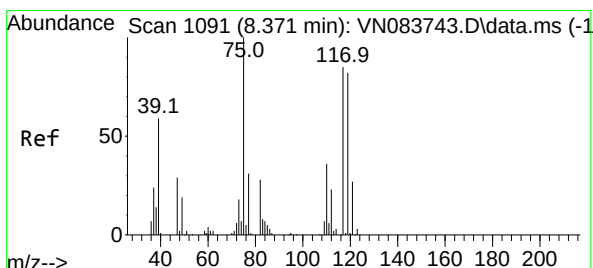
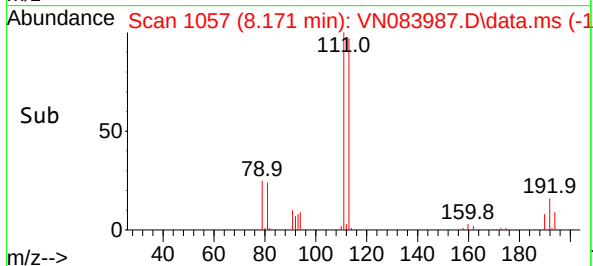
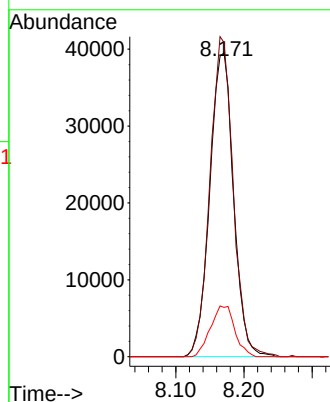
Tgt Ion:113 Resp: 95886

Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 17.1 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.572 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083987.D

Acq: 18 Sep 2024 17:03

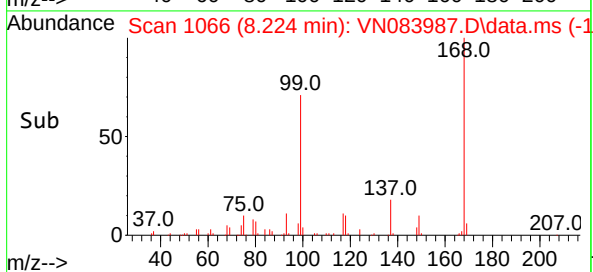
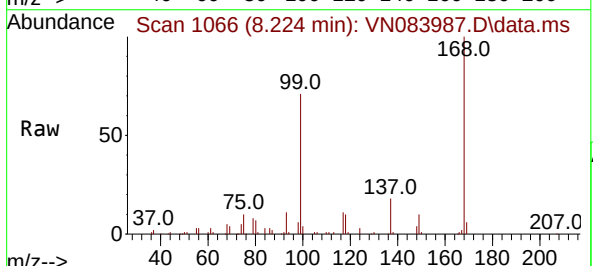
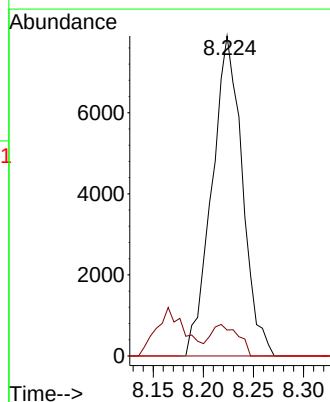
Tgt Ion: 75 Resp: 16646

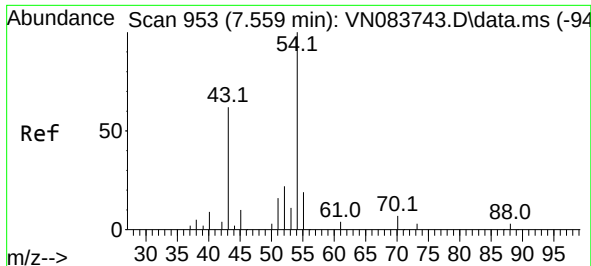
Ion Ratio Lower Upper

75 100

110 8.8 16.7 50.1#

77 0.0 25.2 37.8#

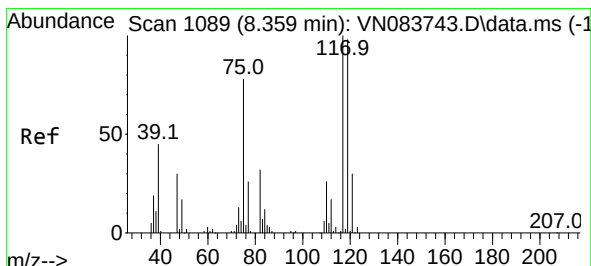
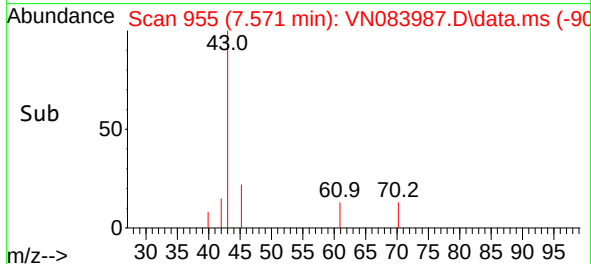
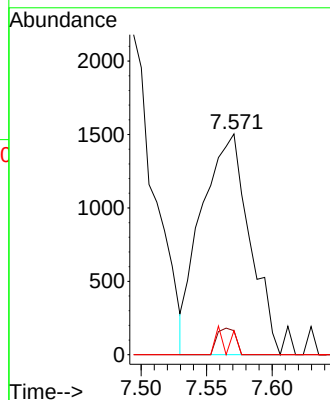
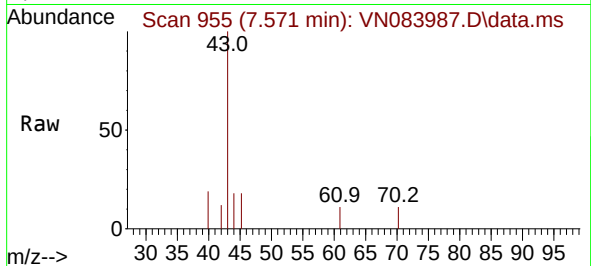




#37
Ethyl Acetate
Concen: 1.419 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN083987.D
Acq: 18 Sep 2024 17:03

