

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022425\
 Data File : VN085830.D
 Acq On : 24 Feb 2025 12:15
 Operator : JC\MD
 Sample : VN0224MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 24 12:31:29 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)

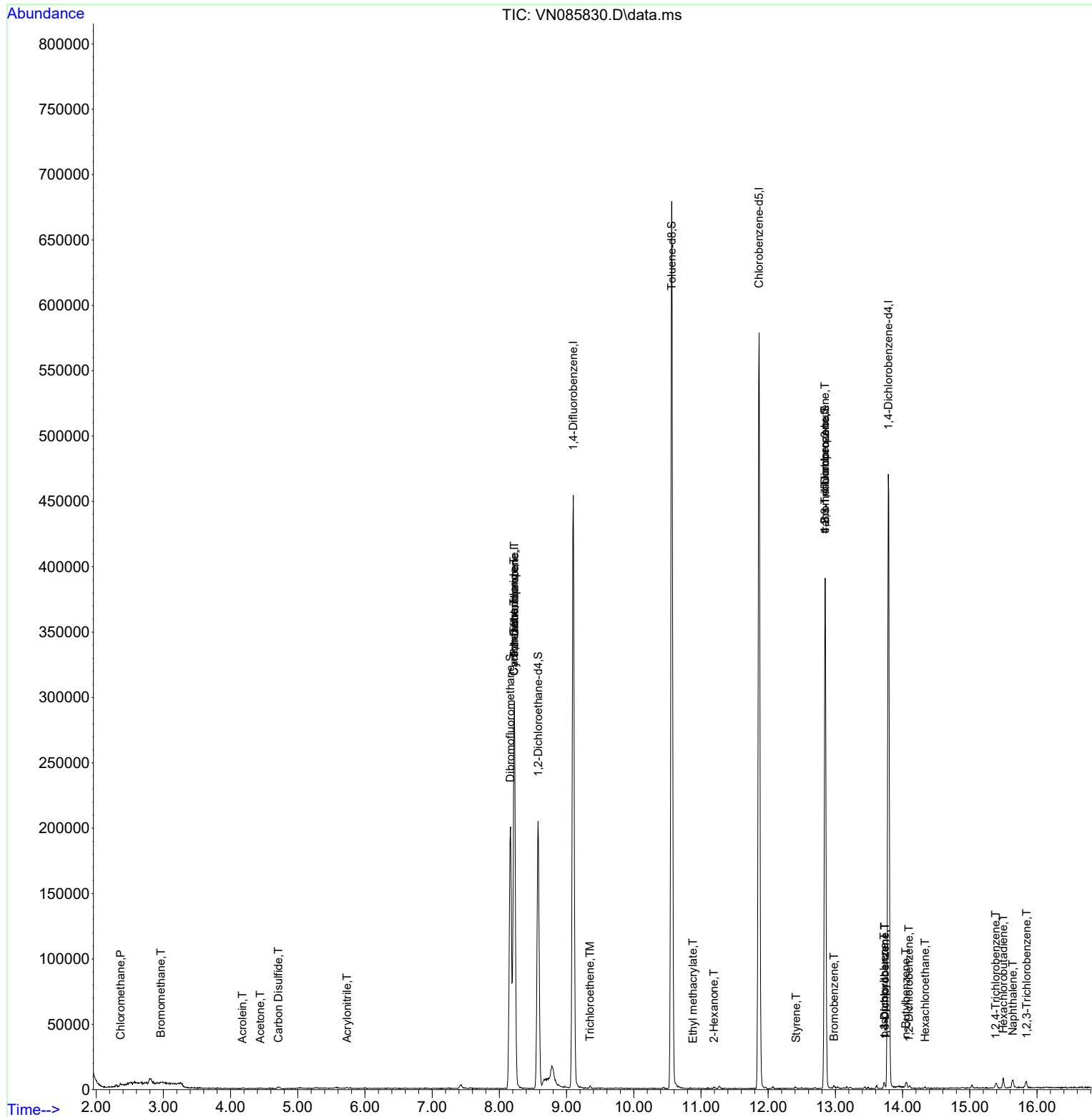
Internal Standards						
1) Pentafluorobenzene	8.224	168	210015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	396512	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	347014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	135550	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	164315	60.35	ug/l	0.00
Spiked Amount 50.000	Range	74 - 125	Recovery	= 120.70%		
35) Dibromofluoromethane	8.165	113	146846	56.60	ug/l	0.00
Spiked Amount 50.000	Range	75 - 124	Recovery	= 113.20%		
50) Toluene-d8	10.565	98	478045	50.64	ug/l	0.00
Spiked Amount 50.000	Range	86 - 113	Recovery	= 101.28%		
62) 4-Bromofluorobenzene	12.847	95	138454	44.52	ug/l	0.00
Spiked Amount 50.000	Range	77 - 121	Recovery	= 89.04%		
Target Compounds						
						Qvalue
3) Chloromethane	2.365	50	902	0.31	ug/l	100
5) Bromomethane	2.965	94	750	0.39	ug/l	85
13) Acrolein	4.177	56	414	0.83	ug/l #	80
15) Acrylonitrile	5.736	53	659	0.61	ug/l #	73
16) Acetone	4.442	43	1047	1.22	ug/l #	40
17) Carbon Disulfide	4.712	76	3327	0.49	ug/l #	75
31) Cyclohexane	8.218	56	4531	1.17	ug/l #	16
36) 1,1-Dichloropropene	8.224	75	18074	4.92	ug/l #	49
38) Carbon Tetrachloride	8.218	117	22907	5.25	ug/l #	18
44) Trichloroethene	9.347	130	646	0.22	ug/l	75
56) Ethyl methacrylate	10.882	69	115	0.49	ug/l #	30
59) 2-Hexanone	11.194	43	1149	0.57	ug/l	64
70) Styrene	12.418	104	570	0.66	ug/l #	73
76) 1,2,3-Trichloropropane	12.847	75	68080	22.61	ug/l #	1
77) Bromobenzene	12.982	156	509	0.20	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.847	75	68080	65.97	ug/l #	13
86) p-Isopropyltoluene	13.723	119	1744	0.85	ug/l	85
87) 1,3-Dichlorobenzene	13.735	146	1351	0.29	ug/l	83
88) 1,4-Dichlorobenzene	13.735	146	1351	0.28	ug/l	84
89) n-Butylbenzene	14.047	91	3279	0.51	ug/l	92
90) Hexachloroethane	14.335	117	364	0.21	ug/l	74
91) 1,2-Dichlorobenzene	14.094	146	1269	0.28	ug/l	88
93) 1,2,4-Trichlorobenzene	15.388	180	1961	0.91	ug/l	96
94) Hexachlorobutadiene	15.500	225	1726	1.32	ug/l	98
95) Naphthalene	15.641	128	7590	1.28	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.847	180	2494	1.15	ug/l	96

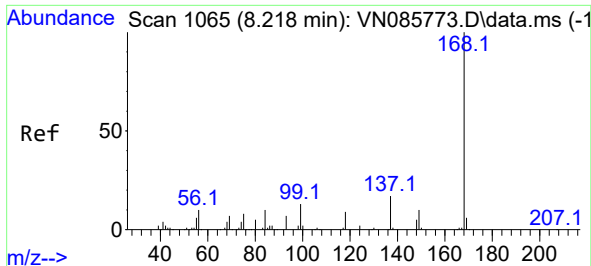
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN085830.D
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Sample : VN0224MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

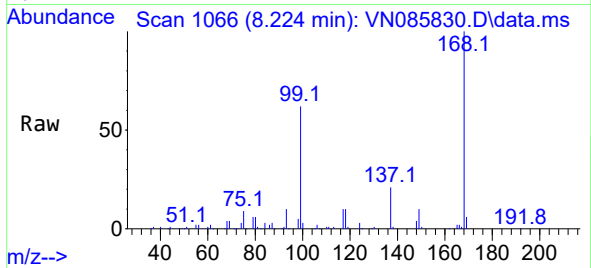
Quant Time: Feb 24 12:31:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



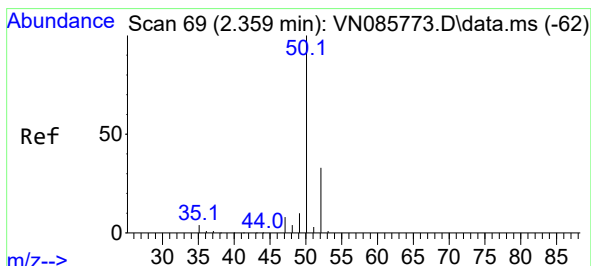
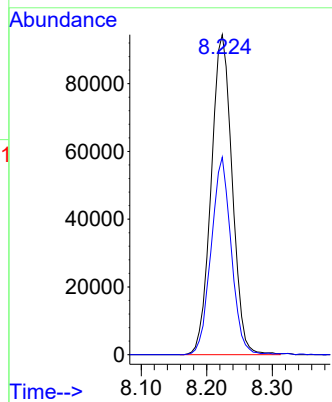
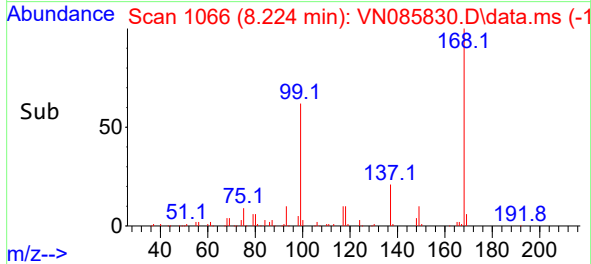


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

Instrument :
MSVOA_X
ClientSampleId :

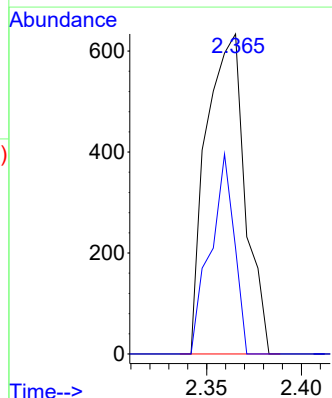
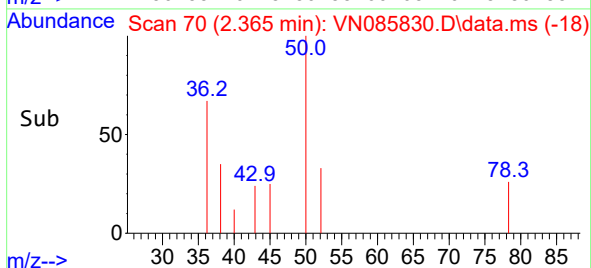
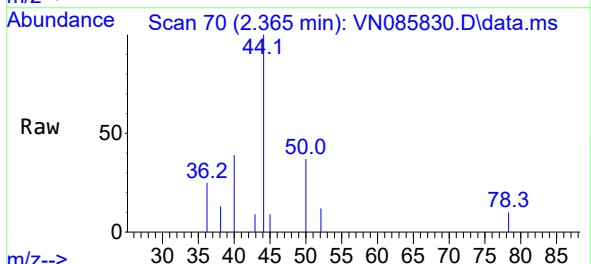


