

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022025\
 Data File : VN085795.D
 Acq On : 20 Feb 2025 11:21
 Operator : JC\MD
 Sample : VN0220MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 20 11:38:08 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)

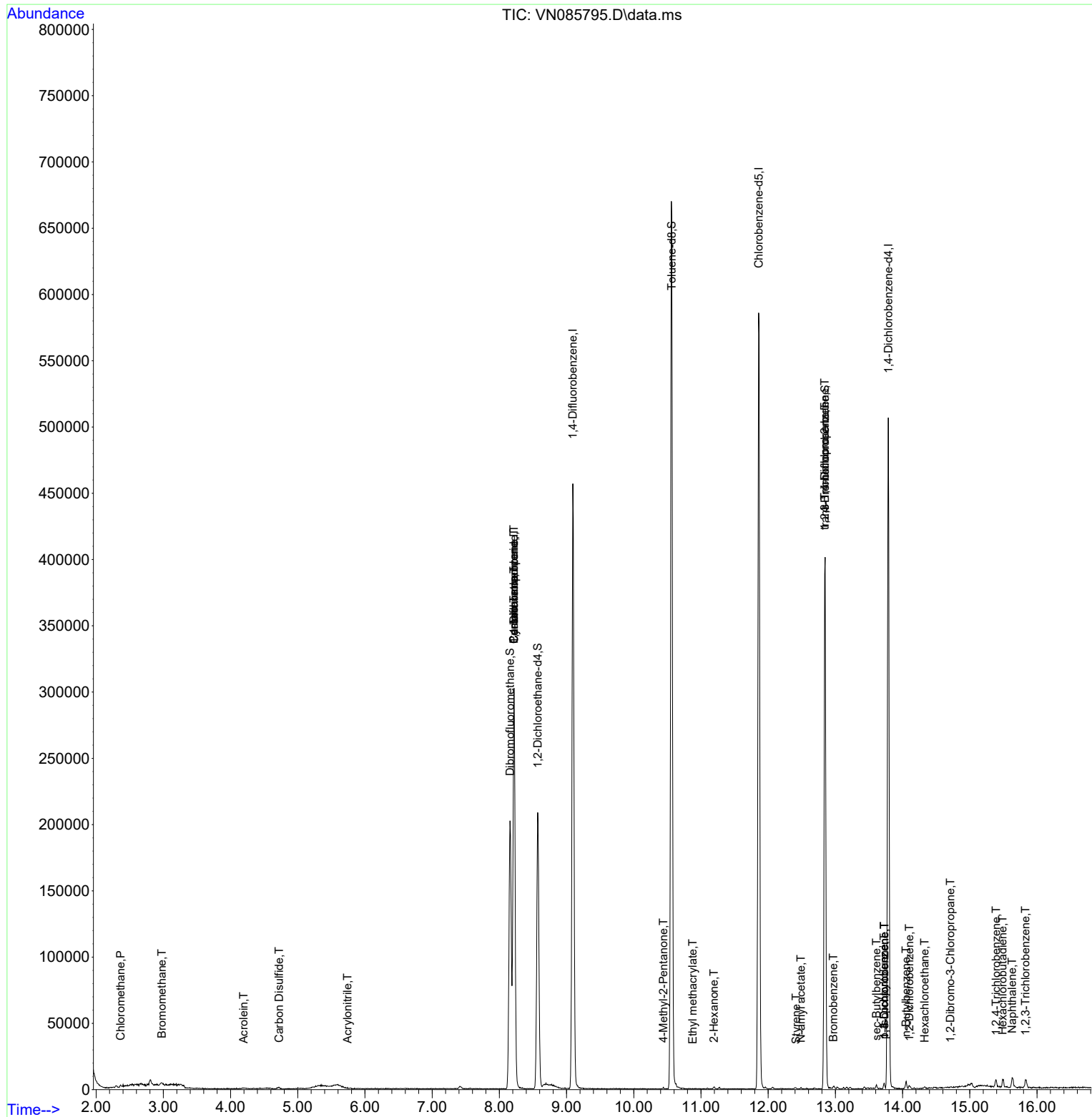
Internal Standards						
1) Pentafluorobenzene	8.218	168	218639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	394573	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	354666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140463	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	172017	60.69	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.38%			
35) Dibromofluoromethane	8.159	113	148435	57.49	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.98%			
50) Toluene-d8	10.565	98	486267	51.77	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.54%			
62) 4-Bromofluorobenzene	12.847	95	144225	46.60	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.20%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	833	0.28	ug/l #	76
5) Bromomethane	2.977	94	1328	0.66	ug/l #	61
13) Acrolein	4.194	56	342	0.66	ug/l #	73
15) Acrylonitrile	5.741	53	633	0.56	ug/l #	38
17) Carbon Disulfide	4.724	76	2757	0.39	ug/l #	75
31) Cyclohexane	8.218	56	4964	1.23	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	17700	4.84	ug/l #	49
38) Carbon Tetrachloride	8.218	117	22050	5.08	ug/l #	19
43) Isopropyl Acetate	8.694	43	549	Below Cal	#	53
51) 4-Methyl-2-Pentanone	10.441	43	633	0.22	ug/l #	33
56) Ethyl methacrylate	10.876	69	95	0.49	ug/l #	30
59) 2-Hexanone	11.194	43	1350	0.68	ug/l	77
70) Styrene	12.417	104	521	0.65	ug/l #	71
74) N-amyl acetate	12.488	43	698	0.21	ug/l #	47
76) 1,2,3-Trichloropropane	12.841	75	71680	22.97	ug/l #	1
77) Bromobenzene	12.970	156	619	0.24	ug/l	69
81) trans-1,4-Dichloro-2-b...	12.841	75	71680	67.03	ug/l #	12
85) sec-Butylbenzene	13.611	105	2325	0.25	ug/l	99
86) p-Isopropyltoluene	13.723	119	1577	0.82	ug/l	93
87) 1,3-Dichlorobenzene	13.729	146	1389	0.29	ug/l	71
88) 1,4-Dichlorobenzene	13.729	146	1389	0.28	ug/l	72
89) n-Butylbenzene	14.053	91	3541	0.54	ug/l	95
90) Hexachloroethane	14.329	117	558	0.32	ug/l #	39
91) 1,2-Dichlorobenzene	14.100	146	1371	0.29	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	168	0.28	ug/l #	53
93) 1,2,4-Trichlorobenzene	15.394	180	2601	1.17	ug/l	84
94) Hexachlorobutadiene	15.488	225	1499	1.11	ug/l	96
95) Naphthalene	15.629	128	8871	1.45	ug/l	97
96) 1,2,3-Trichlorobenzene	15.829	180	3151	1.41	ug/l	99

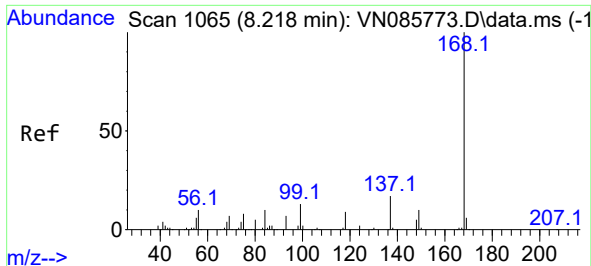
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0220MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

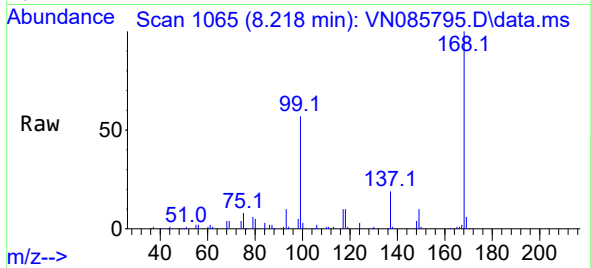
Quant Time: Feb 20 11:38:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



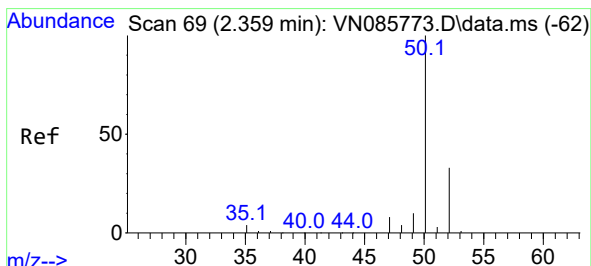
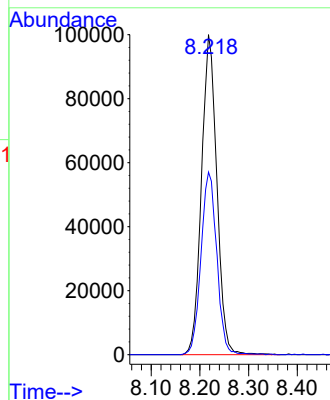
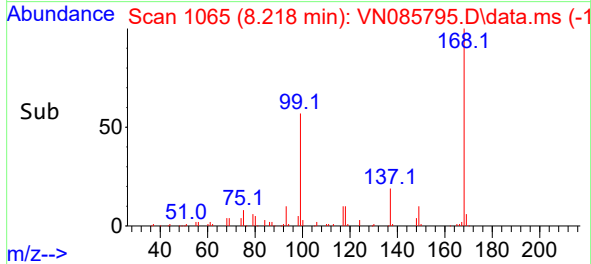


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

Instrument :
MSVOA_N
ClientSampleId :

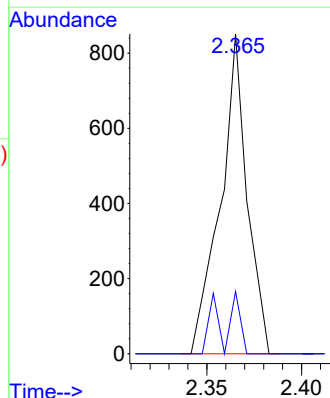
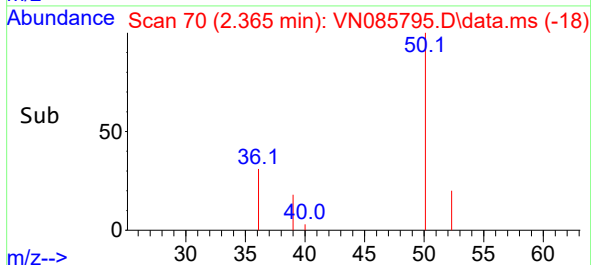
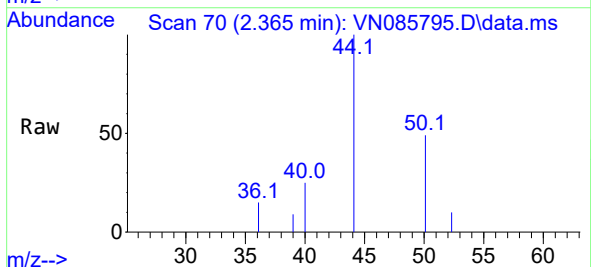


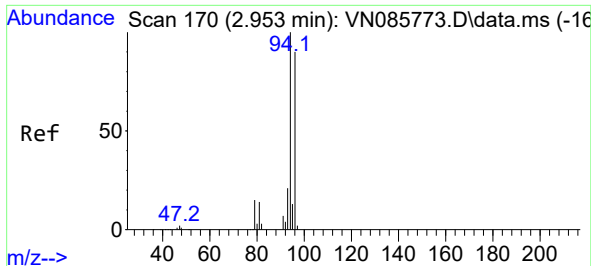
Tgt Ion:168 Resp: 218639
Ion Ratio Lower Upper
168 100
99 57.0 47.9 71.9