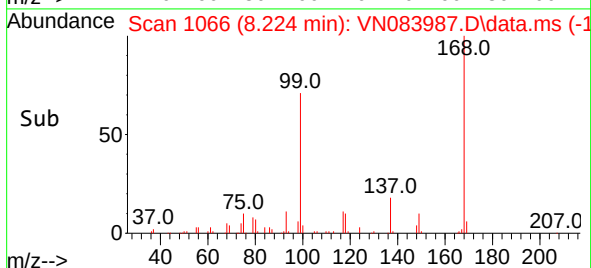
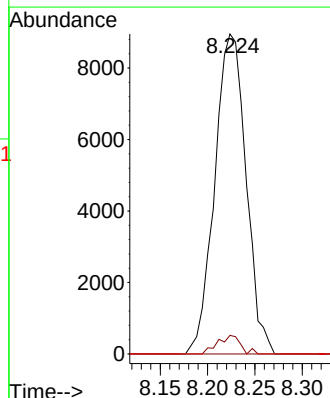
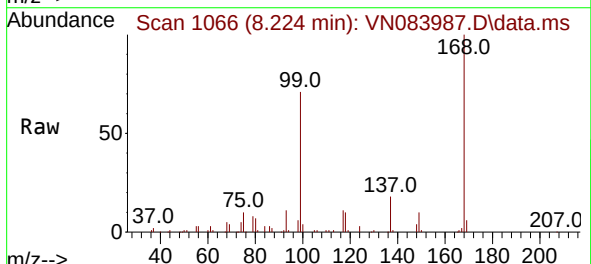
Instrument :
MSVOA_N
ClientSampleId :

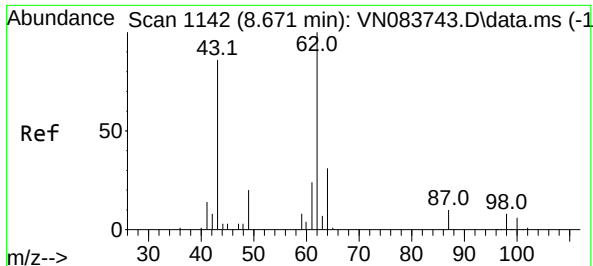
Tgt Ion: 43 Resp: 3848
Ion Ratio Lower Upper
43 100
61 4.6 11.1 16.7#
70 3.3 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 6.083 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083987.D
Acq: 18 Sep 2024 17:03

Tgt Ion: 117 Resp: 20617
Ion Ratio Lower Upper
117 100
119 5.8 76.1 114.1#
121 0.0 24.1 36.1#





#42

1,2-Dichloroethane

Concen: 0.281 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.006 min

Lab File: VN083987.D

Acq: 18 Sep 2024 17:03

Instrument :

MSVOA_N

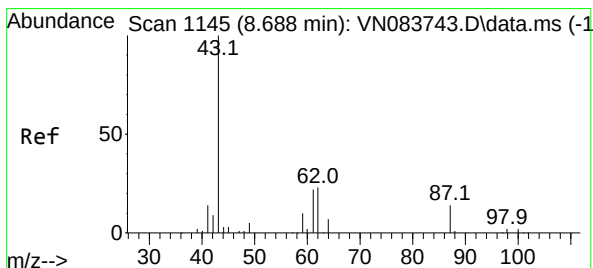
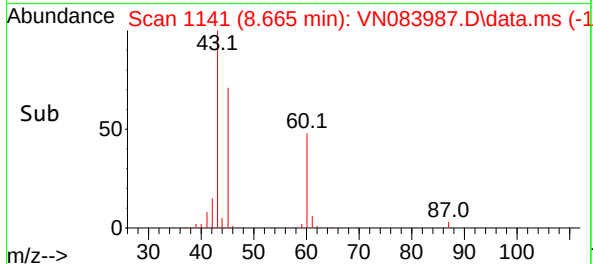
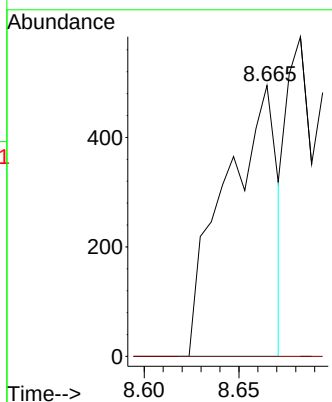
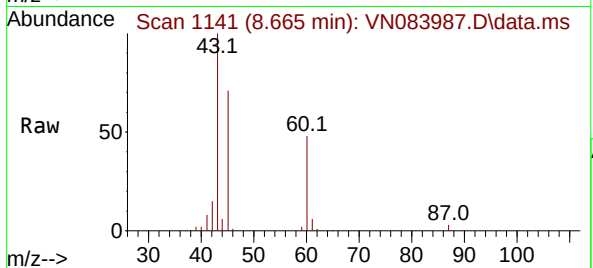
ClientSampleId :

Tgt Ion: 62 Resp: 944

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 73.632 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN083987.D

Acq: 18 Sep 2024 17:03

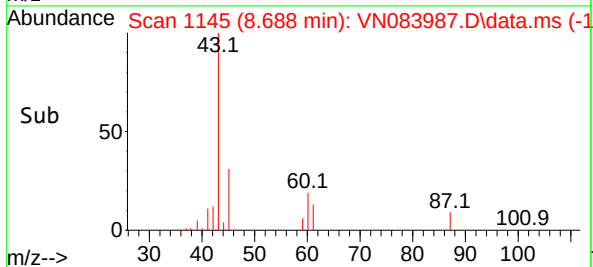
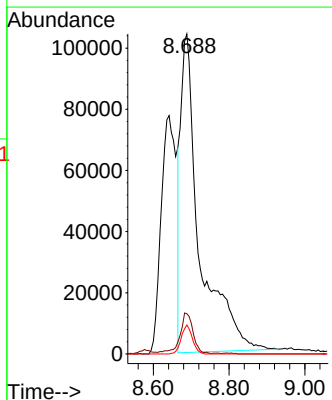
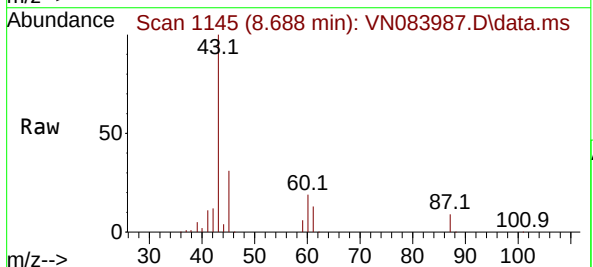
Tgt Ion: 43 Resp: 361817

