

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052925\
 Data File : VN086823.D
 Acq On : 29 May 2025 18:37
 Operator : JC\MD
 Sample : Q2098-04RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL-DSN-002RE

Quant Time: May 30 02:48:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 30 02:22:52 2025
 Response via : Initial Calibration

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

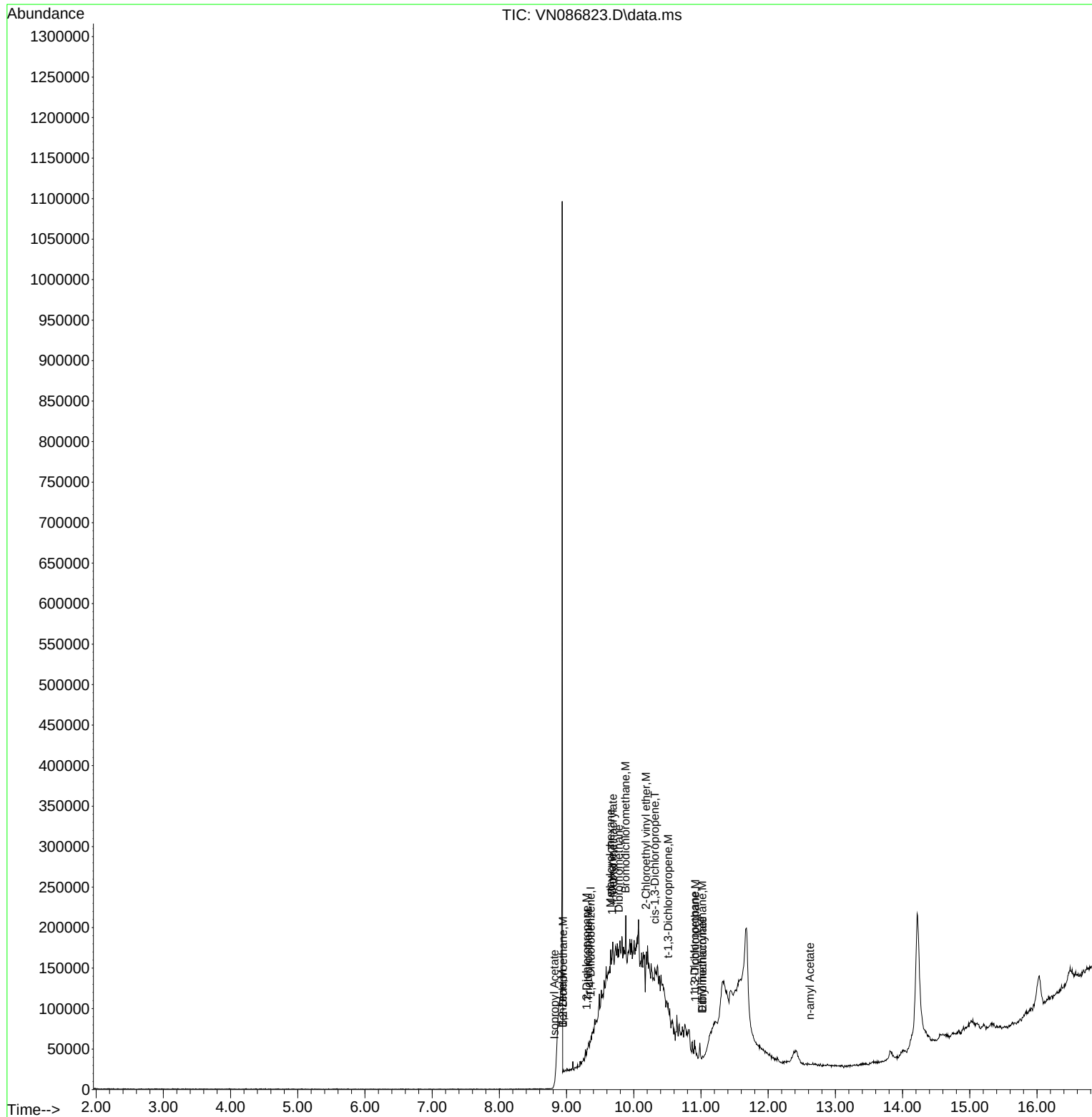
Internal Standards						
1) Bromochloromethane	0.000	128	0	0.000	ug/l	-7.81
28) 1,4-Difluorobenzene	9.359	114	56	30.000	ug/l	# 0.26
57) Chlorobenzene-d5	0.000	117	0	0.000	ug/l	-11.86
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.953	65	348	0.000	ug/l	0.38
Spiked Amount	30.000	Range	91 - 110	Recovery	=	0.000%#
60) 4-Bromofluorobenzene	12.882	95	113	0.000	ug/l	0.04
Spiked Amount	30.000	Range	63 - 112	Recovery	=	0.000%#
63) Toluene-d8	10.406	98	476	0.000	ug/l	-0.16
Spiked Amount	30.000	Range	91 - 112	Recovery	=	0.000%#
Target Compounds						
					Qvalue	
34) Benzene	8.941	78	367	136.992	ug/l #	1
36) 1,2-Dichloroethane	8.947	62	85	108.275	ug/l #	1
37) Trichloroethene	9.324	130	57	76.706	ug/l	94
38) Methylcyclohexane	9.653	83	493	539.657	ug/l	84
39) 1,2-Dichloropropane	9.300	63	120	186.056	ug/l	96
40) Dibromomethane	9.776	93	991	2349.235	ug/l	52
41) Bromodichloromethane	9.876	83	327	370.322	ug/l #	6
44) Isopropyl Acetate	8.818	43	122	96.342	ug/l #	45
45) 1,4-Dioxane	9.676	88	528	46911.188	ug/l #	1
46) Methyl methacrylate	9.688	41	1201	2056.861	ug/l #	22
47) n-amyl Acetate	12.623	43	412	405.266	ug/l	90
48) t-1,3-Dichloropropene	10.512	75	199	210.600	ug/l	89
49) cis-1,3-Dichloropropene	10.312	75	399	383.900	ug/l #	4
50) 1,1,2-Trichloroethane	10.918	97	62	104.355	ug/l #	22
51) Ethyl methacrylate	11.023	69	306	318.014	ug/l	78
52) 1,3-Dichloropropane	10.906	76	267	253.228	ug/l	44
53) Dibromochloromethane	11.018	129	69	102.772	ug/l #	10
55) 2-Chloroethyl vinyl ether	10.182	63	115	248.984	ug/l #	1

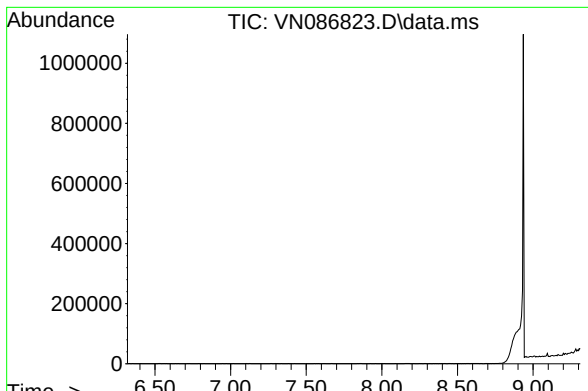
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052925\
Data File : VN086823.D
Acq On : 29 May 2025 18:37
Operator : JC\MD
Sample : Q2098-04RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002RE

Quant Time: May 30 02:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 30 02:22:52 2025
Response via : Initial Calibration



