

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031225\
 Data File : VN085960.D
 Acq On : 12 Mar 2025 15:19
 Operator : JC\MD
 Sample : Q1528-03 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 22425

Quant Time: Mar 13 01:37:20 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)

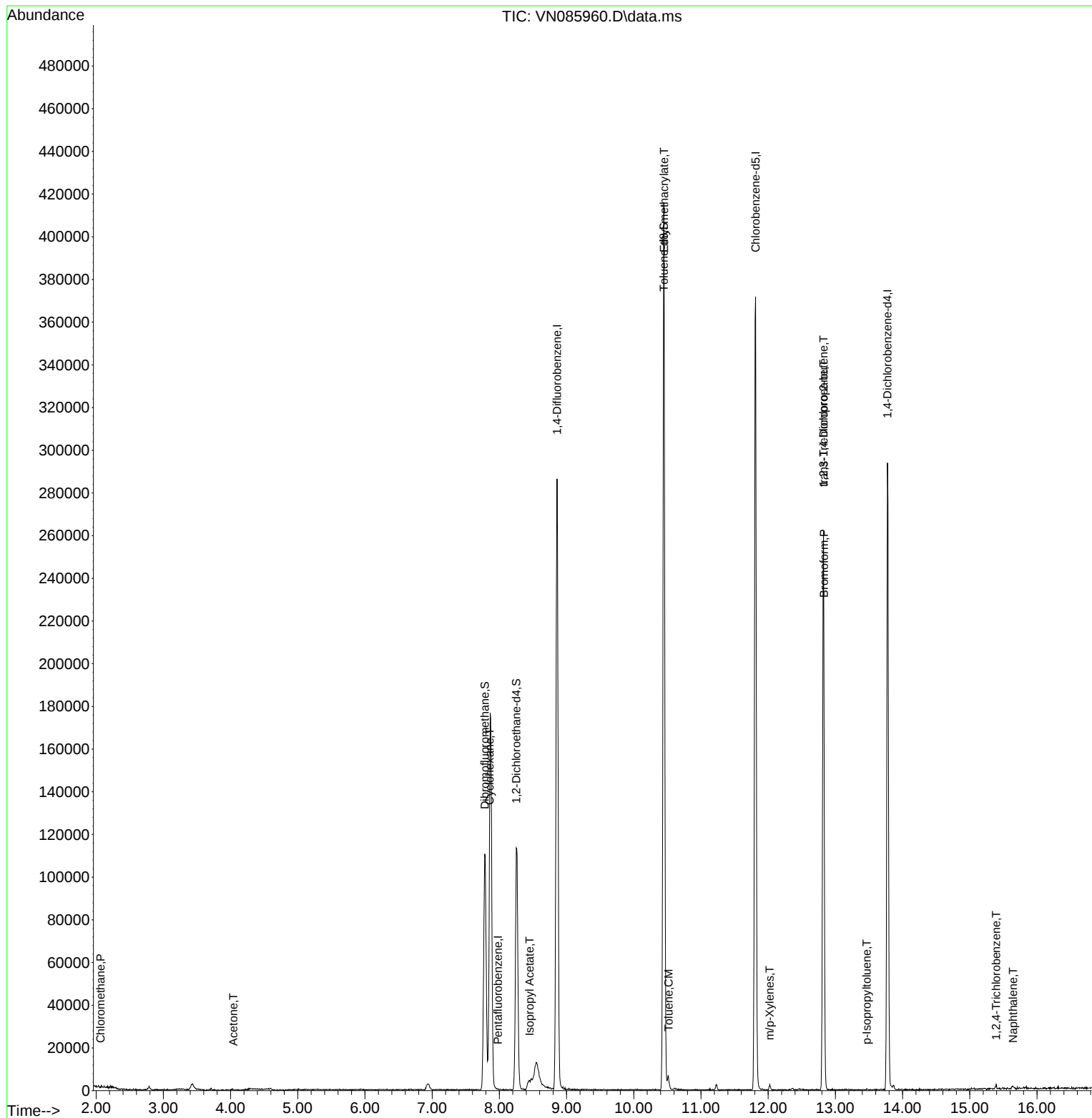
Internal Standards						
1) Pentafluorobenzene	7.977	168	312	50.000	ug/l	#-0.24
34) 1,4-Difluorobenzene	8.859	114	262368	50.000	ug/l	-0.24
63) Chlorobenzene-d5	11.812	117	201647	50.000	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	13.776	152	82887	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.253	65	105521	26086.955	ug/l	-0.32
Spiked Amount	50.000	Range 74 - 125	Recovery	= 52173.900%#		
35) Dibromofluoromethane	7.782	113	88935	51.802	ug/l	-0.38
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.600%		
50) Toluene-d8	10.447	98	292887	46.890	ug/l	-0.11
Spiked Amount	50.000	Range 86 - 113	Recovery	= 93.780%		
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range 77 - 121	Recovery	= 0.000%#		
Target Compounds						Qvalue
3) Chloromethane	2.065	50	55	12.915	ug/l #	41
16) Acetone	4.042	43	629	491.444	ug/l #	40
31) Cyclohexane	7.853	56	2872	497.105	ug/l #	54
43) Isopropyl Acetate	8.453	43	3875	0.564	ug/l #	53
52) Toluene	10.518	92	2837	0.621	ug/l	99
56) Ethyl methacrylate	10.453	69	1032	0.901	ug/l #	80
68) m/p-Xylenes	12.023	106	727	0.264	ug/l #	67
71) Bromoform	12.829	173	463	0.375	ug/l #	1
76) 1,2,3-Trichloropropane	12.823	75	48059	26.102	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	48059	76.159	ug/l #	13
86) p-Isopropyltoluene	13.464	119	63	0.639	ug/l #	50
93) 1,2,4-Trichlorobenzene	15.394	180	301	0.229	ug/l #	42
95) Naphthalene	15.647	128	1710	0.473	ug/l #	78