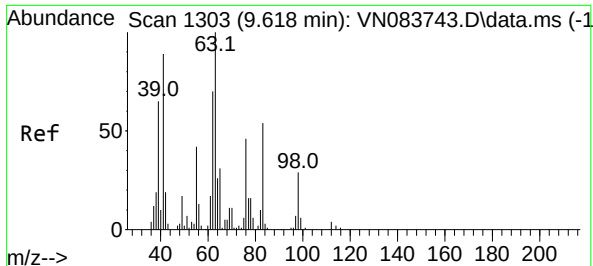
Ion Ratio Lower Upper

43 100

61 9.1 19.4 29.0#

87 5.2 9.8 14.6#

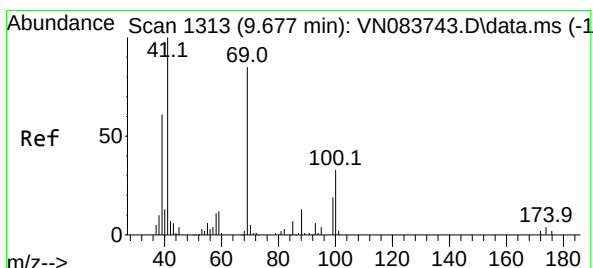
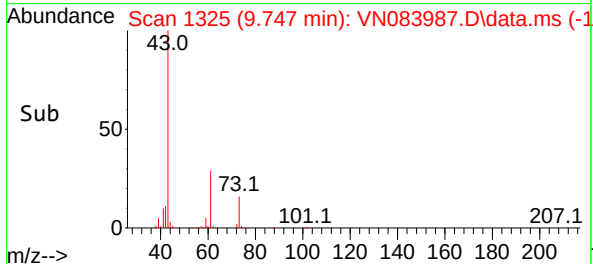
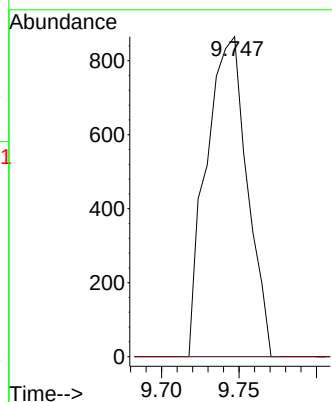
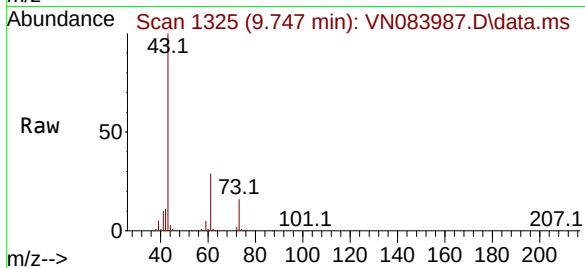




#45
1,2-Dichloropropane
Concen: 0.728 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.129 min
Lab File: VN083987.D
Acq: 18 Sep 2024 17:03

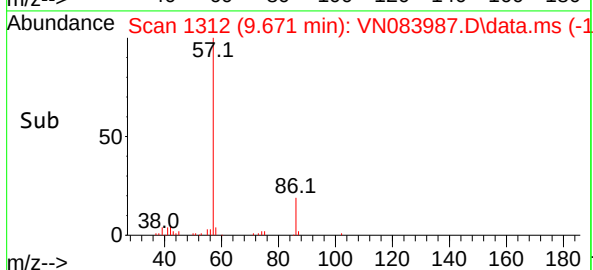
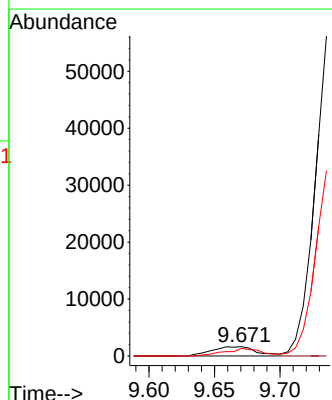
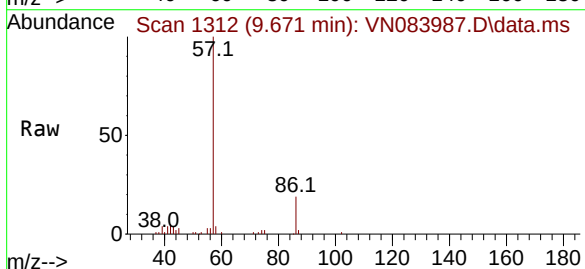
Instrument :
MSVOA_N
ClientSampleId :

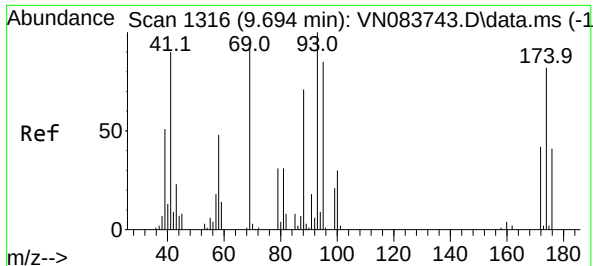
Tgt Ion: 63 Resp: 1582
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#



#48
Methyl methacrylate
Concen: 1.660 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.006 min
Lab File: VN083987.D
Acq: 18 Sep 2024 17:03

Tgt Ion: 41 Resp: 3871
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 67.4 48.9 73.3





#49

1,4-Dioxane

Concen: 1.512 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.047 min

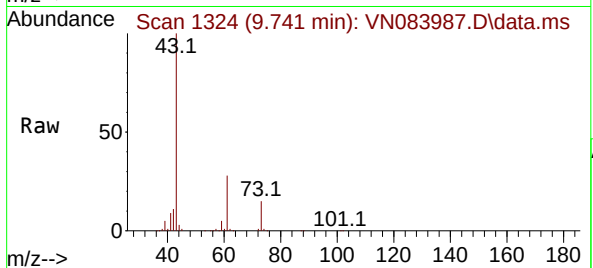
Lab File: VN083987.D

Acq: 18 Sep 2024 17:03

Instrument :

MSVOA_N

ClientSampleId :



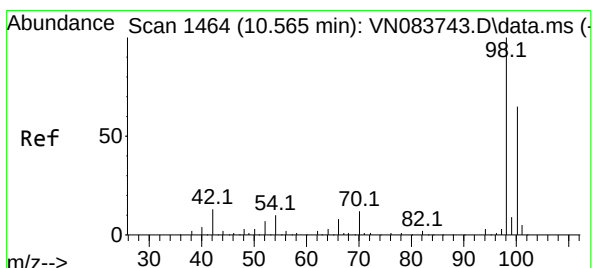
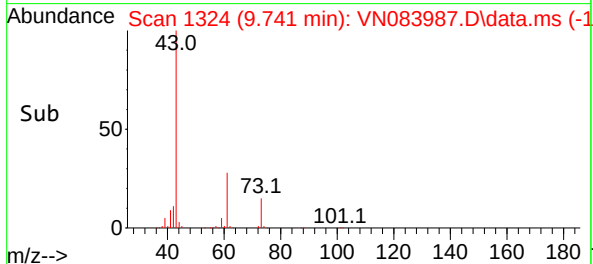
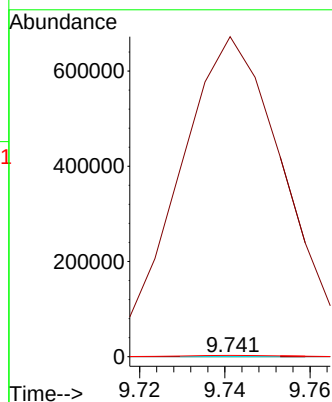
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 2059772.4 0.0 0.0#

