

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
 Data File : VN083758.D
 Acq On : 10 Sep 2024 17:44
 Operator : JC\MD
 Sample : P3841-03DL 40X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 11 03:17:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 02:47:22 2024
 Response via : Initial Calibration

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

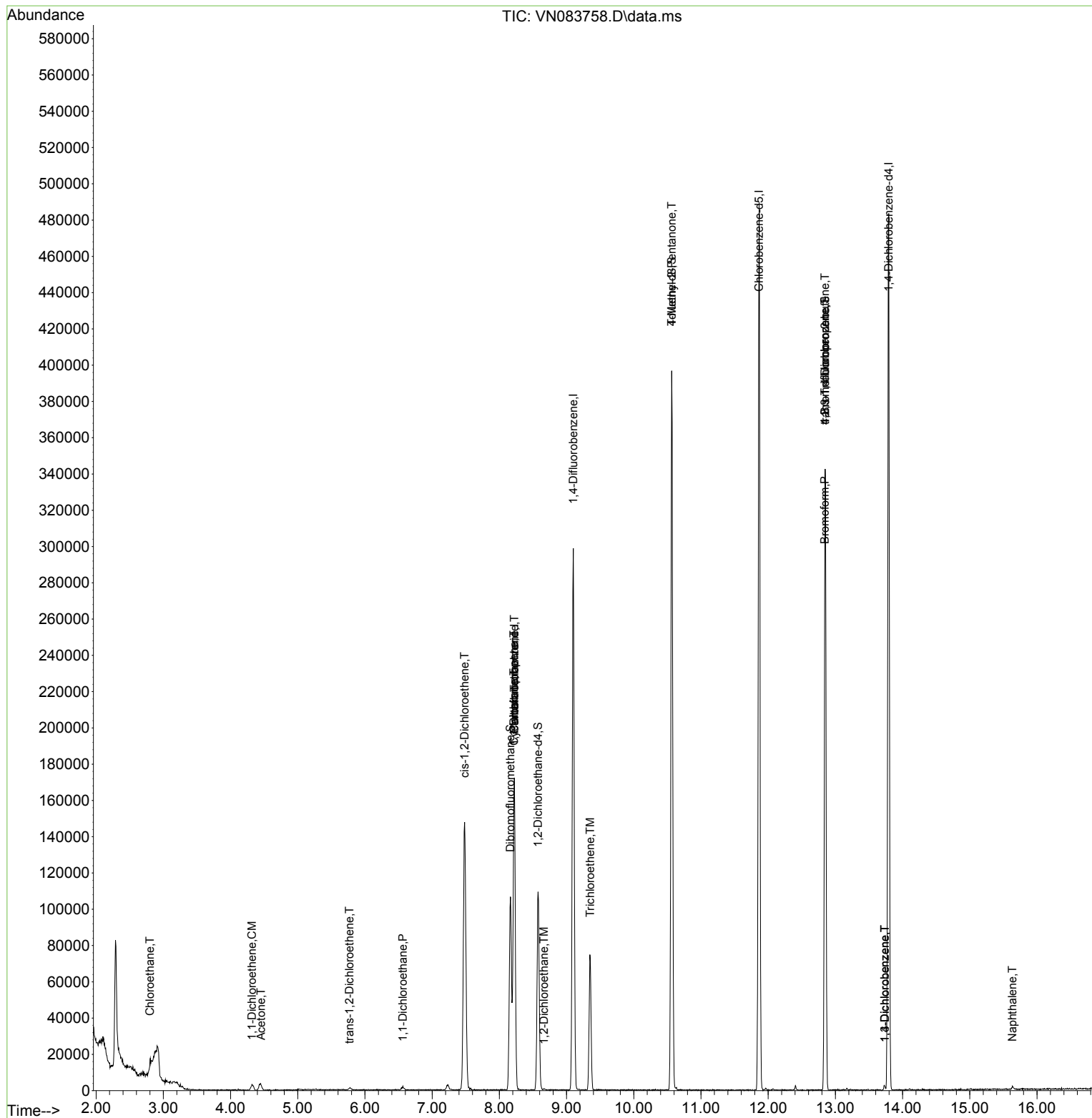
Internal Standards						
1) Pentafluorobenzene	8.224	168	117519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	241588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	260038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	122831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	92896	52.424	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.840%	
35) Dibromofluoromethane	8.165	113	74953	48.463	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.920%	
50) Toluene-d8	10.565	98	262523	49.100	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.200%	
62) 4-Bromofluorobenzene	12.847	95	118521	53.728	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.460%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1035	Below Cal	#	41
6) Chloroethane	2.800	64	1640	1.563	ug/l #	47
12) 1,1-Dichloroethene	4.318	96	2103	1.654	ug/l #	72
16) Acetone	4.453	43	171	0.241	ug/l #	45
18) Methyl Acetate	5.024	43	625	Below Cal	#	52
21) trans-1,2-Dichloroethene	5.771	96	454	0.333	ug/l #	53
24) 1,1-Dichloroethane	6.565	63	2764	1.029	ug/l #	82
27) cis-1,2-Dichloroethene	7.482	96	84963	52.541	ug/l	91
31) Cyclohexane	8.218	56	3455	1.349	ug/l #	38
36) 1,1-Dichloropropene	8.218	75	11011	4.730	ug/l #	49
38) Carbon Tetrachloride	8.224	117	13220	5.006	ug/l #	16
42) 1,2-Dichloroethane	8.665	62	626	0.239	ug/l #	77
44) Trichloroethene	9.353	130	24866	15.325	ug/l	92
51) 4-Methyl-2-Pentanone	10.565	43	1499	0.719	ug/l #	1
71) Bromoform	12.841	173	375	0.278	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	67246	27.818	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67246	71.060	ug/l #	9
87) 1,3-Dichlorobenzene	13.735	146	1426	0.330	ug/l	86
88) 1,4-Dichlorobenzene	13.735	146	1426	0.326	ug/l	86
95) Naphthalene	15.635	128	2026	0.298	ug/l #	78

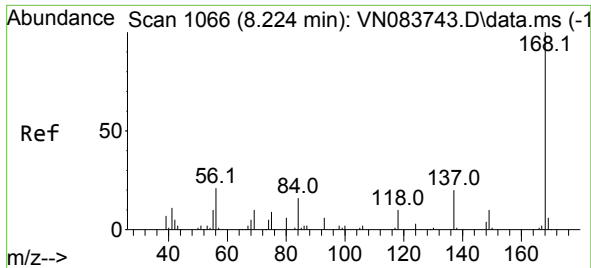
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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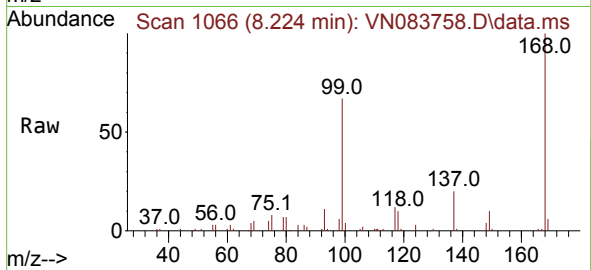
Quant Time: Sep 11 03:17:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 02:47:22 2024
Response via : Initial Calibration



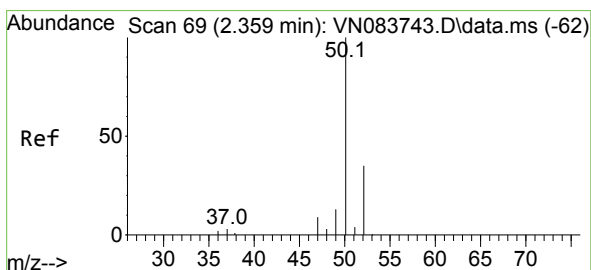
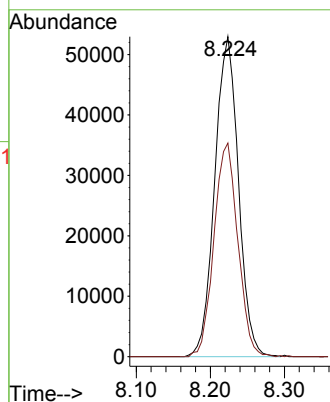
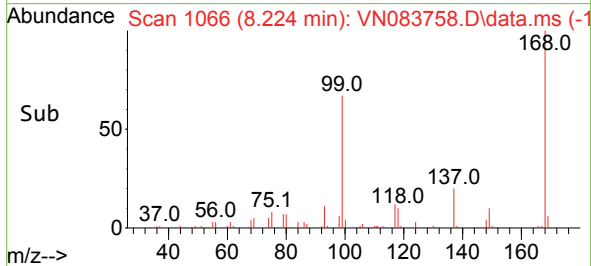


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083758.D
Acq: 10 Sep 2024 17:44

Instrument :
MSVOA_N
ClientSampleId :

