

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122324\
 Data File : VN085288.D
 Acq On : 23 Dec 2024 12:26
 Operator : JC\MD
 Sample : VN1223WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 24 04:06:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

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

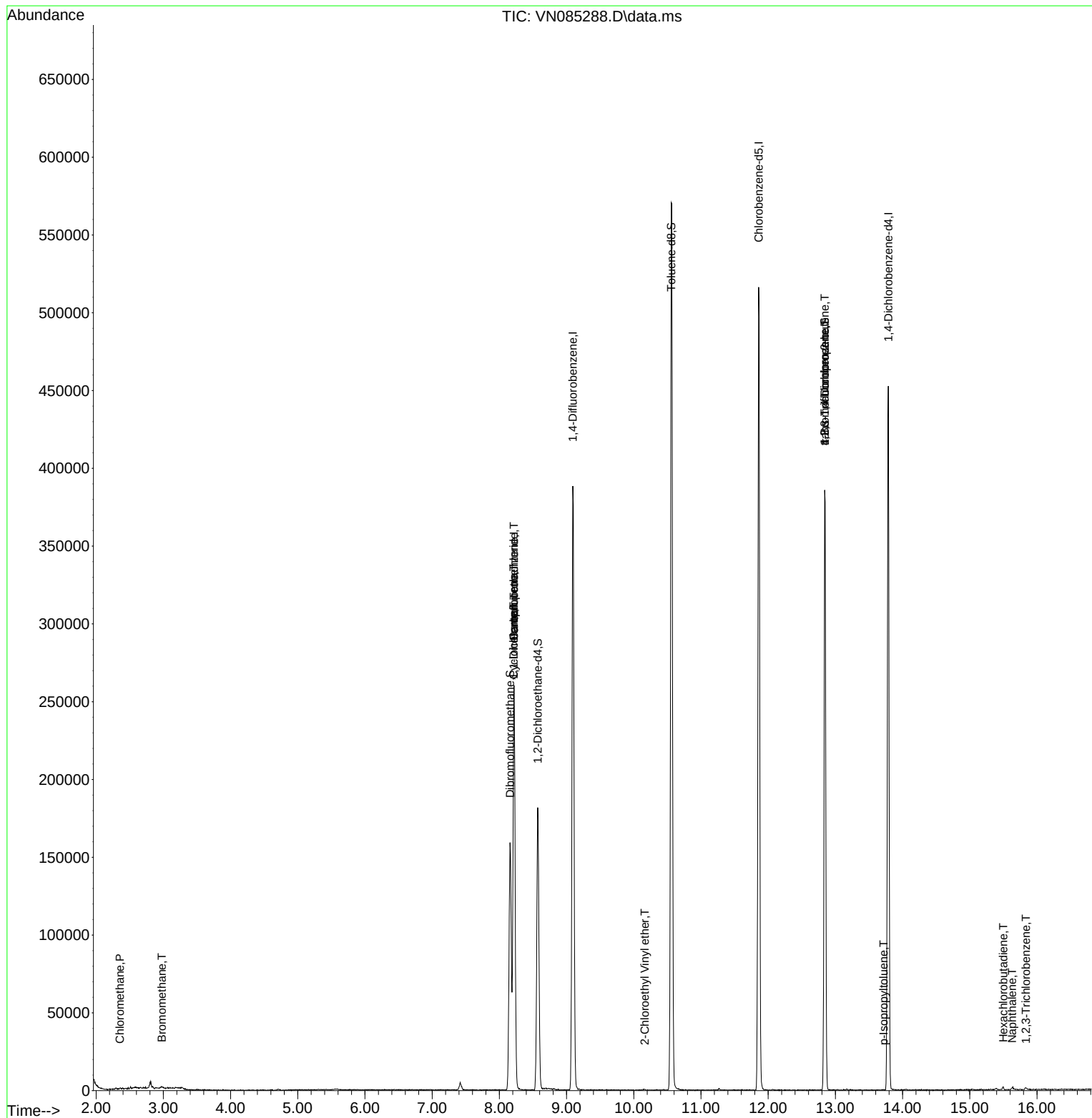
Internal Standards						
1) Pentafluorobenzene	8.218	168	174137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	324722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	277455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	149659	49.171	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.340%		
35) Dibromofluoromethane	8.159	113	112526	49.289	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.580%		
50) Toluene-d8	10.559	98	396960	47.573	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.140%		
62) 4-Bromofluorobenzene	12.841	95	128030	42.958	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	85.920%		
Target Compounds						Qvalue
3) Chloromethane	2.354	50	587	0.222	ug/l #	42
5) Bromomethane	2.977	94	768	0.473	ug/l #	74
6) Chloroethane	3.095	64	120	Below Cal	#	42
31) Cyclohexane	8.212	56	4822	1.225	ug/l #	11
36) 1,1-Dichloropropene	8.212	75	16999	5.347	ug/l #	53
38) Carbon Tetrachloride	8.218	117	19420	5.053	ug/l #	20
58) 2-Chloroethyl Vinyl ether	10.165	63	460	15.704	ug/l #	48
76) 1,2,3-Trichloropropane	12.841	75	72245	26.085	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.841	75	72245	69.265	ug/l #	7
86) p-Isopropyltoluene	13.717	119	139	1.964	ug/l #	50
94) Hexachlorobutadiene	15.500	225	548	0.546	ug/l #	78
95) Naphthalene	15.629	128	2274	0.356	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.835	180	757	0.393	ug/l #	85

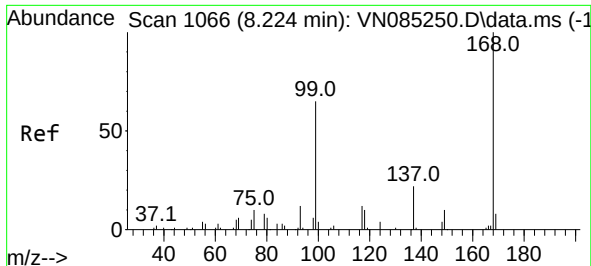
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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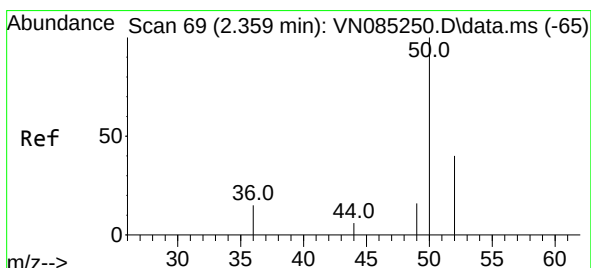
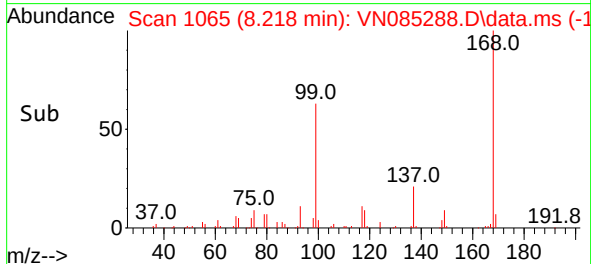
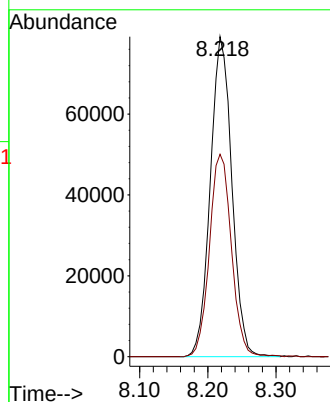
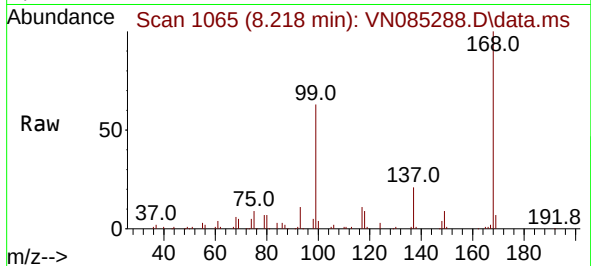