58 7963.8 57.1 85.7#



#50

Toluene-d8

Concen: 53.145 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083987.D

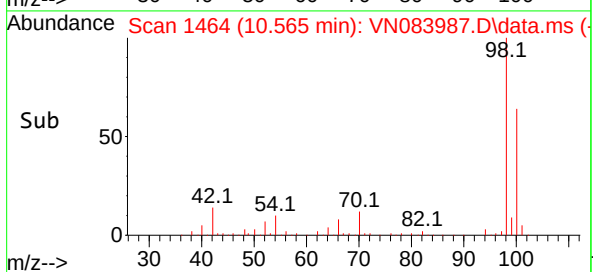
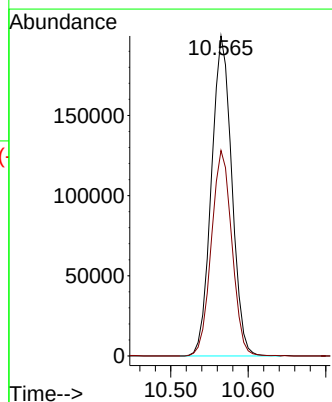
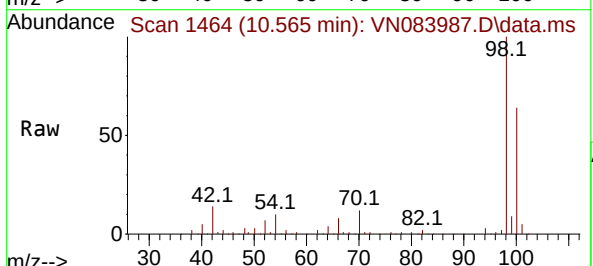
Acq: 18 Sep 2024 17:03

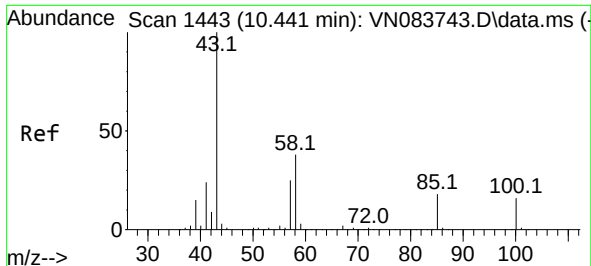
Tgt Ion: 98 Resp: 364650

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0

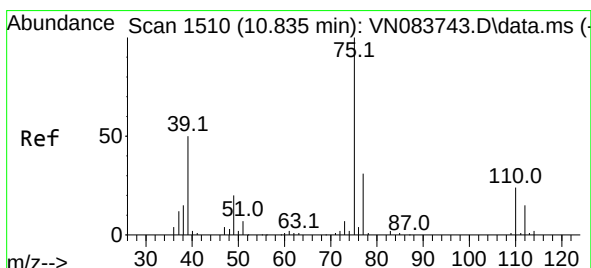
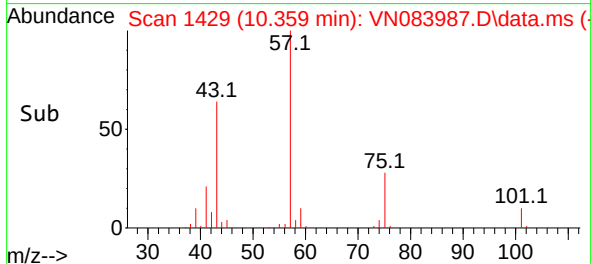
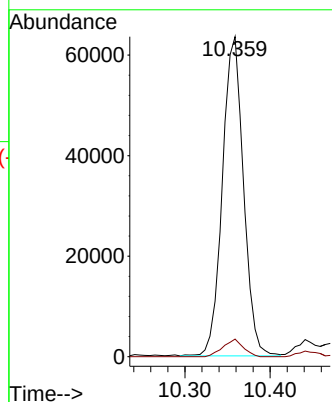
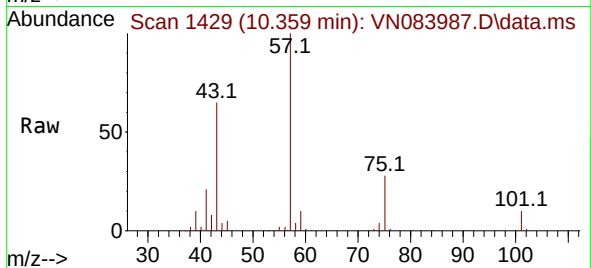




#51
4-Methyl-2-Pentanone
Concen: 40.963 ug/l
RT: 10.359 min Scan# 1443
Delta R.T. -0.082 min
Lab File: VN083987.D
Acq: 18 Sep 2024 17:03

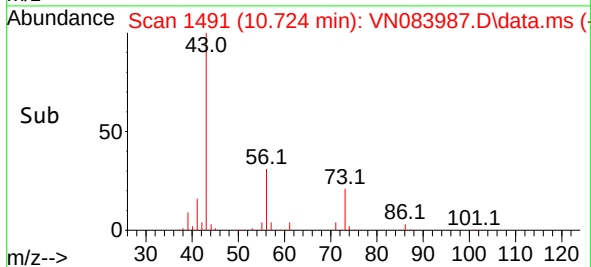
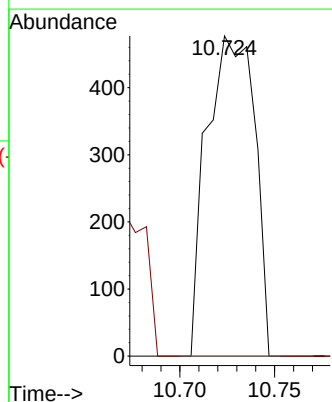
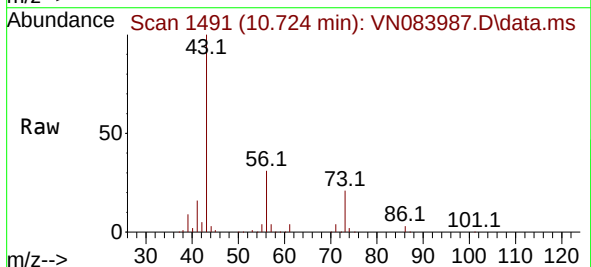
Instrument :
MSVOA_N
ClientSampleId :