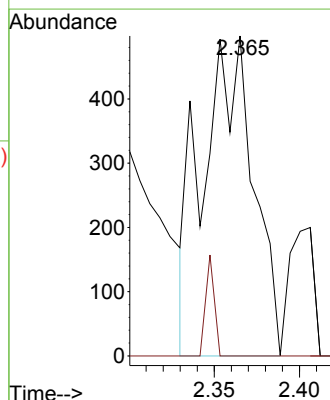
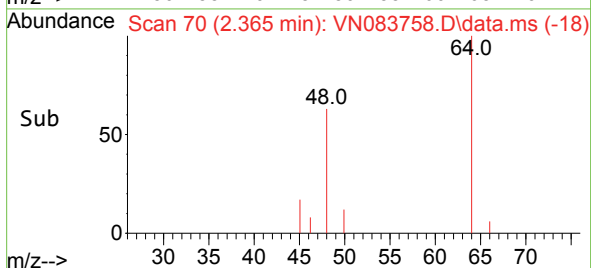
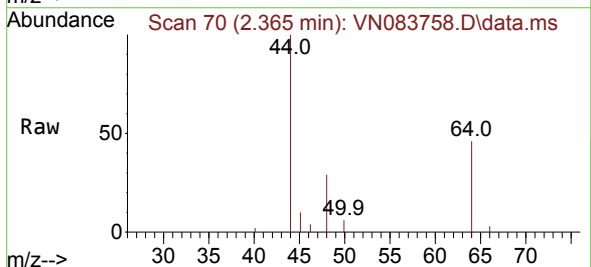


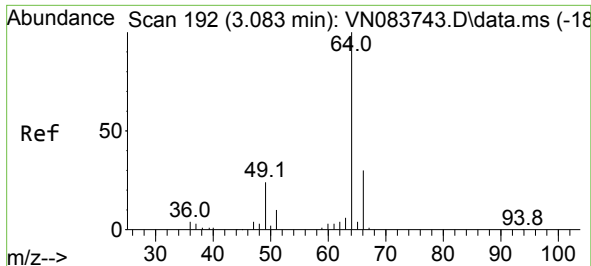
Tgt Ion:168 Resp: 117519
Ion Ratio Lower Upper
168 100
99 66.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083758.D
Acq: 10 Sep 2024 17:44

Tgt Ion: 50 Resp: 1035
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

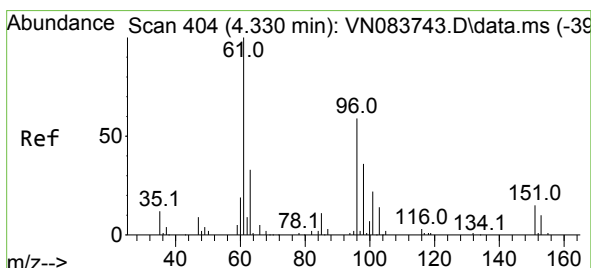
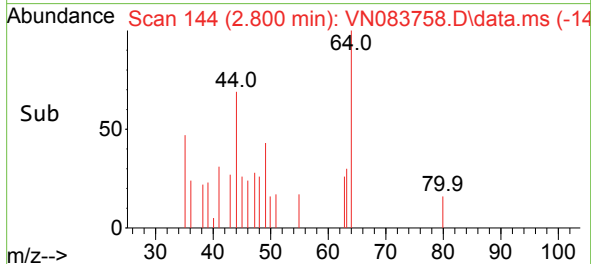
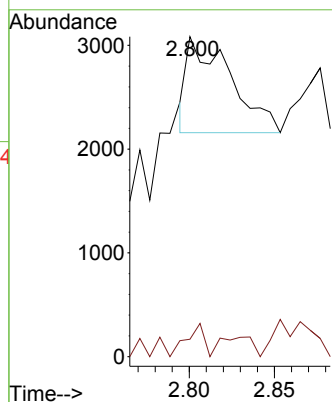
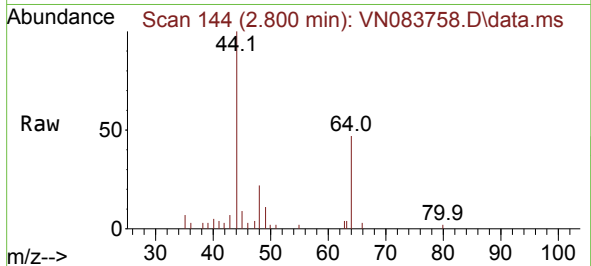




#6
Chloroethane
Concen: 1.563 ug/l
RT: 2.800 min Scan# 14
Delta R.T. -0.283 min
Lab File: VN083758.D
Acq: 10 Sep 2024 17:44

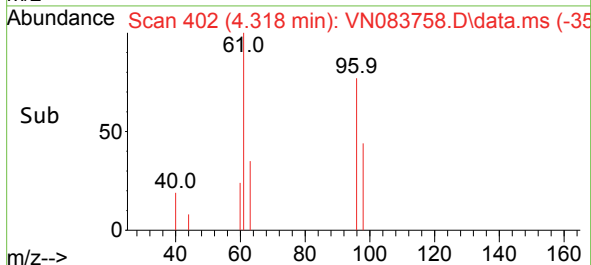
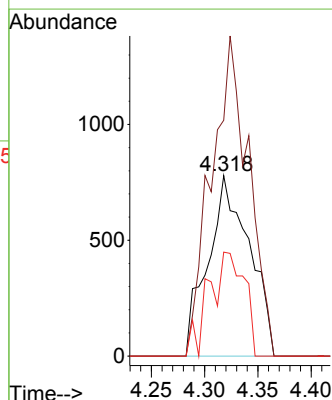
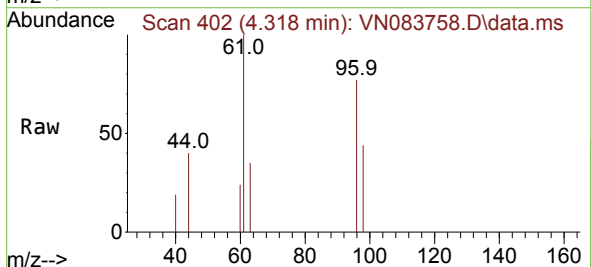
Instrument :
MSVOA_N
ClientSampleId :

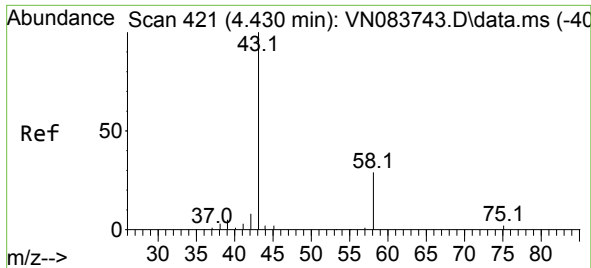
Tgt Ion: 64 Resp: 1640
Ion Ratio Lower Upper
64 100
66 1.4 23.9 35.9#



#12
1,1-Dichloroethene
Concen: 1.654 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.012 min
Lab File: VN083758.D
Acq: 10 Sep 2024 17:44

Tgt Ion: 96 Resp: 2103
Ion Ratio Lower Upper
96 100
61 130.7 143.4 215.0#
98 57.6 52.7 79.1

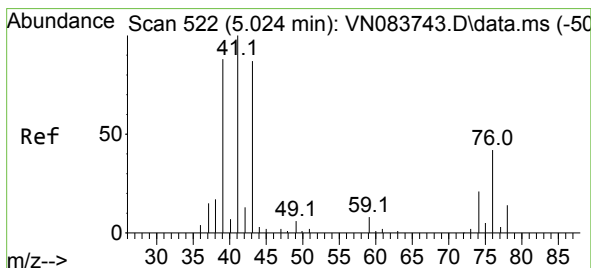
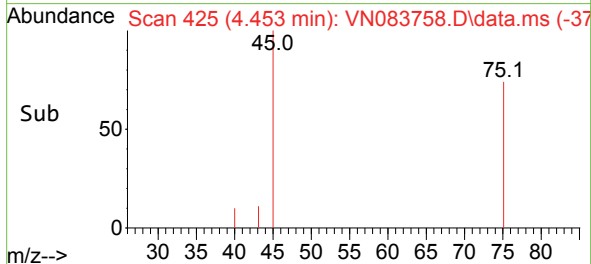
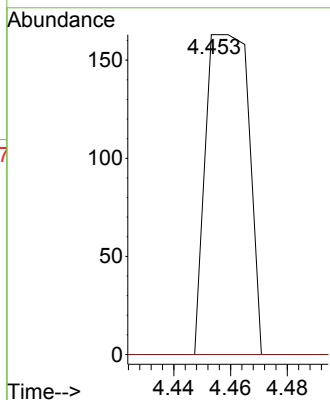
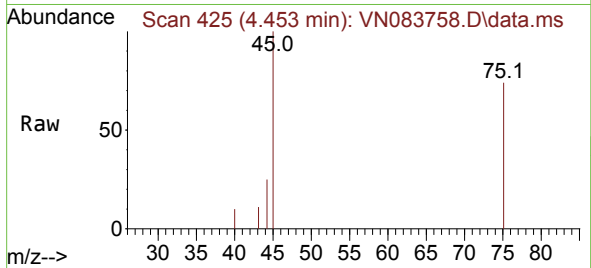