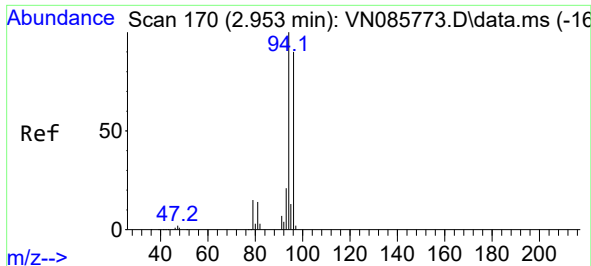
Tgt Ion:168 Resp: 210015
Ion Ratio Lower Upper
168 100
99 61.7 47.9 71.9



#3
Chloromethane
Concen: 0.31 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

Tgt Ion: 50 Resp: 902
Ion Ratio Lower Upper
50 100
52 33.1 26.7 40.1

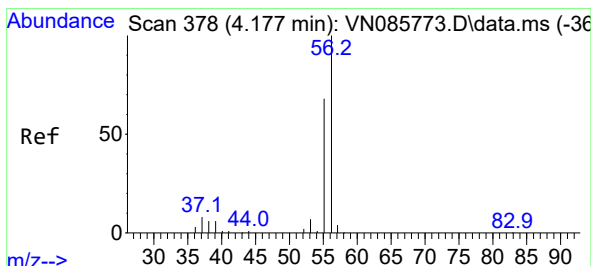
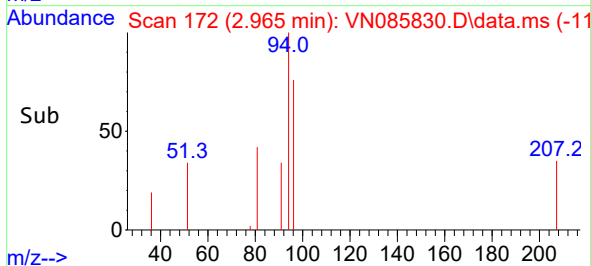
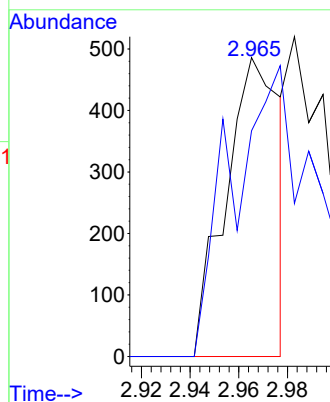
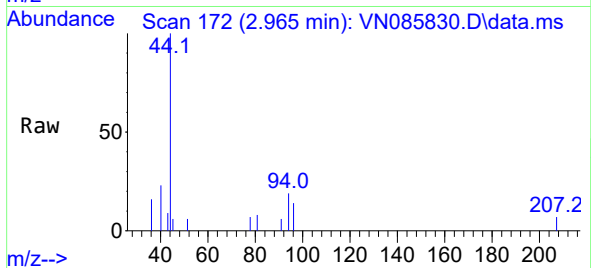




#5
Bromomethane
Concen: 0.39 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

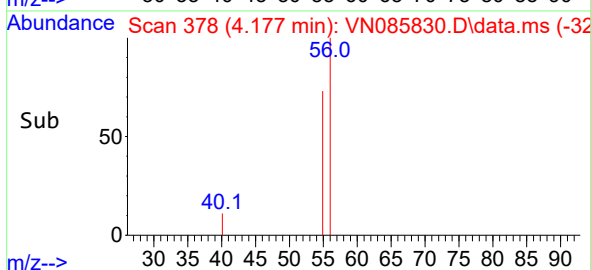
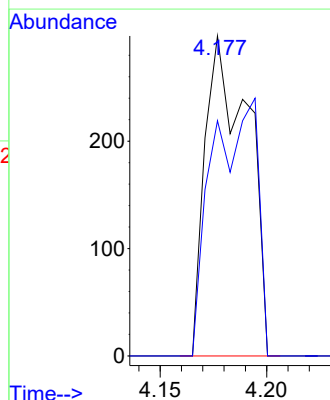
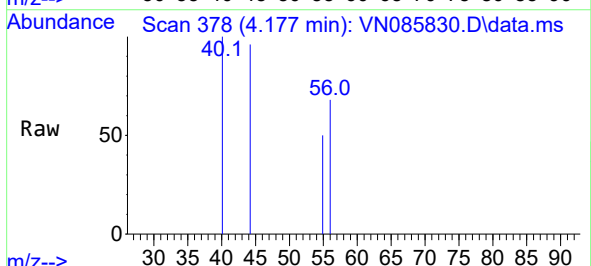
Instrument :
MSVOA_X
ClientSampleId :

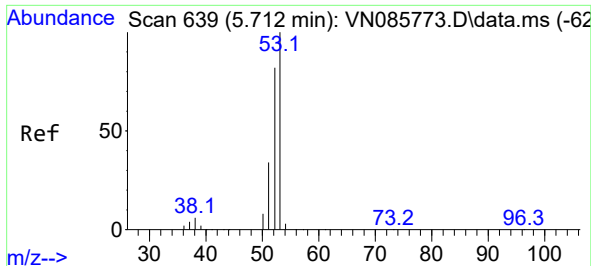
Tgt Ion: 94 Resp: 750
Ion Ratio Lower Upper
94 100
96 75.5 71.7 107.5



#13
Acrolein
Concen: 0.83 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

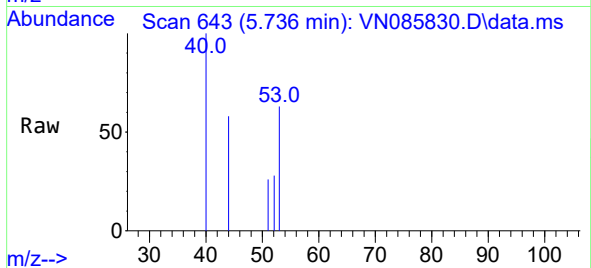
Tgt Ion: 56 Resp: 414
Ion Ratio Lower Upper
56 100
55 85.5 55.3 82.9#



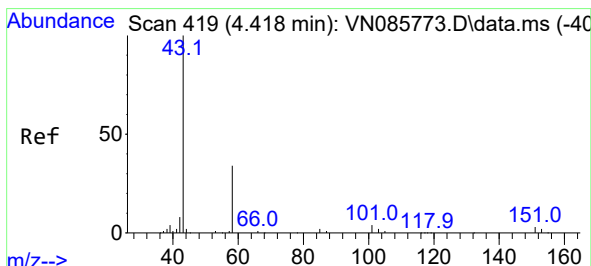
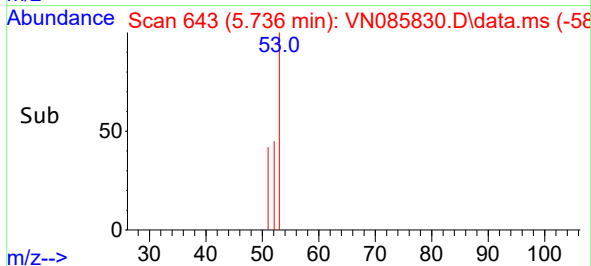
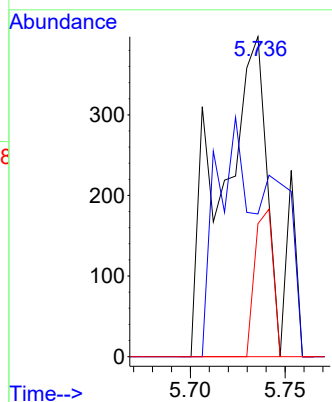


#15
Acrylonitrile
Concen: 0.61 ug/l
RT: 5.736 min Scan# 64
Delta R.T. 0.024 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

Instrument :
MSVOA_X
ClientSampleId :

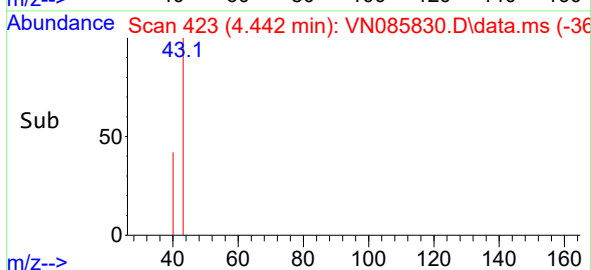
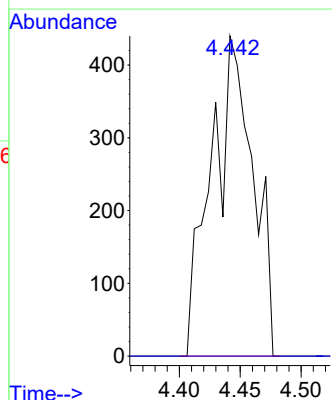
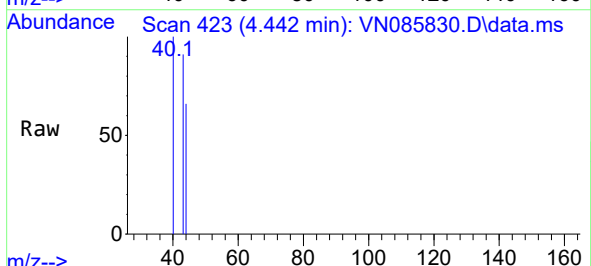


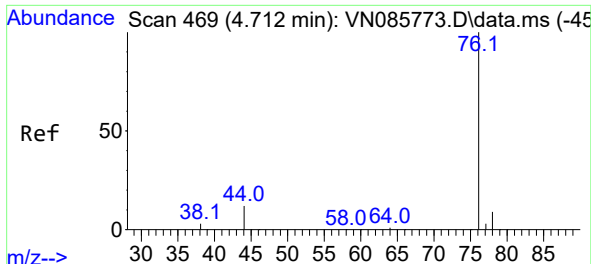
Tgt Ion: 53 Resp: 659
Ion Ratio Lower Upper
53 100
52 58.3 65.8 98.6#
51 18.7 28.6 42.8#



#16
Acetone
Concen: 1.22 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.023 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