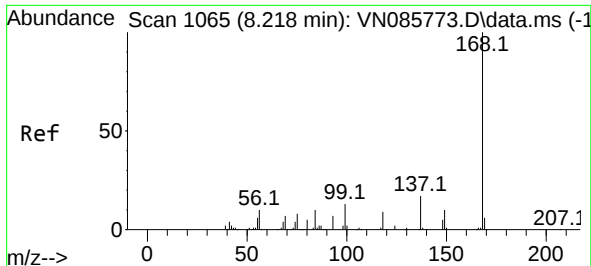
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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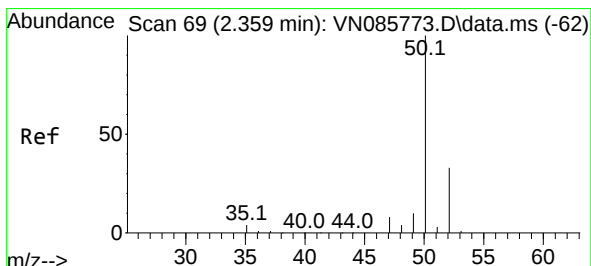
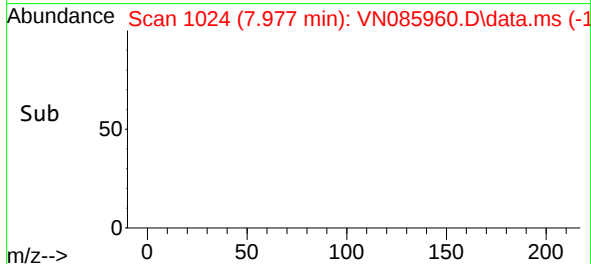
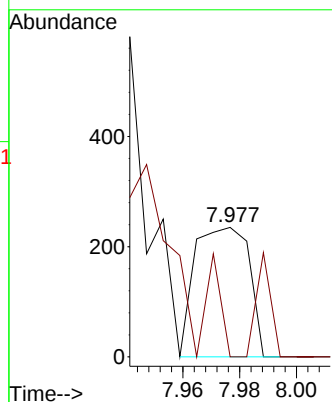
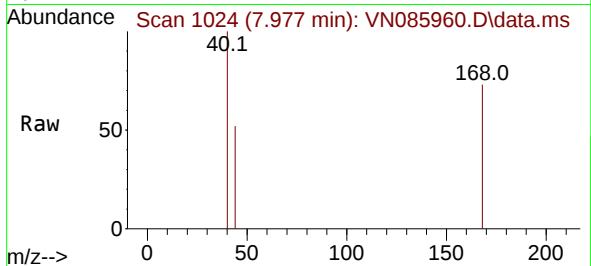




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.977 min Scan# 11
Delta R.T. -0.241 min
Lab File: VN085960.D
Acq: 12 Mar 2025 15:19

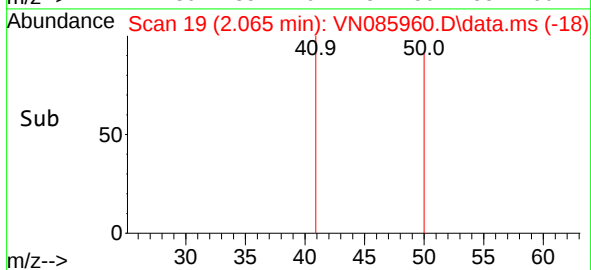
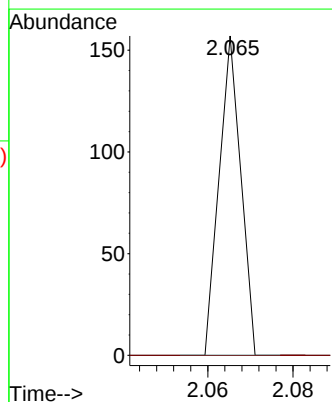
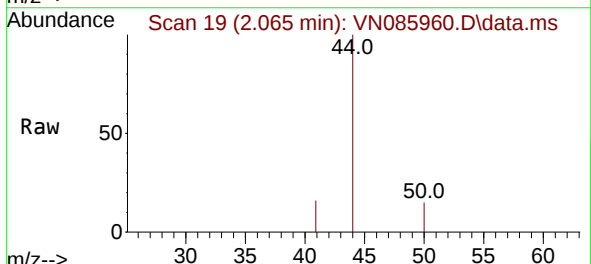
Instrument :
MSVOA_N
ClientSampleId :
22425

Tgt Ion:168 Resp: 312
Ion Ratio Lower Upper
168 100
99 0.0 47.9 71.9#



#3
Chloromethane
Concen: 12.915 ug/l
RT: 2.065 min Scan# 19
Delta R.T. -0.294 min
Lab File: VN085960.D
Acq: 12 Mar 2025 15:19

Tgt Ion: 50 Resp: 55
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

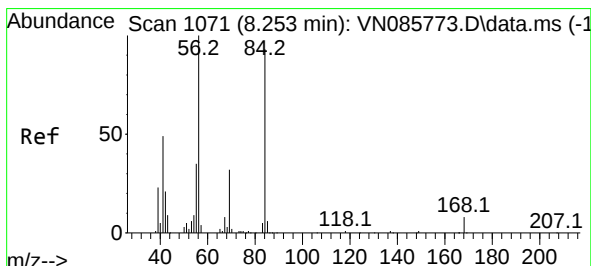
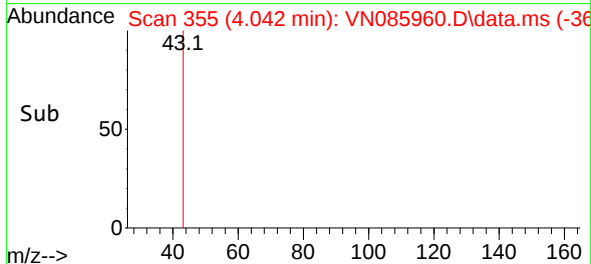
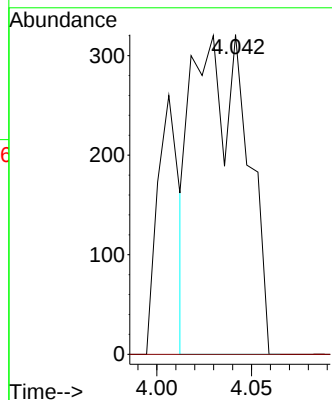
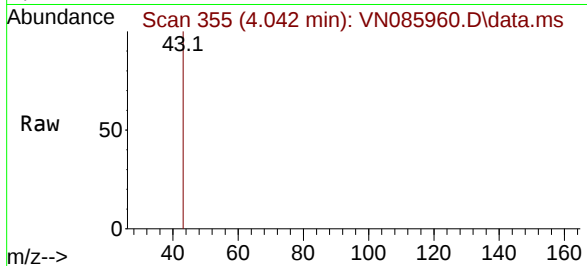




#16
Acetone
Concen: 491.444 ug/l
RT: 4.042 min Scan# 31
Delta R.T. -0.377 min
Lab File: VN085960.D
Acq: 12 Mar 2025 15:19

