

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122324\
 Data File : VN085287.D
 Acq On : 23 Dec 2024 12:02
 Operator : JC\MD
 Sample : VN1223MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 24 04:06:08 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)

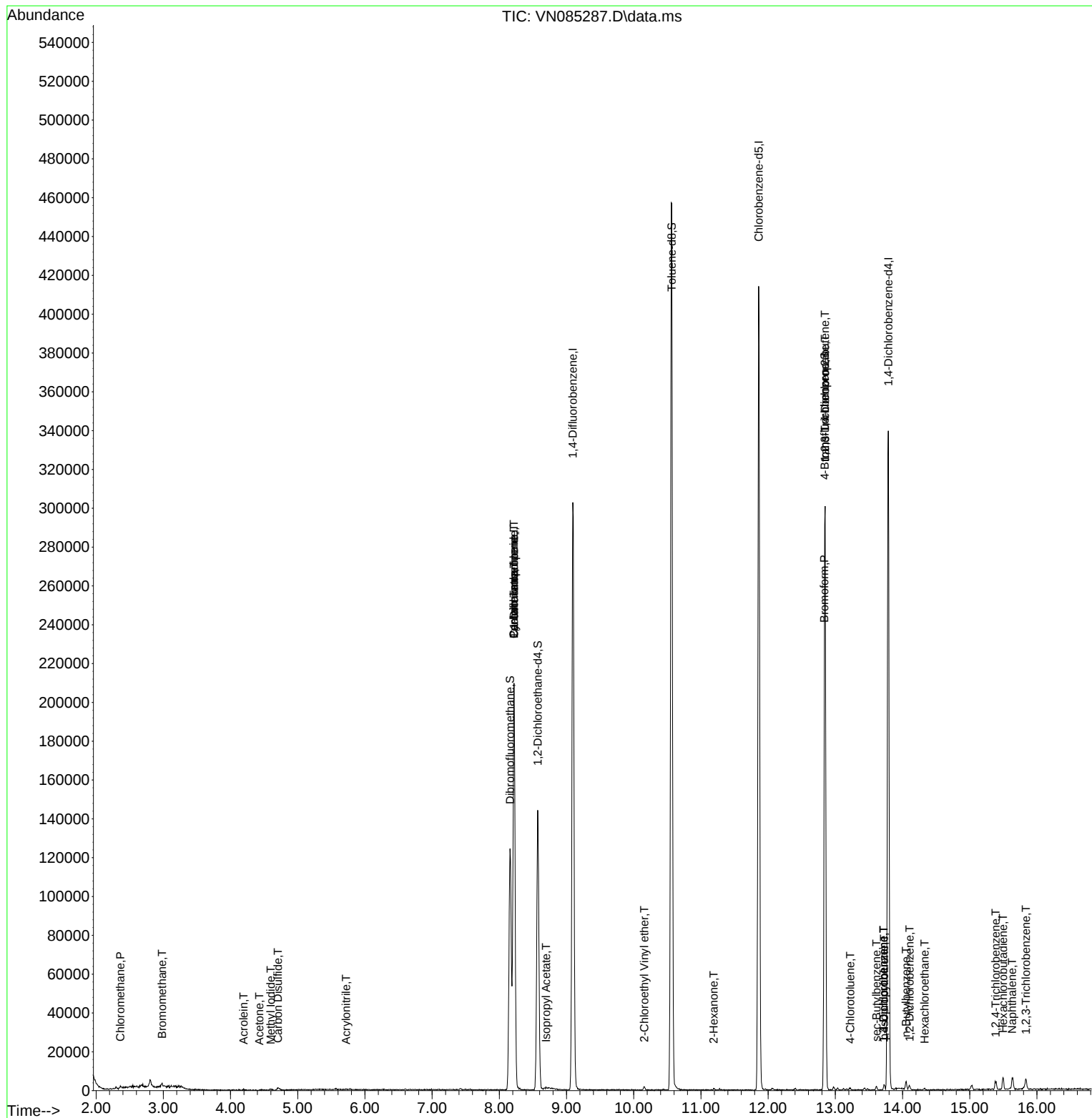
Internal Standards						
1) Pentafluorobenzene	8.218	168	141668	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	254442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	222830	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	88305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	118343	47.793	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.580%		
35) Dibromofluoromethane	8.159	113	90502	50.592	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.180%		
50) Toluene-d8	10.565	98	313332	47.923	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.840%		
62) 4-Bromofluorobenzene	12.841	95	101567	43.492	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	86.980%		
Target Compounds						Qvalue
3) Chloromethane	2.360	50	726	0.337	ug/l	93
5) Bromomethane	2.983	94	1044	0.790	ug/l	84
6) Chloroethane	3.118	64	54	Below Cal	#	42
10) Methyl Iodide	4.601	142	1176	0.591	ug/l #	83
13) Acrolein	4.195	56	186	0.470	ug/l #	72
15) Acrylonitrile	5.718	53	360	0.384	ug/l #	17
16) Acetone	4.430	43	320	0.374	ug/l #	49
17) Carbon Disulfide	4.706	76	2910	0.527	ug/l #	83
31) Cyclohexane	8.218	56	3890	1.214	ug/l #	21
36) 1,1-Dichloropropene	8.218	75	13274	5.329	ug/l #	50
38) Carbon Tetrachloride	8.218	117	15275	5.072	ug/l #	17
43) Isopropyl Acetate	8.694	43	1071	0.204	ug/l #	58
58) 2-Chloroethyl Vinyl ether	10.159	63	900	16.026	ug/l #	77
59) 2-Hexanone	11.188	43	629	0.320	ug/l	98
71) Bromoform	12.835	173	978	0.714	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	55393	26.316	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	55393	69.878	ug/l #	7
82) 4-Chlorotoluene	13.224	91	1084	0.216	ug/l #	62
85) sec-Butylbenzene	13.612	105	1785	0.284	ug/l	85
86) p-Isopropyltoluene	13.723	119	1028	2.109	ug/l #	67
87) 1,3-Dichlorobenzene	13.718	146	791	0.257	ug/l	77
88) 1,4-Dichlorobenzene	13.718	146	791	0.248	ug/l	76
89) n-Butylbenzene	14.053	91	2869	0.621	ug/l	92
90) Hexachloroethane	14.329	117	299	0.259	ug/l #	18
91) 1,2-Dichlorobenzene	14.106	146	1156	0.404	ug/l	84
93) 1,2,4-Trichlorobenzene	15.388	180	2032	1.386	ug/l	93
94) Hexachlorobutadiene	15.494	225	1524	2.000	ug/l	84
95) Naphthalene	15.629	128	7025	1.447	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	3260	2.226	ug/l	90

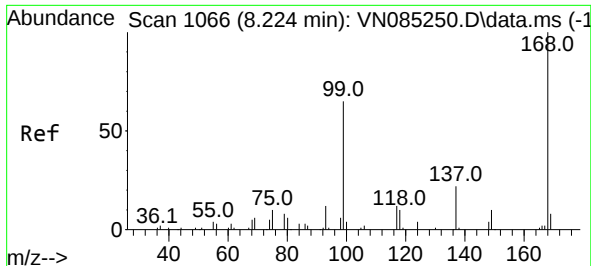
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122324\
Data File : VN085287.D
Acq On : 23 Dec 2024 12:02
Operator : JC\MD
Sample : VN1223MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

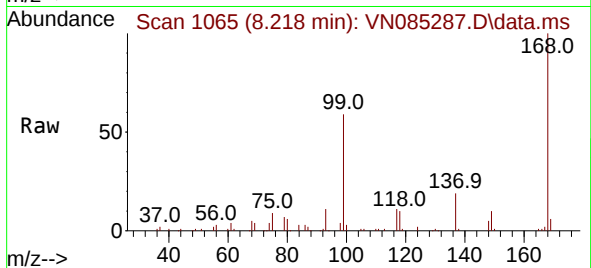
Quant Time: Dec 24 04:06:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 06:31:00 2024
Response via : Initial Calibration



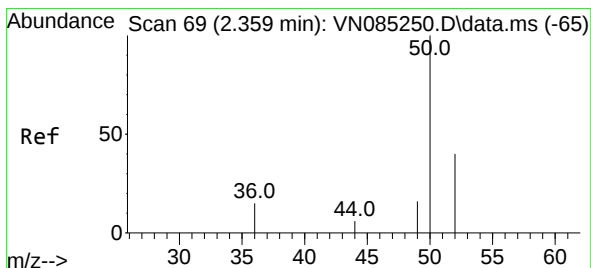
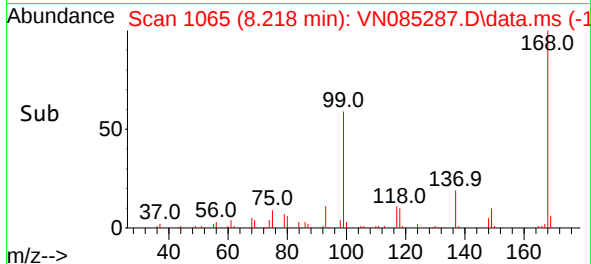
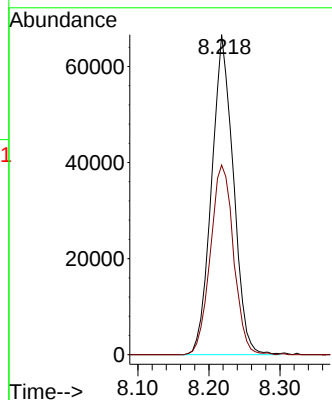


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

Instrument :
MSVOA_N
ClientSampleId :

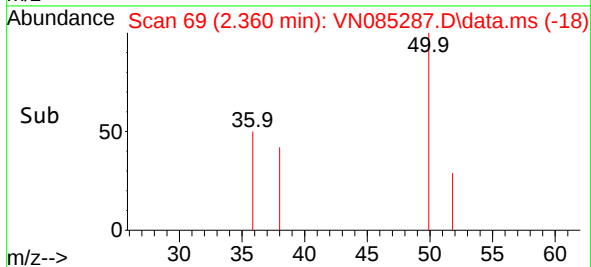
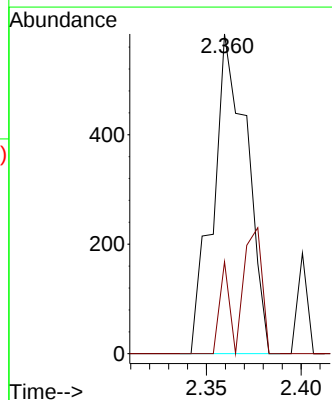
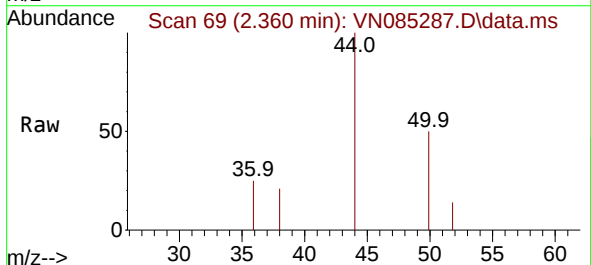


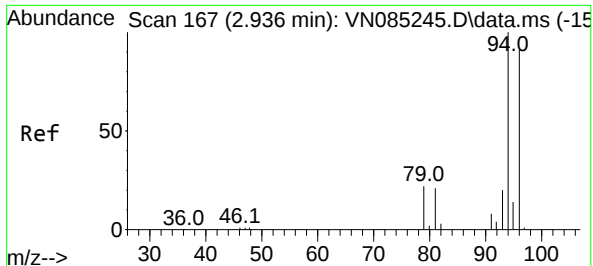
Tgt Ion:168 Resp: 141668
Ion Ratio Lower Upper
168 100
99 59.3 50.7 76.1