Tgt Ion: 43 Resp: 1047
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#

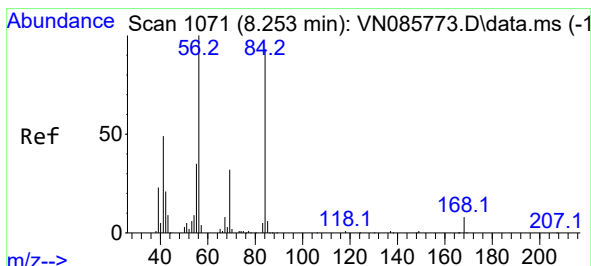
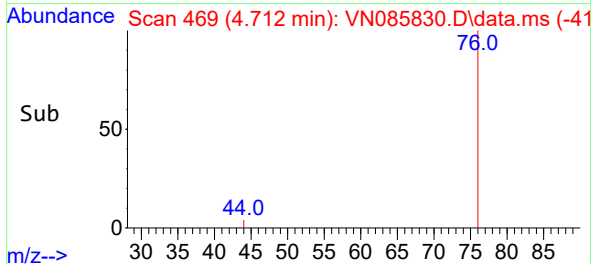
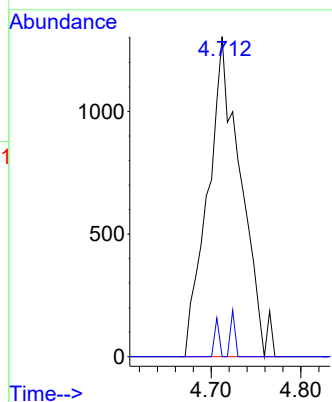
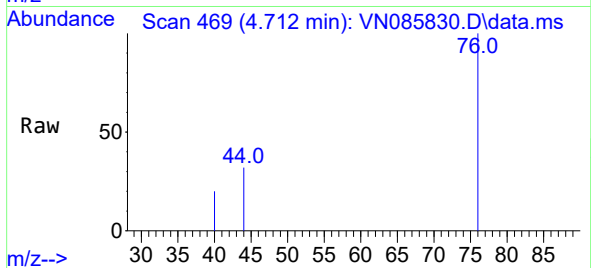




#17
Carbon Disulfide
Concen: 0.49 ug/l
RT: 4.712 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

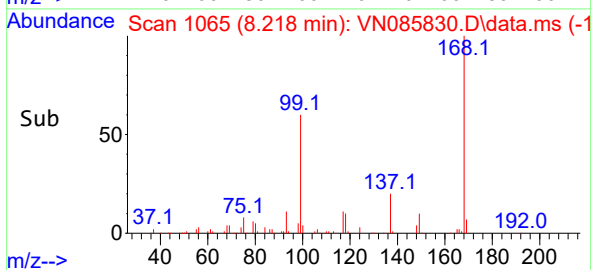
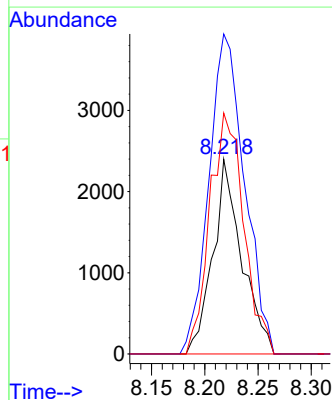
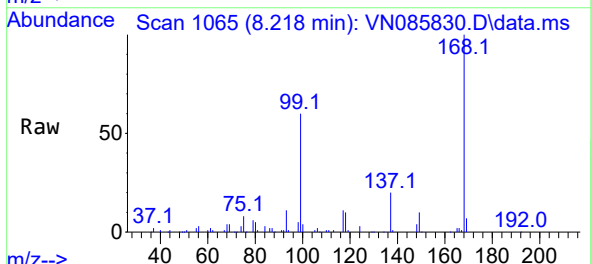
Instrument :
MSVOA_X
ClientSampleId :

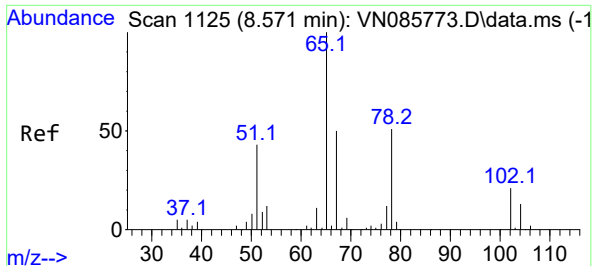
Tgt Ion: 76 Resp: 3327
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#31
Cyclohexane
Concen: 1.17 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

Tgt Ion: 56 Resp: 4531
Ion Ratio Lower Upper
56 100
69 164.3 25.8 38.6#
84 123.7 74.5 111.7#

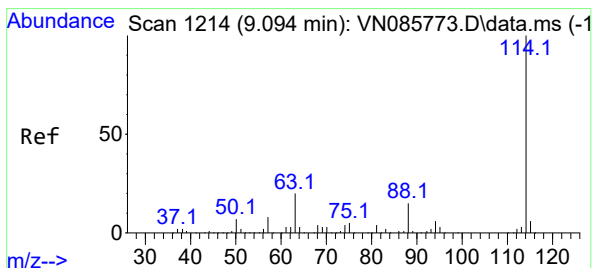
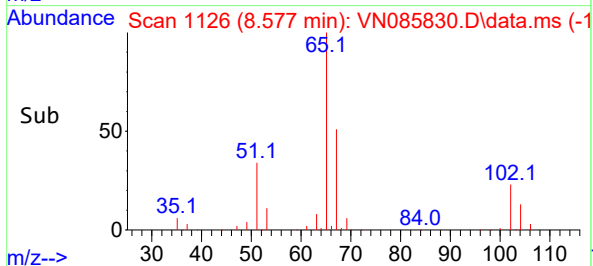
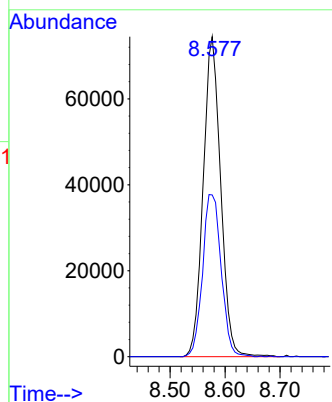
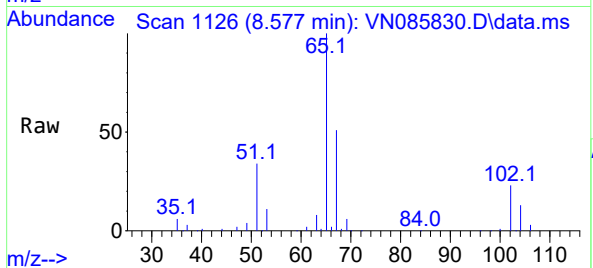




#33
1,2-Dichloroethane-d4
Concen: 60.35 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

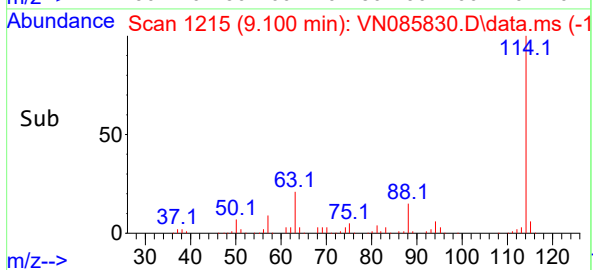
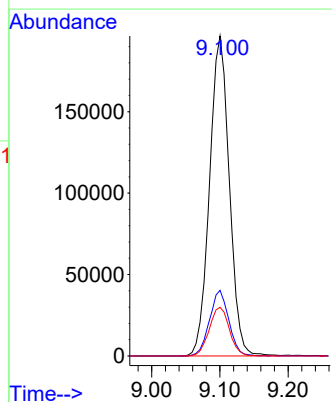
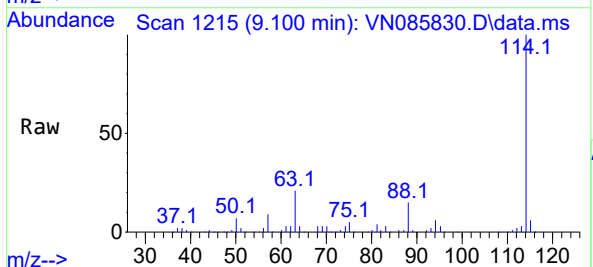
Instrument :
MSVOA_X
ClientSampleId :

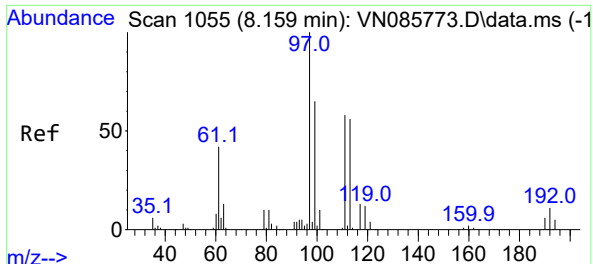
Tgt Ion: 65 Resp: 164315
Ion Ratio Lower Upper
65 100
67 53.9 0.0 106.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

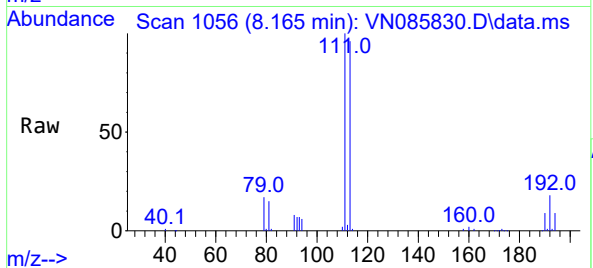
Tgt Ion:114 Resp: 396512
Ion Ratio Lower Upper
114 100
63 20.5 0.0 39.2
88 15.2 0.0 30.0



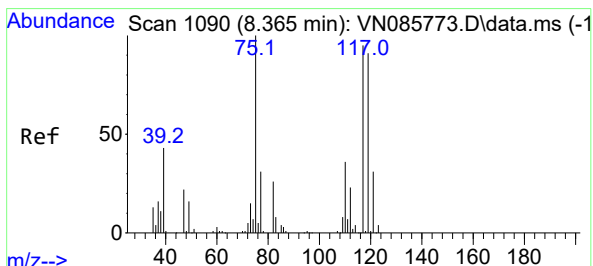
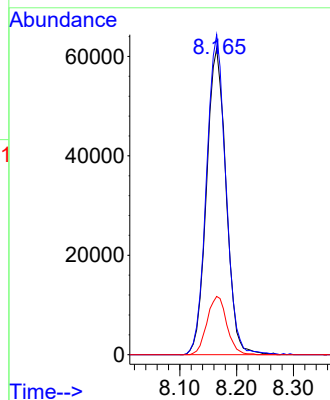
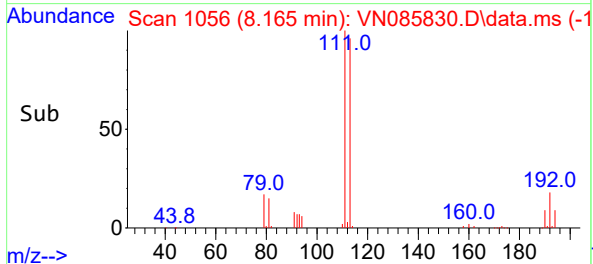