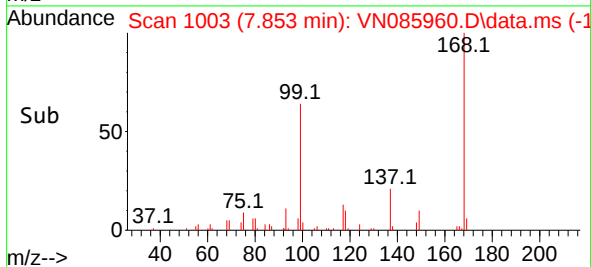
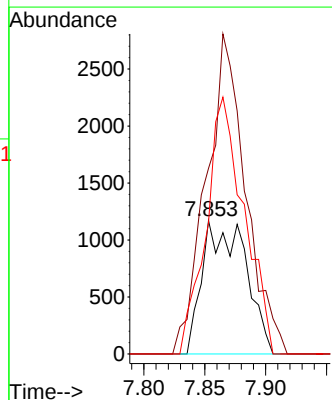
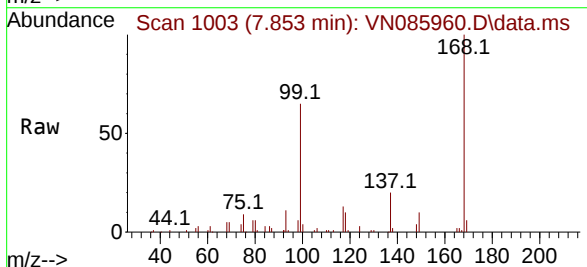
Instrument :
MSVOA_N
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22425

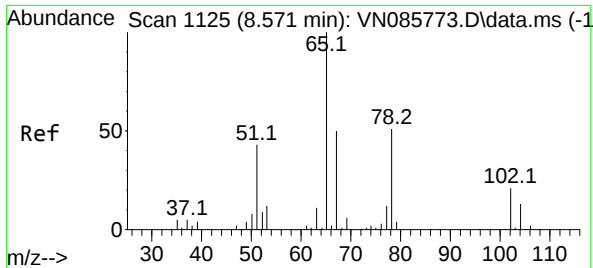
Tgt Ion: 43 Resp: 629
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



#31
Cyclohexane
Concen: 497.105 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. -0.400 min
Lab File: VN085960.D
Acq: 12 Mar 2025 15:19

Tgt Ion: 56 Resp: 2872
Ion Ratio Lower Upper
56 100
69 124.3 25.8 38.6#
84 98.3 74.5 111.7





#33

1,2-Dichloroethane-d4

Concen: 26086.955 ug/l

RT: 8.253 min Scan# 1107

Delta R.T. -0.318 min

Lab File: VN085960.D

Acq: 12 Mar 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

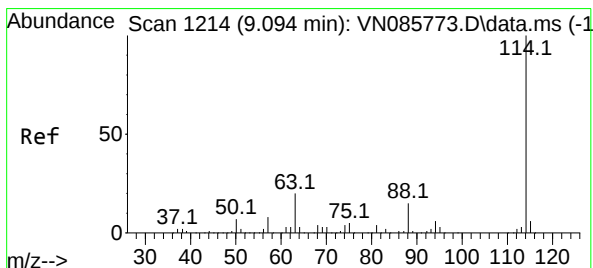
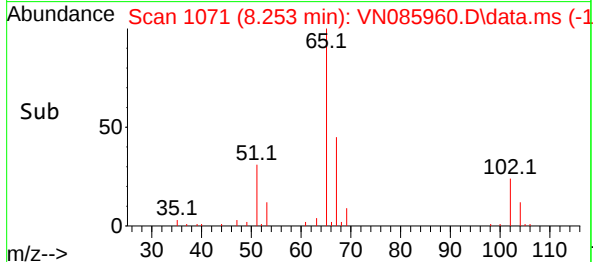
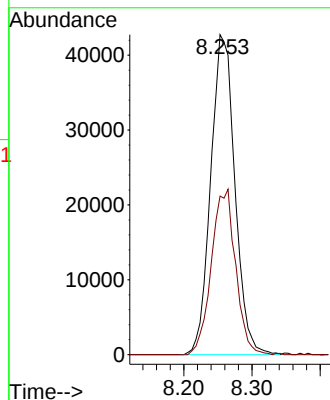
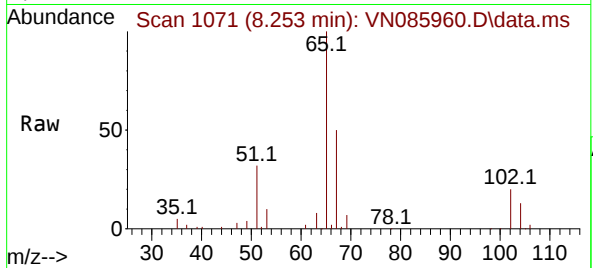
22425

Tgt Ion: 65 Resp: 105521

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.859 min Scan# 1174

Delta R.T. -0.235 min

Lab File: VN085960.D

Acq: 12 Mar 2025 15:19

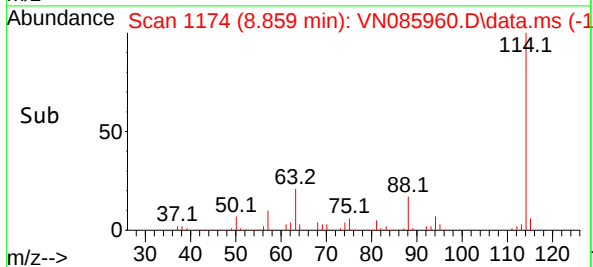
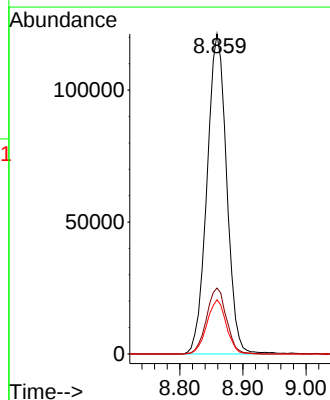
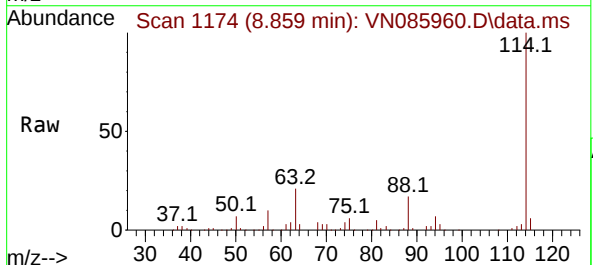
Tgt Ion: 114 Resp: 262368

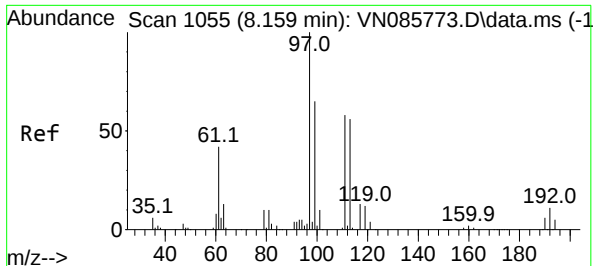
Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.2