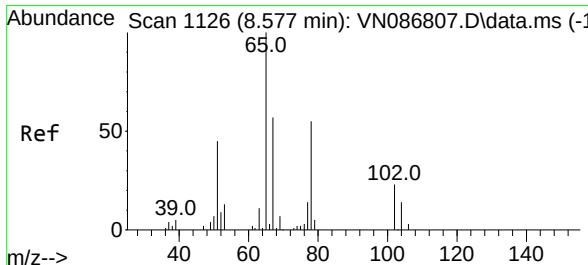
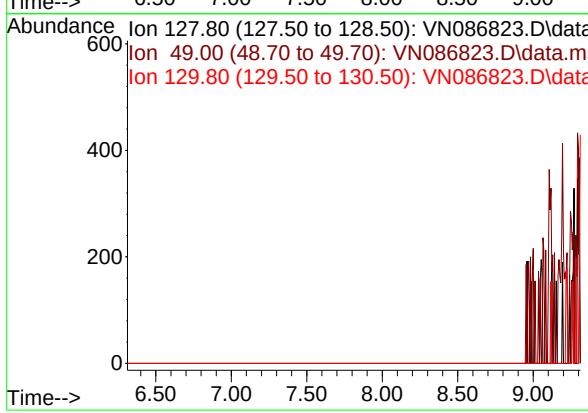


#1
 Bromochloromethane
 Concen: 0.000 ug/l
 Expected RT: 7.81 min
 Lab File: VN086823.D
 Acq: 29 May 2025 18:37

Instrument : MSVOA_N
 ClientSampleId : OUTFALL-DSN-002RE

Tgt Ion: 128

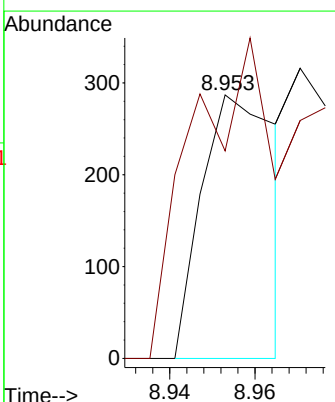
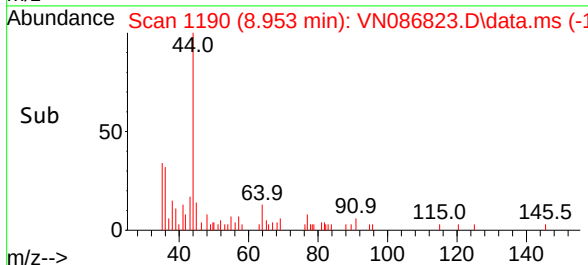
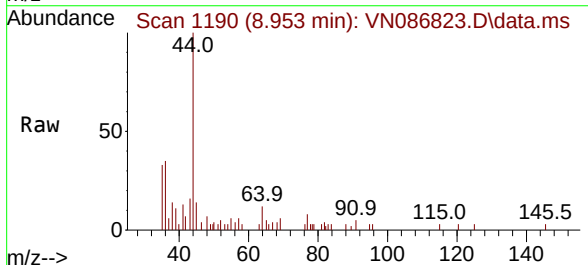
Sig	Exp Ratio
128	100
49	161.8
130	128.9

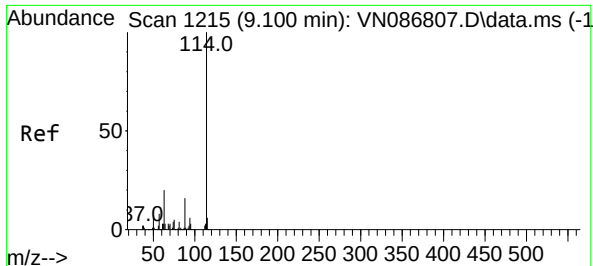


#27
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 RT: 8.953 min Scan# 1190
 Delta R.T. 0.376 min
 Lab File: VN086823.D
 Acq: 29 May 2025 18:37

Tgt Ion: 65 Resp: 348

Ion	Ratio	Lower	Upper
65	100		
67	44.3	44.6	67.0#





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.359 min Scan# 1188

Delta R.T. 0.259 min

Lab File: VN086823.D

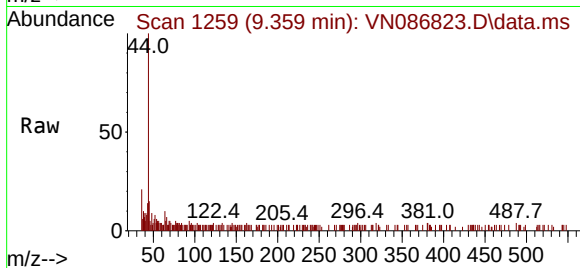
Acq: 29 May 2025 18:37

Instrument :

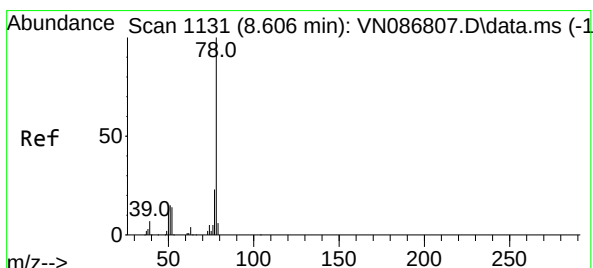
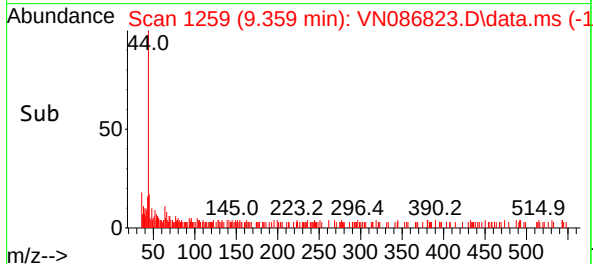
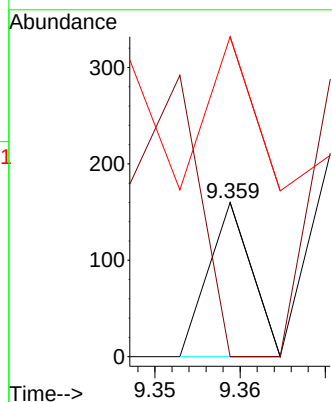
MSVOA_N

ClientSampleId :

OUTFALL-DSN-002RE



Tgt Ion:	114	Resp:	56
Ion	Ratio	Lower	Upper
114	100		
63	296.4	15.8	23.8#
88	621.4	12.9	19.3#



#34

Benzene

Concen: 136.992 ug/l

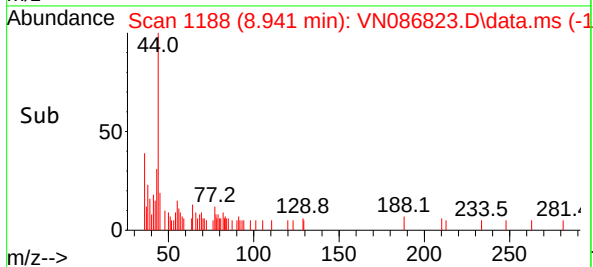
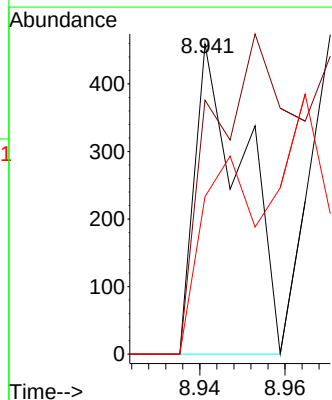
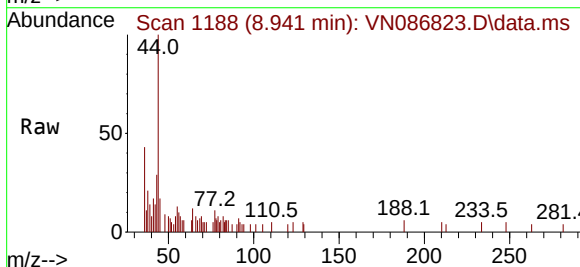
RT: 8.941 min Scan# 1188