#3
Chloromethane
Concen: 0.337 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

Tgt Ion: 50 Resp: 726
Ion Ratio Lower Upper
50 100
52 28.8 26.2 39.2

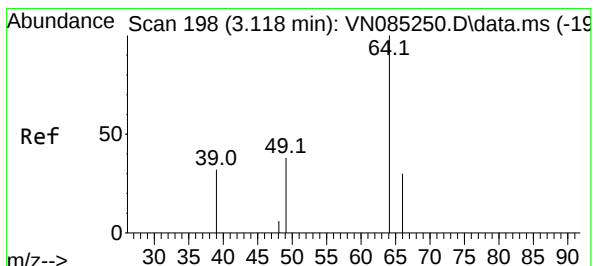
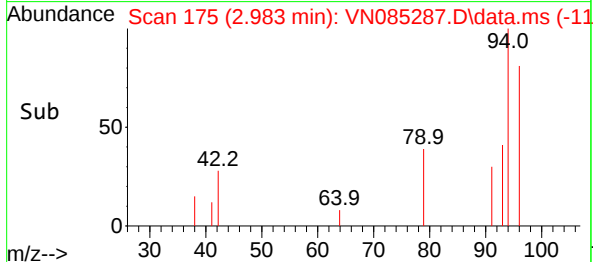
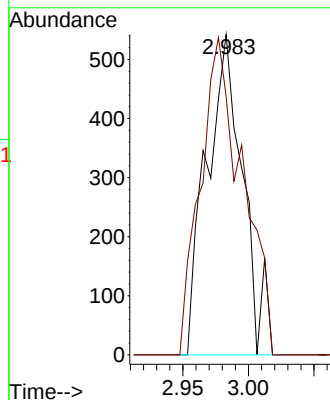
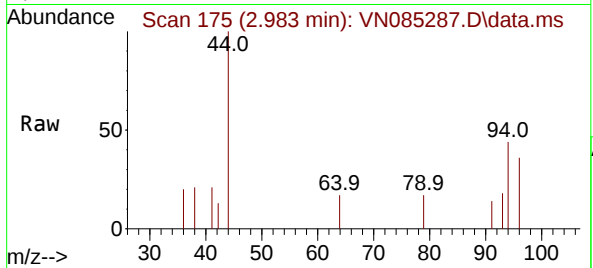




#5
Bromomethane
Concen: 0.790 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

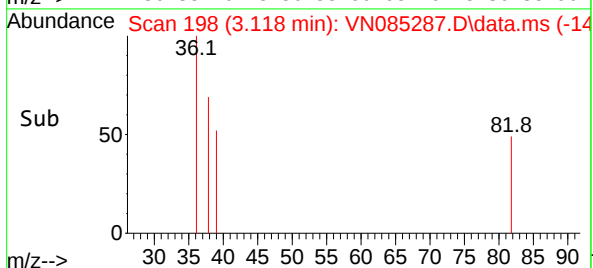
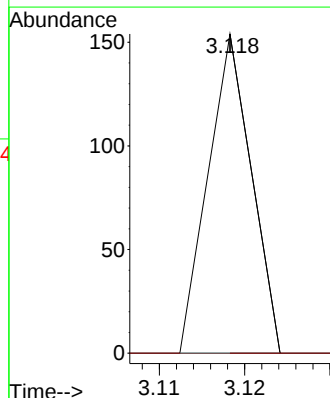
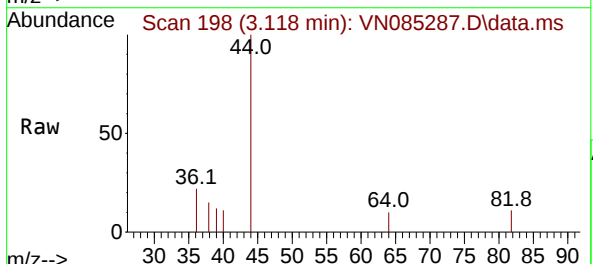
Instrument :
MSVOA_N
ClientSampleId :

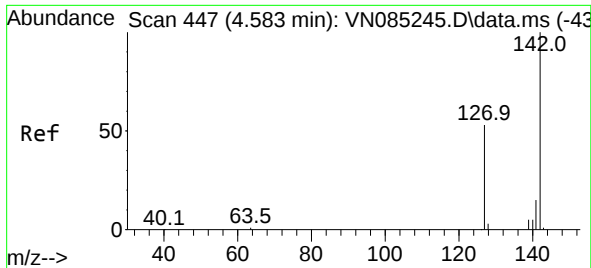
Tgt Ion: 94 Resp: 1044
Ion Ratio Lower Upper
94 100
96 80.8 76.8 115.2



#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

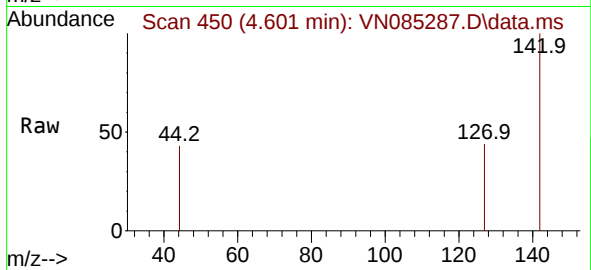
Tgt Ion: 64 Resp: 54
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



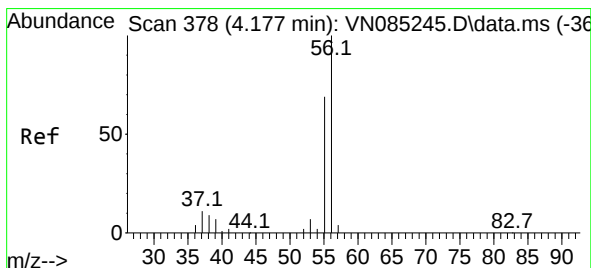
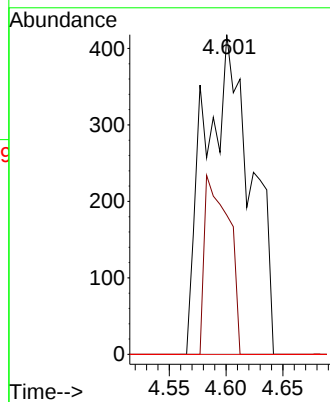
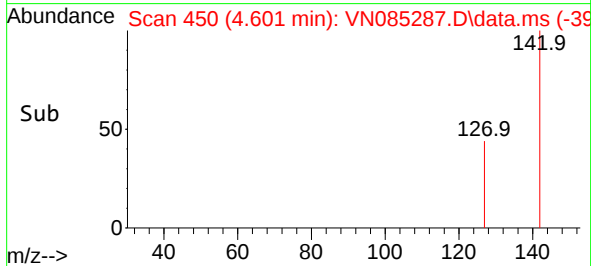


#10
Methyl Iodide
Concen: 0.591 ug/l
RT: 4.601 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

Instrument :
MSVOA_N
ClientSampleId :

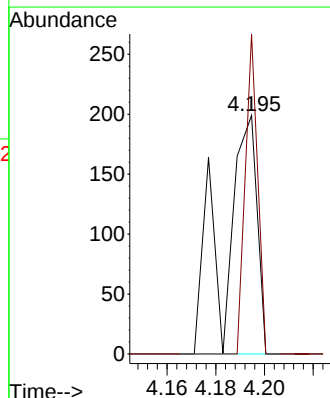
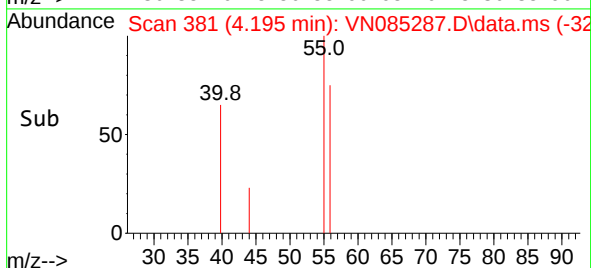
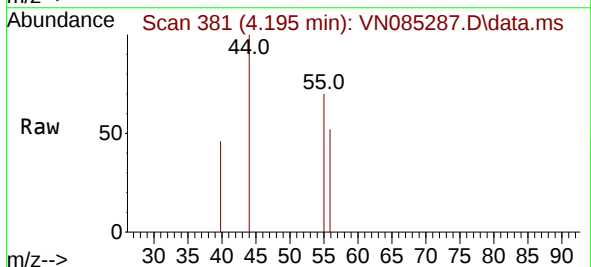


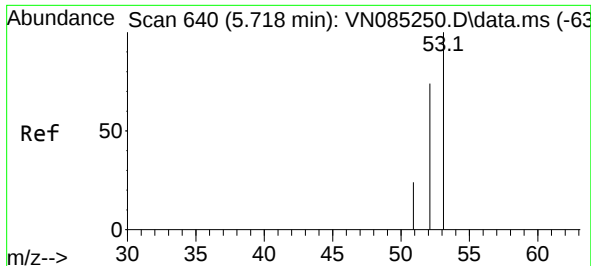
Tgt Ion:142 Resp: 1176
Ion Ratio Lower Upper
142 100
127 43.5 42.5 63.7
141 0.0 10.2 15.4#



#13
Acrolein
Concen: 0.470 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

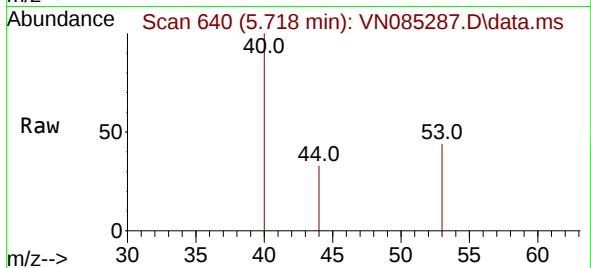
Tgt Ion: 56 Resp: 186
Ion Ratio Lower Upper
56 100
55 50.5 59.0 88.6#



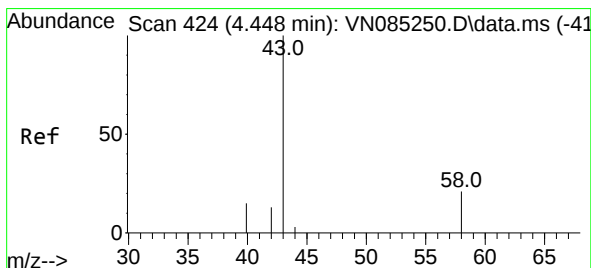
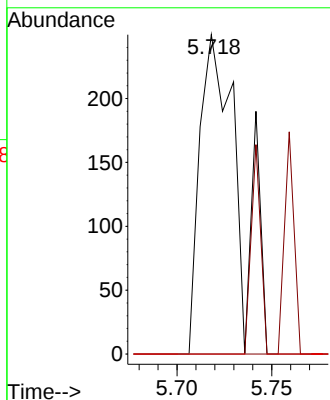
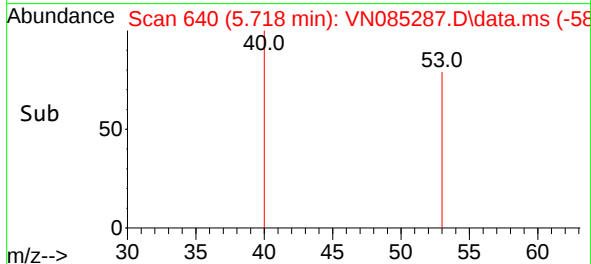


