

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
 Data File : VN086294.D
 Acq On : 16 Apr 2025 14:02
 Operator : JC\MD
 Sample : Q1812-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RINSE-EB-PUMP-041525

Quant Time: Apr 17 03:07:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

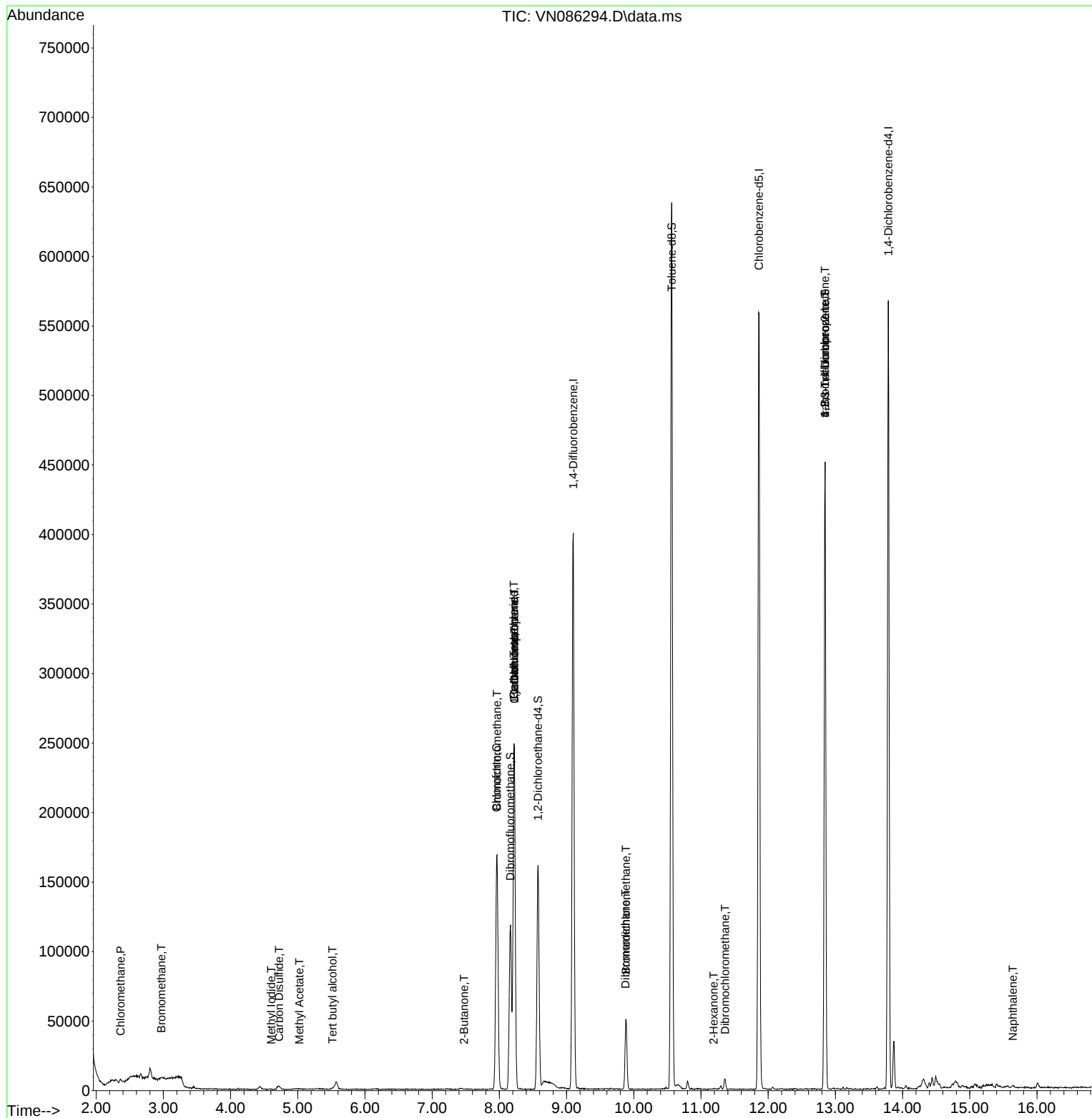
Internal Standards						
1) Pentafluorobenzene	8.218	168	180932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	354597	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	332731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	151028	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132021	50.319	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.640%			
35) Dibromofluoromethane	8.165	113	88424	53.729	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.460%			
50) Toluene-d8	10.565	98	448820	51.028	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.060%			
62) 4-Bromofluorobenzene	12.847	95	167466	52.201	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.400%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1890	0.606	ug/l #	85
5) Bromomethane	2.971	94	786	0.587	ug/l #	45
10) Methyl Iodide	4.606	142	479	0.219	ug/l #	42
11) Tert butyl alcohol	5.518	59	979	2.045	ug/l #	72
13) Acrolein	4.165	56	272	Below Cal	#	40
16) Acetone	4.442	43	4716	Below Cal		97
17) Carbon Disulfide	4.724	76	2392	0.375	ug/l #	74
18) Methyl Acetate	5.024	43	1350	0.429	ug/l #	51
25) 2-Butanone	7.477	43	640	0.392	ug/l #	48
28) Bromochloromethane	7.965	49	13575	7.368	ug/l #	16
30) Chloroform	7.959	83	168726	39.529	ug/l	97
31) Cyclohexane	8.224	56	4412	1.038	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	16266	4.948	ug/l #	49
38) Carbon Tetrachloride	8.218	117	19187	6.129	ug/l #	16
43) Isopropyl Acetate	8.671	43	6227	Below Cal	#	55
46) Dibromomethane	9.877	93	957	0.583	ug/l #	7
47) Bromodichloromethane	9.882	83	36894	10.400	ug/l	93
59) 2-Hexanone	11.188	43	950	0.361	ug/l #	23
60) Dibromochloromethane	11.359	129	4725	1.820	ug/l	97
76) 1,2,3-Trichloropropane	12.847	75	84782	23.788	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	84782	57.130	ug/l #	10
95) Naphthalene	15.641	128	1765	0.208	ug/l #	75

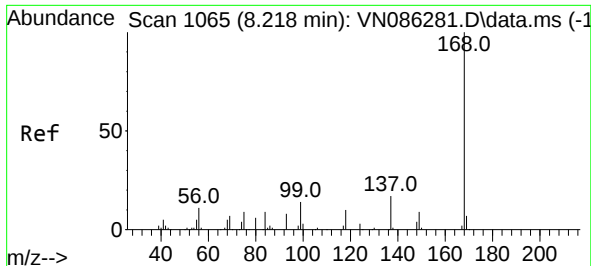
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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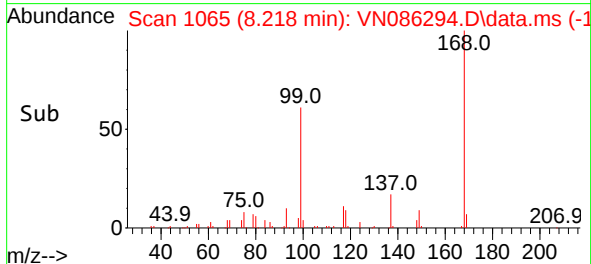
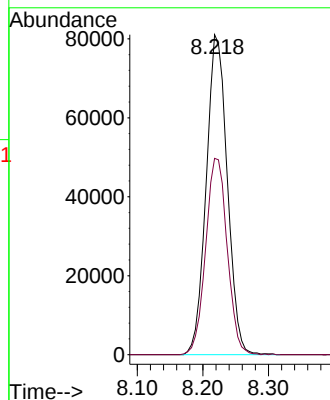
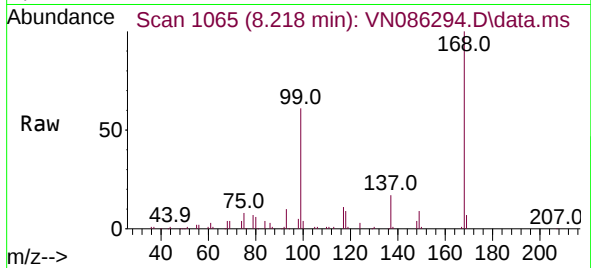




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

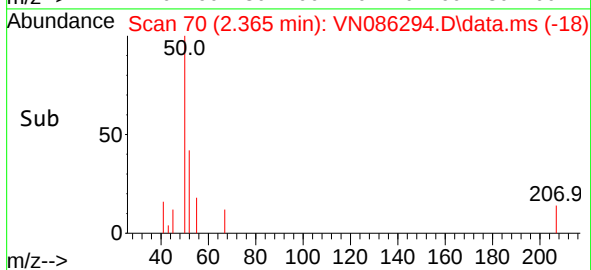
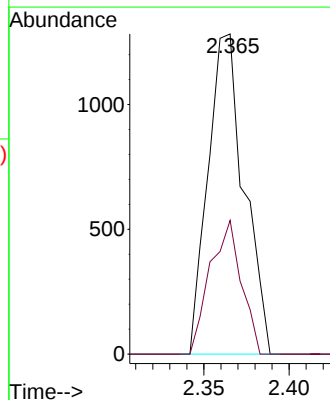
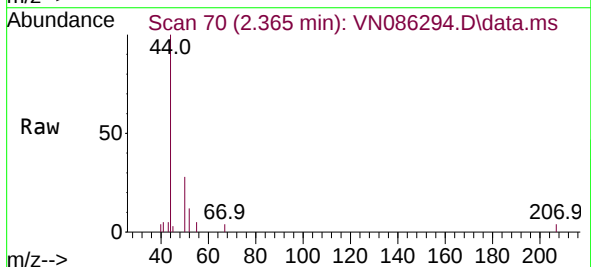
Instrument :
MSVOA_N
ClientSampleId :
RINSE-EB-PUMP-041525