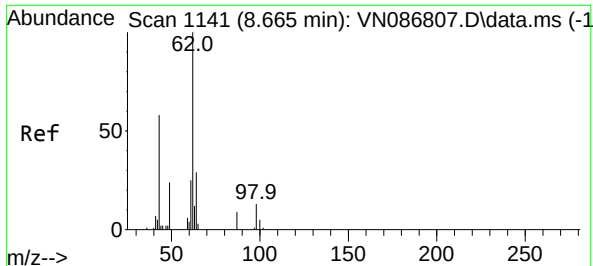
Delta R.T. 0.335 min

Lab File: VN086823.D

Acq: 29 May 2025 18:37

Tgt Ion:	78	Resp:	367
Ion	Ratio	Lower	Upper
78	100		
77	81.9	18.2	27.2#
51	89.3	11.9	17.9#





#36

1,2-Dichloroethane

Concen: 108.275 ug/l

RT: 8.947 min Scan# 1141

Delta R.T. 0.282 min

Lab File: VN086823.D

Acq: 29 May 2025 18:37

Instrument :

MSVOA_N

ClientSampleId :

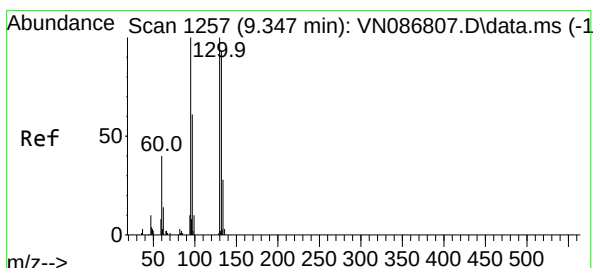
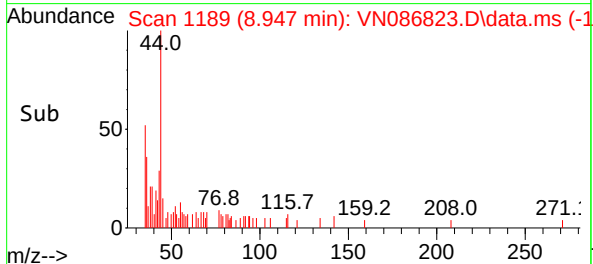
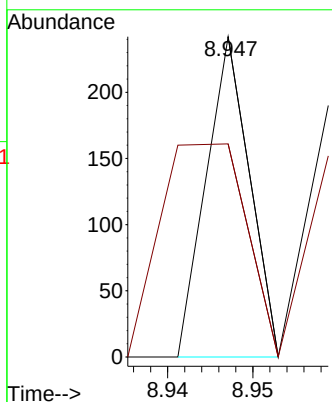
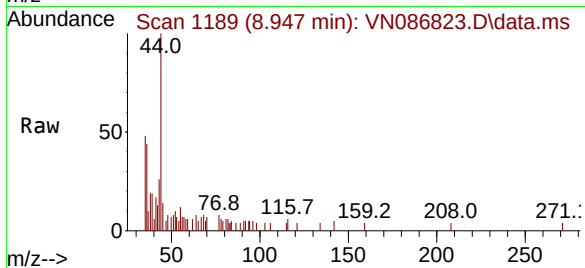
OUTFALL-DSN-002RE

Tgt Ion: 62 Resp: 85

Ion Ratio Lower Upper

62 100

98 132.9 8.5 12.7#



#37

Trichloroethene

Concen: 76.706 ug/l

RT: 9.324 min Scan# 1253

Delta R.T. -0.024 min

Lab File: VN086823.D

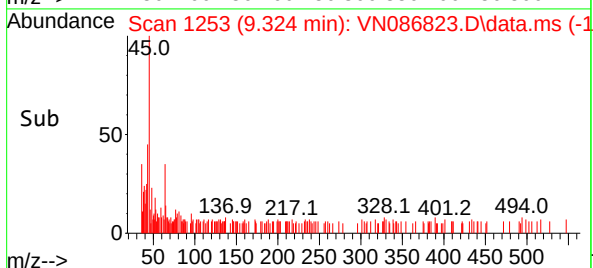
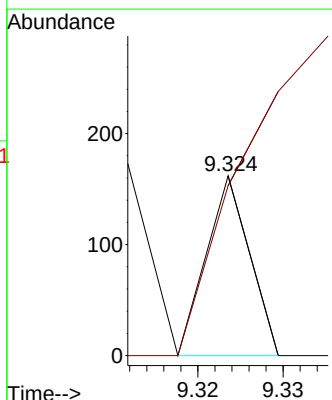
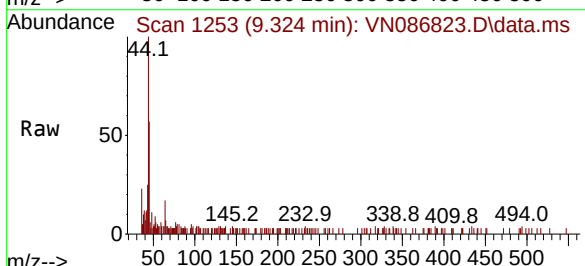
Acq: 29 May 2025 18:37

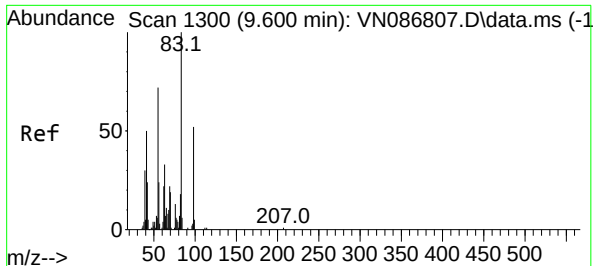
Tgt Ion: 130 Resp: 57

Ion Ratio Lower Upper

130 100

95 94.4 80.3 120.5

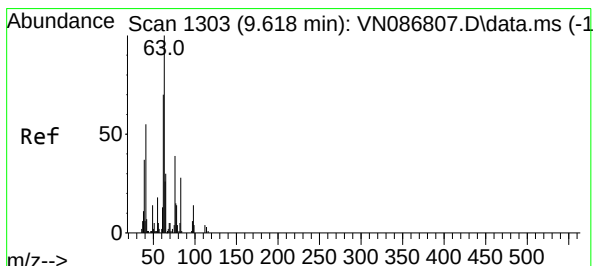
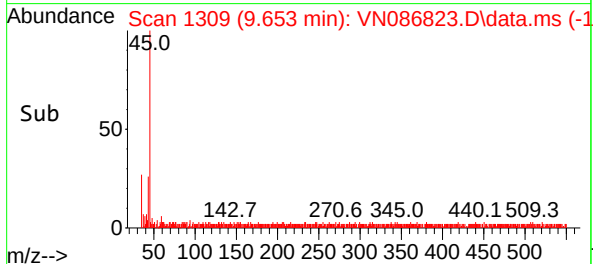
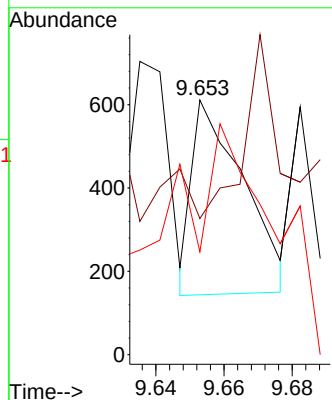
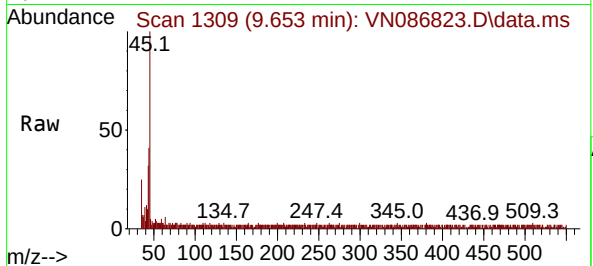