#15
Acrylonitrile
Concen: 0.384 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

Instrument :
MSVOA_N
ClientSampleId :

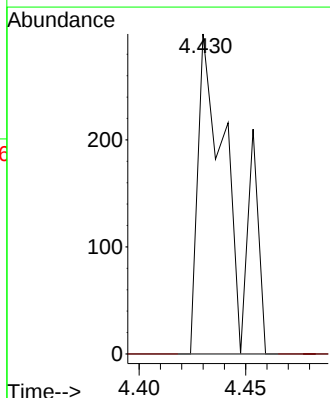
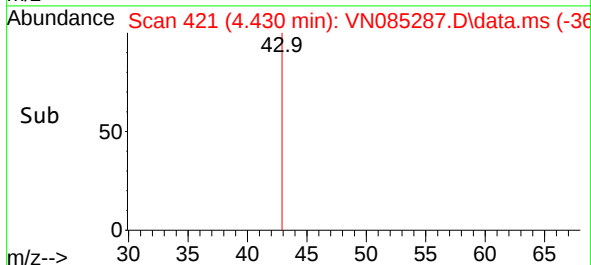
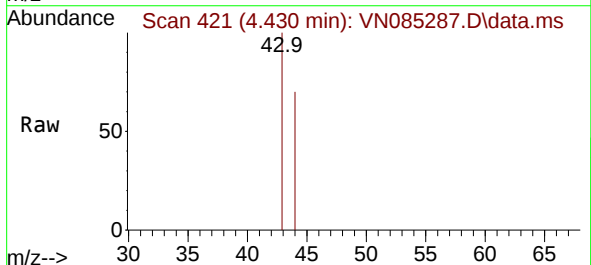


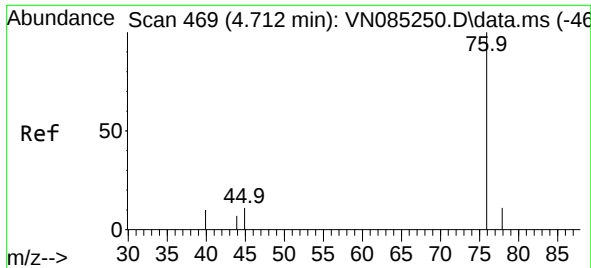
Tgt Ion: 53 Resp: 360
Ion Ratio Lower Upper
53 100
52 0.0 66.3 99.5#
51 0.0 28.2 42.2#



#16
Acetone
Concen: 0.374 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

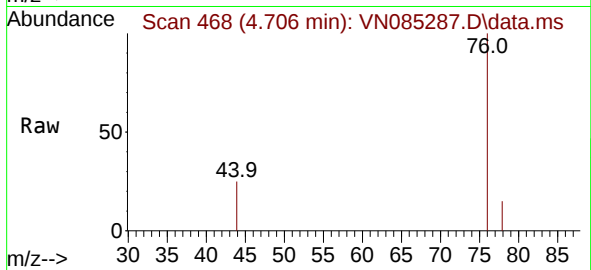
Tgt Ion: 43 Resp: 320
Ion Ratio Lower Upper
43 100
58 0.0 20.8 31.2#



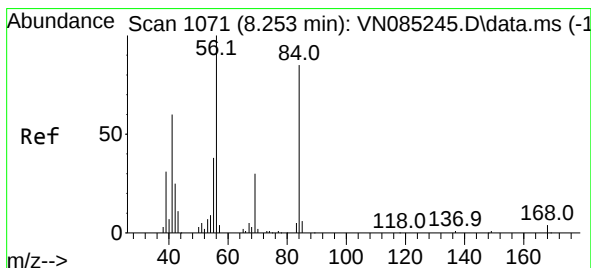
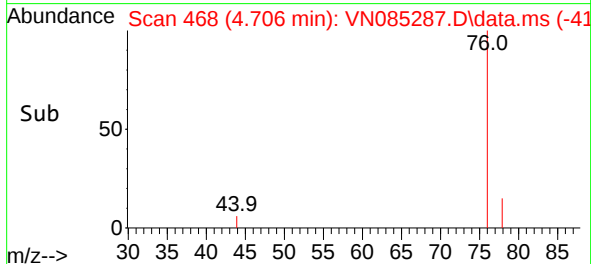
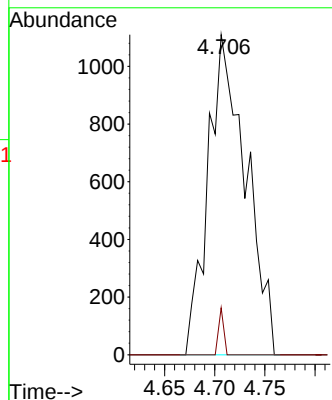


#17
Carbon Disulfide
Concen: 0.527 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

Instrument :
MSVOA_N
ClientSampleId :

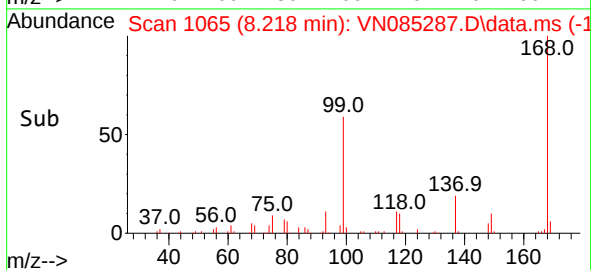
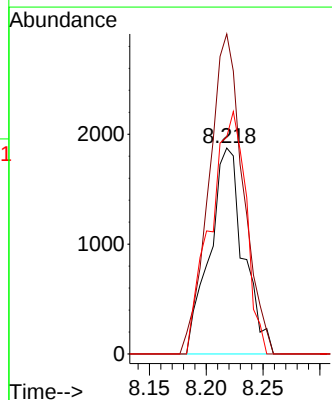
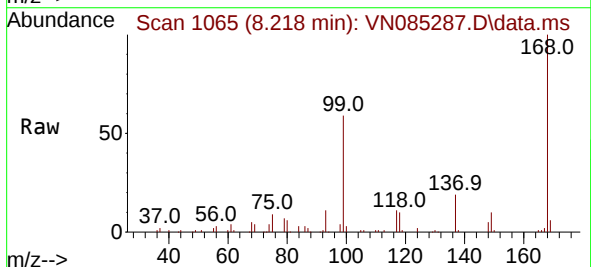


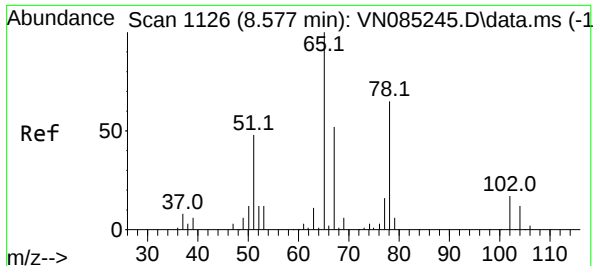
Tgt Ion: 76 Resp: 2910
Ion Ratio Lower Upper
76 100
78 14.7 6.8 10.2#



#31
Cyclohexane
Concen: 1.214 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

Tgt Ion: 56 Resp: 3890
Ion Ratio Lower Upper
56 100
69 155.4 23.6 35.4#
84 105.3 66.6 99.8#





#33

1,2-Dichloroethane-d4

Concen: 47.793 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN085287.D

Acq: 23 Dec 2024 12:02

Instrument :

MSVOA_N

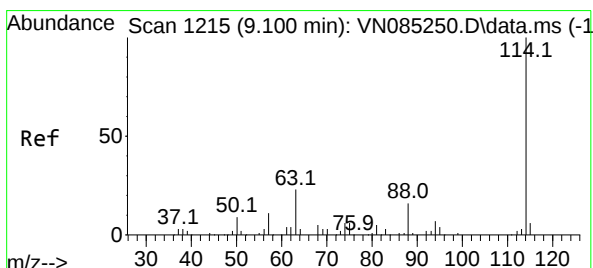
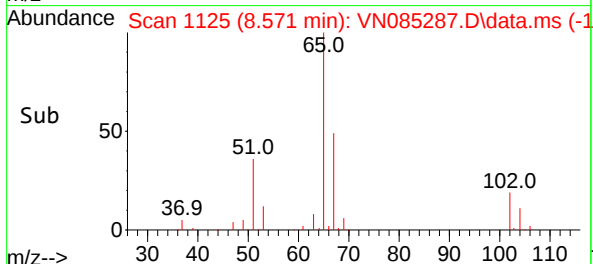
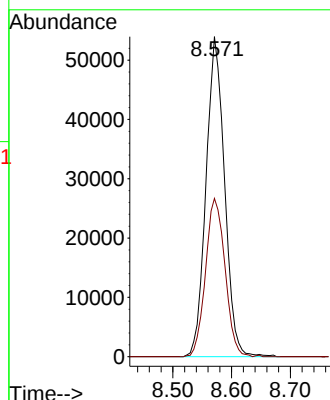
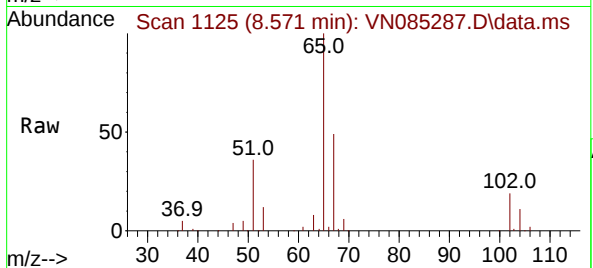
ClientSampleId :

Tgt Ion: 65 Resp: 118343

Ion Ratio Lower Upper

65 100

67 51.8 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN085287.D

Acq: 23 Dec 2024 12:02

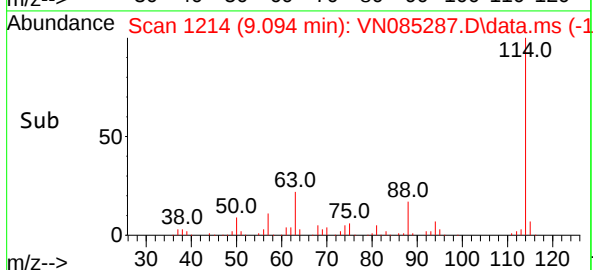
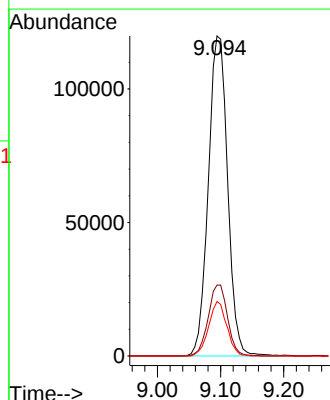
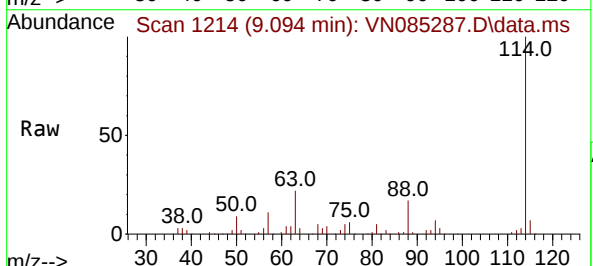
Tgt Ion: 114 Resp: 254442