#16
Acetone
Concen: 0.241 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN083758.D
Acq: 10 Sep 2024 17:44

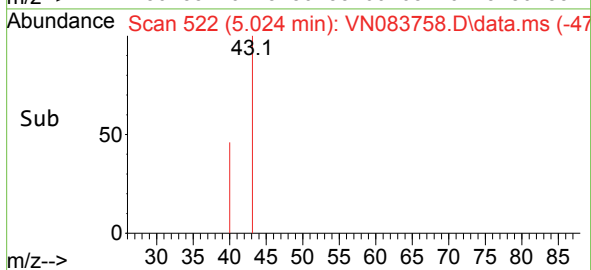
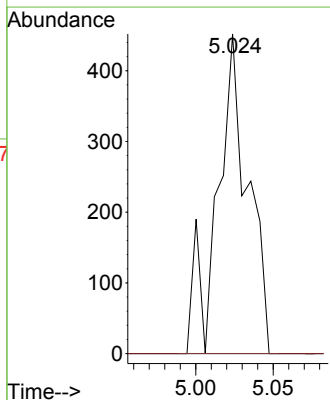
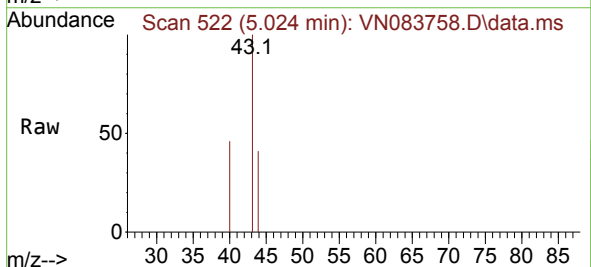
Instrument :
MSVOA_N
ClientSampleId :

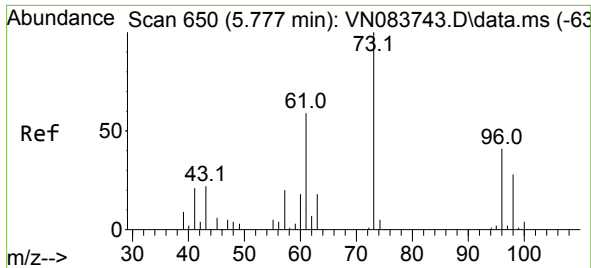
Tgt Ion: 43 Resp: 171
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN083758.D
Acq: 10 Sep 2024 17:44

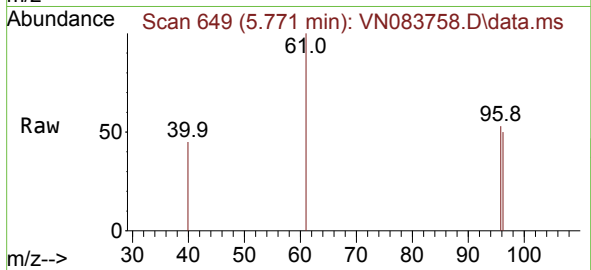
Tgt Ion: 43 Resp: 625
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



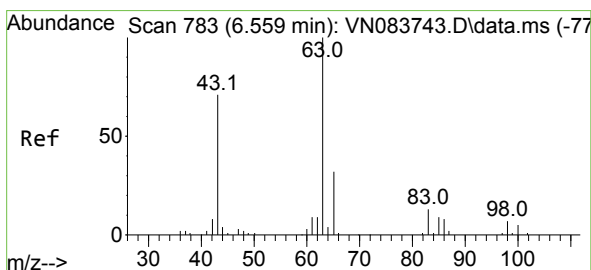
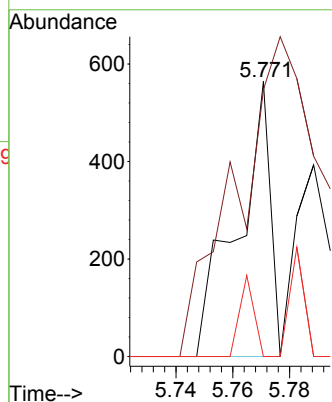
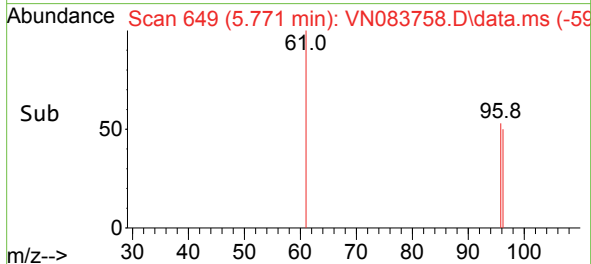


#21
trans-1,2-Dichloroethene
Concen: 0.333 ug/l
RT: 5.771 min Scan# 649
Delta R.T. -0.006 min
Lab File: VN083758.D
Acq: 10 Sep 2024 17:44

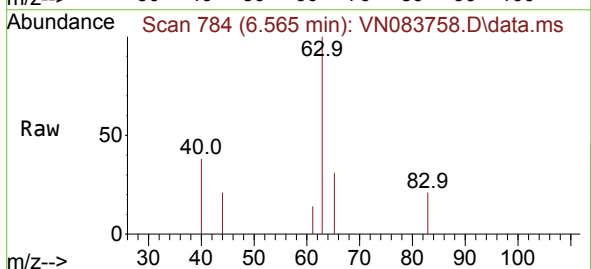
Instrument :
MSVOA_N
ClientSampleId :



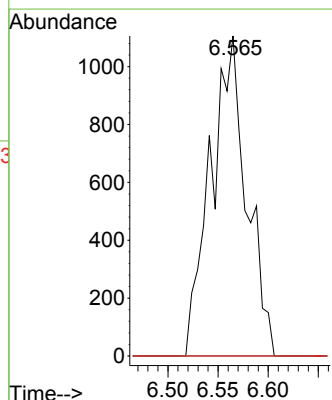
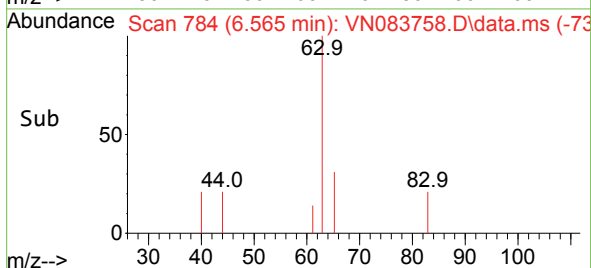
Tgt Ion: 96 Resp: 454
Ion Ratio Lower Upper
96 100
61 97.0 106.0 159.0#
98 0.0 52.2 78.2#

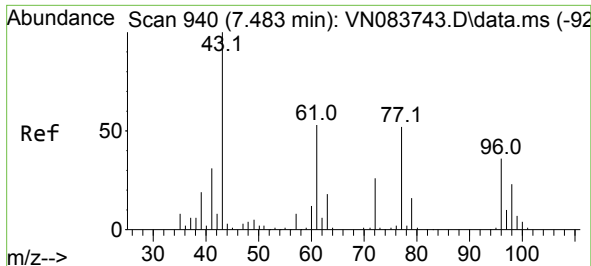


#24
1,1-Dichloroethane
Concen: 1.029 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.006 min
Lab File: VN083758.D
Acq: 10 Sep 2024 17:44



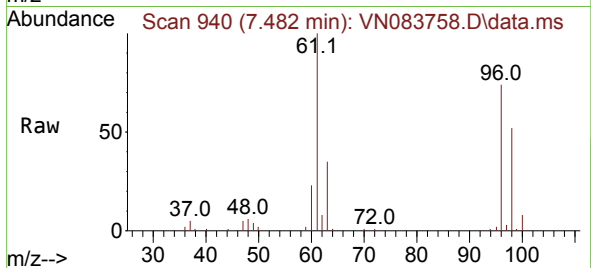
Tgt Ion: 63 Resp: 2764
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.5 7.5#



