

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091424\
 Data File : VN083899.D
 Acq On : 14 Sep 2024 18:44
 Operator : JC\MD
 Sample : P3947-04RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 16 01:40:06 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)

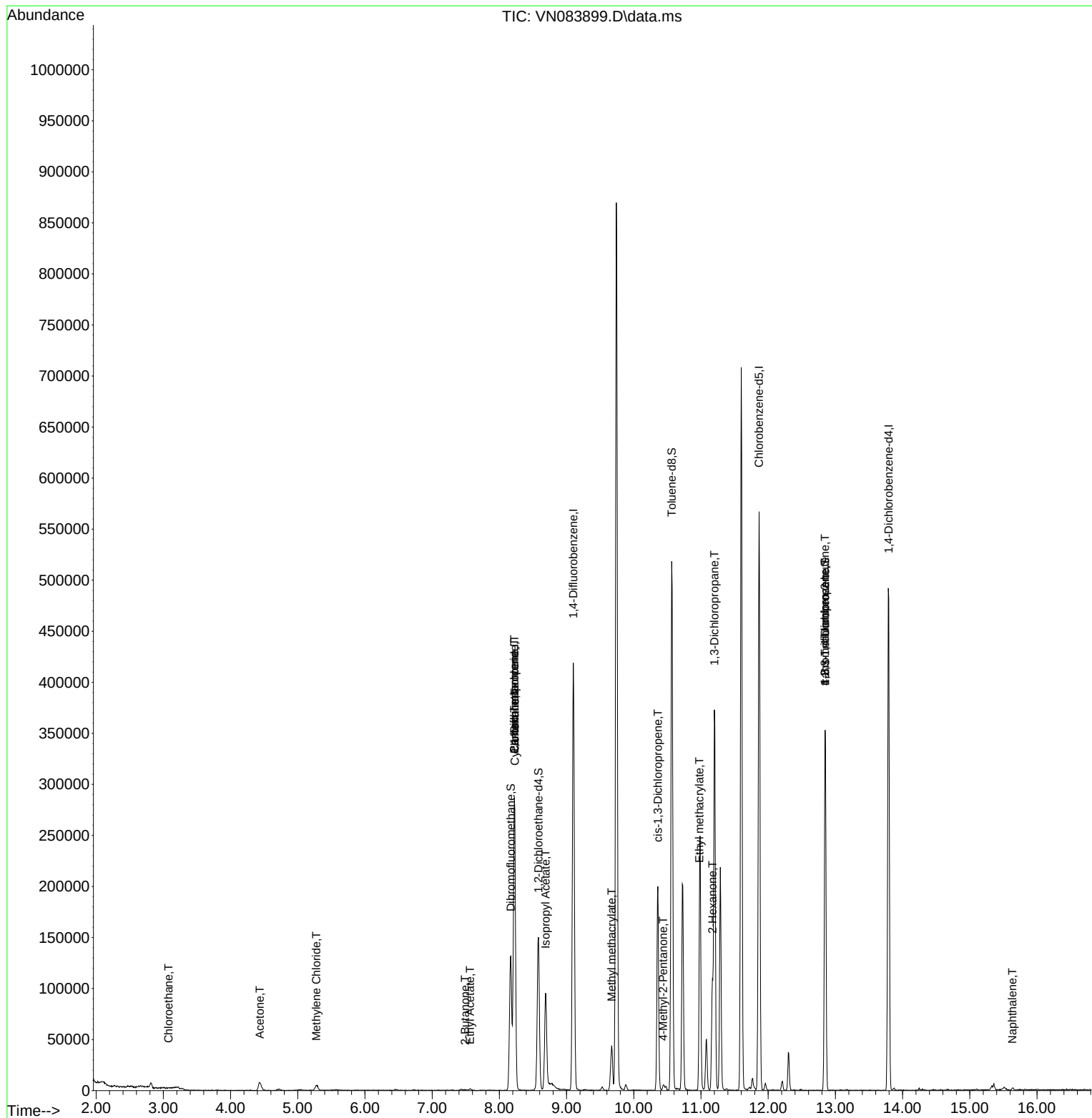
Internal Standards						
1) Pentafluorobenzene	8.224	168	195393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	341270	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	295156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	124732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	130375	44.251	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.500%
35) Dibromofluoromethane	8.171	113	91624	41.938	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	83.880%
50) Toluene-d8	10.565	98	347808	46.050	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.100%
62) 4-Bromofluorobenzene	12.847	95	119609	38.384	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	76.760%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	147	Below Cal	#	41
6) Chloroethane	3.077	64	464	0.266	ug/l #	45
16) Acetone	4.436	43	16167	13.688	ug/l	96
18) Methyl Acetate	5.030	43	1317	Below Cal	#	63
20) Methylene Chloride	5.277	84	2718	1.125	ug/l	89
25) 2-Butanone	7.489	43	1423	0.917	ug/l #	70
31) Cyclohexane	8.230	56	5211	1.224	ug/l #	25
36) 1,1-Dichloropropene	8.224	75	18613	5.660	ug/l #	51
37) Ethyl Acetate	7.565	43	2735	0.916	ug/l #	80
38) Carbon Tetrachloride	8.224	117	22723	6.091	ug/l #	16
43) Isopropyl Acetate	8.688	43	116438	21.527	ug/l #	88
48) Methyl methacrylate	9.671	41	2952	1.150	ug/l #	45
51) 4-Methyl-2-Pentanone	10.435	43	3772	1.281	ug/l	99
54) cis-1,3-Dichloropropene	10.359	75	34295	8.882	ug/l #	66
56) Ethyl methacrylate	10.977	69	841	0.242	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3740	0.963	ug/l #	42
59) 2-Hexanone	11.171	43	85744	39.367	ug/l #	24
76) 1,2,3-Trichloropropane	12.847	75	67831	26.951	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67831	70.586	ug/l #	9
95) Naphthalene	15.635	128	2403	0.348	ug/l #	94

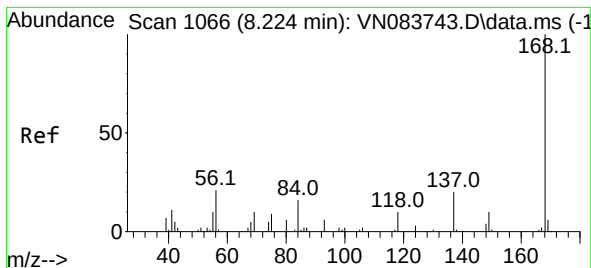
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 16 01:40:06 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# 1

Delta R.T. -0.000 min

Lab File: VN083899.D

Acq: 14 Sep 2024 18:44

Instrument :

MSVOA_N

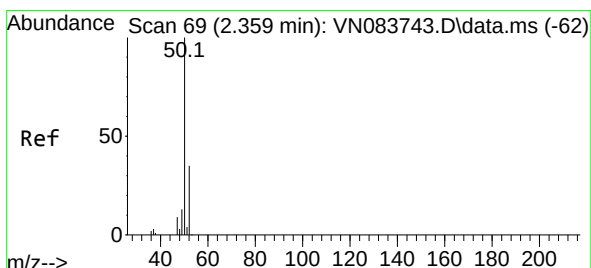
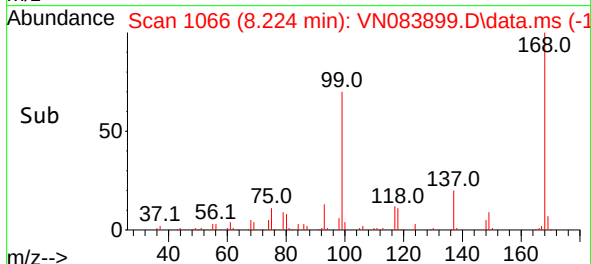
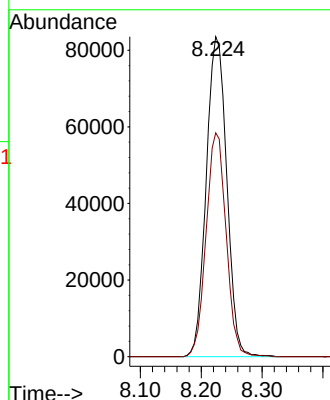
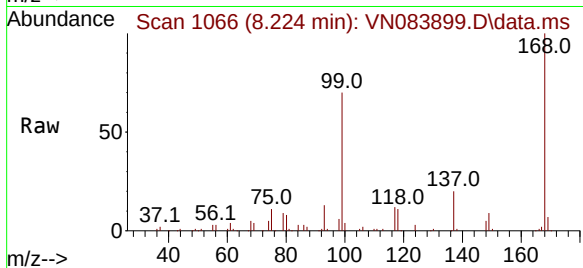
ClientSampleId :

