

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022625\
 Data File : VN085863.D
 Acq On : 26 Feb 2025 11:11
 Operator : JC\MD
 Sample : VN0226MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226MBL01

Quant Time: Feb 26 22:50:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

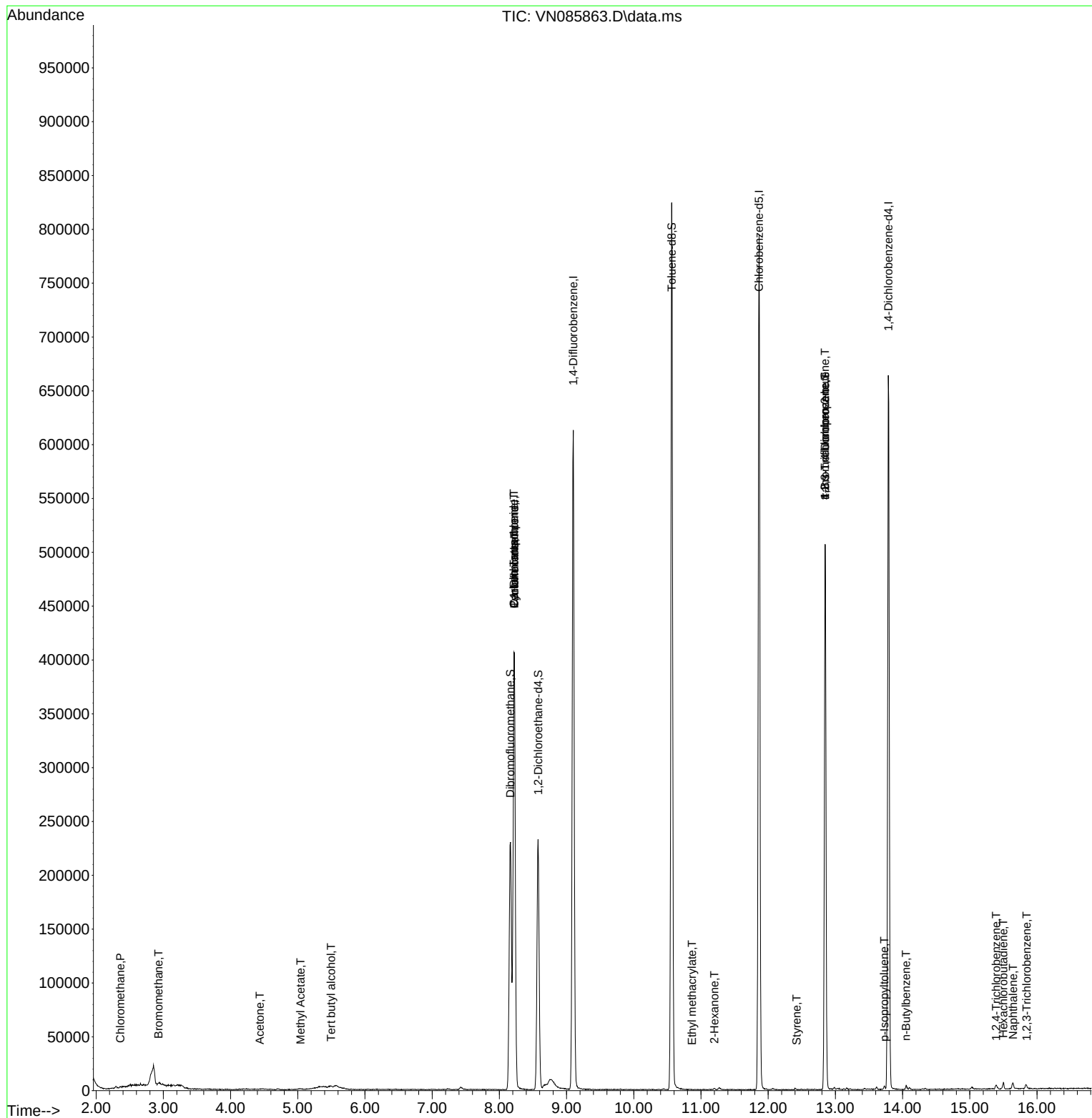
Internal Standards						
1) Pentafluorobenzene	8.224	168	300968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	543910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	474847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	188715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	191808	49.157	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.320%		
35) Dibromofluoromethane	8.165	113	172314	48.415	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.840%		
50) Toluene-d8	10.565	98	577015	44.560	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.120%		
62) 4-Bromofluorobenzene	12.847	95	177231	41.541	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	83.080%		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	940	0.229	ug/l	99
5) Bromomethane	2.930	94	1328	0.478	ug/l #	76
11) Tert butyl alcohol	5.494	59	897	1.869	ug/l #	72
16) Acetone	4.436	43	294	0.238	ug/l #	40
18) Methyl Acetate	5.041	43	2227	0.524	ug/l #	54
31) Cyclohexane	8.224	56	5935	1.065	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	23341	4.634	ug/l #	49
38) Carbon Tetrachloride	8.218	117	30807	5.147	ug/l #	18
43) Isopropyl Acetate	8.694	43	3823	Below Cal	#	53
56) Ethyl methacrylate	10.865	69	66	0.473	ug/l #	30
59) 2-Hexanone	11.200	43	972	0.354	ug/l	73
70) Styrene	12.423	104	396	0.622	ug/l #	48
76) 1,2,3-Trichloropropane	12.847	75	86781	20.702	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	86781	60.402	ug/l #	13
86) p-Isopropyltoluene	13.729	119	1588	0.773	ug/l	84
89) n-Butylbenzene	14.053	91	2497	0.281	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	2074	0.692	ug/l	76
94) Hexachlorobutadiene	15.500	225	1340	0.735	ug/l	80
95) Naphthalene	15.647	128	6637	0.806	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.847	180	2057	0.683	ug/l #	89

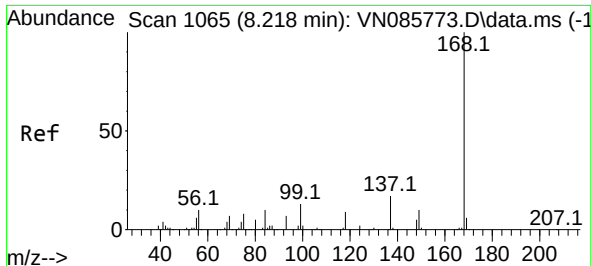
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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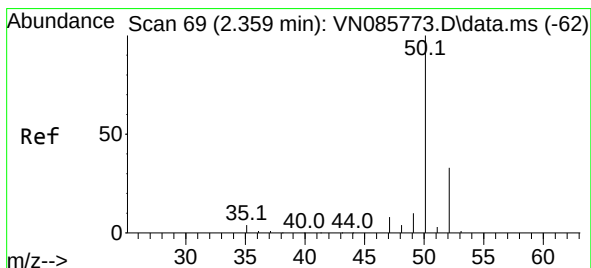
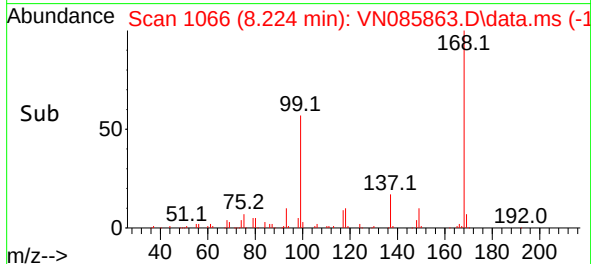
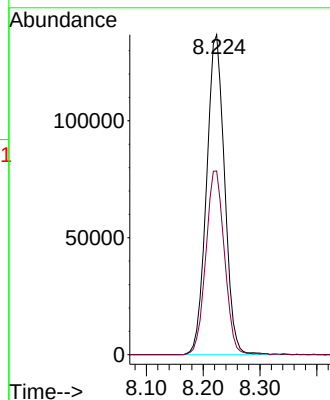
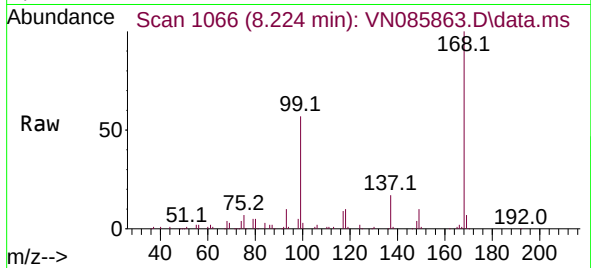




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085863.D
Acq: 26 Feb 2025 11:11

