

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092424\
 Data File : VN084143.D
 Acq On : 24 Sep 2024 18:43
 Operator : JC\MD
 Sample : P4116-19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D1-20240918

Quant Time: Sep 25 01:39:14 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)

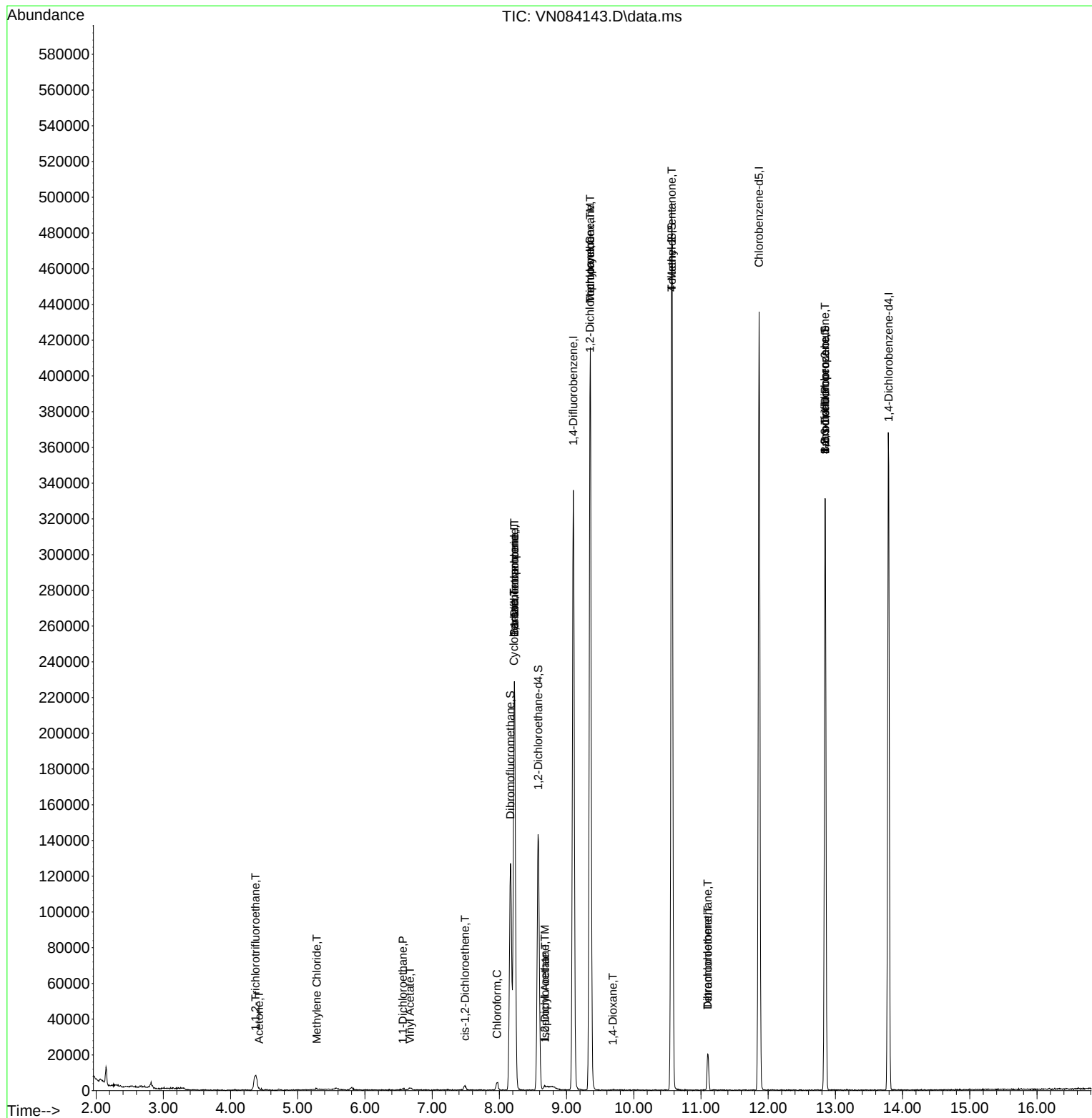
Internal Standards						
1) Pentafluorobenzene	8.224	168	156382	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	275050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	233960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	94428	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122798	52.077	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 104.160%		
35) Dibromofluoromethane	8.165	113	91856	52.166	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.340%		
50) Toluene-d8	10.565	98	334361	54.928	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 109.860%		
62) 4-Bromofluorobenzene	12.847	95	112893	44.951	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 89.900%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	531	Below Cal	#	78
9) 1,1,2-Trichlorotrifluo...	4.371	101	6831	3.814	ug/l	95
16) Acetone	4.424	43	265	0.280	ug/l #	45
20) Methylene Chloride	5.283	84	396	0.205	ug/l #	41
23) Vinyl Acetate	6.671	43	1077	0.237	ug/l #	71
24) 1,1-Dichloroethane	6.565	63	1317	0.368	ug/l #	82
27) cis-1,2-Dichloroethene	7.488	96	1674	0.778	ug/l	84
30) Chloroform	7.965	83	4905	1.293	ug/l #	74
31) Cyclohexane	8.218	56	3817	1.120	ug/l #	8
36) 1,1-Dichloropropene	8.224	75	14459	5.456	ug/l #	50
38) Carbon Tetrachloride	8.224	117	17969	5.976	ug/l #	17
39) Methylcyclohexane	9.353	83	1826	0.605	ug/l #	1
42) 1,2-Dichloroethane	8.677	62	649	0.218	ug/l #	77
43) Isopropyl Acetate	8.682	43	1534	0.352	ug/l #	57
44) Trichloroethene	9.353	130	140656	76.142	ug/l	95
45) 1,2-Dichloropropane	9.347	63	439	0.228	ug/l #	1
49) 1,4-Dioxane	9.688	88	131	3.850	ug/l #	7
51) 4-Methyl-2-Pentanone	10.565	43	1503	0.633	ug/l #	1
60) Dibromochloromethane	11.100	129	4520	2.217	ug/l #	10
64) Tetrachloroethene	11.100	164	4766	3.063	ug/l	90
71) Bromoform	12.847	173	480	0.395	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	61290	32.167	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61290	84.248	ug/l #	9

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092424\
Data File : VN084143.D
Acq On : 24 Sep 2024 18:43
Operator : JC\MD
Sample : P4116-19
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RE132D1-20240918

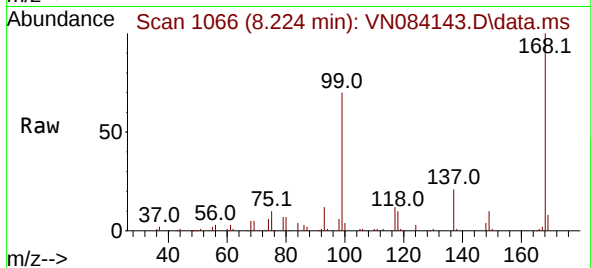
Quant Time: Sep 25 01:39:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



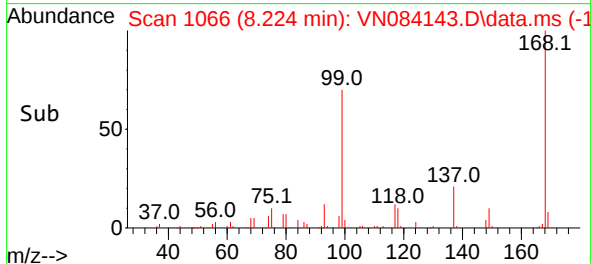
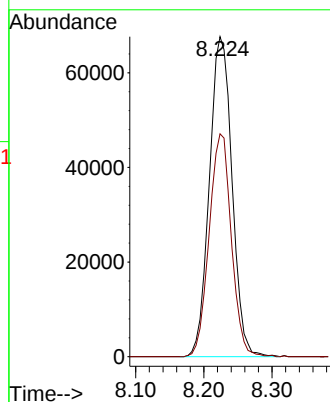


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084143.D
Acq: 24 Sep 2024 18:43

Instrument :
MSVOA_N
ClientSampleId :
RE132D1-20240918

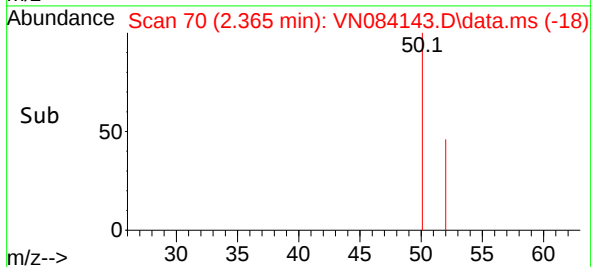
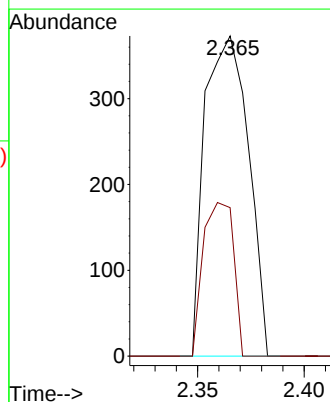
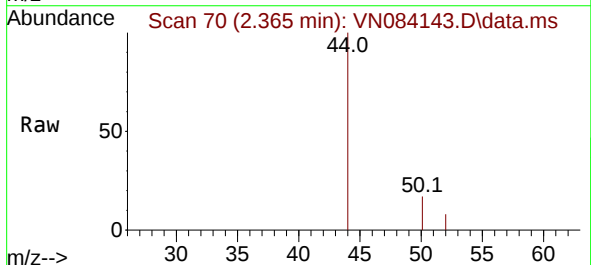