#35
Dibromofluoromethane
Concen: 56.60 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

Instrument :
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ClientSampleId :

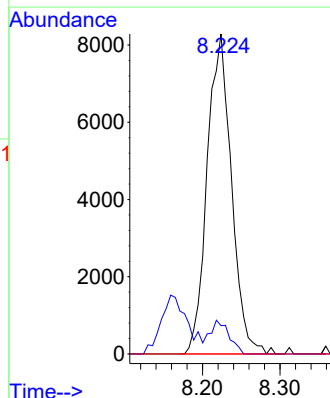
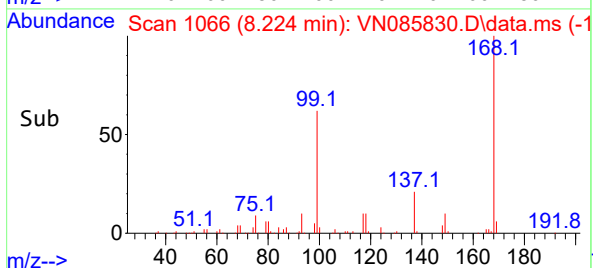
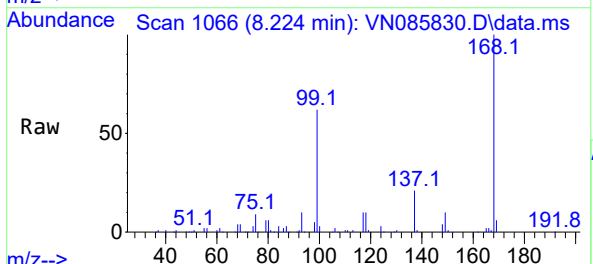


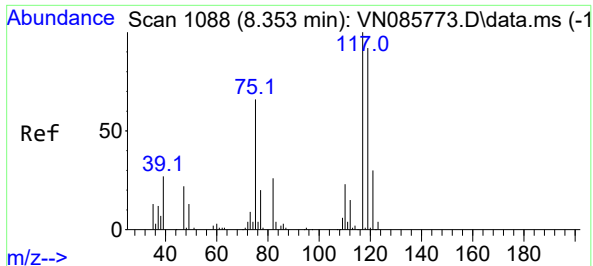
Tgt Ion:113 Resp: 146846
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.4
192 19.2 14.7 22.1



#36
1,1-Dichloropropene
Concen: 4.92 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

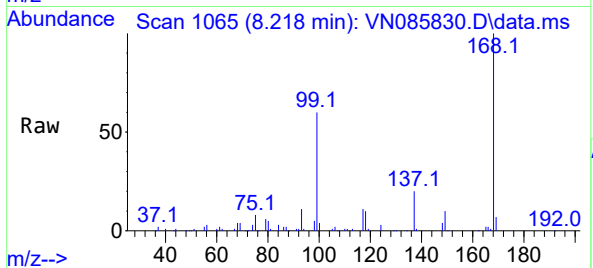
Tgt Ion: 75 Resp: 18074
Ion Ratio Lower Upper
75 100
110 8.3 17.3 52.0#
77 0.0 24.6 37.0#



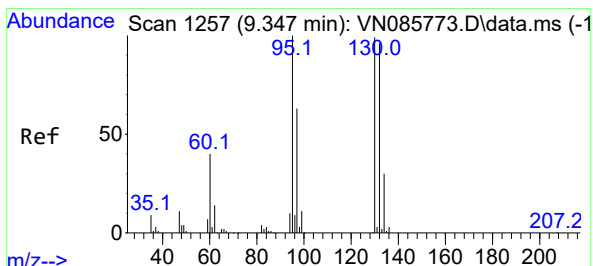
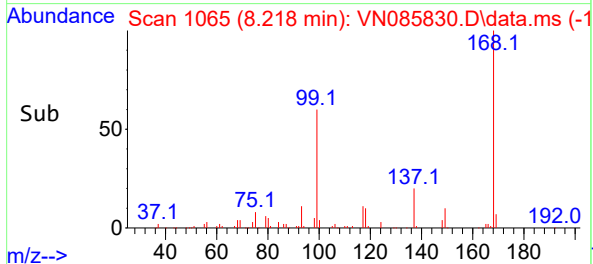
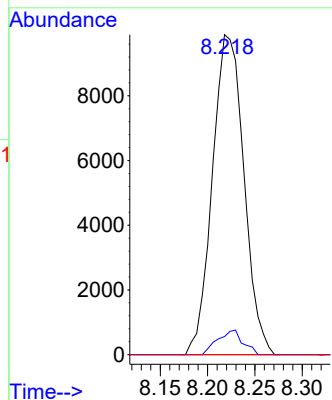


#38
Carbon Tetrachloride
Concen: 5.25 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

Instrument :
MSVOA_X
ClientSampleId :

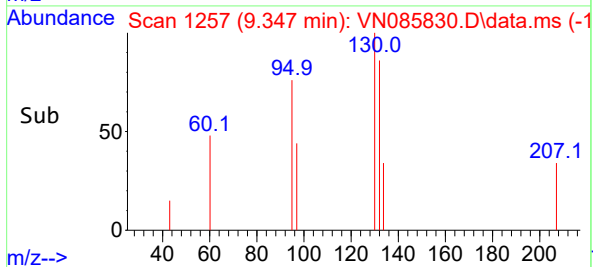
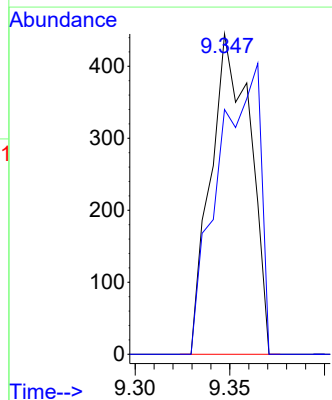
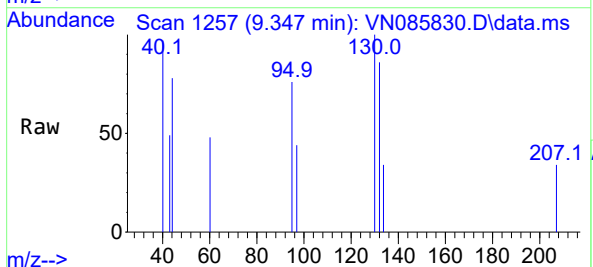


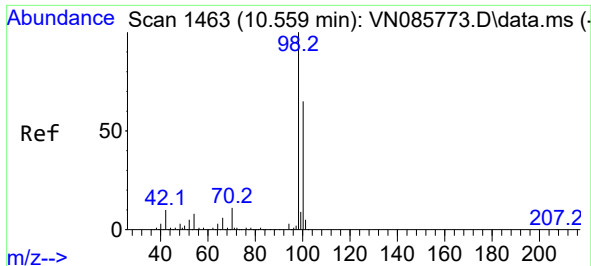
Tgt Ion:117 Resp: 22907
Ion Ratio Lower Upper
117 100
119 5.7 73.8 110.6#
121 0.0 24.3 36.5#



#44
Trichloroethene
Concen: 0.22 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

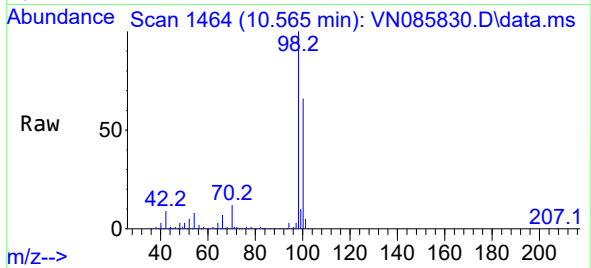
Tgt Ion:130 Resp: 646
Ion Ratio Lower Upper
130 100
95 76.4 0.0 202.6



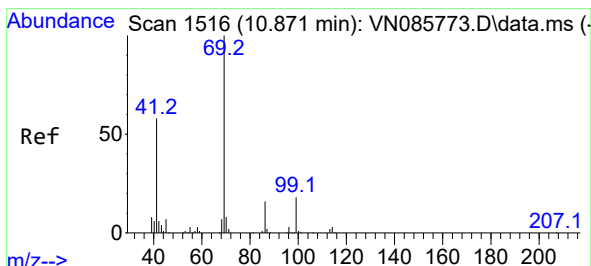
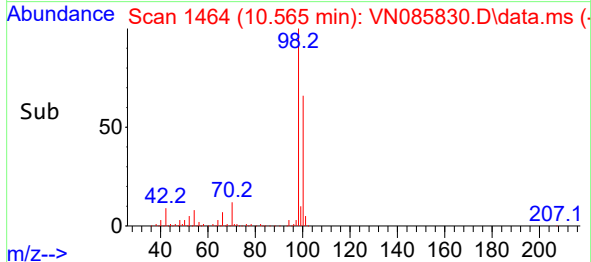
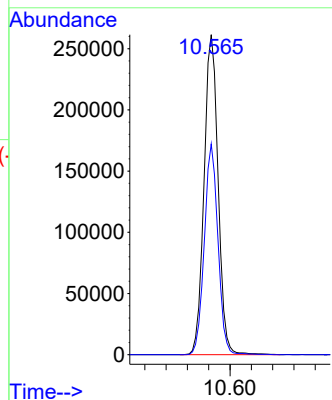


#50
Toluene-d8
Concen: 50.64 ug/l
RT: 10.565 min Scan# 1463
Delta R.T. 0.006 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

Instrument :
MSVOA_X
ClientSampleId :