Tgt Ion:168 Resp: 195393

Ion Ratio Lower Upper

168 100

99 69.9 54.2 81.2



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN083899.D

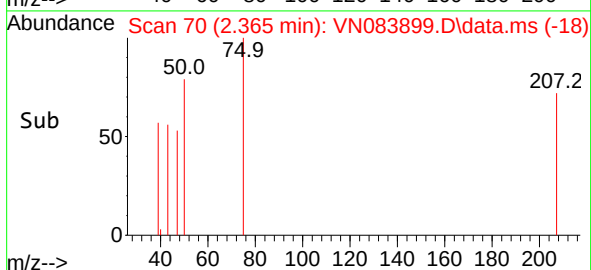
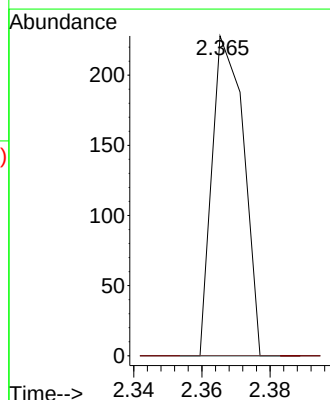
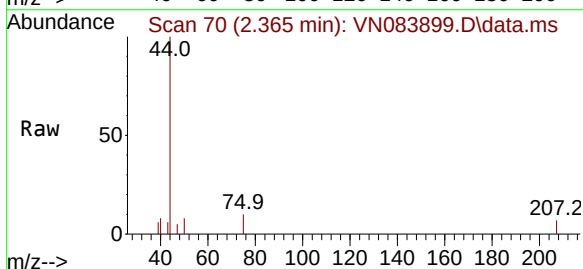
Acq: 14 Sep 2024 18:44

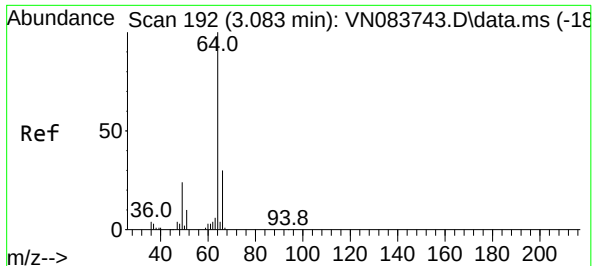
Tgt Ion: 50 Resp: 147

Ion Ratio Lower Upper

50 100

52 0.0 27.2 40.8#

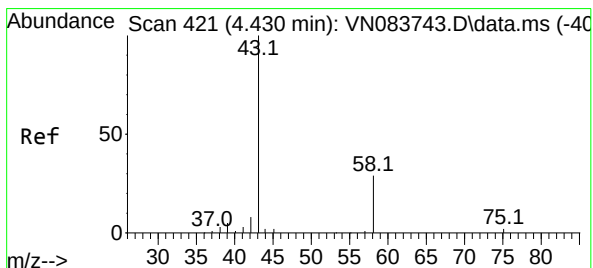
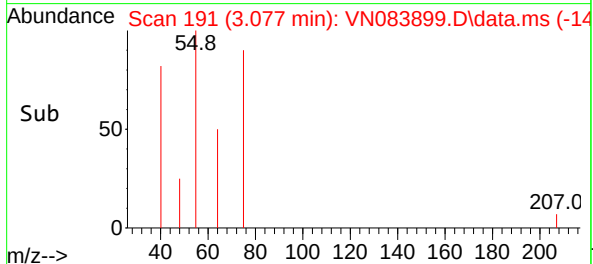
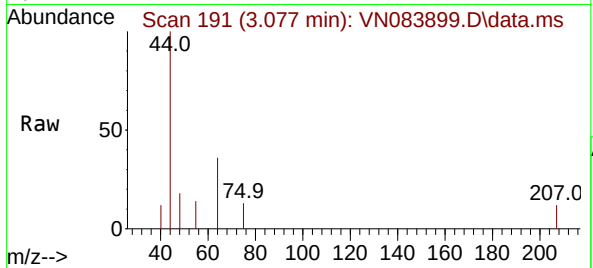




#6
Chloroethane
Concen: 0.266 ug/l
RT: 3.077 min Scan# 191
Delta R.T. -0.006 min
Lab File: VN083899.D
Acq: 14 Sep 2024 18:44

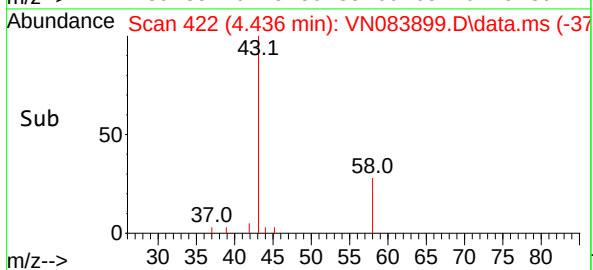
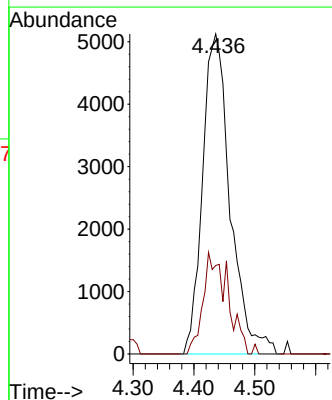
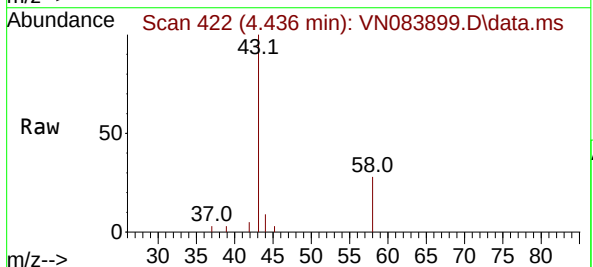
Instrument :
MSVOA_N
ClientSampleId :

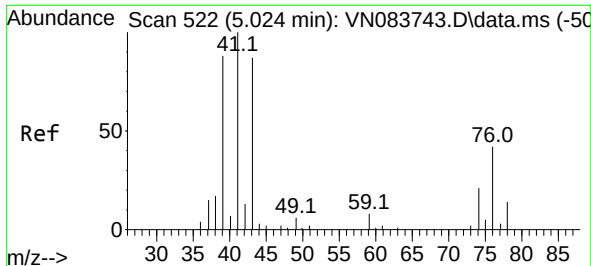
Tgt Ion: 64 Resp: 464
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#16
Acetone
Concen: 13.688 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083899.D
Acq: 14 Sep 2024 18:44

Tgt Ion: 43 Resp: 16167
Ion Ratio Lower Upper
43 100
58 27.6 23.7 35.5





#18

Methyl Acetate

Concen: Below Cal

RT: 5.030 min Scan# 51

Delta R.T. 0.006 min

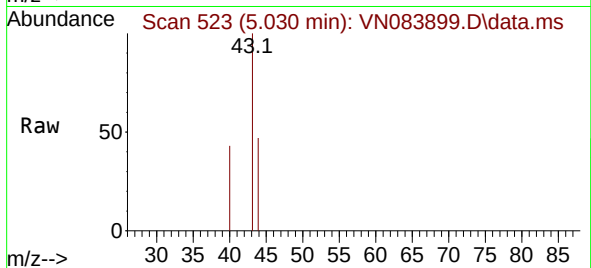
Lab File: VN083899.D

Acq: 14 Sep 2024 18:44

Instrument :

MSVOA_N

ClientSampleId :

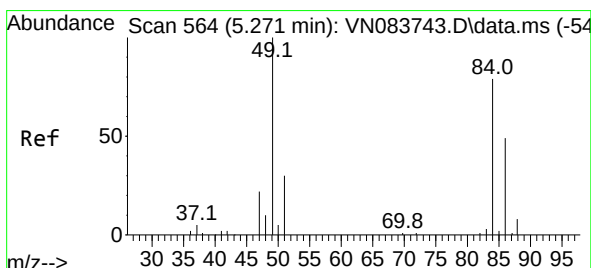
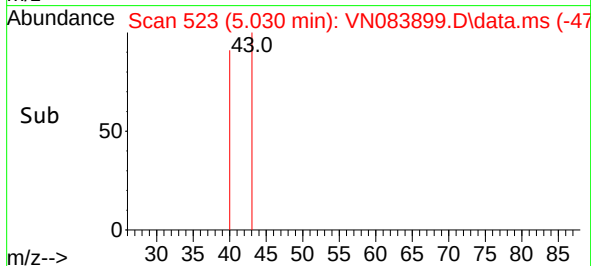
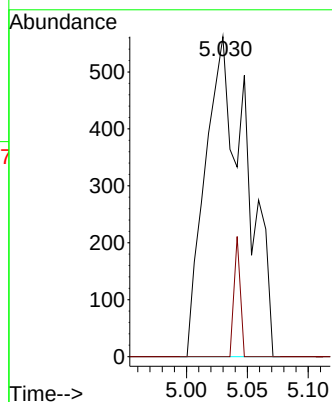