#38
Methylcyclohexane
Concen: 539.657 ug/l
RT: 9.653 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN086823.D
Acq: 29 May 2025 18:37

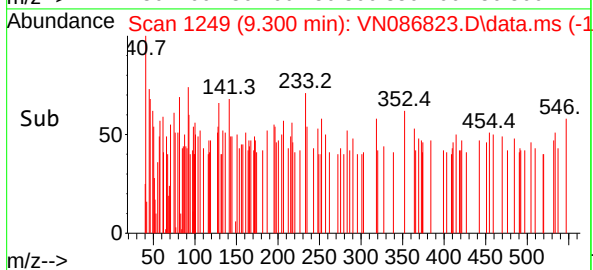
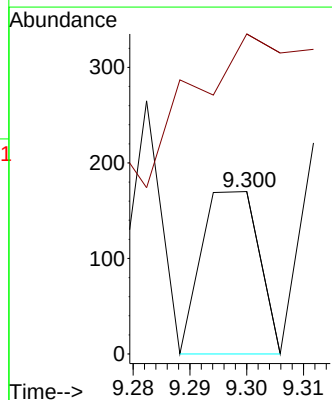
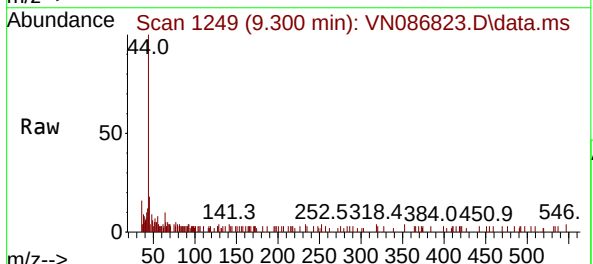
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002RE

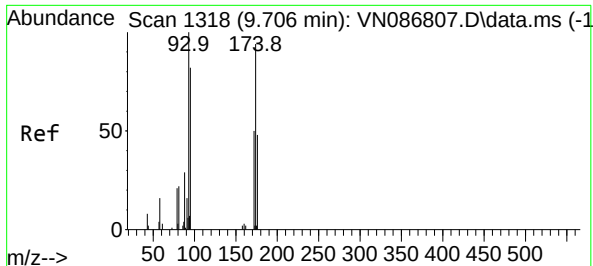
Tgt Ion: 83 Resp: 493
Ion Ratio Lower Upper
83 100
55 67.1 37.4 112.1
98 66.7 24.6 73.6



#39
1,2-Dichloropropane
Concen: 186.056 ug/l
RT: 9.300 min Scan# 1249
Delta R.T. -0.318 min
Lab File: VN086823.D
Acq: 29 May 2025 18:37

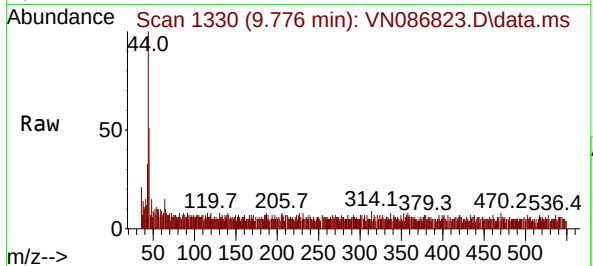
Tgt Ion: 63 Resp: 120
Ion Ratio Lower Upper
63 100
65 28.2 24.2 36.4



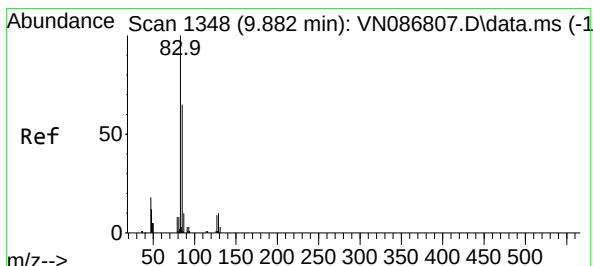
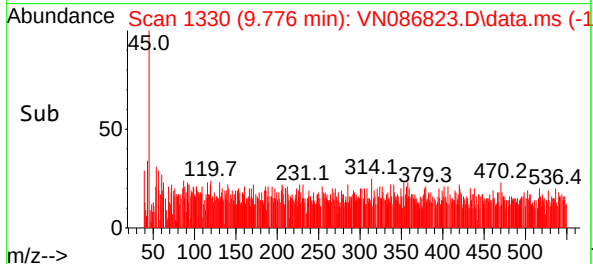
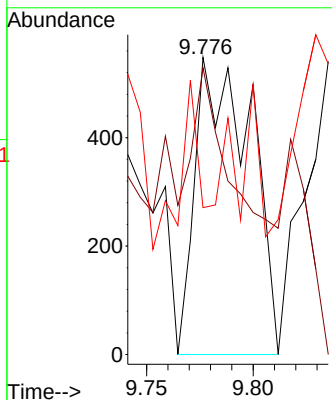


#40
Dibromomethane
Concen: 2349.235 ug/l
RT: 9.776 min Scan# 11
Delta R.T. 0.070 min
Lab File: VN086823.D
Acq: 29 May 2025 18:37

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002RE

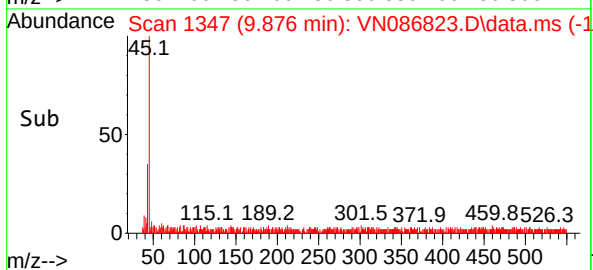
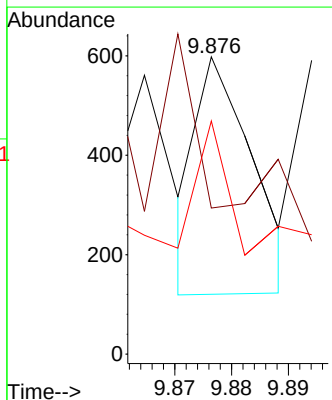
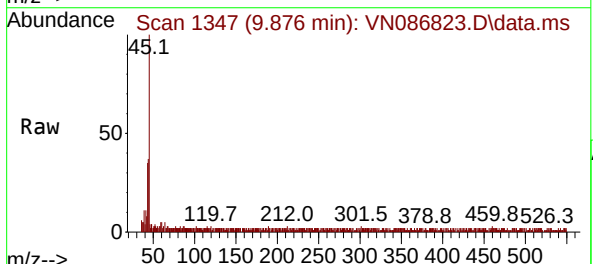


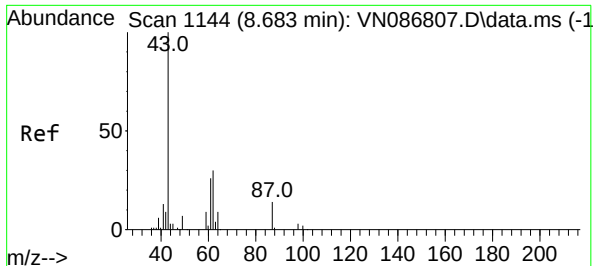
Tgt Ion:	93	Resp:	991
Ion	Ratio	Lower	Upper
93	100		
95	59.1	0.0	166.4
174	27.6	0.0	181.8



#41
Bromodichloromethane
Concen: 370.322 ug/l
RT: 9.876 min Scan# 1347
Delta R.T. -0.006 min
Lab File: VN086823.D
Acq: 29 May 2025 18:37

Tgt Ion:	83	Resp:	327
Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.8#
127	74.2	6.8	10.2#

