

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031425\
 Data File : VN085985.D
 Acq On : 14 Mar 2025 11:42
 Operator : JC\MD
 Sample : VN0314MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314MBL01

Quant Time: Mar 14 23:59:51 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)

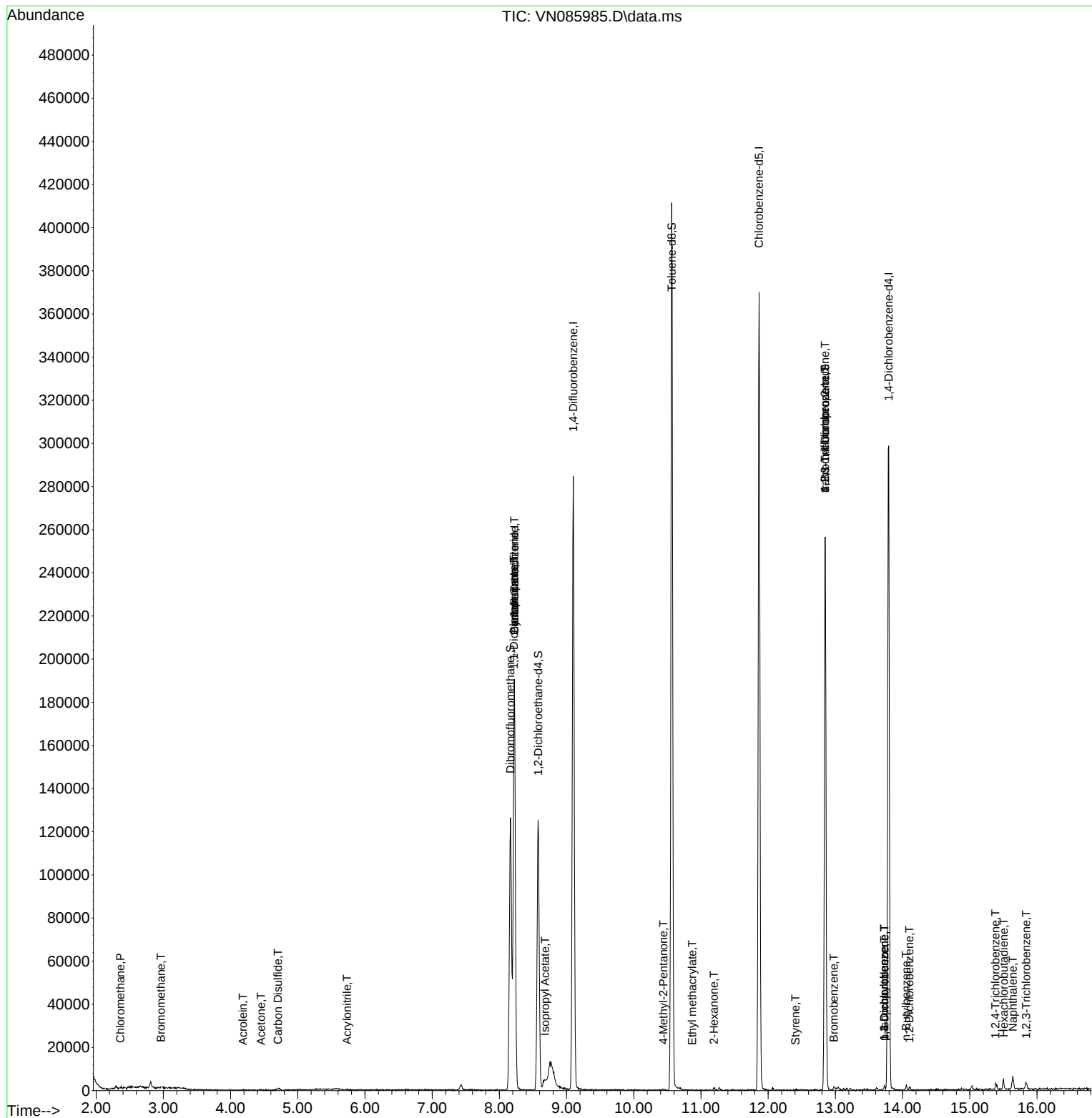
Internal Standards						
1) Pentafluorobenzene	8.224	168	130092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	242482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	217534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	88652	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	105387	62.485	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.960%			
35) Dibromofluoromethane	8.165	113	88580	55.827	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.660%			
50) Toluene-d8	10.565	98	289428	50.136	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.280%			
62) 4-Bromofluorobenzene	12.847	95	90675	47.673	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.340%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	533	0.300	ug/l #	41
5) Bromomethane	2.965	94	559	0.465	ug/l	99
13) Acrolein	4.183	56	142	0.462	ug/l #	15
15) Acrylonitrile	5.736	53	249	0.369	ug/l #	18
16) Acetone	4.453	43	498	0.933	ug/l #	40
17) Carbon Disulfide	4.706	76	1175	0.278	ug/l #	75
31) Cyclohexane	8.224	56	2718	1.128	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	11173	4.976	ug/l #	50
38) Carbon Tetrachloride	8.224	117	14231	5.334	ug/l #	17
43) Isopropyl Acetate	8.682	43	4172	0.748	ug/l #	53
51) 4-Methyl-2-Pentanone	10.441	43	392	0.220	ug/l #	33
56) Ethyl methacrylate	10.870	69	122	0.516	ug/l #	72
59) 2-Hexanone	11.194	43	881	0.719	ug/l	73
70) Styrene	12.406	104	456	0.679	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	45964	23.341	ug/l #	1
77) Bromobenzene	12.976	156	351	0.214	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.847	75	45964	68.103	ug/l #	12
86) p-Isopropyltoluene	13.729	119	1000	0.824	ug/l #	56
87) 1,3-Dichlorobenzene	13.729	146	892	0.290	ug/l	84
88) 1,4-Dichlorobenzene	13.729	146	892	0.283	ug/l	85
89) n-Butylbenzene	14.053	91	1497	0.359	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	1003	0.339	ug/l	83
93) 1,2,4-Trichlorobenzene	15.382	180	1368	0.971	ug/l	88
94) Hexachlorobutadiene	15.505	225	1272	1.486	ug/l	89
95) Naphthalene	15.641	128	6805	1.760	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.841	180	1584	1.120	ug/l	94

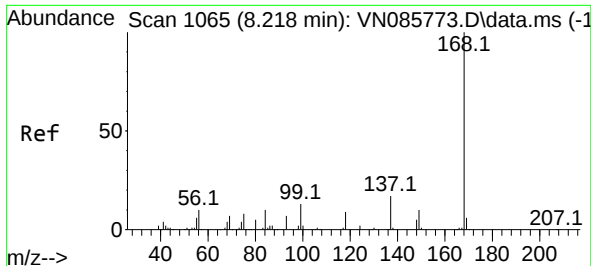
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031425\
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Sample : VN0314MBL01
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QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

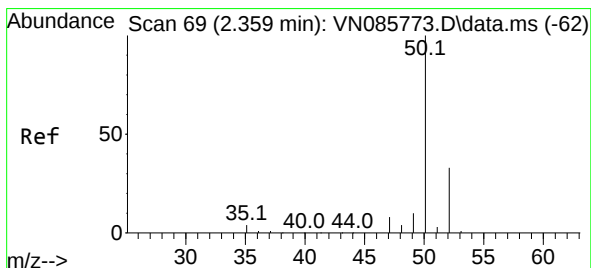
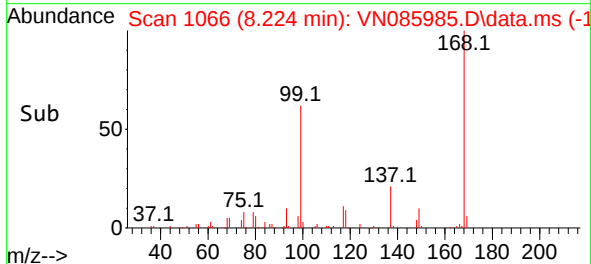
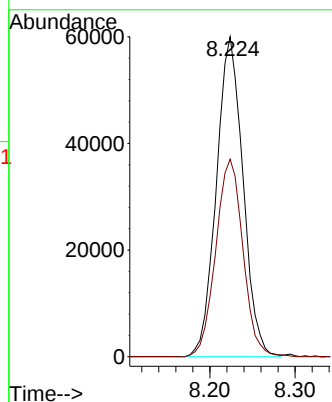
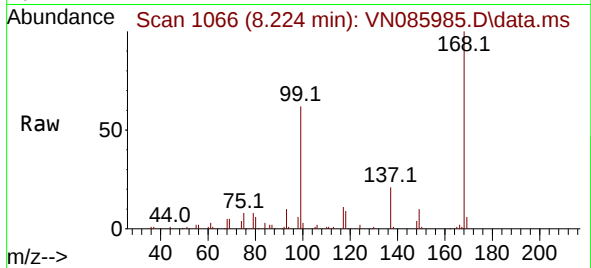




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

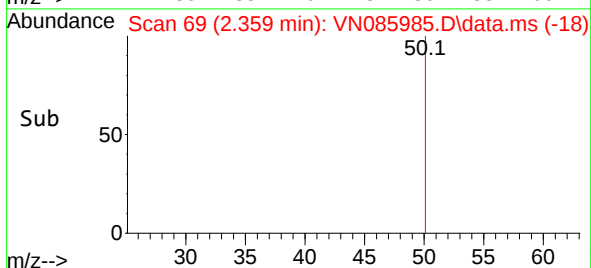
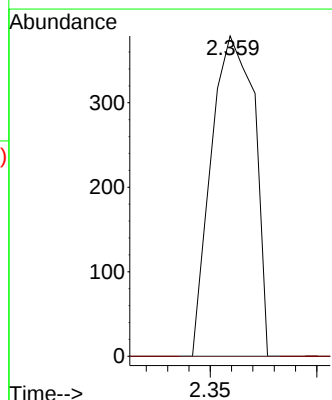
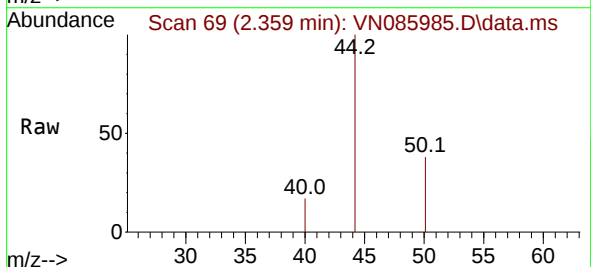
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