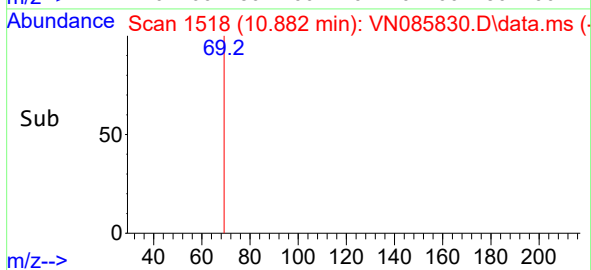
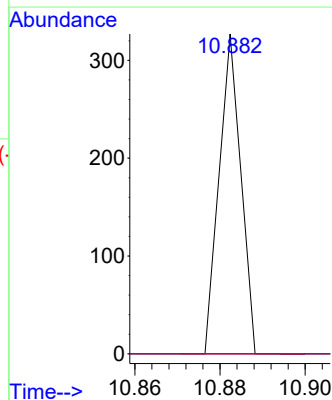
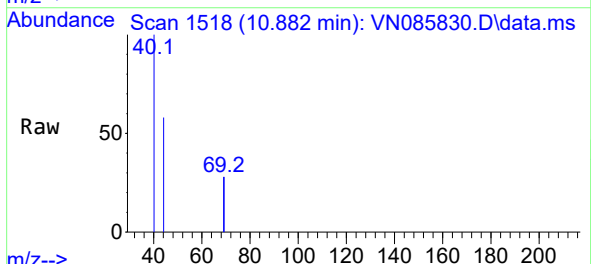


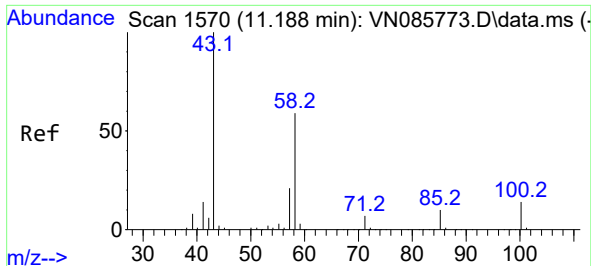
Tgt Ion: 98 Resp: 478045
Ion Ratio Lower Upper
98 100
100 63.9 52.1 78.1



#56
Ethyl methacrylate
Concen: 0.49 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.011 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

Tgt Ion: 69 Resp: 115
Ion Ratio Lower Upper
69 100
41 0.0 46.0 69.0#
39 0.0 22.0 33.0#

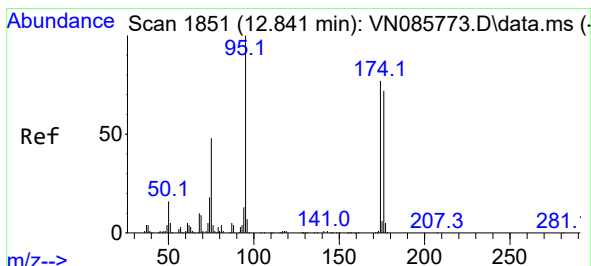
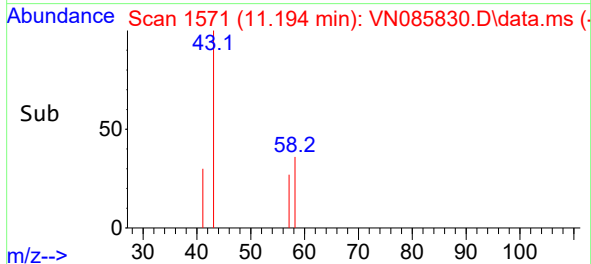
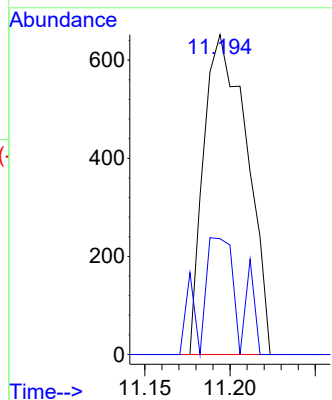
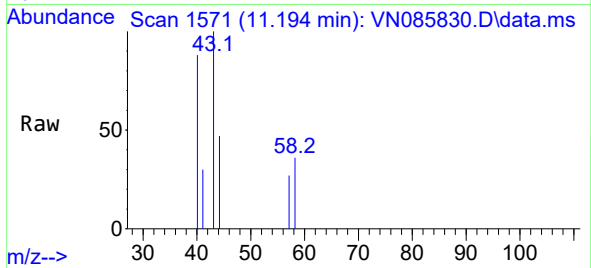




#59
2-Hexanone
Concen: 0.57 ug/l
RT: 11.194 min Scan# 1149
Delta R.T. 0.006 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

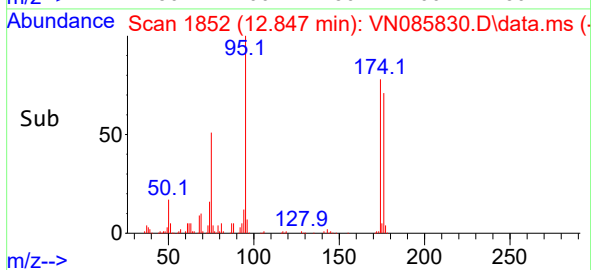
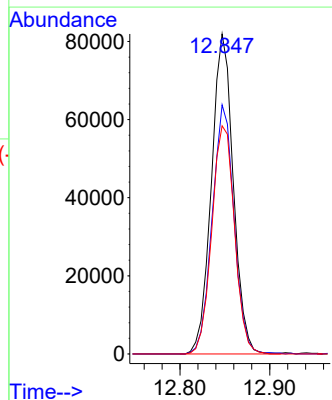
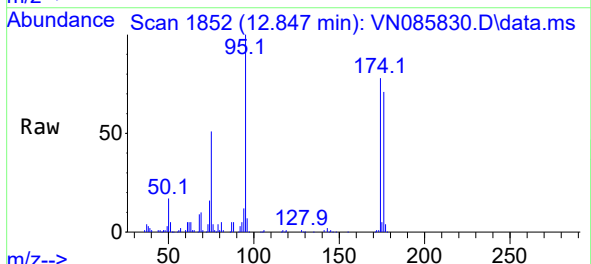
Instrument :
MSVOA_X
ClientSampleId :

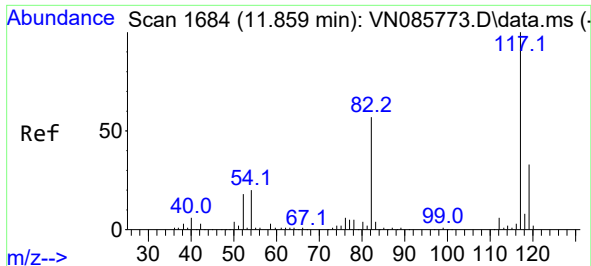
Tgt Ion: 43 Resp: 1149
Ion Ratio Lower Upper
43 100
58 32.5 29.8 89.5



#62
4-Bromofluorobenzene
Concen: 44.52 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

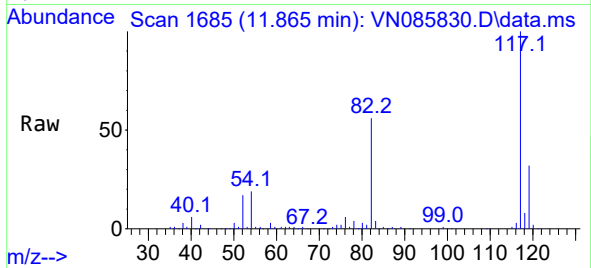
Tgt Ion: 95 Resp: 138454
Ion Ratio Lower Upper
95 100
174 77.9 0.0 152.4
176 74.1 0.0 146.6



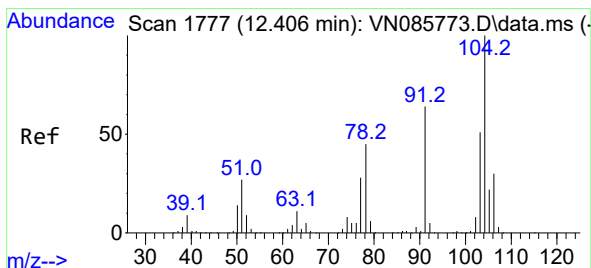
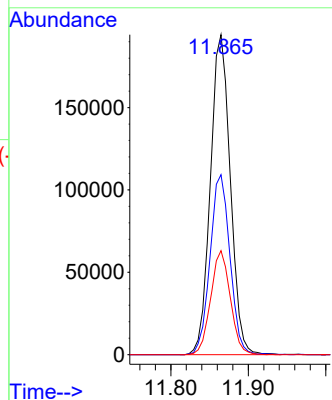
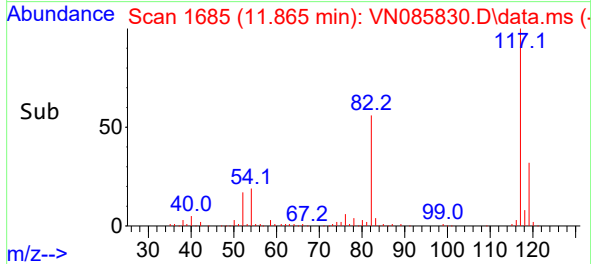


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

Instrument :
MSVOA_X
ClientSampleId :

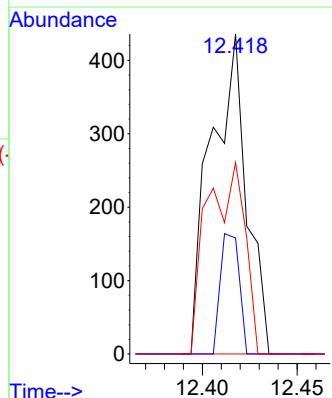
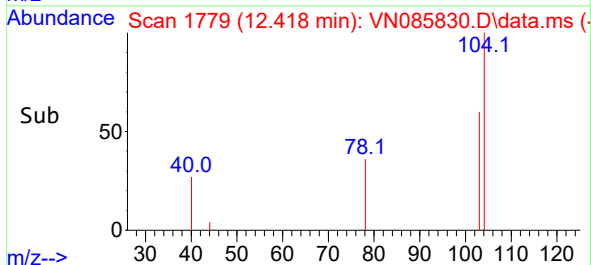
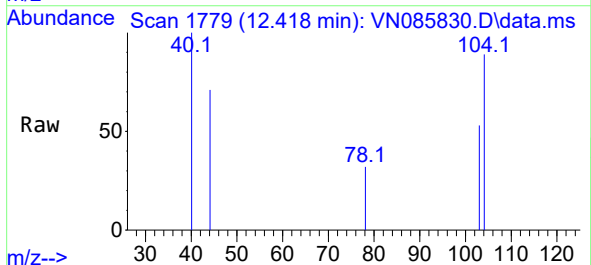