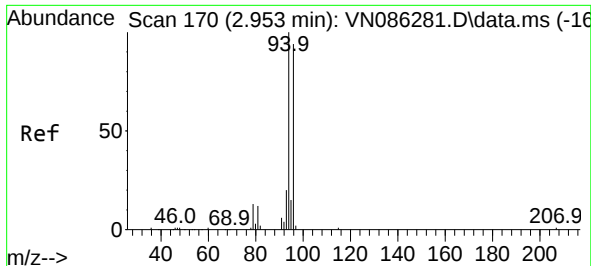
Tgt Ion:168 Resp: 180932
Ion Ratio Lower Upper
168 100
99 61.4 52.5 78.7



#3
Chloromethane
Concen: 0.606 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

Tgt Ion: 50 Resp: 1890
Ion Ratio Lower Upper
50 100
52 41.8 26.5 39.7#

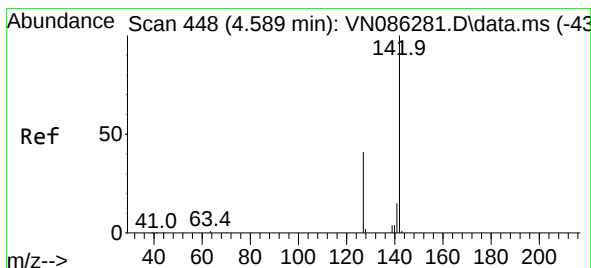
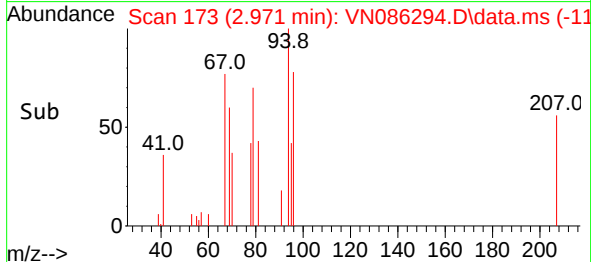
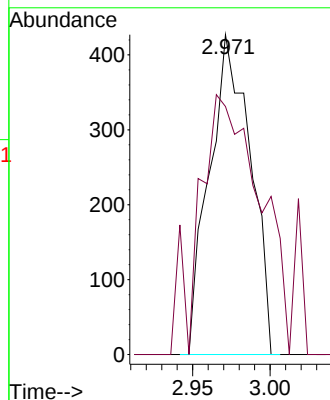
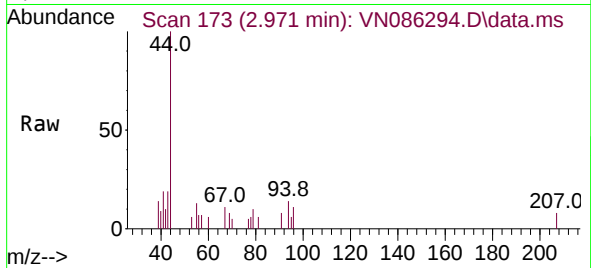




#5
Bromomethane
Concen: 0.587 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

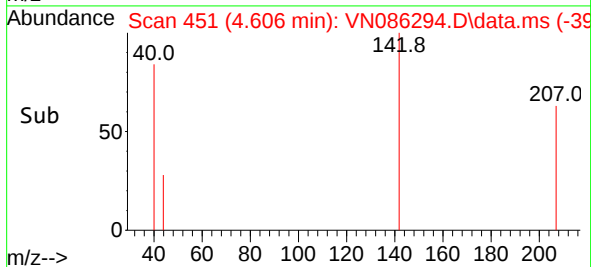
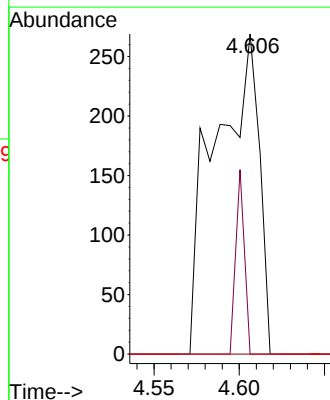
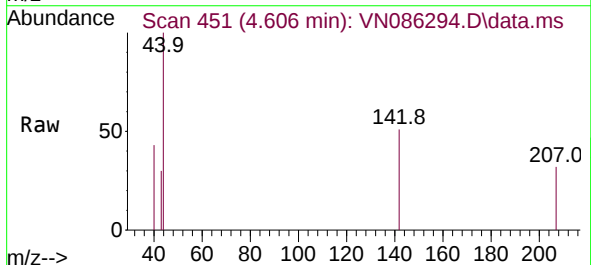
Instrument :
MSVOA_N
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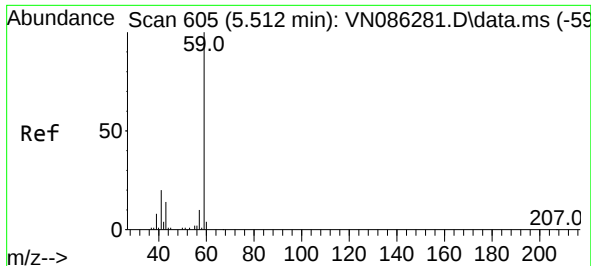
Tgt Ion: 94 Resp: 786
Ion Ratio Lower Upper
94 100
96 41.2 75.2 112.8#



#10
Methyl Iodide
Concen: 0.219 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.018 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

Tgt Ion: 142 Resp: 479
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 2.045 ug/l

RT: 5.518 min Scan# 605

Delta R.T. 0.006 min

Lab File: VN086294.D

Acq: 16 Apr 2025 14:02

Instrument :

MSVOA_N

ClientSampleId :

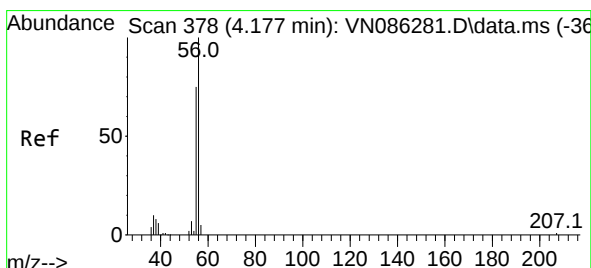
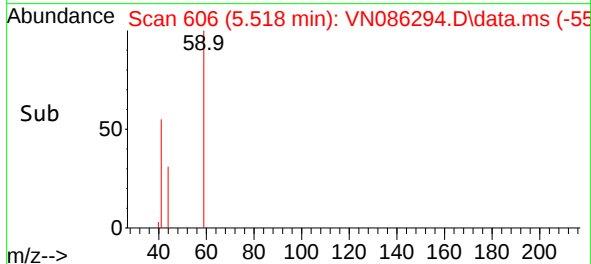
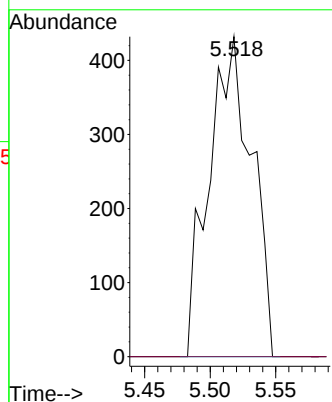
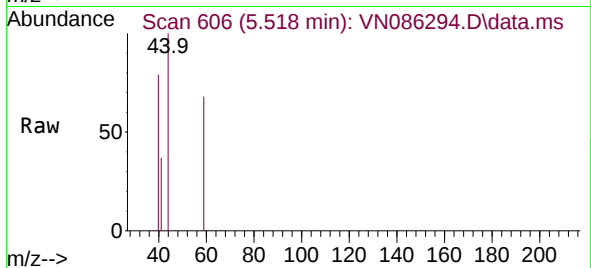
RINSE-EB-PUMP-041525