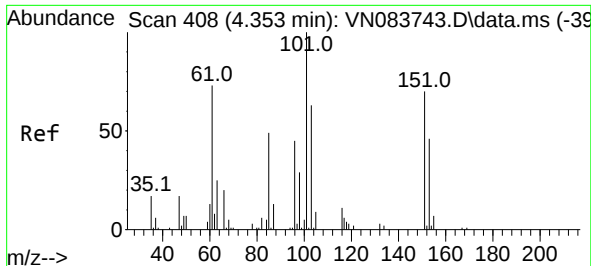
Tgt Ion:168 Resp: 156382
Ion Ratio Lower Upper
168 100
99 69.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084143.D
Acq: 24 Sep 2024 18:43

Tgt Ion: 50 Resp: 531
Ion Ratio Lower Upper
50 100
52 46.4 27.2 40.8#

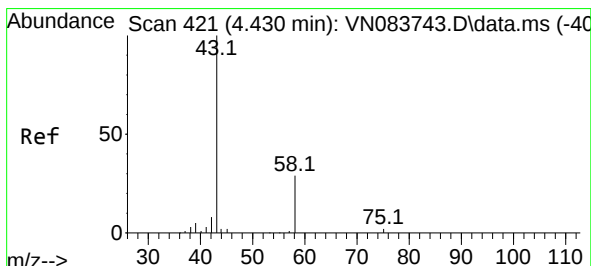
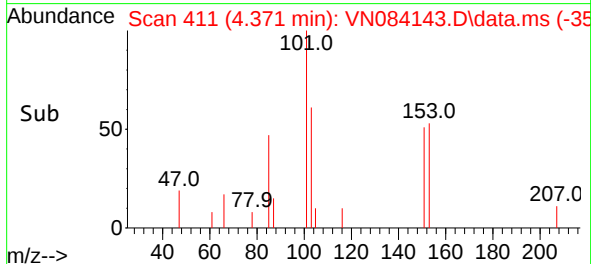
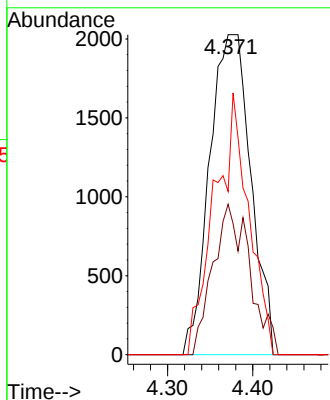
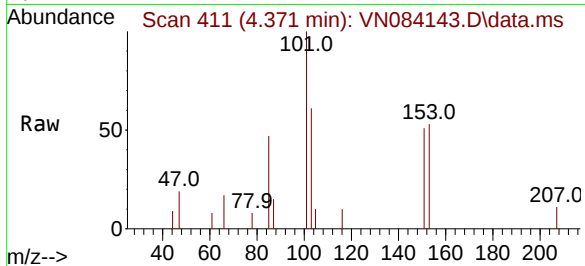




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.814 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.018 min
Lab File: VN084143.D
Acq: 24 Sep 2024 18:43

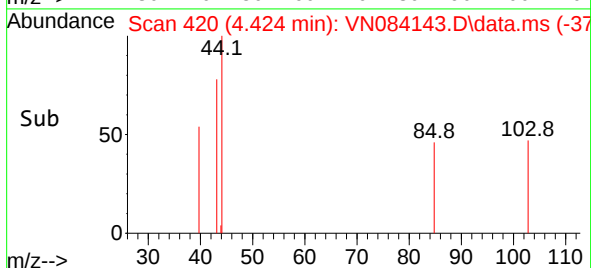
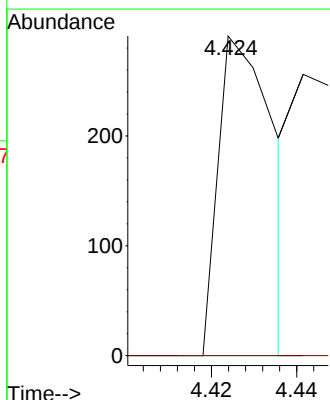
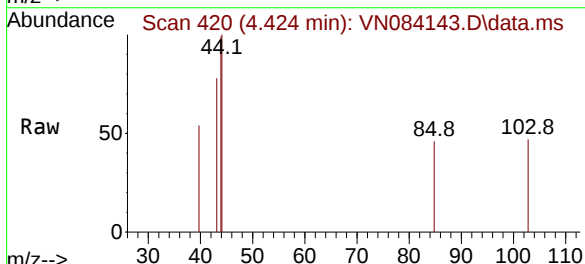
Instrument :
MSVOA_N
ClientSampleId :
RE132D1-20240918

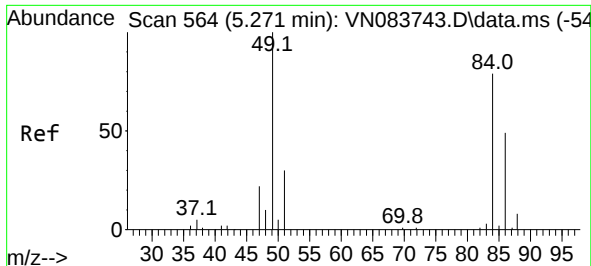
Tgt Ion:101 Resp: 6831
Ion Ratio Lower Upper
101 100
85 42.1 36.2 54.4
151 67.5 57.7 86.5



#16
Acetone
Concen: 0.280 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN084143.D
Acq: 24 Sep 2024 18:43

Tgt Ion: 43 Resp: 265
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#

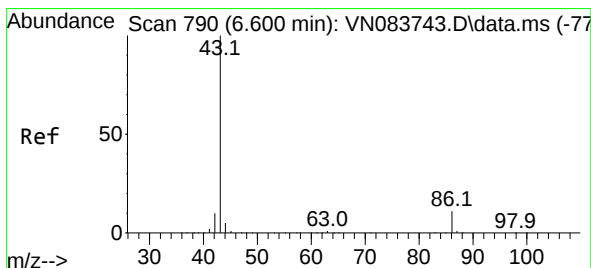
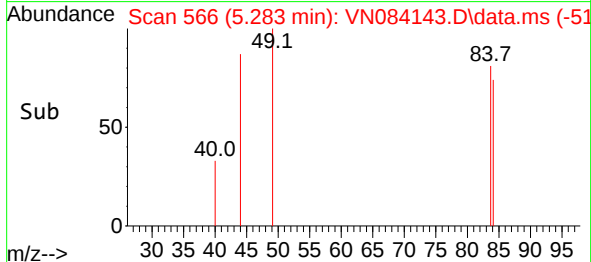
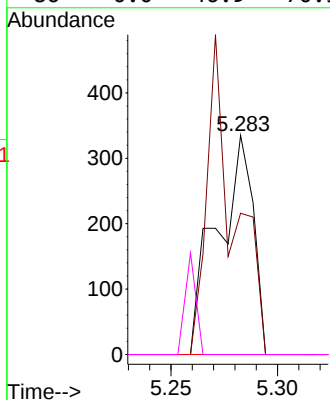
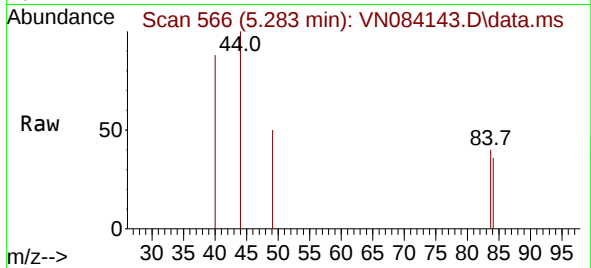




#20
Methylene Chloride
Concen: 0.205 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084143.D
Acq: 24 Sep 2024 18:43

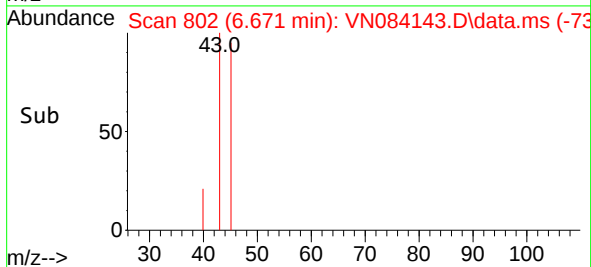
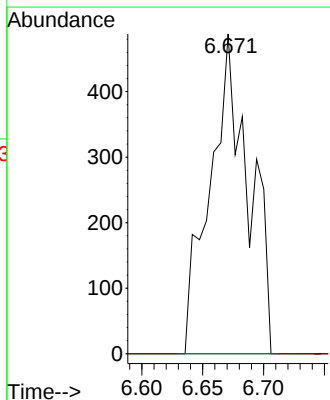
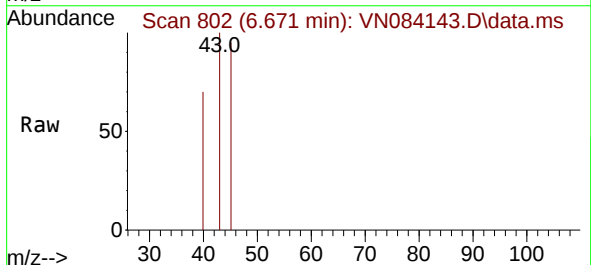
Instrument :
MSVOA_N
ClientSampleId :
RE132D1-20240918

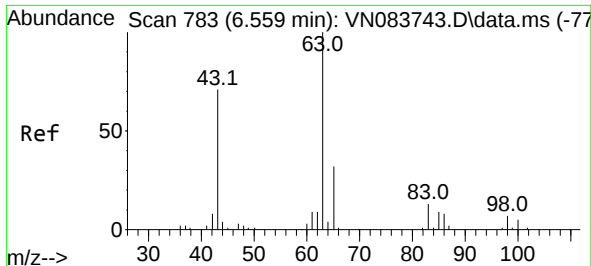
Tgt	Ion: 84	Resp:	396
Ion	Ratio	Lower	Upper
84	100		
49	64.5	93.4	140.0#
51	0.0	29.2	43.8#
86	0.0	46.9	70.3#