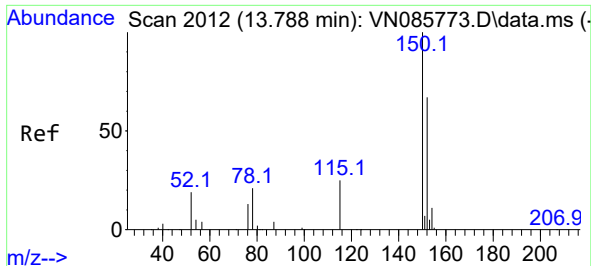
Tgt Ion:117 Resp: 347014
Ion Ratio Lower Upper
117 100
82 56.3 45.7 68.5
119 32.5 26.2 39.2



#70
Styrene
Concen: 0.66 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. 0.012 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

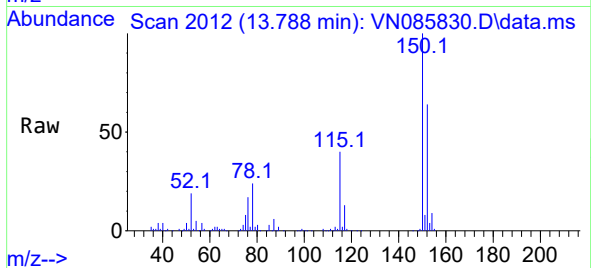
Tgt Ion:104 Resp: 570
Ion Ratio Lower Upper
104 100
78 20.0 39.0 58.6#
103 63.3 43.3 64.9



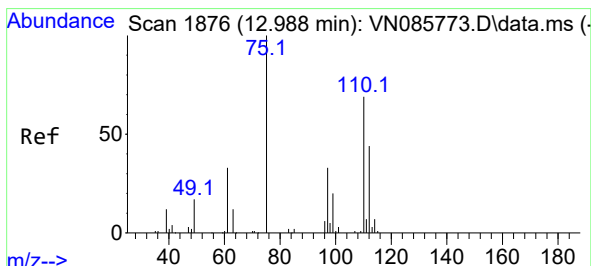
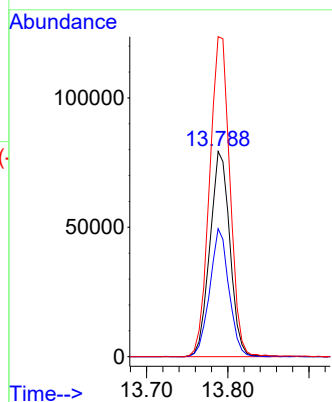
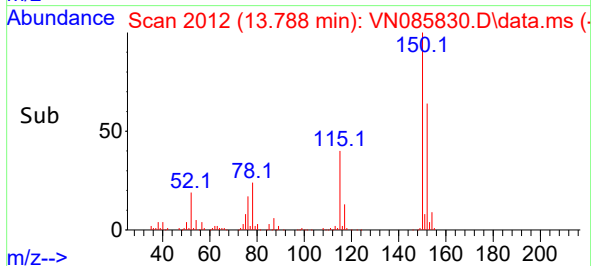


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

Instrument :
MSVOA_X
ClientSampleId :

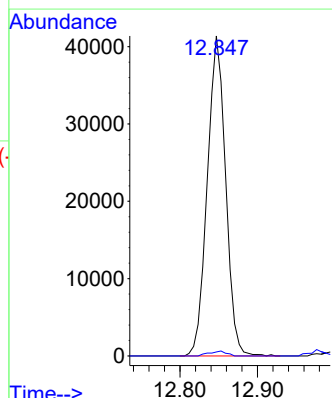
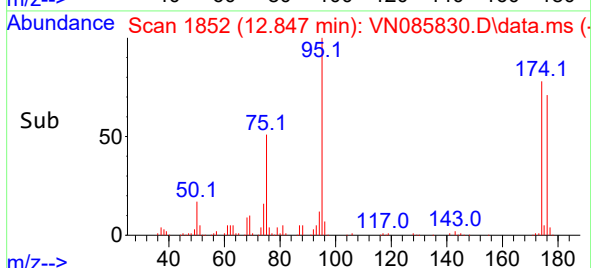
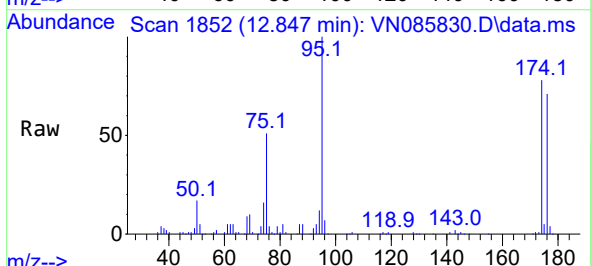


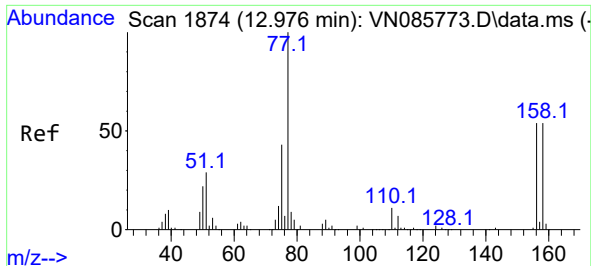
Tgt Ion:152 Resp: 135550
Ion Ratio Lower Upper
152 100
115 59.8 30.4 91.3
150 158.9 0.0 345.4



#76
1,2,3-Trichloropropane
Concen: 22.61 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

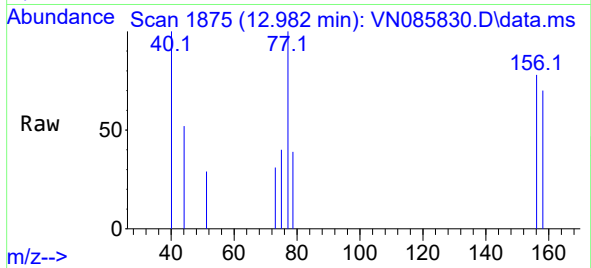
Tgt Ion: 75 Resp: 68080
Ion Ratio Lower Upper
75 100
77 1.4 100.0 300.0#



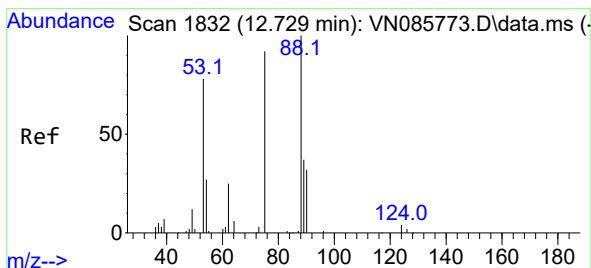
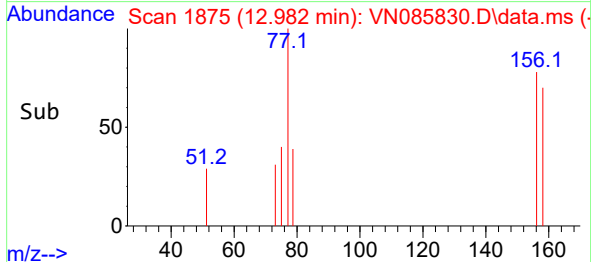
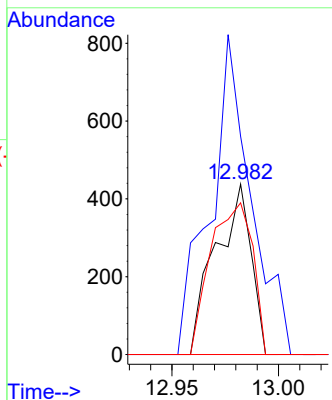


#77
Bromobenzene
Concen: 0.20 ug/l
RT: 12.982 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

Instrument :
MSVOA_X
ClientSampleId :

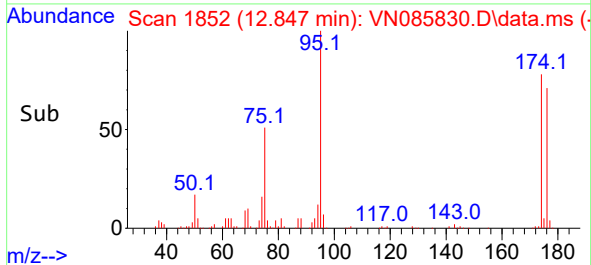
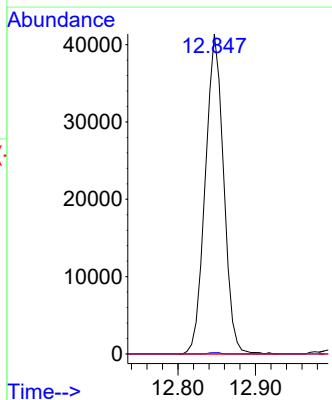
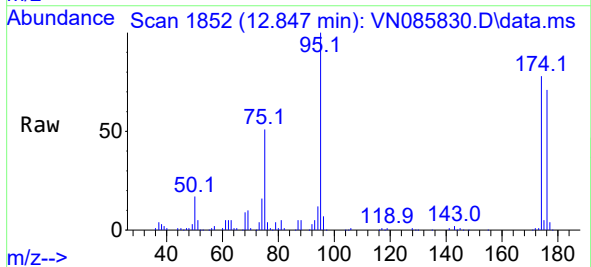


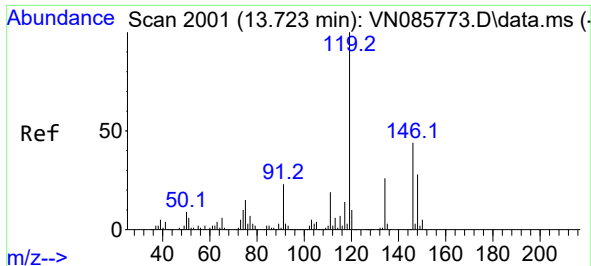
Tgt Ion:156 Resp: 509
Ion Ratio Lower Upper
156 100
77 214.7 104.1 312.3
158 105.3 48.1 144.4



#81
trans-1,4-Dichloro-2-butene
Concen: 65.97 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

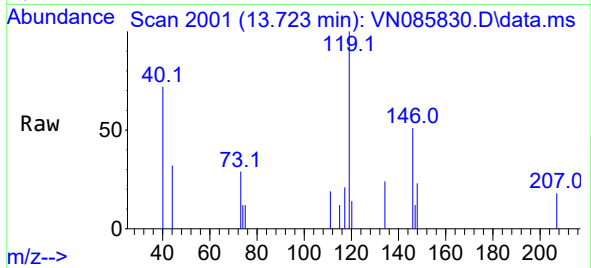
Tgt Ion: 75 Resp: 68080
Ion Ratio Lower Upper
75 100
53 0.3 74.2 111.4#
89 0.0 34.9 52.3#