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085288.D
Acq: 23 Dec 2024 12:26

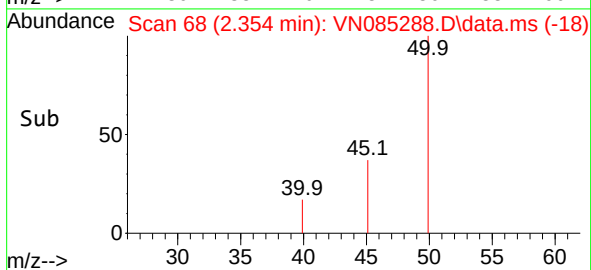
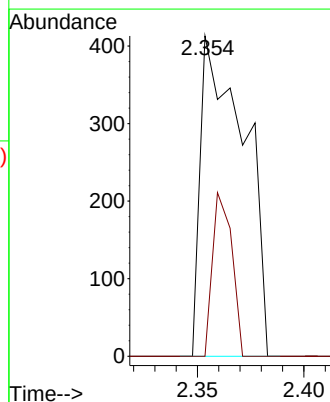
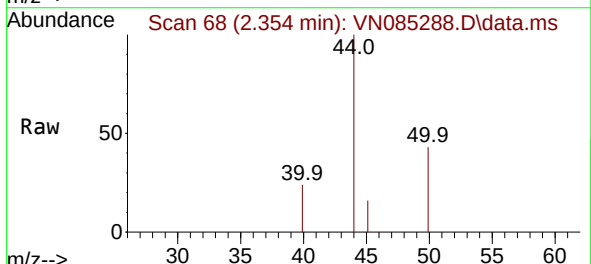
Instrument :
MSVOA_N
ClientSampleId :

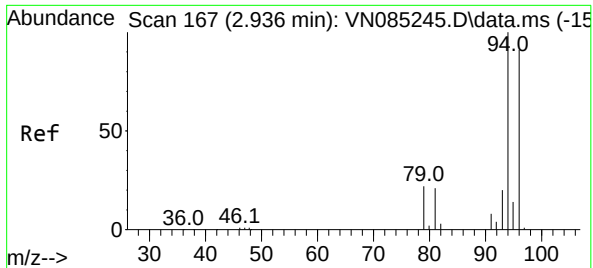
Tgt Ion:168 Resp: 174137
Ion Ratio Lower Upper
168 100
99 63.3 50.7 76.1



#3
Chloromethane
Concen: 0.222 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085288.D
Acq: 23 Dec 2024 12:26

Tgt Ion: 50 Resp: 587
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#

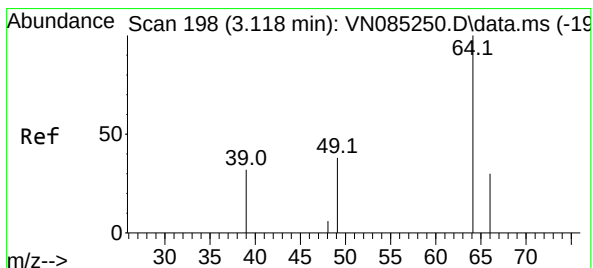
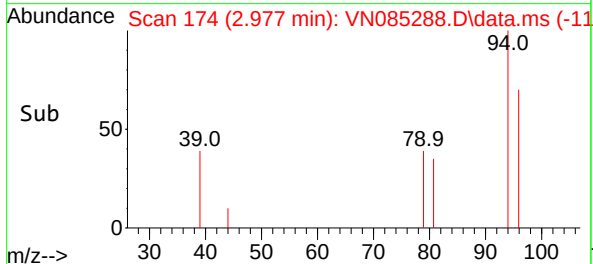
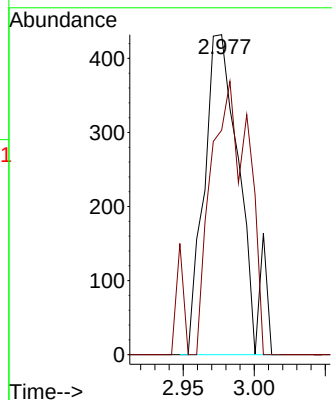
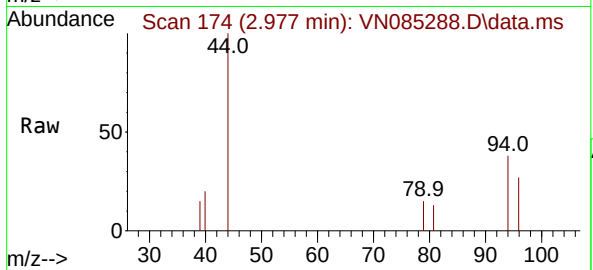




#5
Bromomethane
Concen: 0.473 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN085288.D
Acq: 23 Dec 2024 12:26

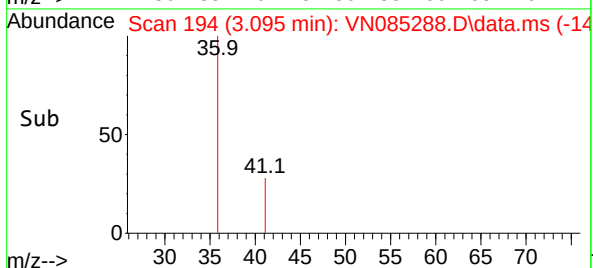
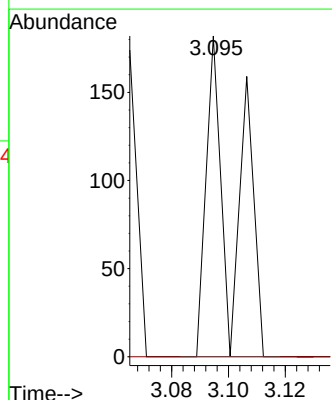
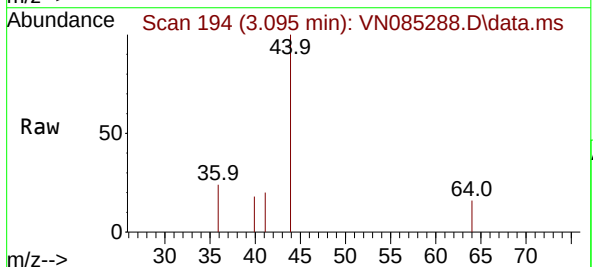
Instrument :
MSVOA_N
ClientSampleId :