#3
Chloromethane
Concen: 0.28 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

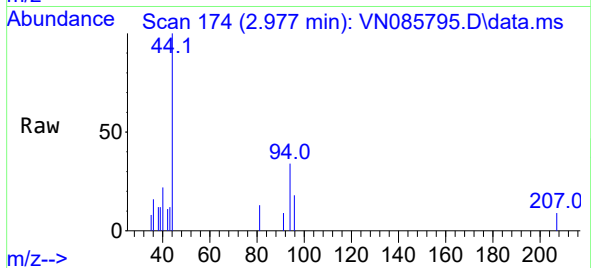
Tgt Ion: 50 Resp: 833
Ion Ratio Lower Upper
50 100
52 19.5 26.7 40.1#



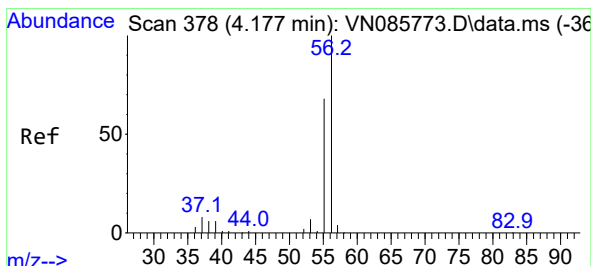
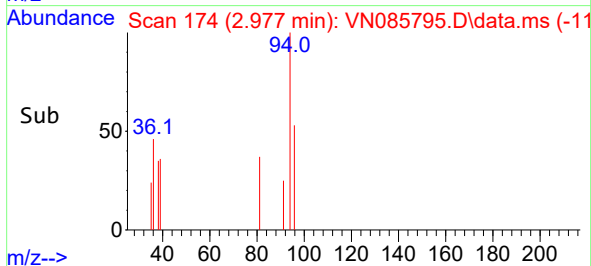
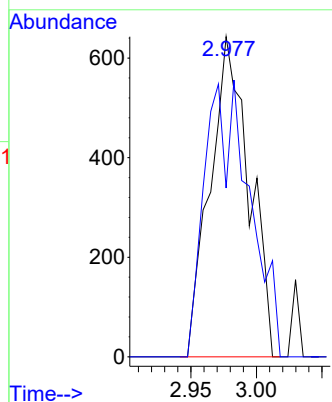


#5
Bromomethane
Concen: 0.66 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

Instrument :
MSVOA_N
ClientSampleId :

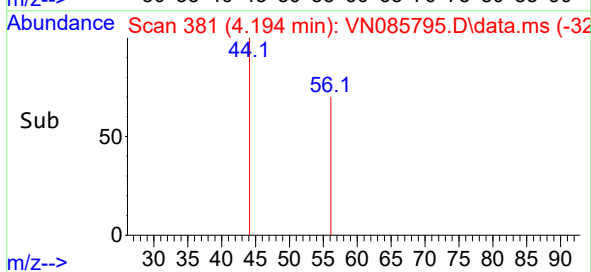
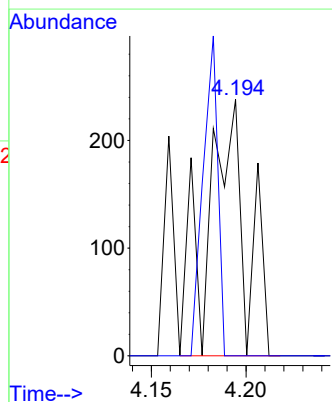
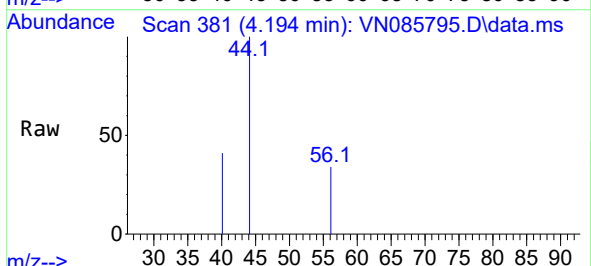


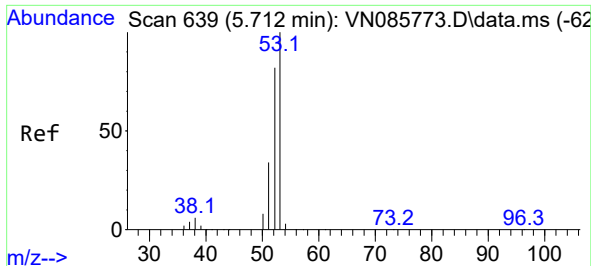
Tgt Ion: 94 Resp: 1328
Ion Ratio Lower Upper
94 100
96 52.7 71.7 107.5#



#13
Acrolein
Concen: 0.66 ug/l
RT: 4.194 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

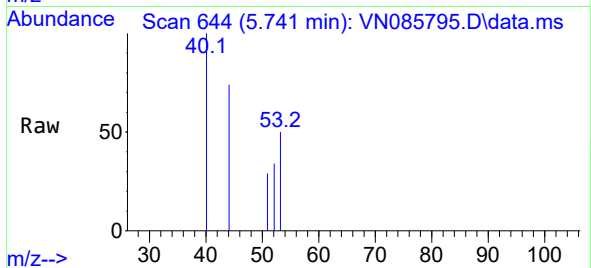
Tgt Ion: 56 Resp: 342
Ion Ratio Lower Upper
56 100
55 47.1 55.3 82.9#



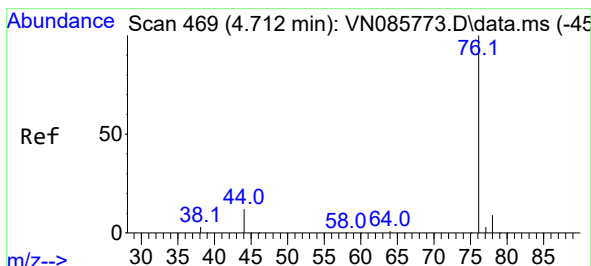
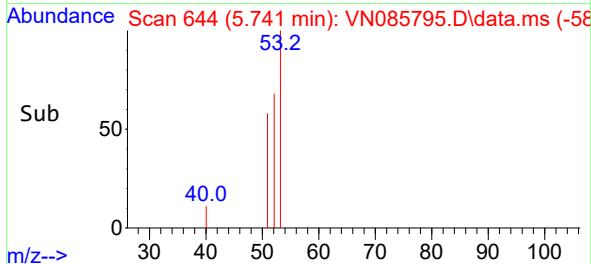
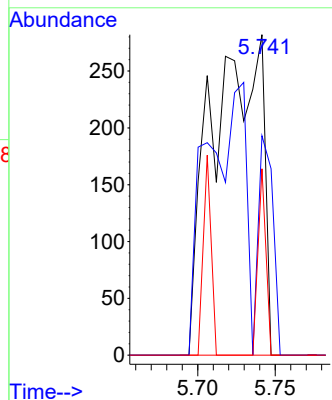


#15
Acrylonitrile
Concen: 0.56 ug/l
RT: 5.741 min Scan# 64
Delta R.T. 0.029 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

Instrument :
MSVOA_N
ClientSampleId :

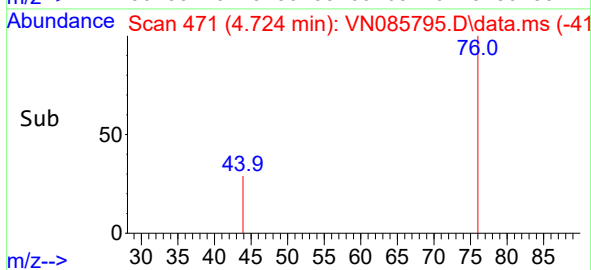
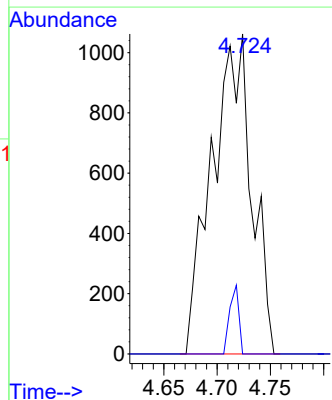
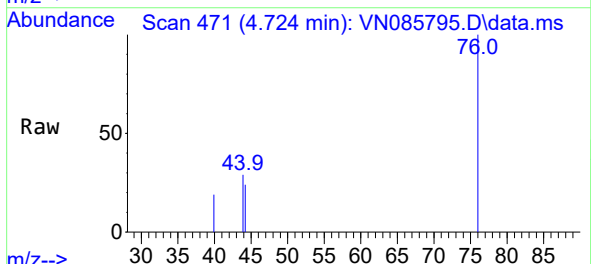


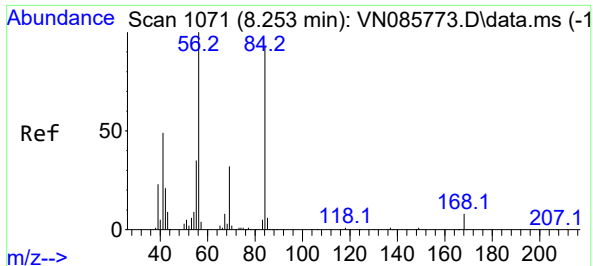
Tgt Ion: 53 Resp: 633
Ion Ratio Lower Upper
53 100
52 19.9 65.8 98.6#
51 9.2 28.6 42.8#



#17
Carbon Disulfide
Concen: 0.39 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.012 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

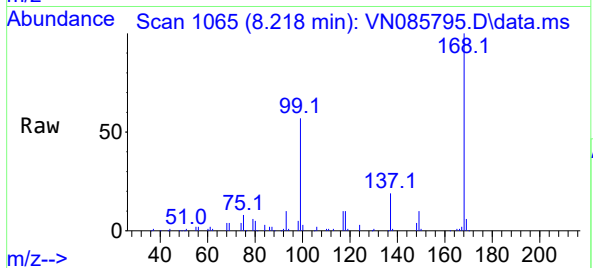
Tgt Ion: 76 Resp: 2757
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



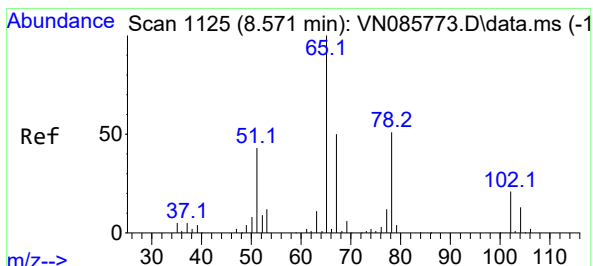
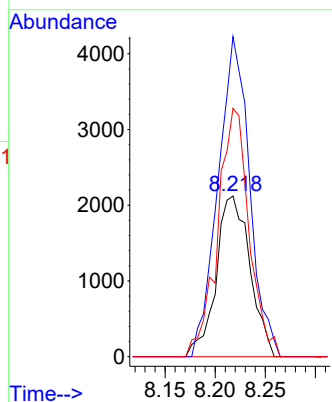
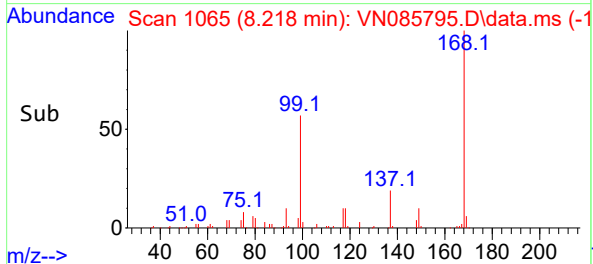