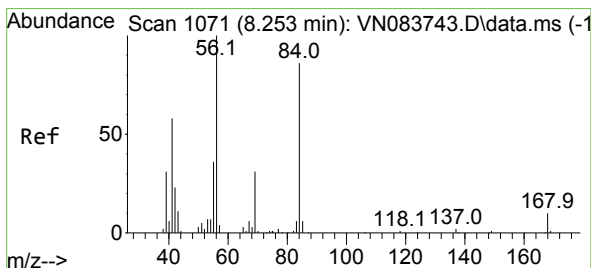
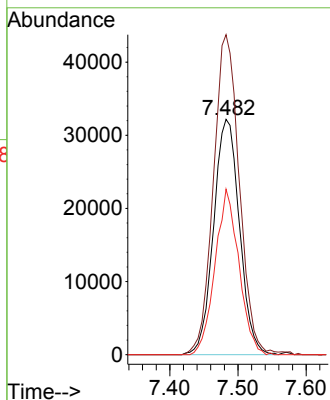
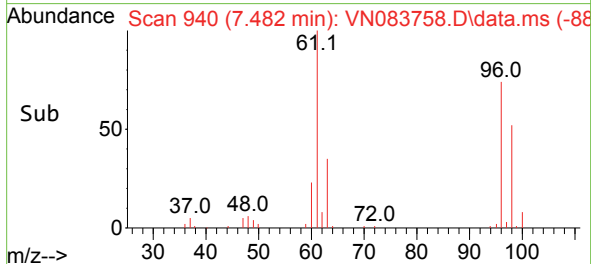


#27
 cis-1,2-Dichloroethene
 Concen: 52.541 ug/l
 RT: 7.482 min Scan# 94
 Delta R.T. -0.000 min
 Lab File: VN083758.D
 Acq: 10 Sep 2024 17:44

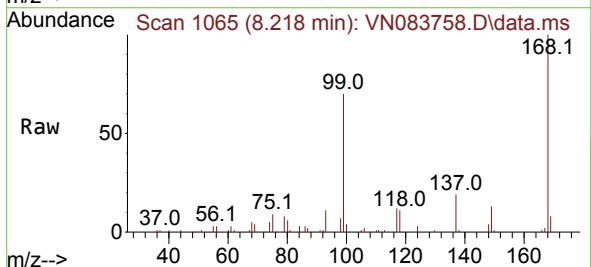
Instrument :
 MSVOA_N
 ClientSampleId :



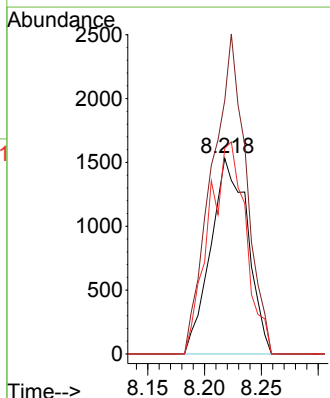
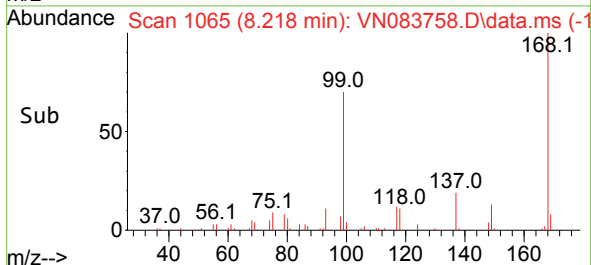
Tgt Ion: 96 Resp: 84963
 Ion Ratio Lower Upper
 96 100
 61 136.6 0.0 306.2
 98 64.8 0.0 128.6

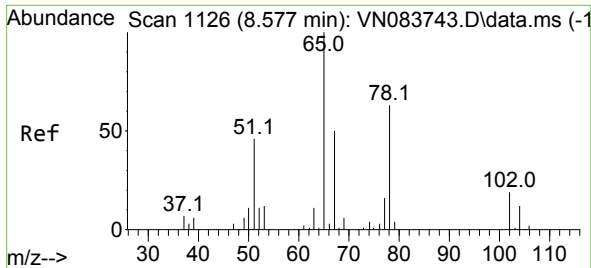


#31
 Cyclohexane
 Concen: 1.349 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.035 min
 Lab File: VN083758.D
 Acq: 10 Sep 2024 17:44



Tgt Ion: 56 Resp: 3455
 Ion Ratio Lower Upper
 56 100
 69 129.5 26.9 40.3#
 84 105.0 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 52.424 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083758.D

Acq: 10 Sep 2024 17:44

Instrument :

MSVOA_N

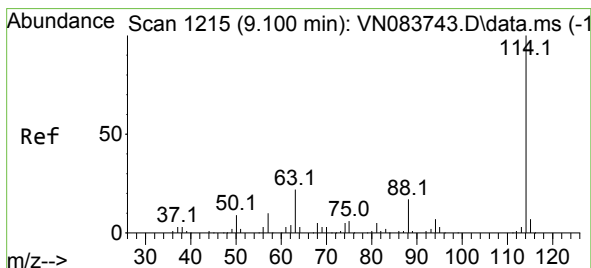
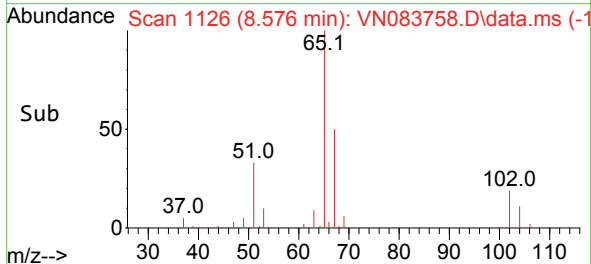
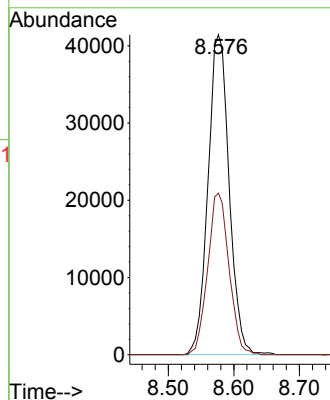
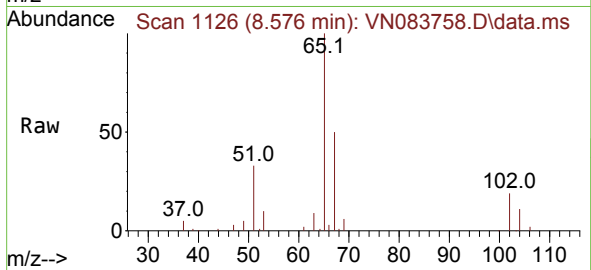
ClientSampleId :

Tgt Ion: 65 Resp: 92896

Ion Ratio Lower Upper

65 100

67 50.8 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: VN083758.D

Acq: 10 Sep 2024 17:44

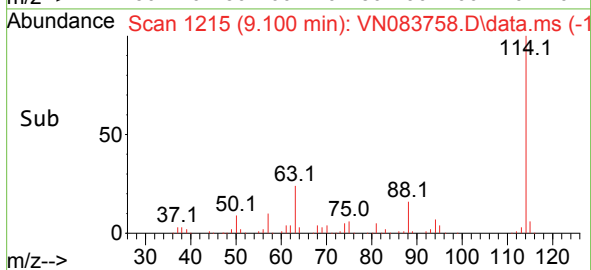
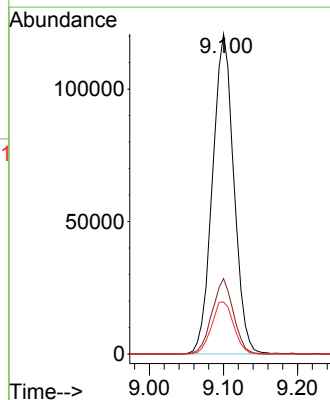
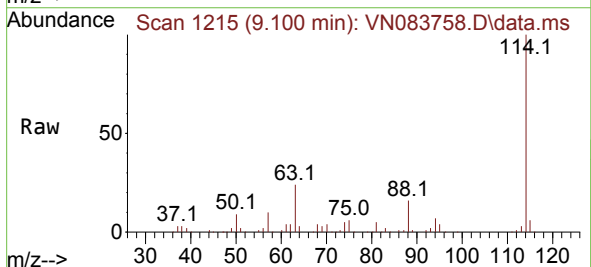
Tgt Ion: 114 Resp: 241588

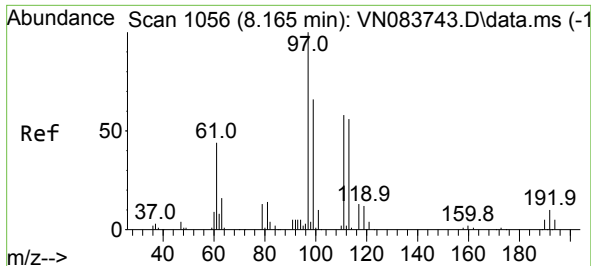
Ion Ratio Lower Upper

114 100

63 23.6 0.0 43.4

88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.463 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083758.D

Acq: 10 Sep 2024 17:44

Instrument :

MSVOA_N

ClientSampleId :