Tgt Ion: 59 Resp: 979

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: Below Cal

RT: 4.165 min Scan# 376

Delta R.T. -0.012 min

Lab File: VN086294.D

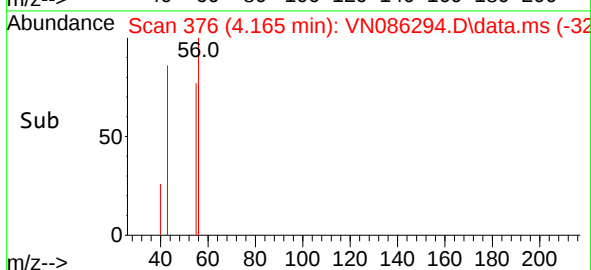
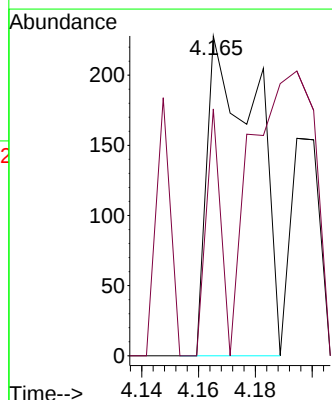
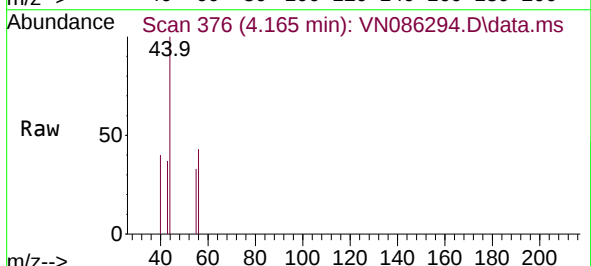
Acq: 16 Apr 2025 14:02

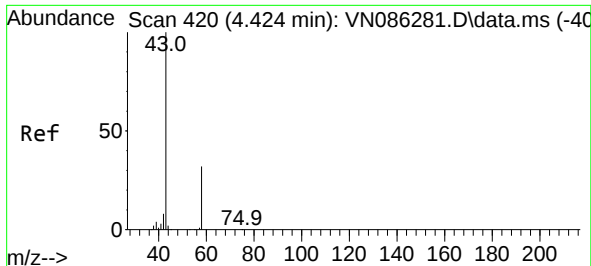
Tgt Ion: 56 Resp: 272

Ion Ratio Lower Upper

56 100

55 22.8 58.5 87.7#

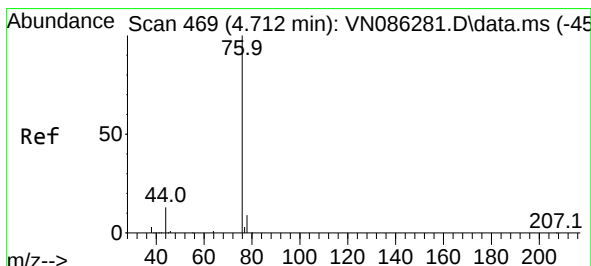
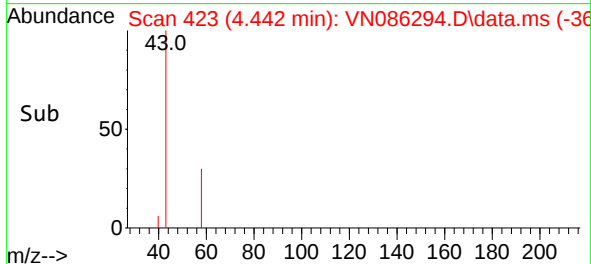
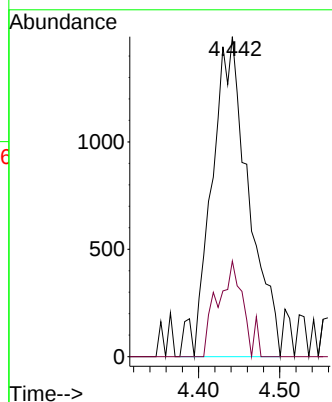
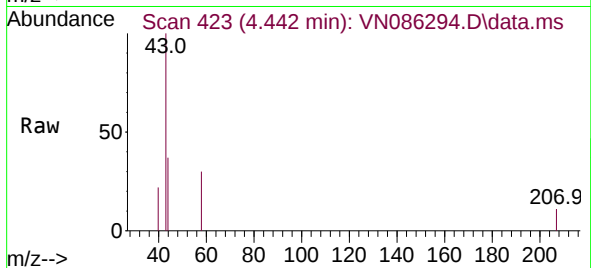




#16
Acetone
Concen: Below Cal
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

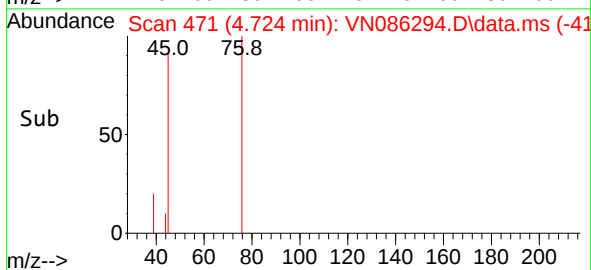
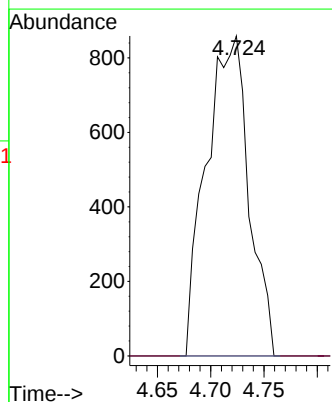
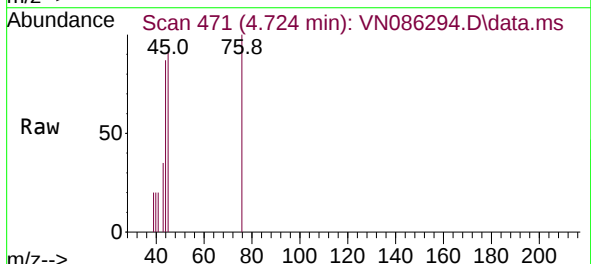
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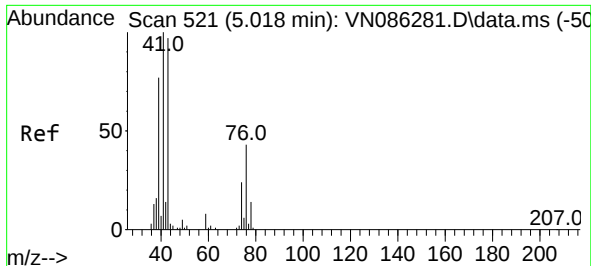
Tgt Ion: 43 Resp: 4716
Ion Ratio Lower Upper
43 100
58 29.9 25.3 37.9



#17
Carbon Disulfide
Concen: 0.375 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.012 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

Tgt Ion: 76 Resp: 2392
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#

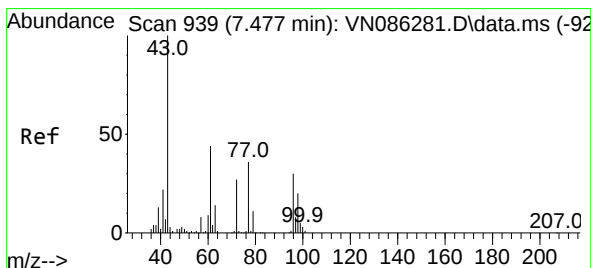
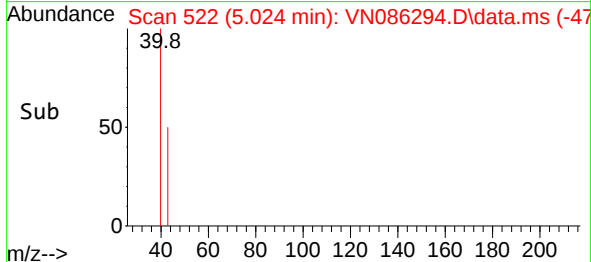
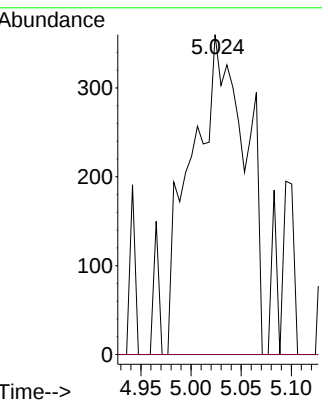
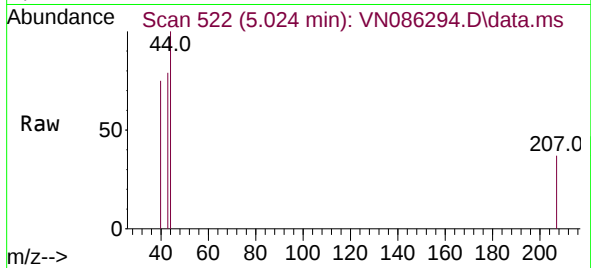




#18
Methyl Acetate
Concen: 0.429 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