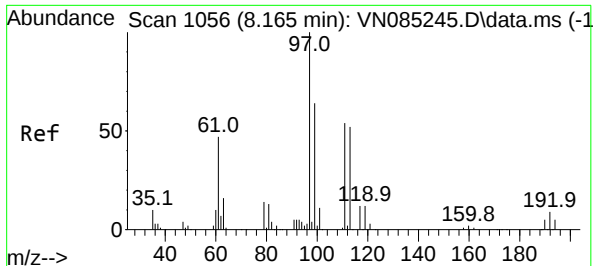
Ion Ratio Lower Upper

114 100

63 22.1 0.0 46.2

88 17.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.592 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN085287.D

Acq: 23 Dec 2024 12:02

Instrument :

MSVOA_N

ClientSampleId :

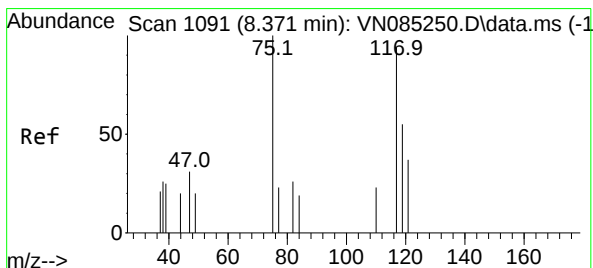
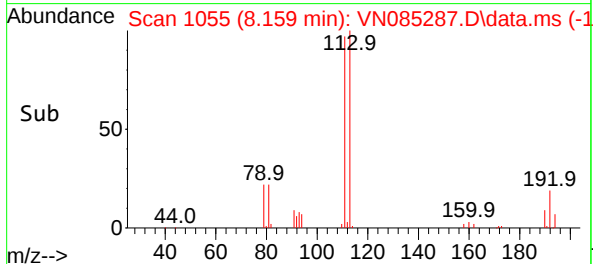
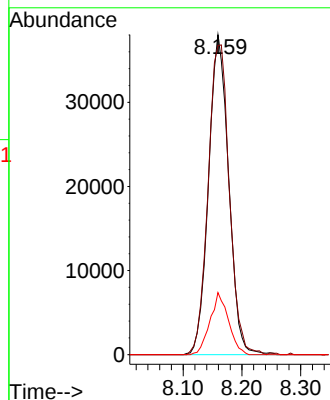
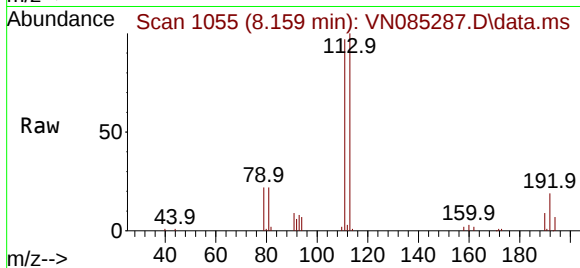
Tgt Ion:113 Resp: 90502

Ion Ratio Lower Upper

113 100

111 102.2 82.1 123.1

192 17.8 13.4 20.0



#36

1,1-Dichloropropene

Concen: 5.329 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085287.D

Acq: 23 Dec 2024 12:02

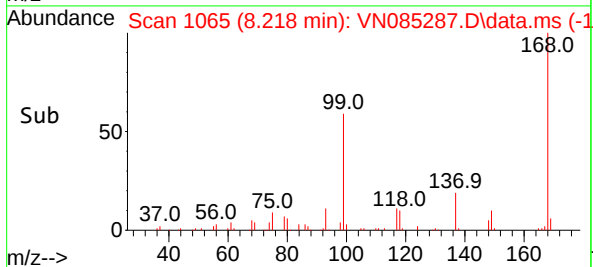
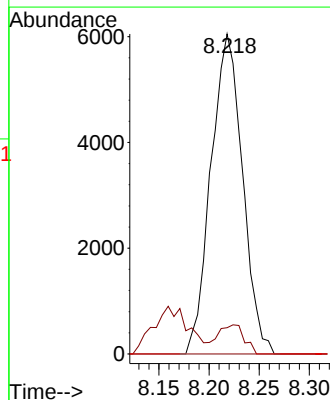
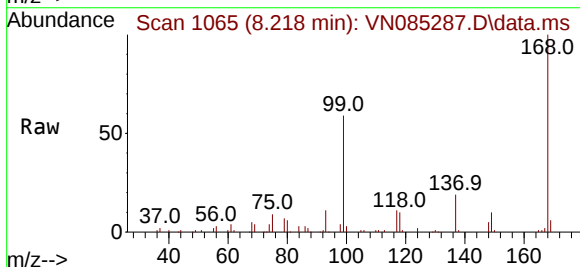
Tgt Ion: 75 Resp: 13274

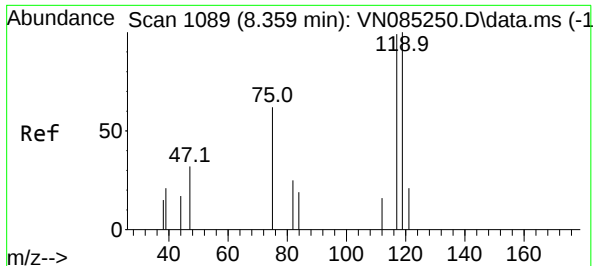
Ion Ratio Lower Upper

75 100

110 7.4 16.0 48.0#

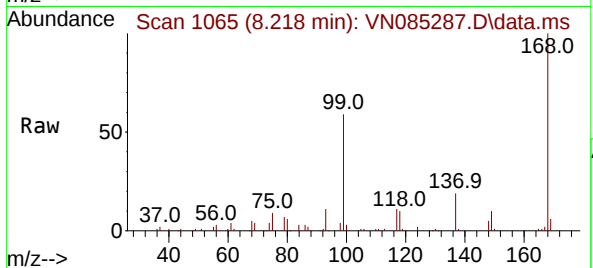
77 0.0 24.6 36.8#



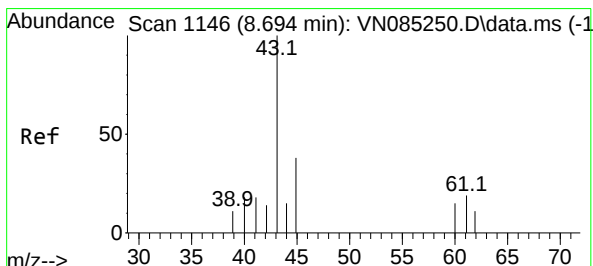
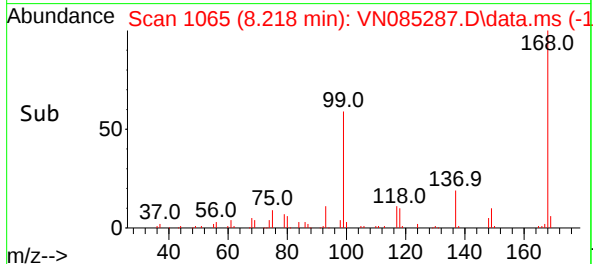
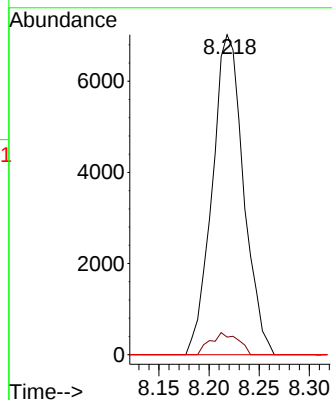


#38
Carbon Tetrachloride
Concen: 5.072 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

Instrument :
MSVOA_N
ClientSampleId :

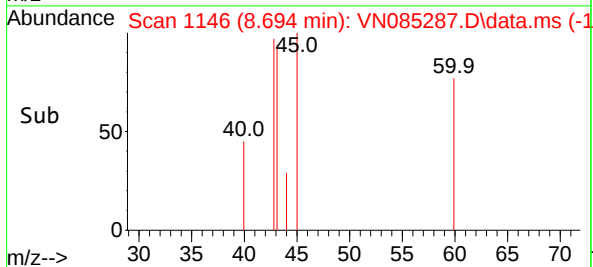
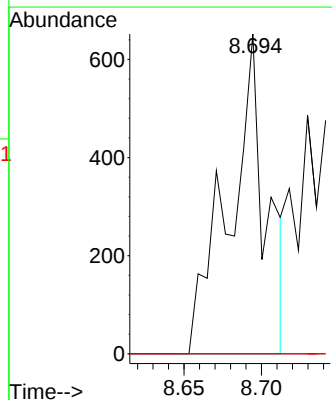
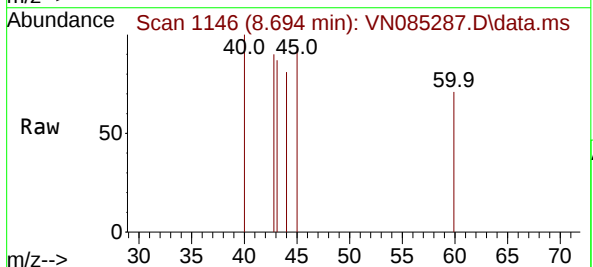


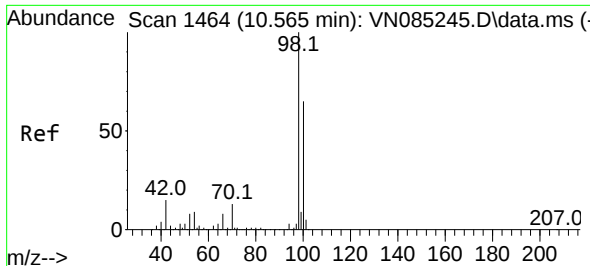
Tgt Ion:117 Resp: 15275
Ion Ratio Lower Upper
117 100
119 5.5 74.8 112.2#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 0.204 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.012 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

Tgt Ion: 43 Resp: 1071
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.3 13.9#

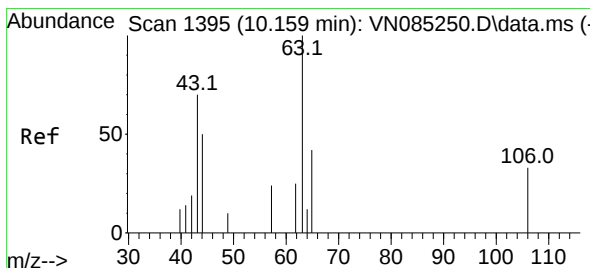
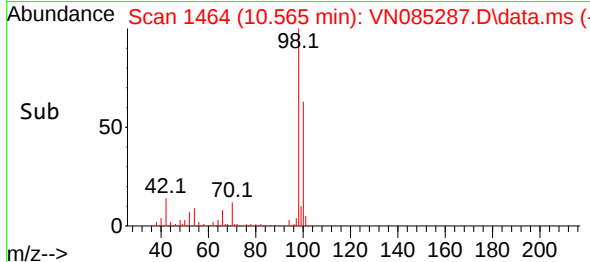
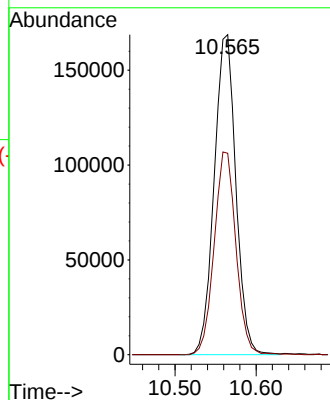
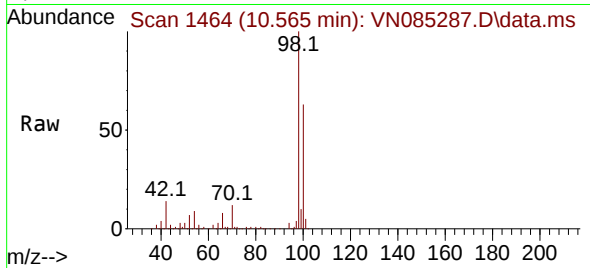