#23
Vinyl Acetate
Concen: 0.237 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.071 min
Lab File: VN084143.D
Acq: 24 Sep 2024 18:43

Tgt Ion: 43	Resp: 1077		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	8.7	13.1#	

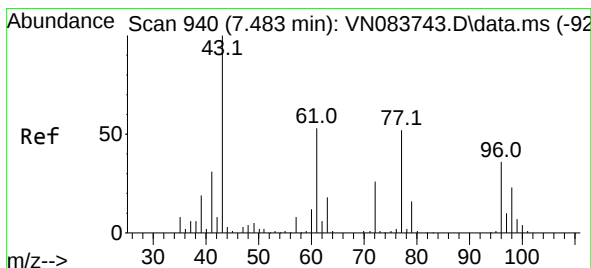
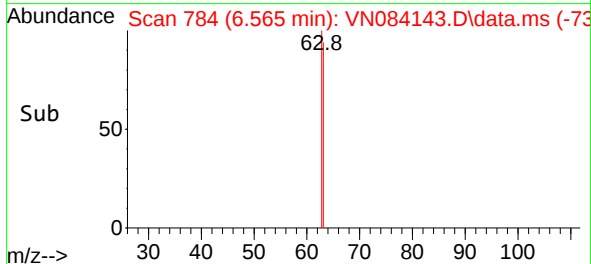
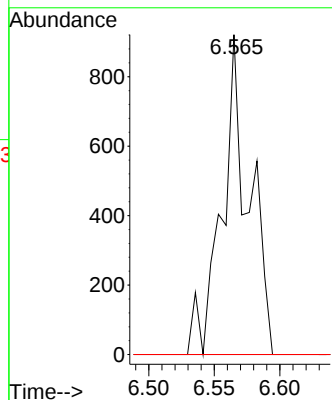
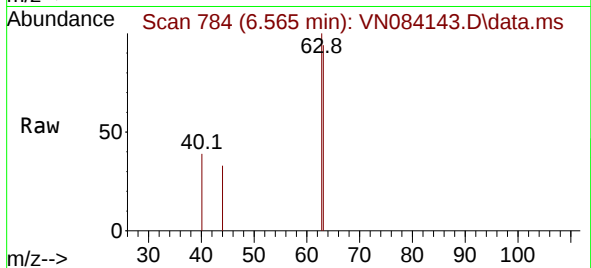




#24
1,1-Dichloroethane
Concen: 0.368 ug/l
RT: 6.565 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN084143.D
Acq: 24 Sep 2024 18:43

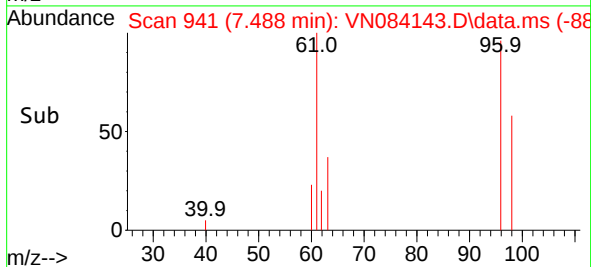
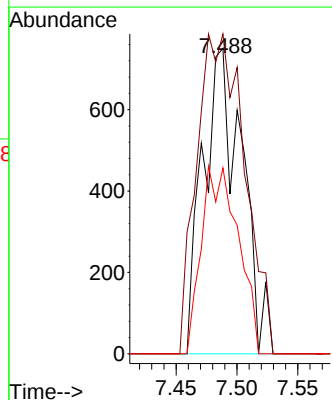
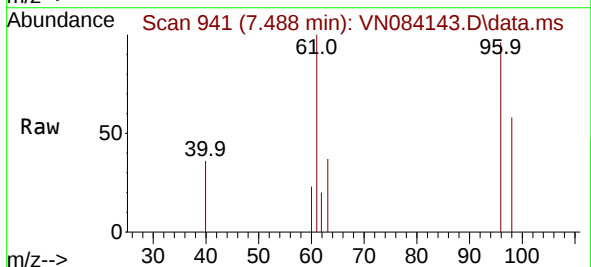
Instrument :
MSVOA_N
ClientSampleId :
RE132D1-20240918

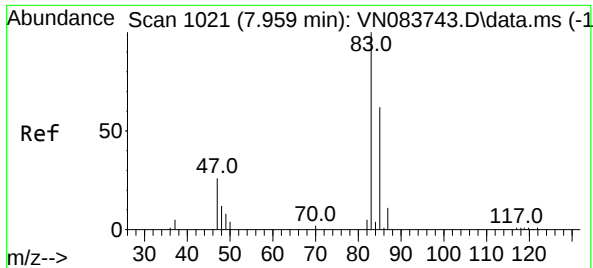
Tgt Ion: 63 Resp: 1317
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 0.778 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084143.D
Acq: 24 Sep 2024 18:43

Tgt Ion: 96 Resp: 1674
Ion Ratio Lower Upper
96 100
61 128.7 0.0 306.2
98 57.7 0.0 128.6

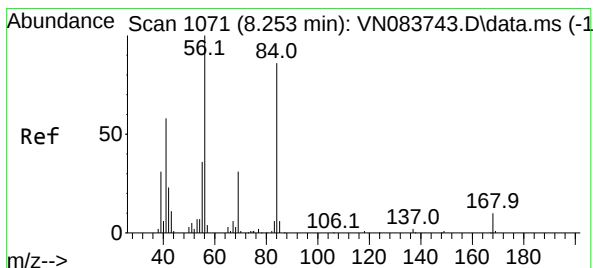
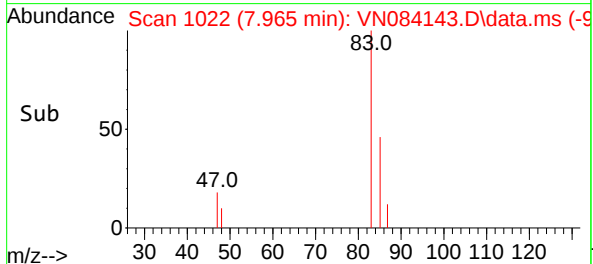
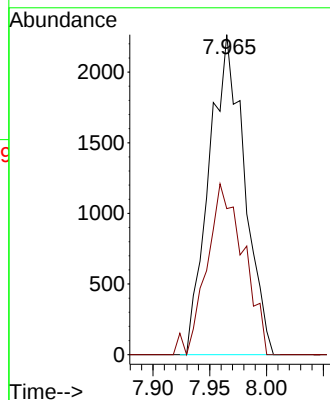
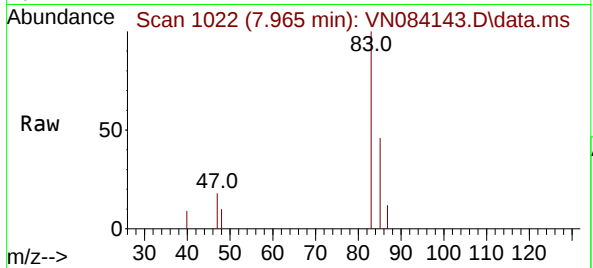




#30
Chloroform
Concen: 1.293 ug/l
RT: 7.965 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VN084143.D
Acq: 24 Sep 2024 18:43

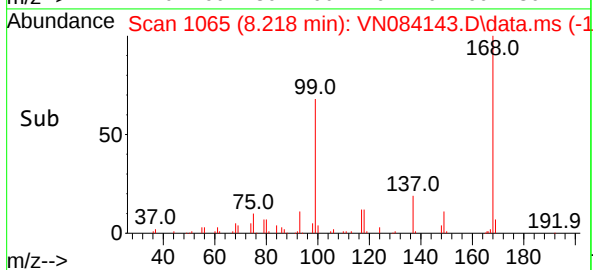
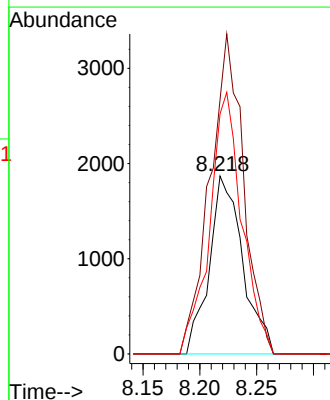
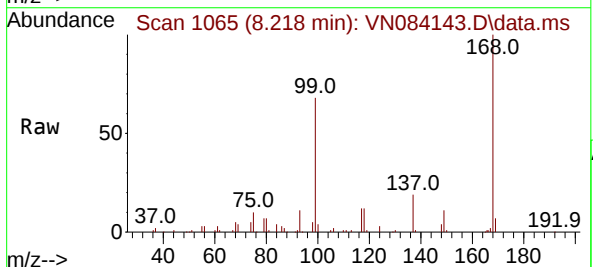
Instrument :
MSVOA_N
ClientSampleId :
RE132D1-20240918

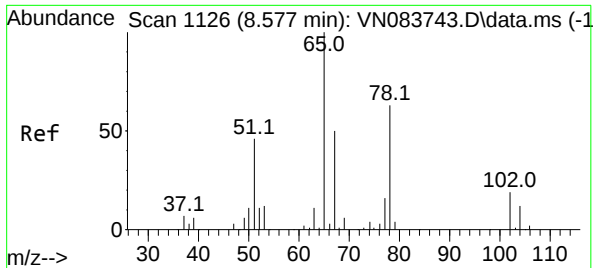
Tgt Ion: 83 Resp: 4905
Ion Ratio Lower Upper
83 100
85 45.7 52.8 79.2#