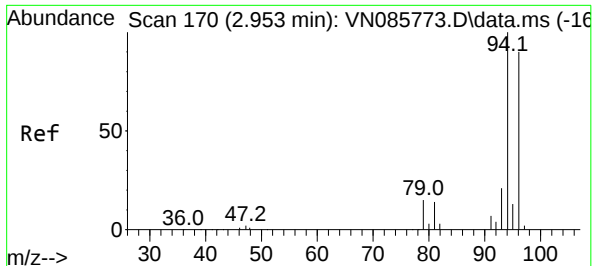
Tgt Ion:168 Resp: 130092
Ion Ratio Lower Upper
168 100
99 61.7 47.9 71.9



#3
Chloromethane
Concen: 0.300 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

Tgt Ion: 50 Resp: 533
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

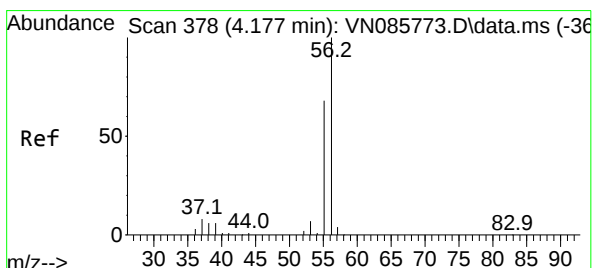
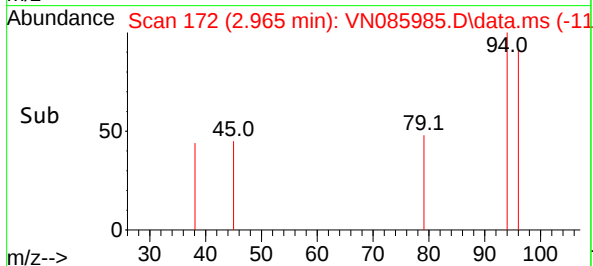
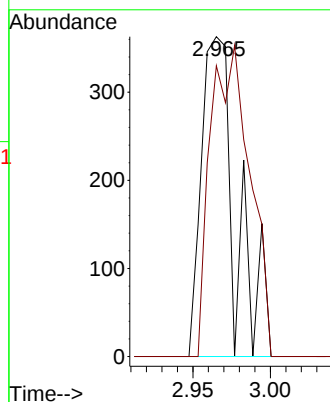
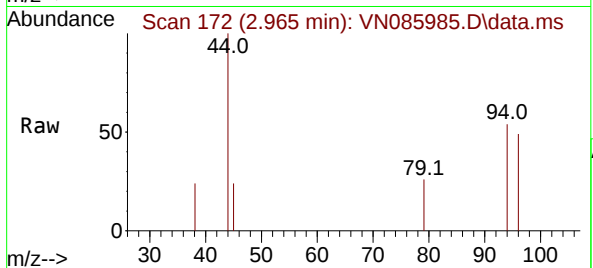




#5
Bromomethane
Concen: 0.465 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

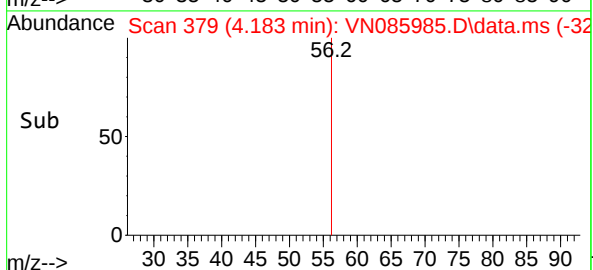
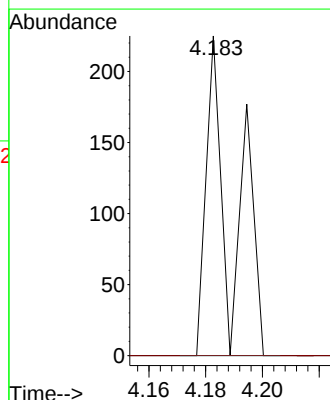
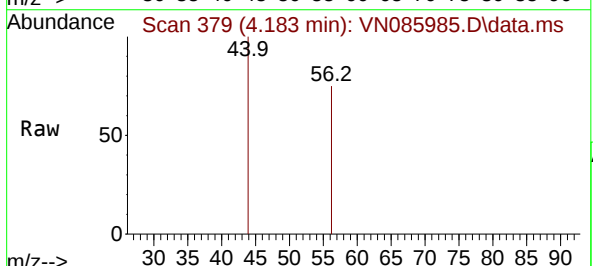
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

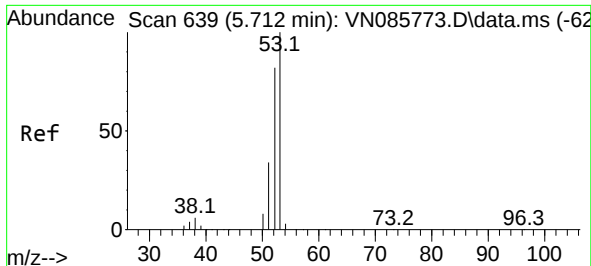
Tgt Ion: 94 Resp: 559
Ion Ratio Lower Upper
94 100
96 90.9 71.7 107.5



#13
Acrolein
Concen: 0.462 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

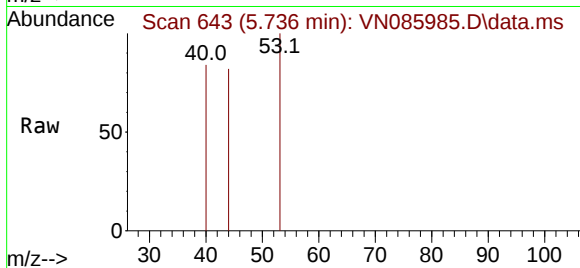
Tgt Ion: 56 Resp: 142
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



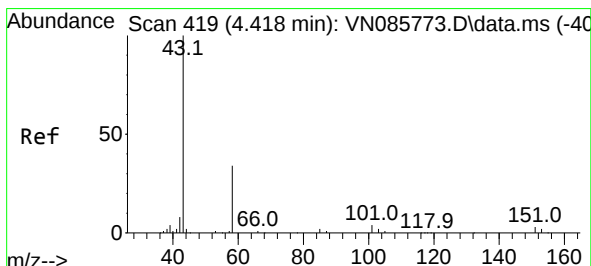
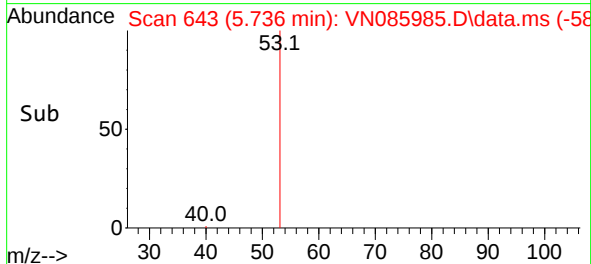
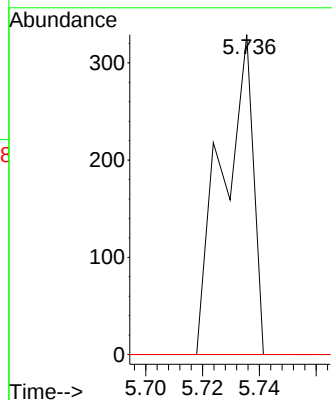


#15
Acrylonitrile
Concen: 0.369 ug/l
RT: 5.736 min Scan# 64
Delta R.T. 0.023 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

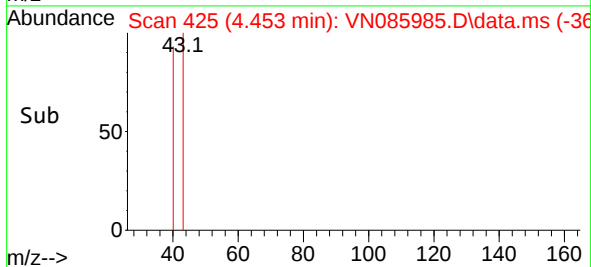
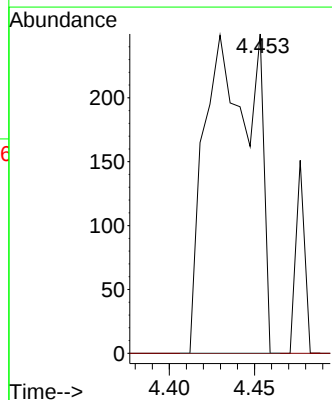
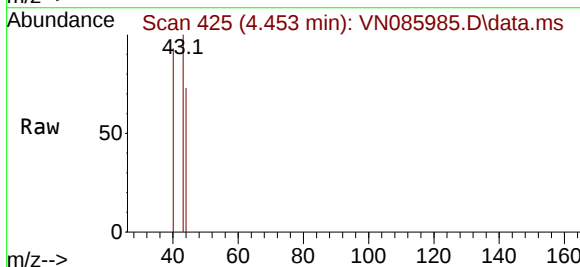


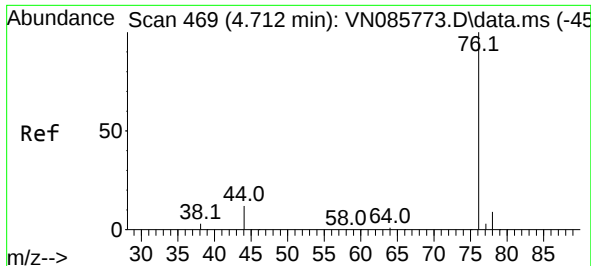
Tgt Ion: 53 Resp: 249
Ion Ratio Lower Upper
53 100
52 0.0 65.8 98.6#
51 0.0 28.6 42.8#



#16
Acetone
Concen: 0.933 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.035 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