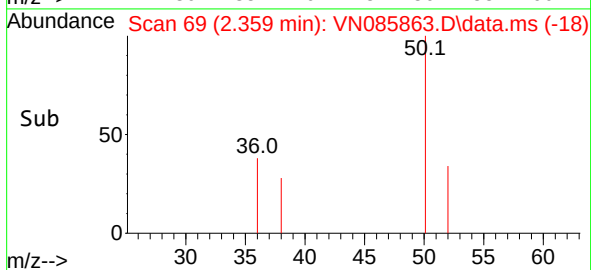
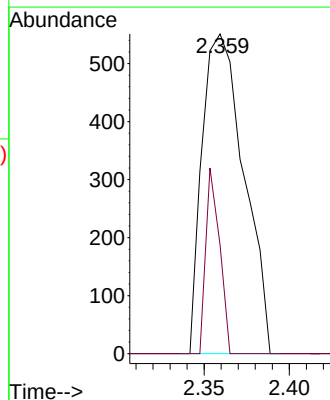
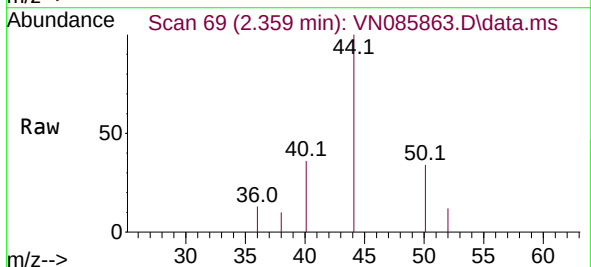
Instrument :
MSVOA_N
ClientSampleId :
VN0226MBL01

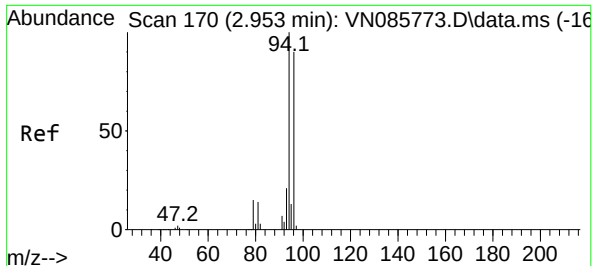
Tgt Ion:168 Resp: 300968
Ion Ratio Lower Upper
168 100
99 57.4 47.9 71.9



#3
Chloromethane
Concen: 0.229 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085863.D
Acq: 26 Feb 2025 11:11

Tgt Ion: 50 Resp: 940
Ion Ratio Lower Upper
50 100
52 34.1 26.7 40.1

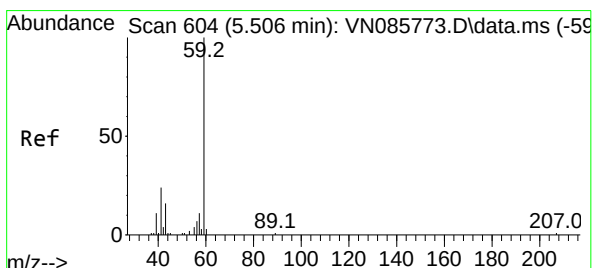
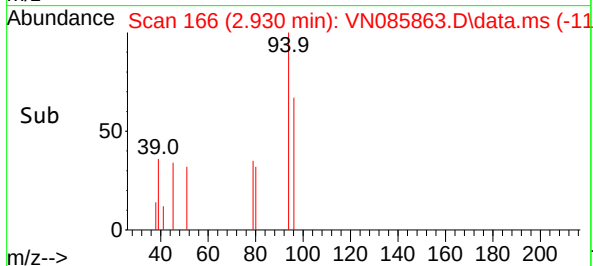
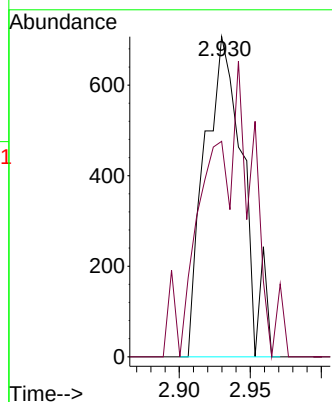
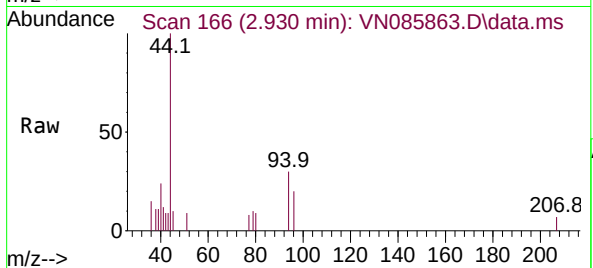




#5
Bromomethane
Concen: 0.478 ug/l
RT: 2.930 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN085863.D
Acq: 26 Feb 2025 11:11

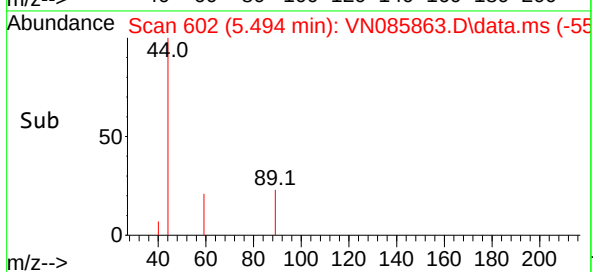
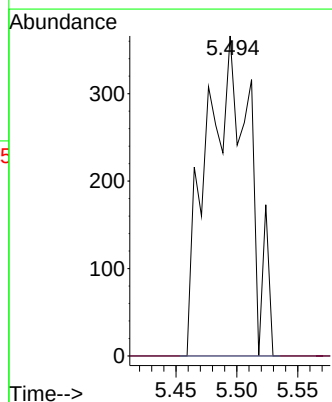
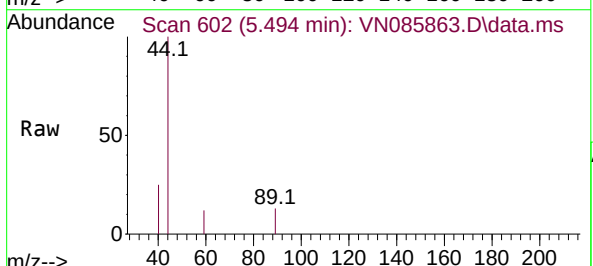
Instrument :
MSVOA_N
ClientSampleId :
VN0226MBL01

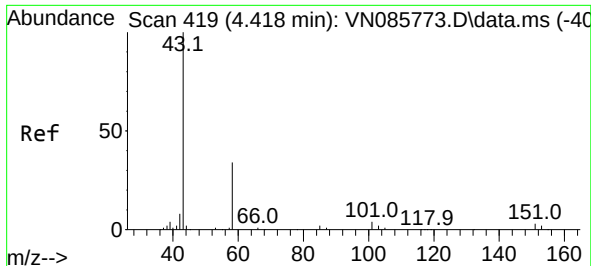
Tgt Ion: 94 Resp: 1328
Ion Ratio Lower Upper
94 100
96 67.3 71.7 107.5#



#11
Tert butyl alcohol
Concen: 1.869 ug/l
RT: 5.494 min Scan# 602
Delta R.T. -0.012 min
Lab File: VN085863.D
Acq: 26 Feb 2025 11:11

Tgt Ion: 59 Resp: 897
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

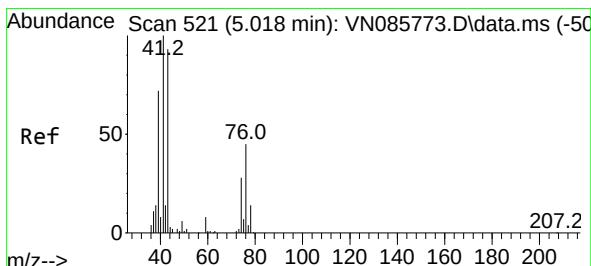
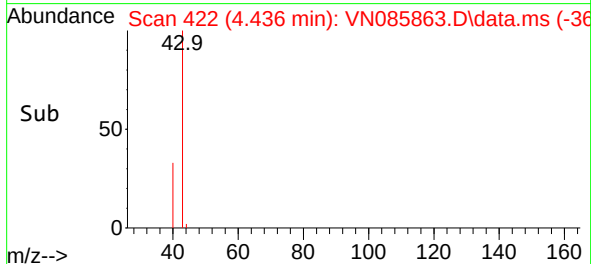
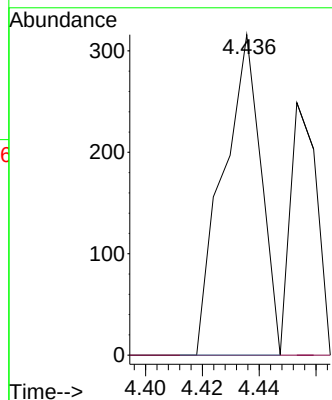
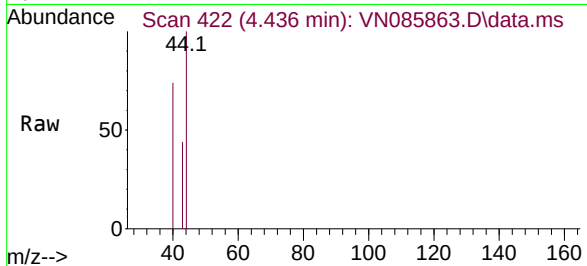