#50
Toluene-d8
Concen: 47.923 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

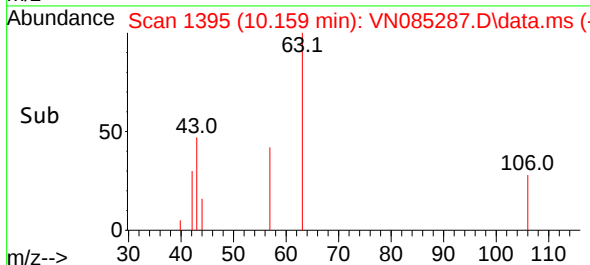
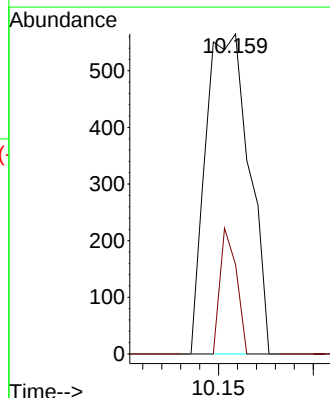
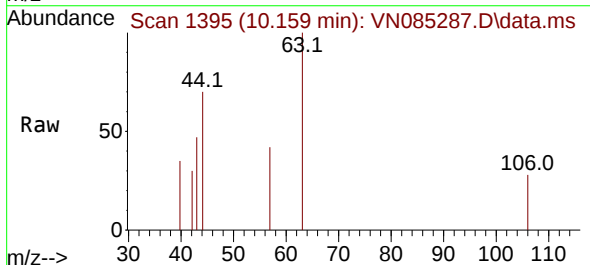
Instrument :
MSVOA_N
ClientSampleId :

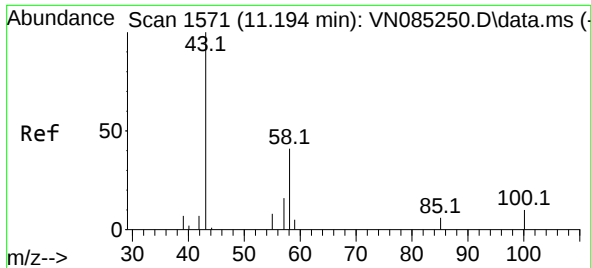
Tgt Ion: 98 Resp: 313332
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4



#58
2-Chloroethyl Vinyl ether
Concen: 16.026 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

Tgt Ion: 63 Resp: 900
Ion Ratio Lower Upper
63 100
106 14.9 21.2 31.8#

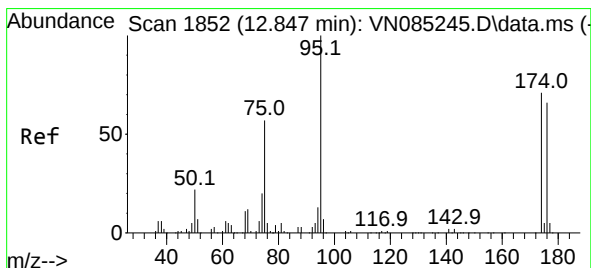
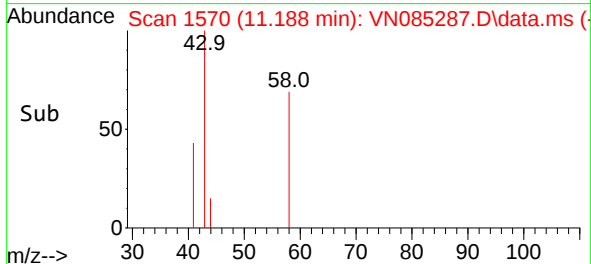
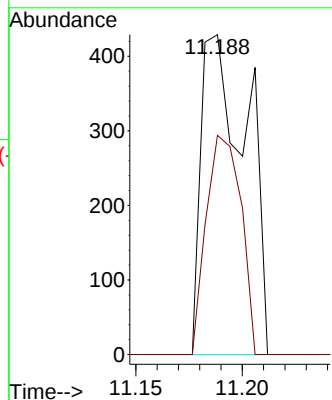
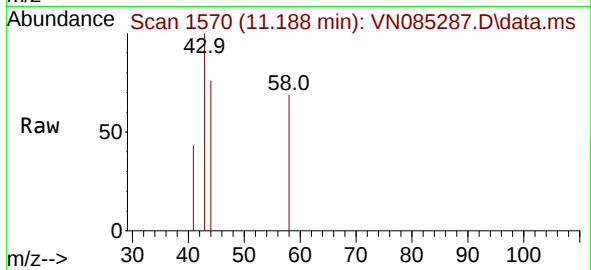




#59
2-Hexanone
Concen: 0.320 ug/l
RT: 11.188 min Scan# 111
Delta R.T. -0.006 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

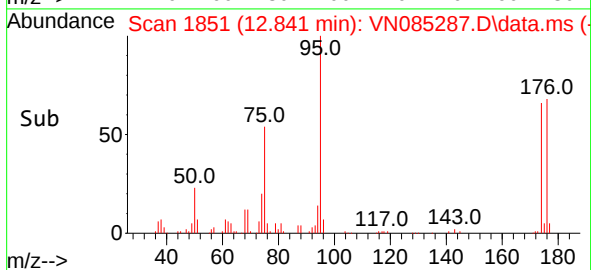
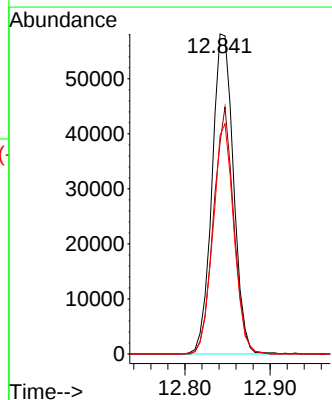
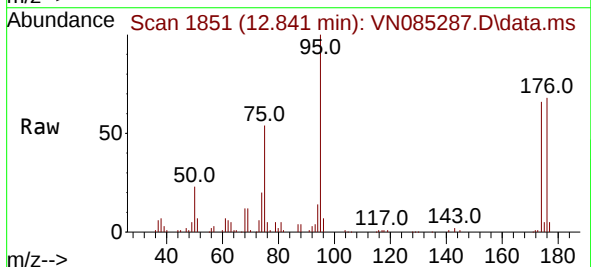
Instrument :
MSVOA_N
ClientSampleId :

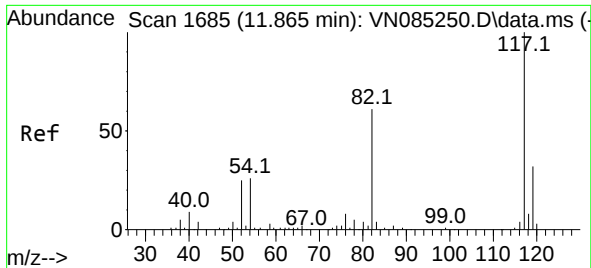
Tgt Ion: 43 Resp: 629
Ion Ratio Lower Upper
43 100
58 52.9 25.8 77.4



#62
4-Bromofluorobenzene
Concen: 43.492 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

Tgt Ion: 95 Resp: 101567
Ion Ratio Lower Upper
95 100
174 73.0 0.0 144.4
176 70.1 0.0 136.6

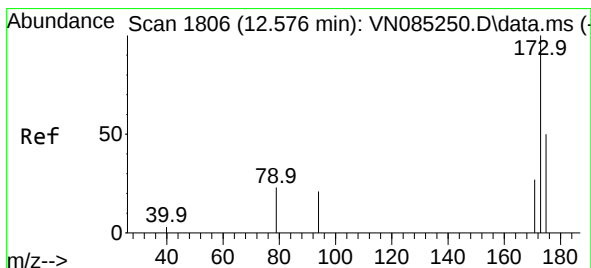
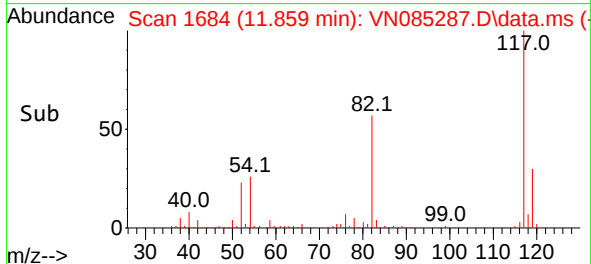
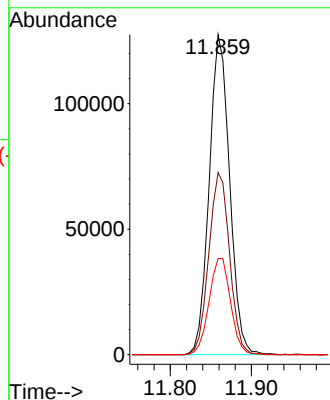
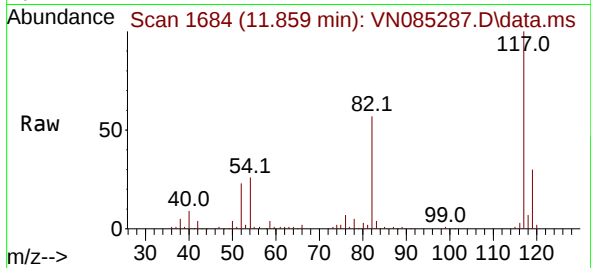




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

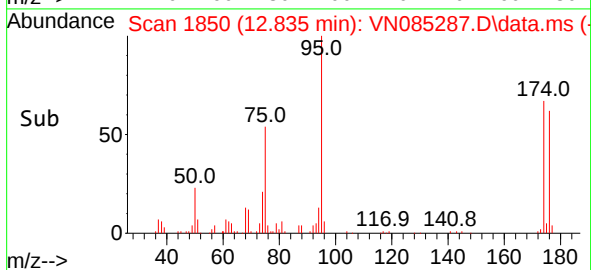
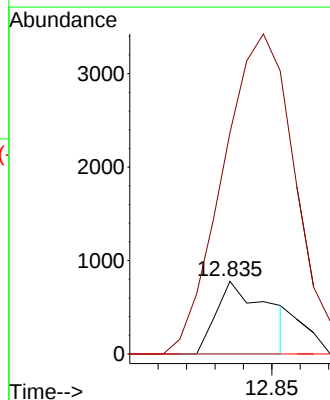
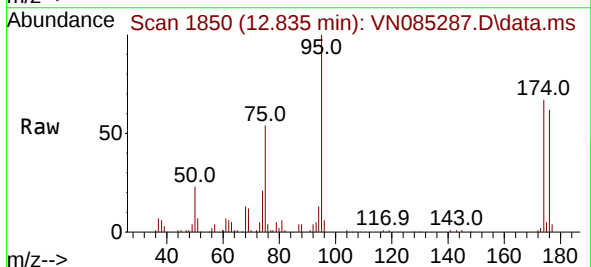
Instrument :
MSVOA_N
ClientSampleId :

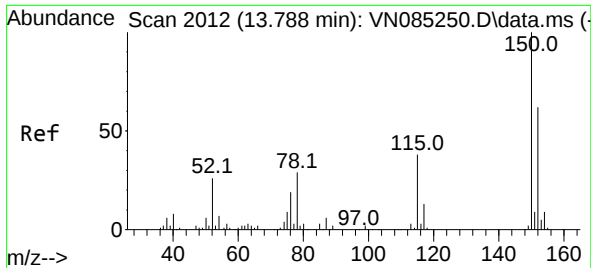
Tgt Ion:117 Resp: 222830
Ion Ratio Lower Upper
117 100
82 56.9 47.4 71.2
119 30.1 25.6 38.4