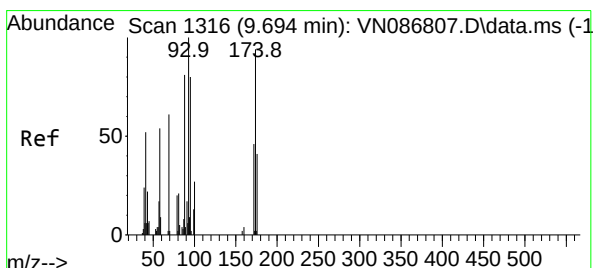
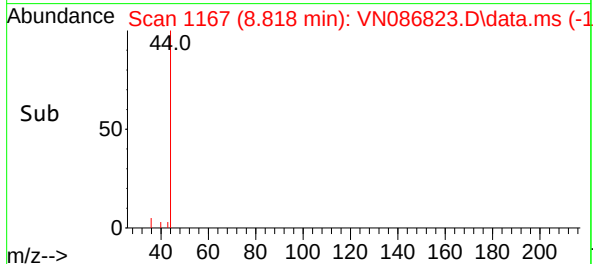
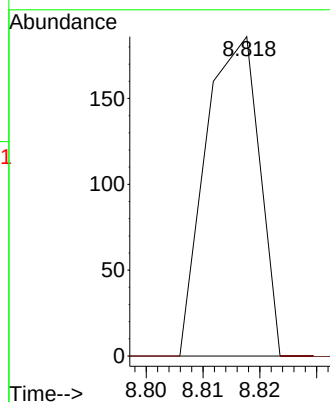
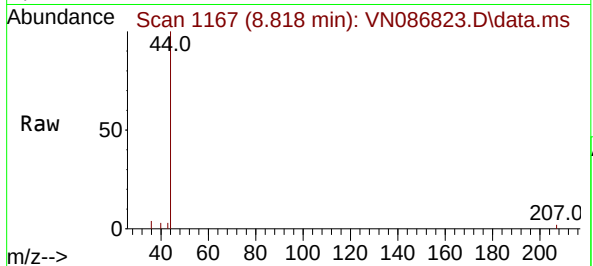




#44
Isopropyl Acetate
Concen: 96.342 ug/l
RT: 8.818 min Scan# 1167
Delta R.T. 0.135 min
Lab File: VN086823.D
Acq: 29 May 2025 18:37

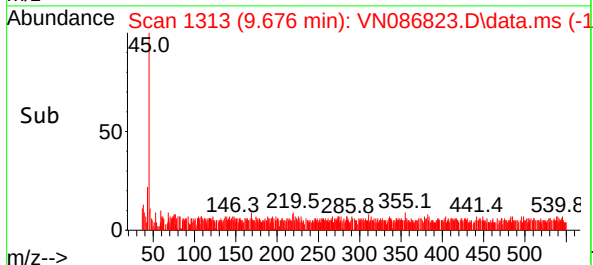
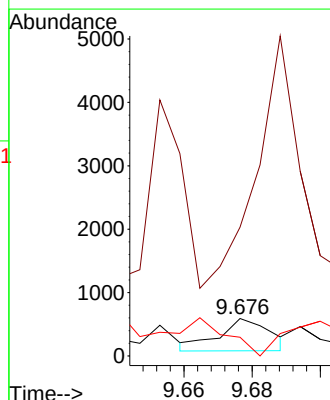
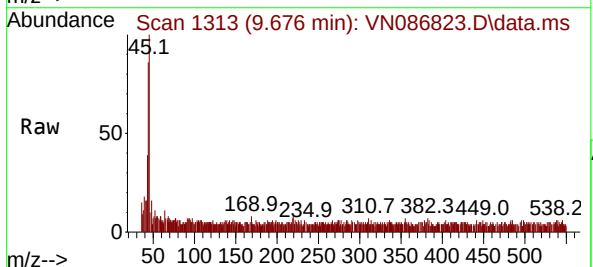
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002RE

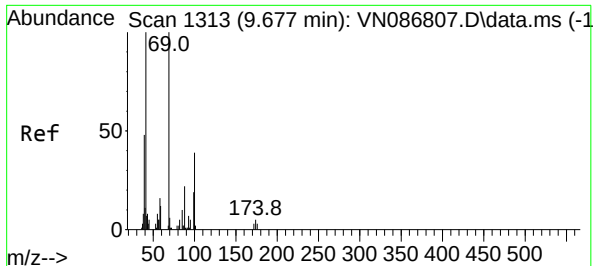
Tgt Ion: 43 Resp: 122
Ion Ratio Lower Upper
43 100
61 0.0 23.8 35.6#



#45
1,4-Dioxane
Concen: 46911.188 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.018 min
Lab File: VN086823.D
Acq: 29 May 2025 18:37

Tgt Ion: 88 Resp: 528
Ion Ratio Lower Upper
88 100
43 676.3 23.0 34.6#
58 139.2 57.6 86.4#





#46

Methyl methacrylate

Concen: 2056.861 ug/l

RT: 9.688 min Scan# 11

Delta R.T. 0.012 min

Lab File: VN086823.D

Acq: 29 May 2025 18:37

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL-DSN-002RE

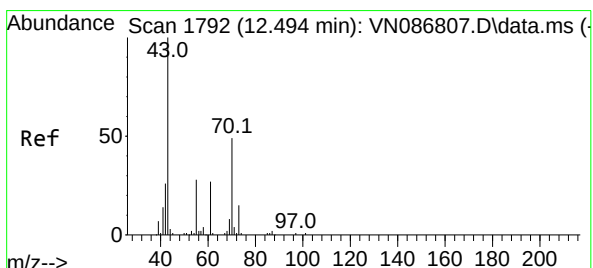
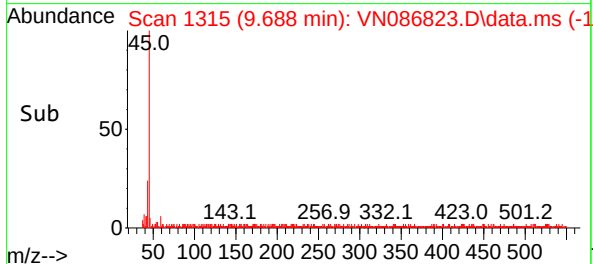
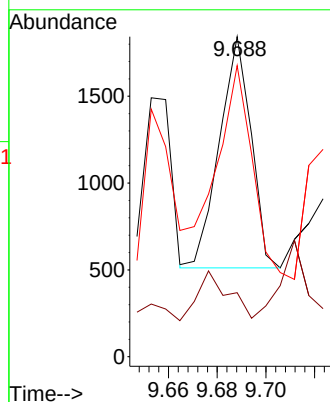
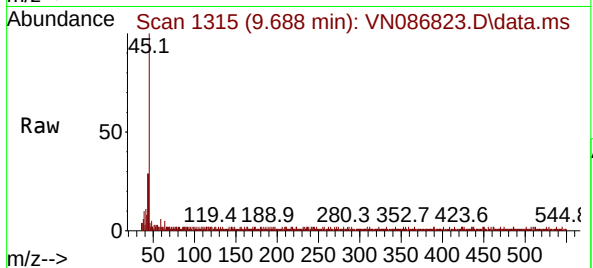
Tgt Ion: 41 Resp: 1201