Tgt Ion: 43 Resp: 498
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#

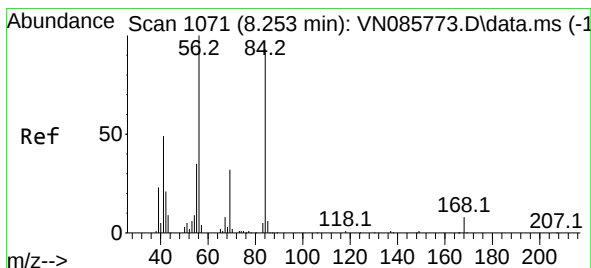
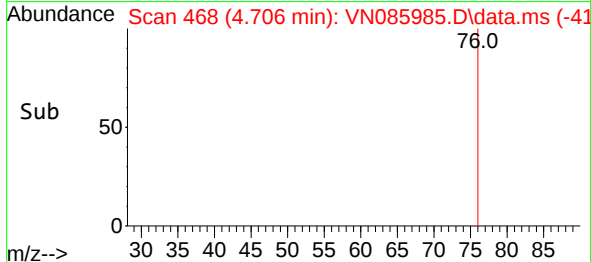
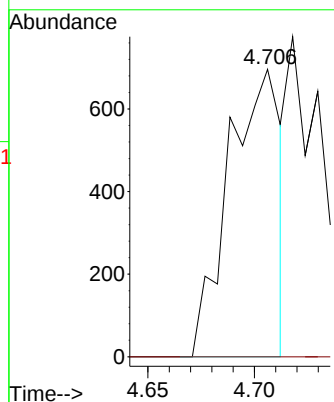
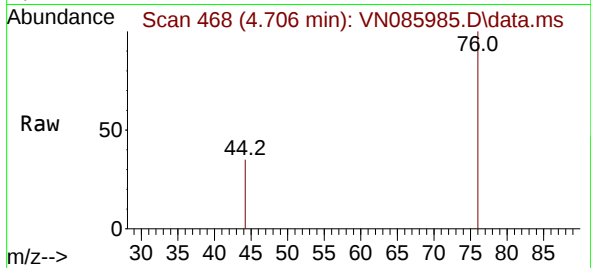




#17
Carbon Disulfide
Concen: 0.278 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

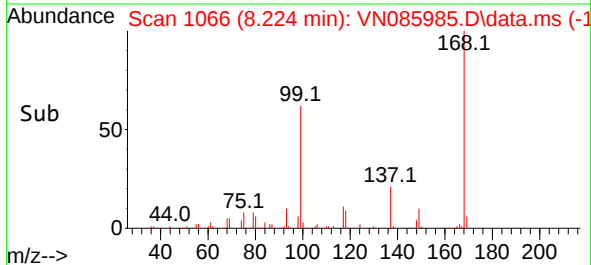
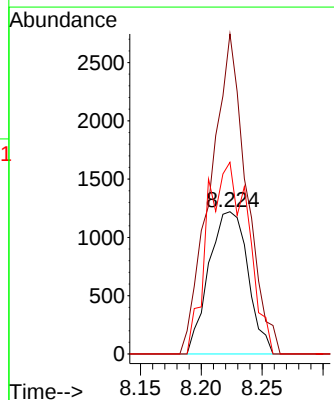
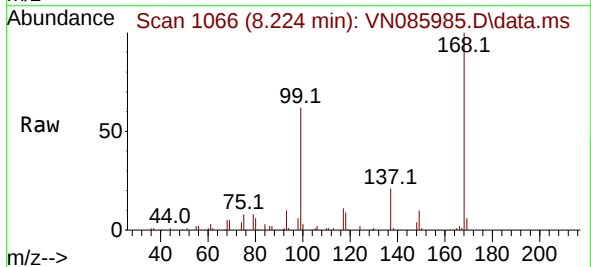
Instrument :
MSVOA_N
ClientSampleId :
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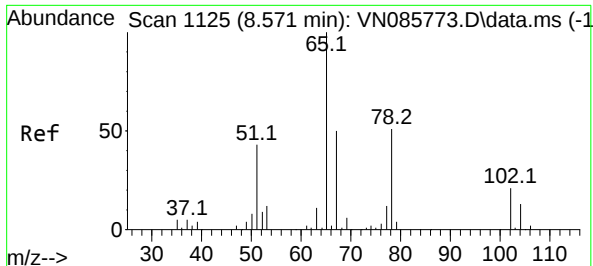
Tgt Ion: 76 Resp: 1175
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#31
Cyclohexane
Concen: 1.128 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

Tgt Ion: 56 Resp: 2718
Ion Ratio Lower Upper
56 100
69 225.0 25.8 38.6#
84 134.8 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 62.485 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085985.D

Acq: 14 Mar 2025 11:42

Instrument :

MSVOA_N

ClientSampleId :

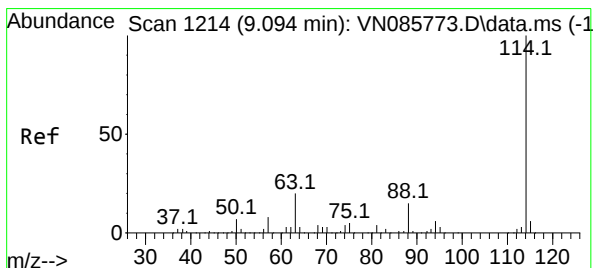
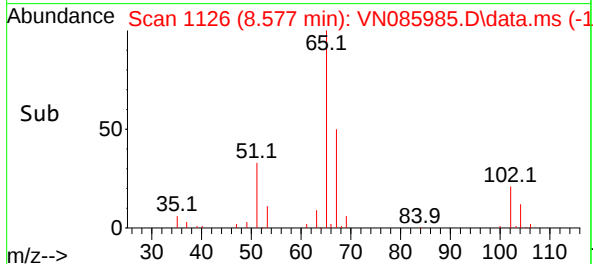
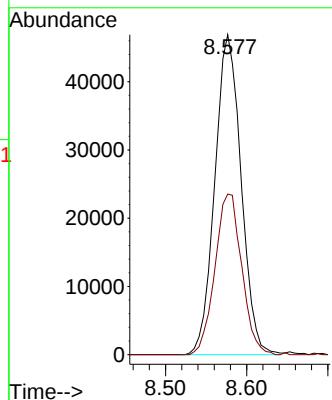
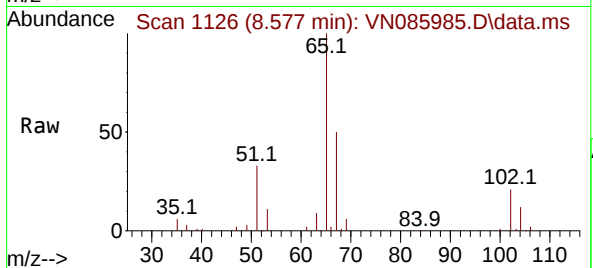
VN0314MBL01

Tgt Ion: 65 Resp: 105387

Ion Ratio Lower Upper

65 100

67 51.2 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085985.D

Acq: 14 Mar 2025 11:42

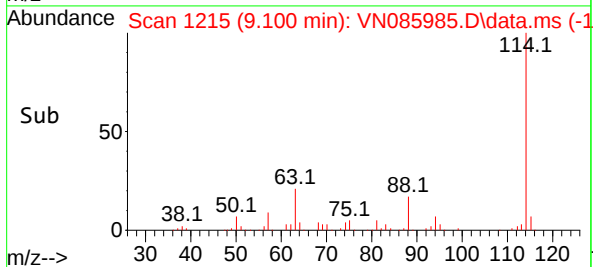
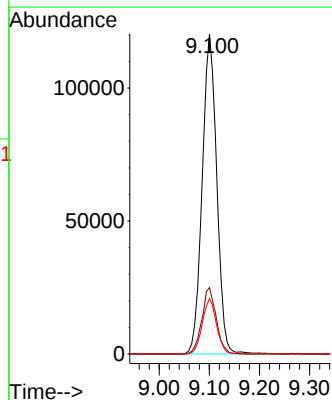
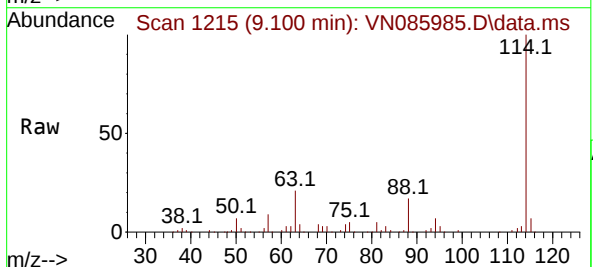
Tgt Ion: 114 Resp: 242482

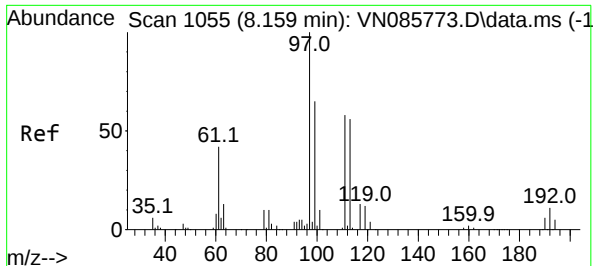
Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.2

88 17.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 55.827 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085985.D

Acq: 14 Mar 2025 11:42

Instrument :

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ClientSampleId :

VN0314MBL01

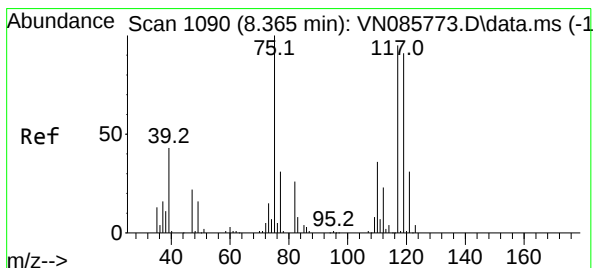
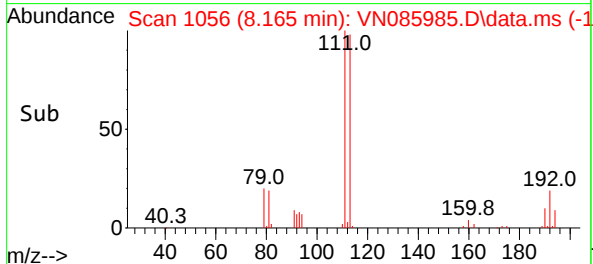
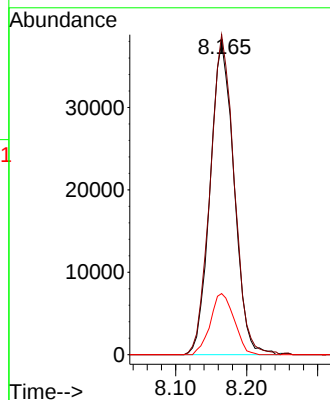
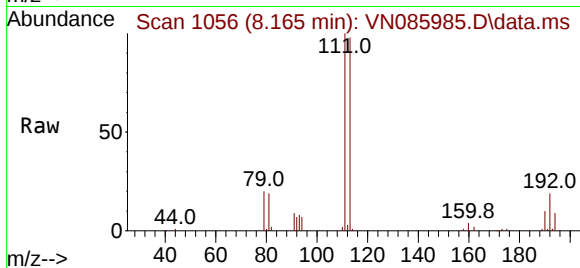
Tgt Ion:113 Resp: 88580