#71
Bromoform
Concen: 0.714 ug/l
RT: 12.835 min Scan# 1850
Delta R.T. 0.259 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

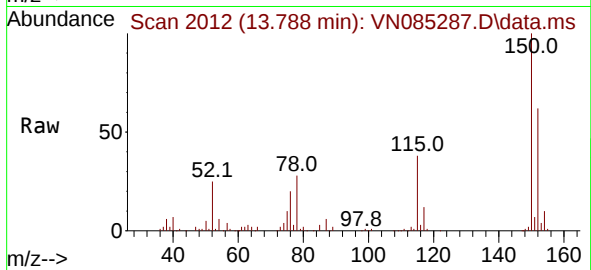
Tgt Ion:173 Resp: 978
Ion Ratio Lower Upper
173 100
175 512.2 24.5 73.5#
254 0.0 0.0 0.0



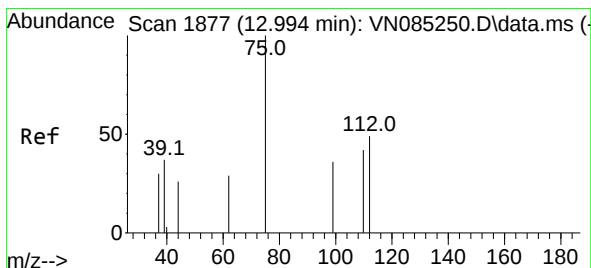
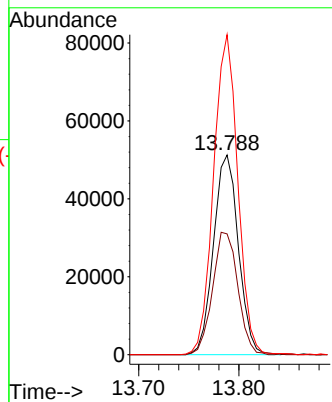
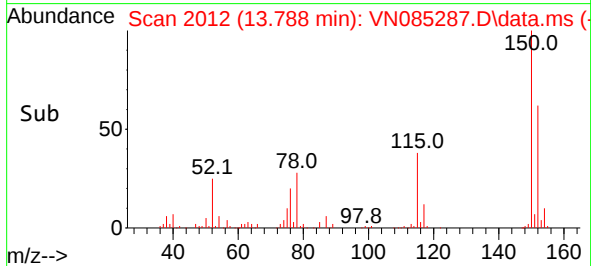


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN085287.D
 Acq: 23 Dec 2024 12:02

Instrument :
 MSVOA_N
 ClientSampleId :

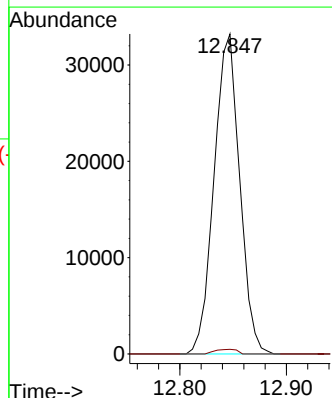
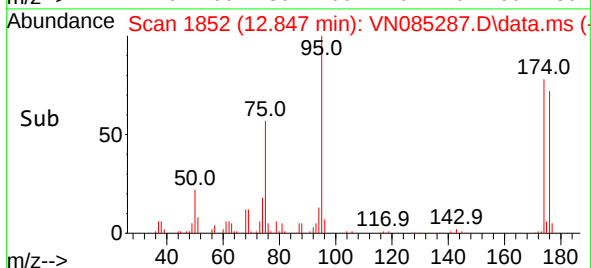
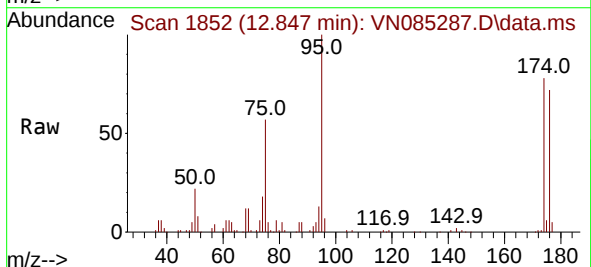


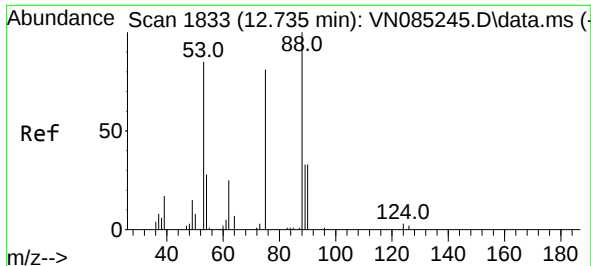
Tgt Ion:152 Resp: 88305
 Ion Ratio Lower Upper
 152 100
 115 62.1 32.1 96.3
 150 156.0 0.0 354.6



#76
 1,2,3-Trichloropropane
 Concen: 26.316 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN085287.D
 Acq: 23 Dec 2024 12:02

Tgt Ion: 75 Resp: 55393
 Ion Ratio Lower Upper
 75 100
 77 1.3 102.6 307.7#

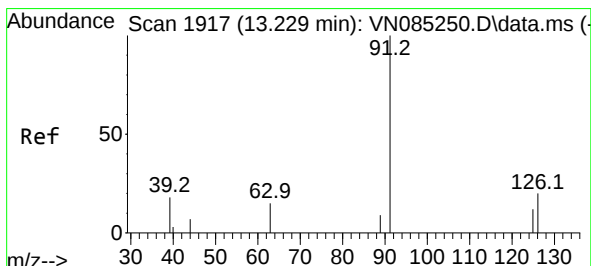
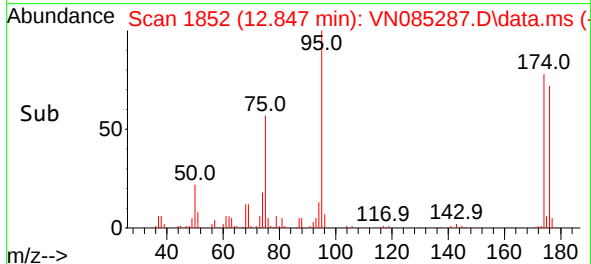
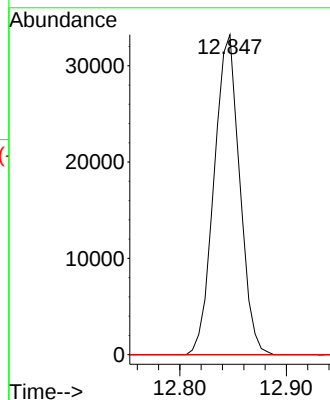
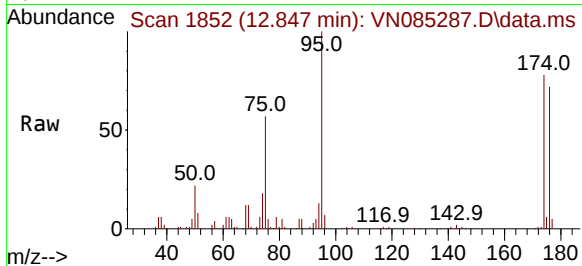




#81
trans-1,4-Dichloro-2-butene
Concen: 69.878 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

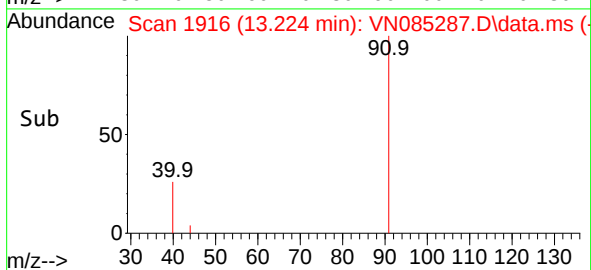
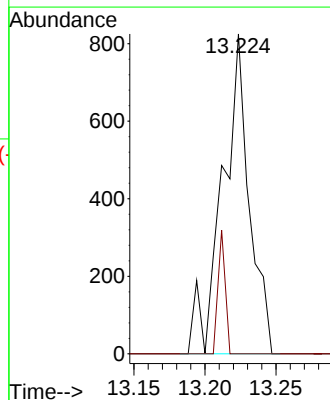
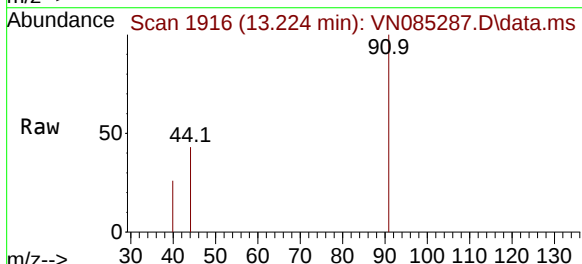
Instrument :
MSVOA_N
ClientSampleId :

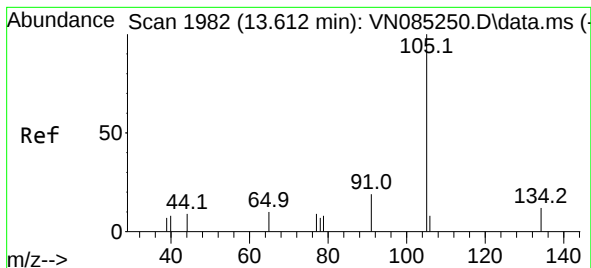
Tgt Ion: 75 Resp: 55393
Ion Ratio Lower Upper
75 100
53 0.0 84.9 127.3#
89 0.0 37.9 56.9#



#82
4-Chlorotoluene
Concen: 0.216 ug/l
RT: 13.224 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

Tgt Ion: 91 Resp: 1084
Ion Ratio Lower Upper
91 100
126 10.4 15.6 46.8#

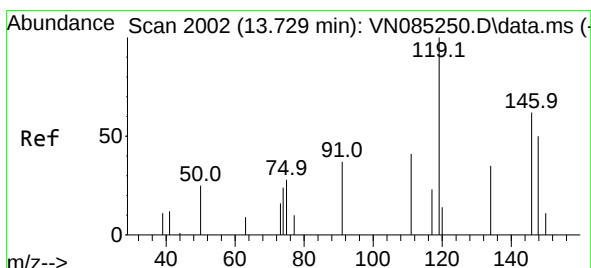
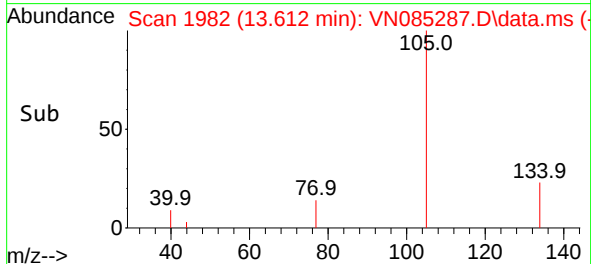
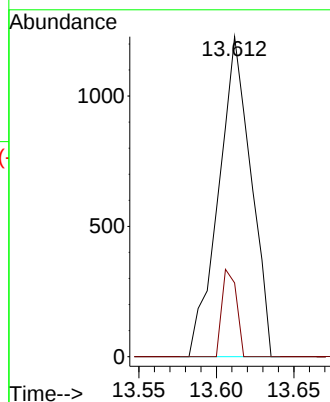
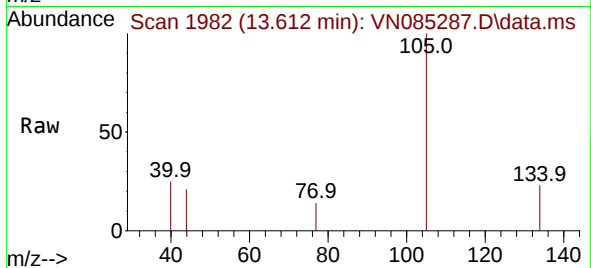