Tgt Ion: 43 Resp: 1317

Ion Ratio Lower Upper

43 100

74 5.6 19.0 28.4#



#20

Methylene Chloride

Concen: 1.125 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN083899.D

Acq: 14 Sep 2024 18:44

Tgt Ion: 84 Resp: 2718

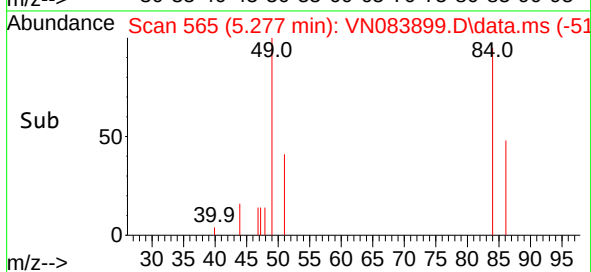
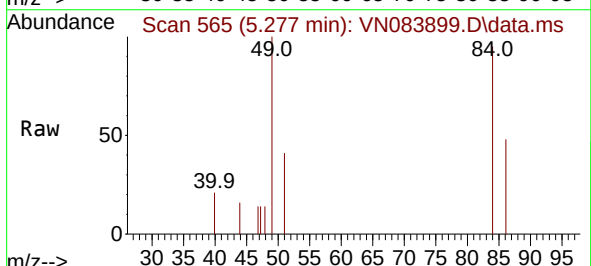
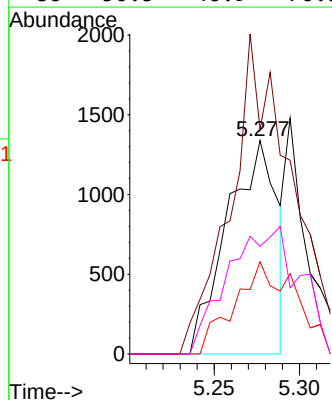
Ion Ratio Lower Upper

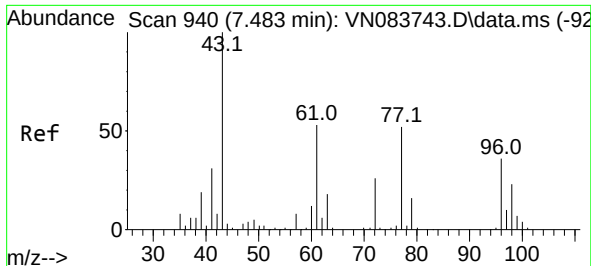
84 100

49 105.1 93.4 140.0

51 43.2 29.2 43.8

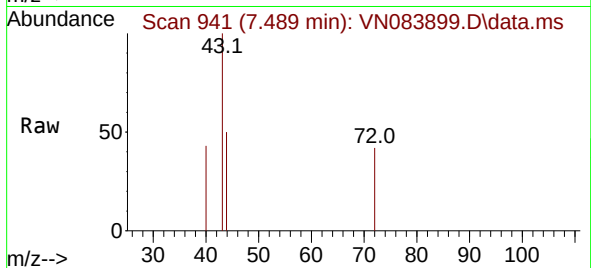
86 50.5 46.9 70.3



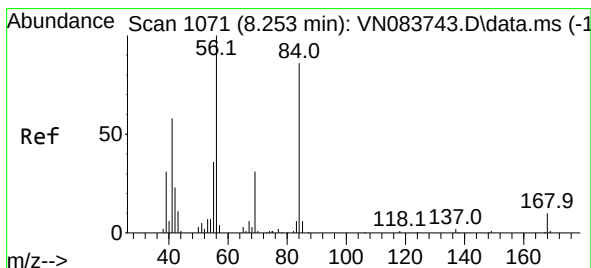
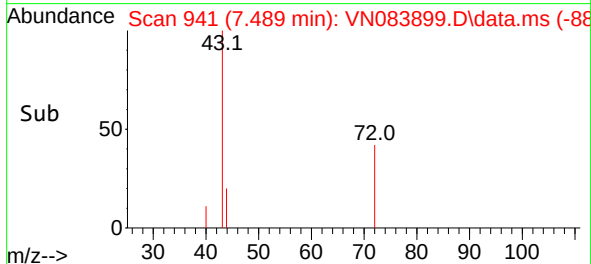
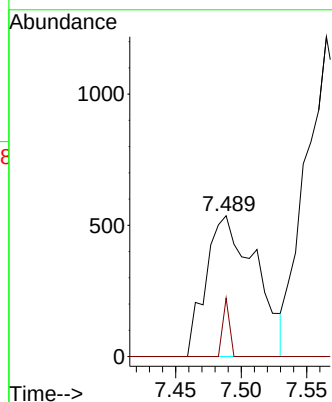


#25
2-Butanone
Concen: 0.917 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083899.D
Acq: 14 Sep 2024 18:44

Instrument :
MSVOA_N
ClientSampleId :

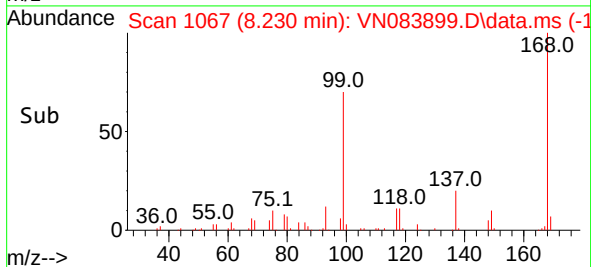
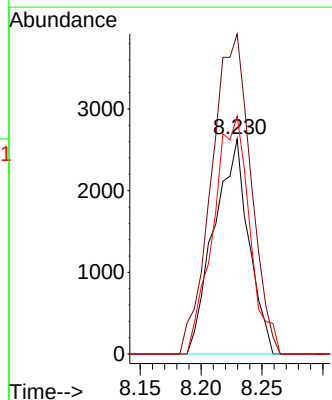
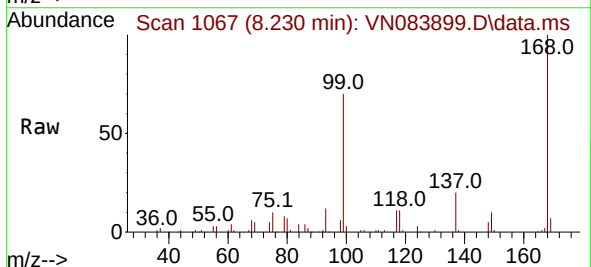


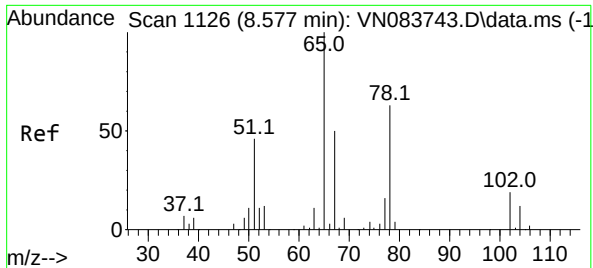
Tgt Ion: 43 Resp: 1423
Ion Ratio Lower Upper
43 100
72 41.5 20.8 31.2#



#31
Cyclohexane
Concen: 1.224 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN083899.D
Acq: 14 Sep 2024 18:44

Tgt Ion: 56 Resp: 5211
Ion Ratio Lower Upper
56 100
69 148.9 26.9 40.3#
84 110.6 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 44.251 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN083899.D

Acq: 14 Sep 2024 18:44

Instrument :

MSVOA_N

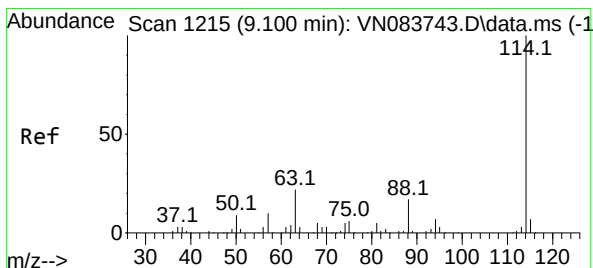
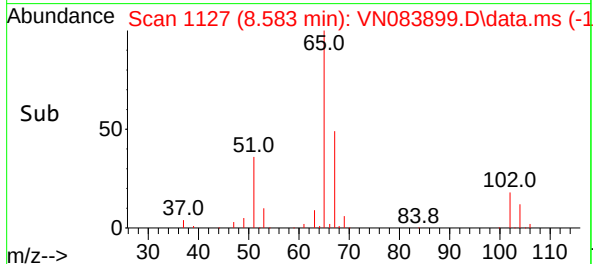
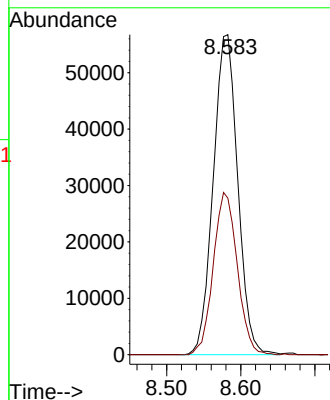
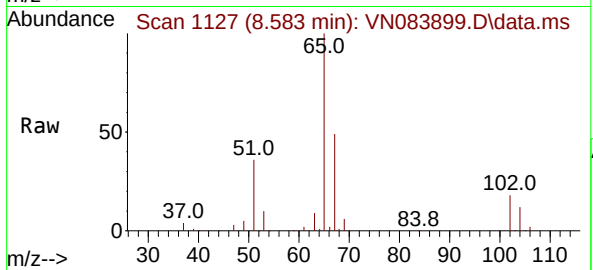
ClientSampleId :