#31
Cyclohexane
Concen: 1.120 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084143.D
Acq: 24 Sep 2024 18:43

Tgt Ion: 56 Resp: 3817
Ion Ratio Lower Upper
56 100
69 142.9 26.9 40.3#
84 135.0 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 52.077 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084143.D

Acq: 24 Sep 2024 18:43

Instrument :

MSVOA_N

ClientSampleId :

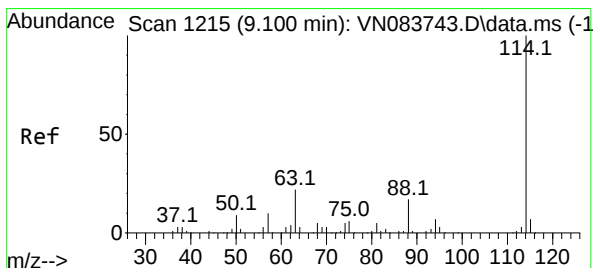
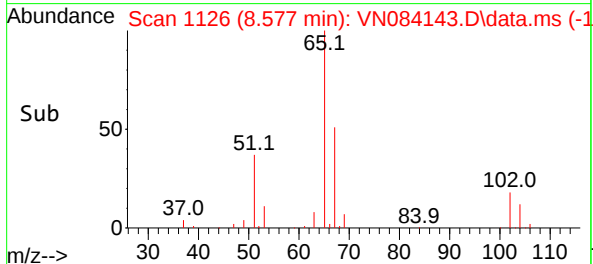
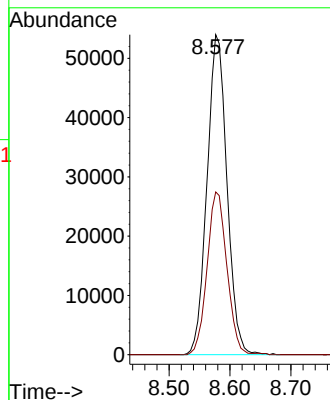
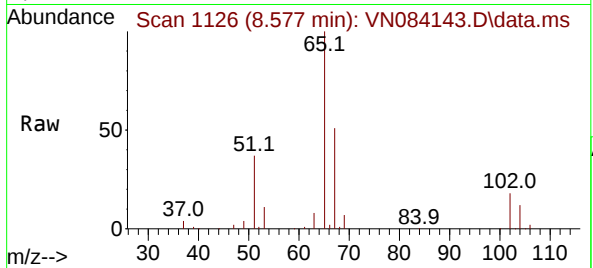
RE132D1-20240918

Tgt Ion: 65 Resp: 122798

Ion Ratio Lower Upper

65 100

67 50.6 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: VN084143.D

Acq: 24 Sep 2024 18:43

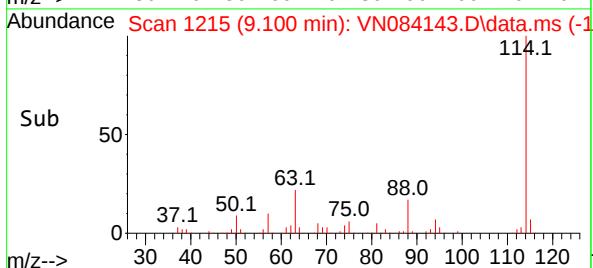
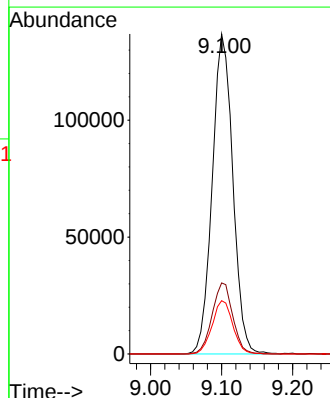
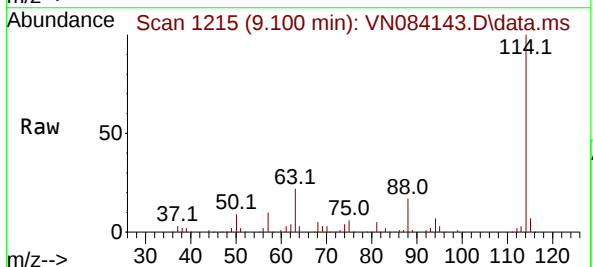
Tgt Ion: 114 Resp: 275050

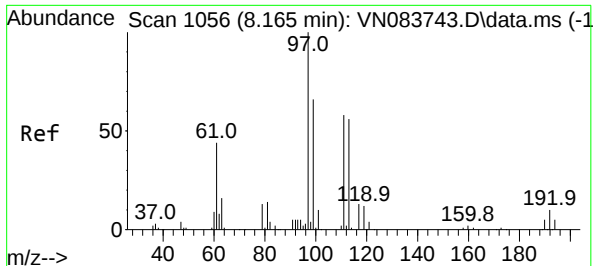
Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.4

88 16.6 0.0 32.6

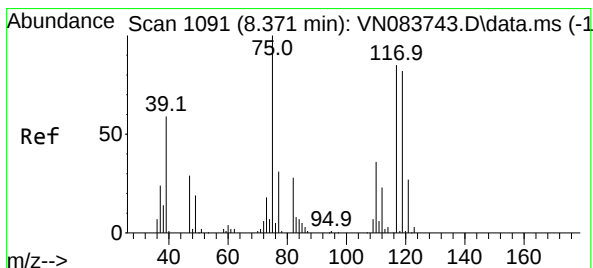
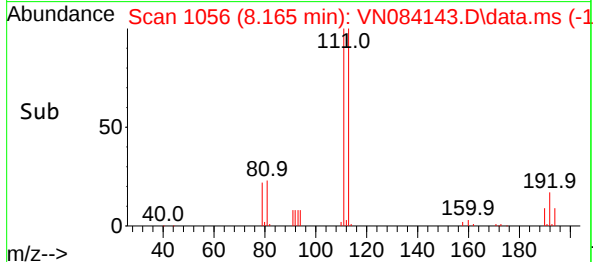
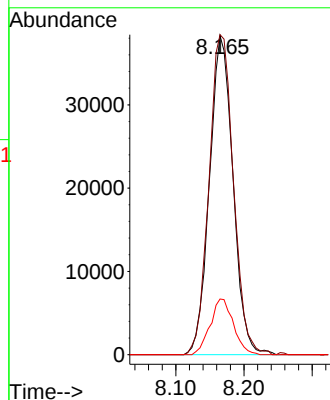
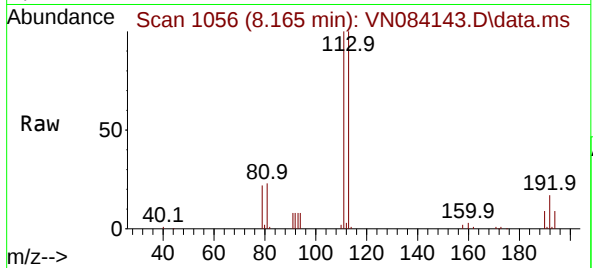




#35
Dibromofluoromethane
Concen: 52.166 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084143.D
Acq: 24 Sep 2024 18:43

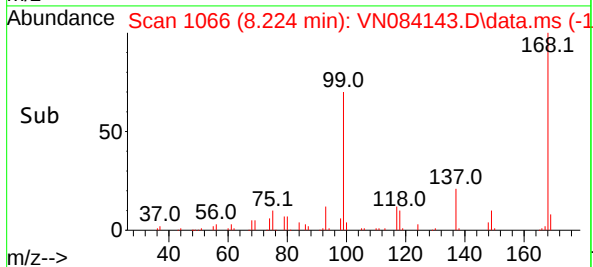
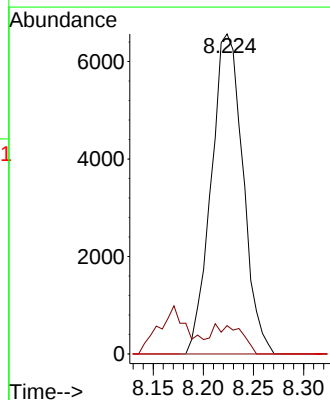
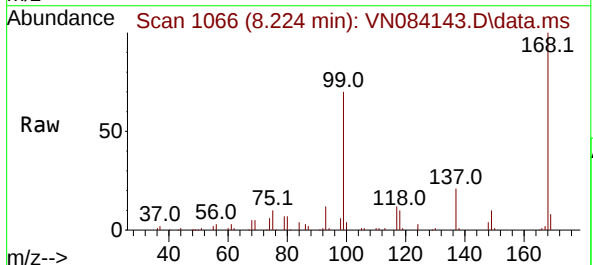
Instrument :
MSVOA_N
ClientSampleId :
RE132D1-20240918

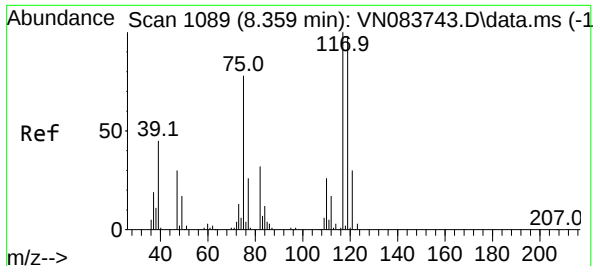
Tgt Ion:	113	Resp:	91856
Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.6	124.0
192	17.3	14.3	21.5



#36
1,1-Dichloropropene
Concen: 5.456 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084143.D
Acq: 24 Sep 2024 18:43

Tgt Ion:	75	Resp:	14459
Ion	Ratio	Lower	Upper
75	100		
110	8.6	16.7	50.1#
77	0.0	25.2	37.8#