#31
Cyclohexane
Concen: 1.23 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

Instrument :
MSVOA_N
ClientSampleId :

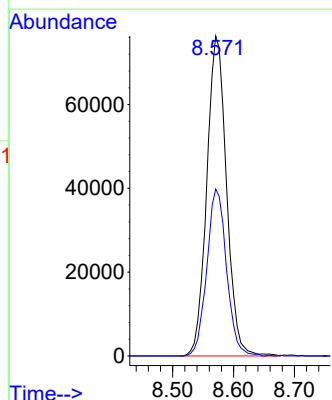
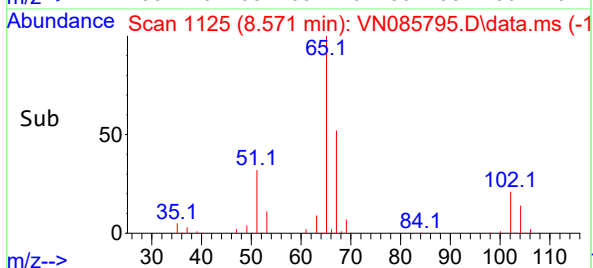
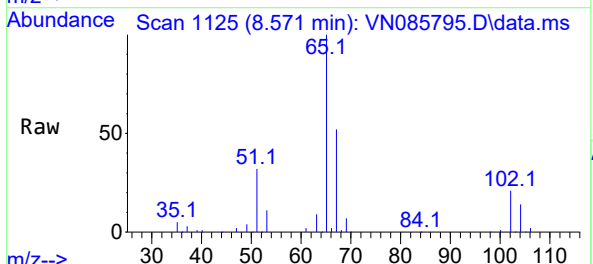


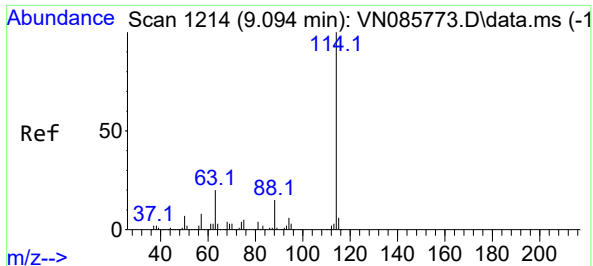
Tgt Ion: 56 Resp: 4964
Ion Ratio Lower Upper
56 100
69 199.2 25.8 38.6#
84 154.6 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 60.69 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.000 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

Tgt Ion: 65 Resp: 172017
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.2

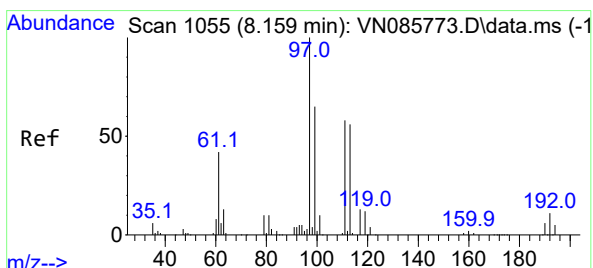
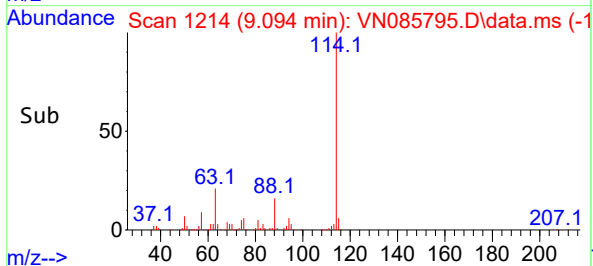
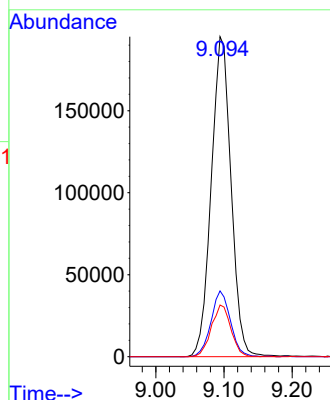
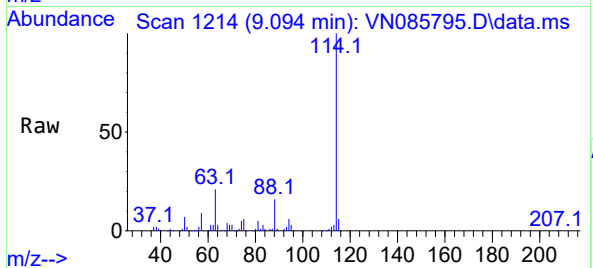




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 9.094 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

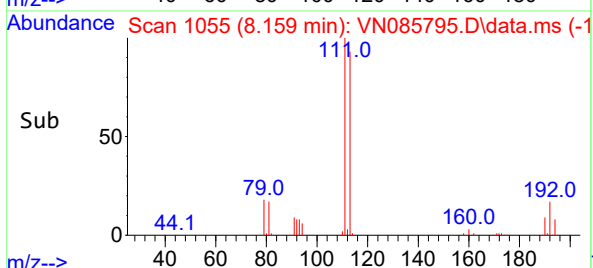
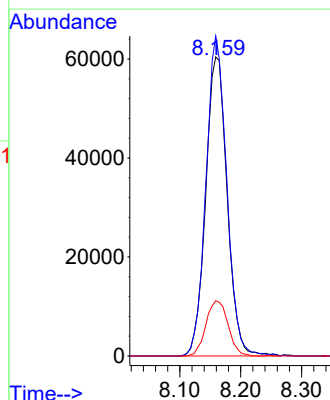
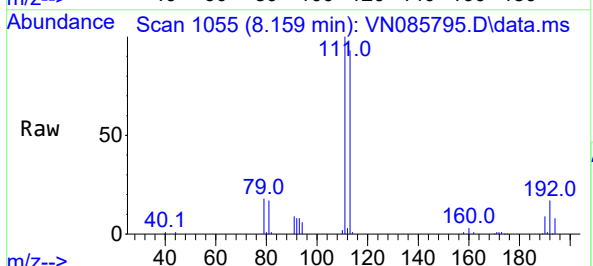
Instrument :
MSVOA_N
ClientSampleId :

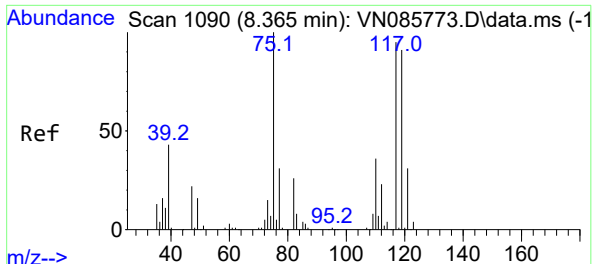
Tgt Ion:114 Resp: 394573
Ion Ratio Lower Upper
114 100
63 20.6 0.0 39.2
88 16.1 0.0 30.0



#35
Dibromofluoromethane
Concen: 57.49 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

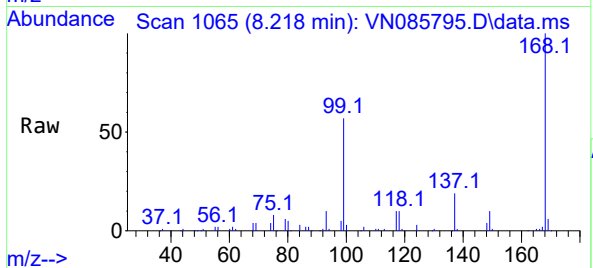
Tgt Ion:113 Resp: 148435
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.4
192 18.9 14.7 22.1



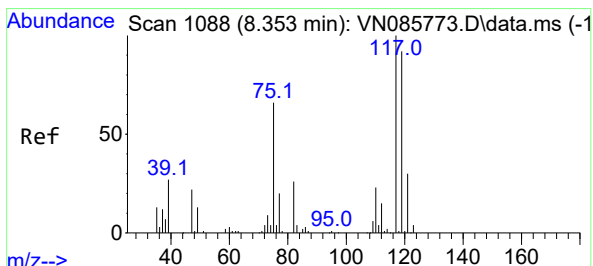
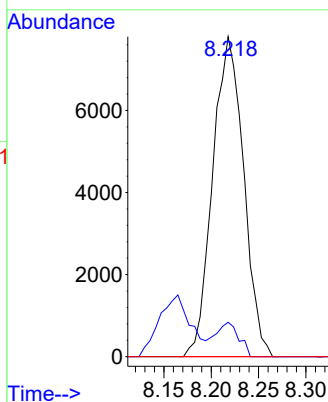
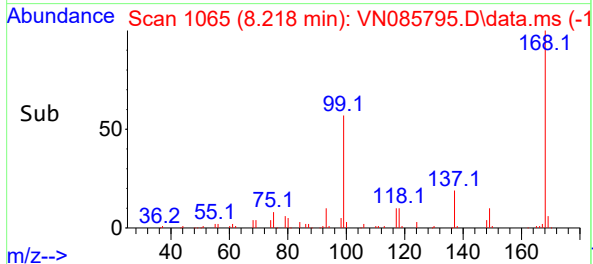


#36
1,1-Dichloropropene
Concen: 4.84 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

Instrument :
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ClientSampleId :

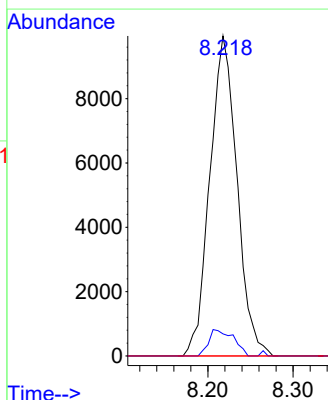
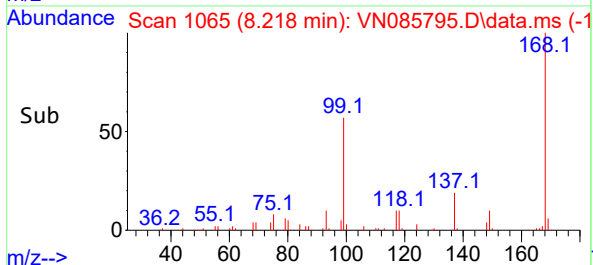
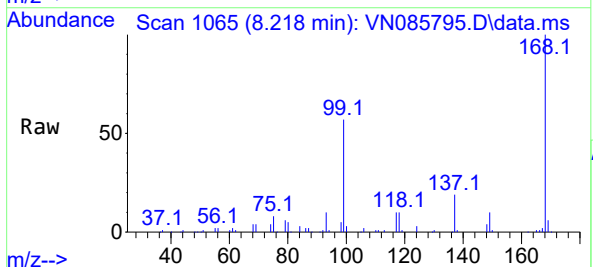


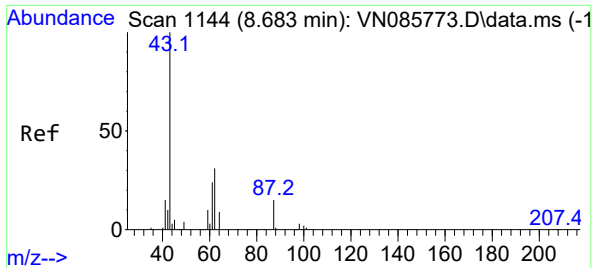
Tgt Ion: 75 Resp: 17700
Ion Ratio Lower Upper
75 100
110 8.2 17.3 52.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.08 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