Tgt Ion: 65 Resp: 130375

Ion Ratio Lower Upper

65 100

67 49.7 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: VN083899.D

Acq: 14 Sep 2024 18:44

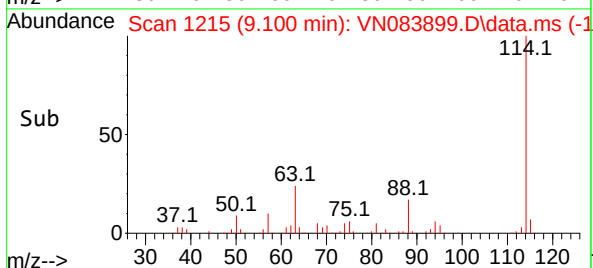
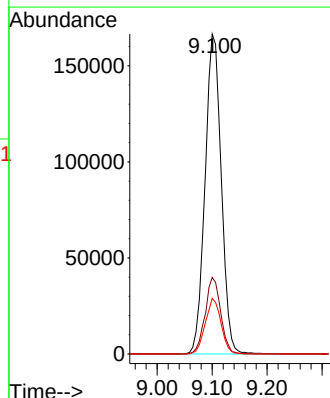
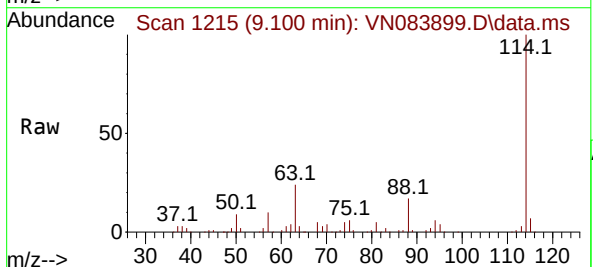
Tgt Ion: 114 Resp: 341270

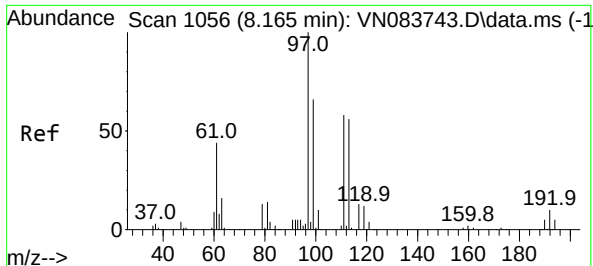
Ion Ratio Lower Upper

114 100

63 23.9 0.0 43.4

88 17.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 41.938 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN083899.D

Acq: 14 Sep 2024 18:44

Instrument :

MSVOA_N

ClientSampleId :

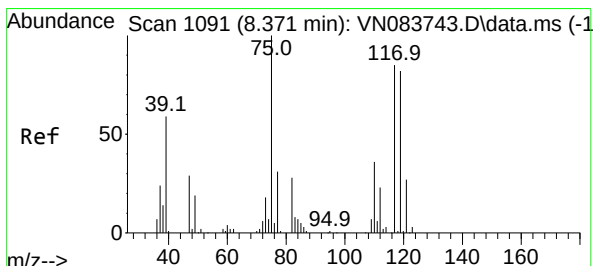
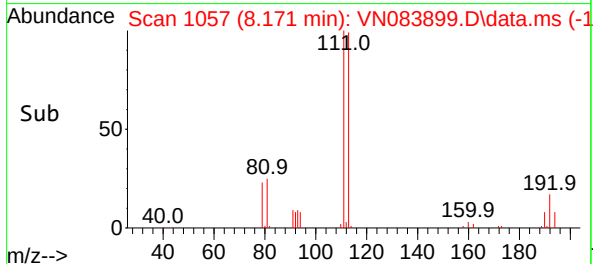
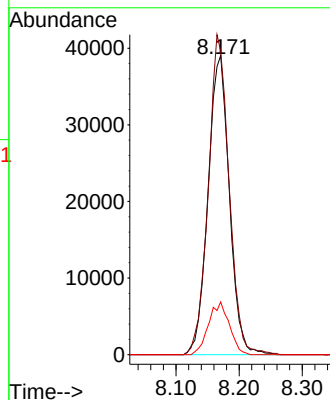
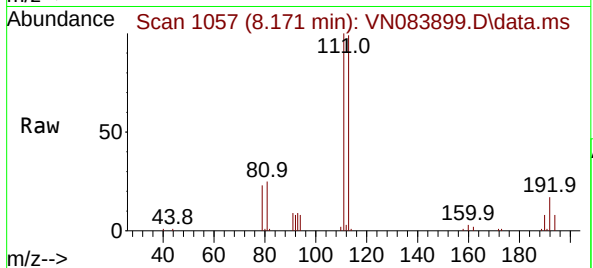
Tgt Ion:113 Resp: 91624

Ion Ratio Lower Upper

113 100

111 104.3 82.6 124.0

192 17.2 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.660 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083899.D

Acq: 14 Sep 2024 18:44

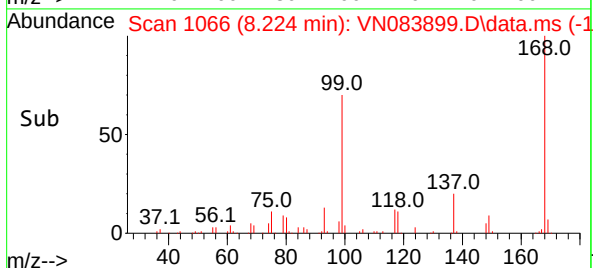
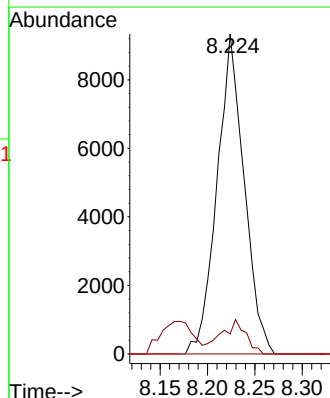
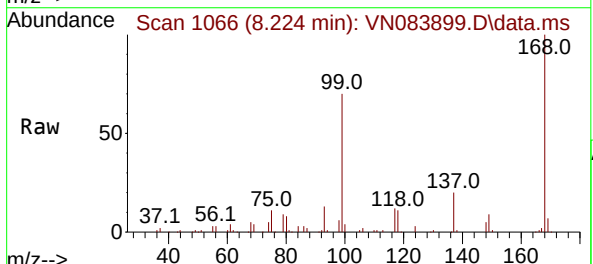
Tgt Ion: 75 Resp: 18613