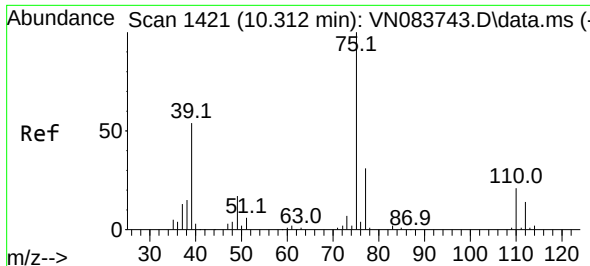
Tgt Ion: 43 Resp: 109569
Ion Ratio Lower Upper
43 100
58 5.3 31.6 47.4#



#53
t-1,3-Dichloropropene
Concen: 0.251 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN083987.D
Acq: 18 Sep 2024 17:03

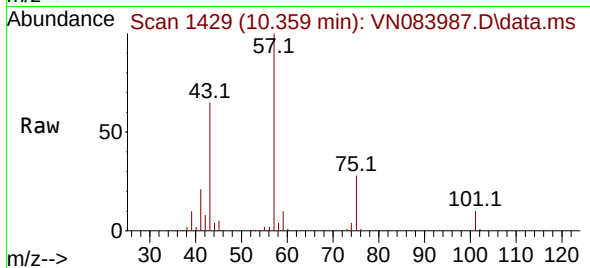
Tgt Ion: 75 Resp: 838
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#



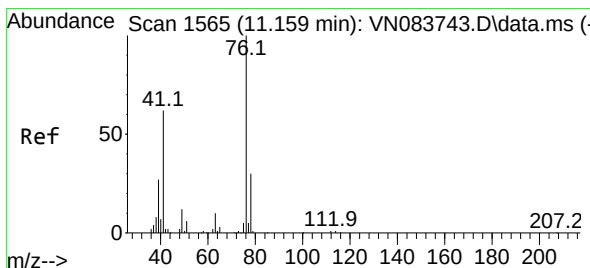
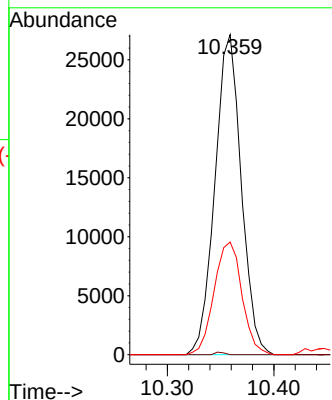
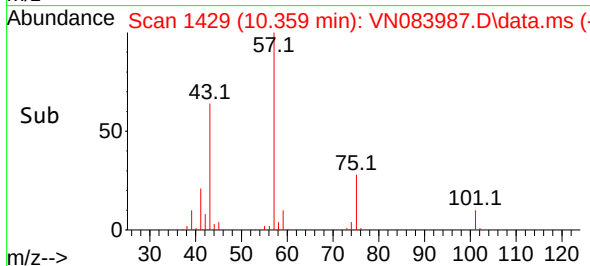


#54
 cis-1,3-Dichloropropene
 Concen: 13.245 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083987.D
 Acq: 18 Sep 2024 17:03

Instrument :
 MSVOA_N
 ClientSampleId :

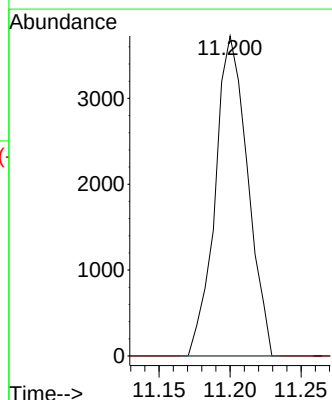
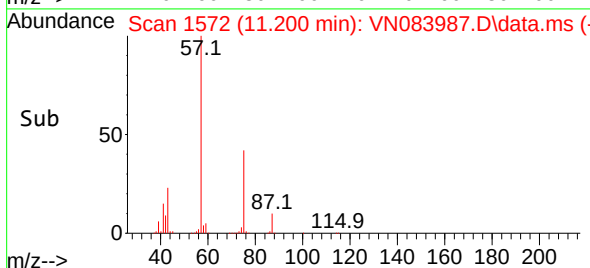
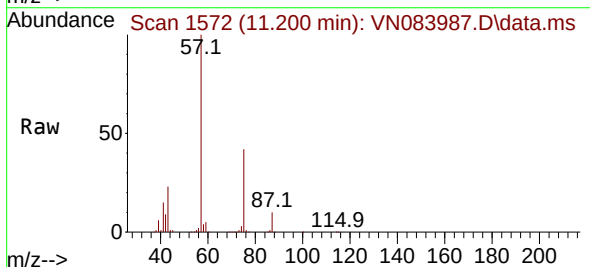


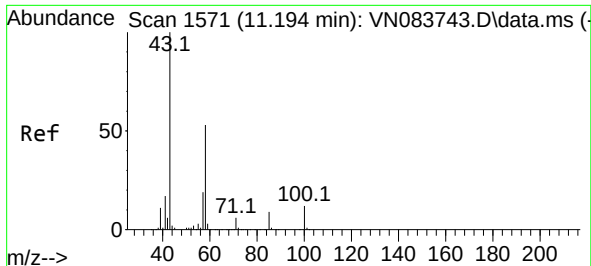
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.0	37.6#
39	35.2	42.6	64.0#



#57
 1,3-Dichloropropane
 Concen: 1.680 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.041 min
 Lab File: VN083987.D
 Acq: 18 Sep 2024 17:03

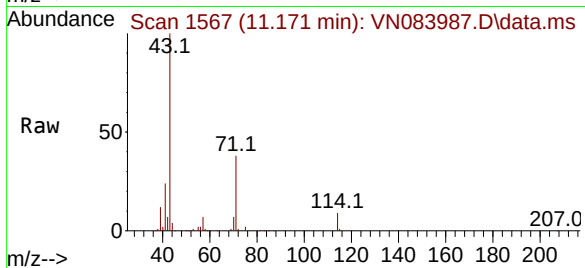
Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.8	38.6#



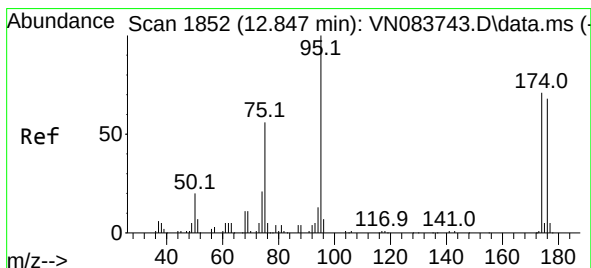
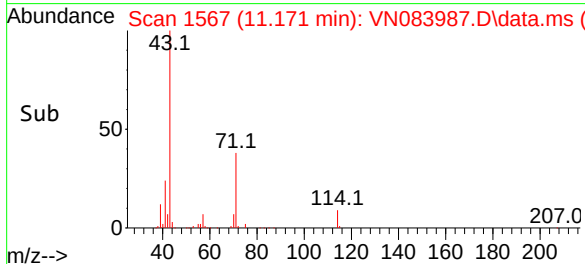
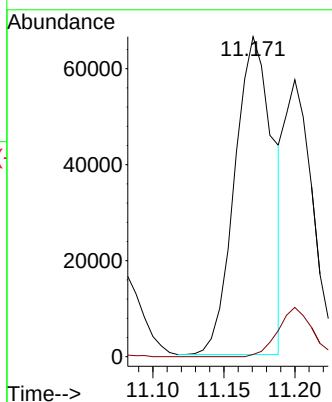