#16
Acetone
Concen: 0.238 ug/l
RT: 4.436 min Scan# 419
Delta R.T. 0.018 min
Lab File: VN085863.D
Acq: 26 Feb 2025 11:11

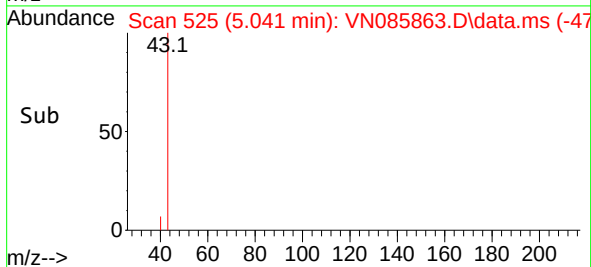
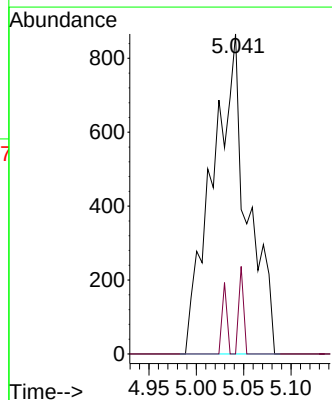
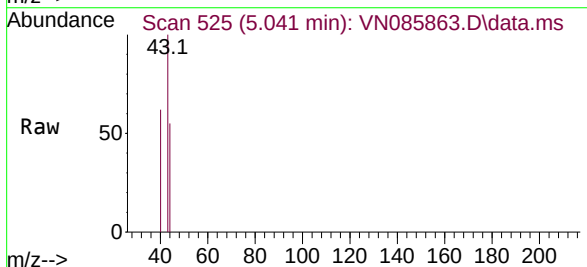
Instrument :
MSVOA_N
ClientSampleId :
VN0226MBL01

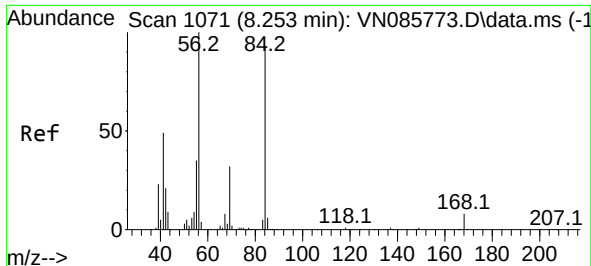
Tgt Ion: 43 Resp: 294
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



#18
Methyl Acetate
Concen: 0.524 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.023 min
Lab File: VN085863.D
Acq: 26 Feb 2025 11:11

Tgt Ion: 43 Resp: 2227
Ion Ratio Lower Upper
43 100
74 3.8 22.2 33.4#

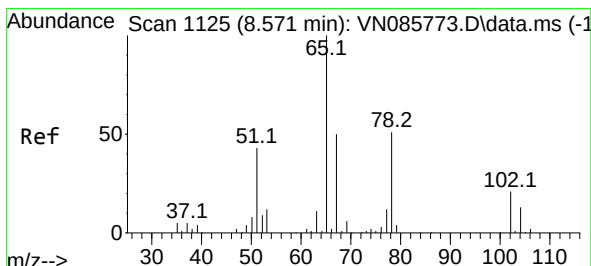
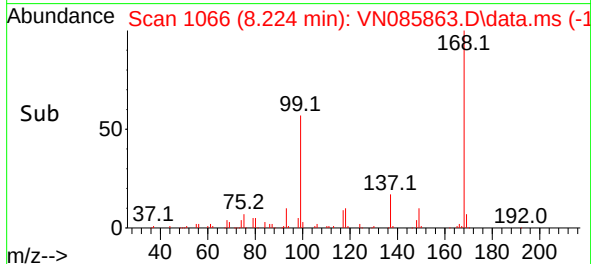
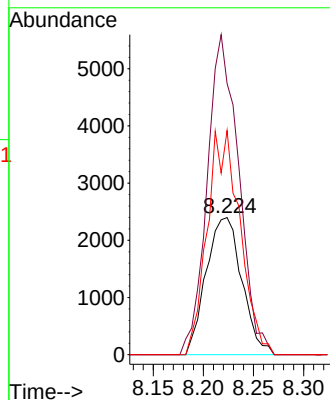
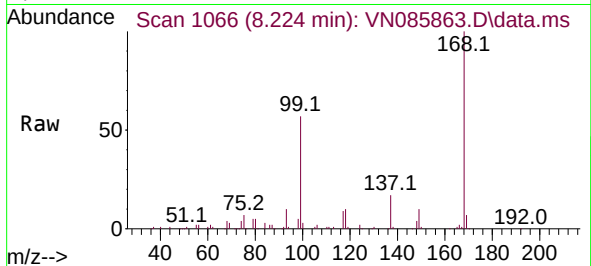




#31
Cyclohexane
Concen: 1.065 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085863.D
Acq: 26 Feb 2025 11:11

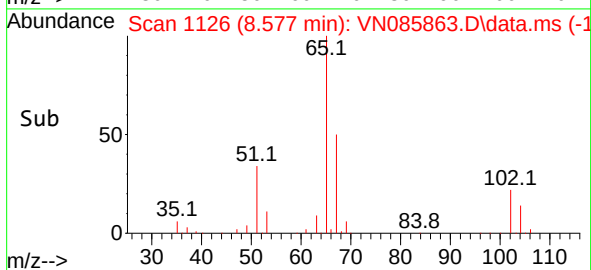
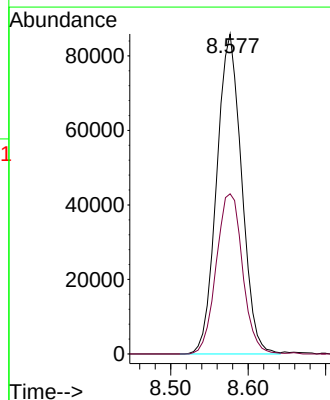
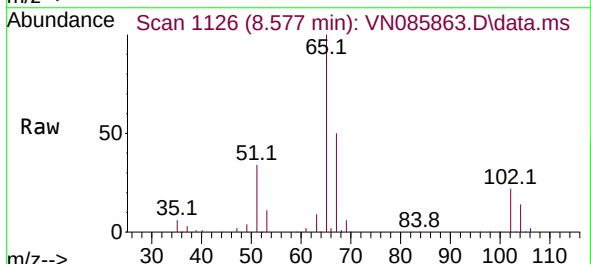
Instrument :
MSVOA_N
ClientSampleId :
VN0226MBL01

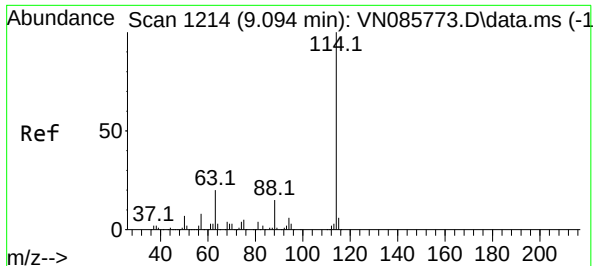
Tgt Ion: 56 Resp: 5935
Ion Ratio Lower Upper
56 100
69 197.8 25.8 38.6#
84 163.5 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 49.157 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085863.D
Acq: 26 Feb 2025 11:11

Tgt Ion: 65 Resp: 191808
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085863.D