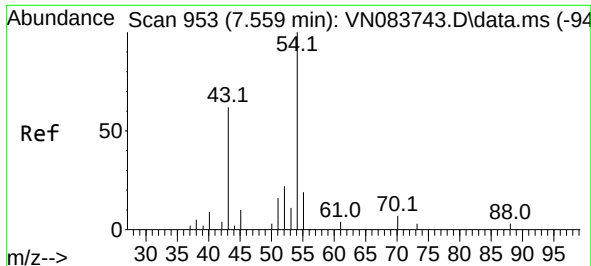
Ion Ratio Lower Upper

75 100

110 9.9 16.7 50.1#

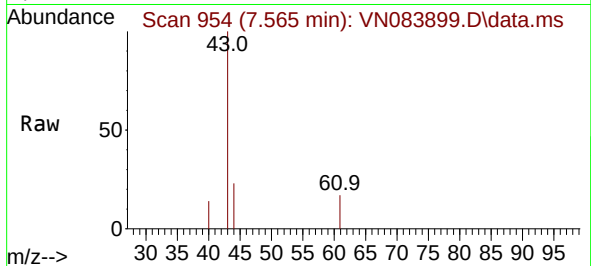
77 0.0 25.2 37.8#



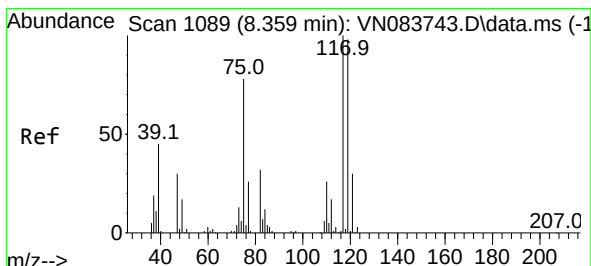
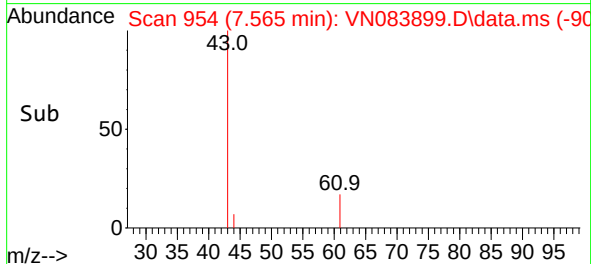
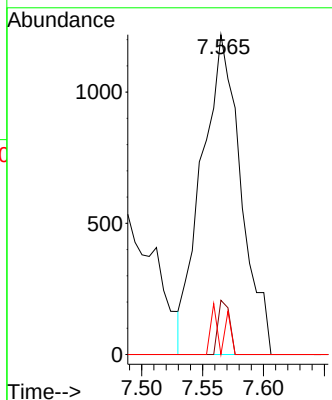


#37
Ethyl Acetate
Concen: 0.916 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN083899.D
Acq: 14 Sep 2024 18:44

Instrument :
MSVOA_N
ClientSampleId :

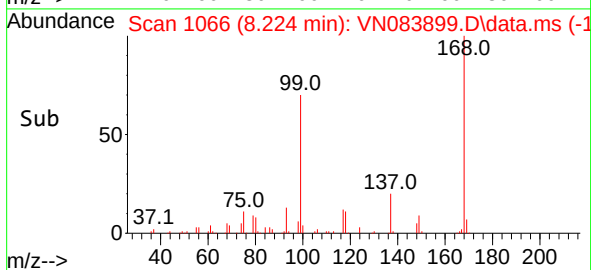
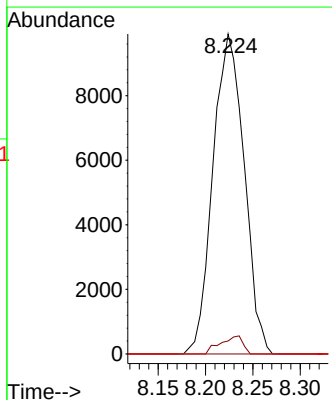
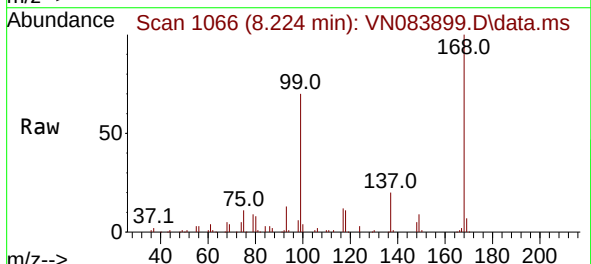


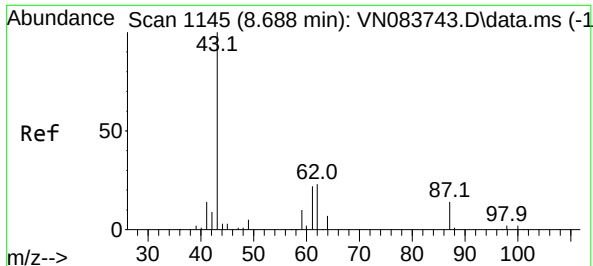
Tgt Ion: 43 Resp: 2735
Ion Ratio Lower Upper
43 100
61 5.0 11.1 16.7#
70 4.6 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 6.091 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083899.D
Acq: 14 Sep 2024 18:44

Tgt Ion: 117 Resp: 22723
Ion Ratio Lower Upper
117 100
119 4.1 76.1 114.1#
121 0.0 24.1 36.1#

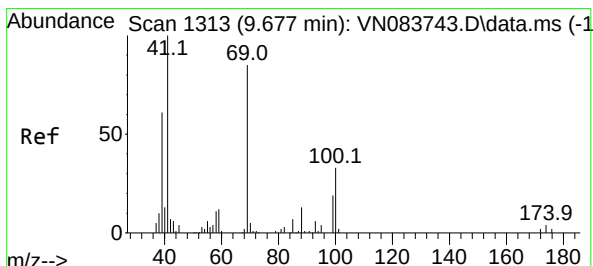
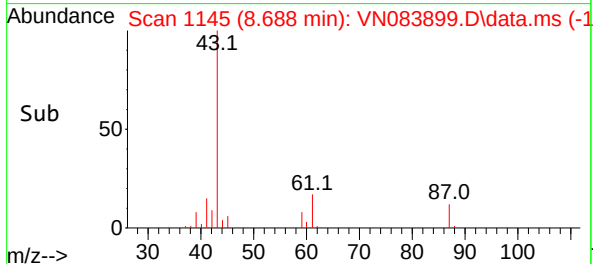
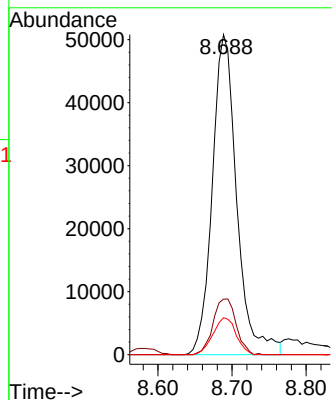
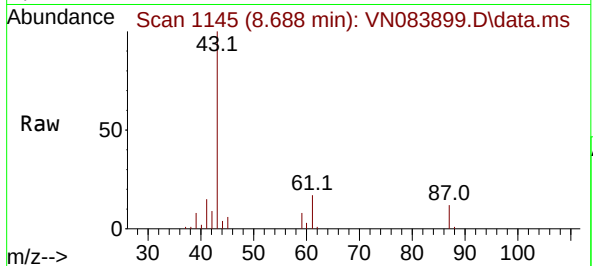




#43
Isopropyl Acetate
Concen: 21.527 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083899.D
Acq: 14 Sep 2024 18:44

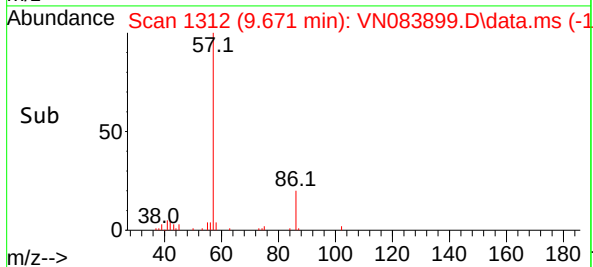
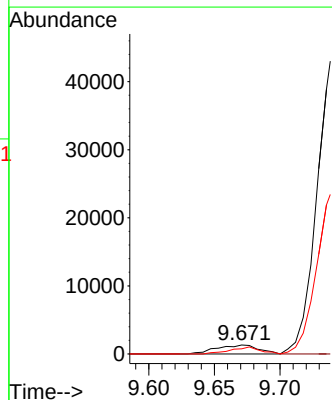
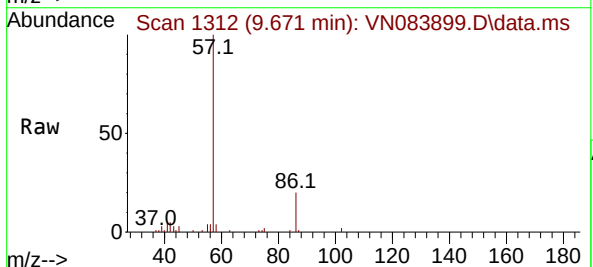
Instrument :
MSVOA_N
ClientSampleId :

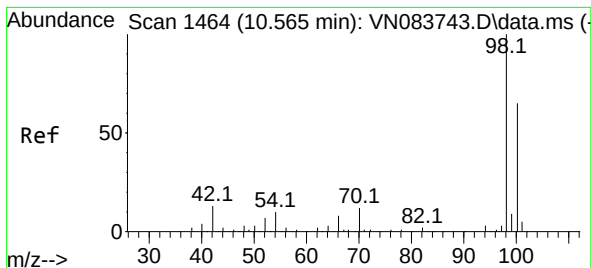
Tgt Ion: 43 Resp: 116438
Ion Ratio Lower Upper
43 100
61 16.4 19.4 29.0#
87 10.9 9.8 14.6