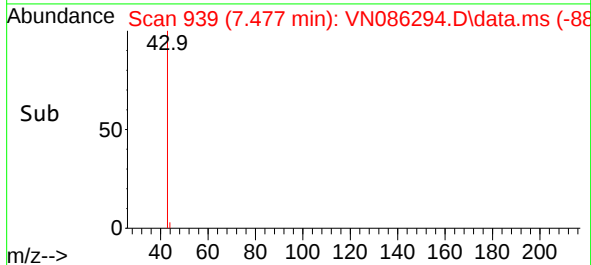
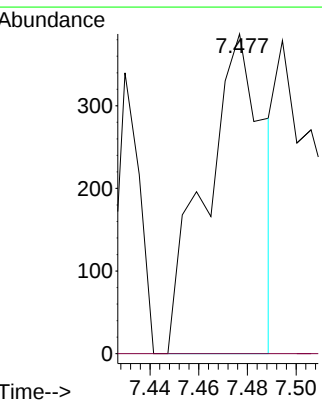
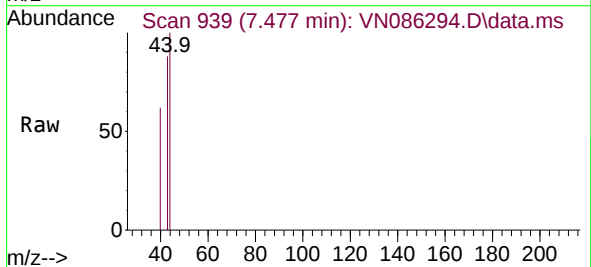
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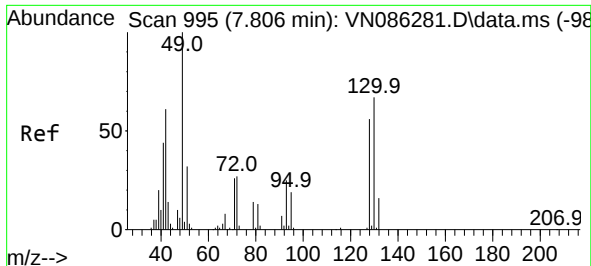
Tgt Ion: 43 Resp: 1350
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#



#25
2-Butanone
Concen: 0.392 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.000 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#

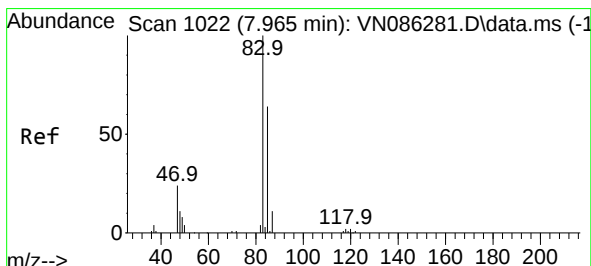
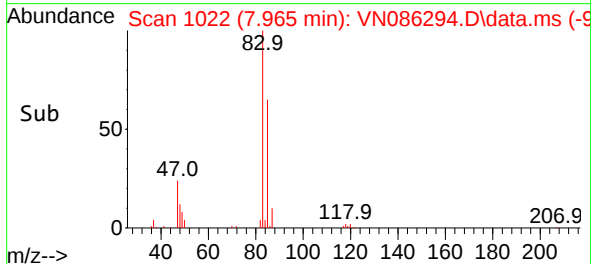
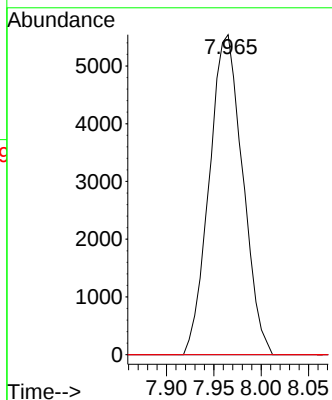
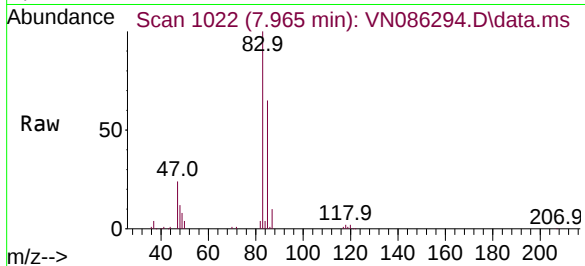




#28
Bromochloromethane
Concen: 7.368 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.159 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

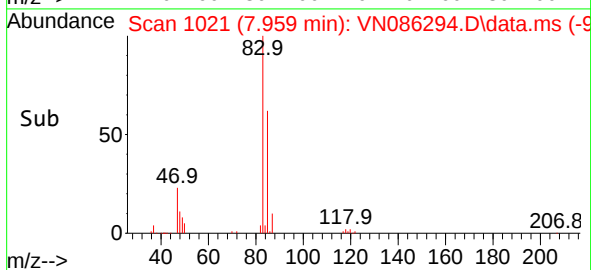
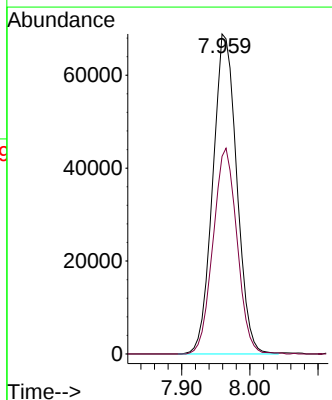
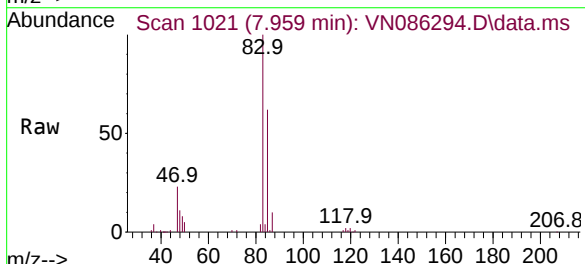
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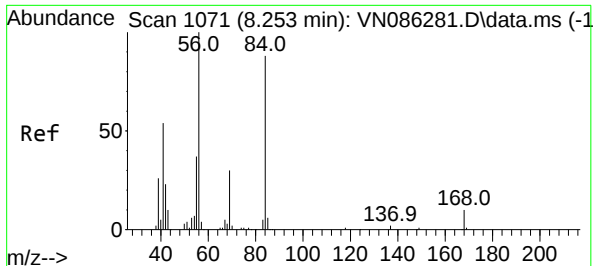
Tgt Ion: 49 Resp: 13575
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.4
130 0.0 57.1 85.7#



#30
Chloroform
Concen: 39.529 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

Tgt Ion: 83 Resp: 168726
Ion Ratio Lower Upper
83 100
85 61.7 51.5 77.3

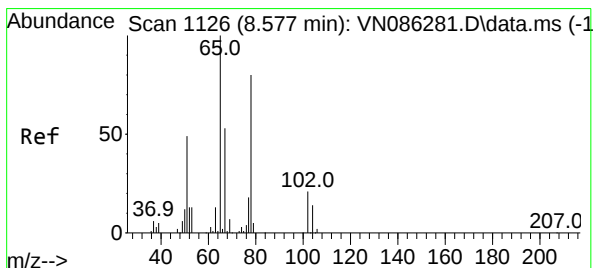
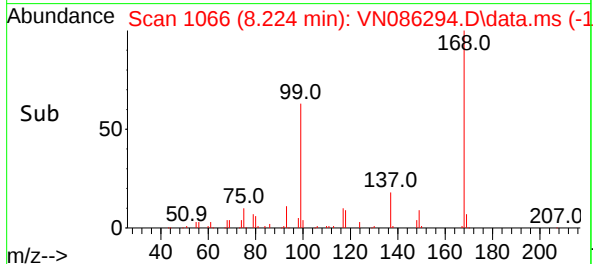
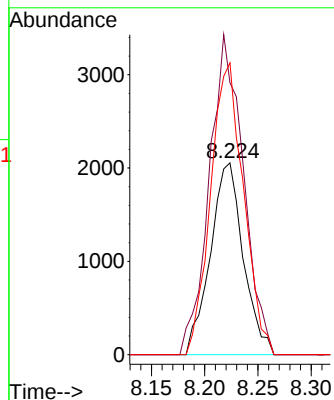
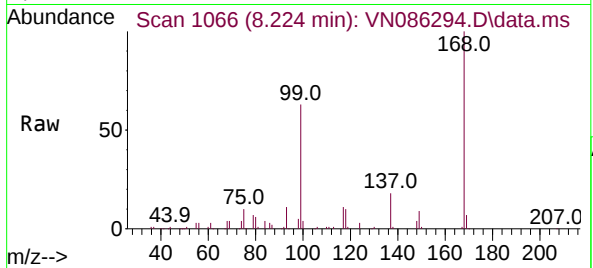




#31
Cyclohexane
Concen: 1.038 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

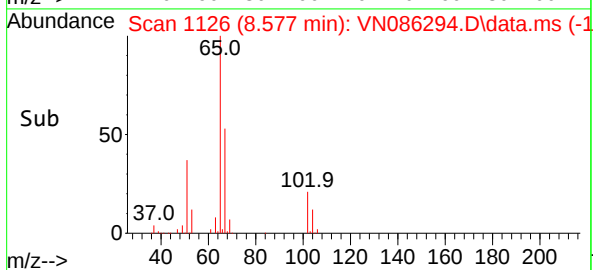
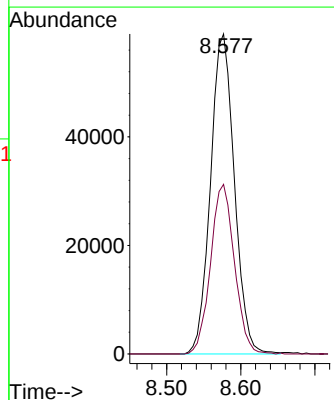
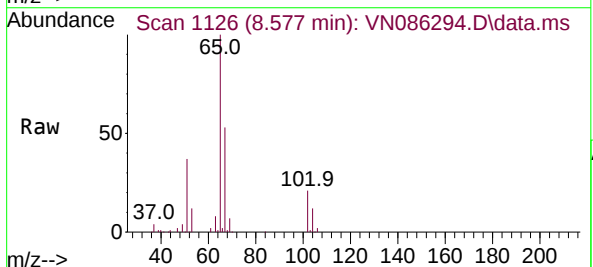
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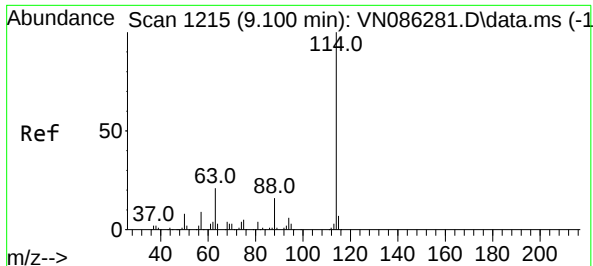
Tgt Ion: 56 Resp: 4412
Ion Ratio Lower Upper
56 100
69 141.8 24.2 36.2#
84 152.2 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 50.319 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