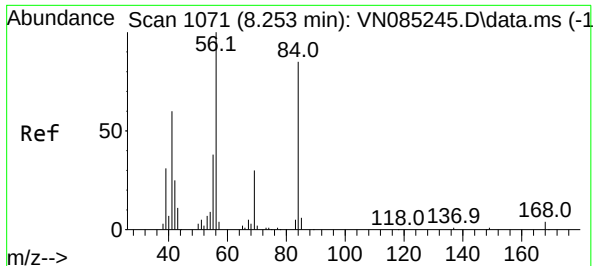
Tgt Ion: 94 Resp: 768
Ion Ratio Lower Upper
94 100
96 70.1 76.8 115.2#



#6
Chloroethane
Concen: Below Cal
RT: 3.095 min Scan# 194
Delta R.T. -0.017 min
Lab File: VN085288.D
Acq: 23 Dec 2024 12:26

Tgt Ion: 64 Resp: 120
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#





#31

Cyclohexane

Concen: 1.225 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.041 min

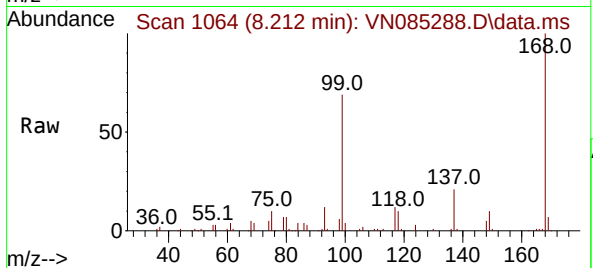
Lab File: VN085288.D

Acq: 23 Dec 2024 12:26

Instrument :

MSVOA_N

ClientSampleId :



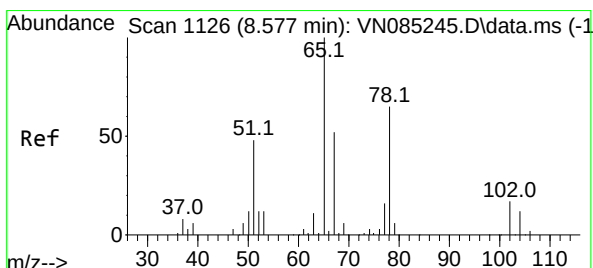
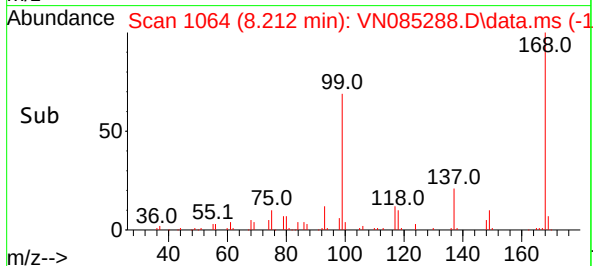
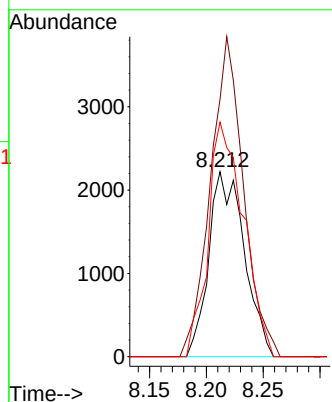
Tgt Ion: 56 Resp: 4822

Ion Ratio Lower Upper

56 100

69 139.2 23.6 35.4#

84 126.8 66.6 99.8#



#33

1,2-Dichloroethane-d4

Concen: 49.171 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN085288.D

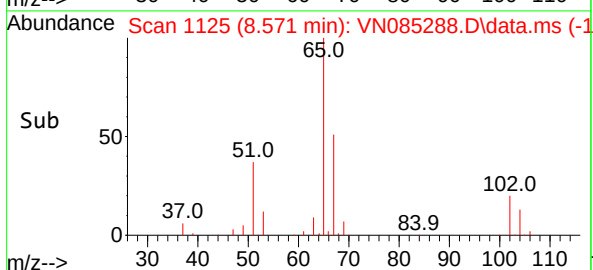
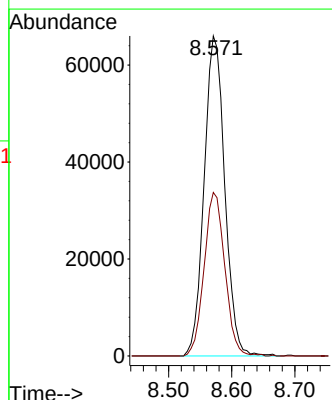
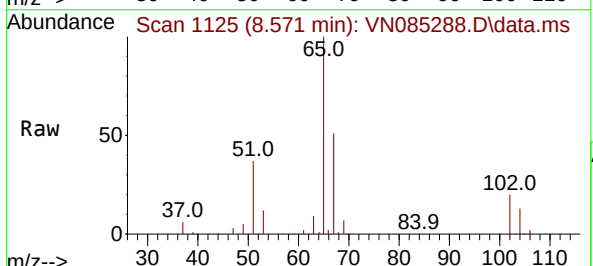
Acq: 23 Dec 2024 12:26

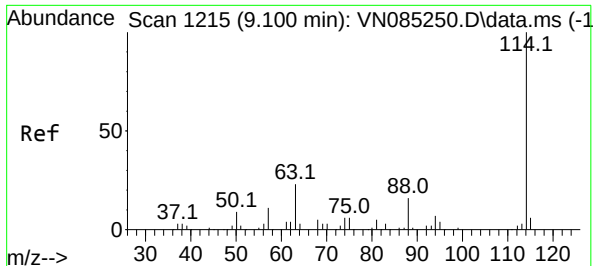
Tgt Ion: 65 Resp: 149659

Ion Ratio Lower Upper

65 100

67 51.3 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN085288.D

Acq: 23 Dec 2024 12:26

Instrument :

MSVOA_N

ClientSampleId :