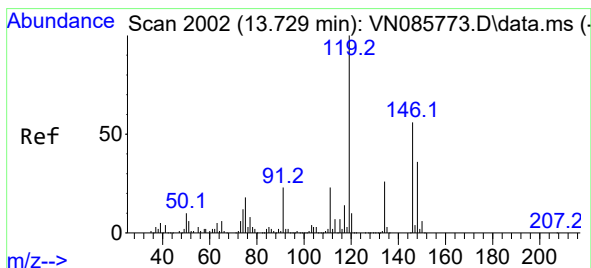
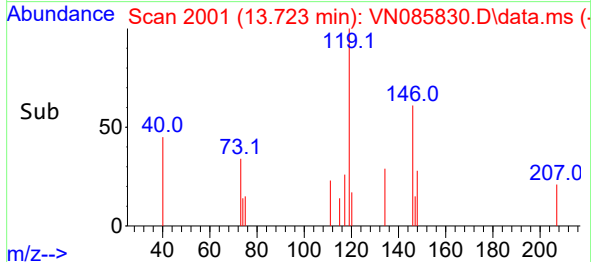
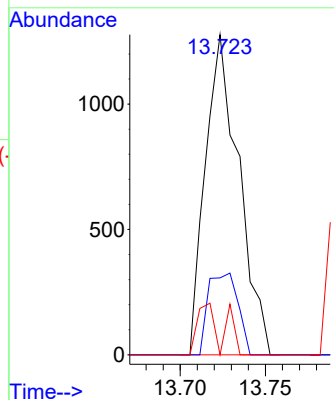


#86
p-Isopropyltoluene
Concen: 0.85 ug/l
RT: 13.723 min Scan# 2000
Delta R.T. 0.000 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

Instrument :
MSVOA_X
ClientSampleId :

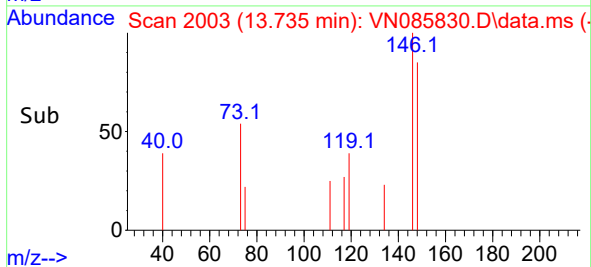
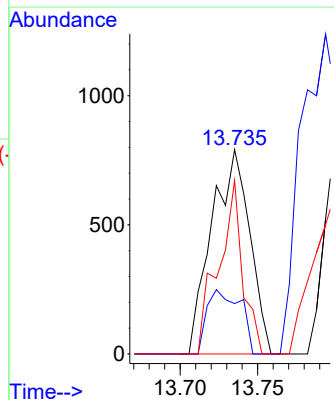
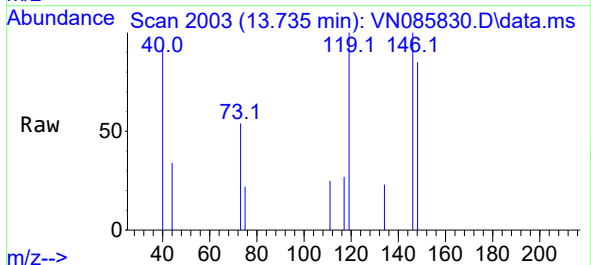


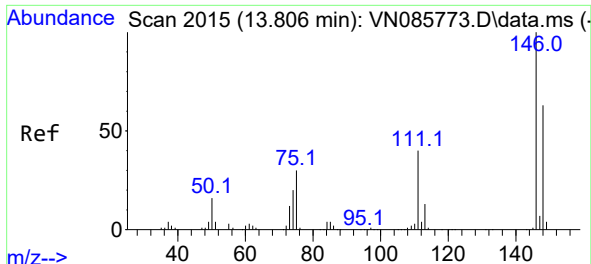
Tgt Ion:119 Resp: 1744
Ion Ratio Lower Upper
119 100
134 22.6 13.0 39.0
91 12.0 11.7 35.1



#87
1,3-Dichlorobenzene
Concen: 0.29 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

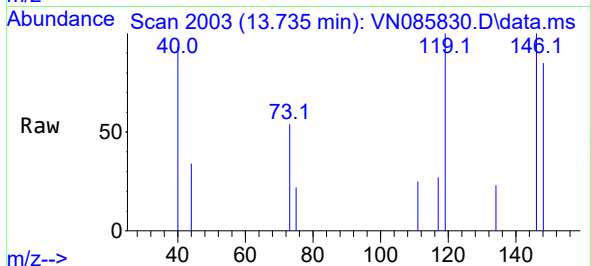
Tgt Ion:146 Resp: 1351
Ion Ratio Lower Upper
146 100
111 27.5 21.1 63.3
148 54.1 32.1 96.5



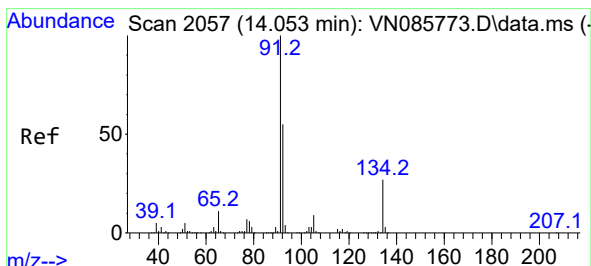
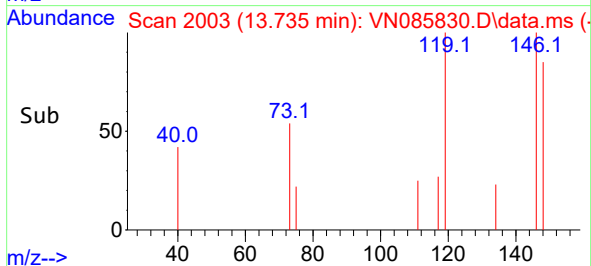
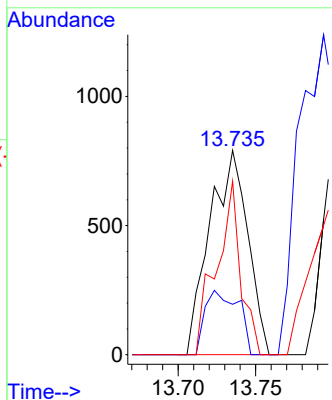


#88
1,4-Dichlorobenzene
Concen: 0.28 ug/l
RT: 13.735 min Scan# 2015
Delta R.T. -0.071 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

Instrument :
MSVOA_X
ClientSampleId :

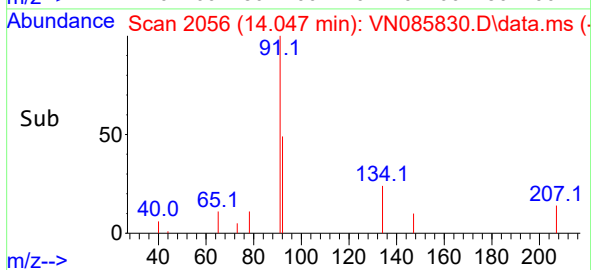
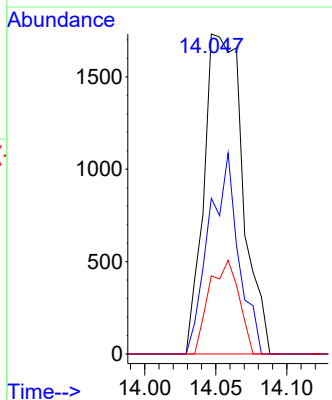
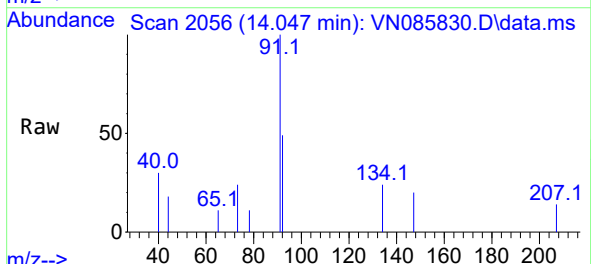


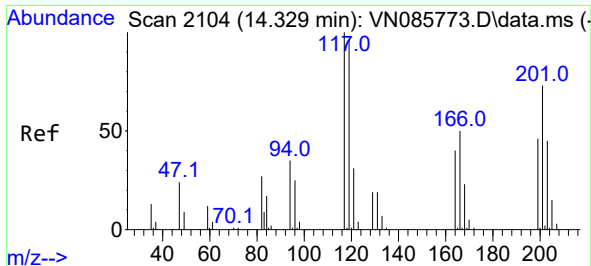
Tgt Ion:146 Resp: 1351
Ion Ratio Lower Upper
146 100
111 27.5 20.4 61.3
148 54.1 31.8 95.4



#89
n-Butylbenzene
Concen: 0.51 ug/l
RT: 14.047 min Scan# 2056
Delta R.T. -0.006 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

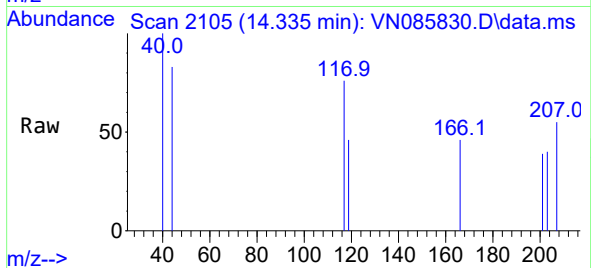
Tgt Ion: 91 Resp: 3279
Ion Ratio Lower Upper
91 100
92 47.9 27.1 81.3
134 22.4 12.7 38.1



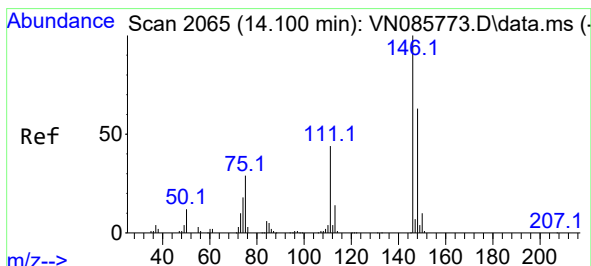
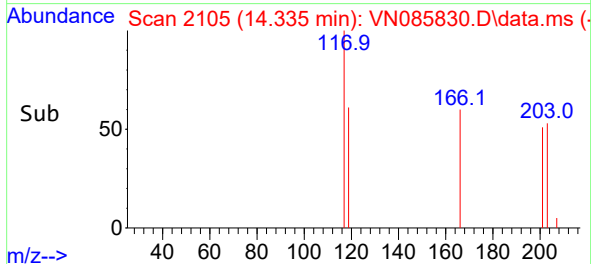
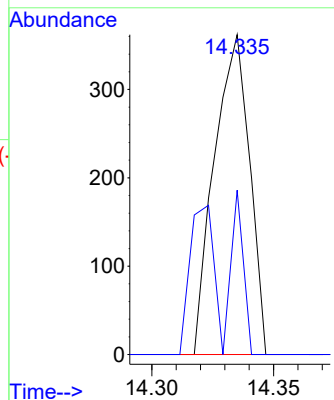