Acq: 26 Feb 2025 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0226MBL01

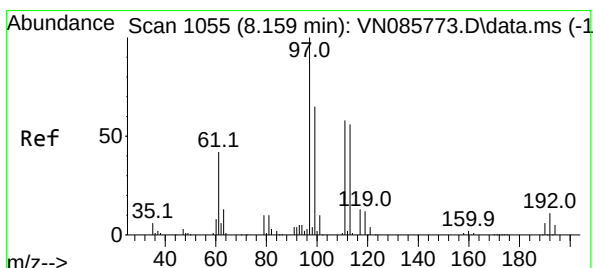
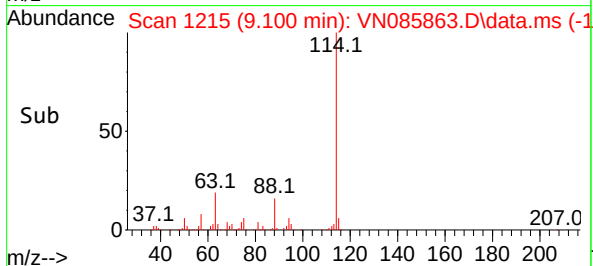
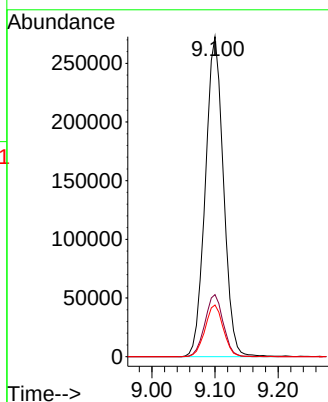
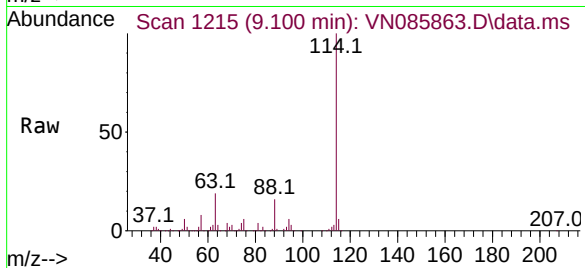
Tgt Ion:114 Resp: 543910

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.2

88 16.1 0.0 30.0



#35

Dibromofluoromethane

Concen: 48.415 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085863.D

Acq: 26 Feb 2025 11:11

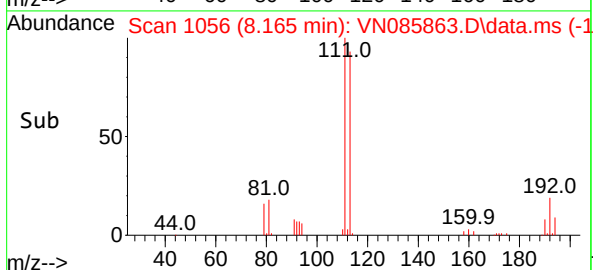
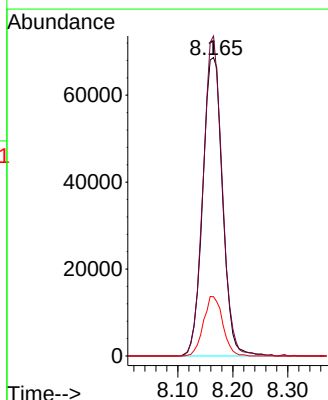
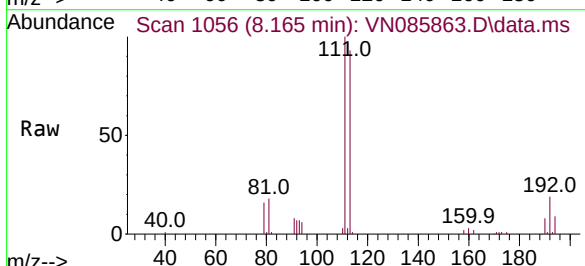
Tgt Ion:113 Resp: 172314

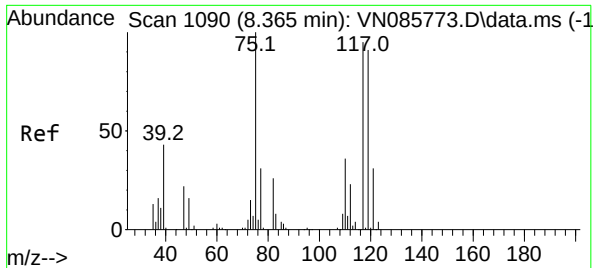
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

192 19.4 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.634 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085863.D

Acq: 26 Feb 2025 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0226MBL01

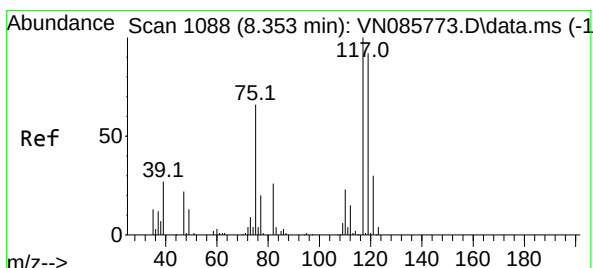
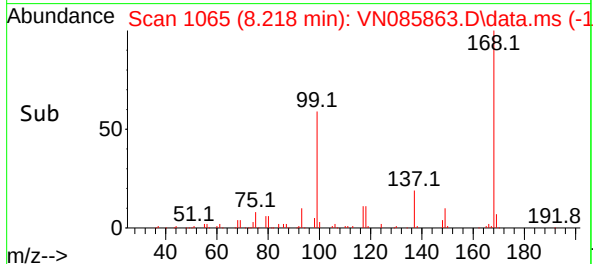
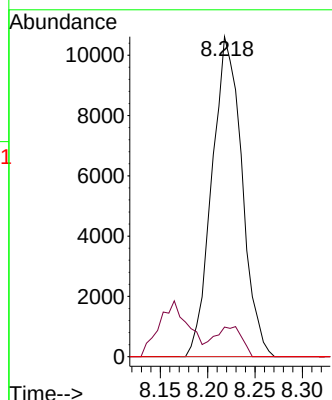
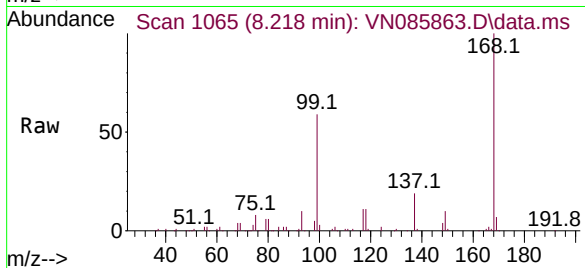
Tgt Ion: 75 Resp: 23341

Ion Ratio Lower Upper

75 100

110 8.1 17.3 52.0#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.147 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.135 min

Lab File: VN085863.D

Acq: 26 Feb 2025 11:11

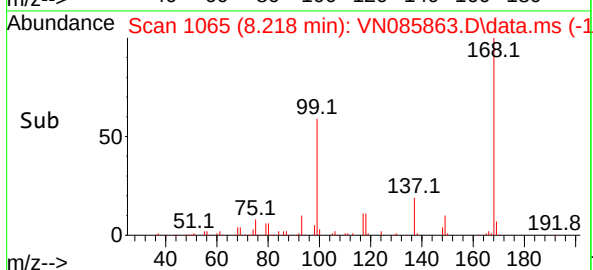
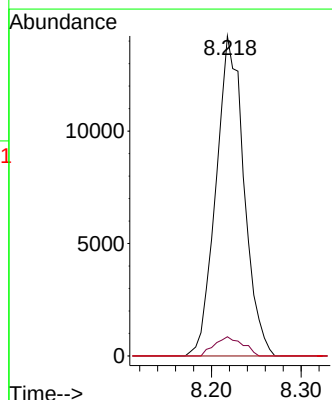
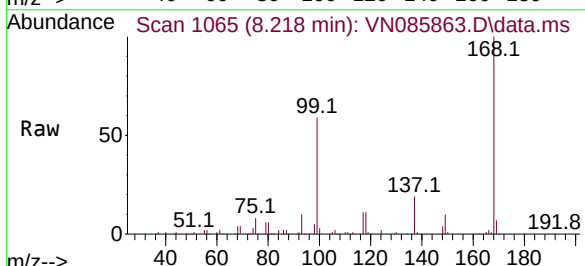
Tgt Ion: 117 Resp: 30807