Tgt Ion: 65 Resp: 132021
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.0

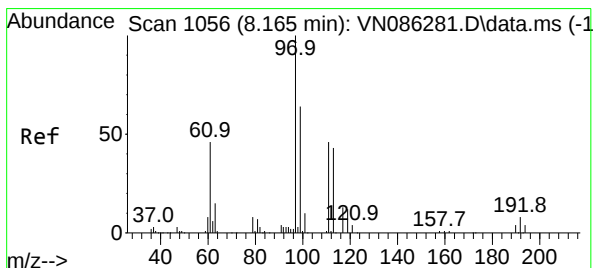
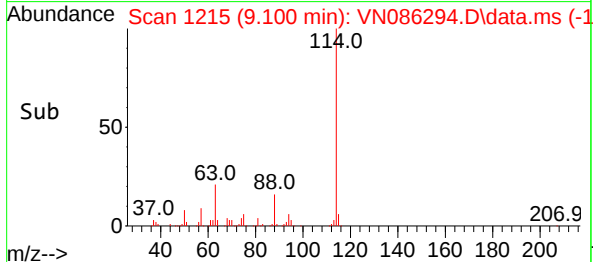
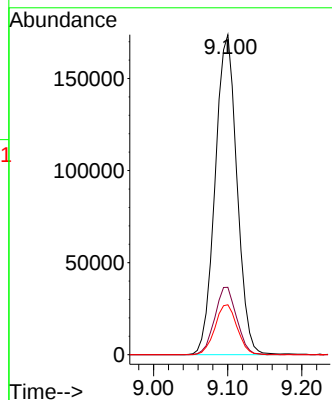
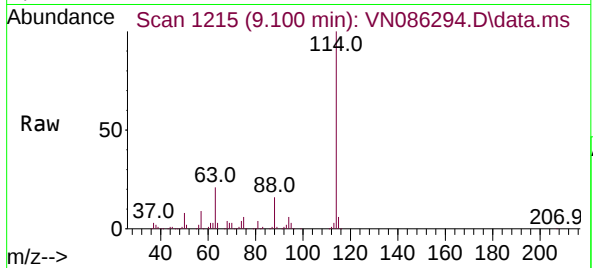




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

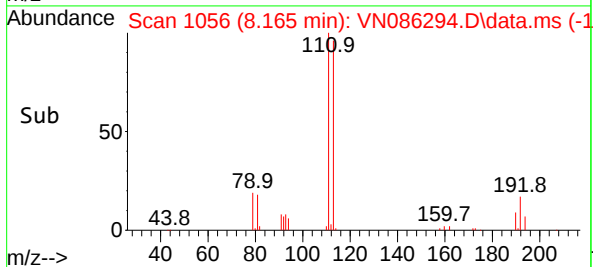
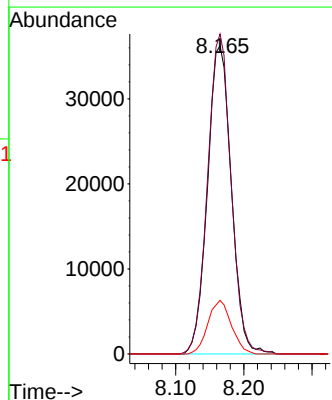
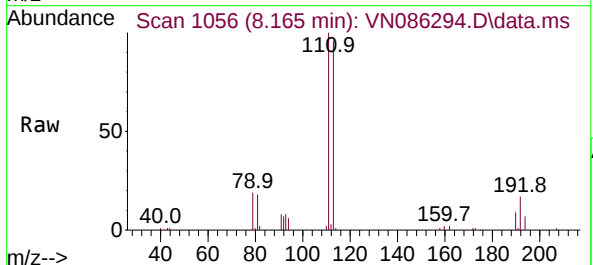
Instrument :
MSVOA_N
ClientSampleId :
RINSE-EB-PUMP-041525

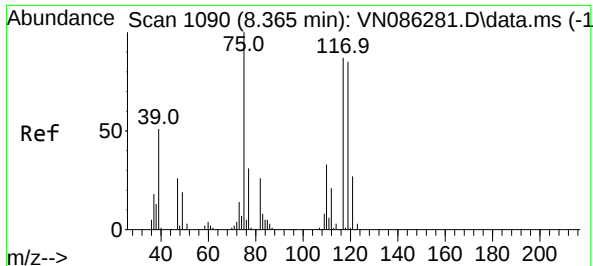
Tgt Ion:114 Resp: 354597
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.6
88 15.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 53.729 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

Tgt Ion:113 Resp: 88424
Ion Ratio Lower Upper
113 100
111 101.9 83.4 125.0
192 17.1 13.7 20.5

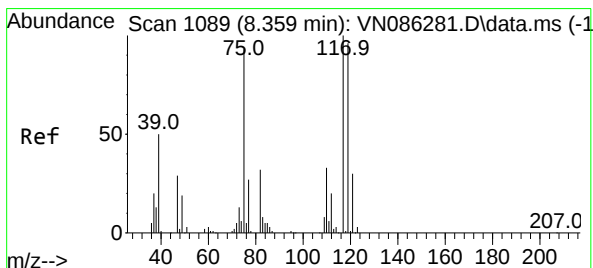
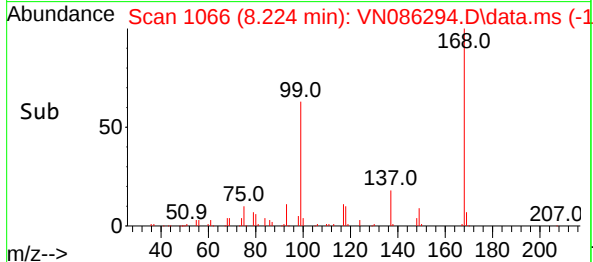
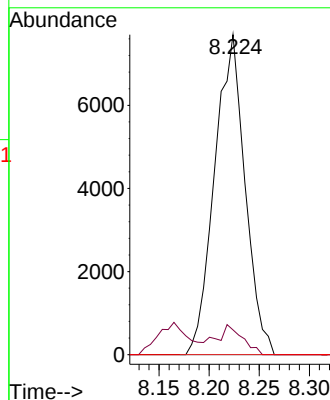
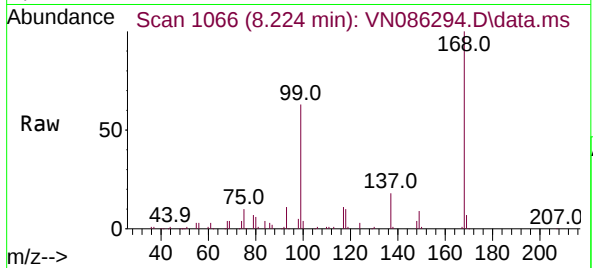




#36
 1,1-Dichloropropene
 Concen: 4.948 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.141 min
 Lab File: VN086294.D
 Acq: 16 Apr 2025 14:02

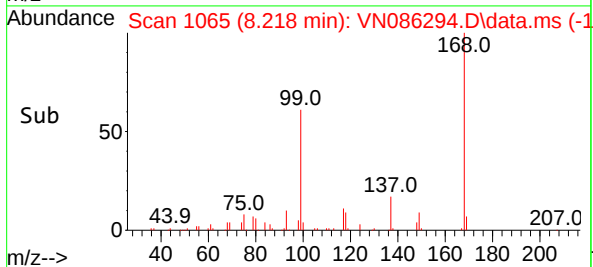
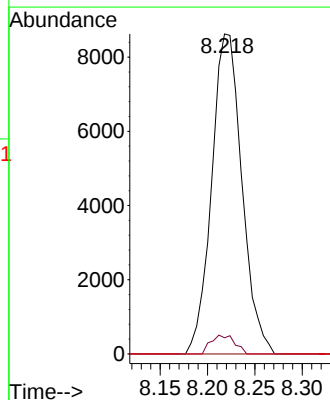
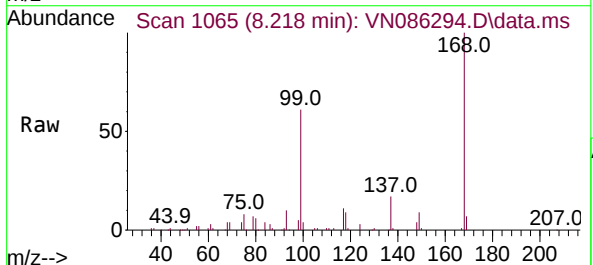
Instrument :
 MSVOA_N
 ClientSampleId :
 RINSE-EB-PUMP-041525