#90
Hexachloroethane
Concen: 0.21 ug/l
RT: 14.335 min Scan# 2104
Delta R.T. 0.006 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

Instrument :
MSVOA_X
ClientSampleId :

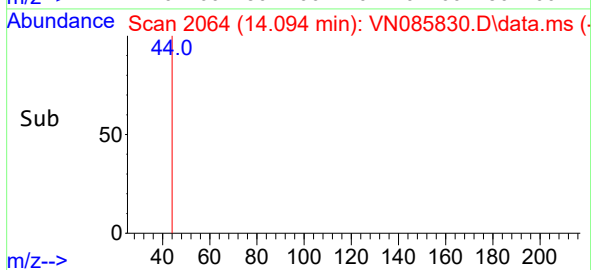
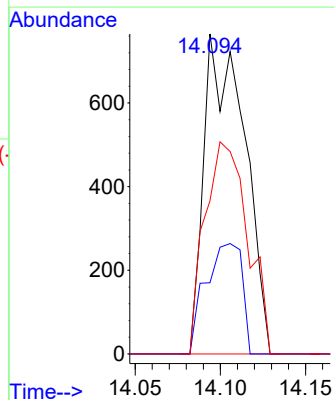
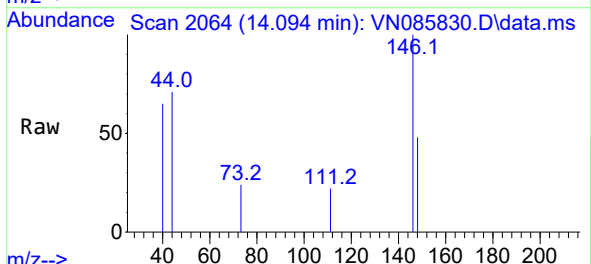


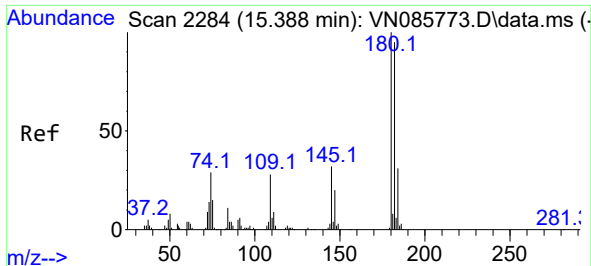
Tgt Ion:117 Resp: 364
Ion Ratio Lower Upper
117 100
201 49.7 35.6 106.9



#91
1,2-Dichlorobenzene
Concen: 0.28 ug/l
RT: 14.094 min Scan# 2064
Delta R.T. -0.006 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

Tgt Ion:146 Resp: 1269
Ion Ratio Lower Upper
146 100
111 30.8 21.4 64.3
148 69.7 32.0 96.2





#93

1,2,4-Trichlorobenzene

Concen: 0.91 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min

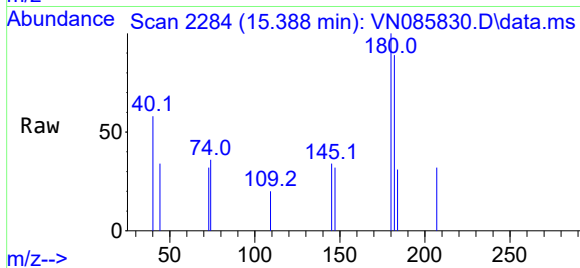
Lab File: VN085830.D

Acq: 24 Feb 2025 12:15

Instrument :

MSVOA_X

ClientSampleId :



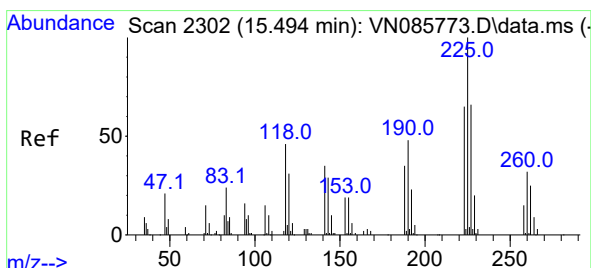
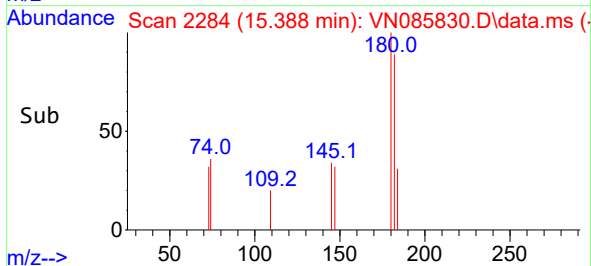
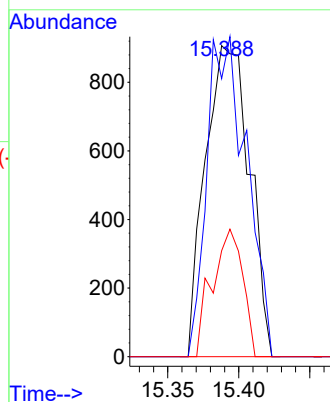
Tgt Ion:180 Resp: 1961

Ion Ratio Lower Upper

180 100

182 92.1 47.3 141.9

145 28.4 16.2 48.5



#94

Hexachlorobutadiene

Concen: 1.32 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VN085830.D

Acq: 24 Feb 2025 12:15

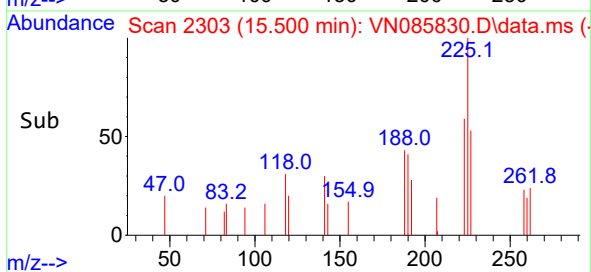
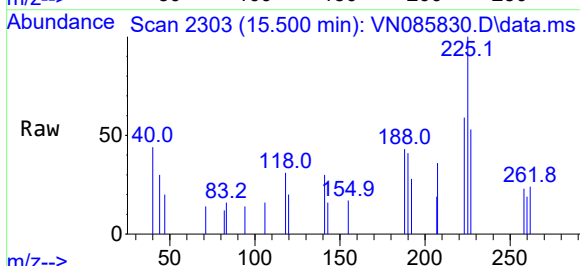
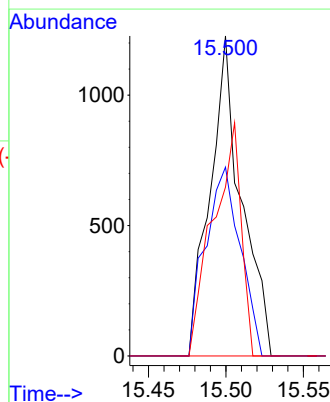
Tgt Ion:225 Resp: 1726

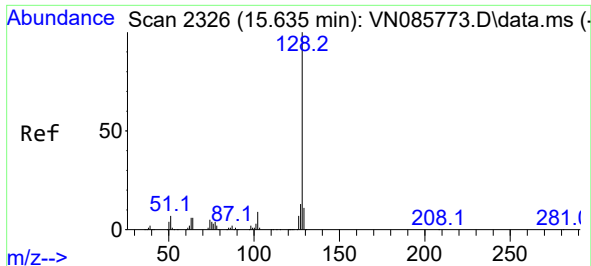
Ion Ratio Lower Upper

225 100

223 65.6 31.9 95.5

227 65.2 32.2 96.6

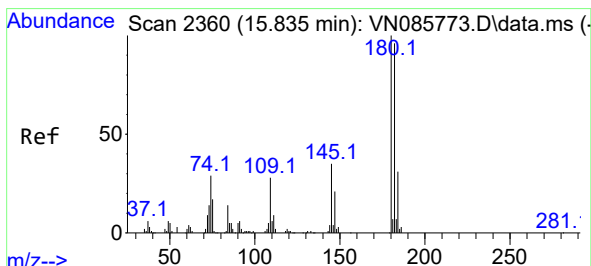
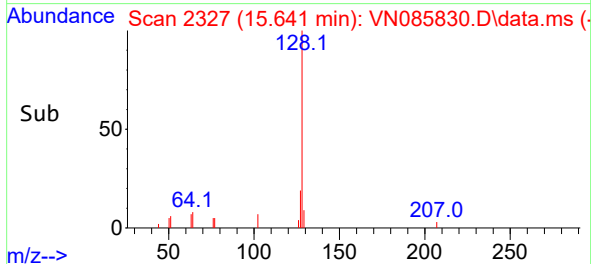
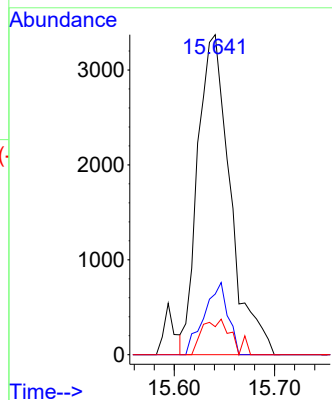
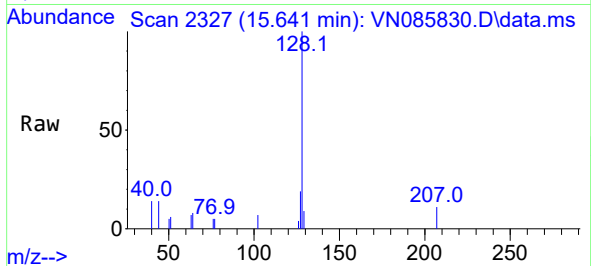




#95
Naphthalene
Concen: 1.28 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 7590
Ion Ratio Lower Upper
128 100
127 16.5 10.2 15.2#
129 10.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.15 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.012 min
Lab File: VN085830.D
Acq: 24 Feb 2025 12:15

Tgt Ion:180 Resp: 2494
Ion Ratio Lower Upper
180 100
182 91.1 47.3 141.8
145 31.5 16.9 50.6