88 17.0 0.0 30.0

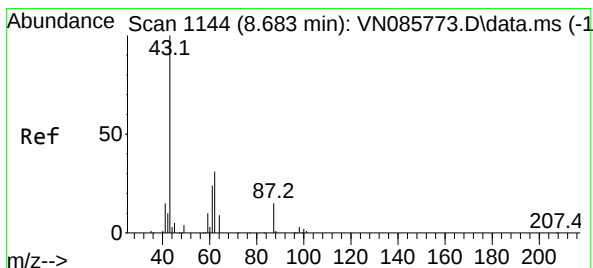
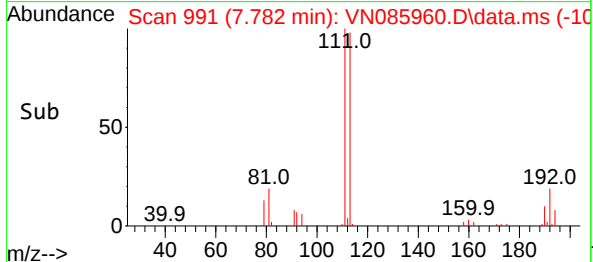
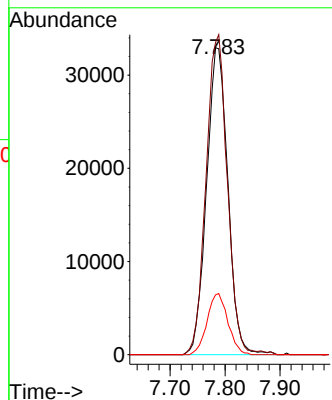
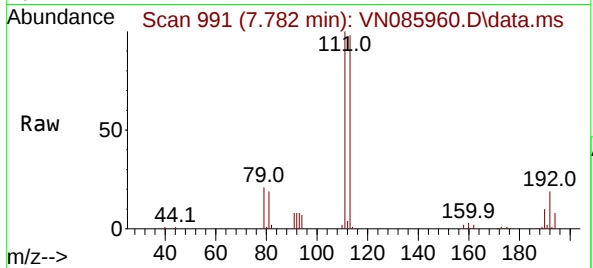




#35
Dibromofluoromethane
Concen: 51.802 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.377 min
Lab File: VN085960.D
Acq: 12 Mar 2025 15:19

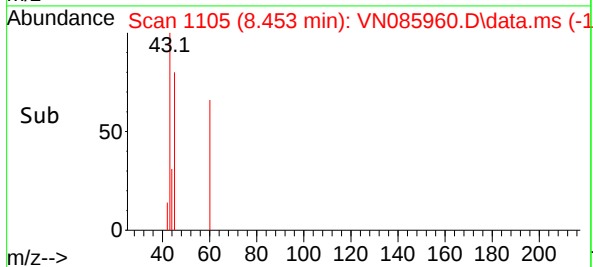
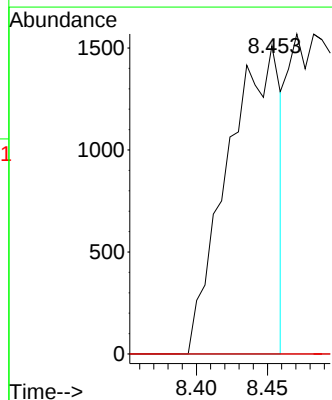
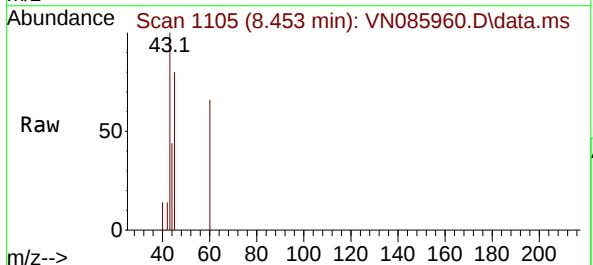
Instrument :
MSVOA_N
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22425

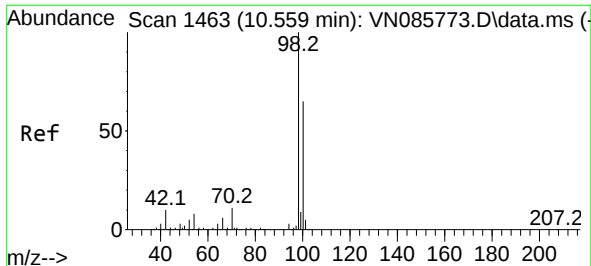
Tgt Ion:113 Resp: 88935
Ion Ratio Lower Upper
113 100
111 104.2 82.2 123.4
192 19.4 14.7 22.1



#43
Isopropyl Acetate
Concen: 0.564 ug/l
RT: 8.453 min Scan# 1105
Delta R.T. -0.230 min
Lab File: VN085960.D
Acq: 12 Mar 2025 15:19

Tgt Ion: 43 Resp: 3875
Ion Ratio Lower Upper
43 100
61 0.0 22.6 34.0#
87 0.0 11.8 17.8#

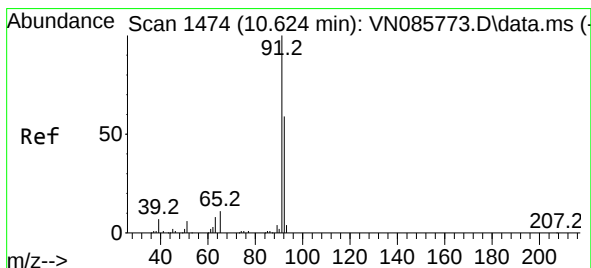
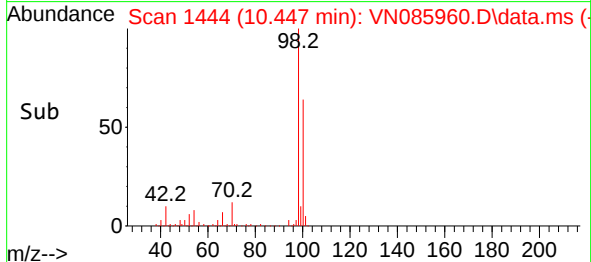
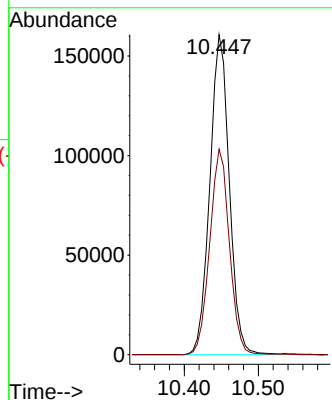
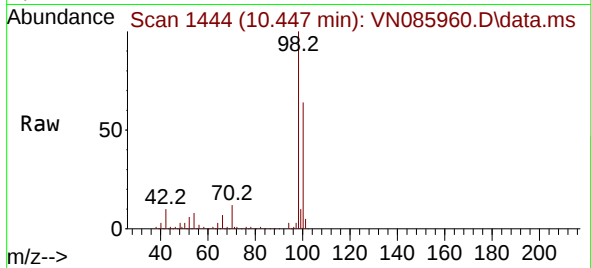