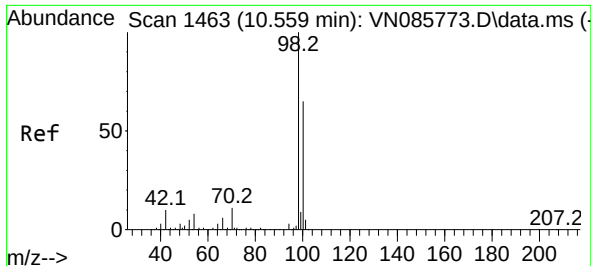
Ion Ratio Lower Upper

117 100

119 6.0 73.8 110.6#

121 0.0 24.3 36.5#

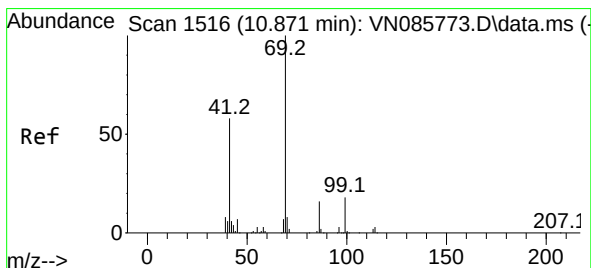
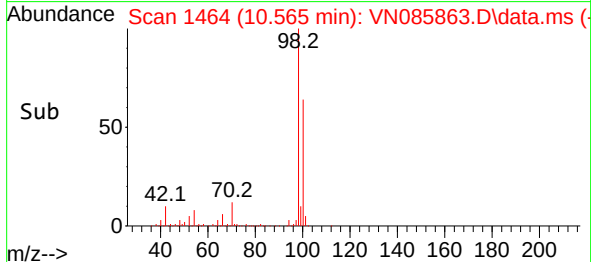
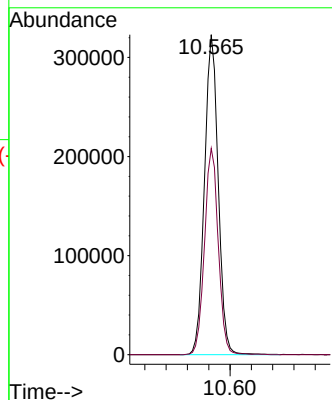
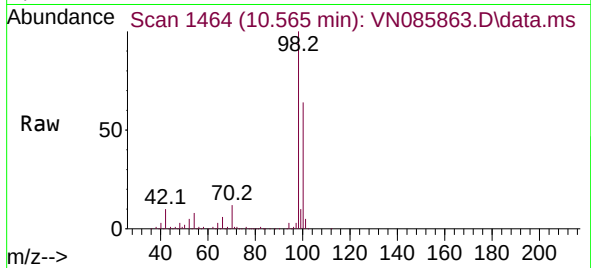




#50
Toluene-d8
Concen: 44.560 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085863.D
Acq: 26 Feb 2025 11:11

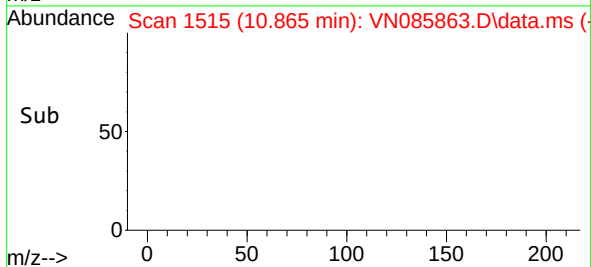
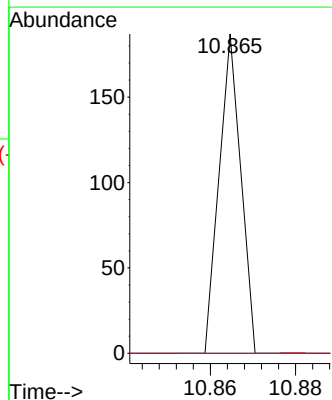
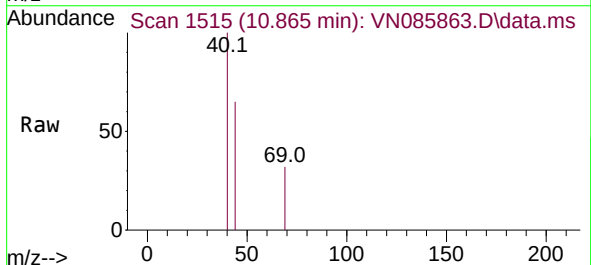
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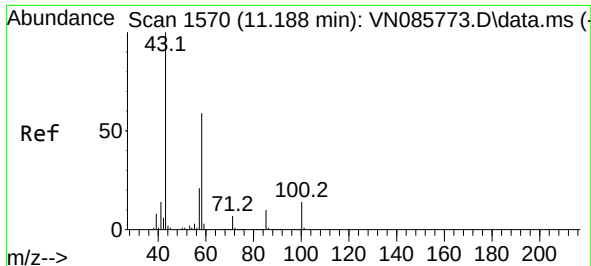
Tgt Ion: 98 Resp: 577015
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#56
Ethyl methacrylate
Concen: 0.473 ug/l
RT: 10.865 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VN085863.D
Acq: 26 Feb 2025 11:11

Tgt Ion: 69 Resp: 66
Ion Ratio Lower Upper
69 100
41 0.0 46.0 69.0#
39 0.0 22.0 33.0#

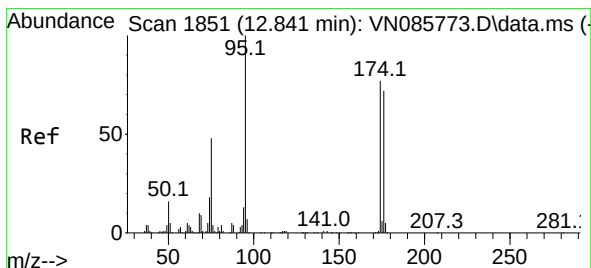
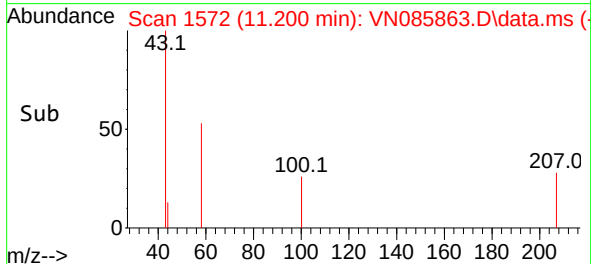
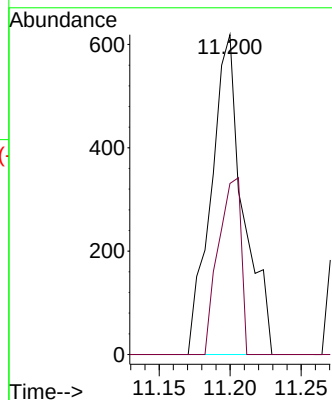
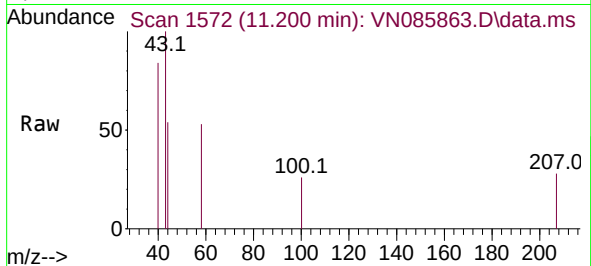




#59
2-Hexanone
Concen: 0.354 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085863.D
Acq: 26 Feb 2025 11:11

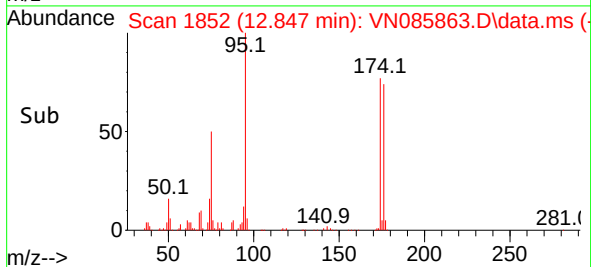
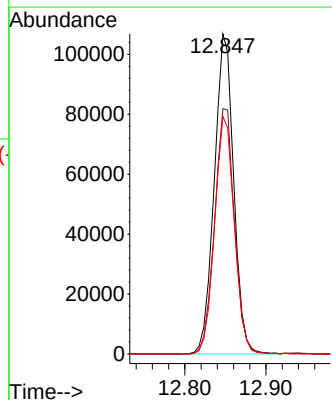
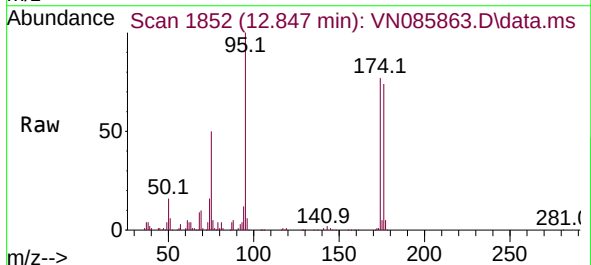
Instrument :
MSVOA_N
ClientSampleId :
VN0226MBL01