Ion Ratio Lower Upper

41 100

69 12.1 48.0 144.2#

39 89.5 23.8 71.2#



#47

n-amy1 Acetate

Concen: 405.266 ug/l

RT: 12.623 min Scan# 1814

Delta R.T. 0.129 min

Lab File: VN086823.D

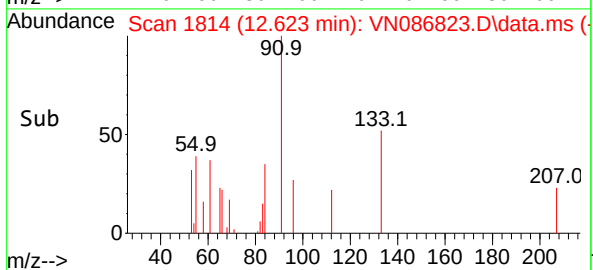
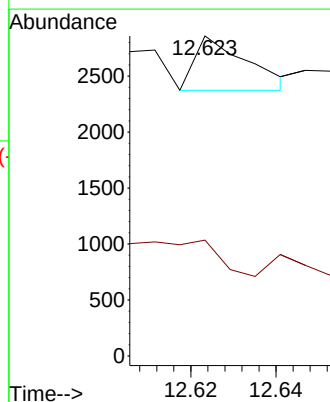
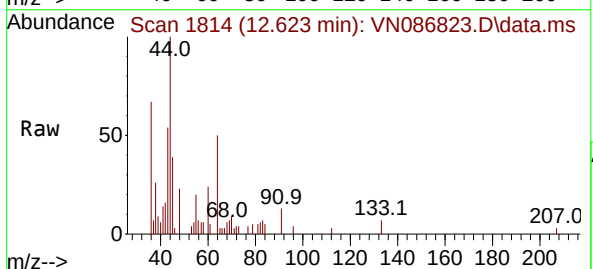
Acq: 29 May 2025 18:37

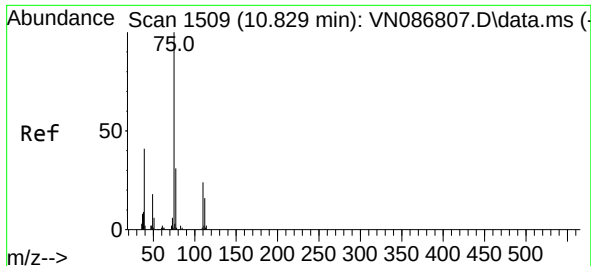
Tgt Ion: 43 Resp: 412

Ion Ratio Lower Upper

43 100

55 32.3 21.7 32.5

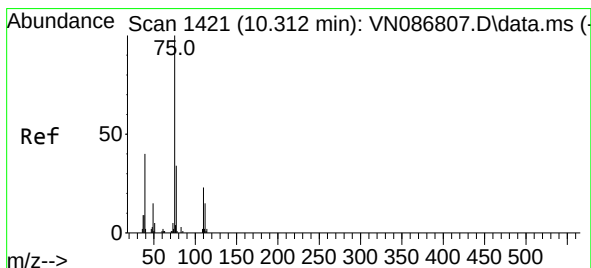
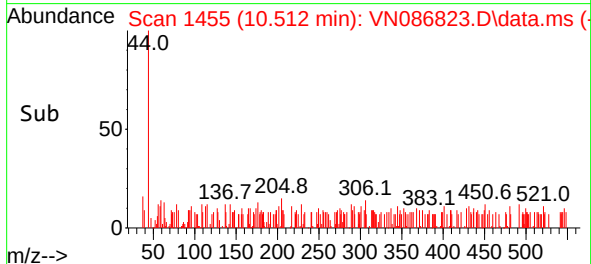
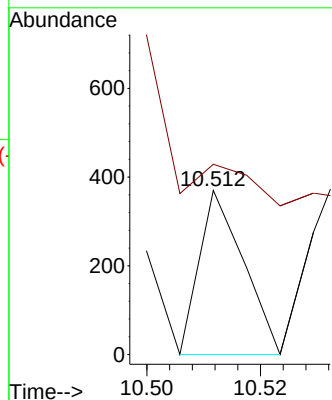
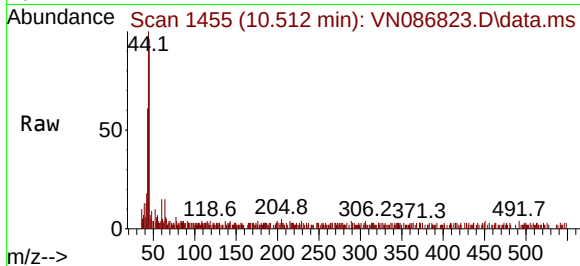




#48
t-1,3-Dichloropropene
Concen: 210.600 ug/l
RT: 10.512 min Scan# 1455
Delta R.T. -0.318 min
Lab File: VN086823.D
Acq: 29 May 2025 18:37

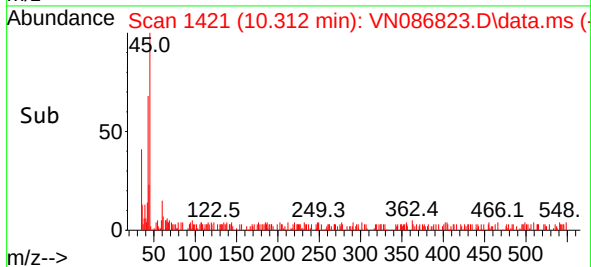
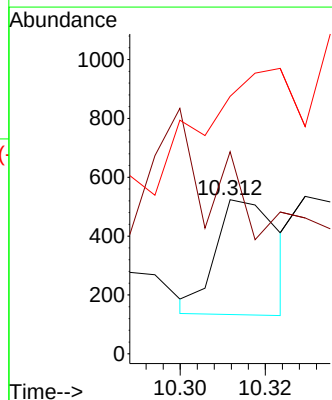
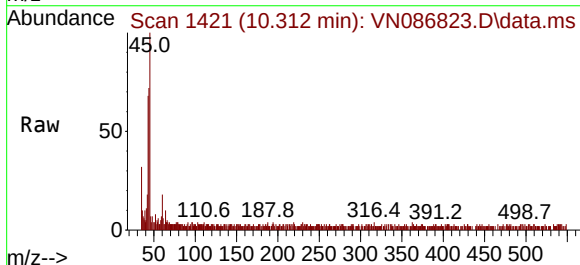
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002RE

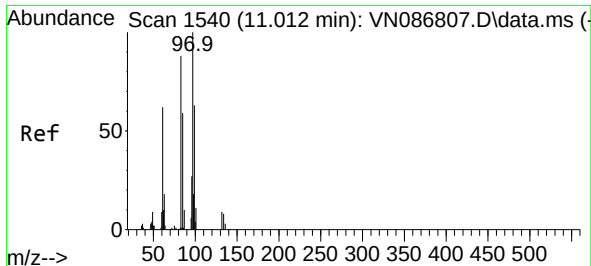
Tgt Ion: 75 Resp: 199
Ion Ratio Lower Upper
75 100
77 25.4 25.1 37.7



#49
cis-1,3-Dichloropropene
Concen: 383.900 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN086823.D
Acq: 29 May 2025 18:37

Tgt Ion: 75 Resp: 399
Ion Ratio Lower Upper
75 100
77 60.7 26.9 40.3#
39 124.6 31.8 47.6#

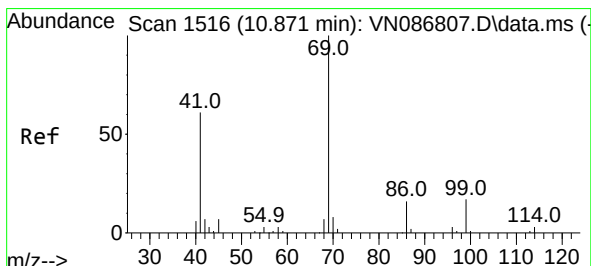
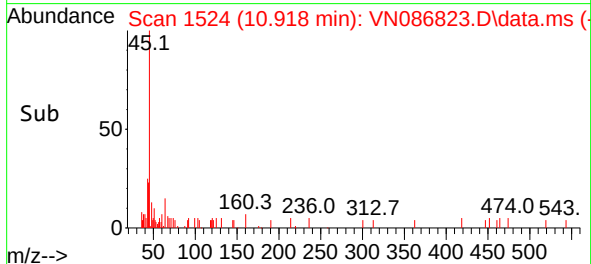
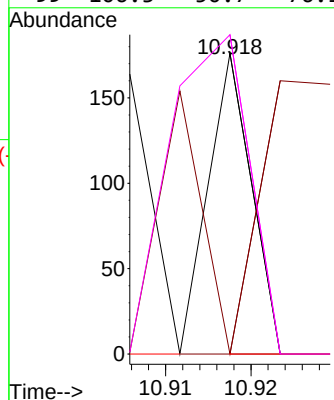
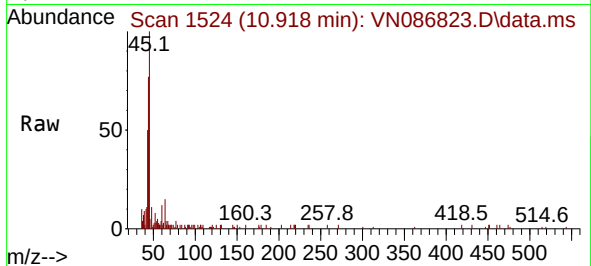