#50
Toluene-d8
Concen: 46.890 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.112 min
Lab File: VN085960.D
Acq: 12 Mar 2025 15:19

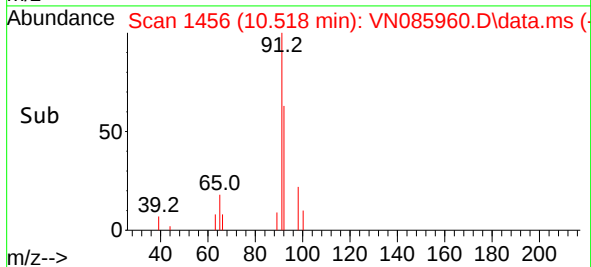
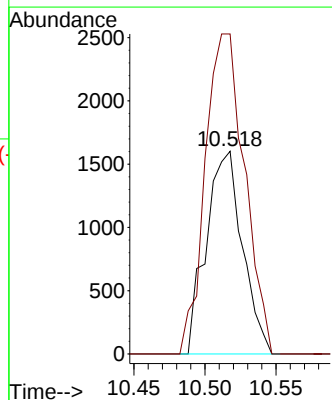
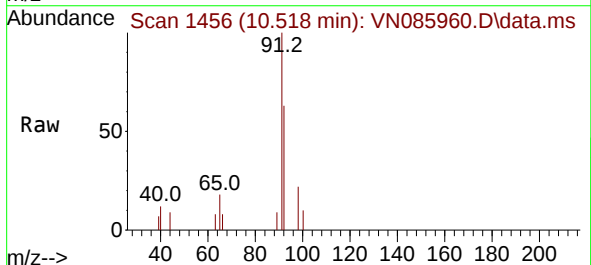
Instrument :
MSVOA_N
ClientSampleId :
22425

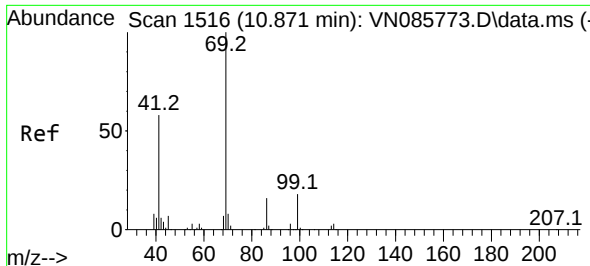
Tgt Ion: 98 Resp: 292887
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



#52
Toluene
Concen: 0.621 ug/l
RT: 10.518 min Scan# 1456
Delta R.T. -0.106 min
Lab File: VN085960.D
Acq: 12 Mar 2025 15:19

Tgt Ion: 92 Resp: 2837
Ion Ratio Lower Upper
92 100
91 172.0 136.9 205.3

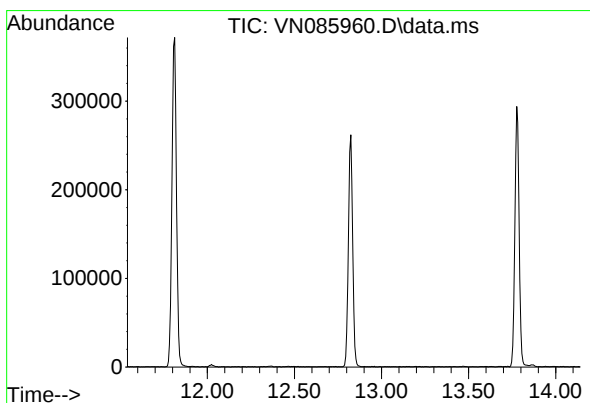
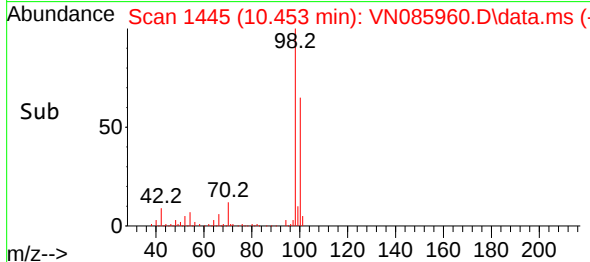
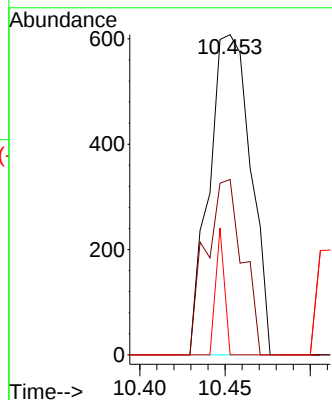
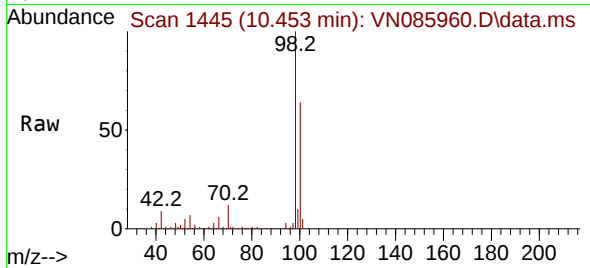




#56
Ethyl methacrylate
Concen: 0.901 ug/l
RT: 10.453 min Scan# 14
Delta R.T. -0.418 min
Lab File: VN085960.D
Acq: 12 Mar 2025 15:19

Instrument :
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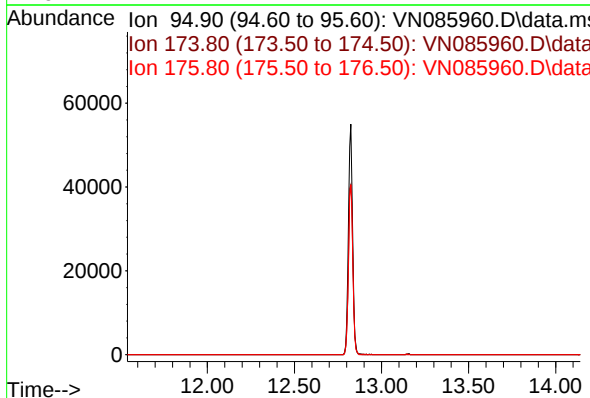
Tgt Ion: 69 Resp: 1032
Ion Ratio Lower Upper
69 100
41 48.2 46.0 69.0
39 8.2 22.0 33.0#

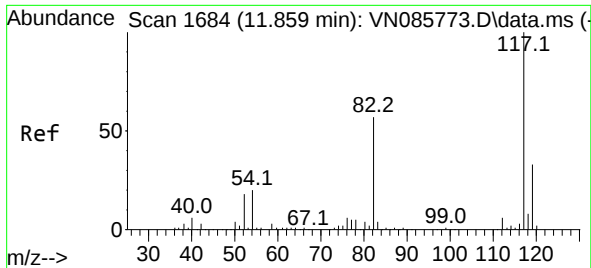


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.84 min

Lab File: VN085960.D
Acq: 12 Mar 2025 15:19

Tgt Ion: 95
Sig Exp Ratio
95 100
174 76.2
176 73.3





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.812 min Scan# 1

Delta R.T. -0.047 min

Lab File: VN085960.D

Acq: 12 Mar 2025 15:19

Instrument :