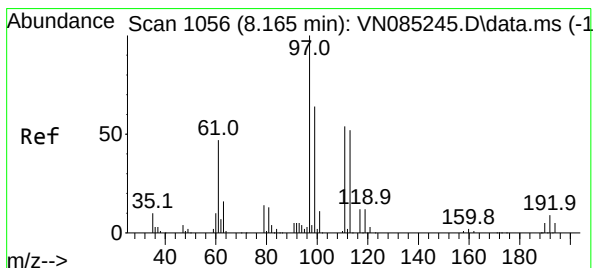
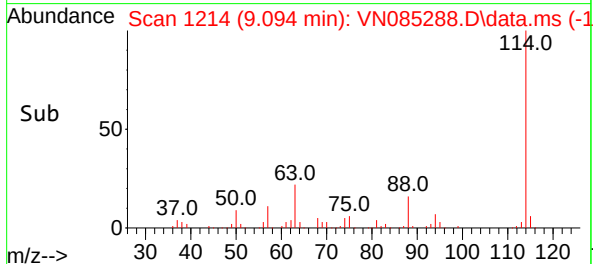
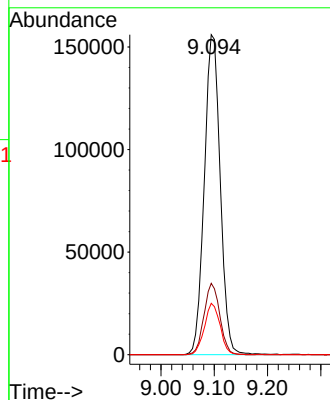
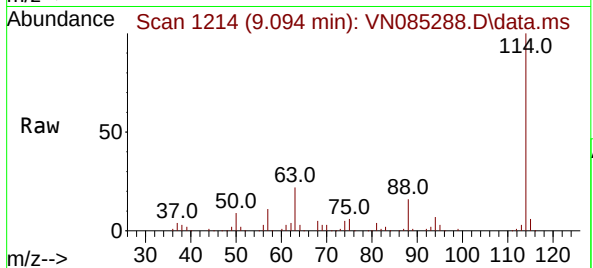
Tgt Ion:114 Resp: 324722

Ion Ratio Lower Upper

114 100

63 22.3 0.0 46.2

88 16.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.289 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN085288.D

Acq: 23 Dec 2024 12:26

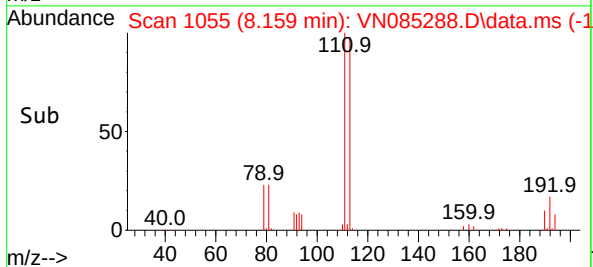
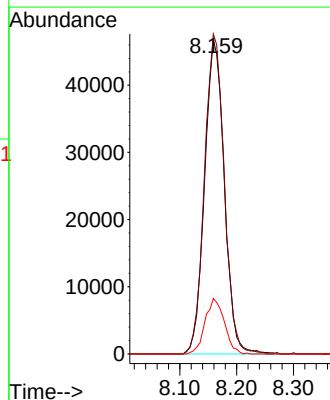
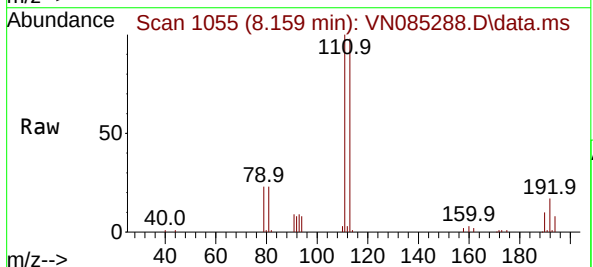
Tgt Ion:113 Resp: 112526

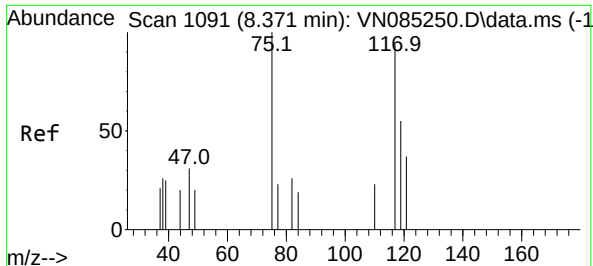
Ion Ratio Lower Upper

113 100

111 102.3 82.1 123.1

192 17.3 13.4 20.0





#36

1,1-Dichloropropene

Concen: 5.347 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.153 min

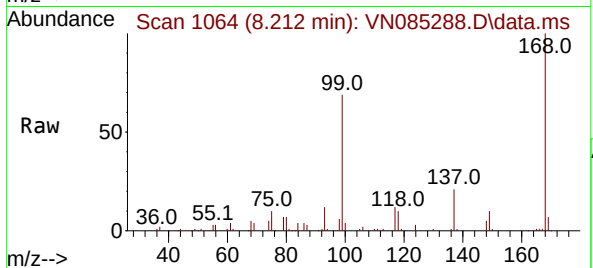
Lab File: VN085288.D

Acq: 23 Dec 2024 12:26

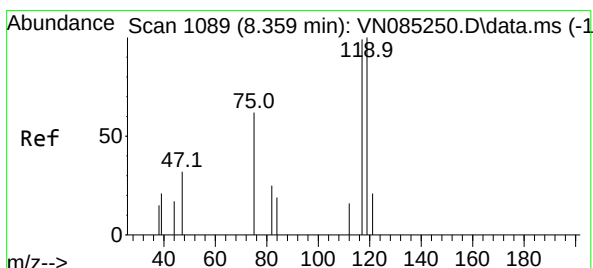
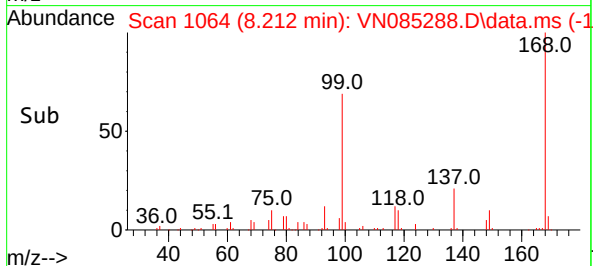
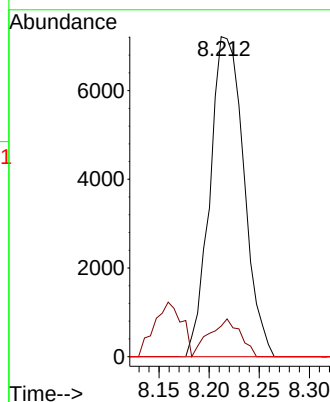
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	16999
Ion Ratio	Lower	Upper	
75	100		
110	10.2	16.0	48.0#
77	0.0	24.6	36.8#