#59
2-Hexanone
Concen: 62.671 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN083987.D
Acq: 18 Sep 2024 17:03

Instrument :
MSVOA_N
ClientSampleId :

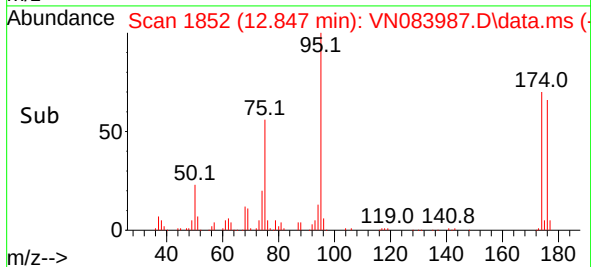
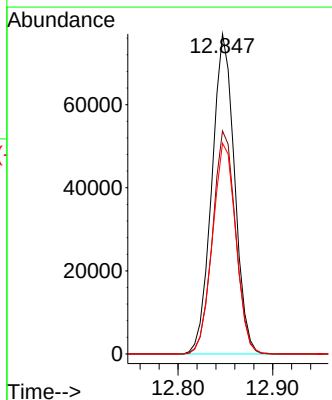
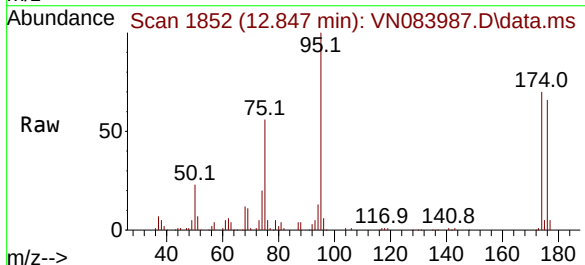


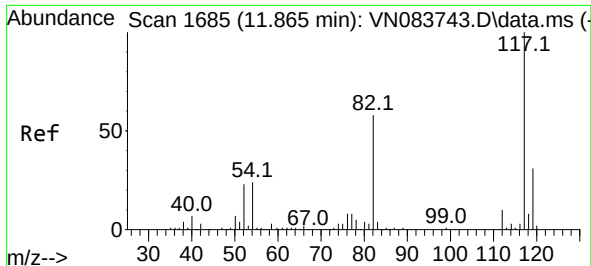
Tgt Ion: 43 Resp: 124004
Ion Ratio Lower Upper
43 100
58 0.0 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 45.231 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083987.D
Acq: 18 Sep 2024 17:03

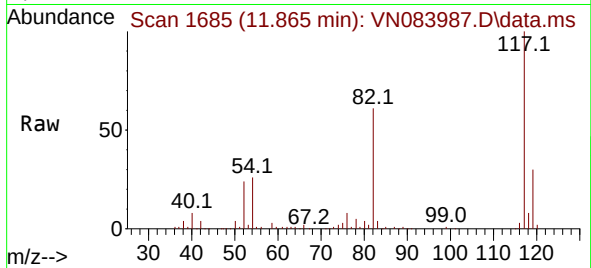
Tgt Ion: 95 Resp: 128041
Ion Ratio Lower Upper
95 100
174 70.8 0.0 139.8
176 68.0 0.0 131.4



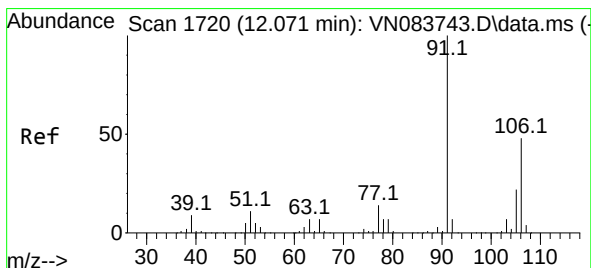
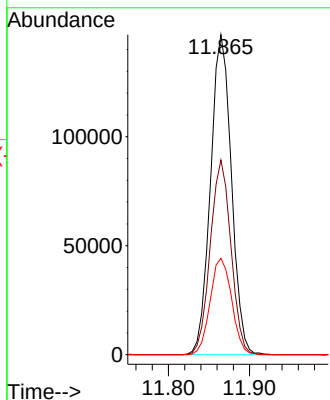
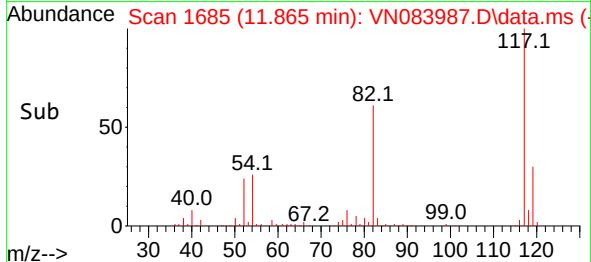


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN083987.D
Acq: 18 Sep 2024 17:03

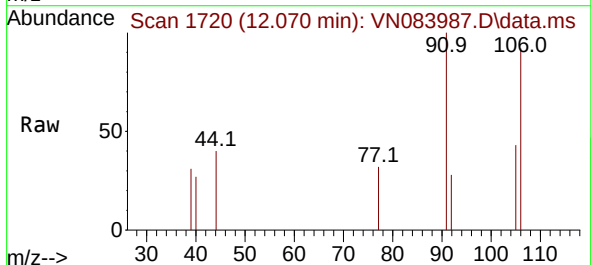
Instrument :
MSVOA_N
ClientSampleId :



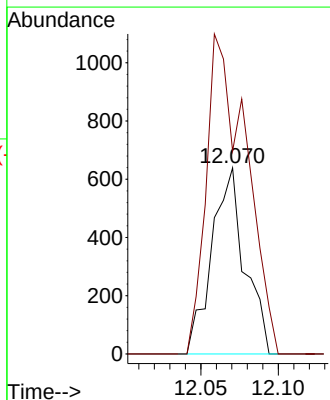
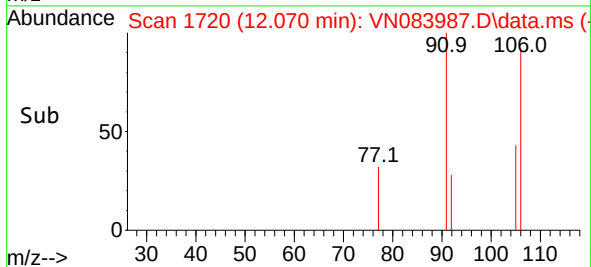
Tgt Ion:117 Resp: 262435
Ion Ratio Lower Upper
117 100
82 60.9 47.4 71.0
119 30.1 26.3 39.5