#85
sec-Butylbenzene
Concen: 0.284 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

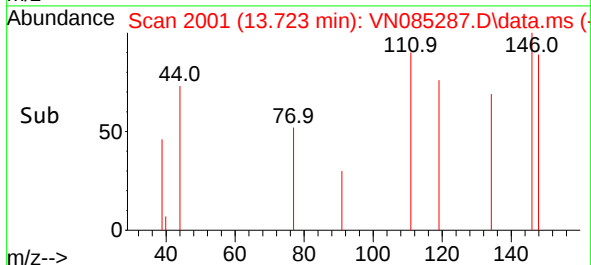
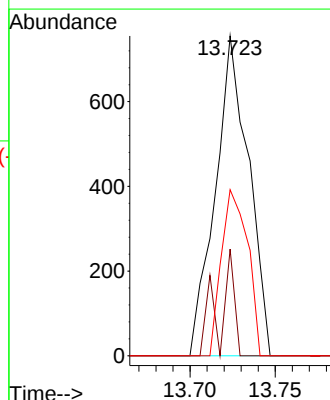
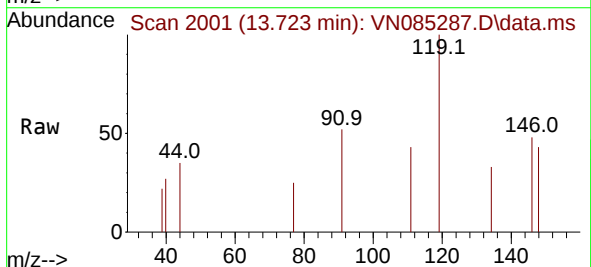
Instrument :
MSVOA_N
ClientSampleId :

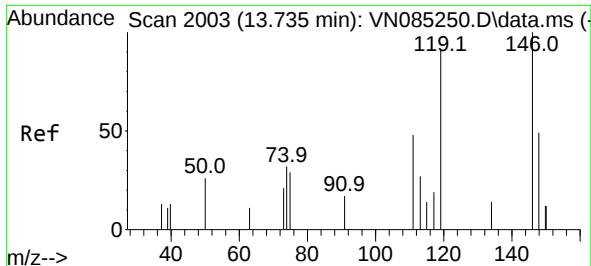
Tgt Ion:105 Resp: 1785
Ion Ratio Lower Upper
105 100
134 12.2 9.4 28.3



#86
p-Isopropyltoluene
Concen: 2.109 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

Tgt Ion:119 Resp: 1028
Ion Ratio Lower Upper
119 100
134 6.5 12.5 37.5#
91 40.9 13.0 38.9#





#87

1,3-Dichlorobenzene

Concen: 0.257 ug/l

RT: 13.718 min Scan# 2000

Delta R.T. -0.012 min

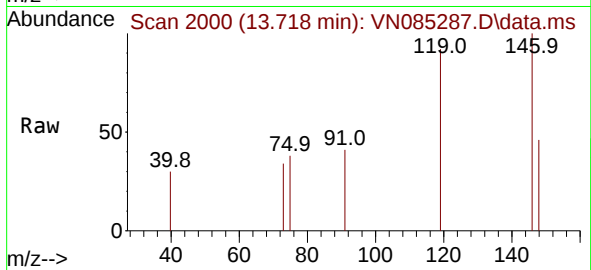
Lab File: VN085287.D

Acq: 23 Dec 2024 12:02

Instrument :

MSVOA_N

ClientSampleId :



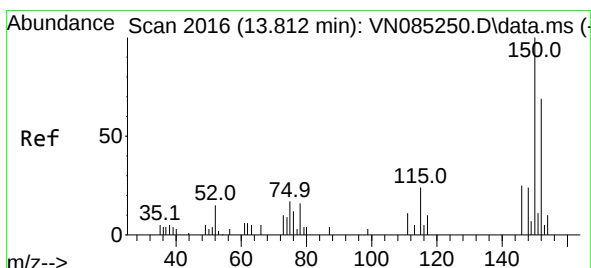
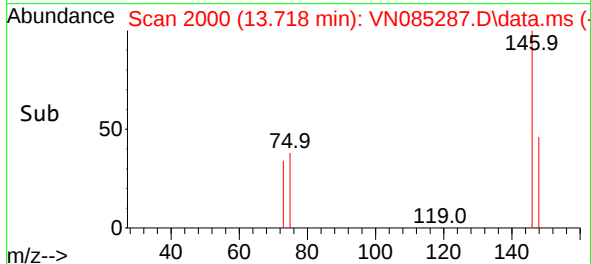
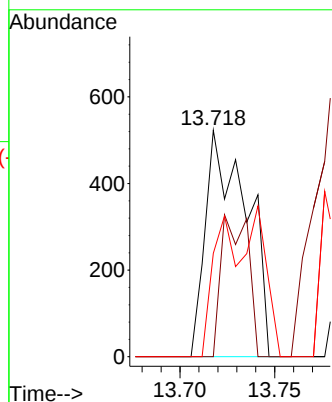
Tgt Ion:146 Resp: 791

Ion Ratio Lower Upper

146 100

111 40.5 21.5 64.5

148 34.5 31.4 94.0



#88

1,4-Dichlorobenzene

Concen: 0.248 ug/l

RT: 13.718 min Scan# 2000

Delta R.T. -0.094 min

Lab File: VN085287.D

Acq: 23 Dec 2024 12:02

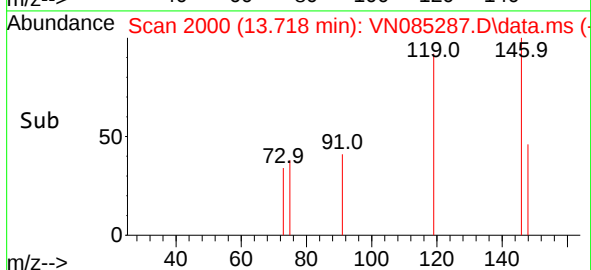
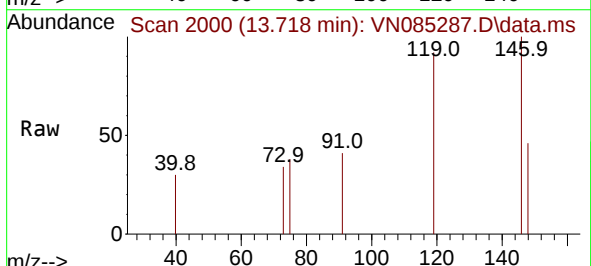
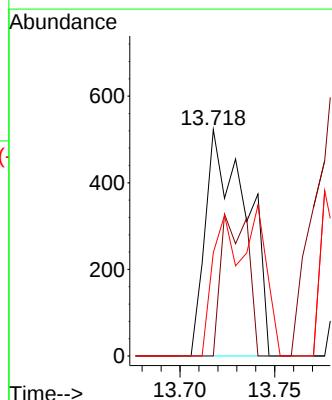
Tgt Ion:146 Resp: 791

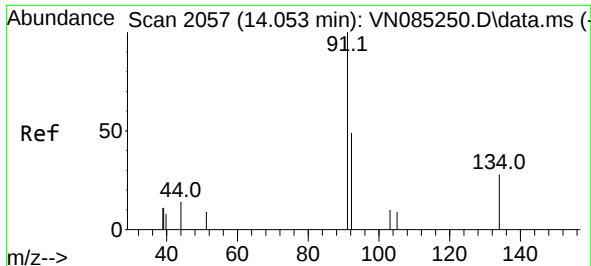
Ion Ratio Lower Upper

146 100

111 40.5 20.8 62.5

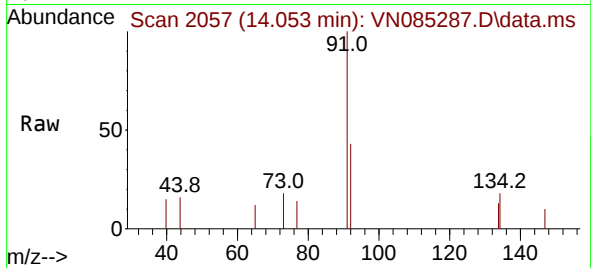
148 34.5 31.9 95.9



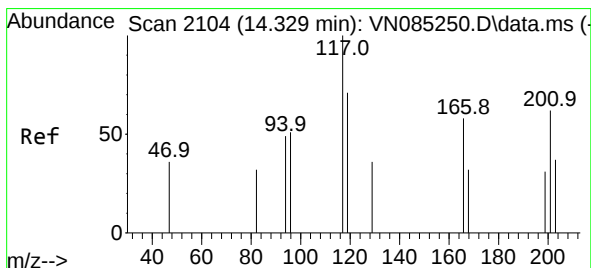
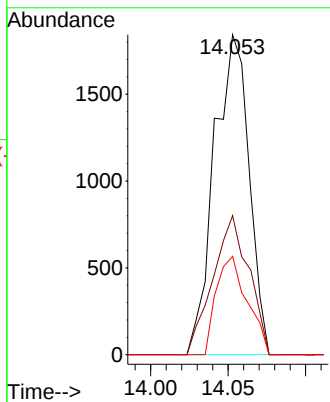
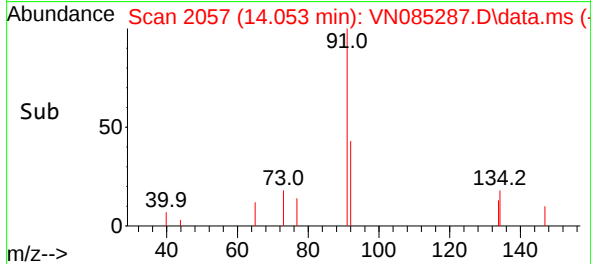


#89
n-Butylbenzene
Concen: 0.621 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

Instrument :
MSVOA_N
ClientSampleId :

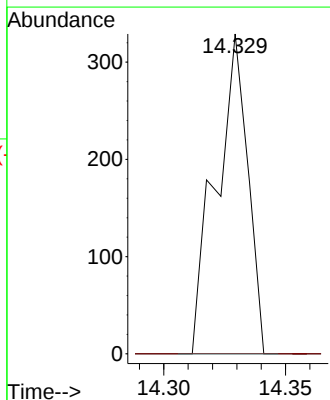
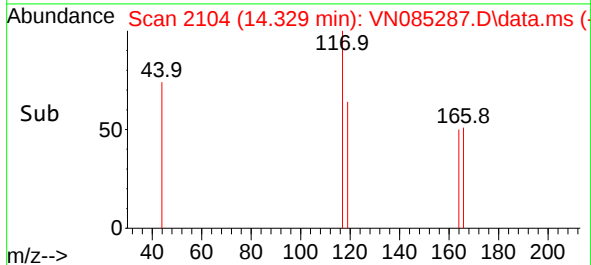
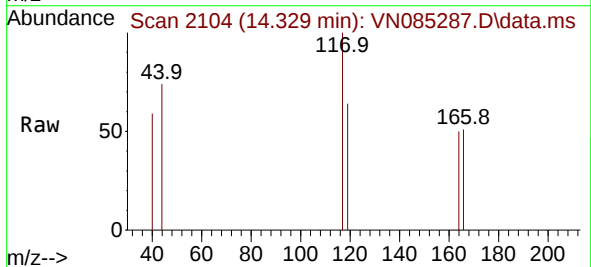