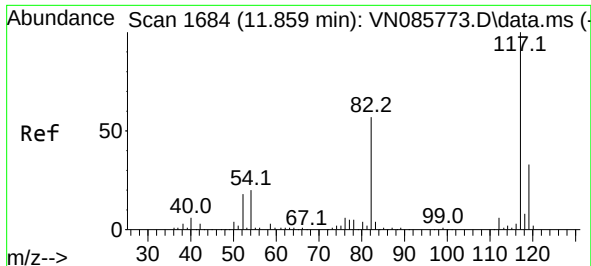
Tgt Ion: 43 Resp: 972
Ion Ratio Lower Upper
43 100
58 39.1 29.8 89.5



#62
4-Bromofluorobenzene
Concen: 41.541 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085863.D
Acq: 26 Feb 2025 11:11

Tgt Ion: 95 Resp: 177231
Ion Ratio Lower Upper
95 100
174 78.8 0.0 152.4
176 75.1 0.0 146.6

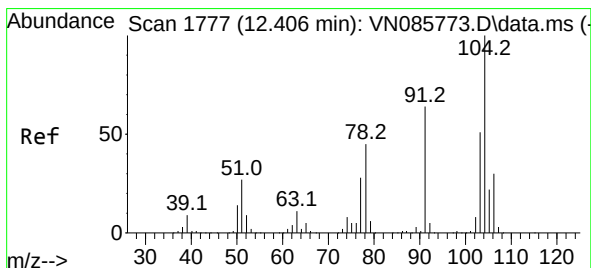
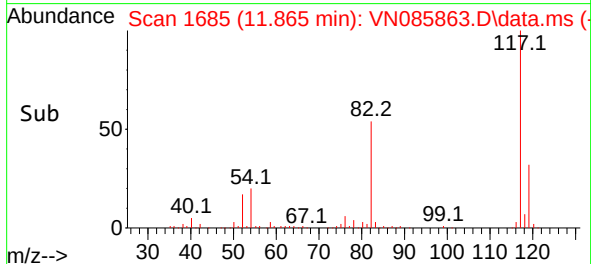
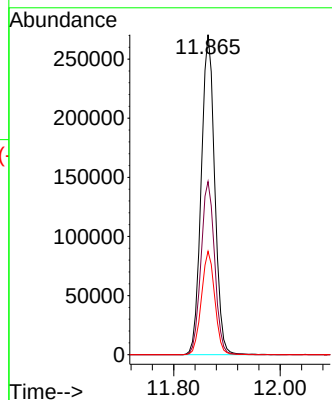
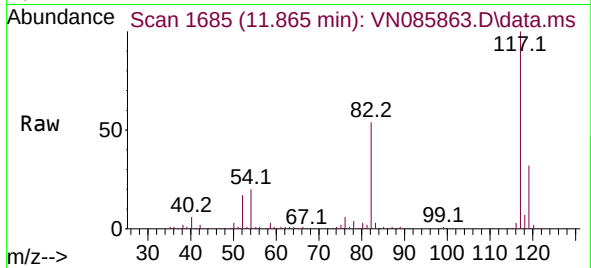




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085863.D
Acq: 26 Feb 2025 11:11

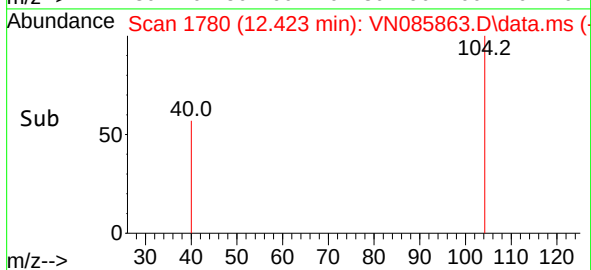
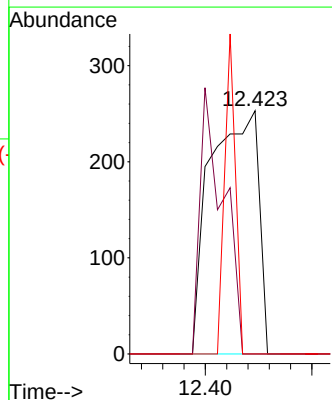
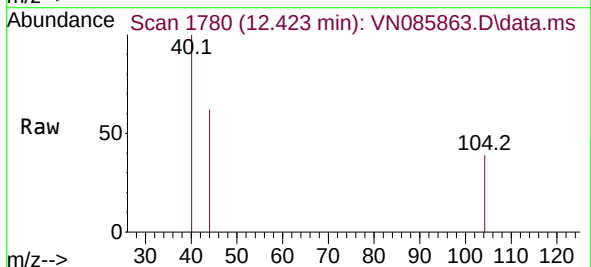
Instrument :
MSVOA_N
ClientSampleId :
VN0226MBL01

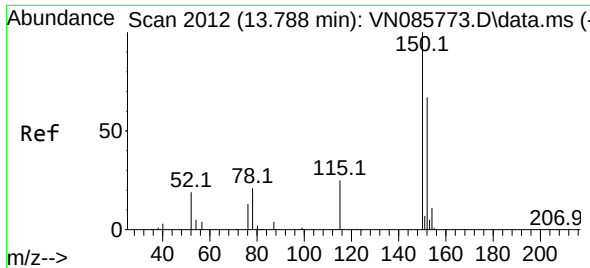
Tgt Ion:117 Resp: 474847
Ion Ratio Lower Upper
117 100
82 54.1 45.7 68.5
119 32.3 26.2 39.2



#70
Styrene
Concen: 0.622 ug/l
RT: 12.423 min Scan# 1780
Delta R.T. 0.017 min
Lab File: VN085863.D
Acq: 26 Feb 2025 11:11

Tgt Ion:104 Resp: 396
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 29.5 43.3 64.9#

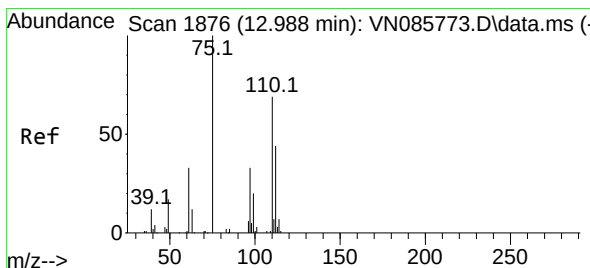
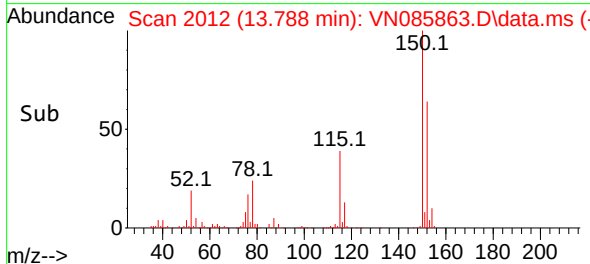
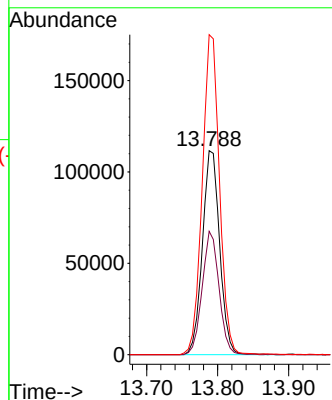
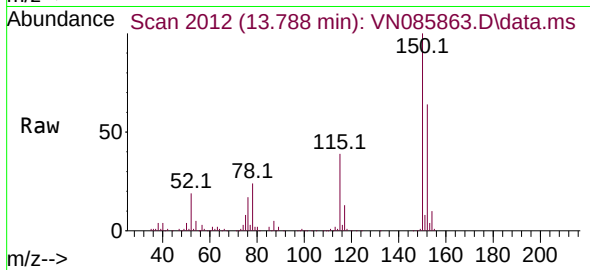




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN085863.D
 Acq: 26 Feb 2025 11:11