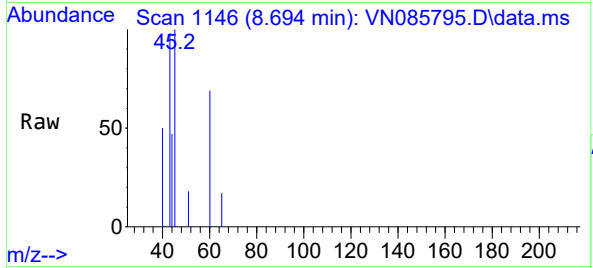
Tgt Ion: 117 Resp: 22050
Ion Ratio Lower Upper
117 100
119 6.9 73.8 110.6#
121 0.0 24.3 36.5#



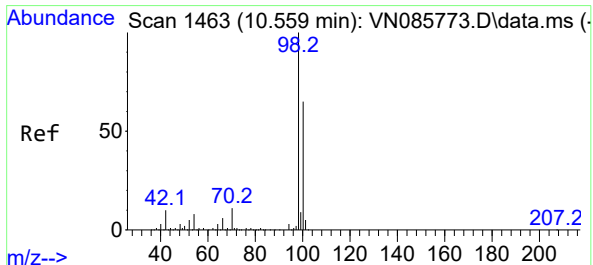
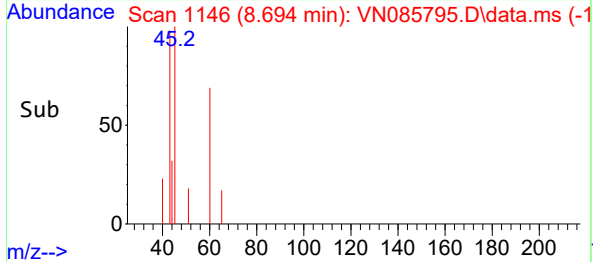
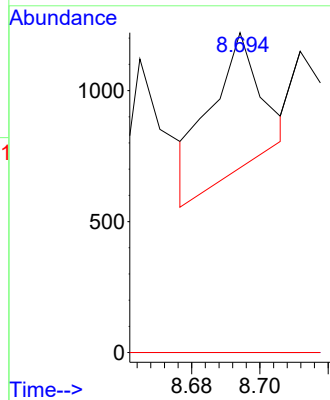


#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.694 min Scan# 1144
Delta R.T. 0.011 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

Instrument :
MSVOA_N
ClientSampleId :

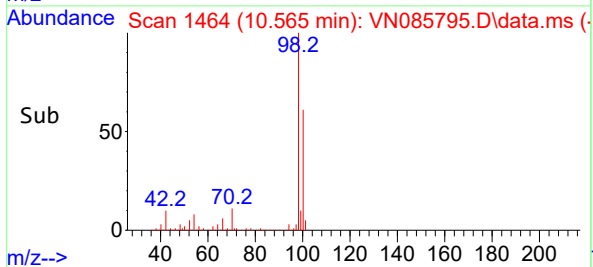
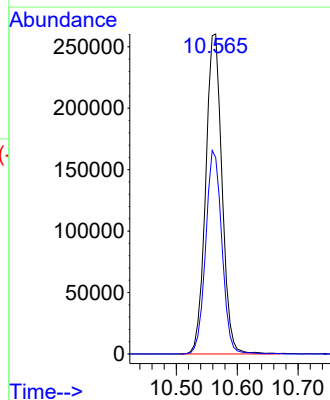
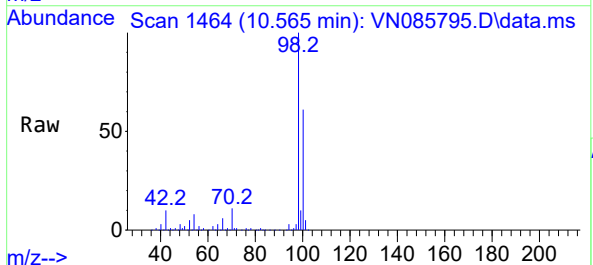


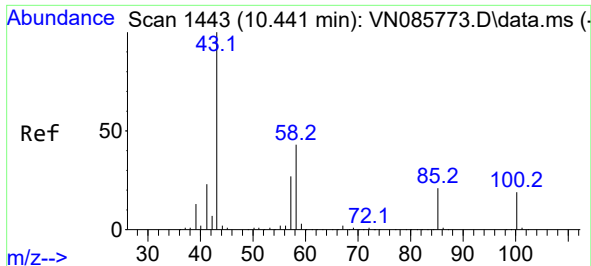
Tgt Ion: 43 Resp: 549
Ion Ratio Lower Upper
43 100
61 0.0 22.6 34.0#
87 0.0 11.8 17.8#



#50
Toluene-d8
Concen: 51.77 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

Tgt Ion: 98 Resp: 486267
Ion Ratio Lower Upper
98 100
100 62.9 52.1 78.1

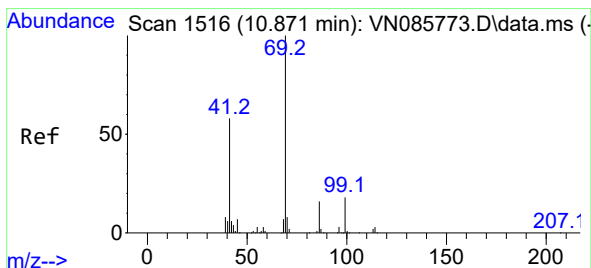
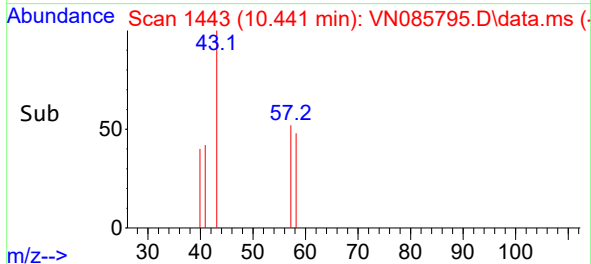
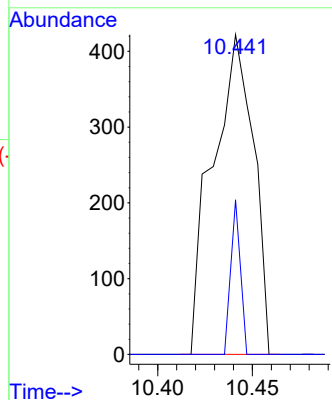
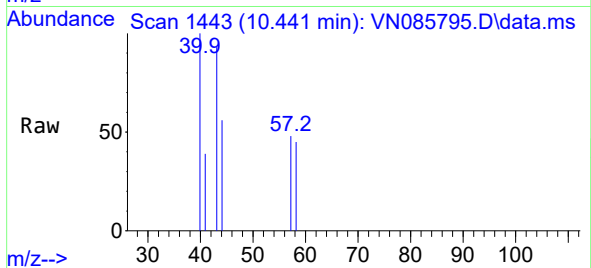




#51
4-Methyl-2-Pentanone
Concen: 0.22 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

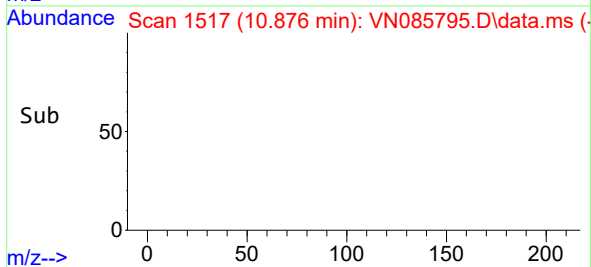
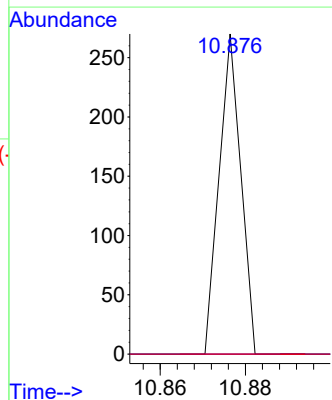
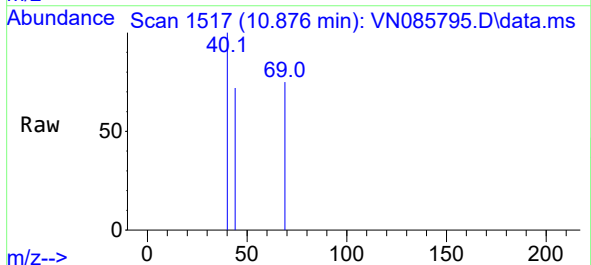
Instrument :
MSVOA_N
ClientSampleId :

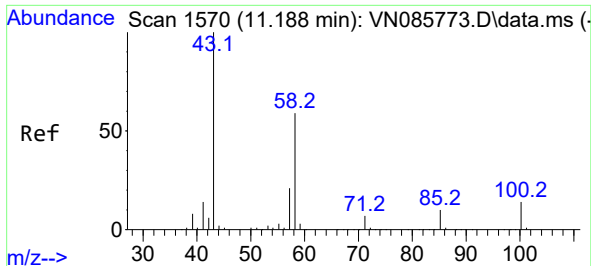
Tgt Ion: 43 Resp: 633
Ion Ratio Lower Upper
43 100
58 0.0 34.6 52.0#



#56
Ethyl methacrylate
Concen: 0.49 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.005 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

Tgt Ion: 69 Resp: 95
Ion Ratio Lower Upper
69 100
41 0.0 46.0 69.0#
39 0.0 22.0 33.0#

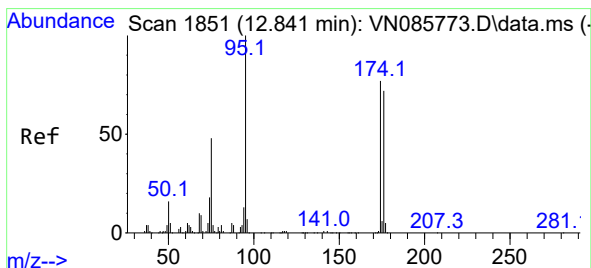
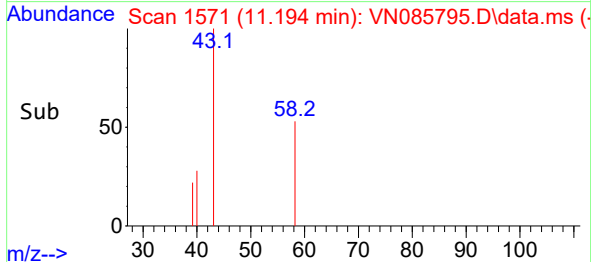
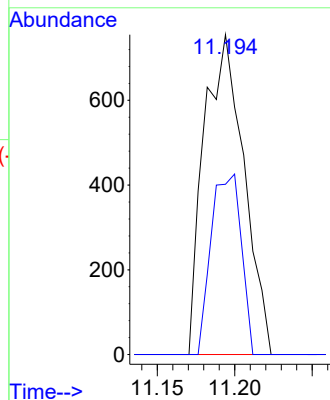
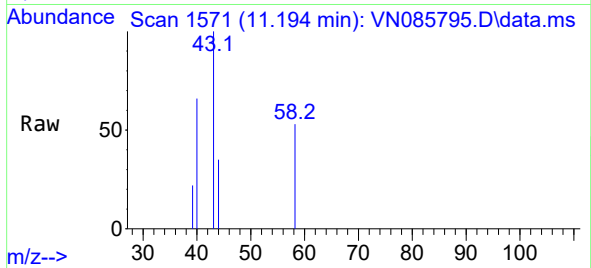