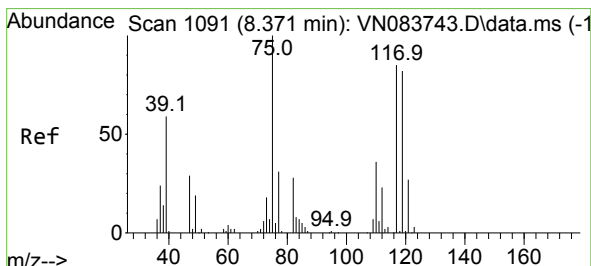
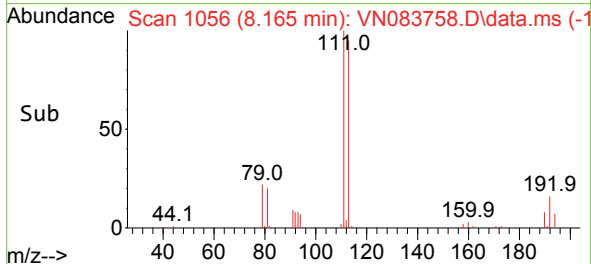
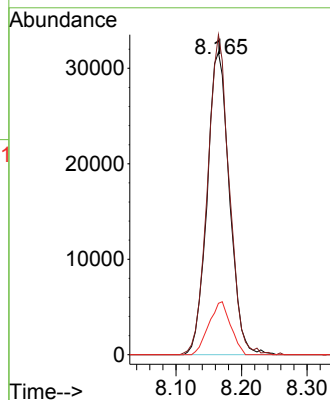
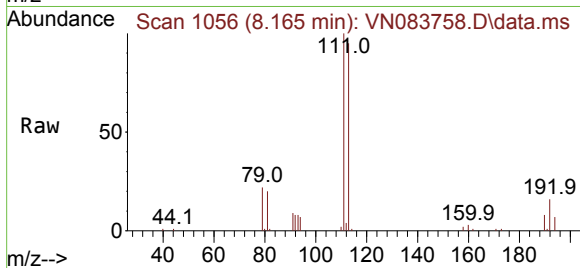
Tgt Ion:113 Resp: 74953

Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 17.0 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.730 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN083758.D

Acq: 10 Sep 2024 17:44

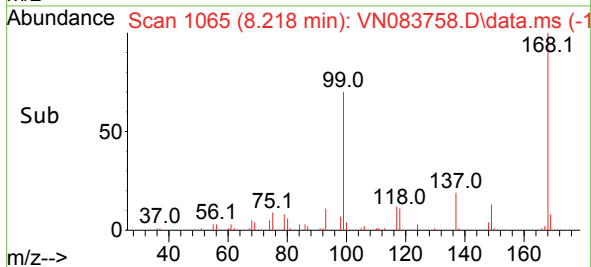
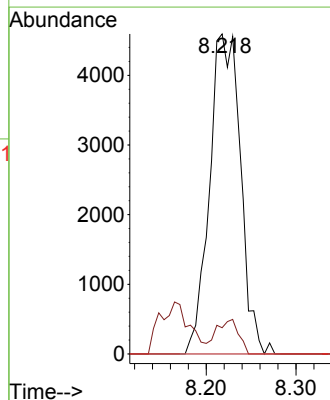
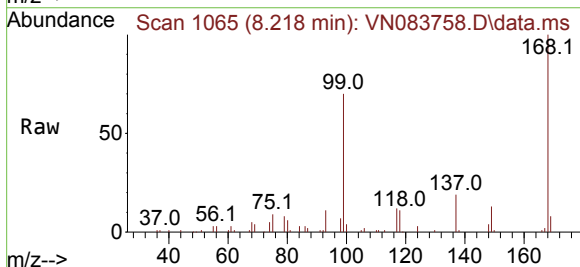
Tgt Ion: 75 Resp: 11011

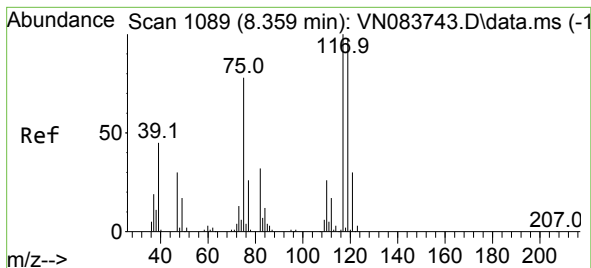
Ion Ratio Lower Upper

75 100

110 7.8 16.7 50.1#

77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.006 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.135 min

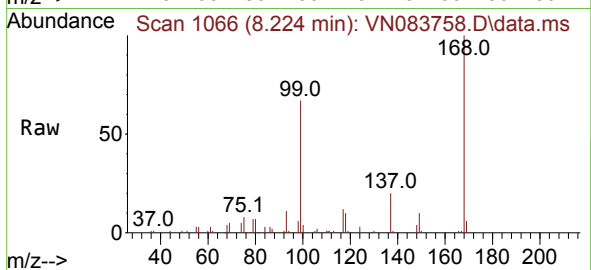
Lab File: VN083758.D

Acq: 10 Sep 2024 17:44

Instrument :

MSVOA_N

ClientSampleId :



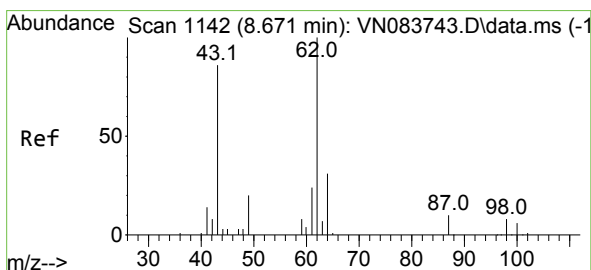
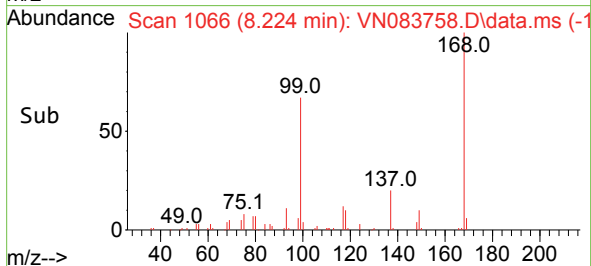
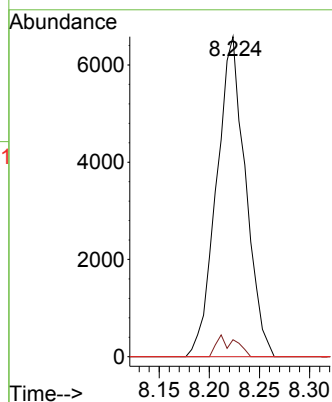
Tgt Ion:117 Resp: 13220

Ion Ratio Lower Upper

117 100

119 5.3 76.1 114.1#

121 0.0 24.1 36.1#



#42

1,2-Dichloroethane

Concen: 0.239 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.006 min

Lab File: VN083758.D

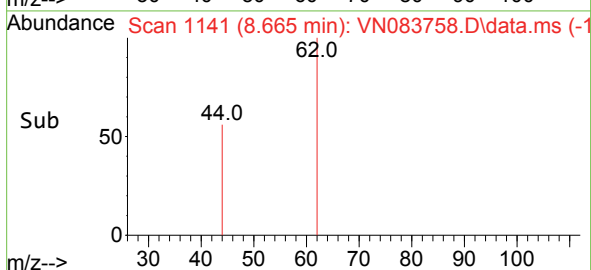
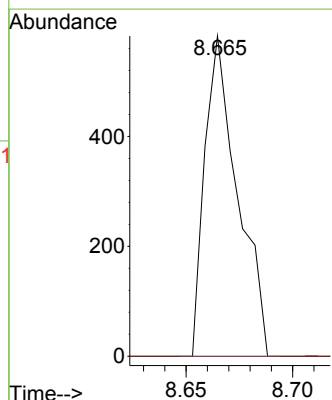
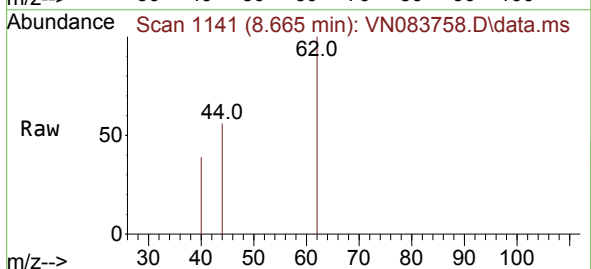
Acq: 10 Sep 2024 17:44