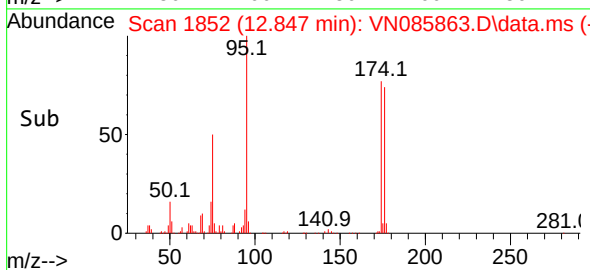
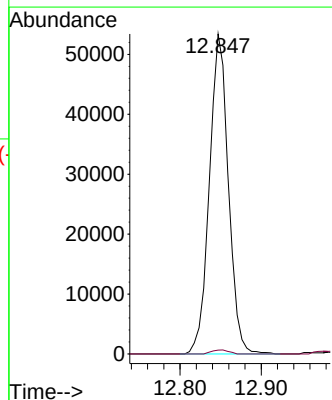
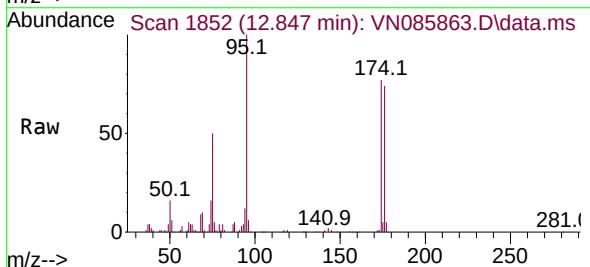
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226MBL01

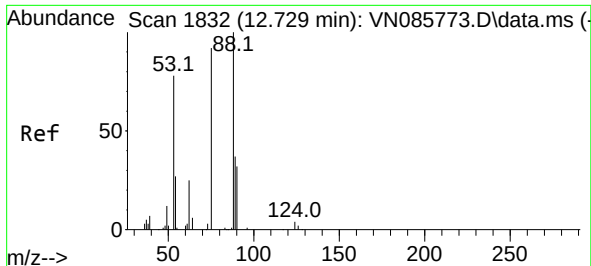
Tgt Ion:152 Resp: 188715
 Ion Ratio Lower Upper
 152 100
 115 59.0 30.4 91.3
 150 156.8 0.0 345.4



#76
 1,2,3-Trichloropropane
 Concen: 20.702 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085863.D
 Acq: 26 Feb 2025 11:11

Tgt Ion: 75 Resp: 86781
 Ion Ratio Lower Upper
 75 100
 77 1.1 100.0 300.0#

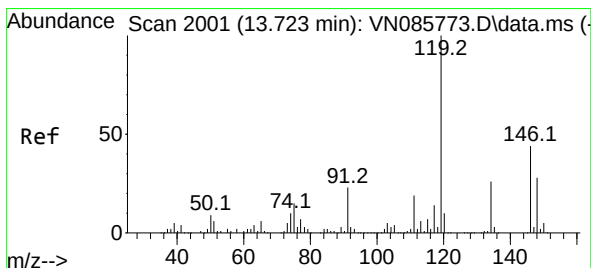
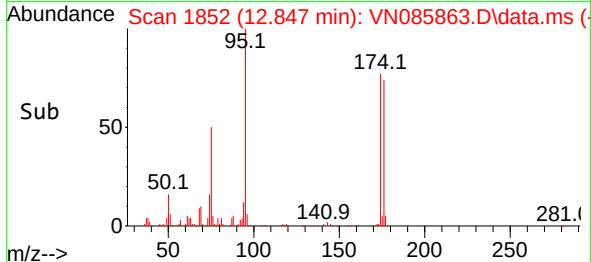
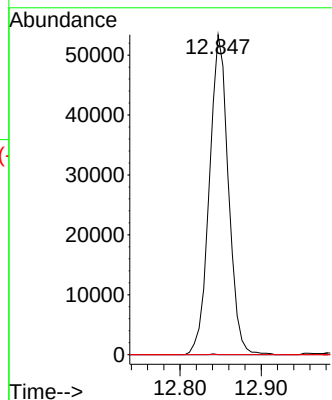
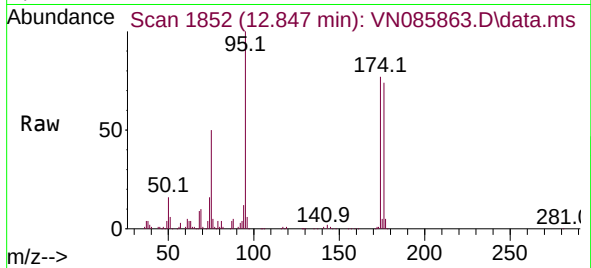




#81
trans-1,4-Dichloro-2-butene
Concen: 60.402 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN085863.D
Acq: 26 Feb 2025 11:11

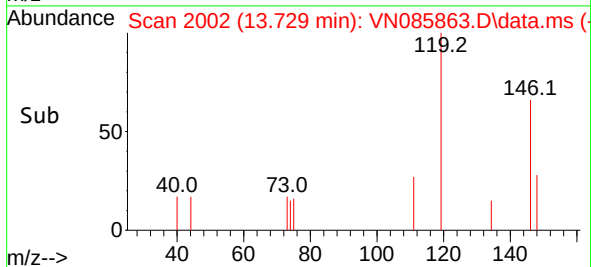
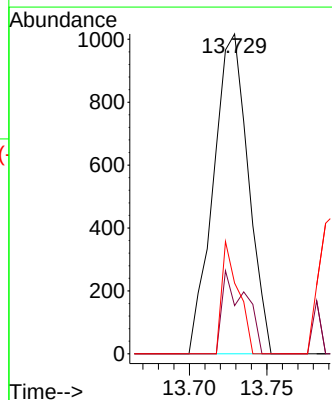
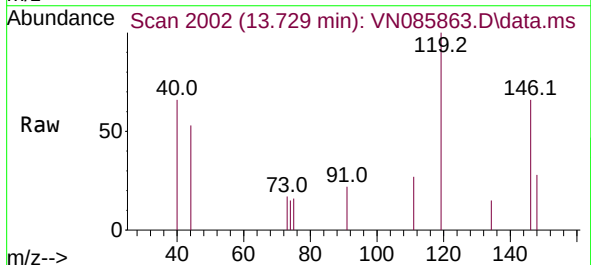
Instrument :
MSVOA_N
ClientSampleId :
VN0226MBL01

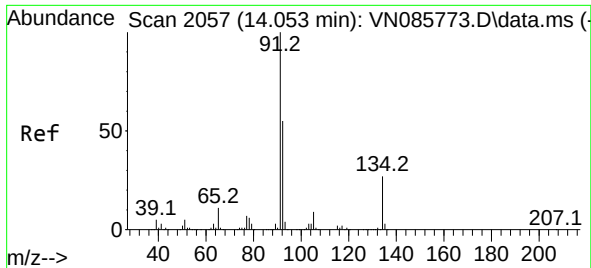
Tgt Ion: 75 Resp: 86781
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.9 52.3#



#86
p-Isopropyltoluene
Concen: 0.773 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085863.D
Acq: 26 Feb 2025 11:11

Tgt Ion: 119 Resp: 1588
Ion Ratio Lower Upper
119 100
134 17.1 13.0 39.0
91 16.6 11.7 35.1

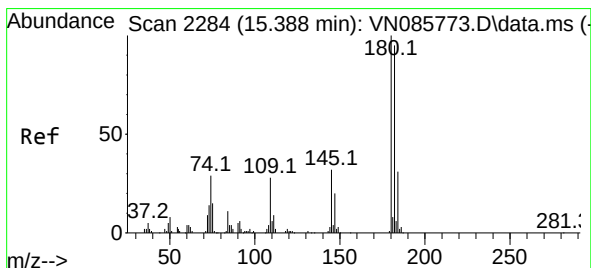
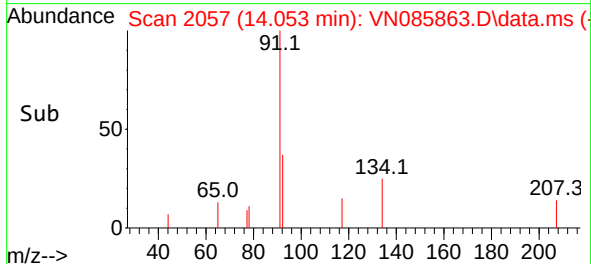
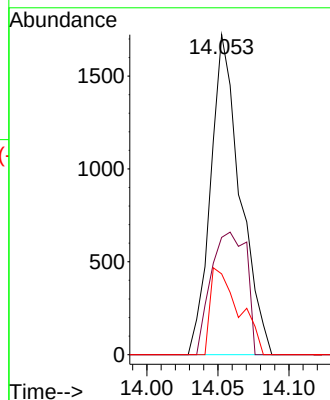
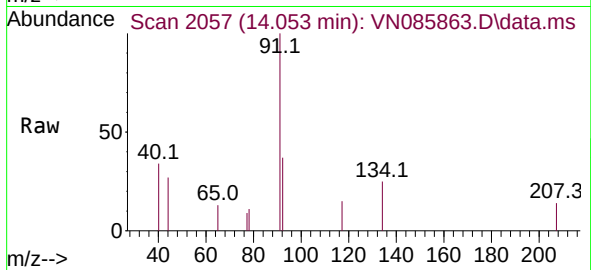