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

192 19.4 14.7 22.1



#36

1,1-Dichloropropene

Concen: 4.976 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085985.D

Acq: 14 Mar 2025 11:42

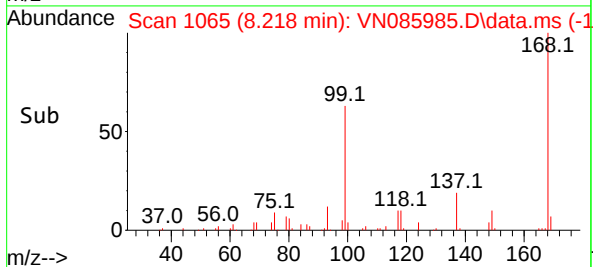
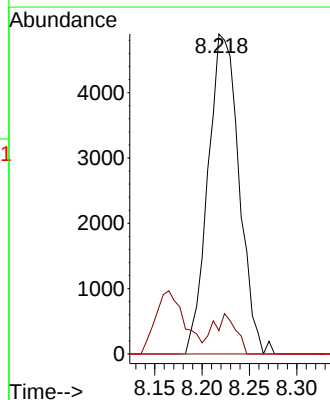
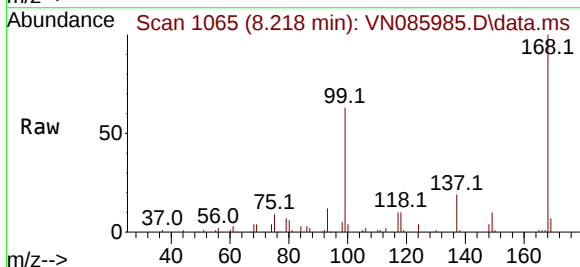
Tgt Ion: 75 Resp: 11173

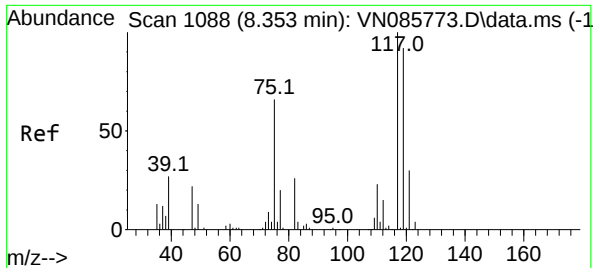
Ion Ratio Lower Upper

75 100

110 9.2 17.3 52.0#

77 0.0 24.6 37.0#

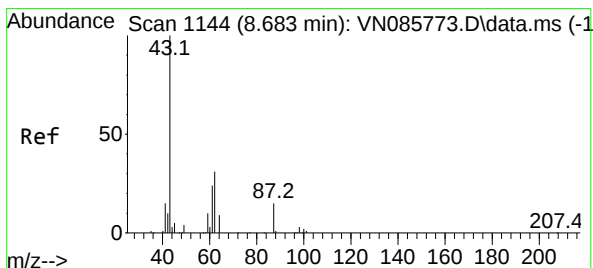
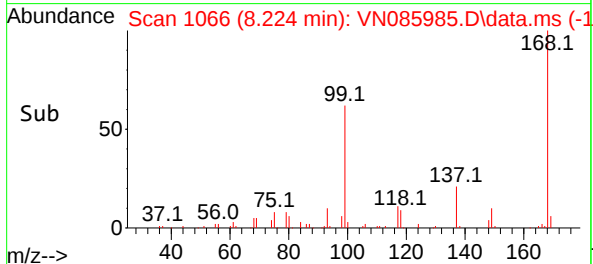
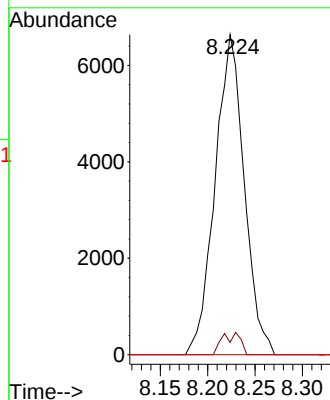
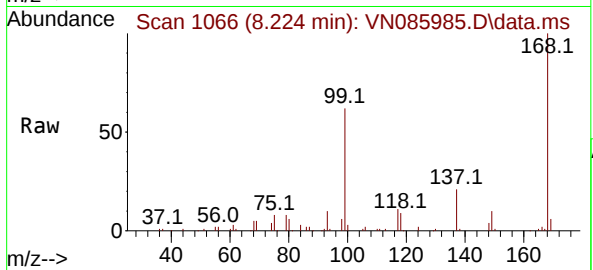




#38
Carbon Tetrachloride
Concen: 5.334 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.130 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

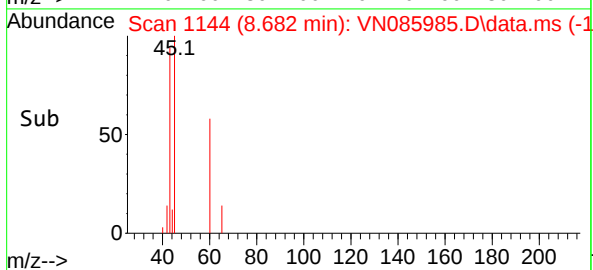
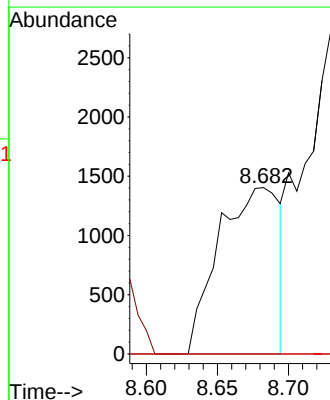
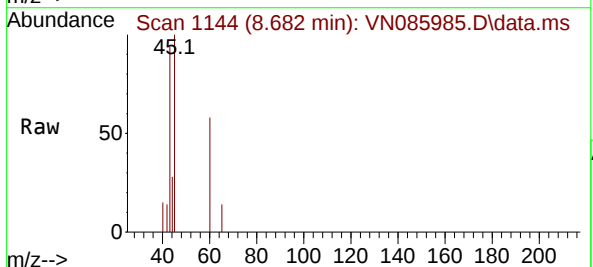
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

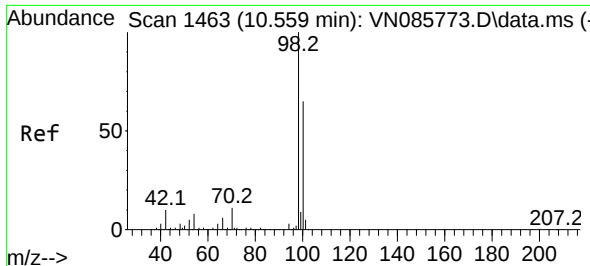
Tgt Ion:117 Resp: 14231
Ion Ratio Lower Upper
117 100
119 3.9 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 0.748 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.001 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

Tgt Ion: 43 Resp: 4172
Ion Ratio Lower Upper
43 100
61 0.0 22.6 34.0#
87 0.0 11.8 17.8#

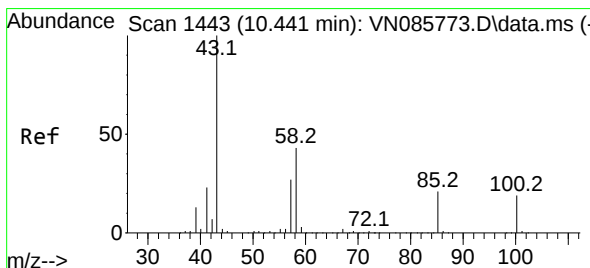
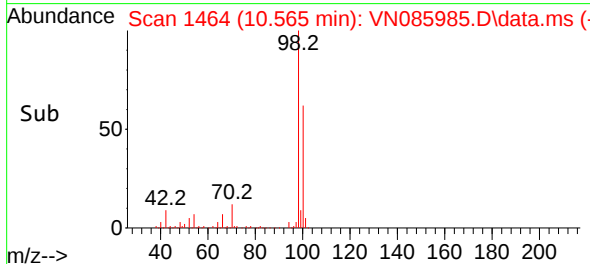
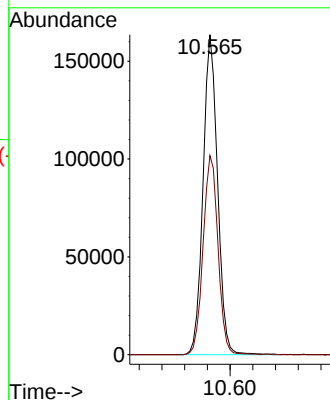
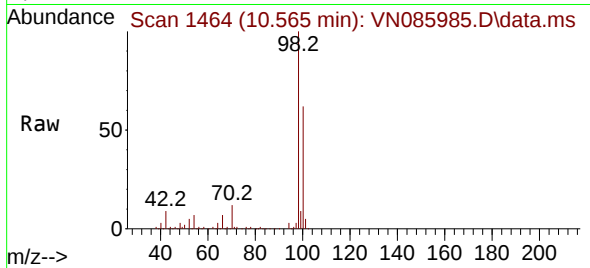




#50
Toluene-d8
Concen: 50.136 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