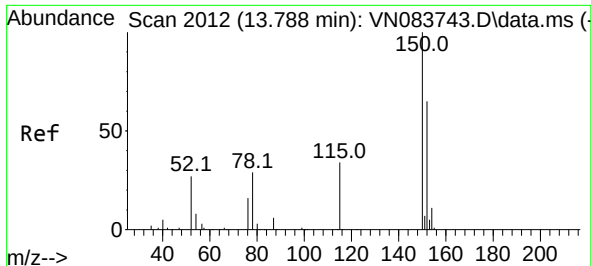


#68
m/p-Xylenes
Concen: 0.245 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN083987.D
Acq: 18 Sep 2024 17:03



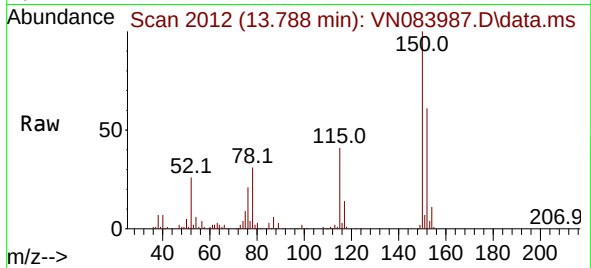
Tgt Ion:106 Resp: 943
Ion Ratio Lower Upper
106 100
91 207.1 169.2 253.8



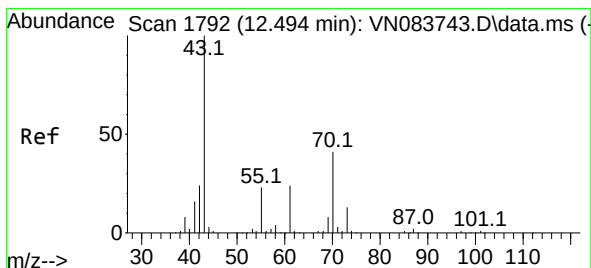
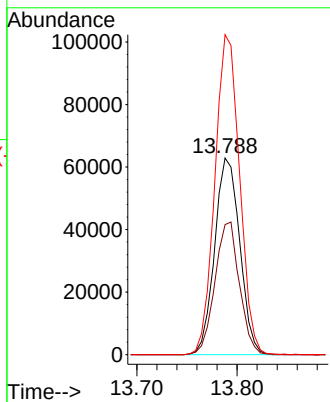
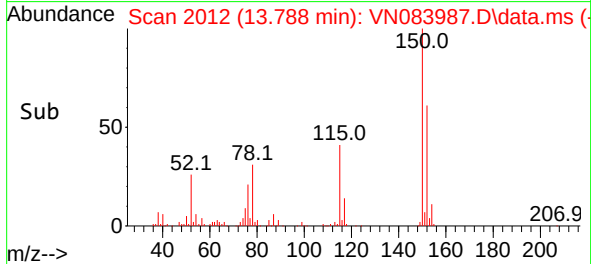


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN083987.D
 Acq: 18 Sep 2024 17:03

Instrument :
 MSVOA_N
 ClientSampleId :

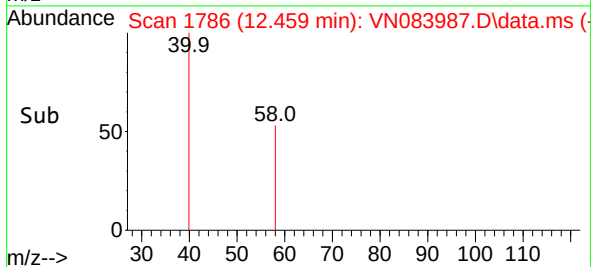
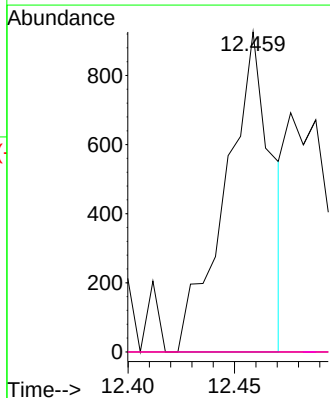
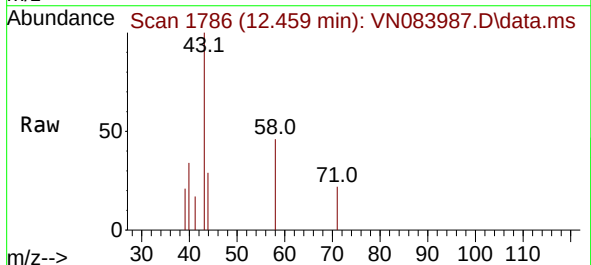


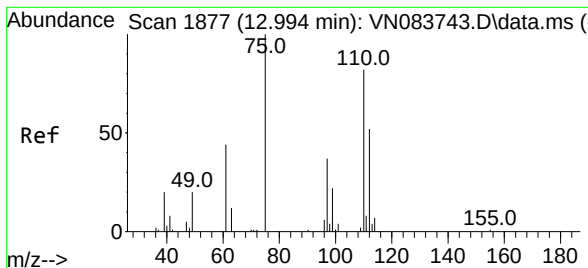
Tgt Ion:152 Resp: 109083
 Ion Ratio Lower Upper
 152 100
 115 65.9 32.2 96.6
 150 160.2 0.0 348.6



#74
 N-ethyl acetate
 Concen: 0.385 ug/l
 RT: 12.459 min Scan# 1786
 Delta R.T. -0.035 min
 Lab File: VN083987.D
 Acq: 18 Sep 2024 17:03

Tgt Ion: 43 Resp: 1386
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.5 51.7#
 55 0.0 18.6 28.0#
 61 0.0 19.2 28.8#





#76

1,2,3-Trichloropropane

Concen: 33.124 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083987.D

Acq: 18 Sep 2024 17:03

Instrument :