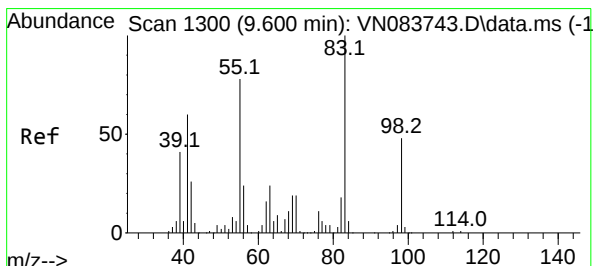
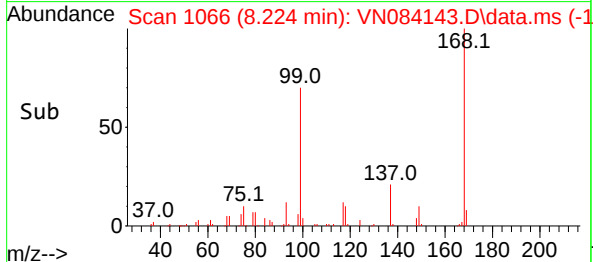
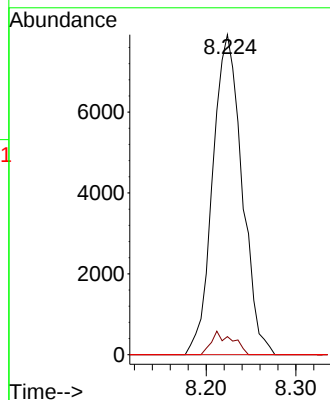
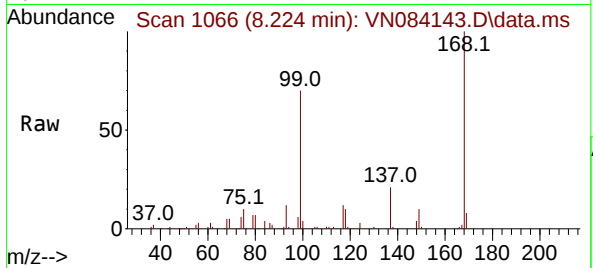




#38
Carbon Tetrachloride
Concen: 5.976 ug/l
RT: 8.224 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN084143.D
Acq: 24 Sep 2024 18:43

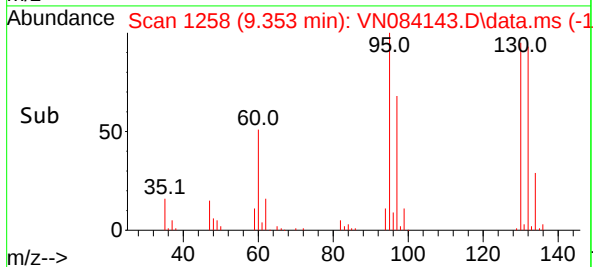
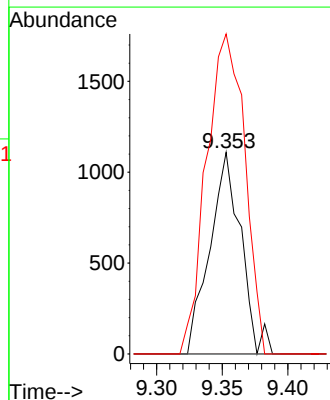
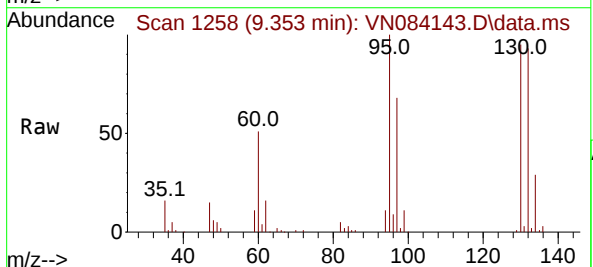
Instrument :
MSVOA_N
ClientSampleId :
RE132D1-20240918

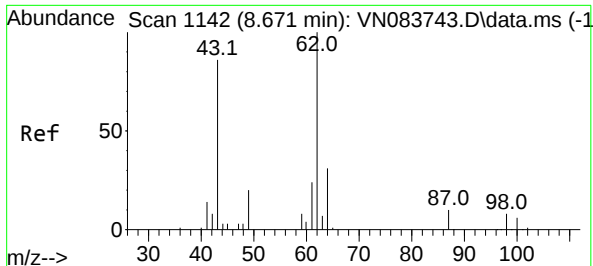
Tgt Ion: 117 Resp: 17969
Ion Ratio Lower Upper
117 100
119 5.7 76.1 114.1#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 0.605 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.247 min
Lab File: VN084143.D
Acq: 24 Sep 2024 18:43

Tgt Ion: 83 Resp: 1826
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.4#
98 158.8 37.6 56.4#





#42

1,2-Dichloroethane

Concen: 0.218 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN084143.D

Acq: 24 Sep 2024 18:43

Instrument :

MSVOA_N

ClientSampleId :

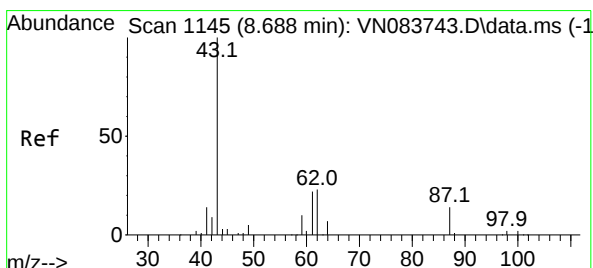
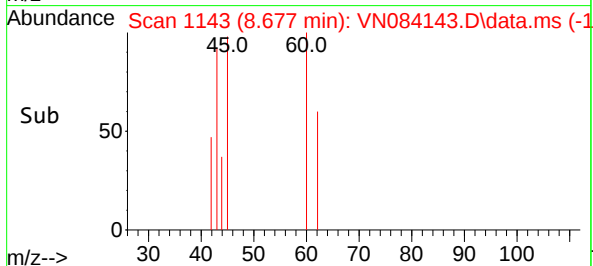
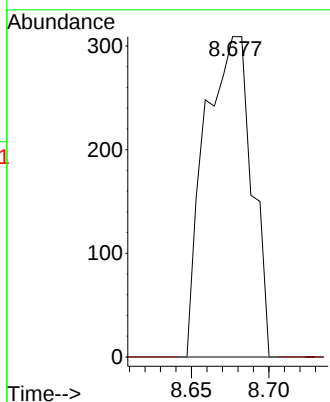
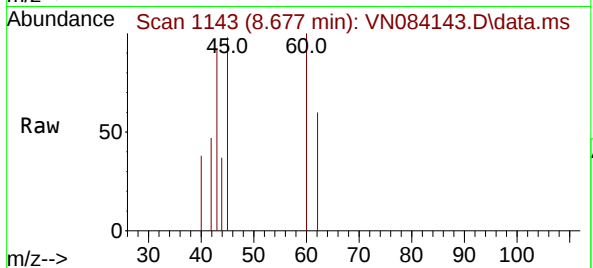
RE132D1-20240918

Tgt Ion: 62 Resp: 649

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 0.352 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VN084143.D

Acq: 24 Sep 2024 18:43

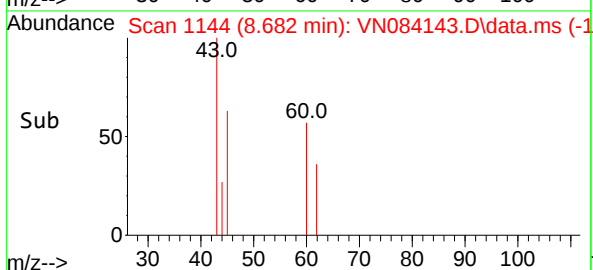
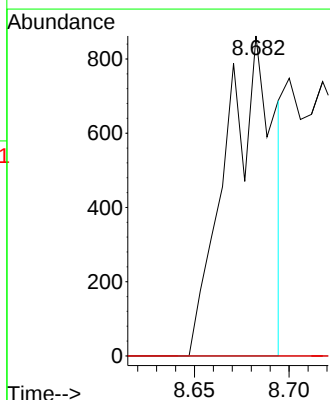
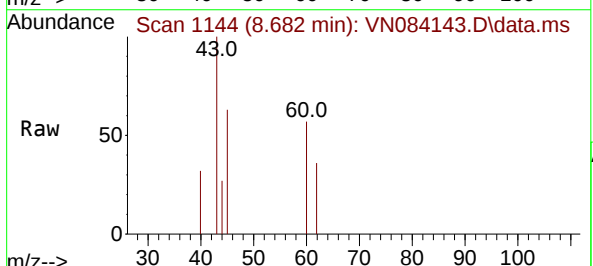
Tgt Ion: 43 Resp: 1534

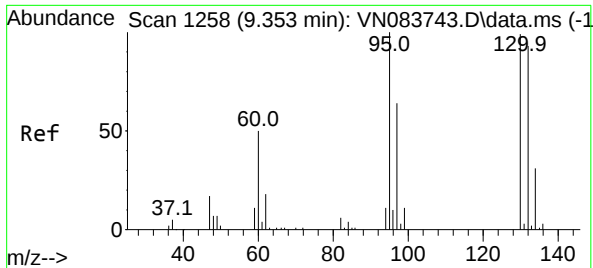
Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#