#48
Methyl methacrylate
Concen: 1.150 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.006 min
Lab File: VN083899.D
Acq: 14 Sep 2024 18:44

Tgt Ion: 41 Resp: 2952
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 54.3 48.9 73.3





#50

Toluene-d8

Concen: 46.050 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN083899.D

Acq: 14 Sep 2024 18:44

Instrument :

MSVOA_N

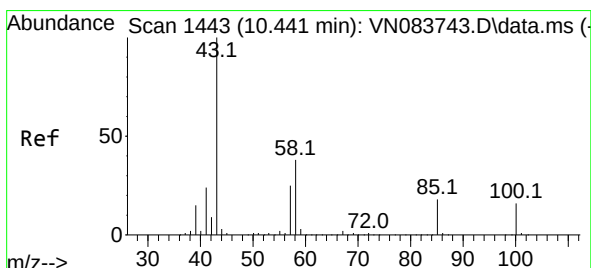
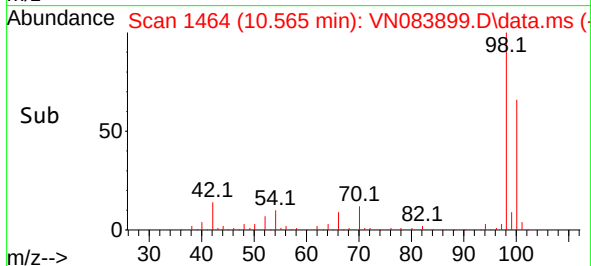
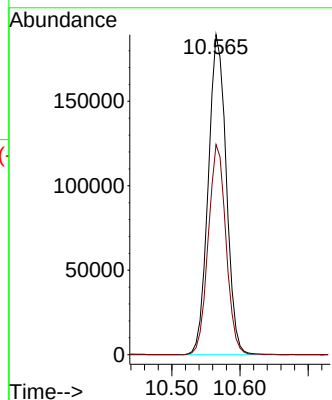
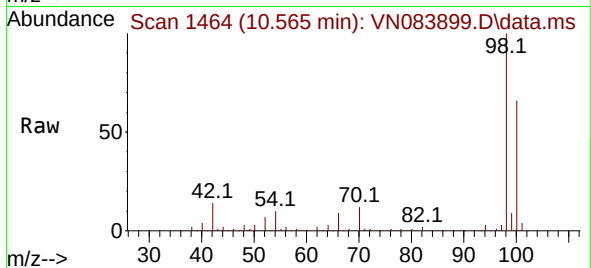
ClientSampleId :

Tgt Ion: 98 Resp: 347808

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.281 ug/l

RT: 10.435 min Scan# 1442

Delta R.T. -0.006 min

Lab File: VN083899.D

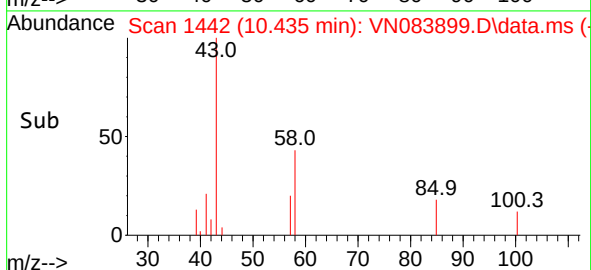
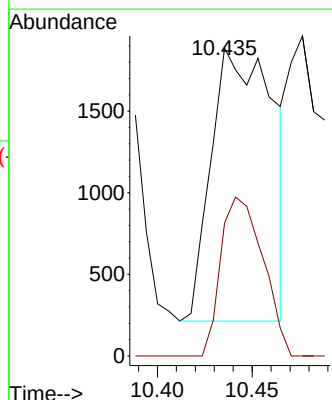
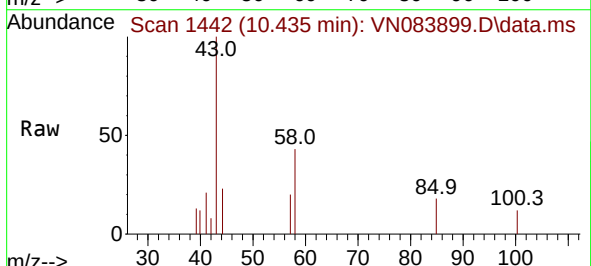
Acq: 14 Sep 2024 18:44

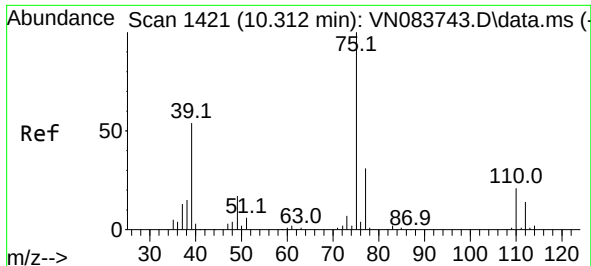
Tgt Ion: 43 Resp: 3772

Ion Ratio Lower Upper

43 100

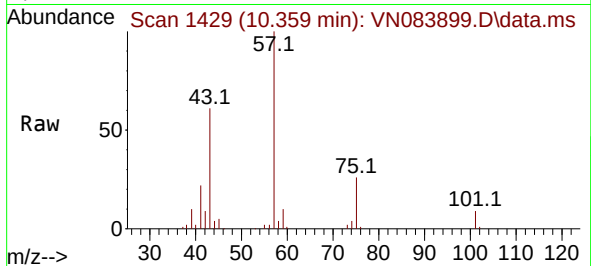
58 40.0 31.6 47.4



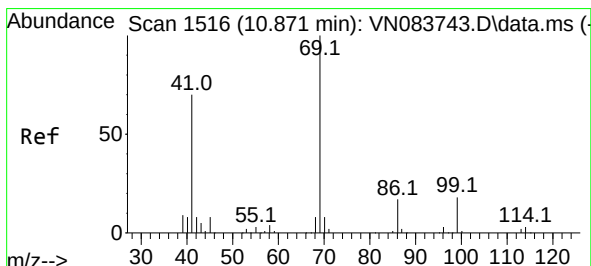
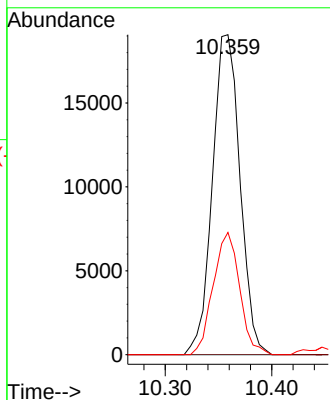
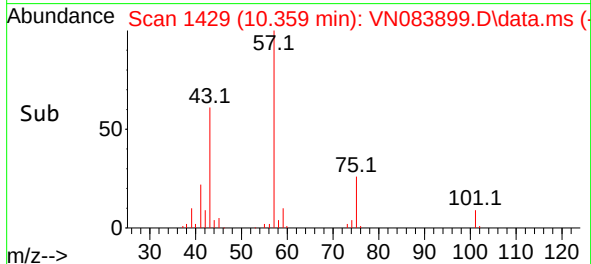


#54
cis-1,3-Dichloropropene
Concen: 8.882 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083899.D
Acq: 14 Sep 2024 18:44

Instrument :
MSVOA_N
ClientSampleId :

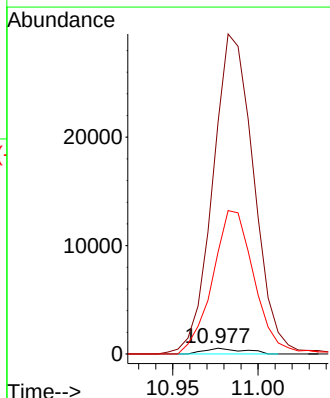
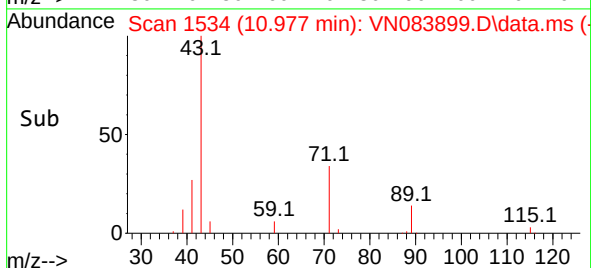
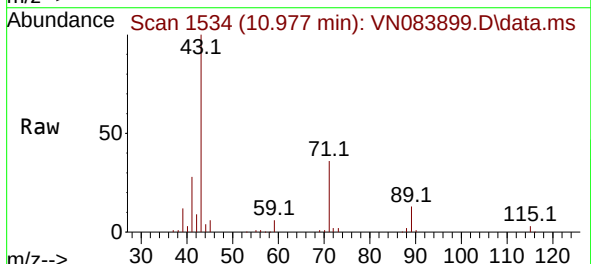