MSVOA_N

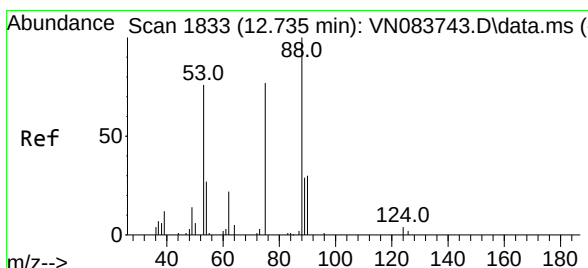
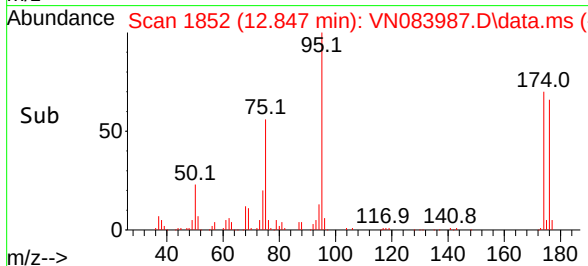
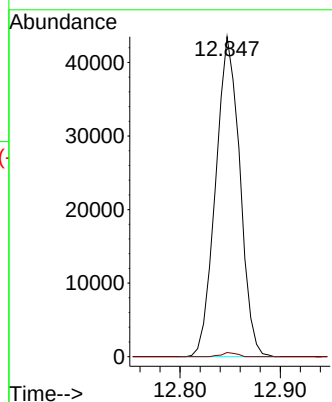
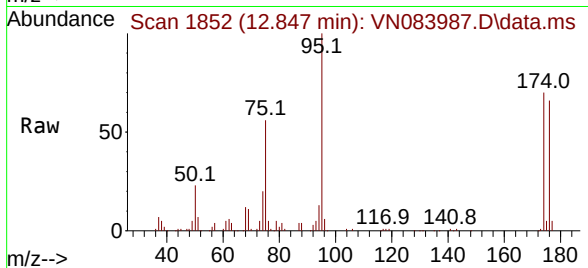
ClientSampleId :

Tgt Ion: 75 Resp: 72908

Ion Ratio Lower Upper

75 100

77 0.8 95.2 285.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 86.754 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083987.D

Acq: 18 Sep 2024 17:03

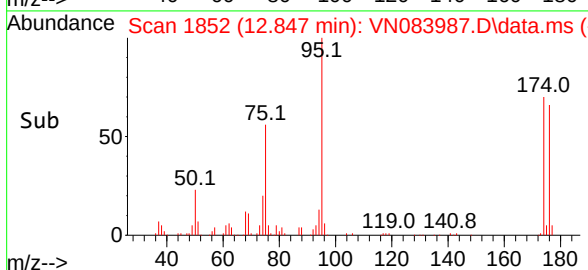
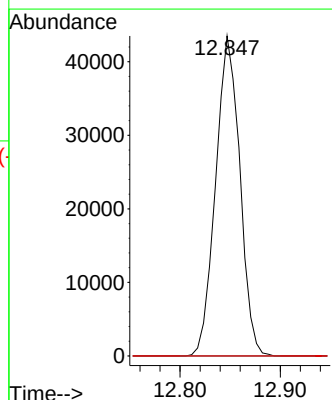
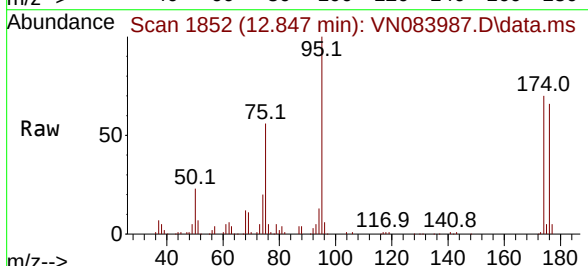
Tgt Ion: 75 Resp: 72908

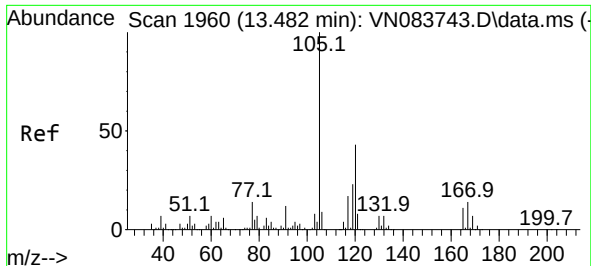
Ion Ratio Lower Upper

75 100

53 0.0 81.2 121.8#

89 0.0 35.7 53.5#

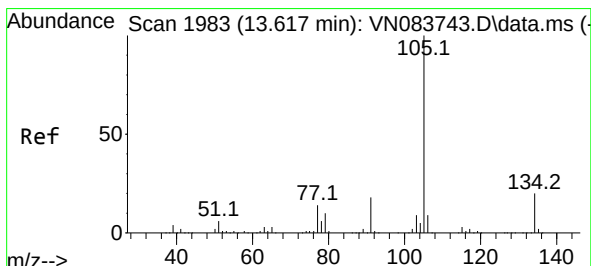
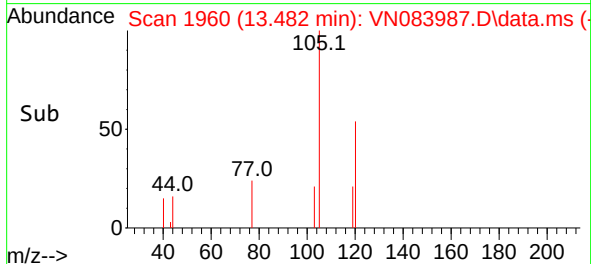
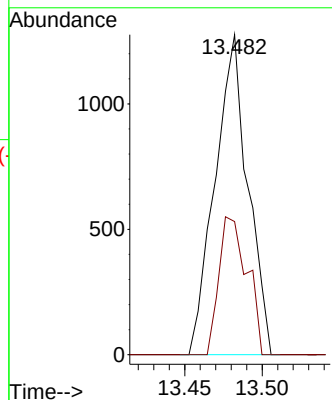
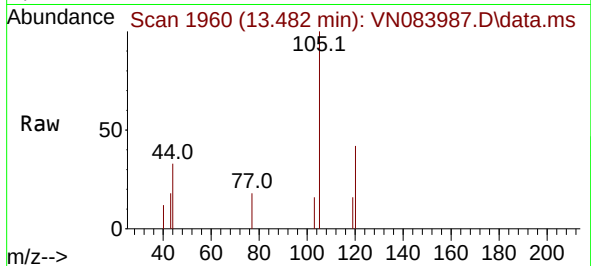




#84
1,2,4-Trimethylbenzene
Concen: 0.263 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN083987.D
Acq: 18 Sep 2024 17:03

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:105 Resp: 1877
Ion Ratio Lower Upper
105 100
120 37.0 21.8 65.4



#85
sec-Butylbenzene
Concen: 0.227 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.135 min
Lab File: VN083987.D
Acq: 18 Sep 2024 17:03

Tgt Ion:105 Resp: 1877
Ion Ratio Lower Upper
105 100
134 0.0 9.7 29.1#