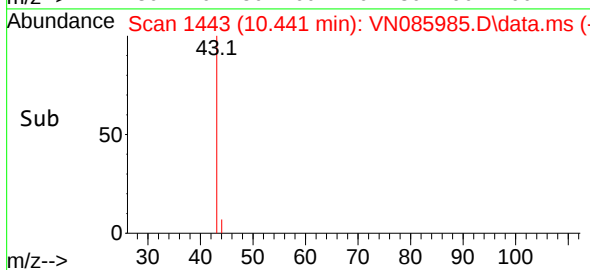
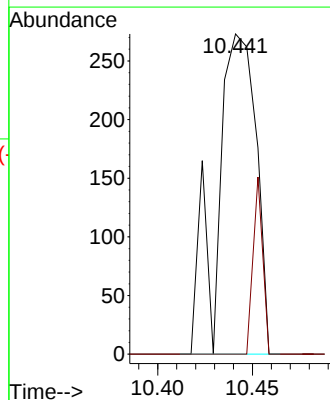
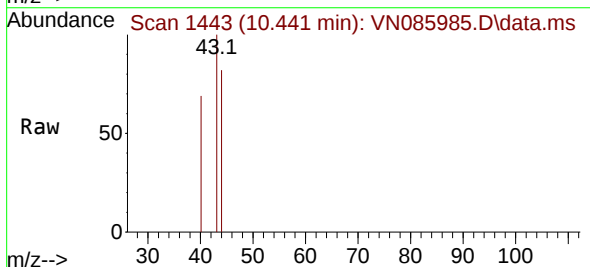
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

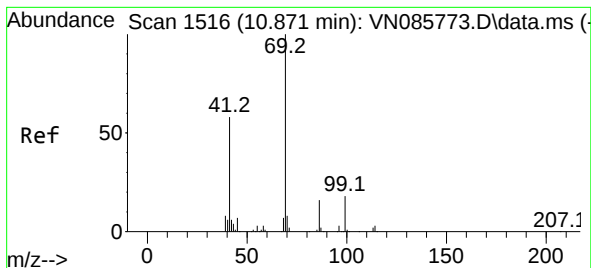
Tgt Ion: 98 Resp: 289428
Ion Ratio Lower Upper
98 100
100 63.8 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.220 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

Tgt Ion: 43 Resp: 392
Ion Ratio Lower Upper
43 100
58 0.0 34.6 52.0#

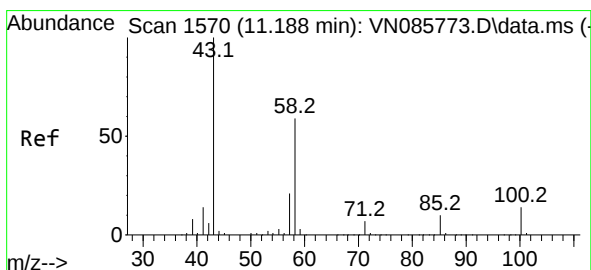
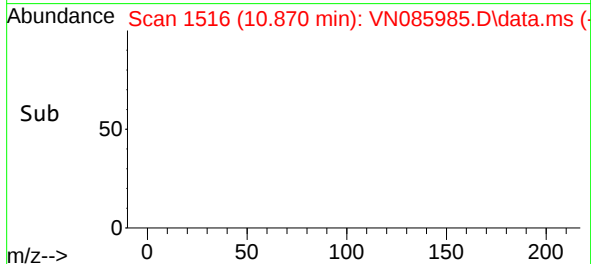
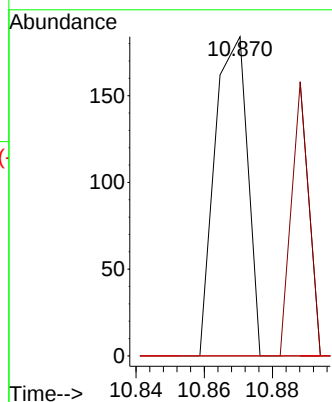
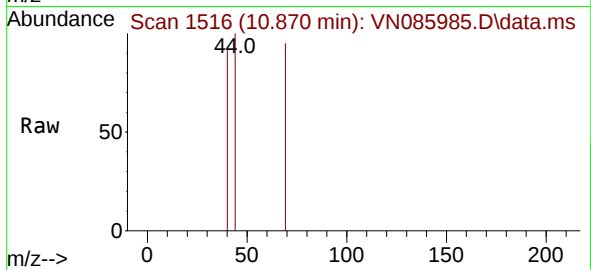




#56
Ethyl methacrylate
Concen: 0.516 ug/l
RT: 10.870 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

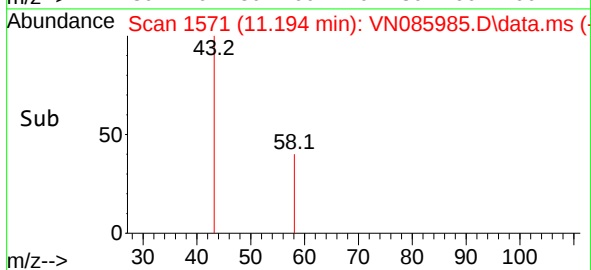
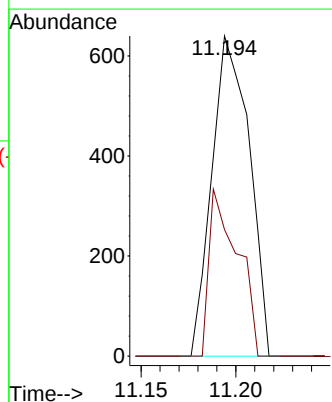
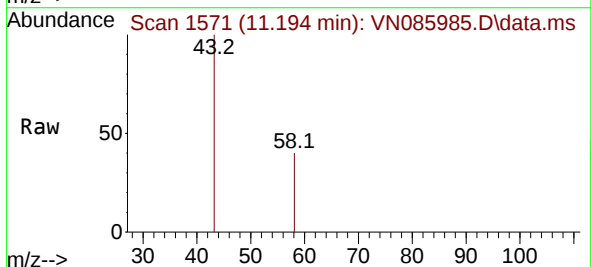
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

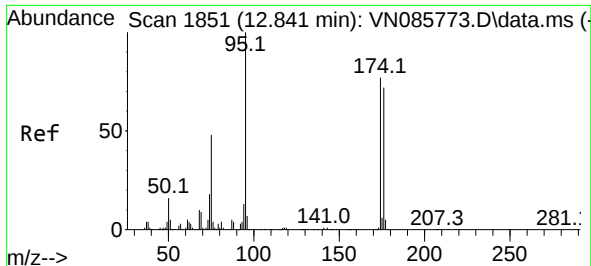
Tgt Ion: 69 Resp: 122
Ion Ratio Lower Upper
69 100
41 45.9 46.0 69.0#
39 0.0 22.0 33.0#



#59
2-Hexanone
Concen: 0.719 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

Tgt Ion: 43 Resp: 881
Ion Ratio Lower Upper
43 100
58 39.6 29.8 89.5

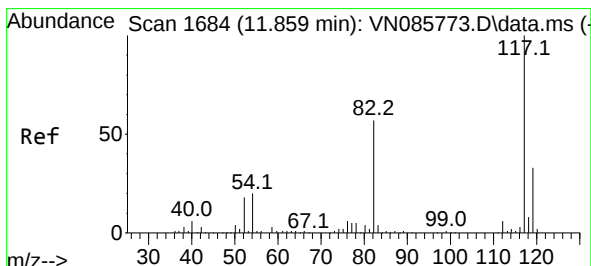
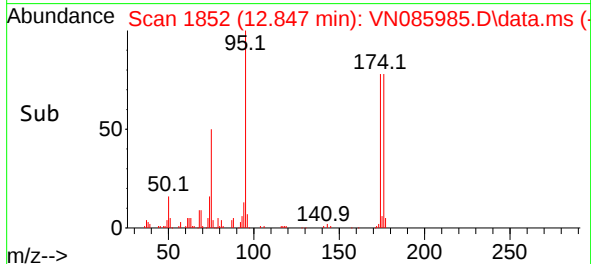
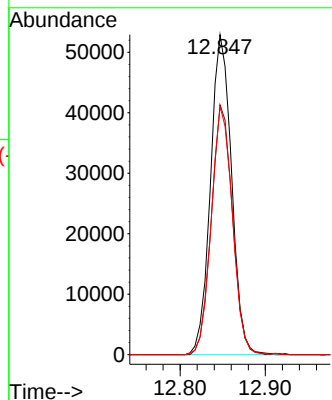
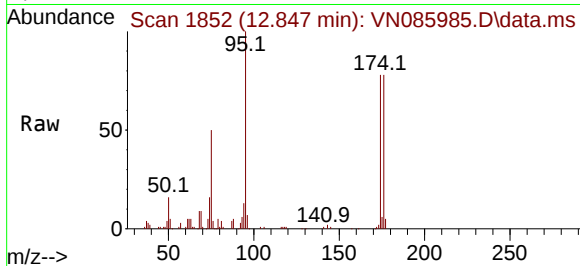




#62
4-Bromofluorobenzene
Concen: 47.673 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

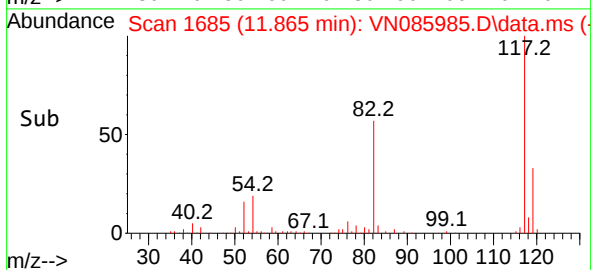
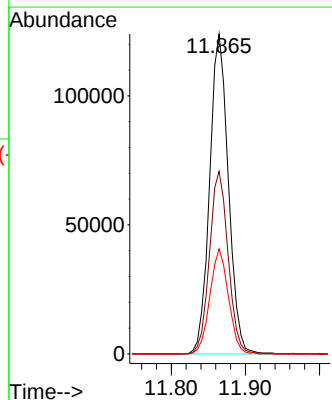
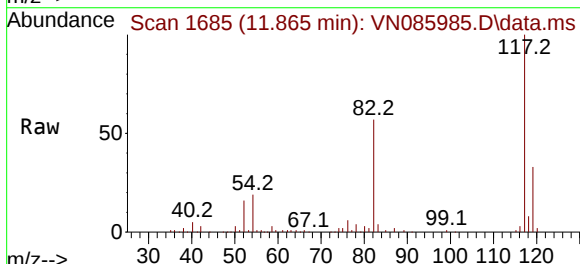
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