#38

Carbon Tetrachloride

Concen: 5.053 ug/l

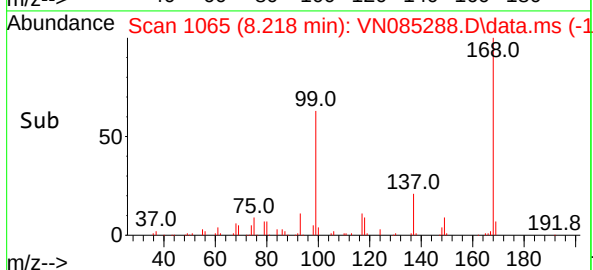
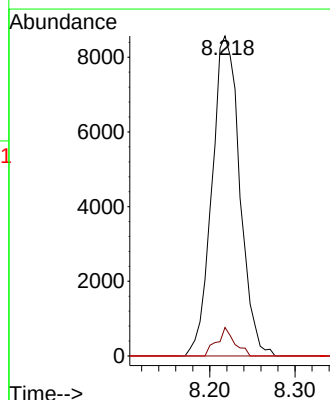
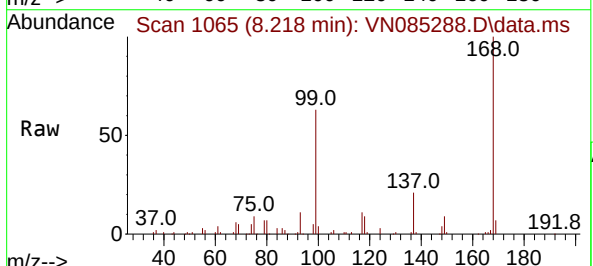
RT: 8.218 min Scan# 1065

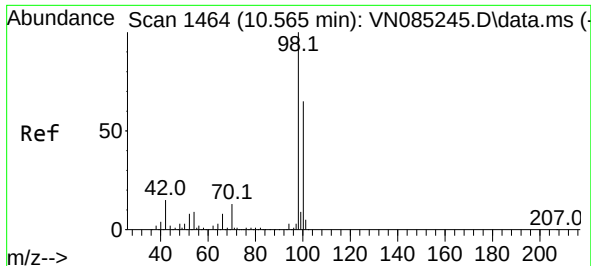
Delta R.T. -0.141 min

Lab File: VN085288.D

Acq: 23 Dec 2024 12:26

Tgt Ion:	117	Resp:	19420
Ion Ratio	Lower	Upper	
117	100		
119	8.9	74.8	112.2#
121	0.0	24.2	36.4#

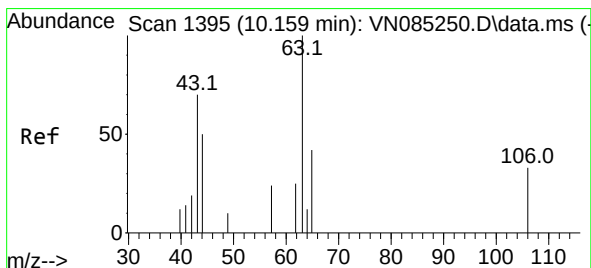
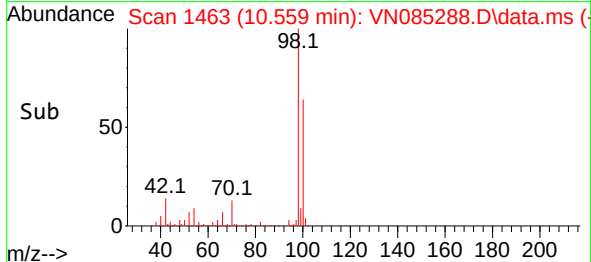
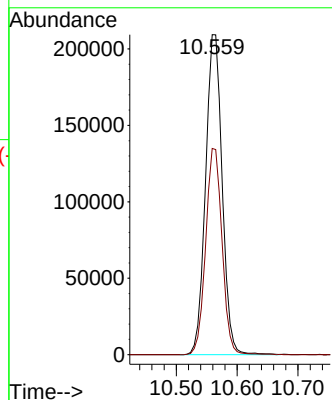
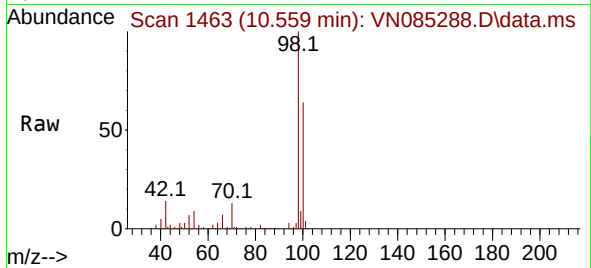




#50
Toluene-d8
Concen: 47.573 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN085288.D
Acq: 23 Dec 2024 12:26

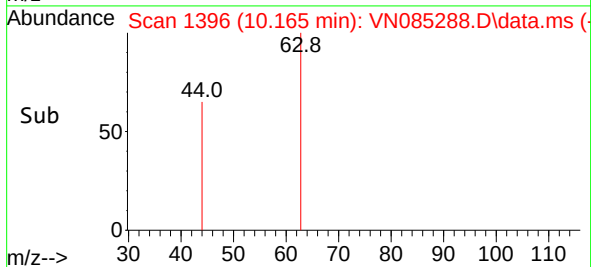
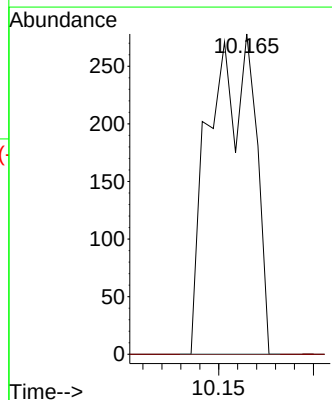
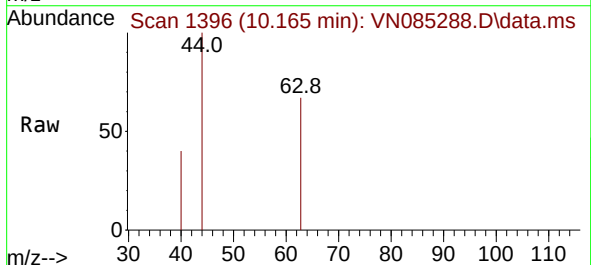
Instrument :
MSVOA_N
ClientSampleId :

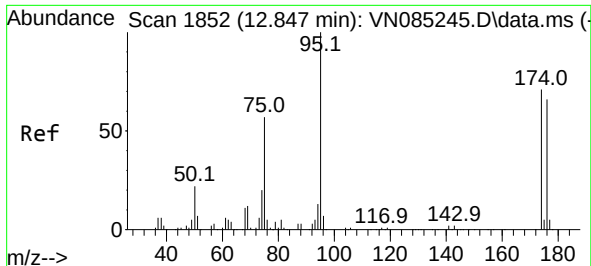
Tgt Ion: 98 Resp: 396960
Ion Ratio Lower Upper
98 100
100 63.4 51.6 77.4