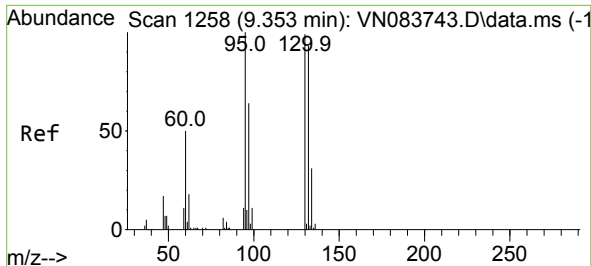
Tgt Ion: 62 Resp: 626

Ion Ratio Lower Upper

62 100

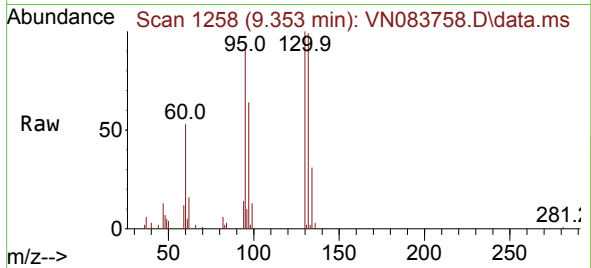
98 0.0 0.0 16.6



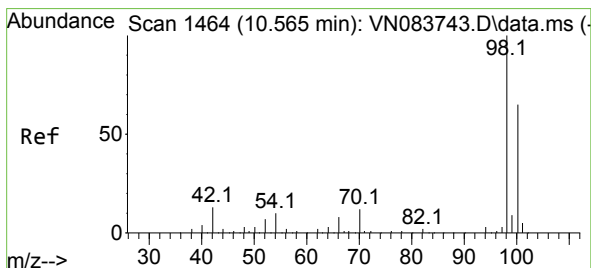
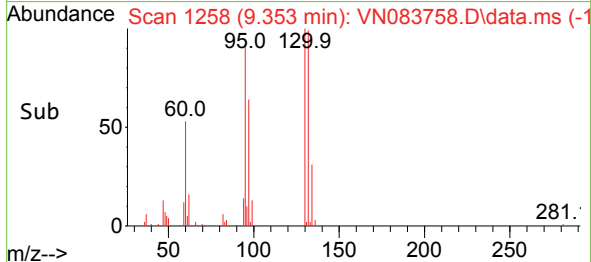
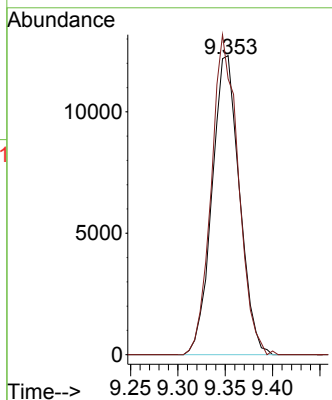


#44
Trichloroethene
Concen: 15.325 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN083758.D
Acq: 10 Sep 2024 17:44

Instrument :
MSVOA_N
ClientSampleId :

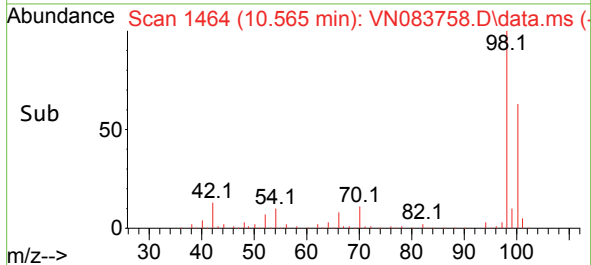
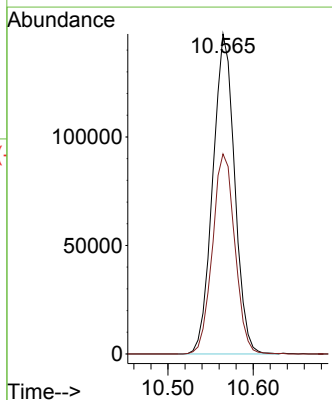
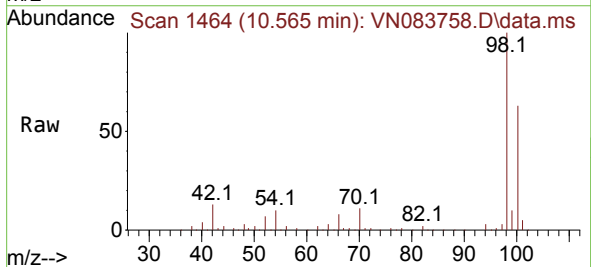


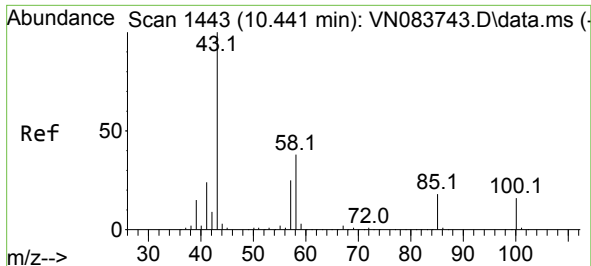
Tgt Ion:130 Resp: 24866
Ion Ratio Lower Upper
130 100
95 92.2 0.0 200.4



#50
Toluene-d8
Concen: 49.100 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083758.D
Acq: 10 Sep 2024 17:44

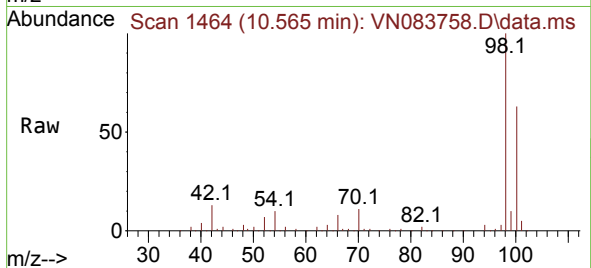
Tgt Ion: 98 Resp: 262523
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0



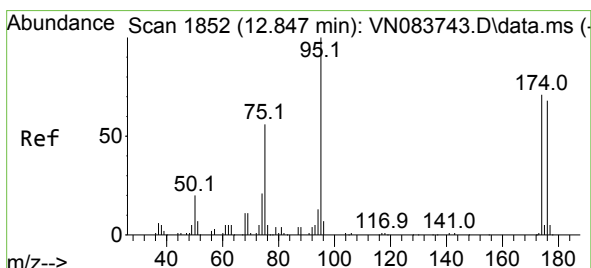
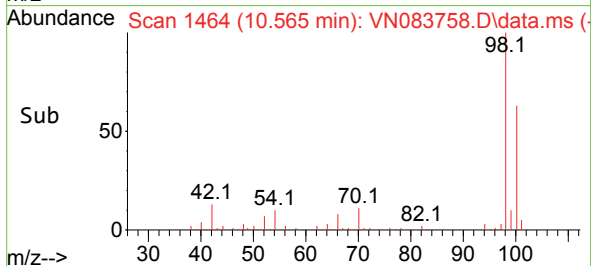
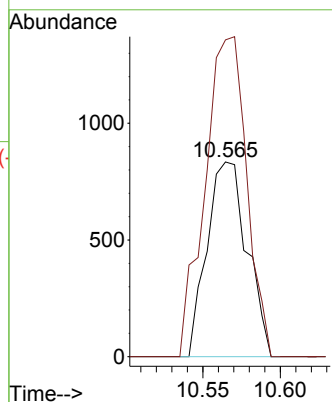


#51
4-Methyl-2-Pentanone
Concen: 0.719 ug/l
RT: 10.565 min Scan# 1443
Delta R.T. 0.123 min
Lab File: VN083758.D
Acq: 10 Sep 2024 17:44

Instrument :
MSVOA_N
ClientSampleId :

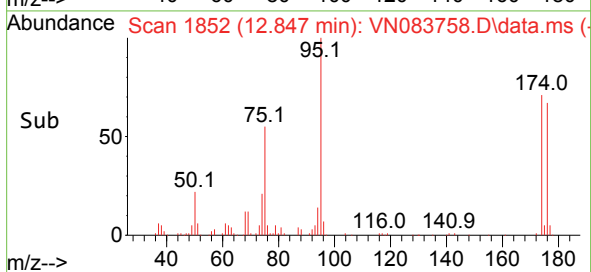
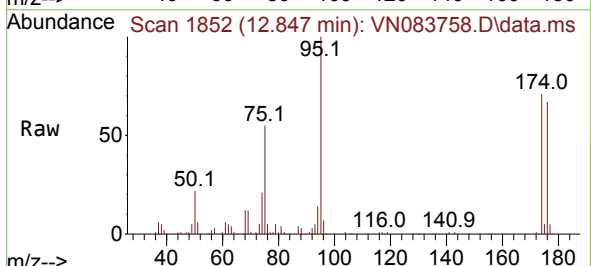
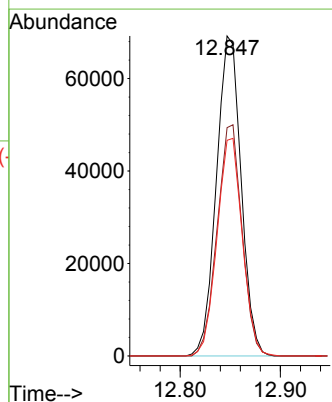