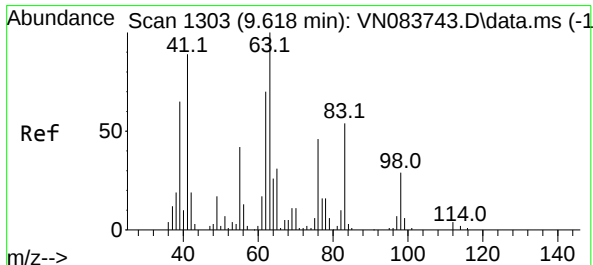
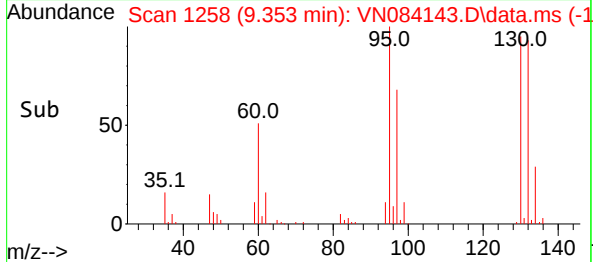
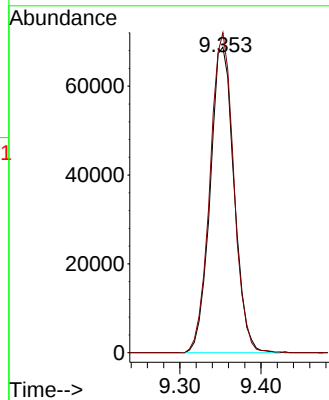
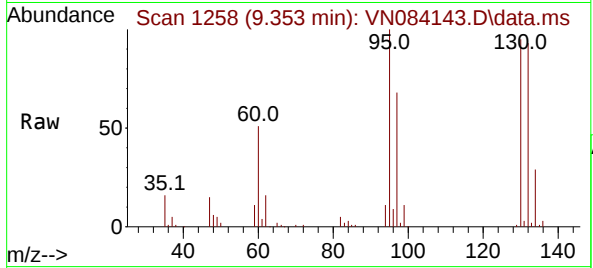




#44
Trichloroethene
Concen: 76.142 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084143.D
Acq: 24 Sep 2024 18:43

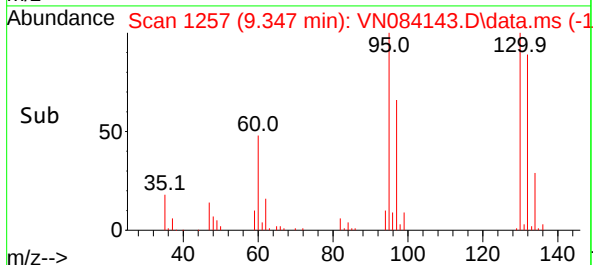
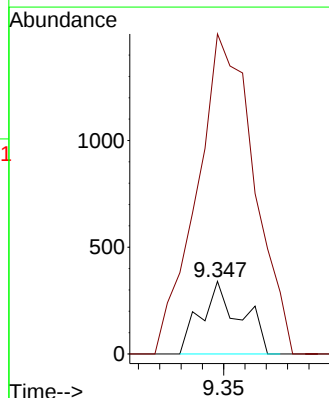
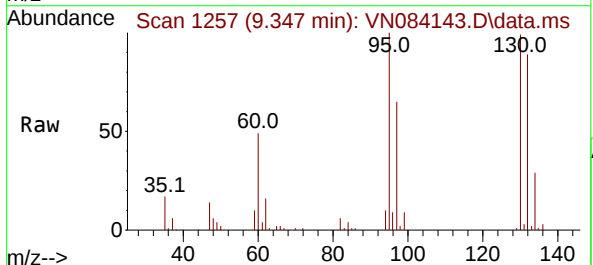
Instrument :
MSVOA_N
ClientSampleId :
RE132D1-20240918

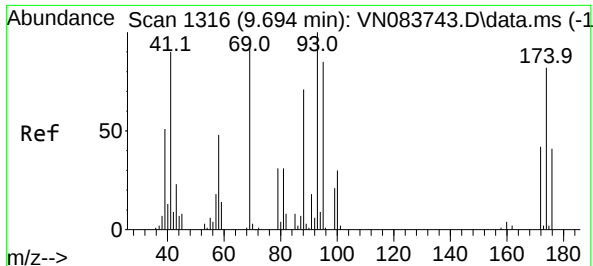
Tgt Ion:130 Resp: 140656
Ion Ratio Lower Upper
130 100
95 104.7 0.0 200.4



#45
1,2-Dichloropropane
Concen: 0.228 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.271 min
Lab File: VN084143.D
Acq: 24 Sep 2024 18:43

Tgt Ion: 63 Resp: 439
Ion Ratio Lower Upper
63 100
65 355.9 25.9 38.9#





#49

1,4-Dioxane

Concen: 3.850 ug/l

RT: 9.688 min Scan# 1316

Delta R.T. -0.006 min

Lab File: VN084143.D

Acq: 24 Sep 2024 18:43

Instrument :

MSVOA_N

ClientSampleId :

RE132D1-20240918

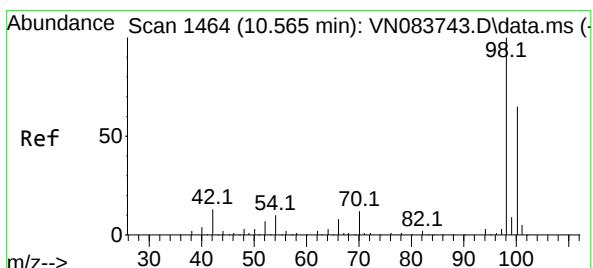
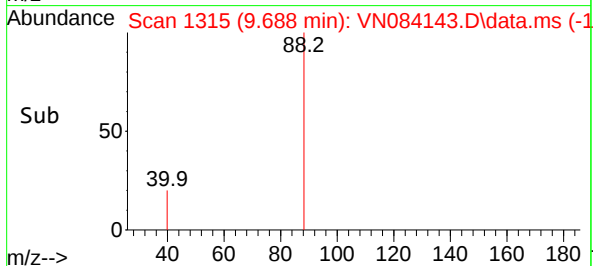
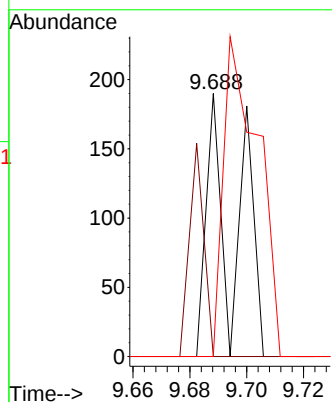
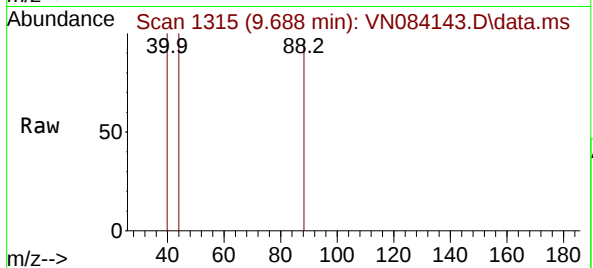
Tgt Ion: 88 Resp: 131

Ion Ratio Lower Upper

88 100

43 41.2 0.0 0.0#

58 148.9 57.1 85.7#



#50

Toluene-d8

Concen: 54.928 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084143.D

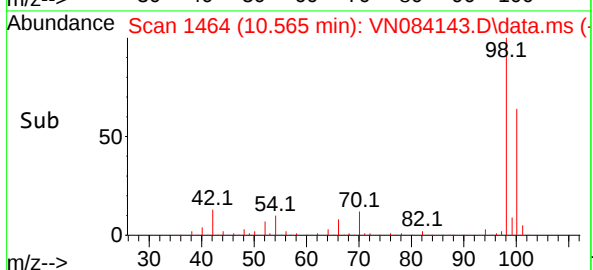
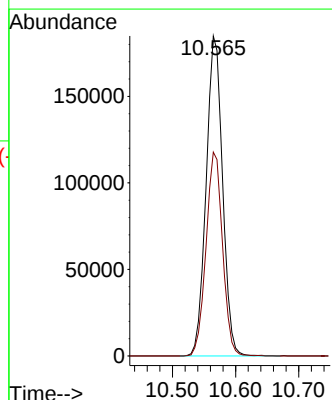
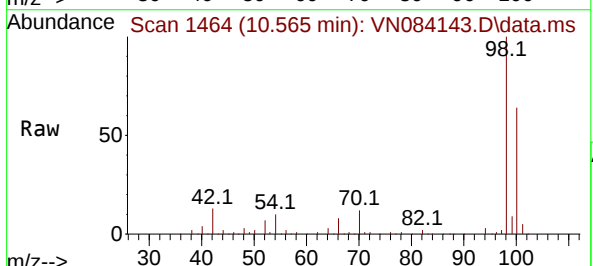
Acq: 24 Sep 2024 18:43

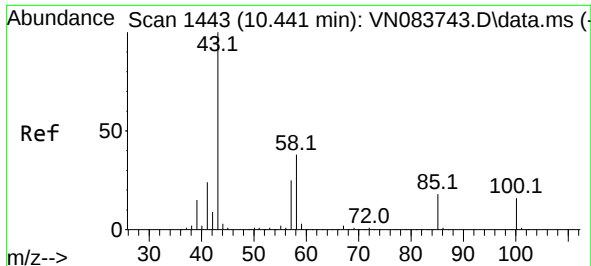
Tgt Ion: 98 Resp: 334361

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.633 ug/l

RT: 10.565 min Scan# 14

Delta R.T. 0.123 min

Lab File: VN084143.D

Acq: 24 Sep 2024 18:43

Instrument :

MSVOA_N

ClientSampleId :