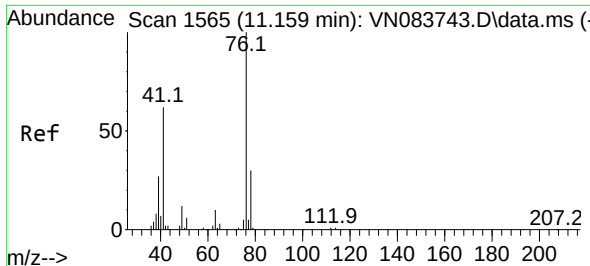
Tgt Ion: 75 Resp: 34295
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 38.2 42.6 64.0#



#56
Ethyl methacrylate
Concen: 0.242 ug/l
RT: 10.977 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN083899.D
Acq: 14 Sep 2024 18:44

Tgt Ion: 69 Resp: 841
Ion Ratio Lower Upper
69 100
41 5896.4 53.9 80.9#
39 2686.2 32.6 48.8#





#57

1,3-Dichloropropane

Concen: 0.963 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN083899.D

Acq: 14 Sep 2024 18:44

Instrument :

MSVOA_N

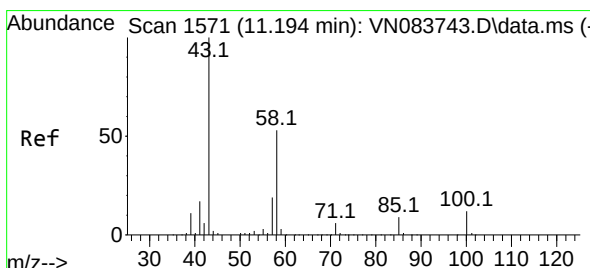
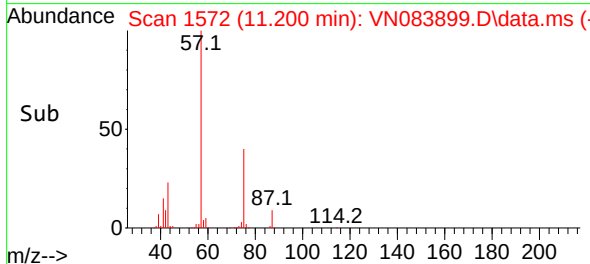
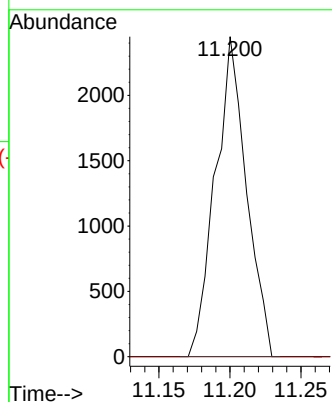
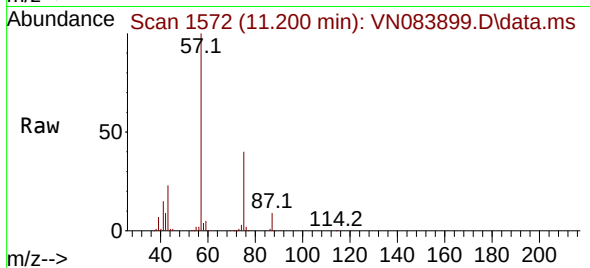
ClientSampleId :

Tgt Ion: 76 Resp: 3740

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 39.367 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN083899.D

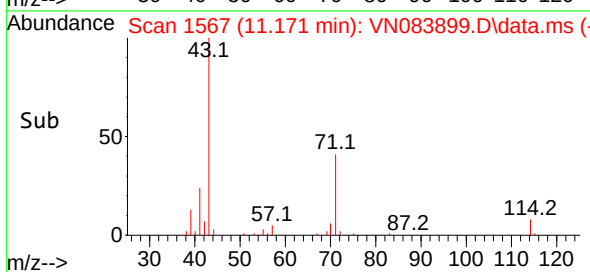
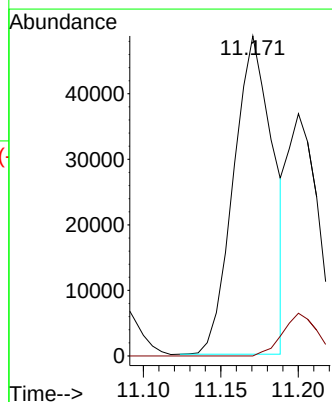
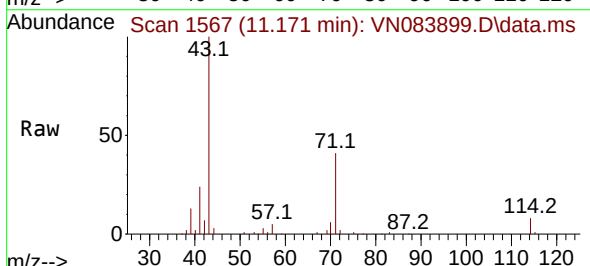
Acq: 14 Sep 2024 18:44

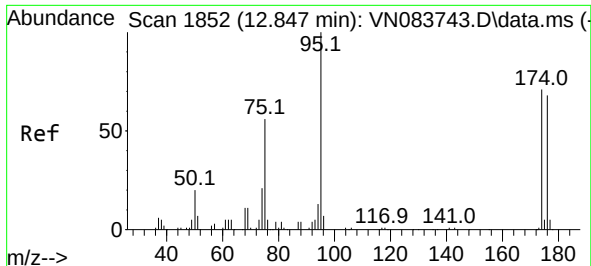
Tgt Ion: 43 Resp: 85744

Ion Ratio Lower Upper

43 100

58 0.0 27.2 81.5#

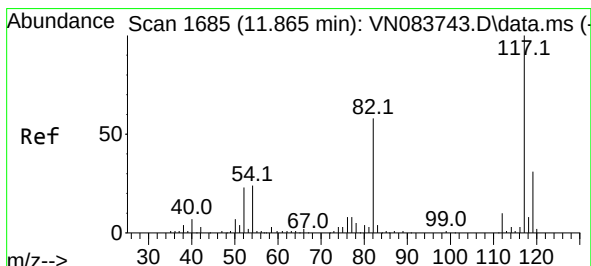
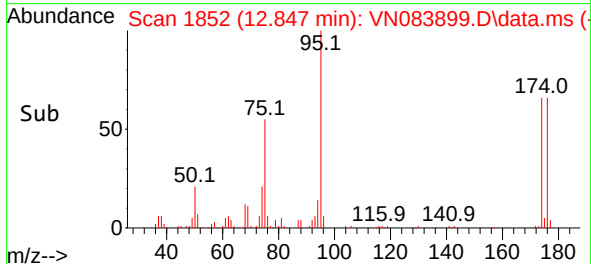
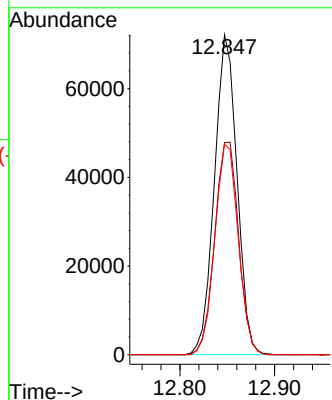
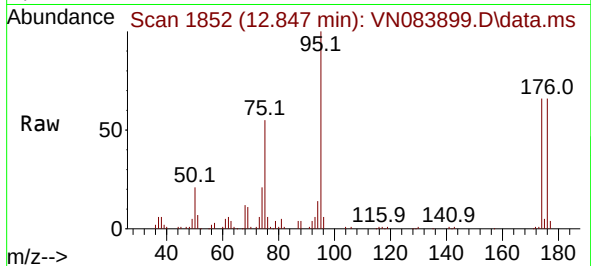




#62
4-Bromofluorobenzene
Concen: 38.384 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083899.D
Acq: 14 Sep 2024 18:44

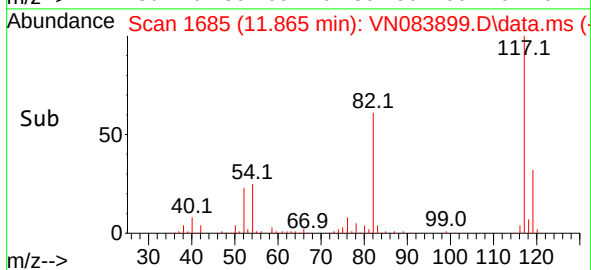
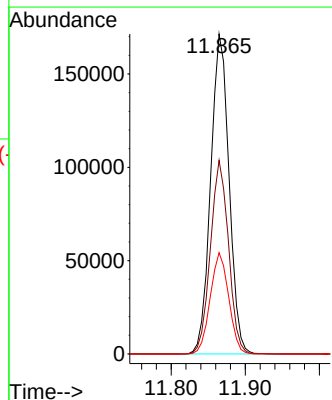
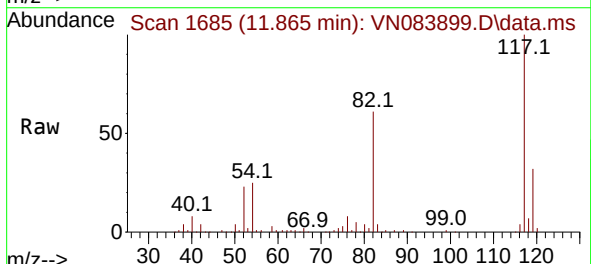
Instrument :
MSVOA_N
ClientSampleId :