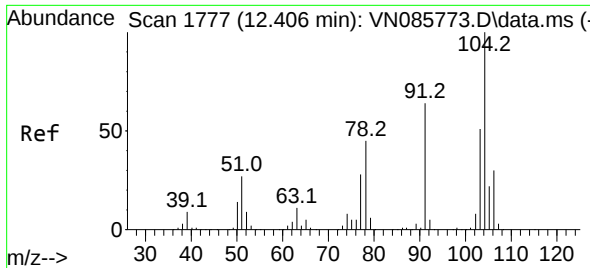
Tgt Ion: 95	Resp: 90675
Ion Ratio	Lower Upper
95 100	
174 78.8	0.0 152.4
176 77.7	0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

Tgt Ion: 117	Resp: 217534
Ion Ratio	Lower Upper
117 100	
82 57.0	45.7 68.5
119 32.9	26.2 39.2

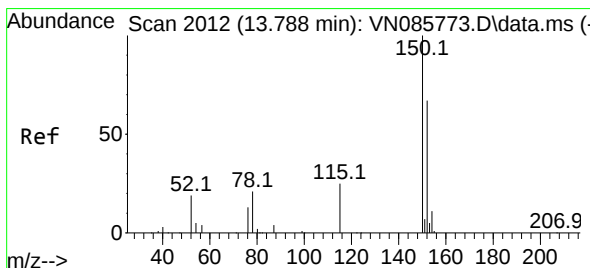
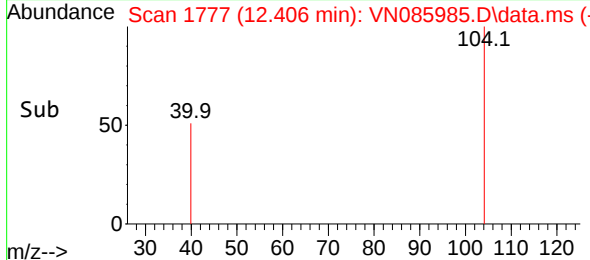
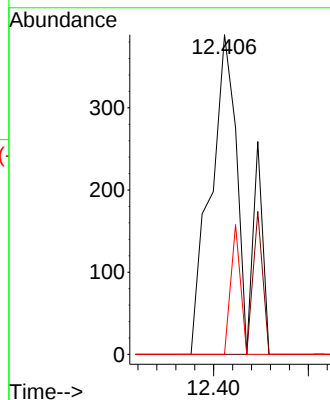
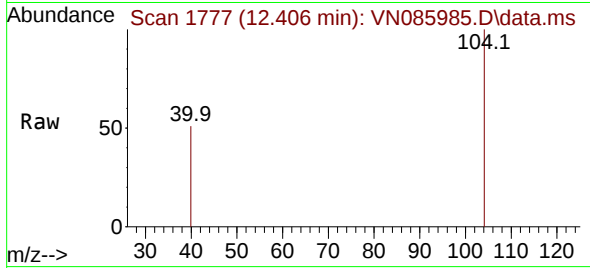




#70
Styrene
Concen: 0.679 ug/l
RT: 12.406 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

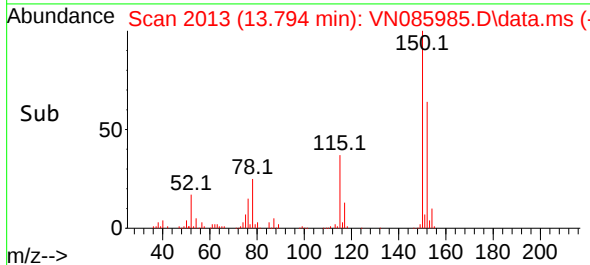
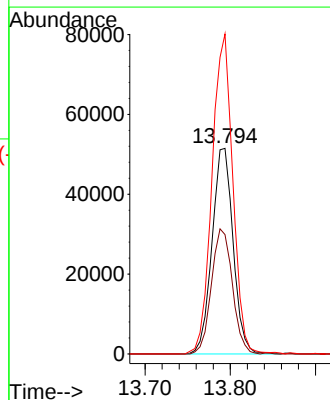
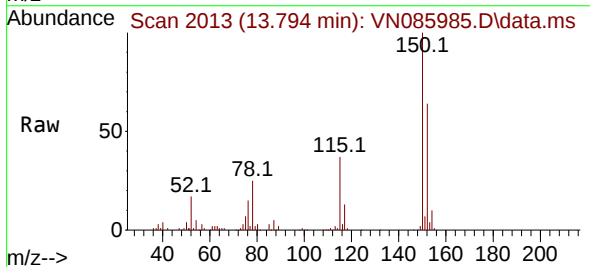
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

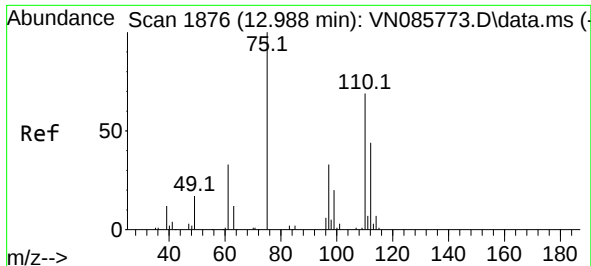
Tgt Ion:104 Resp: 456
Ion Ratio Lower Upper
104 100
78 13.4 39.0 58.6#
103 12.3 43.3 64.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

Tgt Ion:152 Resp: 88652
Ion Ratio Lower Upper
152 100
115 60.2 30.4 91.3
150 153.1 0.0 345.4

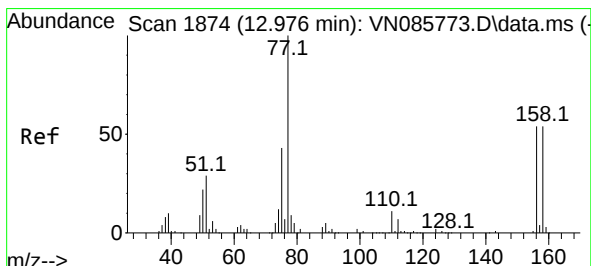
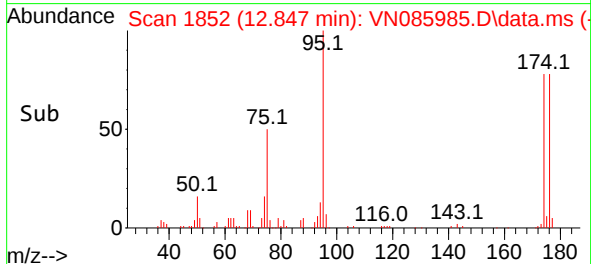
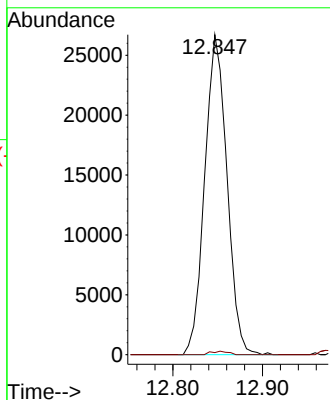
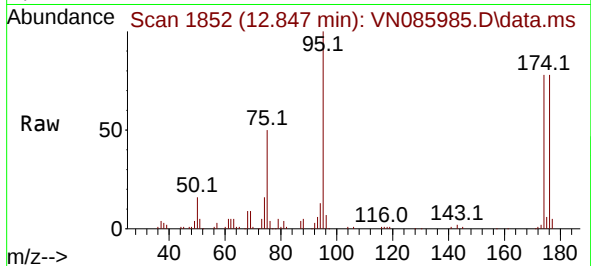




#76
1,2,3-Trichloropropane
Concen: 23.341 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

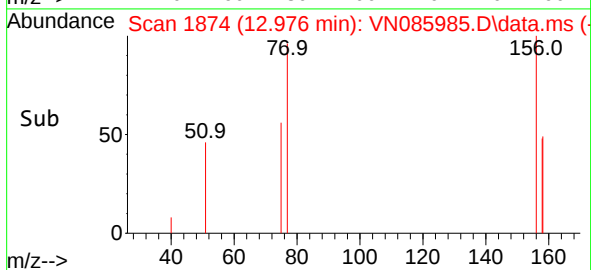
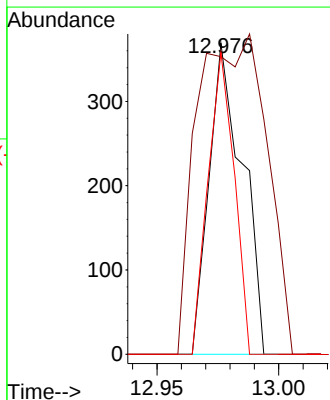
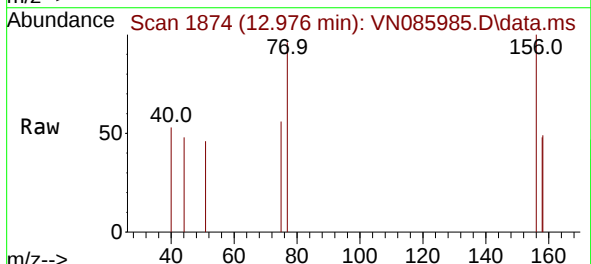
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

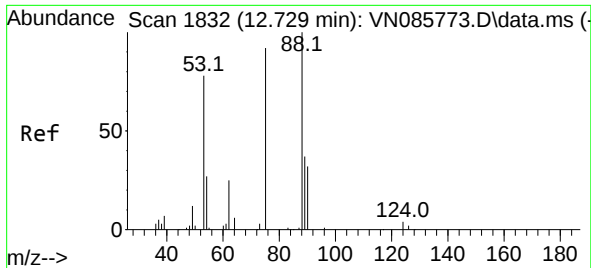
Tgt Ion: 75 Resp: 45964
Ion Ratio Lower Upper
75 100
77 0.8 100.0 300.0#



#77
Bromobenzene
Concen: 0.214 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

Tgt Ion:156 Resp: 351
Ion Ratio Lower Upper
156 100
77 214.0 104.1 312.3
158 76.1 48.1 144.4