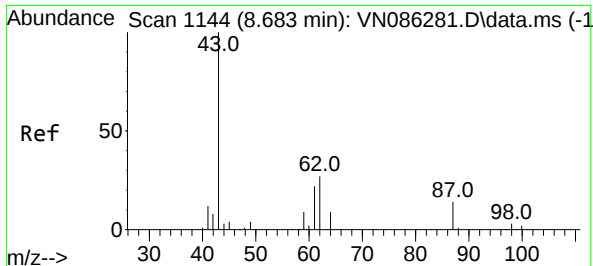
Tgt Ion: 75 Resp: 16266
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.8 50.4#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.129 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.141 min
 Lab File: VN086294.D
 Acq: 16 Apr 2025 14:02

Tgt Ion: 117 Resp: 19187
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.8 115.2#
 121 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.671 min Scan# 1144

Delta R.T. -0.012 min

Lab File: VN086294.D

Acq: 16 Apr 2025 14:02

Instrument :

MSVOA_N

ClientSampleId :

RINSE-EB-PUMP-041525

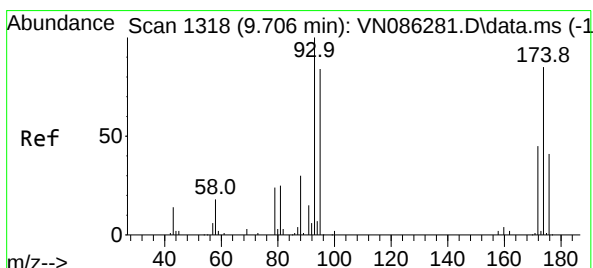
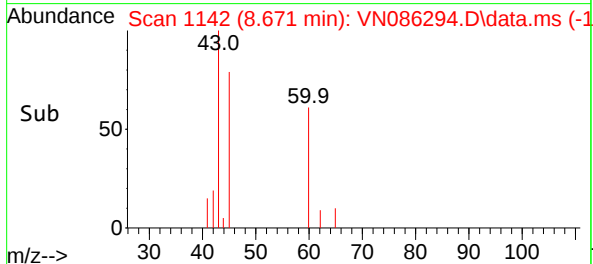
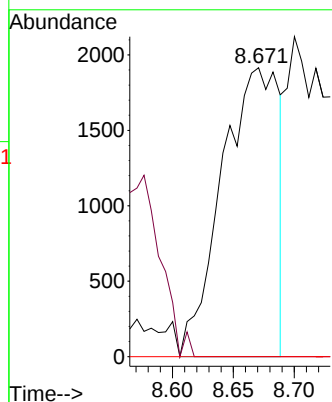
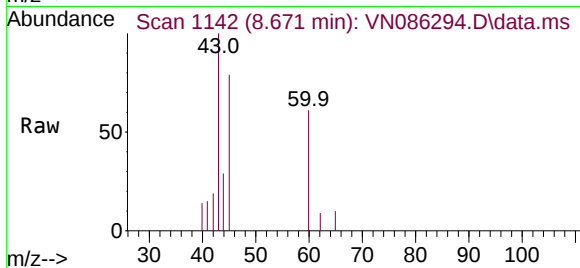
Tgt Ion: 43 Resp: 6227

Ion Ratio Lower Upper

43 100

61 0.0 20.5 30.7#

87 0.0 10.5 15.7#



#46

Dibromomethane

Concen: 0.583 ug/l

RT: 9.877 min Scan# 1347

Delta R.T. 0.171 min

Lab File: VN086294.D

Acq: 16 Apr 2025 14:02

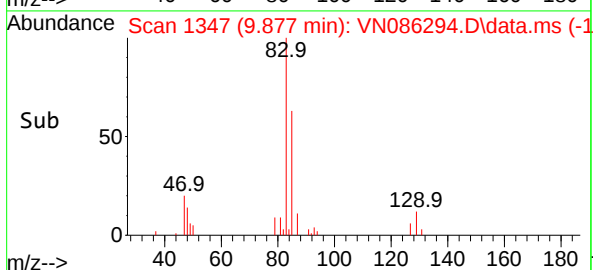
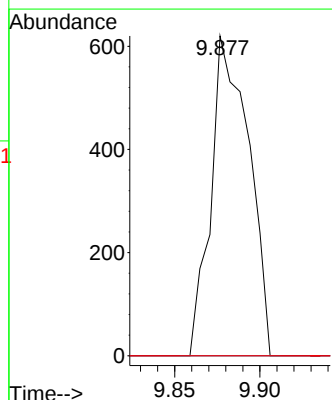
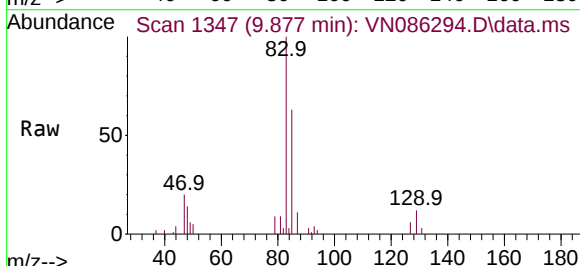
Tgt Ion: 93 Resp: 957

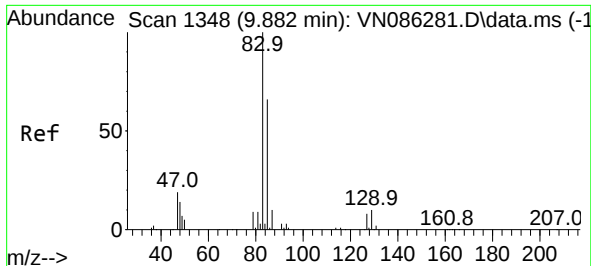
Ion Ratio Lower Upper

93 100

95 0.0 66.2 99.4#

174 0.0 67.8 101.6#

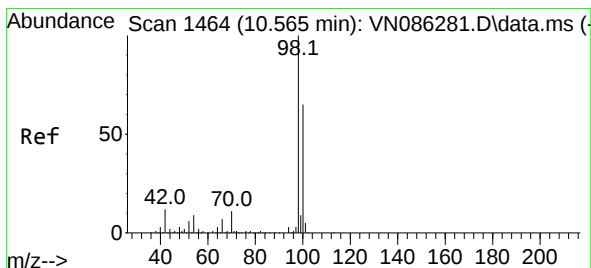
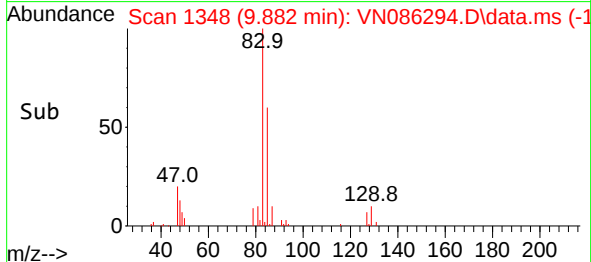
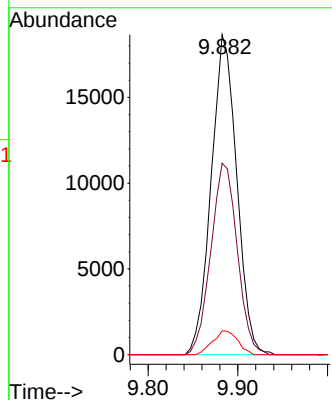
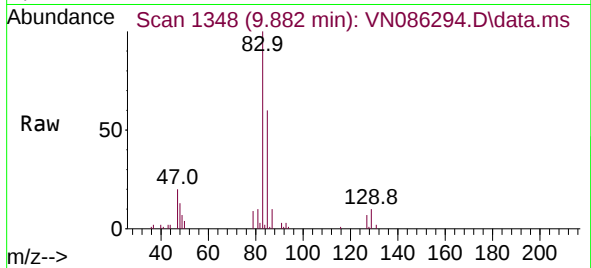




#47
Bromodichloromethane
Concen: 10.400 ug/l
RT: 9.882 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