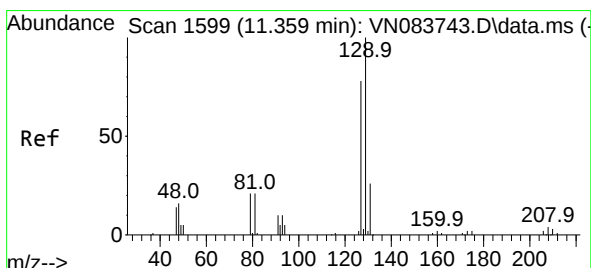
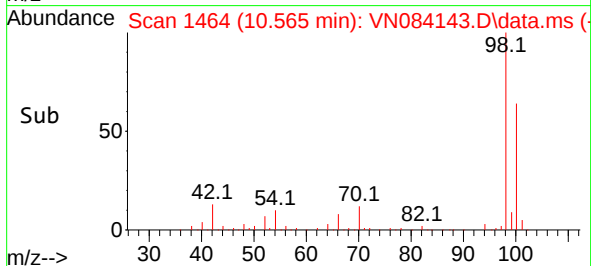
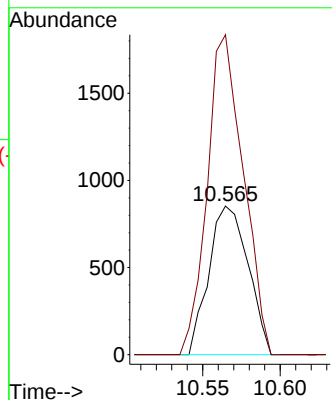
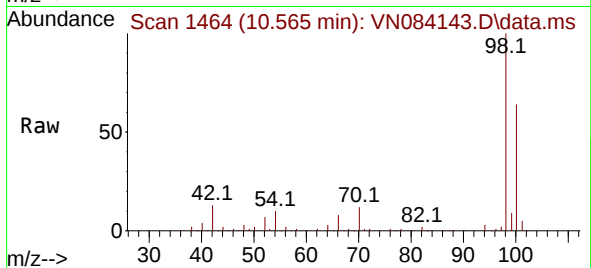
RE132D1-20240918

Tgt Ion: 43 Resp: 1503

Ion Ratio Lower Upper

43 100

58 198.3 31.6 47.4#



#60

Dibromochloromethane

Concen: 2.217 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.259 min

Lab File: VN084143.D

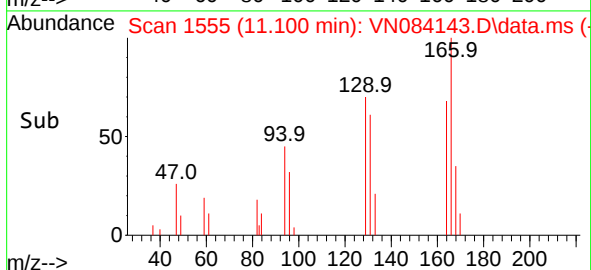
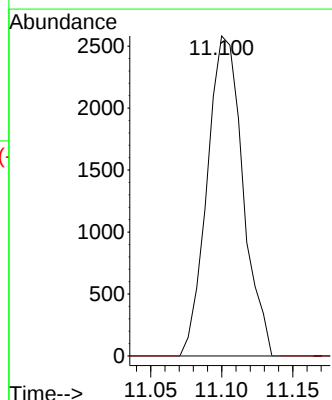
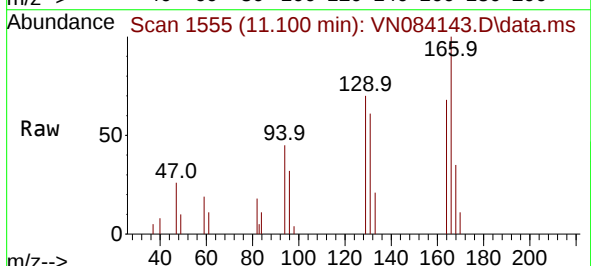
Acq: 24 Sep 2024 18:43

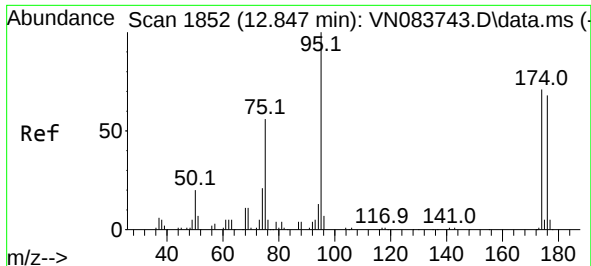
Tgt Ion: 129 Resp: 4520

Ion Ratio Lower Upper

129 100

127 0.0 39.0 116.9#

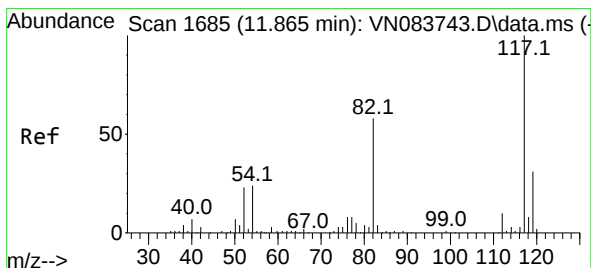
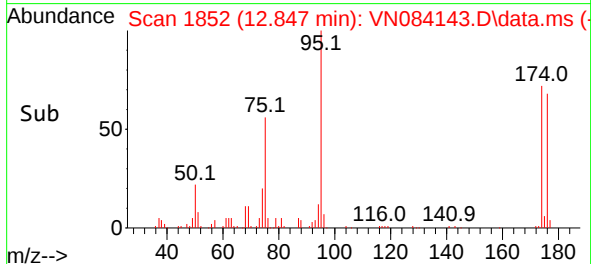
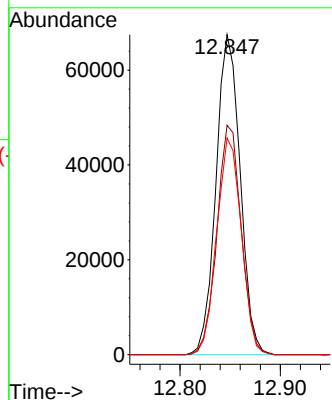
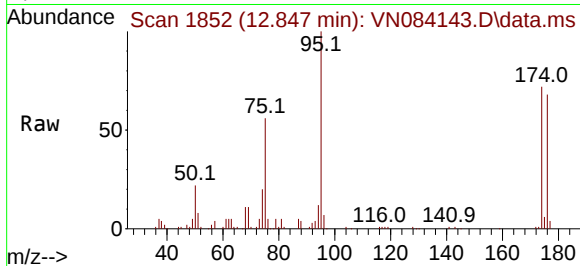




#62
4-Bromofluorobenzene
Concen: 44.951 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084143.D
Acq: 24 Sep 2024 18:43

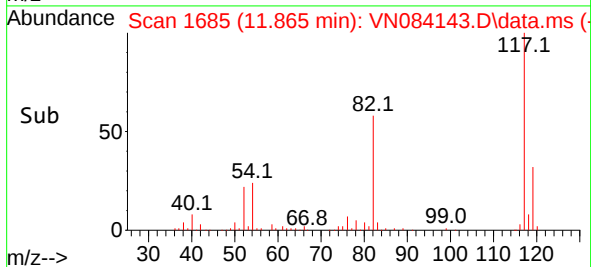
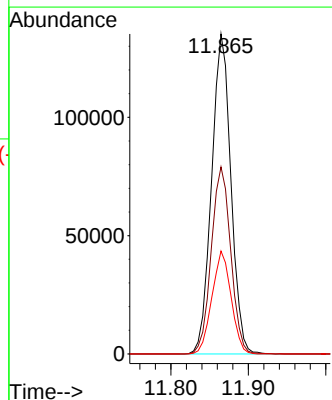
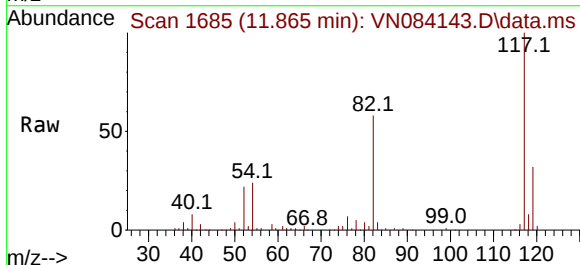
Instrument :
MSVOA_N
ClientSampleId :
RE132D1-20240918

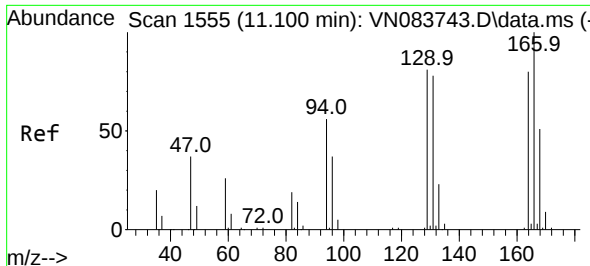
Tgt Ion: 95 Resp: 112893
Ion Ratio Lower Upper
95 100
174 72.0 0.0 139.8
176 68.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084143.D
Acq: 24 Sep 2024 18:43

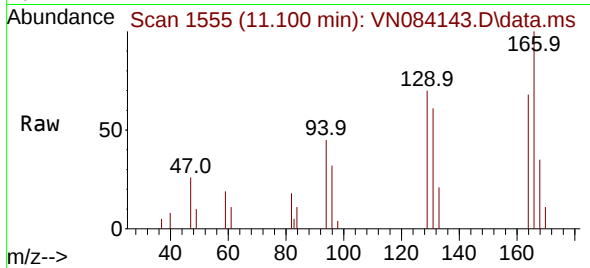
Tgt Ion: 117 Resp: 233960
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.0
119 32.1 26.3 39.5