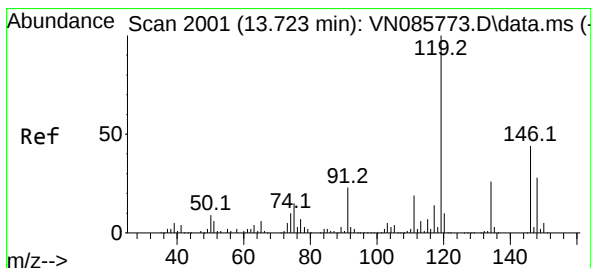
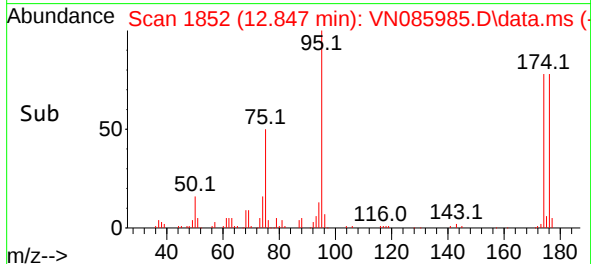
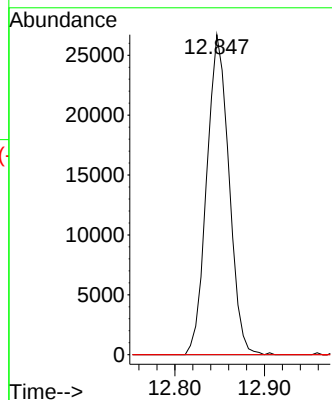
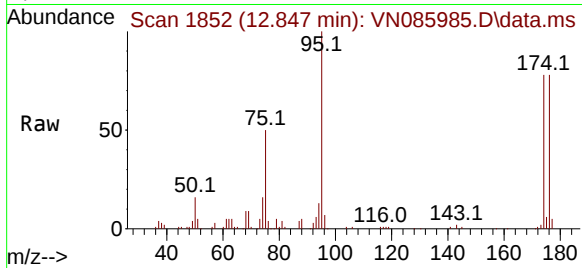




#81
trans-1,4-Dichloro-2-butene
Concen: 68.103 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

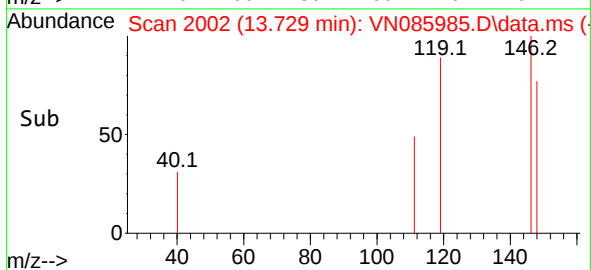
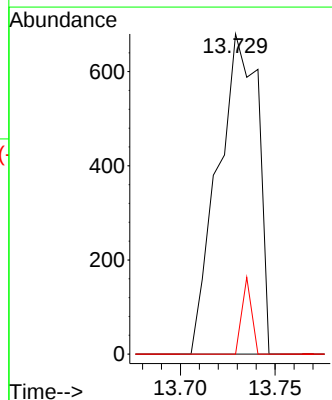
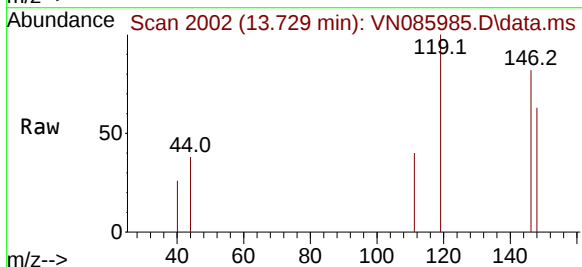
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

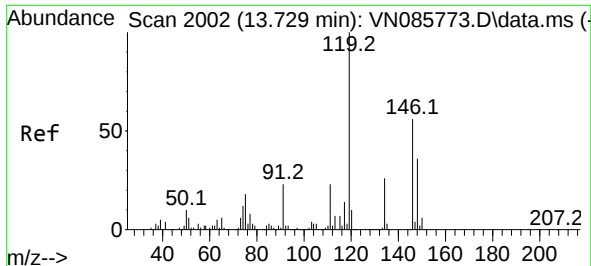
Tgt Ion: 75 Resp: 45964
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#



#86
p-Isopropyltoluene
Concen: 0.824 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

Tgt Ion: 119 Resp: 1000
Ion Ratio Lower Upper
119 100
134 0.0 13.0 39.0#
91 5.7 11.7 35.1#

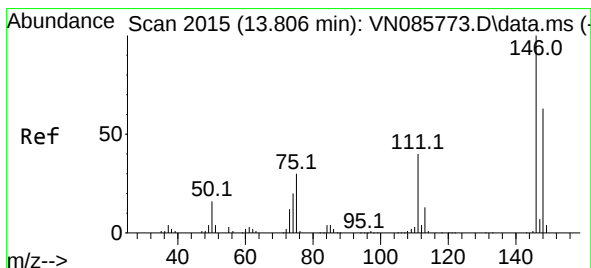
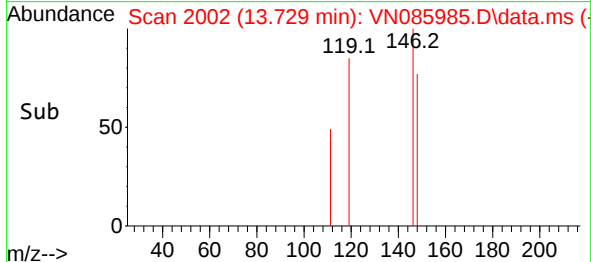
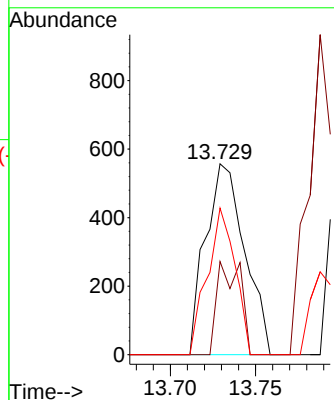
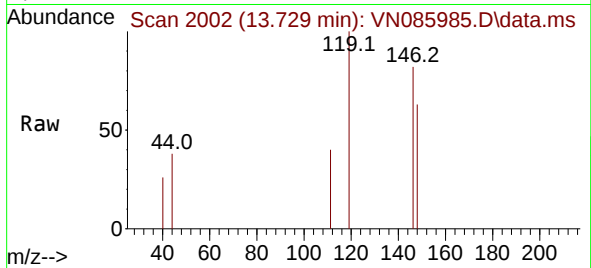




#87
1,3-Dichlorobenzene
Concen: 0.290 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

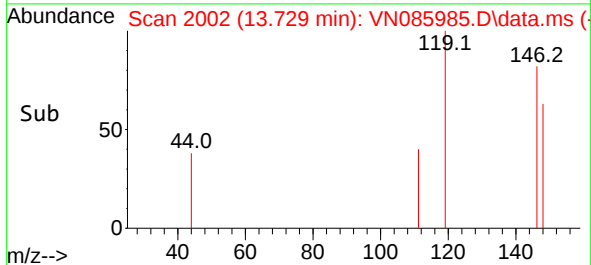
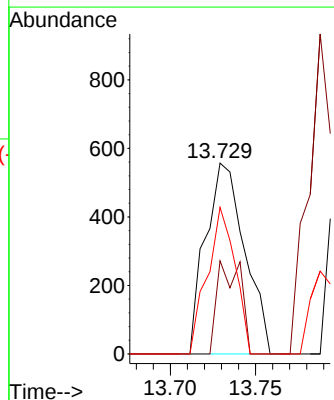
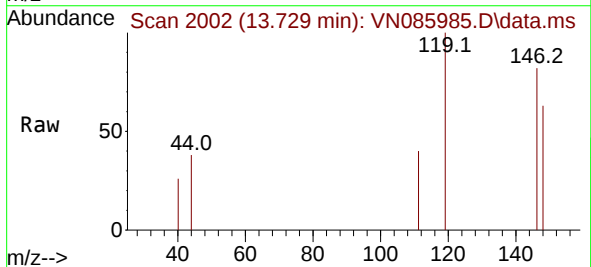
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

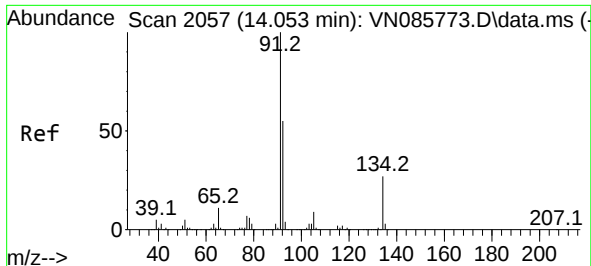
Tgt Ion:146 Resp: 892
Ion Ratio Lower Upper
146 100
111 29.0 21.1 63.3
148 54.5 32.1 96.5



#88
1,4-Dichlorobenzene
Concen: 0.283 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.077 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

Tgt Ion:146 Resp: 892
Ion Ratio Lower Upper
146 100
111 29.0 20.4 61.3
148 54.5 31.8 95.4

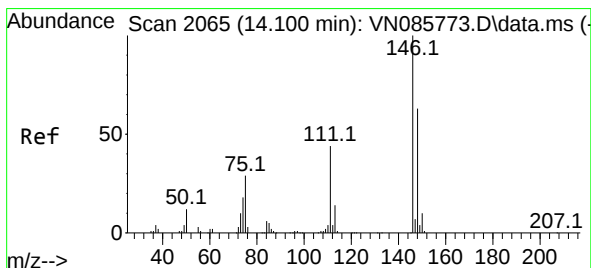
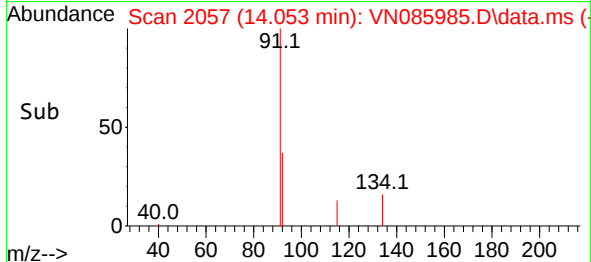
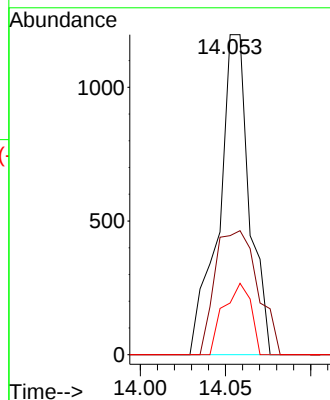
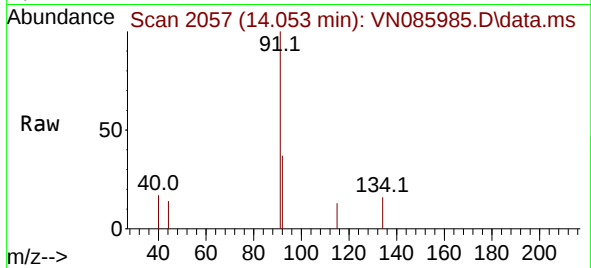