#58
2-Chloroethyl Vinyl ether
Concen: 15.704 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.006 min
Lab File: VN085288.D
Acq: 23 Dec 2024 12:26

Tgt Ion: 63 Resp: 460
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#

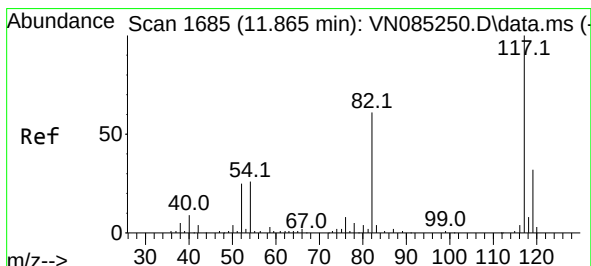
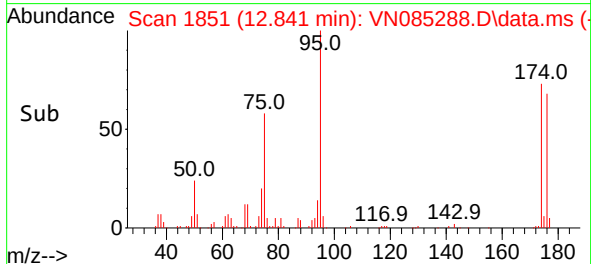
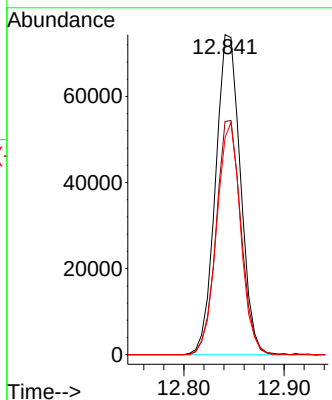
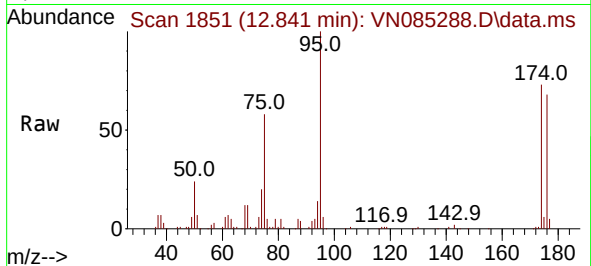




#62
4-Bromofluorobenzene
Concen: 42.958 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VN085288.D
Acq: 23 Dec 2024 12:26

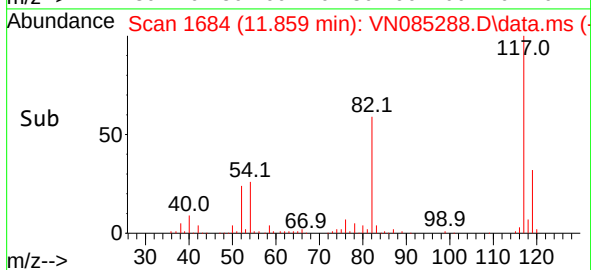
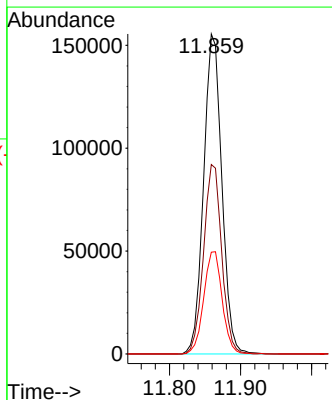
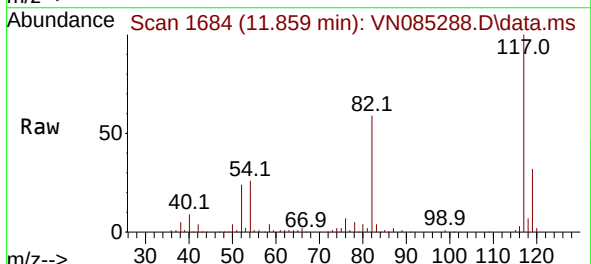
Instrument :
MSVOA_N
ClientSampleId :

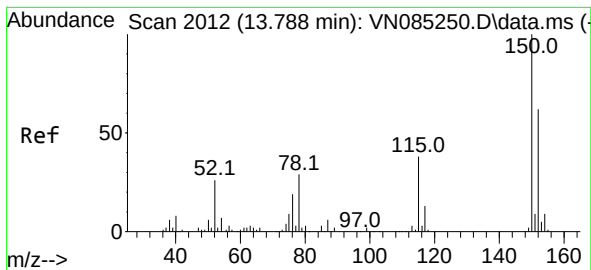
Tgt Ion: 95 Resp: 128030
Ion Ratio Lower Upper
95 100
174 73.2 0.0 144.4
176 69.7 0.0 136.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN085288.D
Acq: 23 Dec 2024 12:26

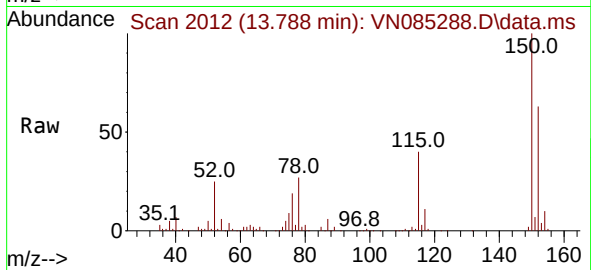
Tgt Ion:117 Resp: 277455
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.2
119 31.8 25.6 38.4



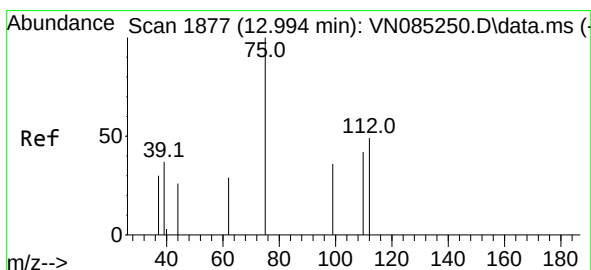
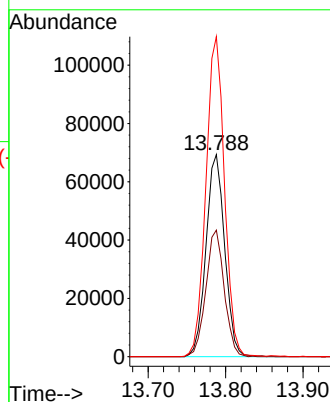
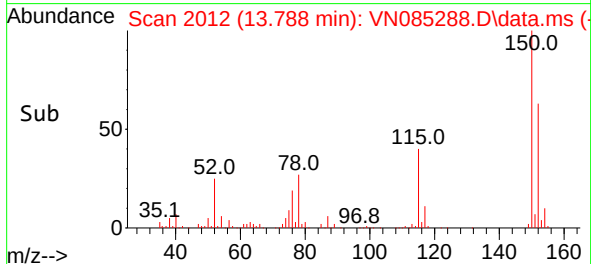