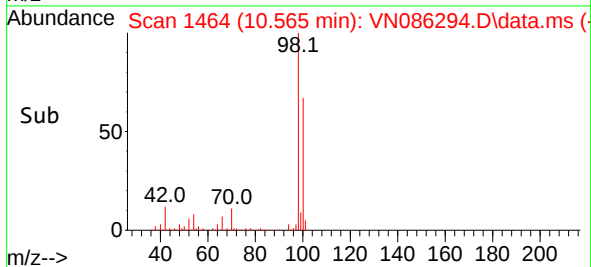
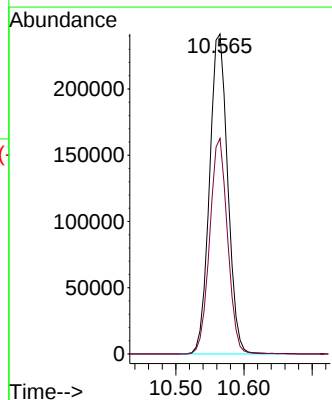
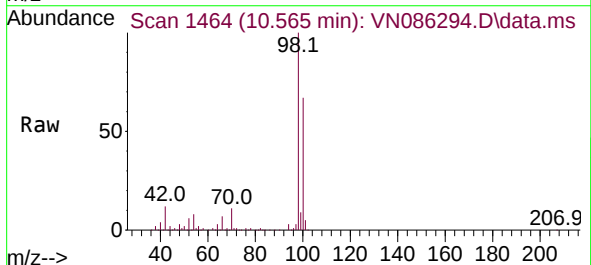
Instrument :
MSVOA_N
ClientSampleId :
RINSE-EB-PUMP-041525

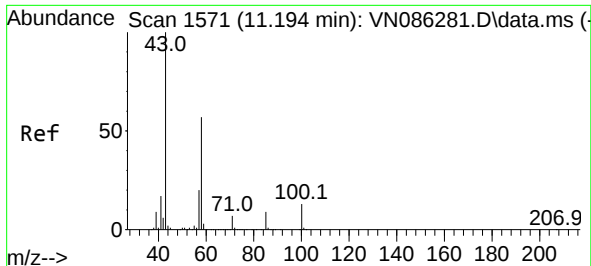
Tgt Ion: 83 Resp: 36894
Ion Ratio Lower Upper
83 100
85 59.9 52.6 78.8
127 7.4 6.1 9.1



#50
Toluene-d8
Concen: 51.028 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

Tgt Ion: 98 Resp: 448820
Ion Ratio Lower Upper
98 100
100 65.9 52.5 78.7

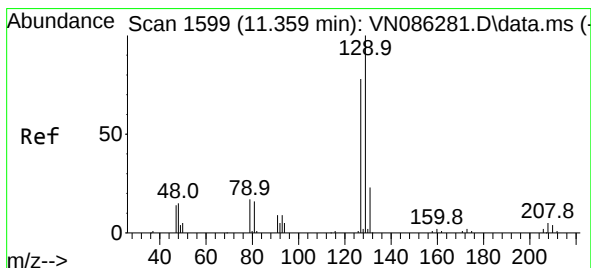
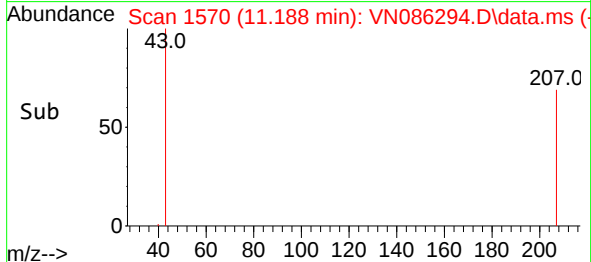
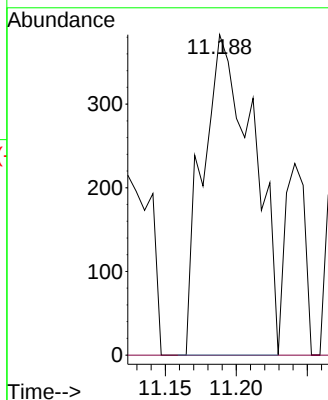
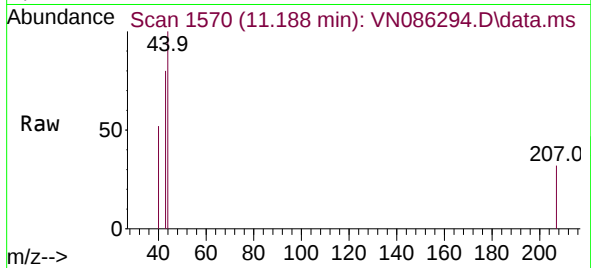




#59
2-Hexanone
Concen: 0.361 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. -0.006 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

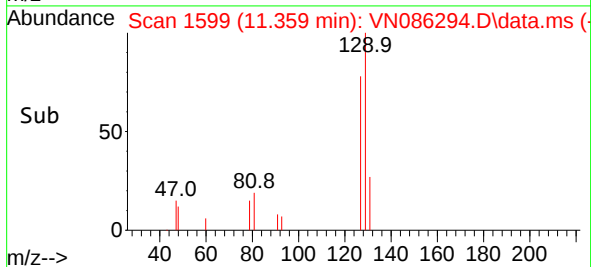
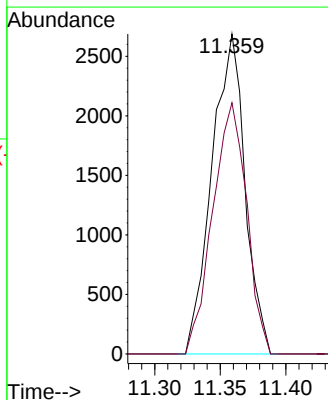
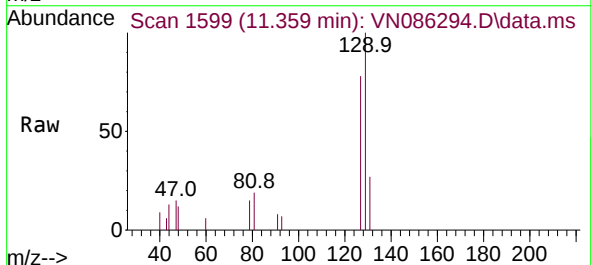
Instrument :
MSVOA_N
ClientSampleId :
RINSE-EB-PUMP-041525

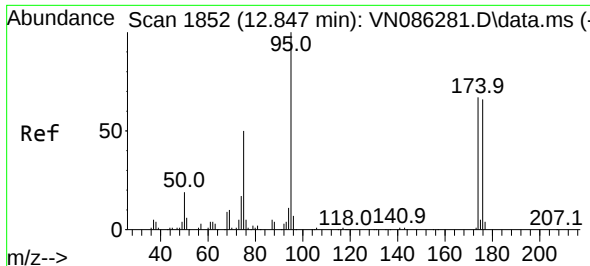
Tgt Ion: 43 Resp: 950
Ion Ratio Lower Upper
43 100
58 0.0 28.3 85.0#



#60
Dibromochloromethane
Concen: 1.820 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

Tgt Ion: 129 Resp: 4725
Ion Ratio Lower Upper
129 100
127 80.3 38.7 116.1

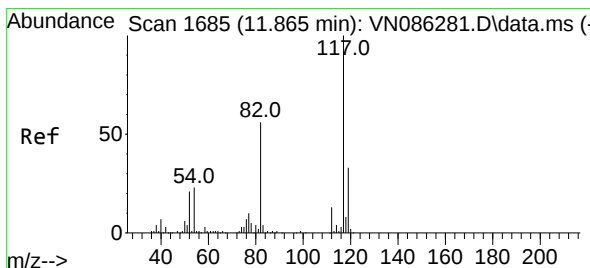
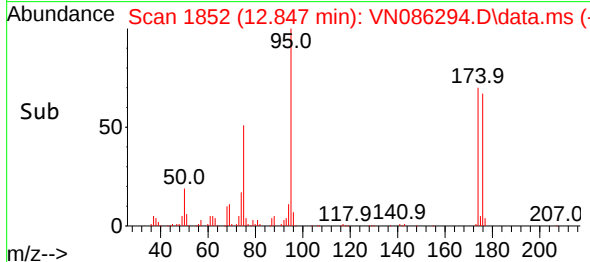
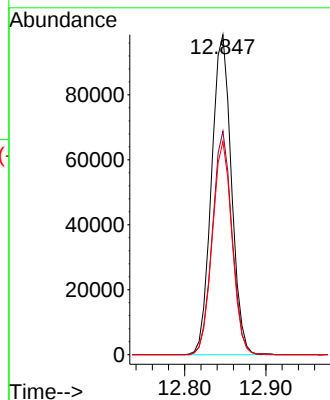
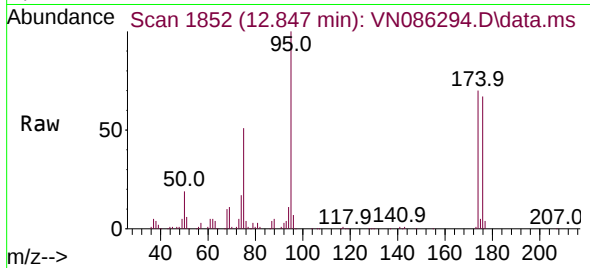




#62
4-Bromofluorobenzene
Concen: 52.201 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