#89
n-Butylbenzene
Concen: 0.359 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

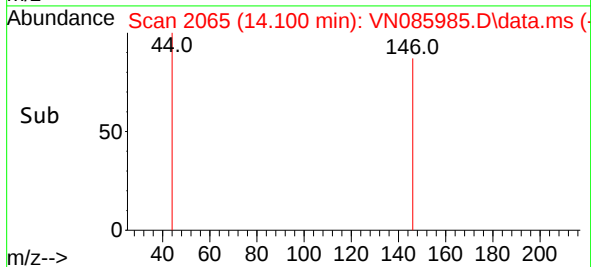
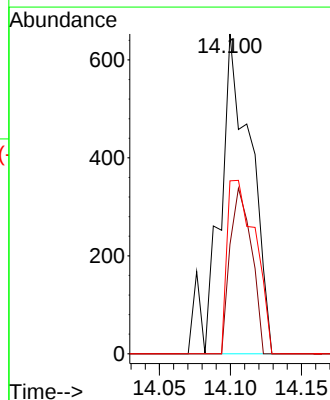
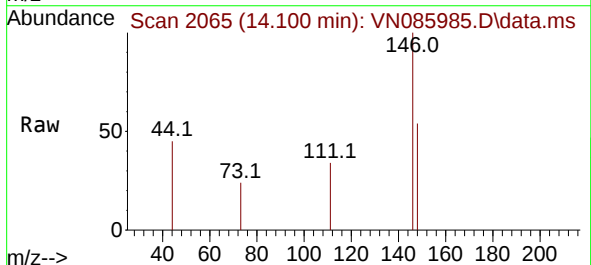
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

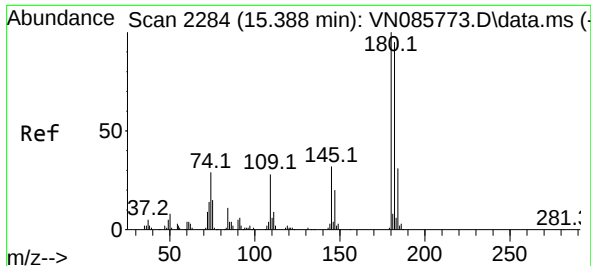
Tgt Ion: 91	Resp:	1497	
Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.1	81.3
134	19.8	12.7	38.1



#91
1,2-Dichlorobenzene
Concen: 0.339 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

Tgt Ion:146	Resp:	1003	
Ion	Ratio	Lower	Upper
146	100		
111	35.5	21.4	64.3
148	48.4	32.0	96.2

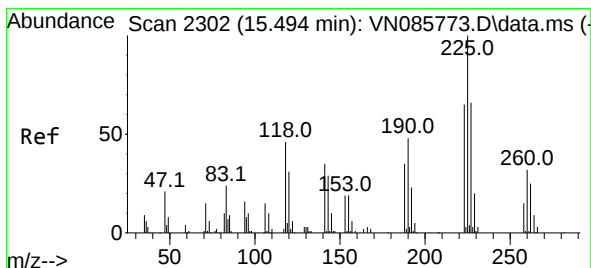
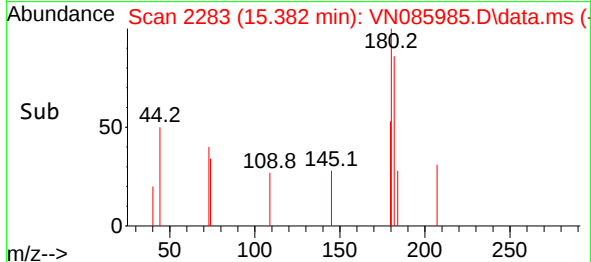
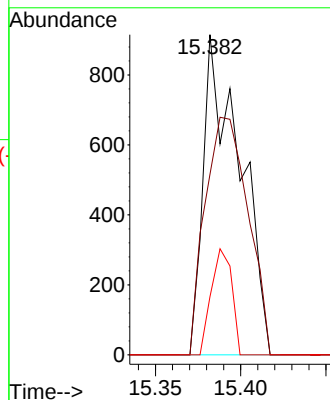
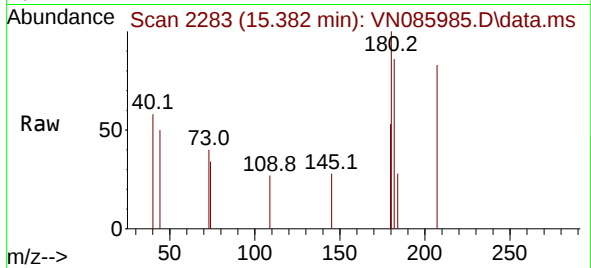




#93
1,2,4-Trichlorobenzene
Concen: 0.971 ug/l
RT: 15.382 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

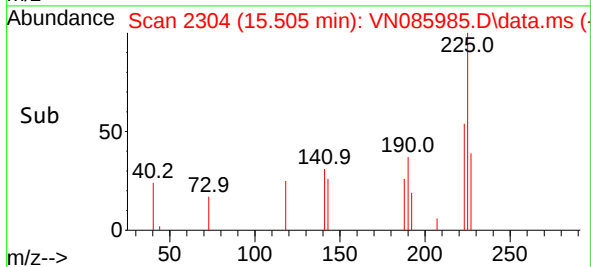
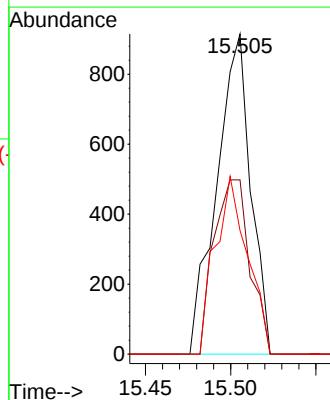
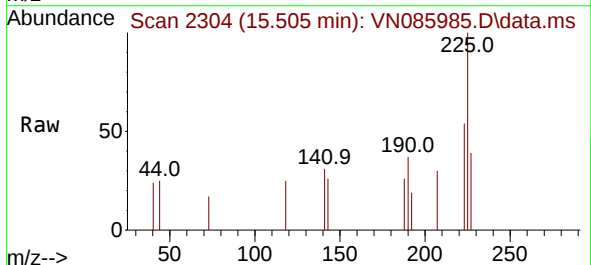
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

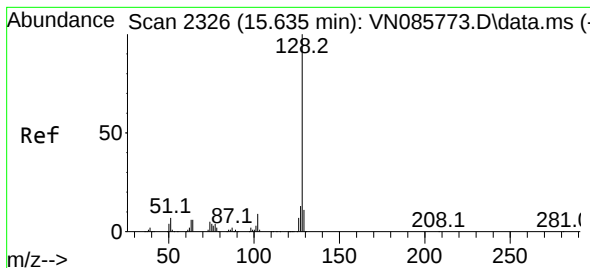
Tgt Ion:180 Resp: 1368
Ion Ratio Lower Upper
180 100
182 87.1 47.3 141.9
145 18.6 16.2 48.5



#94
Hexachlorobutadiene
Concen: 1.486 ug/l
RT: 15.505 min Scan# 2304
Delta R.T. 0.012 min
Lab File: VN085985.D
Acq: 14 Mar 2025 11:42

Tgt Ion:225 Resp: 1272
Ion Ratio Lower Upper
225 100
223 57.5 31.9 95.5
227 53.0 32.2 96.6





#95

Naphthalene

Concen: 1.760 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN085985.D

Acq: 14 Mar 2025 11:42

Instrument :

MSVOA_N

ClientSampleId :

VN0314MBL01

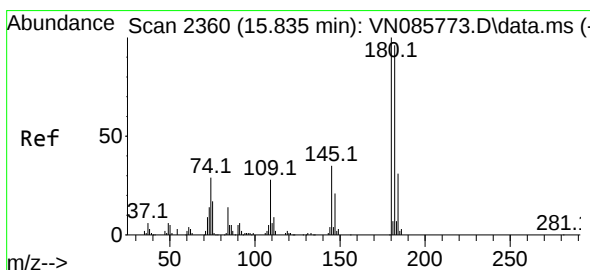
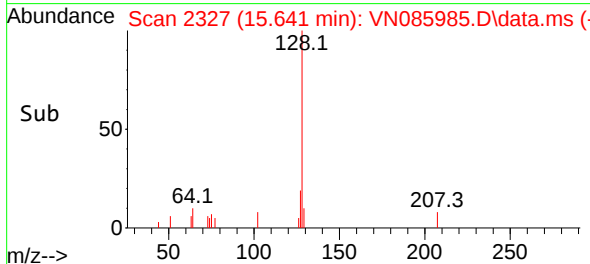
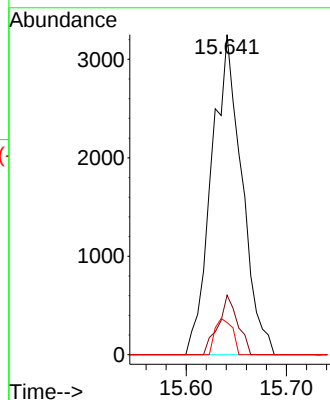
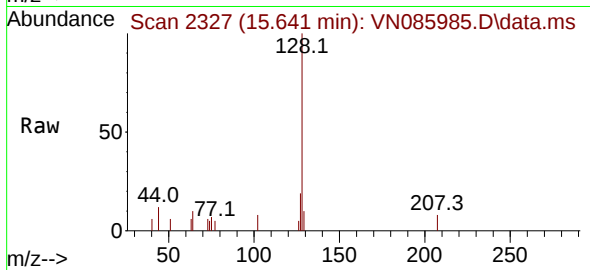
Tgt Ion:128 Resp: 6805

Ion Ratio Lower Upper

128 100

127 11.9 10.2 15.2

129 6.4 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 1.120 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN085985.D

Acq: 14 Mar 2025 11:42

Tgt Ion:180 Resp: 1584

Ion Ratio Lower Upper

180 100

182 99.4 47.3 141.8

145 29.5 16.9 50.6