#59
2-Hexanone
Concen: 0.68 ug/l
RT: 11.194 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

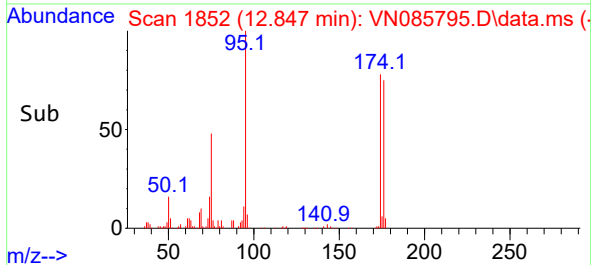
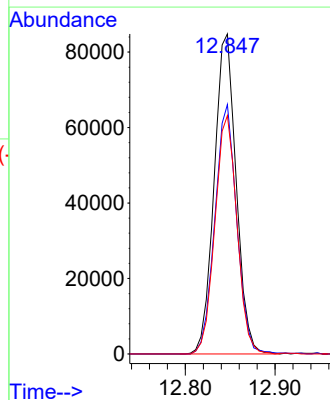
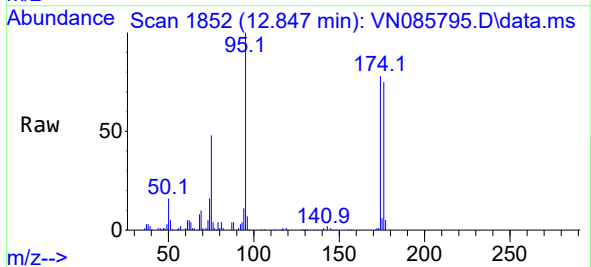
Instrument :
MSVOA_N
ClientSampleId :

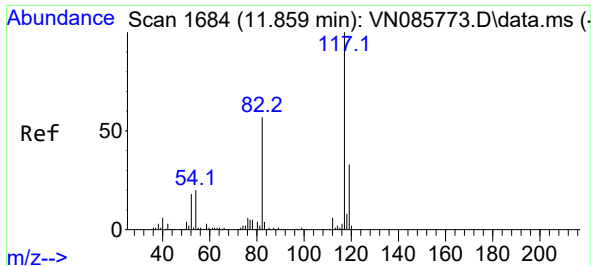
Tgt Ion: 43 Resp: 1350
Ion Ratio Lower Upper
43 100
58 42.5 29.8 89.5



#62
4-Bromofluorobenzene
Concen: 46.60 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

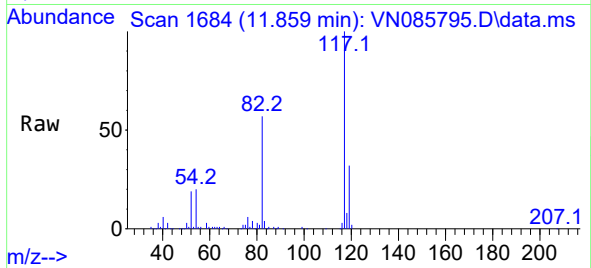
Tgt Ion: 95 Resp: 144225
Ion Ratio Lower Upper
95 100
174 77.6 0.0 152.4
176 74.4 0.0 146.6



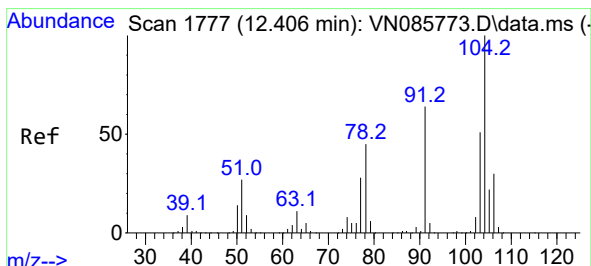
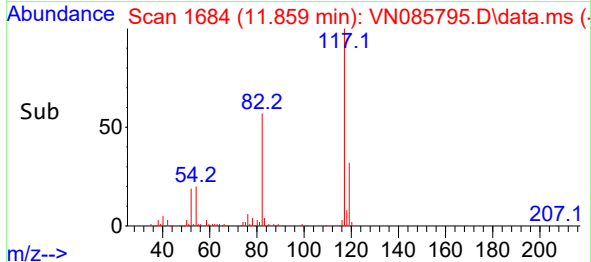
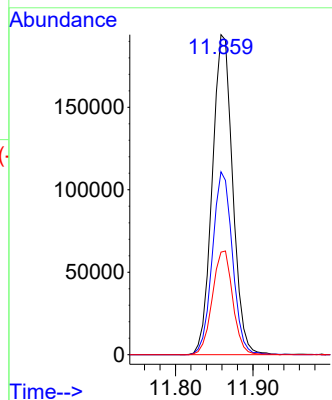


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.859 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

Instrument :
MSVOA_N
ClientSampleId :

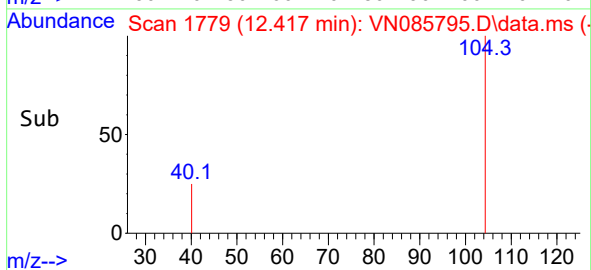
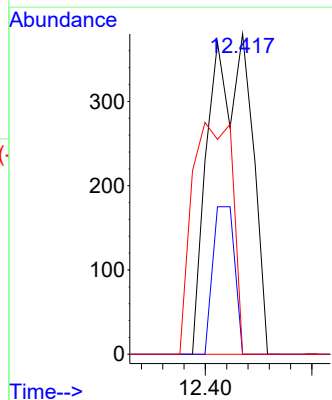
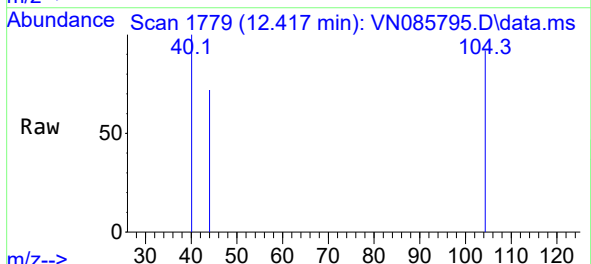


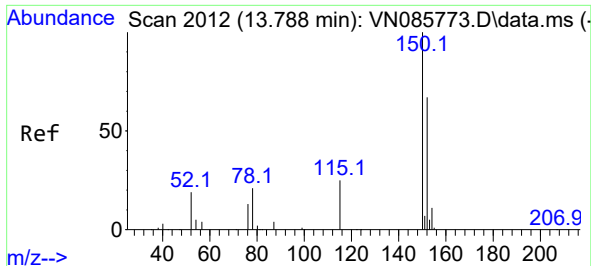
Tgt Ion:117 Resp: 354666
Ion Ratio Lower Upper
117 100
82 57.2 45.7 68.5
119 32.0 26.2 39.2



#70
Styrene
Concen: 0.65 ug/l
RT: 12.417 min Scan# 1779
Delta R.T. 0.011 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

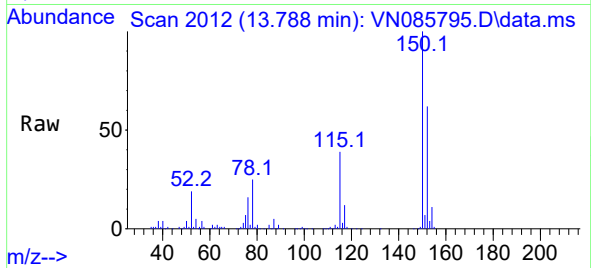
Tgt Ion:104 Resp: 521
Ion Ratio Lower Upper
104 100
78 23.6 39.0 58.6#
103 69.1 43.3 64.9#



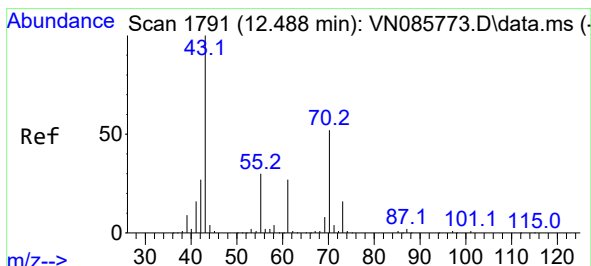
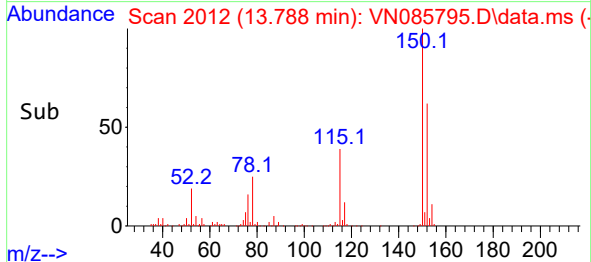
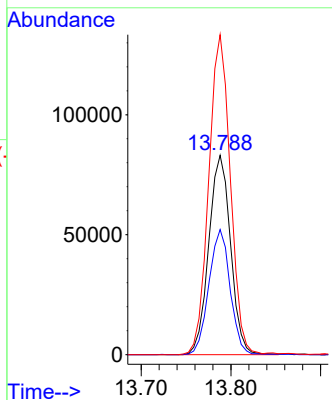


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

Instrument :
MSVOA_N
ClientSampleId :

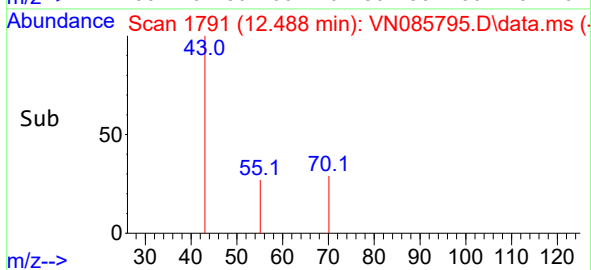
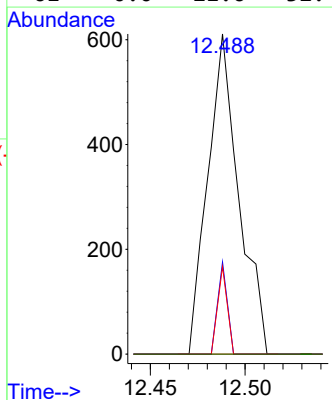
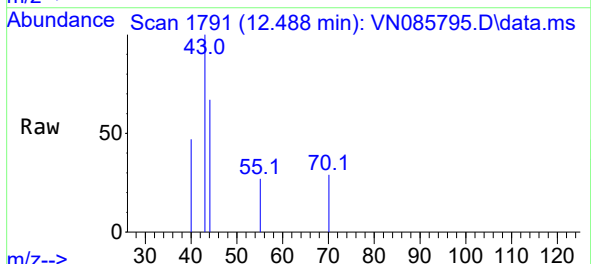