#89
n-Butylbenzene
Concen: 0.281 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085863.D
Acq: 26 Feb 2025 11:11

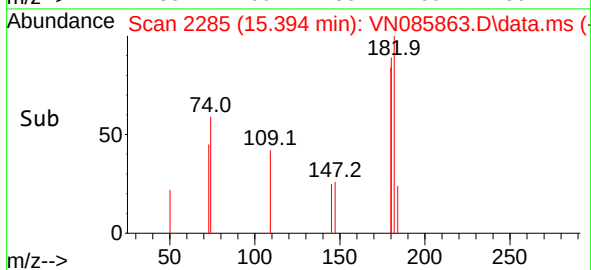
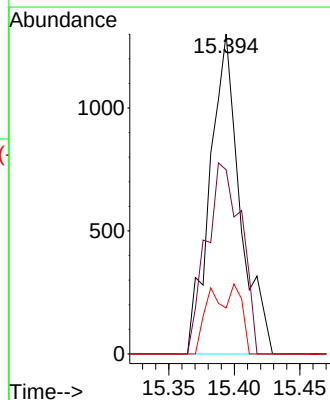
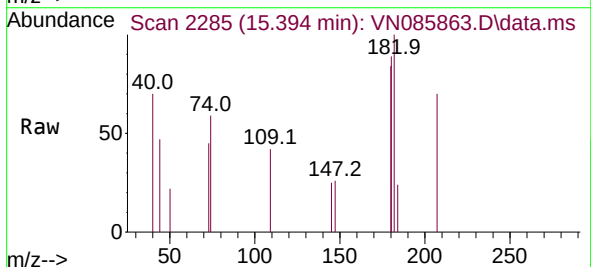
Instrument :
MSVOA_N
ClientSampleId :
VN0226MBL01

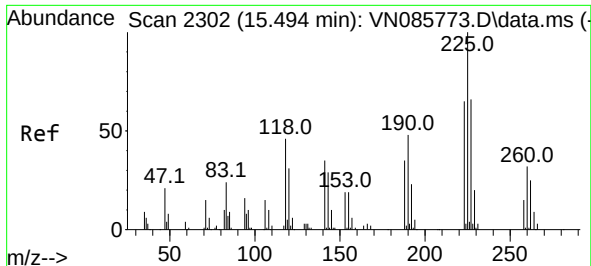
Tgt Ion:	91	Resp:	2497
Ion	Ratio	Lower	Upper
91	100		
92	45.8	27.1	81.3
134	26.0	12.7	38.1



#93
1,2,4-Trichlorobenzene
Concen: 0.692 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN085863.D
Acq: 26 Feb 2025 11:11

Tgt Ion:	180	Resp:	2074
Ion	Ratio	Lower	Upper
180	100		
182	69.5	47.3	141.9
145	22.5	16.2	48.5

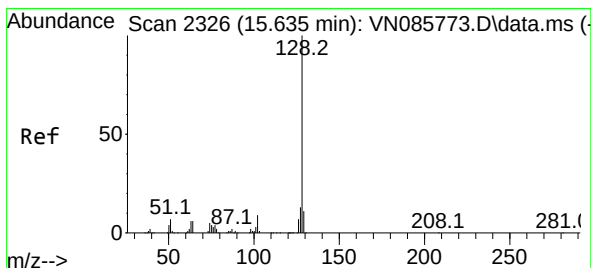
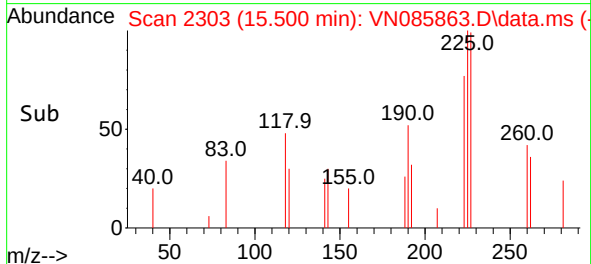
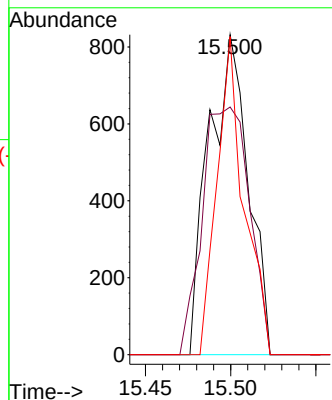
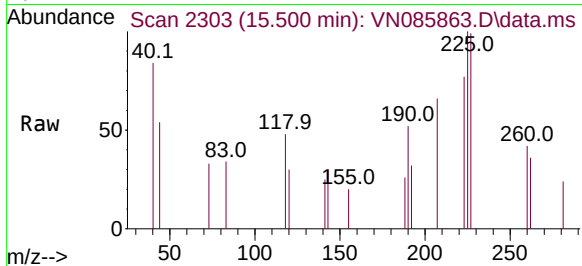




#94
Hexachlorobutadiene
Concen: 0.735 ug/l
RT: 15.500 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN085863.D
Acq: 26 Feb 2025 11:11

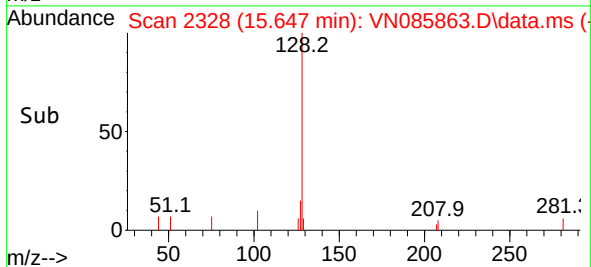
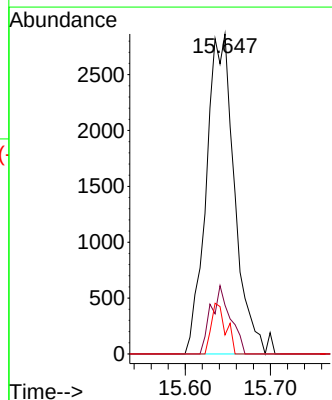
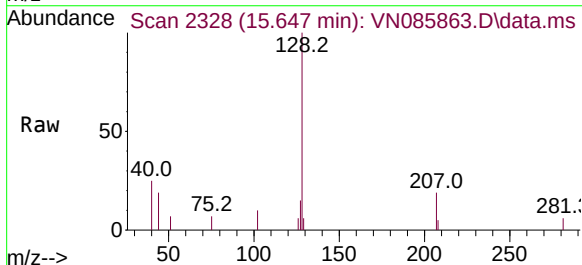
Instrument :
MSVOA_N
ClientSampleId :
VN0226MBL01

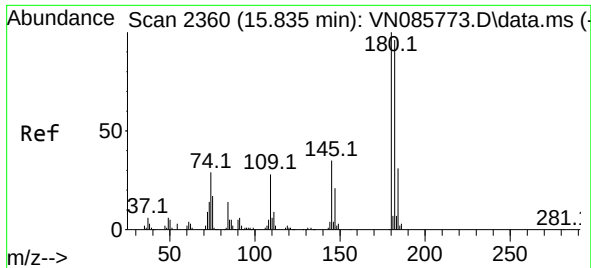
Tgt Ion:225 Resp: 1340
Ion Ratio Lower Upper
225 100
223 92.4 31.9 95.5
227 67.8 32.2 96.6



#95
Naphthalene
Concen: 0.806 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.012 min
Lab File: VN085863.D
Acq: 26 Feb 2025 11:11

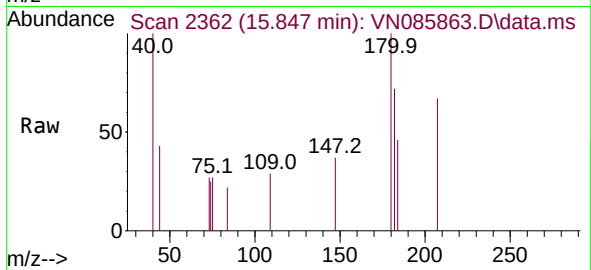
Tgt Ion:128 Resp: 6637
Ion Ratio Lower Upper
128 100
127 14.6 10.2 15.2
129 8.1 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.683 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN085863.D
 Acq: 26 Feb 2025 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226MBL01



Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.3	141.8
145	14.8	16.9	50.6