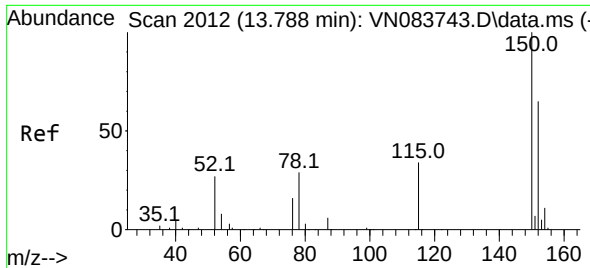
Tgt Ion: 95 Resp: 119609
Ion Ratio Lower Upper
95 100
174 70.5 0.0 139.8
176 68.2 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083899.D
Acq: 14 Sep 2024 18:44

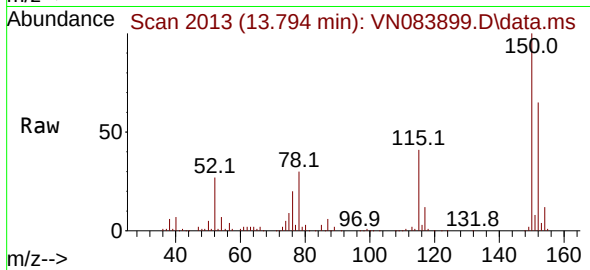
Tgt Ion: 117 Resp: 295156
Ion Ratio Lower Upper
117 100
82 60.5 47.4 71.0
119 31.7 26.3 39.5



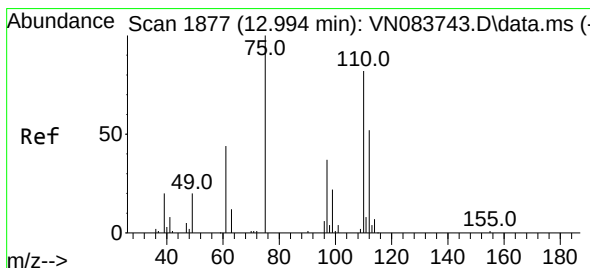
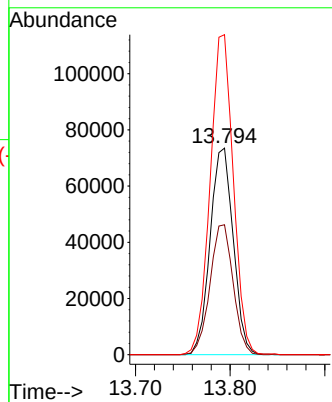
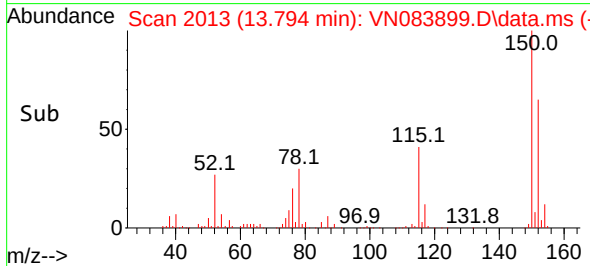


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN083899.D
Acq: 14 Sep 2024 18:44

Instrument :
MSVOA_N
ClientSampleId :

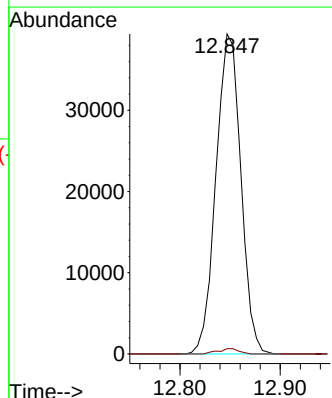
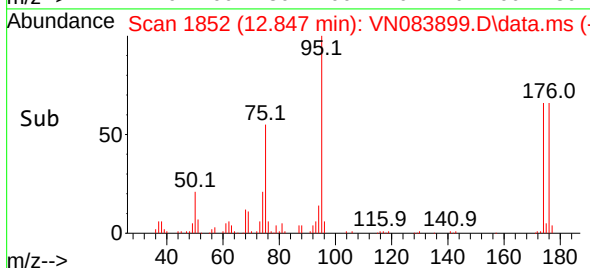
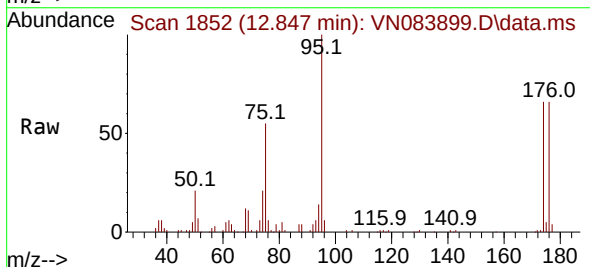


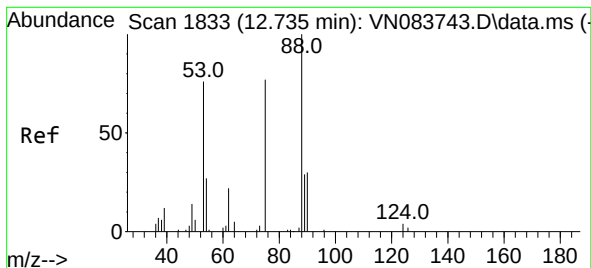
Tgt Ion:152 Resp: 124732
Ion Ratio Lower Upper
152 100
115 62.9 32.2 96.6
150 155.0 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 26.951 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083899.D
Acq: 14 Sep 2024 18:44

Tgt Ion: 75 Resp: 67831
Ion Ratio Lower Upper
75 100
77 1.4 95.2 285.6#

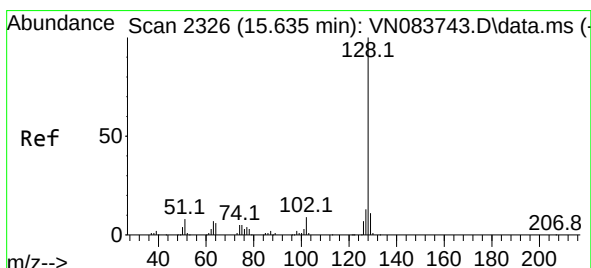
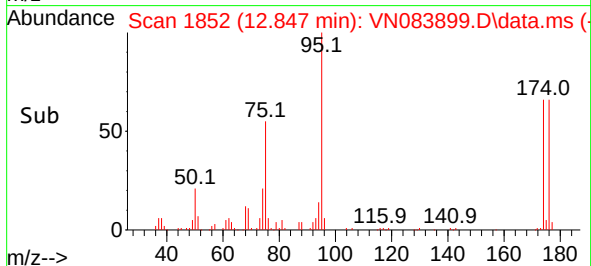
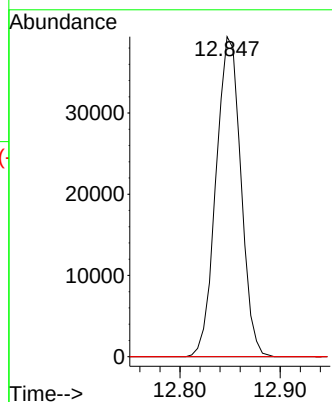
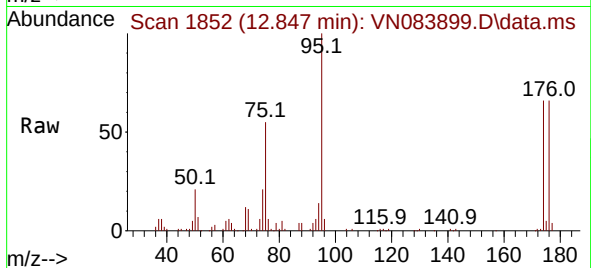




#81
trans-1,4-Dichloro-2-butene
Concen: 70.586 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083899.D
Acq: 14 Sep 2024 18:44

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 67831
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#95
Naphthalene
Concen: 0.348 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN083899.D
Acq: 14 Sep 2024 18:44

Tgt Ion:128 Resp: 2403
Ion Ratio Lower Upper
128 100
127 15.4 10.2 15.2#
129 12.7 8.7 13.1