#50
1,1,2-Trichloroethane
Concen: 104.355 ug/l
RT: 10.918 min Scan# 11
Delta R.T. -0.094 min
Lab File: VN086823.D
Acq: 29 May 2025 18:37

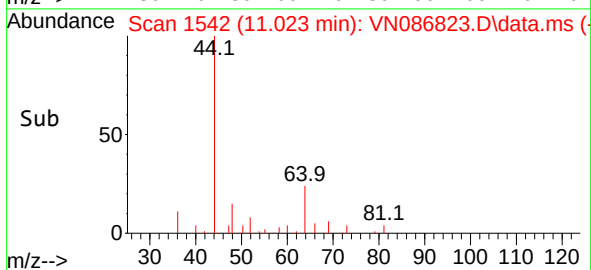
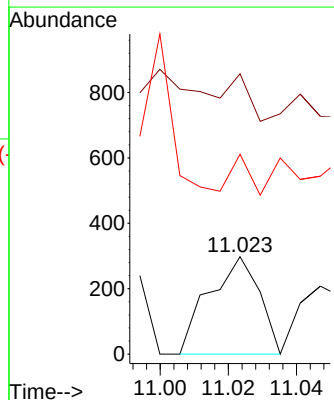
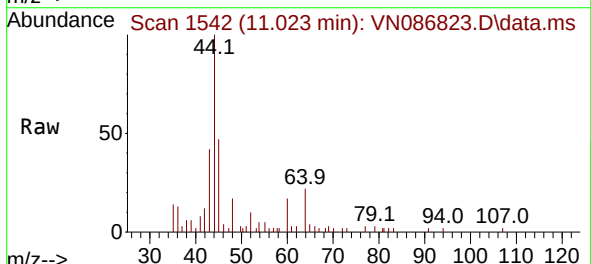
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002RE

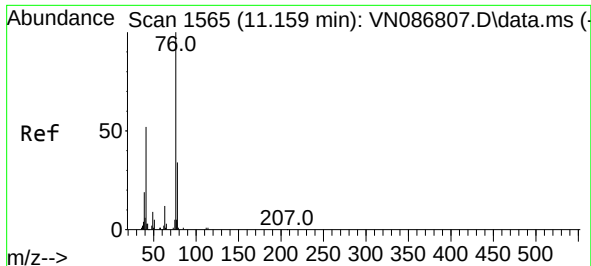
Tgt Ion: 97	Resp: 62
Ion Ratio	Lower Upper
97 100	
83 0.0	70.6 105.8#
85 0.0	46.8 70.2#
99 106.3	50.7 76.1#



#51
Ethyl methacrylate
Concen: 318.014 ug/l
RT: 11.023 min Scan# 1542
Delta R.T. 0.153 min
Lab File: VN086823.D
Acq: 29 May 2025 18:37

Tgt Ion: 69	Resp: 306
Ion Ratio	Lower Upper
69 100	
41 40.9	30.5 91.5
39 21.8	14.3 42.9

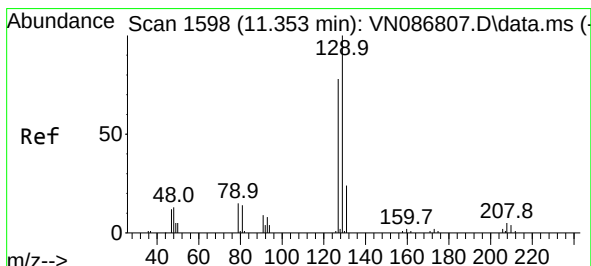
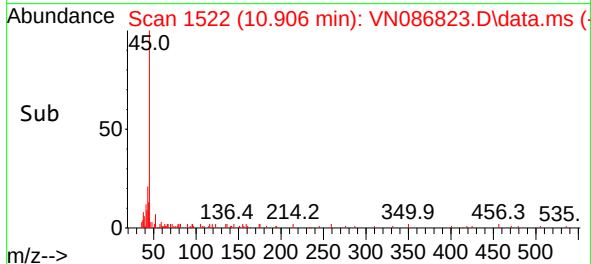
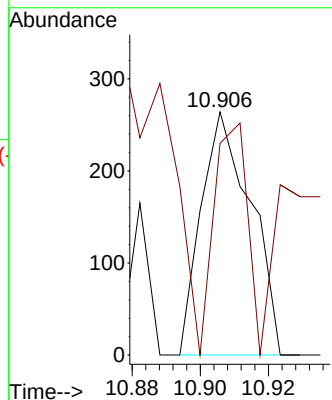
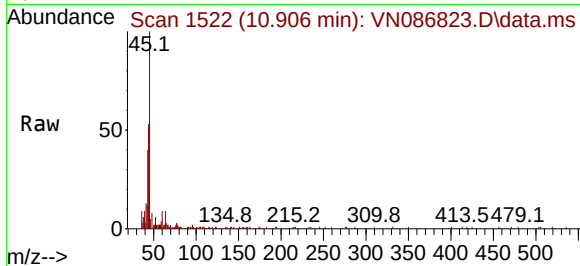




#52
1,3-Dichloropropane
Concen: 253.228 ug/l
RT: 10.906 min Scan# 1541
Delta R.T. -0.253 min
Lab File: VN086823.D
Acq: 29 May 2025 18:37

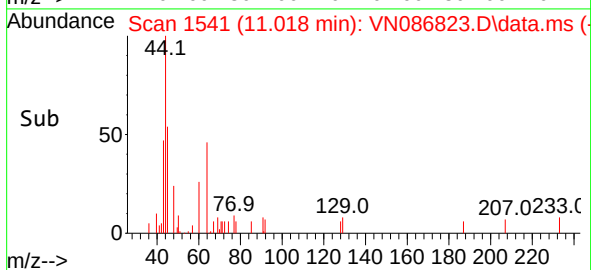
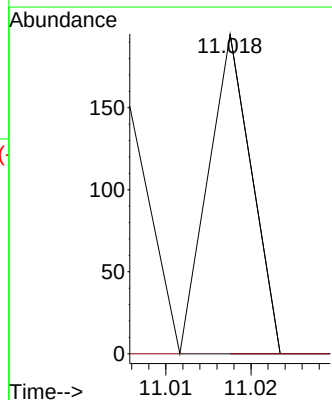
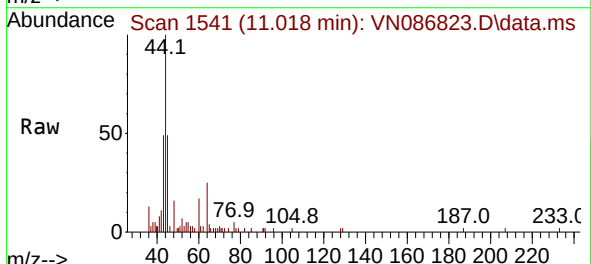
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002RE