MSVOA_N

ClientSampleId :

22425

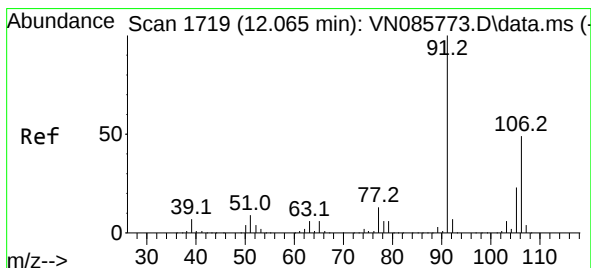
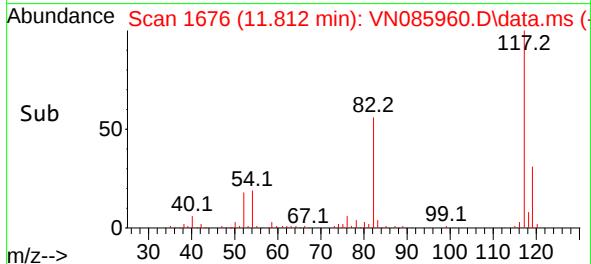
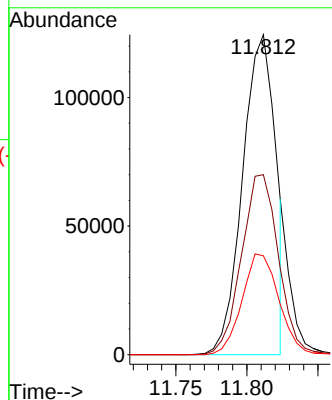
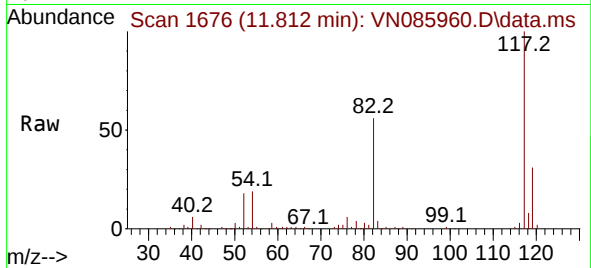
Tgt Ion:117 Resp: 201647

Ion Ratio Lower Upper

117 100

82 56.3 45.7 68.5

119 30.9 26.2 39.2



#68

m/p-Xylenes

Concen: 0.264 ug/l

RT: 12.023 min Scan# 1712

Delta R.T. -0.042 min

Lab File: VN085960.D

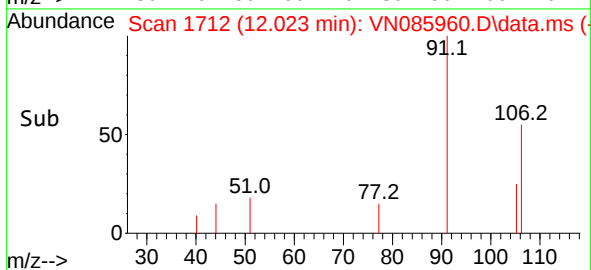
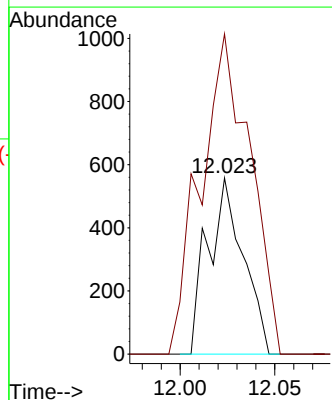
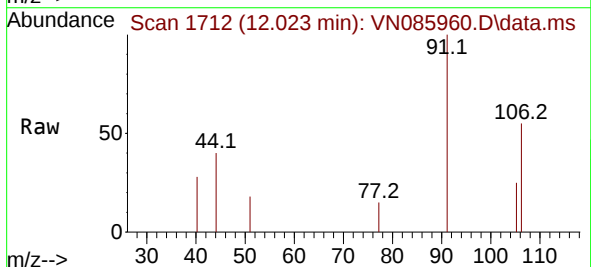
Acq: 12 Mar 2025 15:19

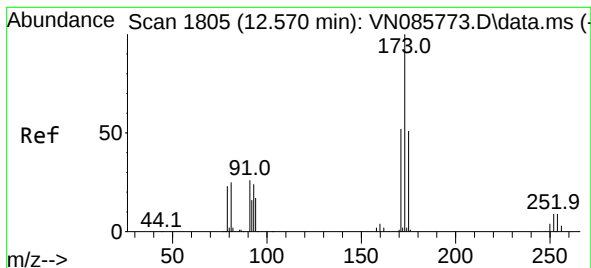
Tgt Ion:106 Resp: 727

Ion Ratio Lower Upper

106 100

91 254.6 163.3 244.9#





#71

Bromoform

Concen: 0.375 ug/l

RT: 12.829 min Scan# 11

Delta R.T. 0.259 min

Lab File: VN085960.D

Acq: 12 Mar 2025 15:19

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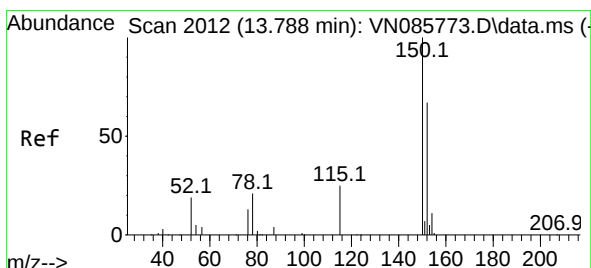
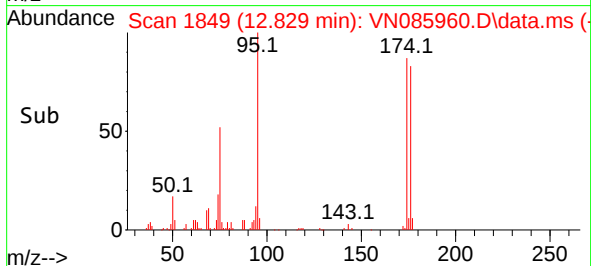
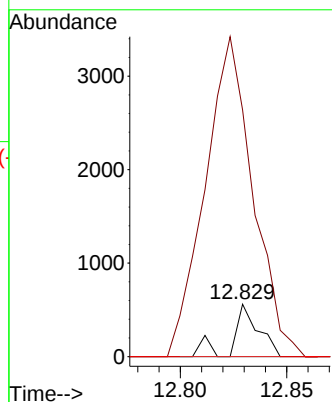
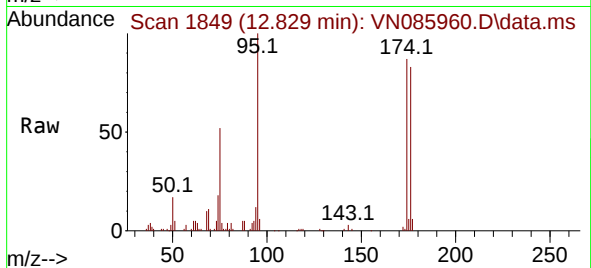
Tgt Ion:173 Resp: 463