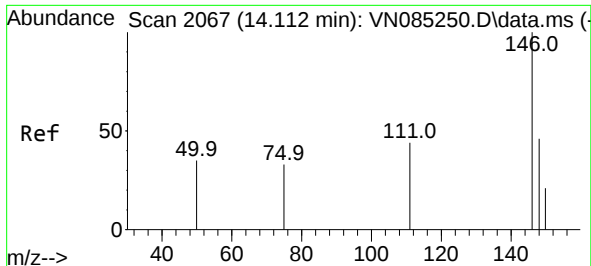
Tgt Ion: 91 Resp: 2869
Ion Ratio Lower Upper
91 100
92 45.0 25.8 77.3
134 27.4 12.0 36.0



#90
Hexachloroethane
Concen: 0.259 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

Tgt Ion: 117 Resp: 299
Ion Ratio Lower Upper
117 100
201 0.0 31.9 95.7#





#91

1,2-Dichlorobenzene

Concen: 0.404 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

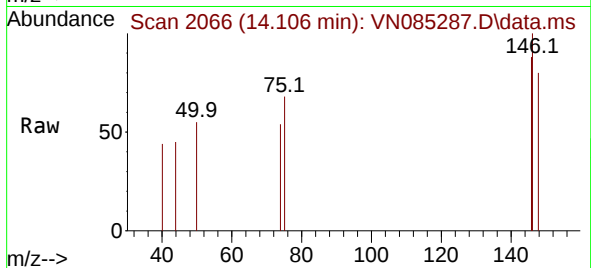
Lab File: VN085287.D

Acq: 23 Dec 2024 12:02

Instrument :

MSVOA_N

ClientSampleId :



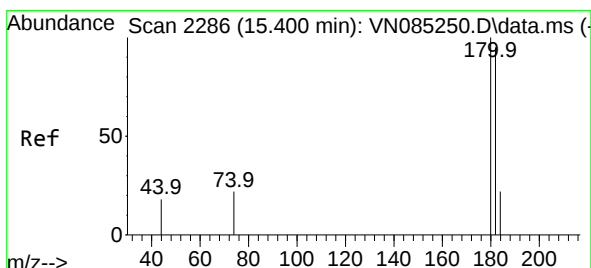
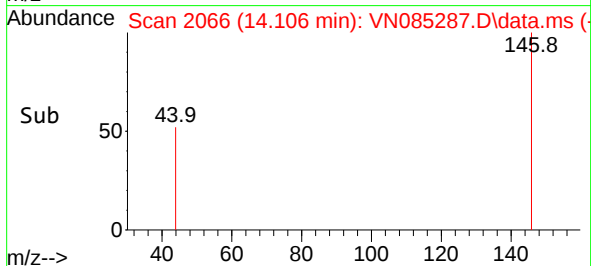
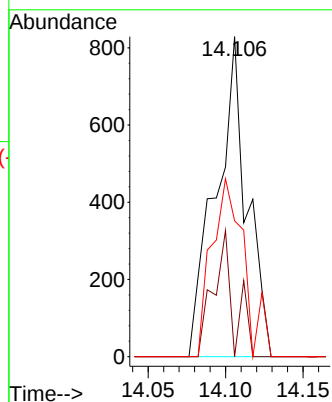
Tgt Ion:146 Resp: 1156

Ion Ratio Lower Upper

146 100

111 26.1 22.1 66.1

148 57.5 31.9 95.9



#93

1,2,4-Trichlorobenzene

Concen: 1.386 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. 0.000 min

Lab File: VN085287.D

Acq: 23 Dec 2024 12:02

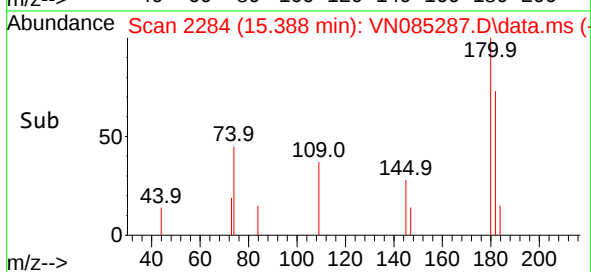
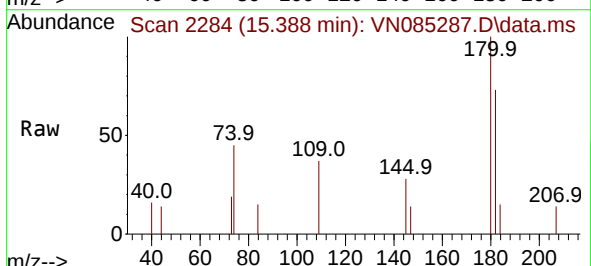
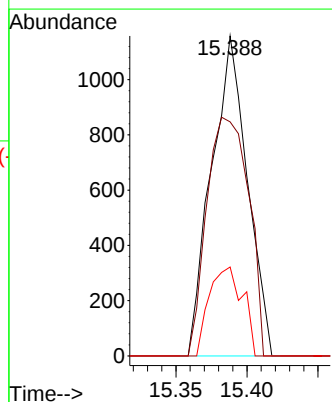
Tgt Ion:180 Resp: 2032

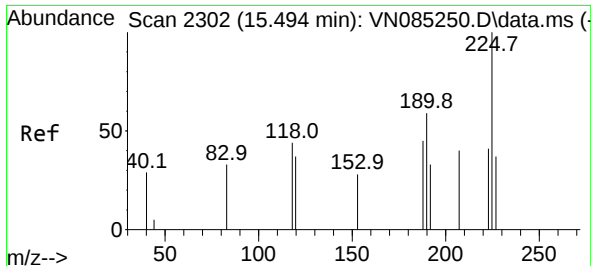
Ion Ratio Lower Upper

180 100

182 87.2 46.3 138.8

145 25.9 16.6 49.7

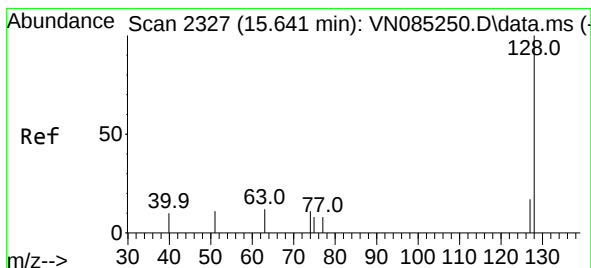
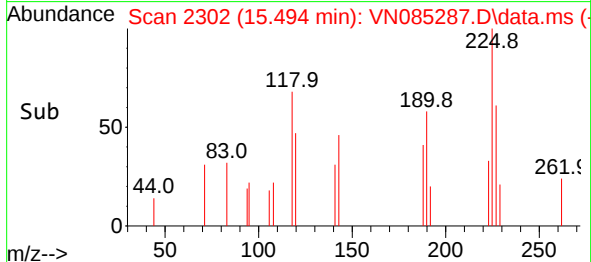
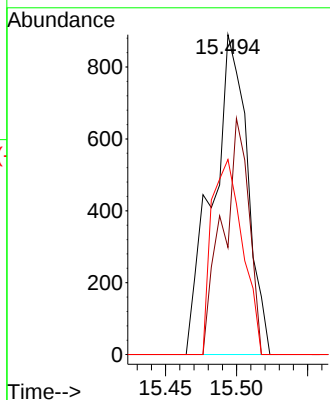
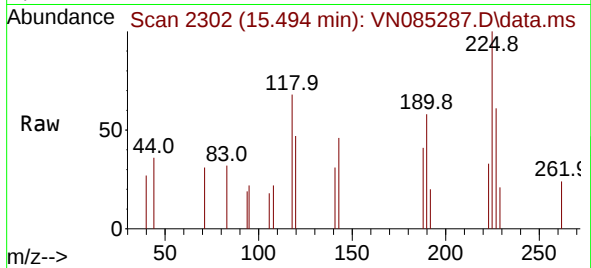




#94
Hexachlorobutadiene
Concen: 2.000 ug/l
RT: 15.494 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

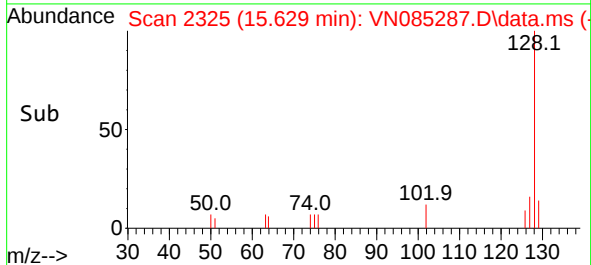
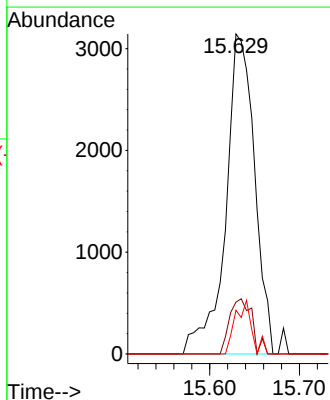
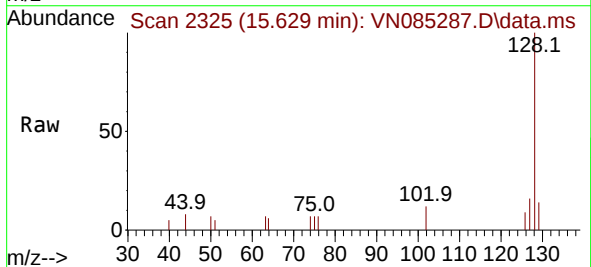
Instrument :
MSVOA_N
ClientSampleId :

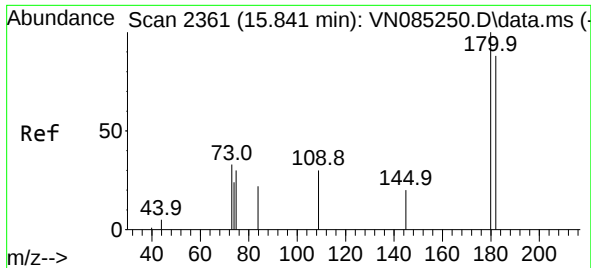
Tgt Ion	Ratio	Lower	Upper
225	100		
223	55.5	34.1	102.2
227	53.8	33.2	99.6



#95
Naphthalene
Concen: 1.447 ug/l
RT: 15.629 min Scan# 2325
Delta R.T. -0.012 min
Lab File: VN085287.D
Acq: 23 Dec 2024 12:02

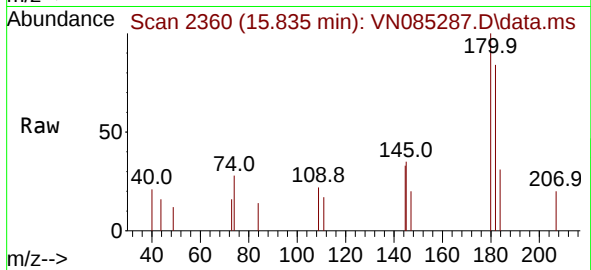
Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	9.6	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.226 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN085287.D
 Acq: 23 Dec 2024 12:02

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	3260
Ion	Ratio	Lower	Upper
180	100		
182	82.7	46.9	140.6
145	31.3	17.6	52.8