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085288.D
Acq: 23 Dec 2024 12:26

Instrument :
MSVOA_N
ClientSampleId :

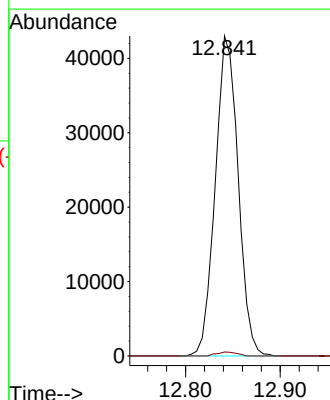
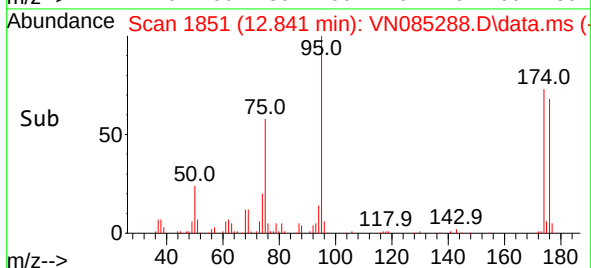
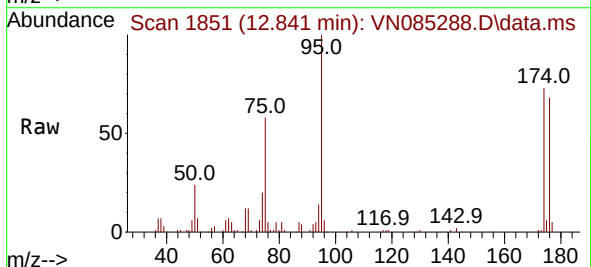


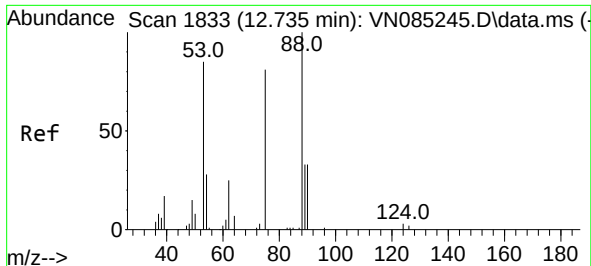
Tgt Ion:152 Resp: 116189
Ion Ratio Lower Upper
152 100
115 61.5 32.1 96.3
150 156.7 0.0 354.6



#76
1,2,3-Trichloropropane
Concen: 26.085 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.153 min
Lab File: VN085288.D
Acq: 23 Dec 2024 12:26

Tgt Ion: 75 Resp: 72245
Ion Ratio Lower Upper
75 100
77 1.1 102.6 307.7#

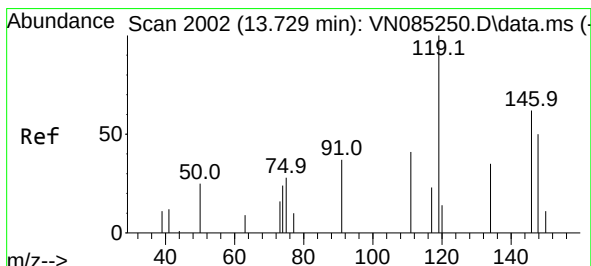
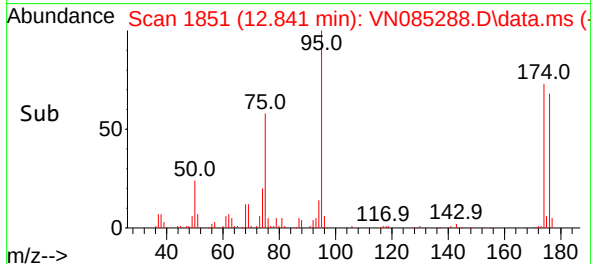
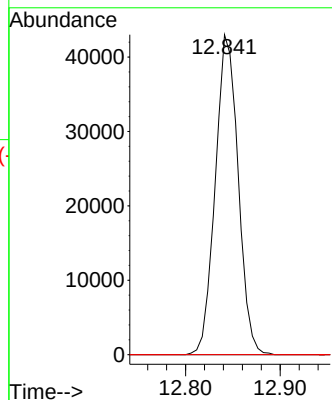
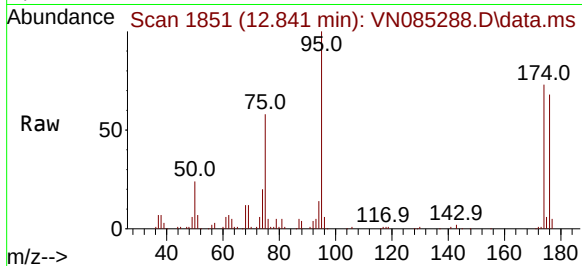




#81
trans-1,4-Dichloro-2-butene
Concen: 69.265 ug/l
RT: 12.841 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN085288.D
Acq: 23 Dec 2024 12:26

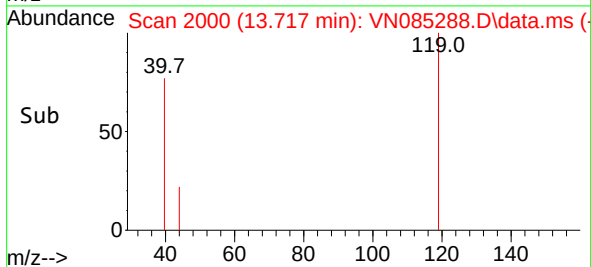
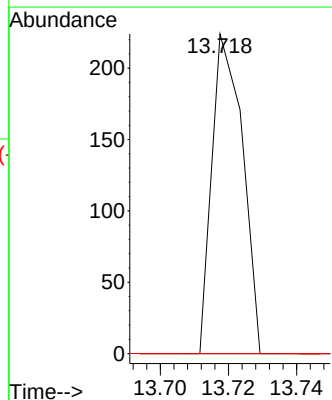
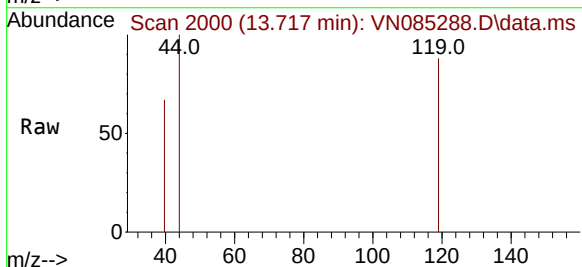
Instrument :
MSVOA_N
ClientSampleId :