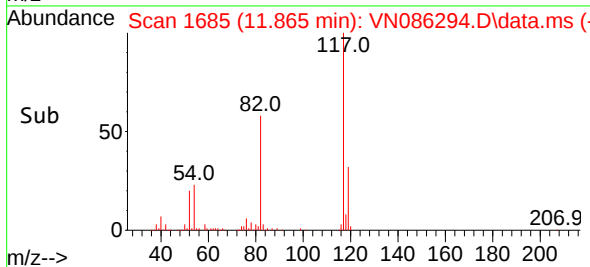
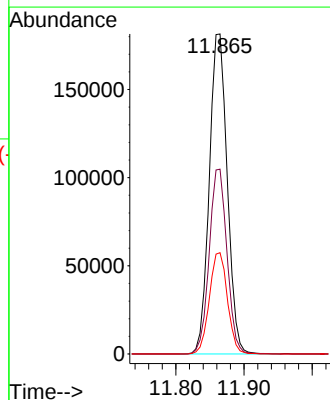
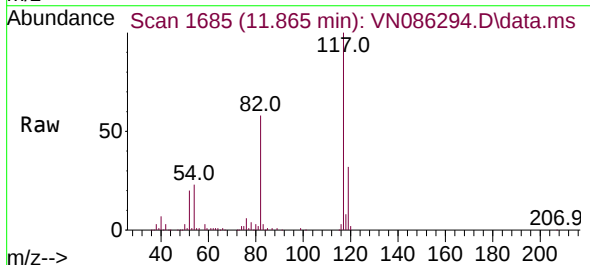
Instrument :
MSVOA_N
ClientSampleId :
RINSE-EB-PUMP-041525

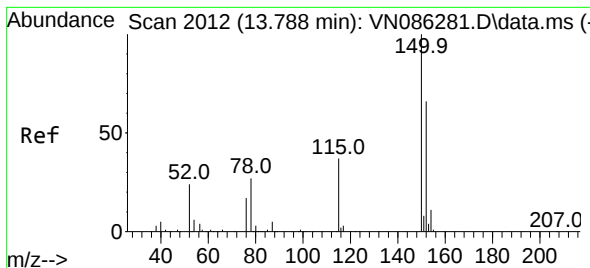
Tgt Ion: 95 Resp: 167466
Ion Ratio Lower Upper
95 100
174 68.8 0.0 133.4
176 65.8 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

Tgt Ion: 117 Resp: 332731
Ion Ratio Lower Upper
117 100
82 57.7 44.7 67.1
119 31.6 26.4 39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN086294.D

Acq: 16 Apr 2025 14:02

Instrument :

MSVOA_N

ClientSampleId :

RINSE-EB-PUMP-041525

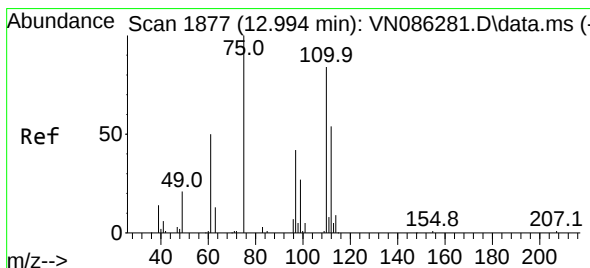
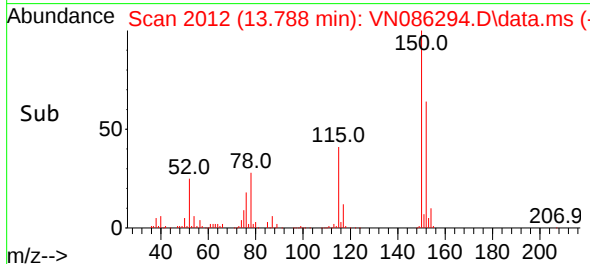
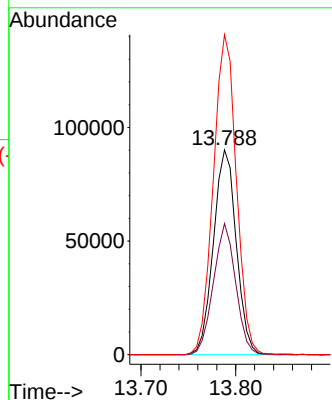
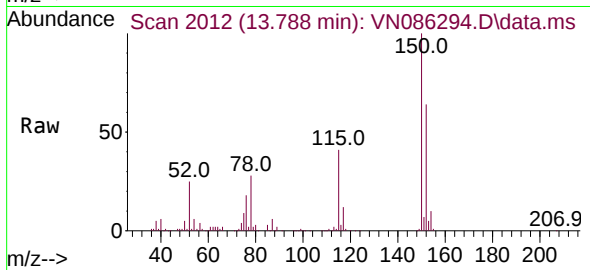
Tgt Ion:152 Resp: 151028

Ion Ratio Lower Upper

152 100

115 62.3 31.9 95.9

150 157.8 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 23.788 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086294.D

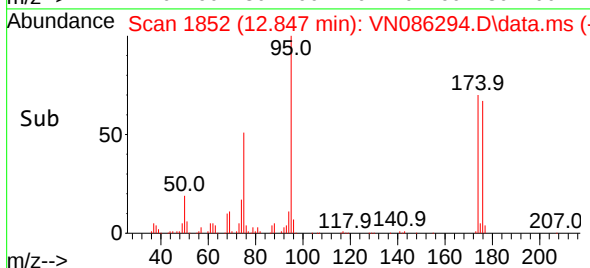
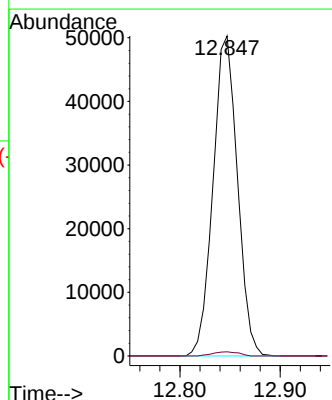
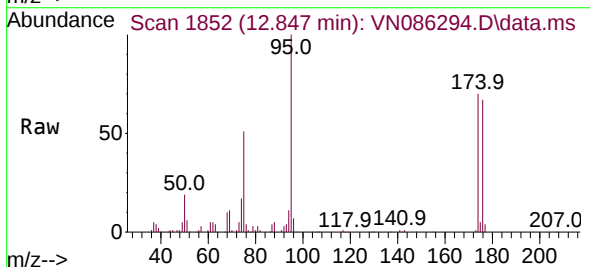
Acq: 16 Apr 2025 14:02

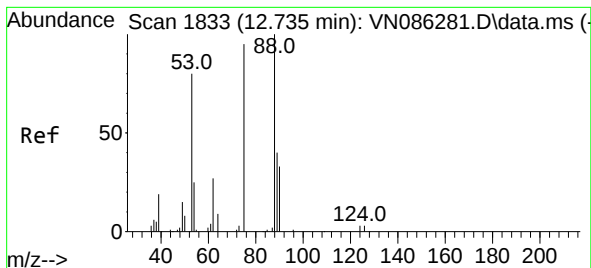
Tgt Ion: 75 Resp: 84782

Ion Ratio Lower Upper

75 100

77 1.4 98.8 296.4#

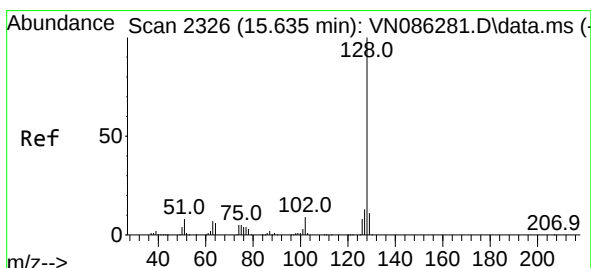
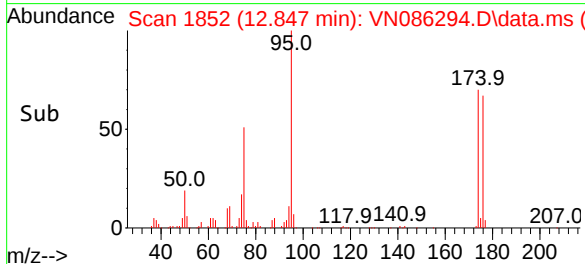
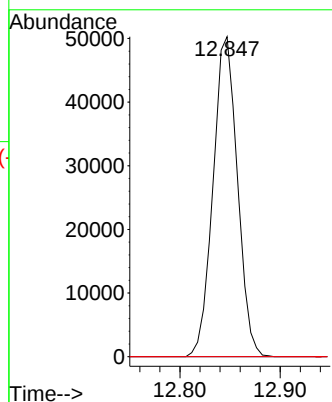
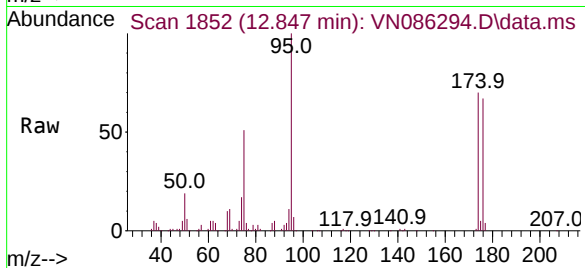




#81
trans-1,4-Dichloro-2-butene
Concen: 57.130 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

Instrument :
MSVOA_N
ClientSampleId :
RINSE-EB-PUMP-041525

Tgt Ion: 75 Resp: 84782
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#



#95
Naphthalene
Concen: 0.208 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN086294.D
Acq: 16 Apr 2025 14:02

Tgt Ion:128 Resp: 1765
Ion Ratio Lower Upper
128 100
127 3.8 10.2 15.4#
129 0.0 8.6 13.0#