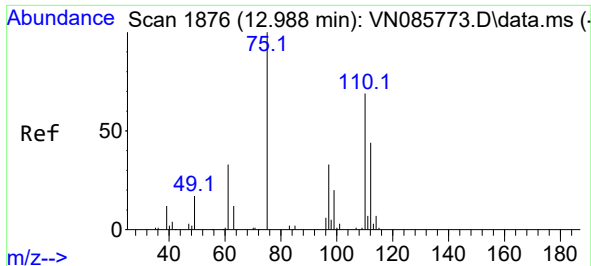
Tgt Ion:152 Resp: 140463
Ion Ratio Lower Upper
152 100
115 61.3 30.4 91.3
150 159.3 0.0 345.4



#74
N-ethyl acetate
Concen: 0.21 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

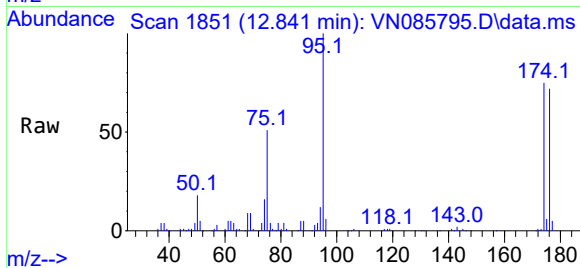
Tgt Ion: 43 Resp: 698
Ion Ratio Lower Upper
43 100
70 8.9 41.0 61.4#
55 8.5 24.6 36.8#
61 0.0 21.6 32.4#



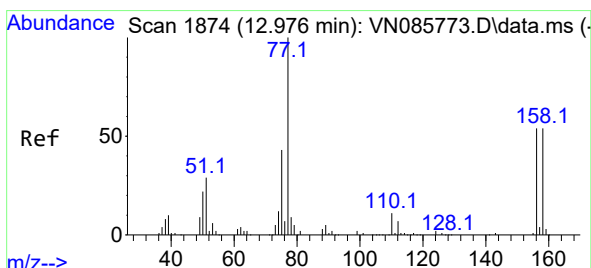
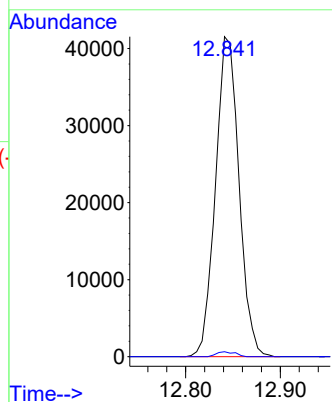
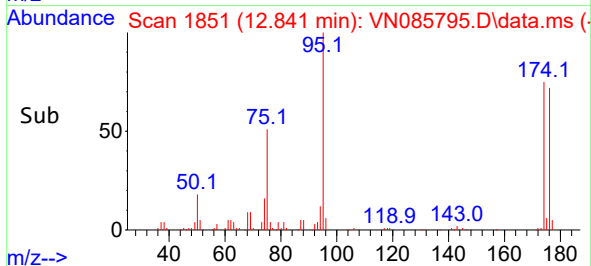


#76
1,2,3-Trichloropropane
Concen: 22.97 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.147 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

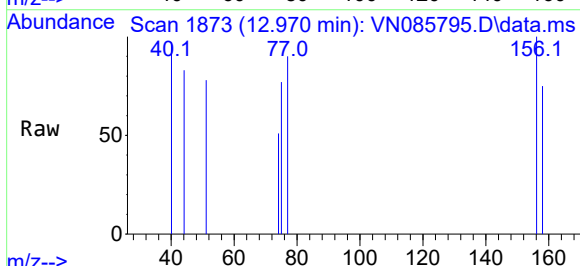
Instrument :
MSVOA_N
ClientSampleId :



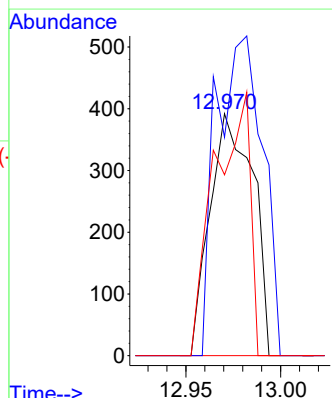
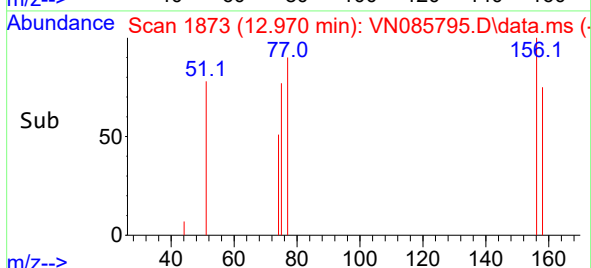
Tgt Ion: 75 Resp: 71680
Ion Ratio Lower Upper
75 100
77 1.3 100.0 300.0#

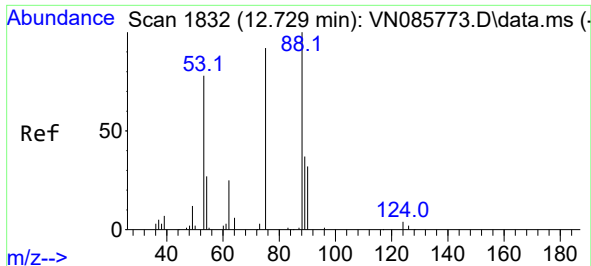


#77
Bromobenzene
Concen: 0.24 ug/l
RT: 12.970 min Scan# 1873
Delta R.T. -0.006 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21



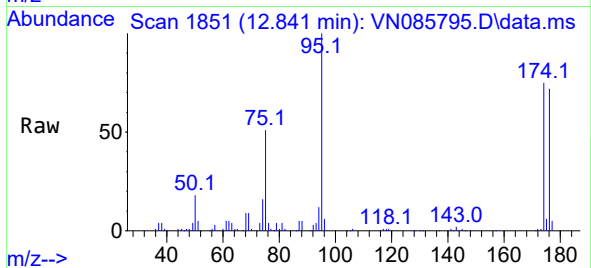
Tgt Ion:156 Resp: 619
Ion Ratio Lower Upper
156 100
77 142.0 104.1 312.3
158 89.5 48.1 144.4



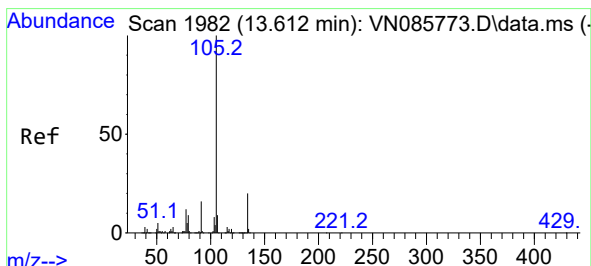
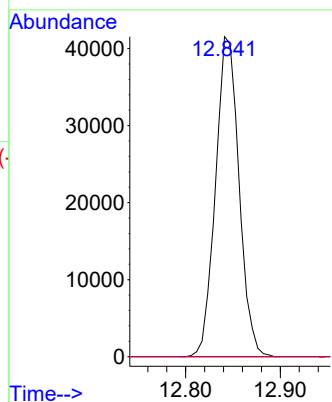
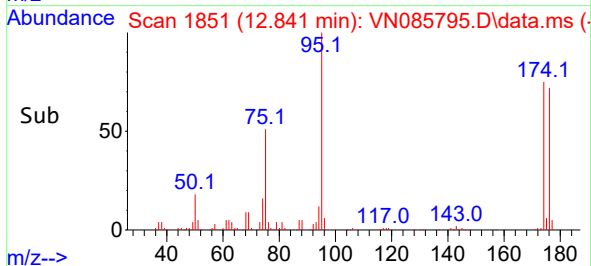


#81
trans-1,4-Dichloro-2-butene
Concen: 67.03 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.112 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

Instrument :
MSVOA_N
ClientSampleId :

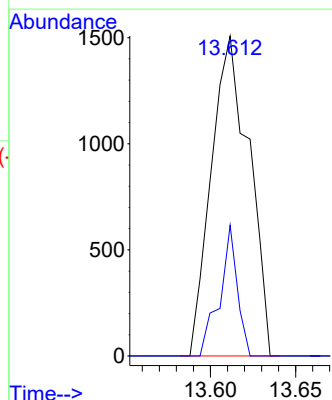
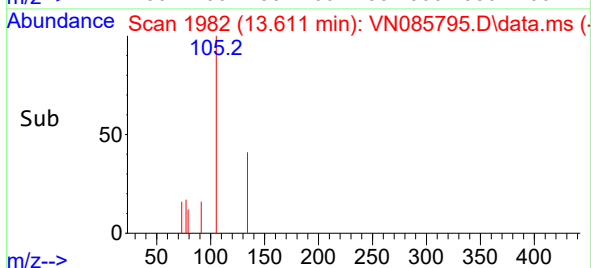
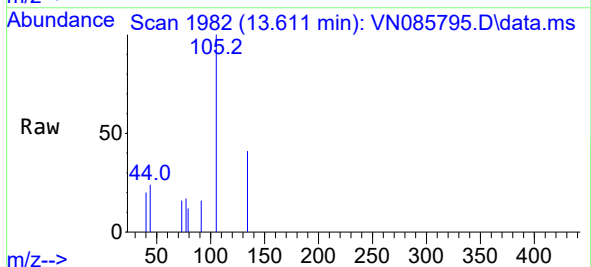


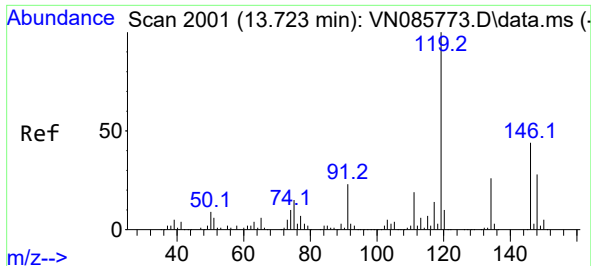
Tgt Ion: 75 Resp: 71680
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#



#85
sec-Butylbenzene
Concen: 0.25 ug/l
RT: 13.611 min Scan# 1982
Delta R.T. -0.001 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

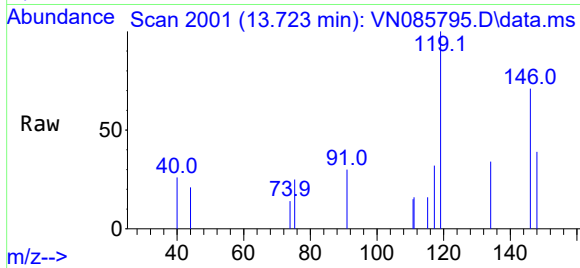
Tgt Ion: 105 Resp: 2325
Ion Ratio Lower Upper
105 100
134 19.1 9.8 29.4



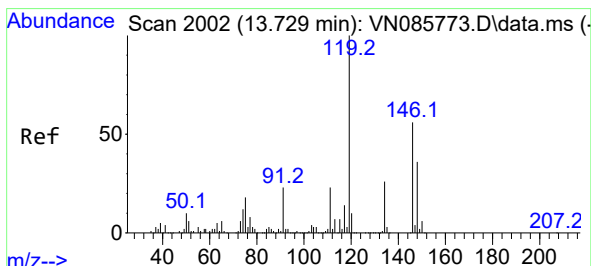
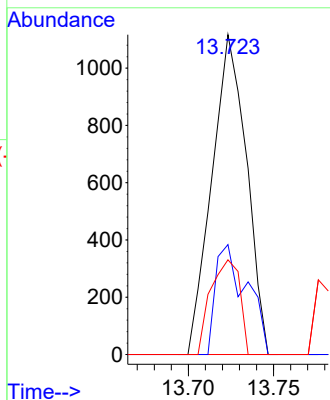
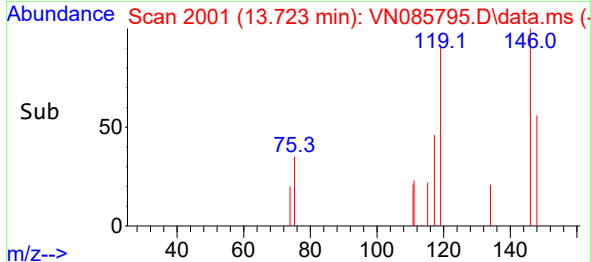