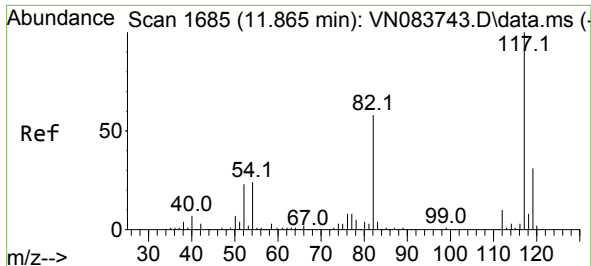
Tgt Ion: 43 Resp: 1499
Ion Ratio Lower Upper
43 100
58 170.8 31.6 47.4#



#62
4-Bromofluorobenzene
Concen: 53.728 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083758.D
Acq: 10 Sep 2024 17:44

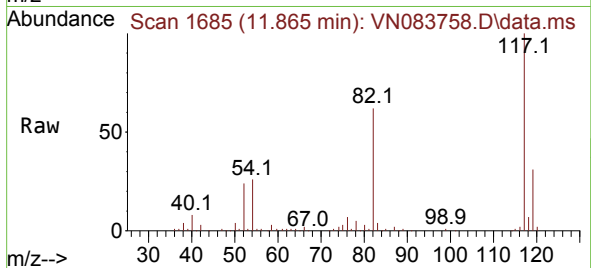
Tgt Ion: 95 Resp: 118521
Ion Ratio Lower Upper
95 100
174 72.5 0.0 139.8
176 69.5 0.0 131.4



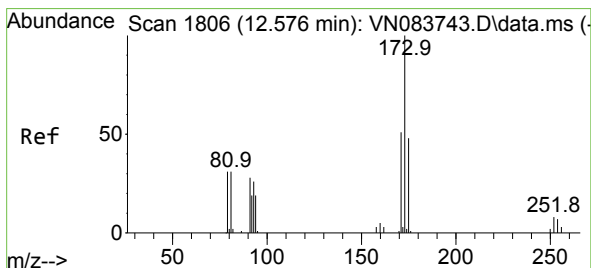
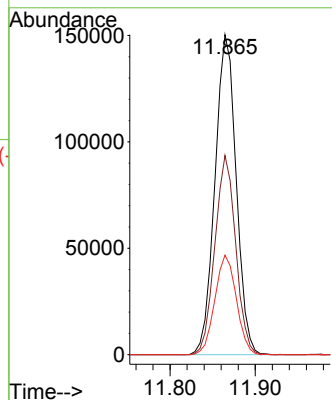
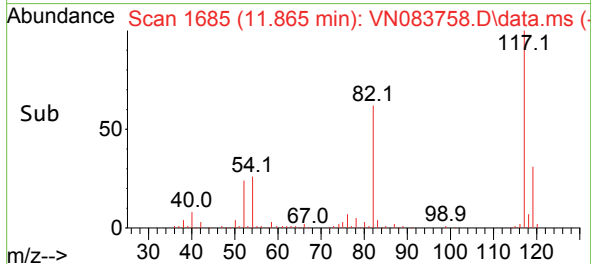


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN083758.D
Acq: 10 Sep 2024 17:44

Instrument :
MSVOA_N
ClientSampleId :

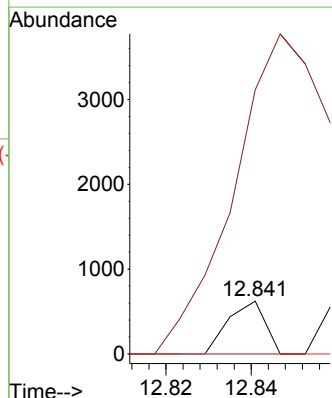
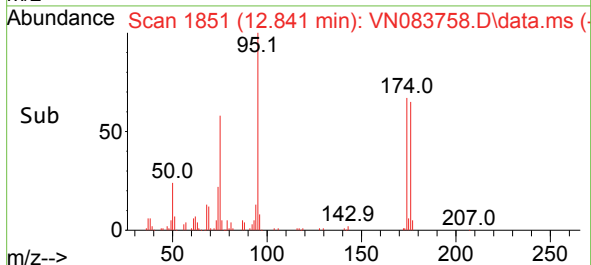
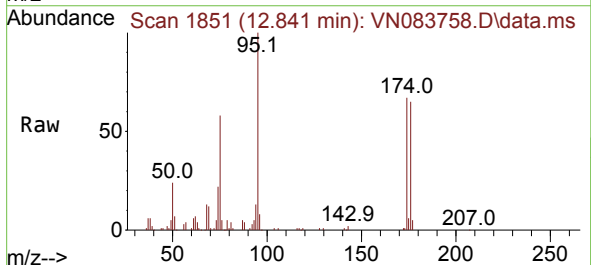


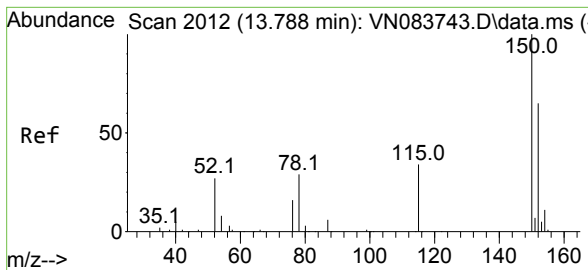
Tgt Ion:117 Resp: 260038
Ion Ratio Lower Upper
117 100
82 62.3 47.4 71.0
119 31.1 26.3 39.5



#71
Bromoform
Concen: 0.278 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN083758.D
Acq: 10 Sep 2024 17:44

Tgt Ion:173 Resp: 375
Ion Ratio Lower Upper
173 100
175 1253.3 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: VN083758.D

Acq: 10 Sep 2024 17:44

Instrument :

MSVOA_N

ClientSampleId :

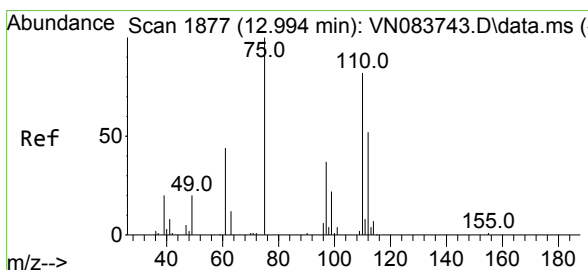
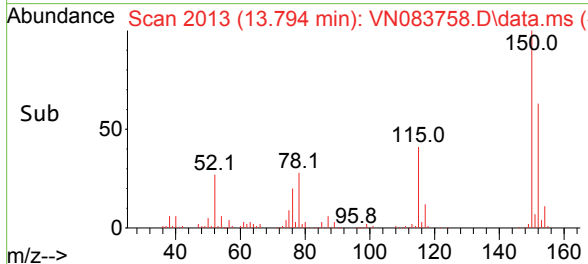
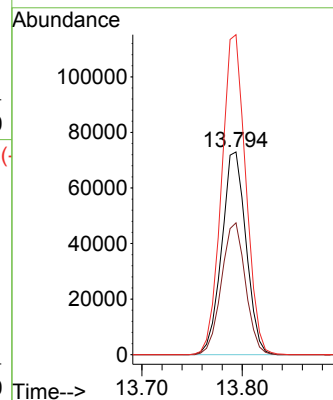
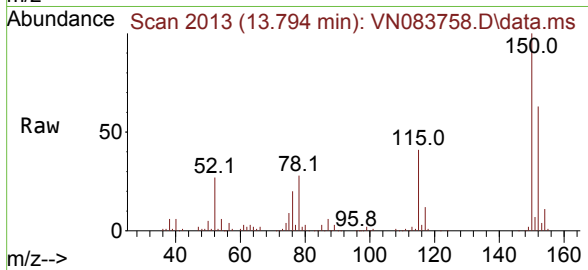
Tgt Ion:152 Resp: 122831

Ion Ratio Lower Upper

152 100

115 64.2 32.2 96.6

150 157.4 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 27.818 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083758.D

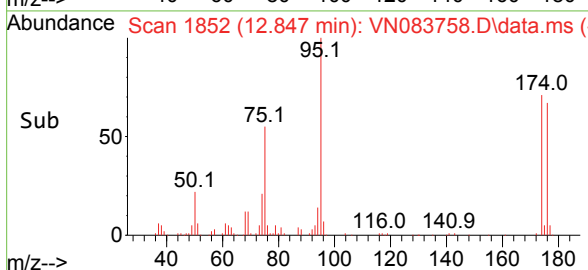
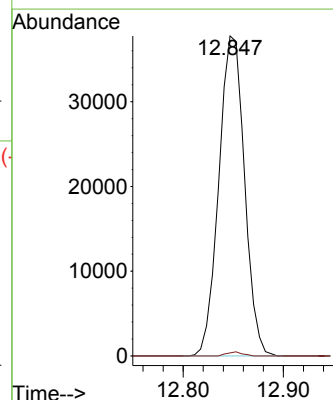
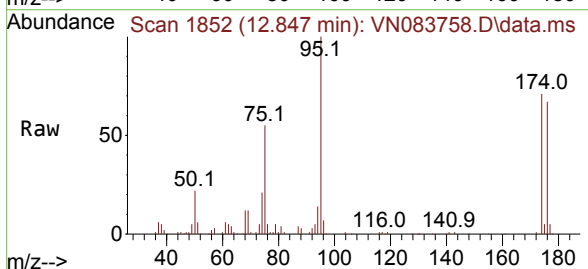
Acq: 10 Sep 2024 17:44