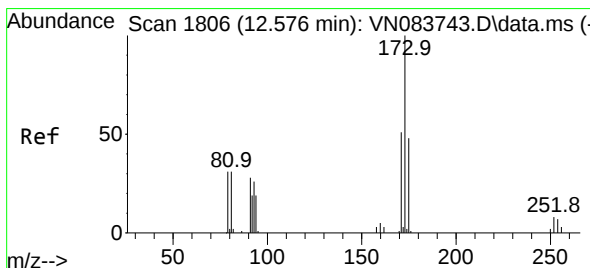
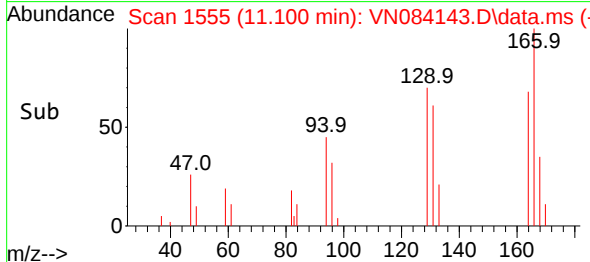
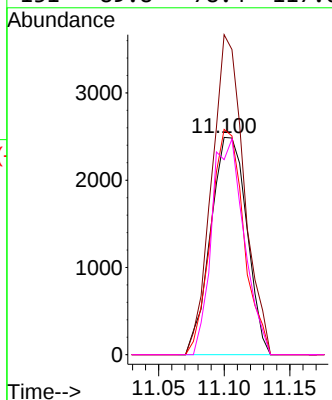


#64
Tetrachloroethene
Concen: 3.063 ug/l
RT: 11.100 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN084143.D
Acq: 24 Sep 2024 18:43

Instrument :
MSVOA_N
ClientSampleId :
RE132D1-20240918

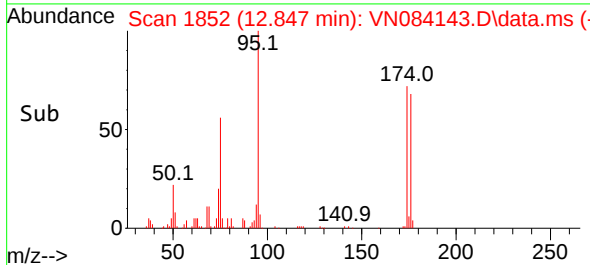
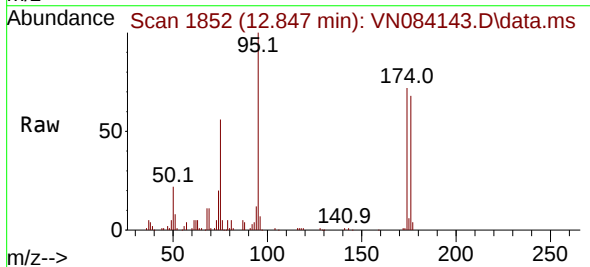
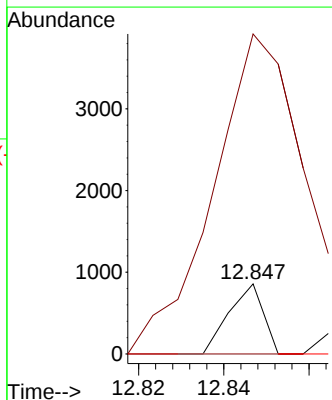


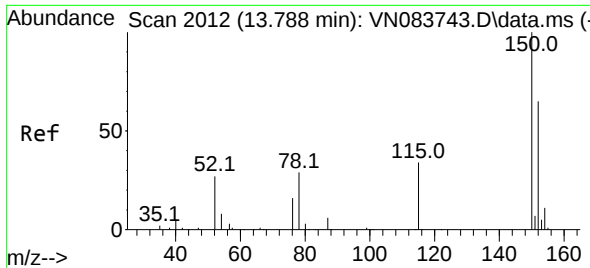
Tgt Ion:164 Resp: 4766
Ion Ratio Lower Upper
164 100
166 147.3 103.7 155.5
129 103.7 79.9 119.9
131 89.8 78.4 117.6



#71
Bromoform
Concen: 0.395 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN084143.D
Acq: 24 Sep 2024 18:43

Tgt Ion:173 Resp: 480
Ion Ratio Lower Upper
173 100
175 944.2 24.1 72.2#
254 0.0 0.0 0.0

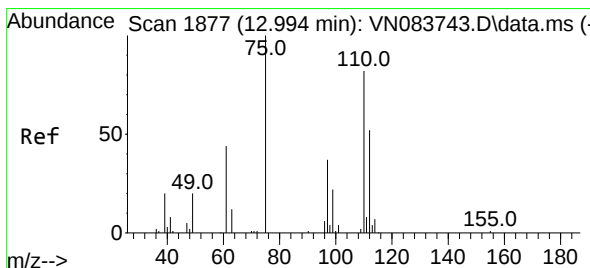
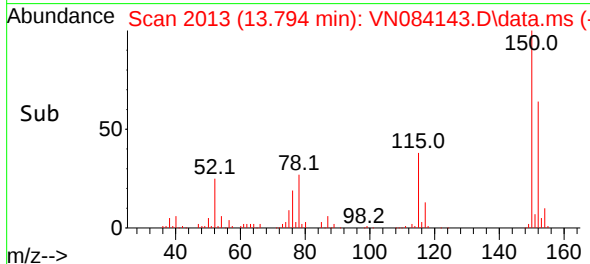
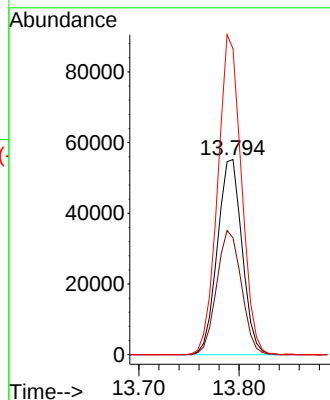
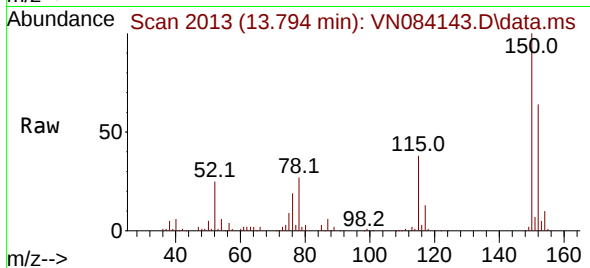




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN084143.D
 Acq: 24 Sep 2024 18:43

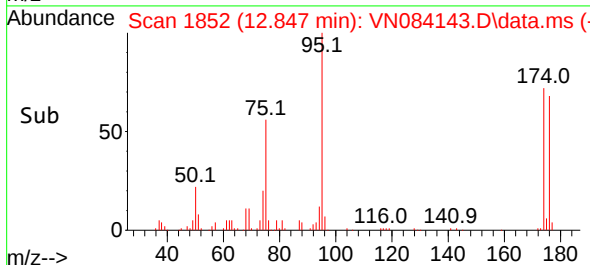
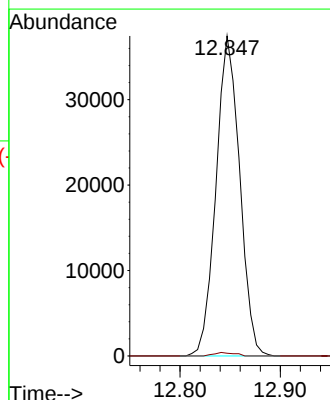
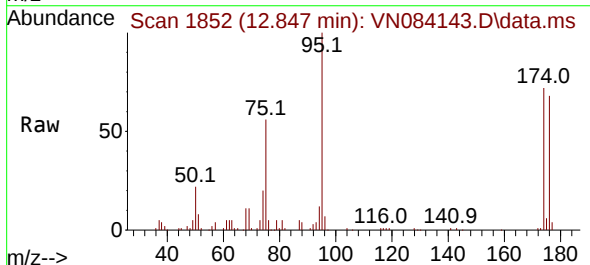
Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D1-20240918

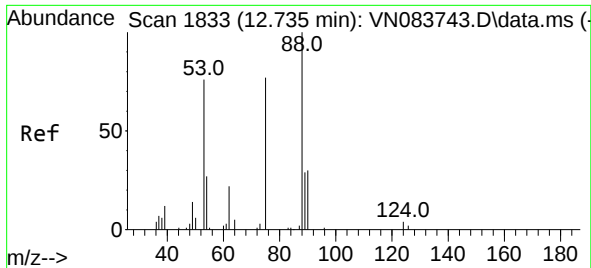
Tgt Ion:152 Resp: 94428
 Ion Ratio Lower Upper
 152 100
 115 63.8 32.2 96.6
 150 157.5 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 32.167 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN084143.D
 Acq: 24 Sep 2024 18:43

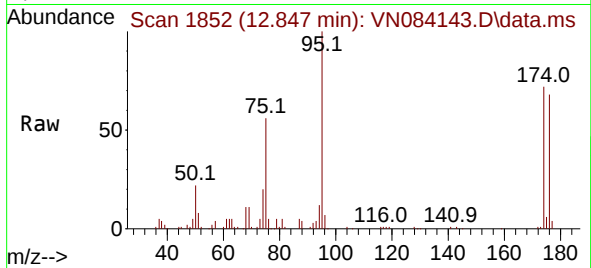
Tgt Ion: 75 Resp: 61290
 Ion Ratio Lower Upper
 75 100
 77 1.0 95.2 285.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.248 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN084143.D
 Acq: 24 Sep 2024 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D1-20240918



Tgt Ion: 75 Resp: 61290
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.2 121.8#
 89 0.0 35.7 53.5#