Ion Ratio Lower Upper

173 100

175 1144.7 25.1 75.4#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.776 min Scan# 2010

Delta R.T. -0.012 min

Lab File: VN085960.D

Acq: 12 Mar 2025 15:19

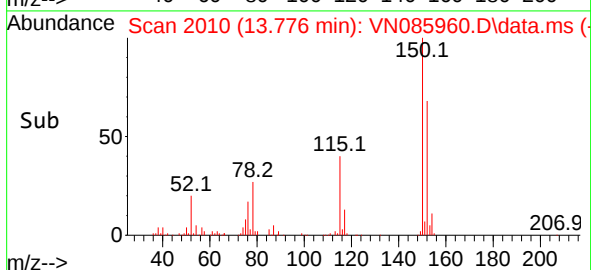
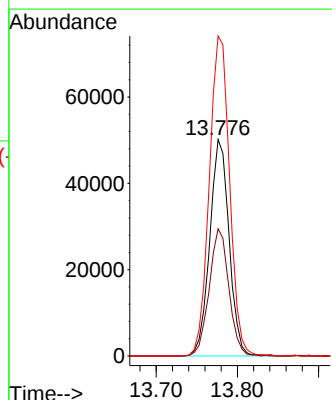
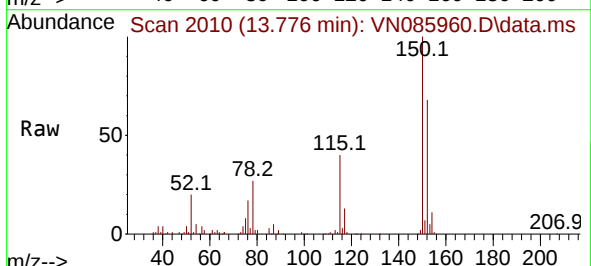
Tgt Ion:152 Resp: 82887

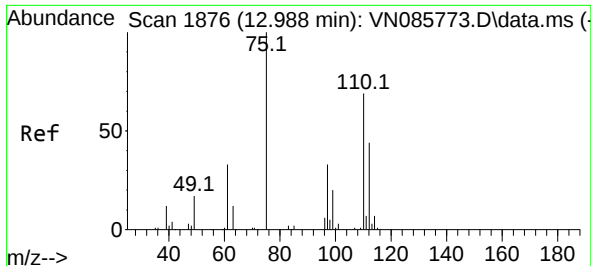
Ion Ratio Lower Upper

152 100

115 59.7 30.4 91.3

150 155.1 0.0 345.4

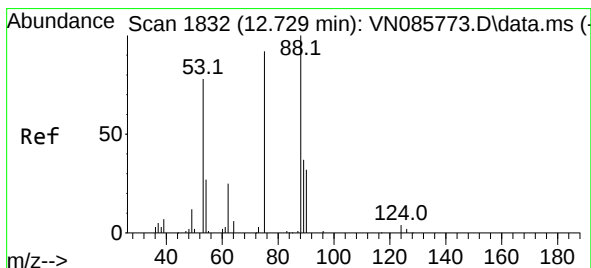
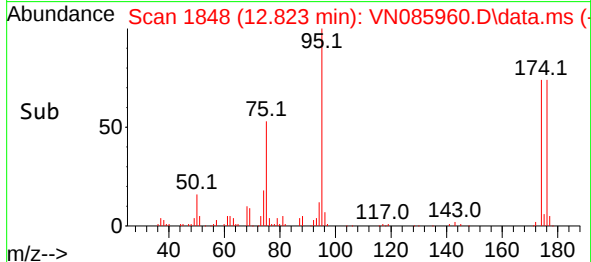
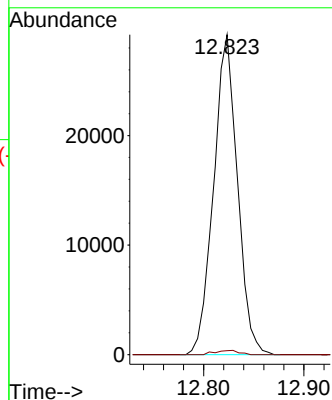
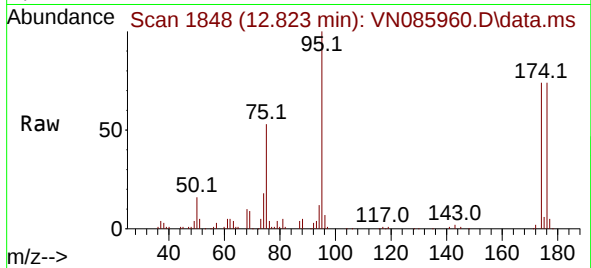




#76
1,2,3-Trichloropropane
Concen: 26.102 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.165 min
Lab File: VN085960.D
Acq: 12 Mar 2025 15:19

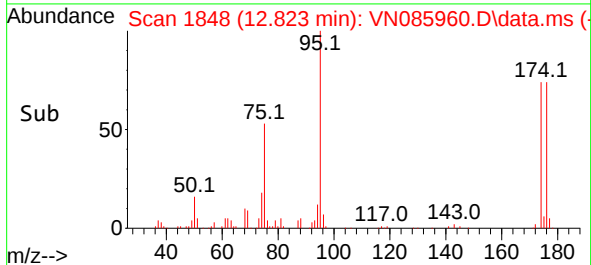
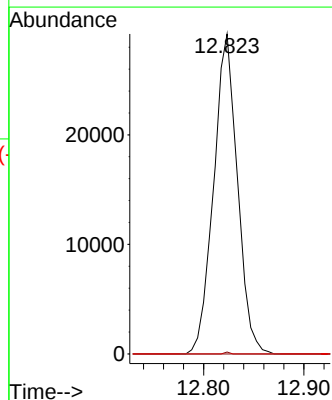
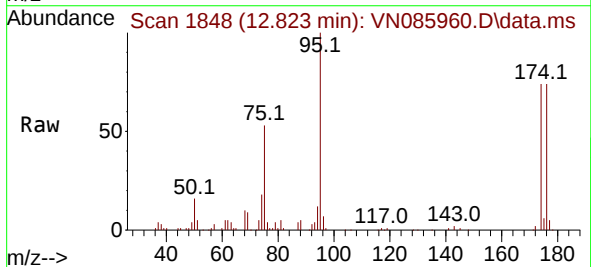
Instrument :
MSVOA_N
ClientSampleId :
22425