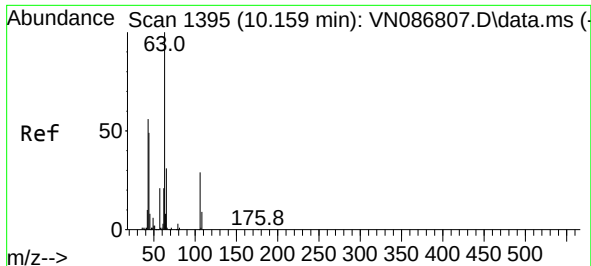
Tgt Ion: 76 Resp: 267
Ion Ratio Lower Upper
76 100
78 63.7 0.0 64.6



#53
Dibromochloromethane
Concen: 102.772 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.335 min
Lab File: VN086823.D
Acq: 29 May 2025 18:37

Tgt Ion: 129 Resp: 69
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.3#

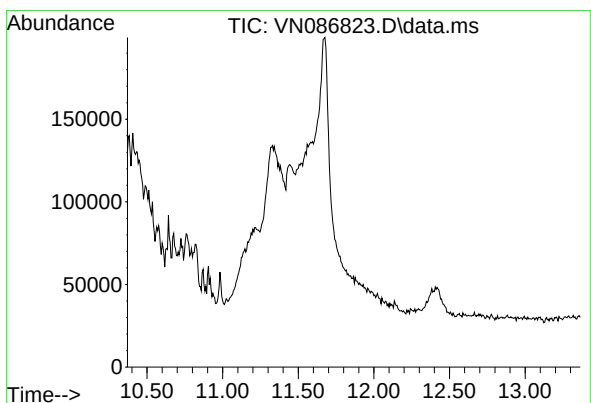
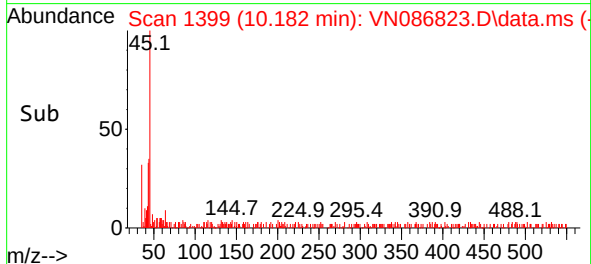
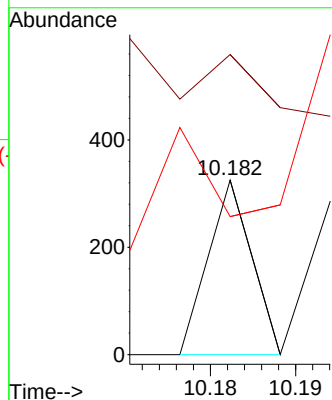
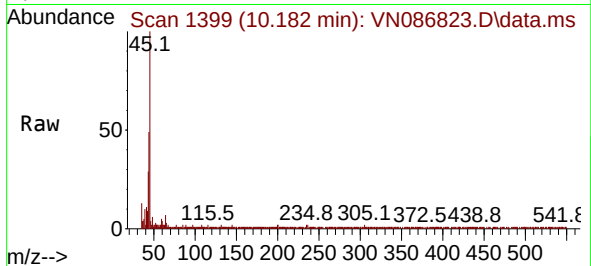




#55
2-Chloroethyl vinyl ether
Concen: 248.984 ug/l
RT: 10.182 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN086823.D
Acq: 29 May 2025 18:37

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002RE

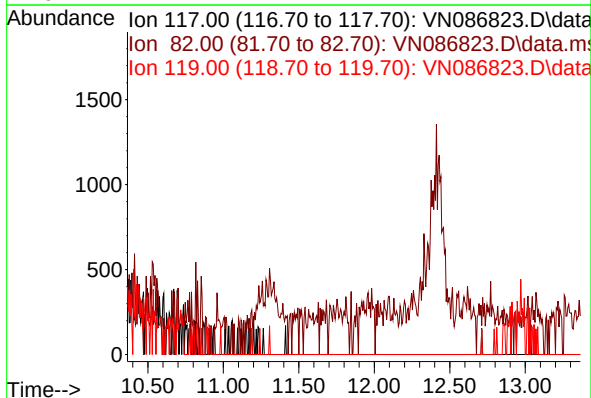
Tgt Ion: 63 Resp: 115
Ion Ratio Lower Upper
63 100
65 255.7 25.7 38.5#
106 327.0 22.7 34.1#

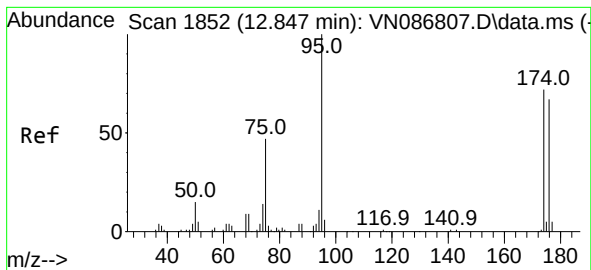


#57
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 11.86 min

Lab File: VN086823.D
Acq: 29 May 2025 18:37

Tgt Ion: 117
Sig Exp Ratio
117 100
82 55.9
119 32.0

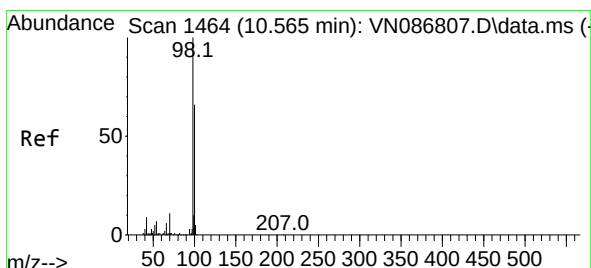
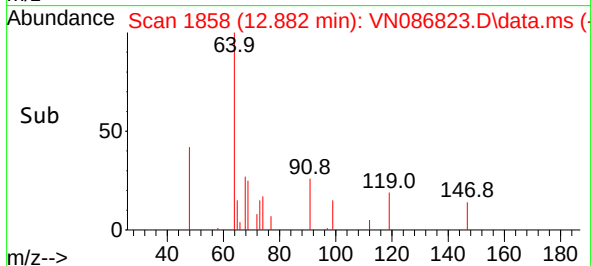
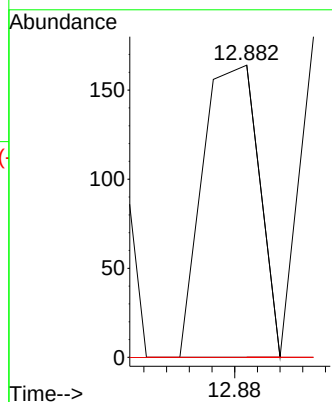
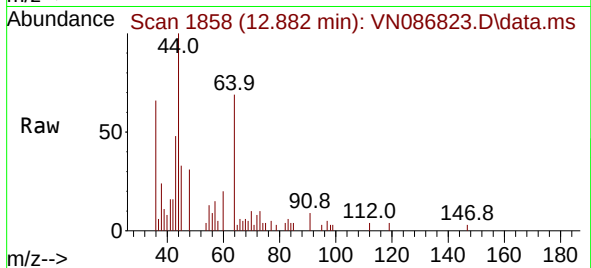




#60
4-Bromofluorobenzene
Concen: 0.000 ug/l
RT: 12.882 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN086823.D
Acq: 29 May 2025 18:37

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002RE

Tgt Ion: 95 Resp: 113
Ion Ratio Lower Upper
95 100
174 0.0 56.2 84.4#
176 0.0 53.4 80.0#



#63
Toluene-d8
Concen: 0.000 ug/l
RT: 10.406 min Scan# 1437
Delta R.T. -0.159 min
Lab File: VN086823.D
Acq: 29 May 2025 18:37

Tgt Ion: 98 Resp: 476
Ion Ratio Lower Upper
98 100
100 62.8 52.7 79.1