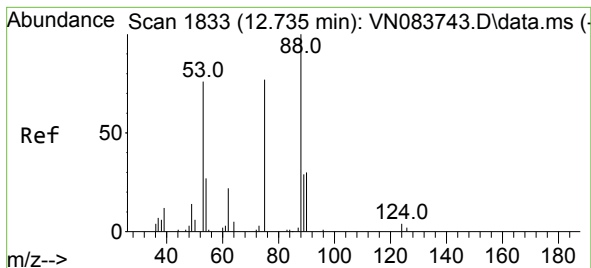
Tgt Ion: 75 Resp: 67246

Ion Ratio Lower Upper

75 100

77 0.8 95.2 285.6#

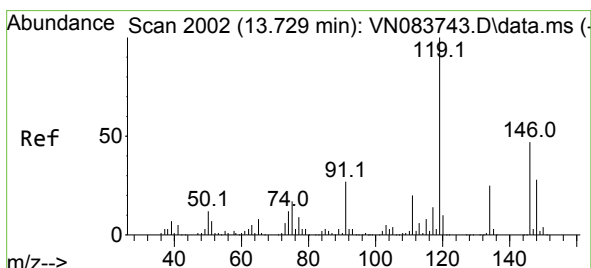
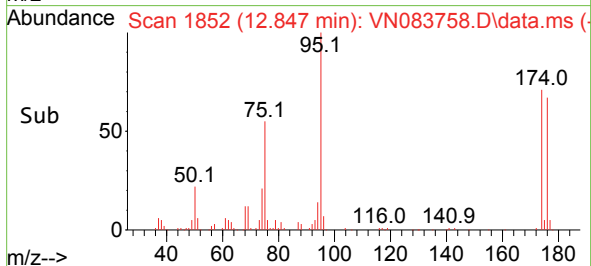
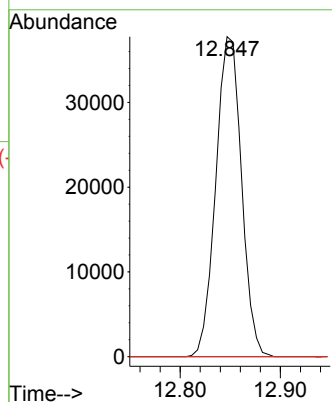
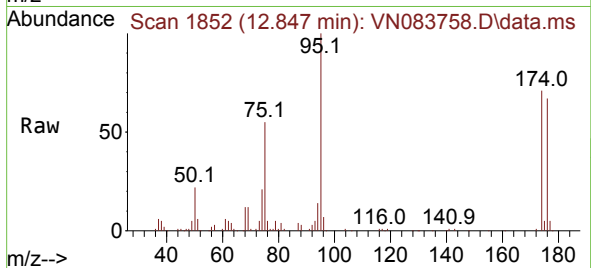




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.060 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN083758.D
 Acq: 10 Sep 2024 17:44

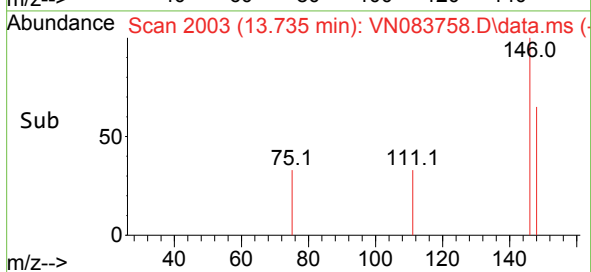
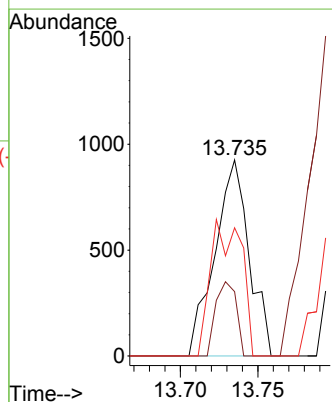
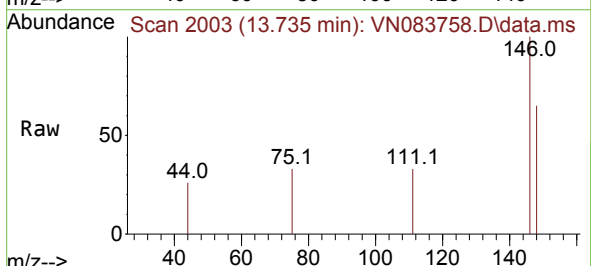
Instrument :
 MSVOA_N
 ClientSampleId :

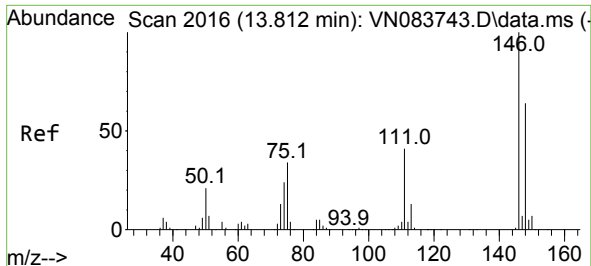
Tgt Ion: 75 Resp: 67246
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.2 121.8#
 89 0.0 35.7 53.5#



#87
 1,3-Dichlorobenzene
 Concen: 0.330 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.006 min
 Lab File: VN083758.D
 Acq: 10 Sep 2024 17:44

Tgt Ion:146 Resp: 1426
 Ion Ratio Lower Upper
 146 100
 111 22.7 21.7 65.1
 148 62.6 31.7 95.1





#88

1,4-Dichlorobenzene

Concen: 0.326 ug/l

RT: 13.735 min Scan# 2016

Delta R.T. -0.077 min

Lab File: VN083758.D

Acq: 10 Sep 2024 17:44

Instrument :

MSVOA_N

ClientSampleId :

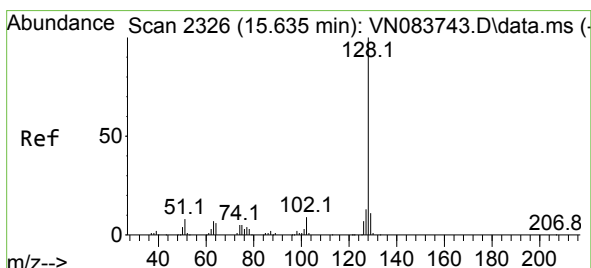
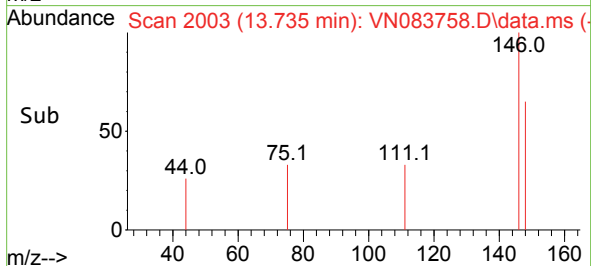
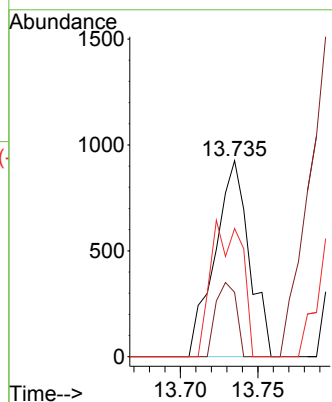
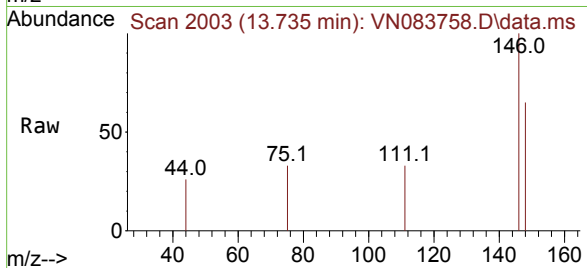
Tgt Ion:146 Resp: 1426

Ion Ratio Lower Upper

146 100

111 22.7 21.3 64.0

148 62.6 32.0 96.2



#95

Naphthalene

Concen: 0.298 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.000 min

Lab File: VN083758.D

Acq: 10 Sep 2024 17:44

Tgt Ion:128 Resp: 2026

Ion Ratio Lower Upper

128 100

127 3.8 10.2 15.2#

129 3.2 8.7 13.1#