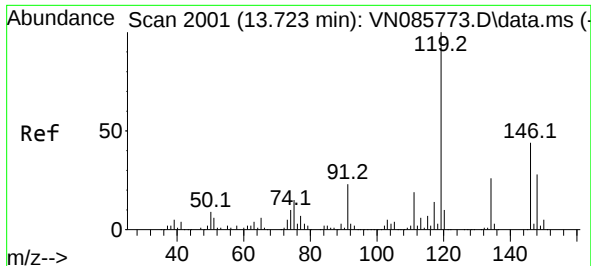
Tgt Ion: 75 Resp: 48059
Ion Ratio Lower Upper
75 100
77 1.3 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.159 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.094 min
Lab File: VN085960.D
Acq: 12 Mar 2025 15:19

Tgt Ion: 75 Resp: 48059
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.9 52.3#

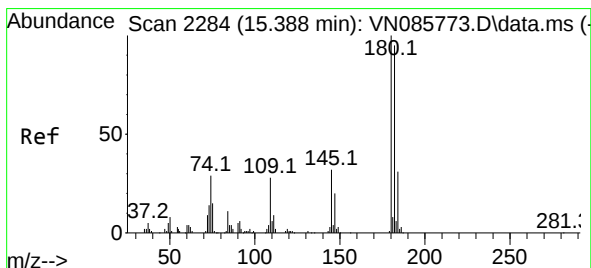
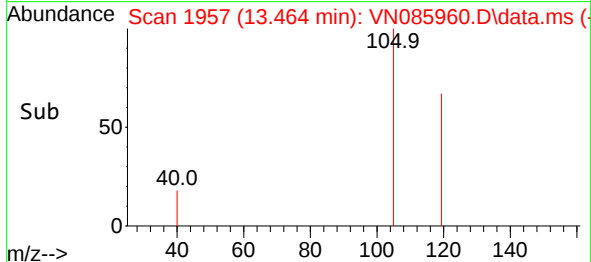
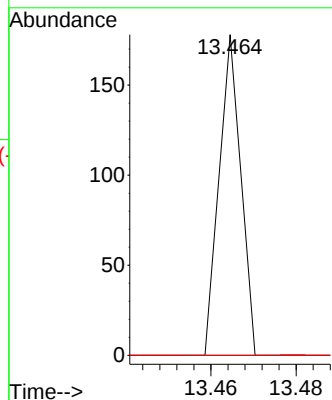
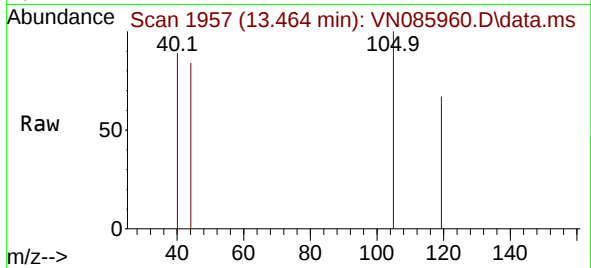




#86
 p-Isopropyltoluene
 Concen: 0.639 ug/l
 RT: 13.464 min Scan# 1957
 Delta R.T. -0.259 min
 Lab File: VN085960.D
 Acq: 12 Mar 2025 15:19

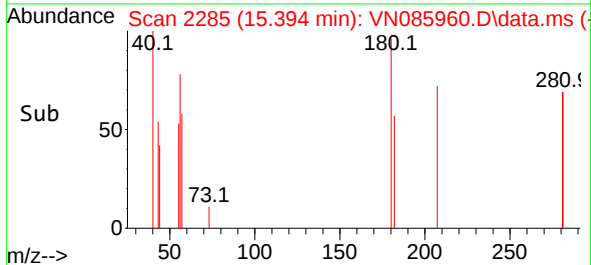
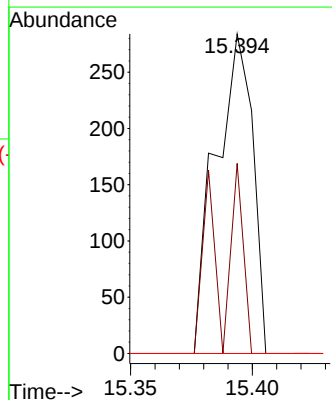
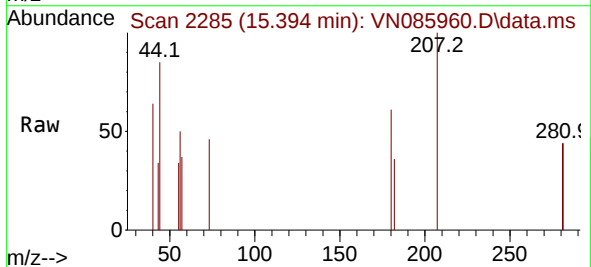
Instrument :
 MSVOA_N
 ClientSampleId :
 22425

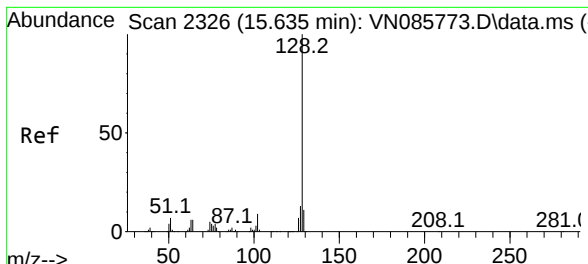
Tgt Ion:119 Resp: 63
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.0 39.0#
 91 0.0 11.7 35.1#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.229 ug/l
 RT: 15.394 min Scan# 2285
 Delta R.T. 0.006 min
 Lab File: VN085960.D
 Acq: 12 Mar 2025 15:19

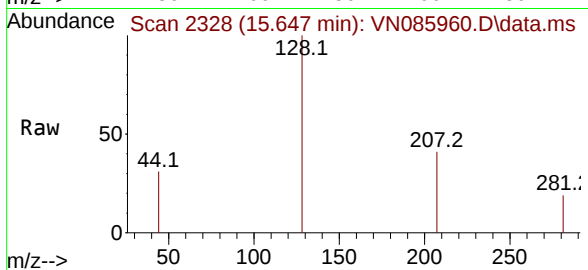
Tgt Ion:180 Resp: 301
 Ion Ratio Lower Upper
 180 100
 182 38.9 47.3 141.9#
 145 0.0 16.2 48.5#





#95
 Naphthalene
 Concen: 0.473 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN085960.D
 Acq: 12 Mar 2025 15:19

Instrument :
 MSVOA_N
 ClientSampleId :
 22425



Tgt Ion:	128	Resp:	1710
Ion	Ratio	Lower	Upper
128	100		
127	6.7	10.2	15.2#
129	0.0	8.7	13.1#