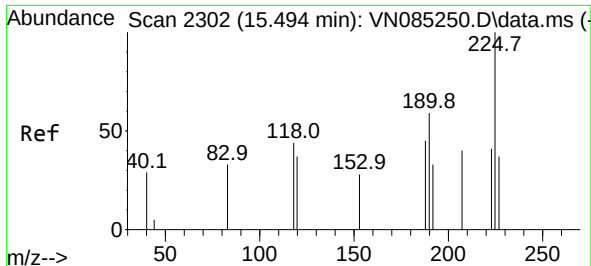
Tgt Ion: 75 Resp: 72245
Ion Ratio Lower Upper
75 100
53 0.0 84.9 127.3#
89 0.0 37.9 56.9#



#86
p-Isopropyltoluene
Concen: 1.964 ug/l
RT: 13.717 min Scan# 2000
Delta R.T. -0.012 min
Lab File: VN085288.D
Acq: 23 Dec 2024 12:26

Tgt Ion: 119 Resp: 139
Ion Ratio Lower Upper
119 100
134 0.0 12.5 37.5#
91 0.0 13.0 38.9#

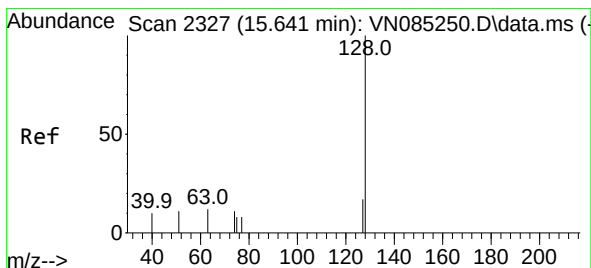
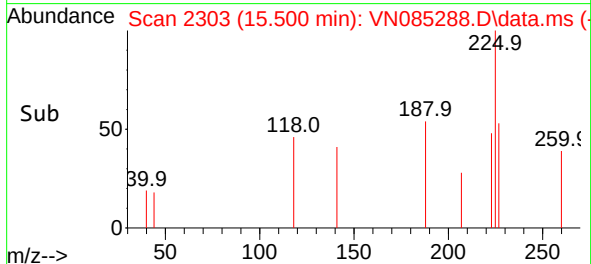
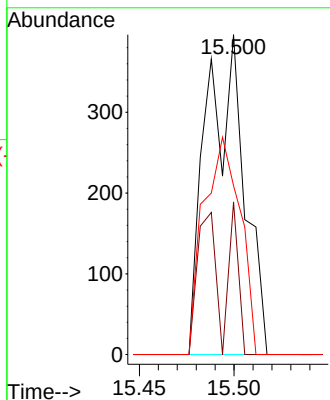
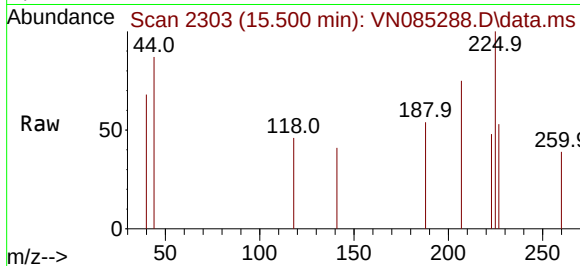




#94
Hexachlorobutadiene
Concen: 0.546 ug/l
RT: 15.500 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN085288.D
Acq: 23 Dec 2024 12:26

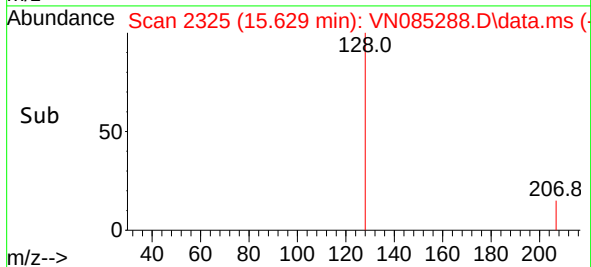
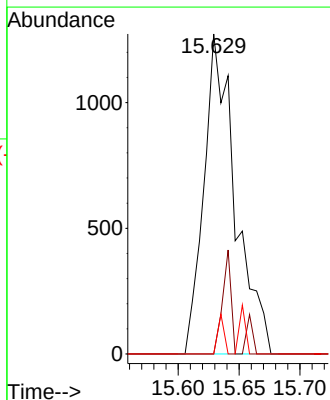
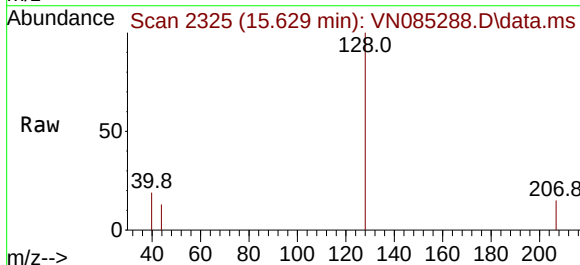
Instrument :
MSVOA_N
ClientSampleId :

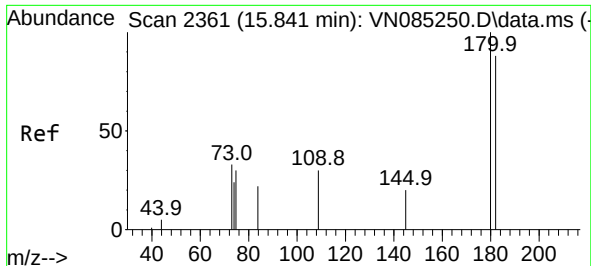
Tgt Ion	Ratio	Lower	Upper
225	100		
223	33.8	34.1	102.2#
227	65.9	33.2	99.6



#95
Naphthalene
Concen: 0.356 ug/l
RT: 15.629 min Scan# 2325
Delta R.T. -0.012 min
Lab File: VN085288.D
Acq: 23 Dec 2024 12:26

Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.9	10.3	15.5#
129	2.5	8.6	13.0#





#96

1,2,3-Trichlorobenzene

Concen: 0.393 ug/l

RT: 15.835 min Scan# 21

Delta R.T. -0.000 min

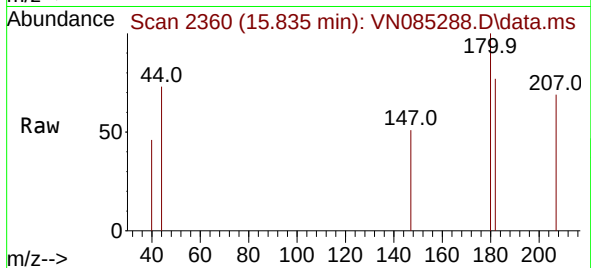
Lab File: VN085288.D

Acq: 23 Dec 2024 12:26

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 757

Ion Ratio Lower Upper

180 100

182 90.1 46.9 140.6

145 8.3 17.6 52.8#