#86
p-Isopropyltoluene
Concen: 0.82 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

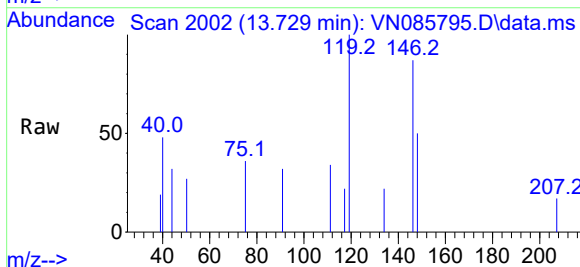
Instrument :
MSVOA_N
ClientSampleId :



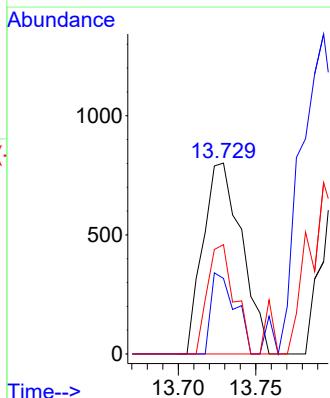
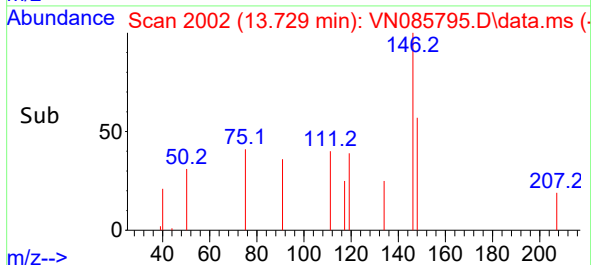
Tgt Ion:119 Resp: 1577
Ion Ratio Lower Upper
119 100
134 30.9 13.0 39.0
91 24.9 11.7 35.1

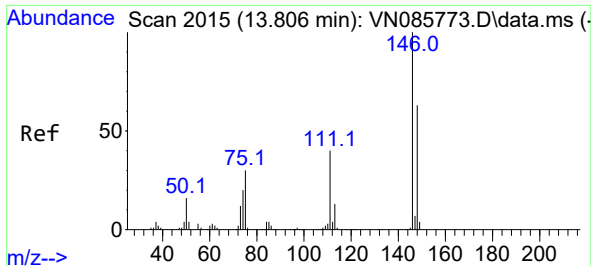


#87
1,3-Dichlorobenzene
Concen: 0.29 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21



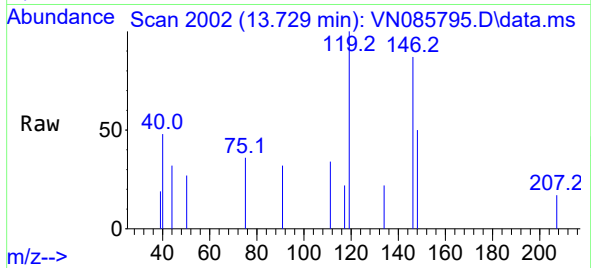
Tgt Ion:146 Resp: 1389
Ion Ratio Lower Upper
146 100
111 26.6 21.1 63.3
148 39.8 32.1 96.5



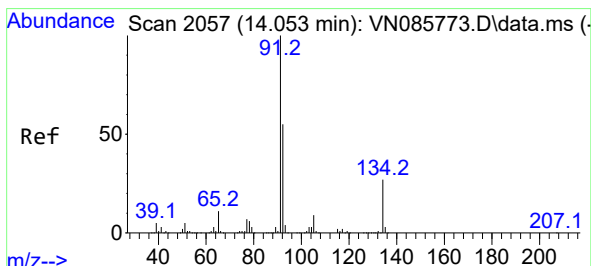
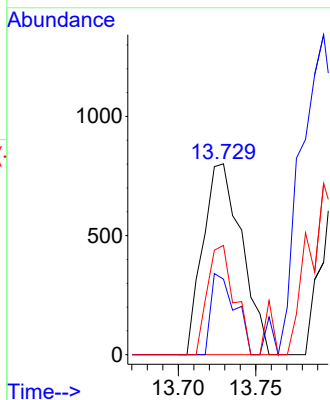
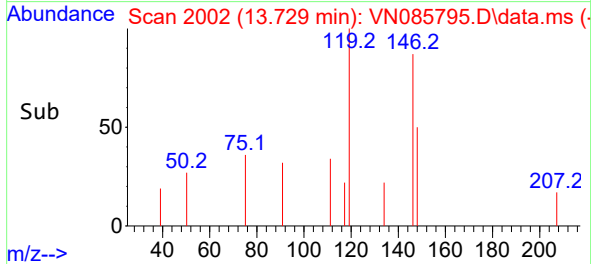


#88
1,4-Dichlorobenzene
Concen: 0.28 ug/l
RT: 13.729 min Scan# 2015
Delta R.T. -0.077 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

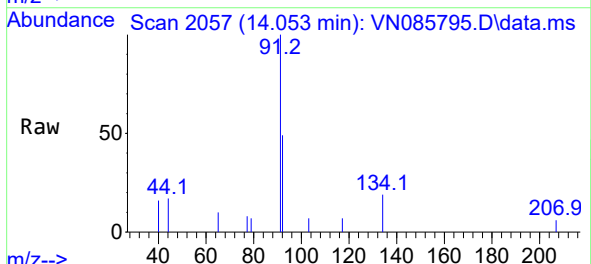
Instrument :
MSVOA_N
ClientSampleId :



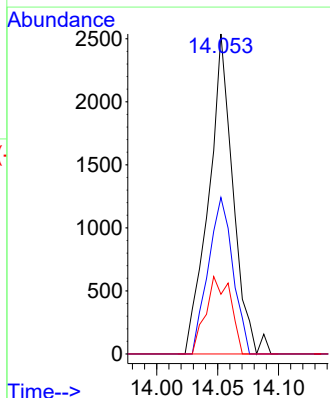
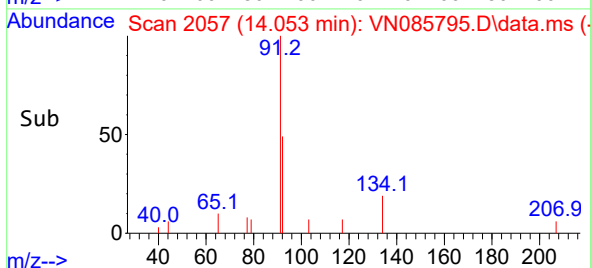
Tgt Ion:146 Resp: 1389
Ion Ratio Lower Upper
146 100
111 26.6 20.4 61.3
148 39.8 31.8 95.4

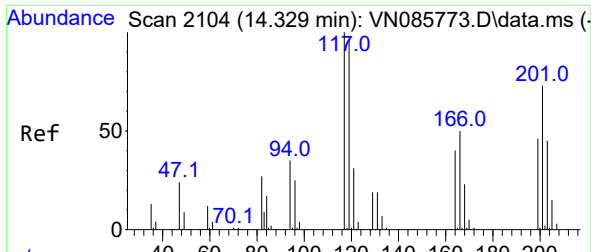


#89
n-Butylbenzene
Concen: 0.54 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21



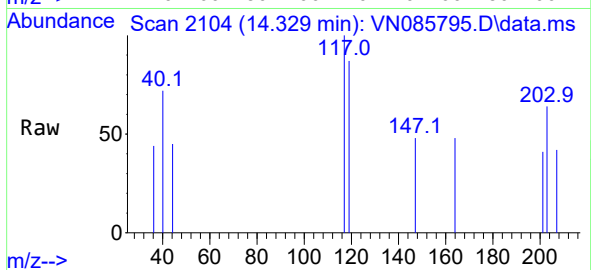
Tgt Ion: 91 Resp: 3541
Ion Ratio Lower Upper
91 100
92 49.4 27.1 81.3
134 24.5 12.7 38.1



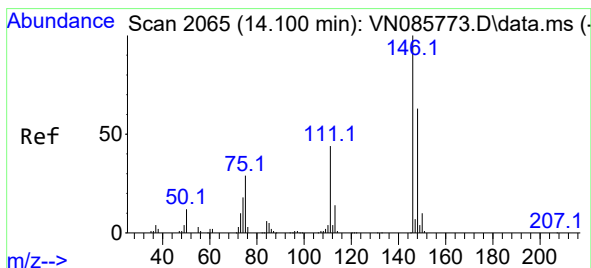
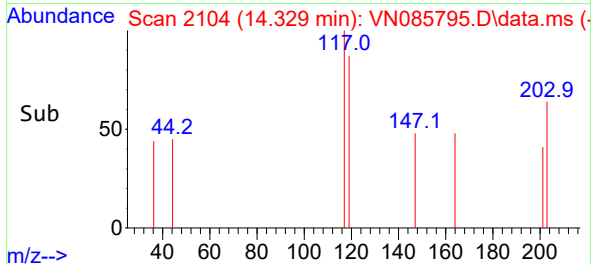
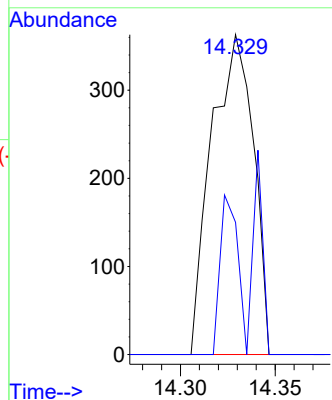


#90
Hexachloroethane
Concen: 0.32 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

Instrument :
MSVOA_N
ClientSampleId :

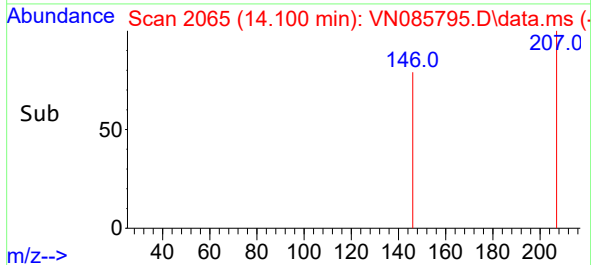
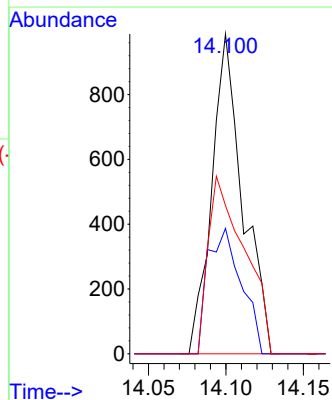
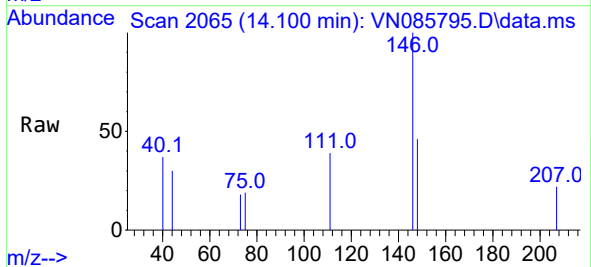


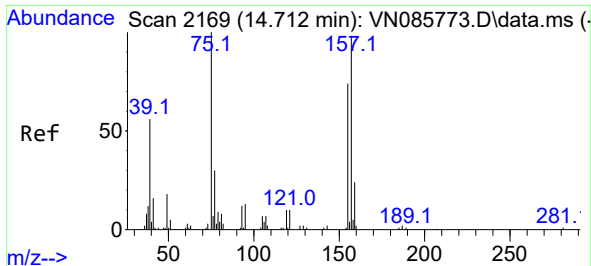
Tgt Ion:117 Resp: 558
Ion Ratio Lower Upper
117 100
201 21.0 35.6 106.9#



#91
1,2-Dichlorobenzene
Concen: 0.29 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

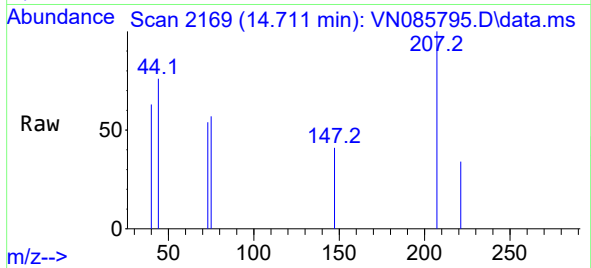
Tgt Ion:146 Resp: 1371
Ion Ratio Lower Upper
146 100
111 42.2 21.4 64.3
148 65.0 32.0 96.2



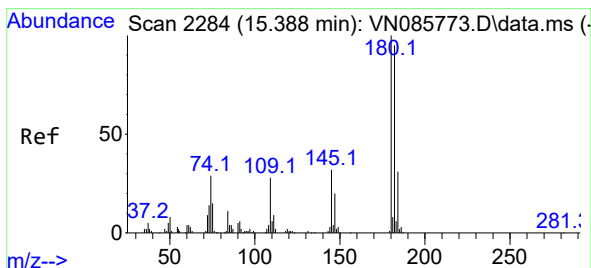
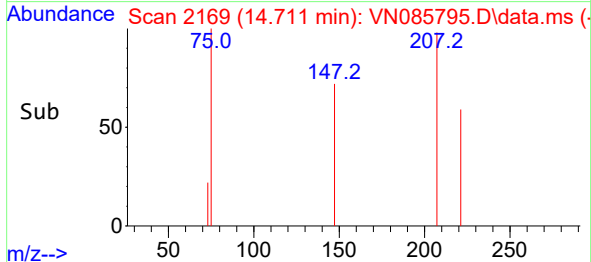
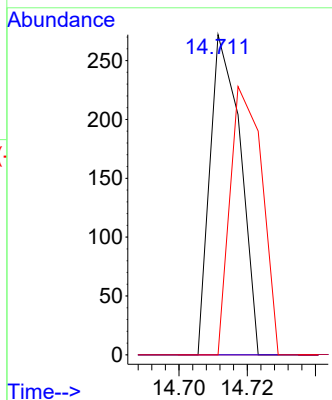


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.28 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

Instrument :
MSVOA_N
ClientSampleId :

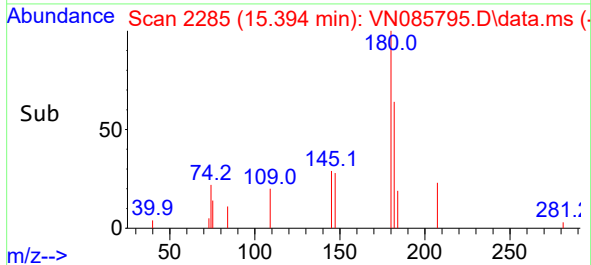
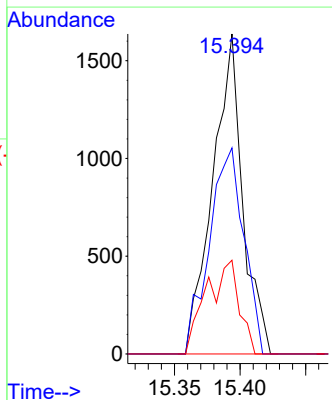
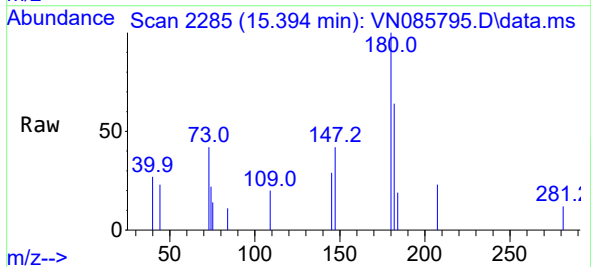


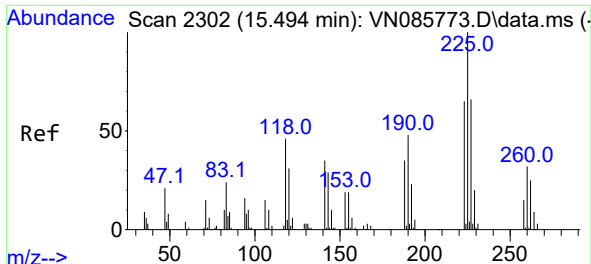
Tgt Ion: 75 Resp: 168
Ion Ratio Lower Upper
75 100
155 0.0 39.9 119.6#
157 87.5 49.9 149.7



#93
1,2,4-Trichlorobenzene
Concen: 1.17 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

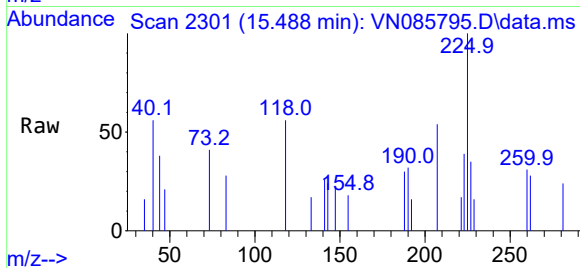
Tgt Ion: 180 Resp: 2601
Ion Ratio Lower Upper
180 100
182 74.4 47.3 141.9
145 32.1 16.2 48.5



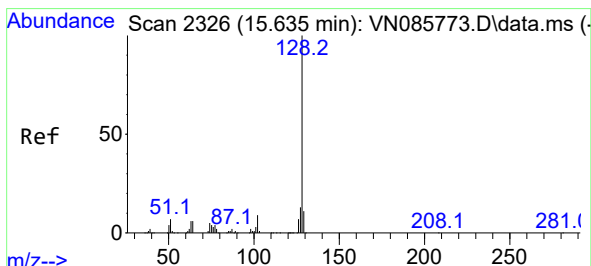
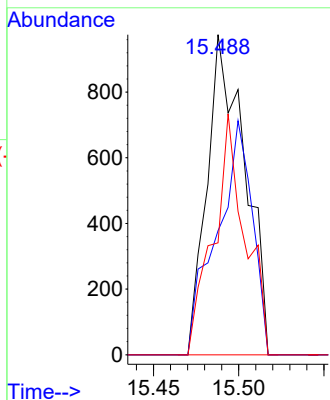
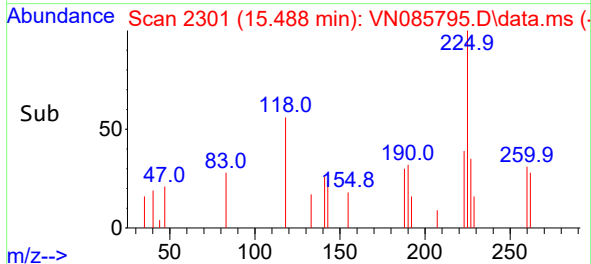


#94
Hexachlorobutadiene
Concen: 1.11 ug/l
RT: 15.488 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21

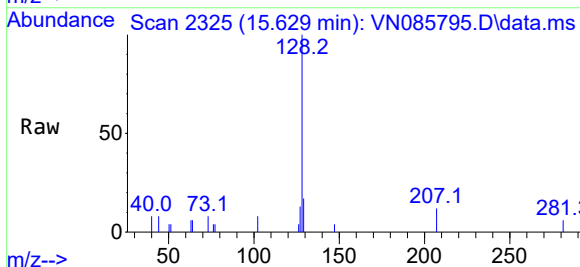
Instrument :
MSVOA_N
ClientSampleId :



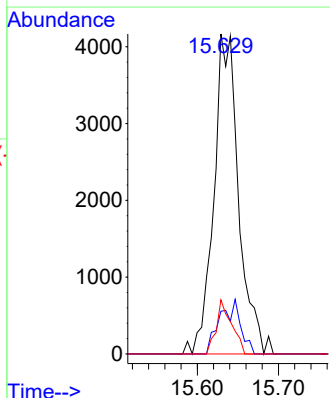
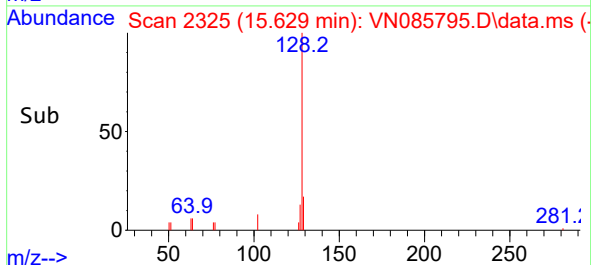
Tgt Ion:225 Resp: 1499
Ion Ratio Lower Upper
225 100
223 68.5 31.9 95.5
227 63.0 32.2 96.6

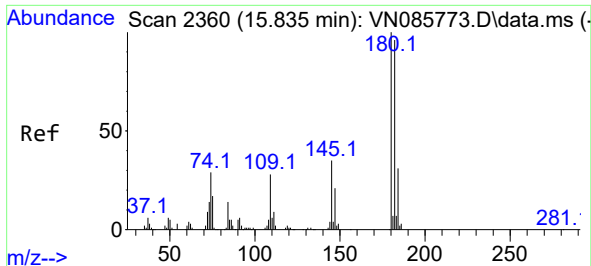


#95
Naphthalene
Concen: 1.45 ug/l
RT: 15.629 min Scan# 2325
Delta R.T. -0.006 min
Lab File: VN085795.D
Acq: 20 Feb 2025 11:21



Tgt Ion:128 Resp: 8871
Ion Ratio Lower Upper
128 100
127 14.2 10.2 15.2
129 10.4 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 1.41 ug/l

RT: 15.829 min Scan# 21

Delta R.T. -0.006 min

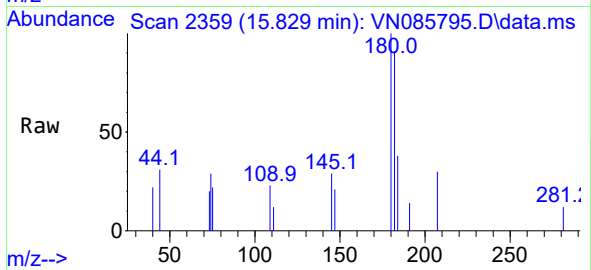
Lab File: VN085795.D

Acq: 20 Feb 2025 11:21

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 3151

Ion Ratio Lower Upper

180 100

182 94.4 47.3 141.8

145 32.5 16.9 50.6

