

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090624\
 Data File : VN083701.D
 Acq On : 06 Sep 2024 17:12
 Operator : JC\MD
 Sample : P3790-02 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL-DSN-002

Quant Time: Sep 06 23:49:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

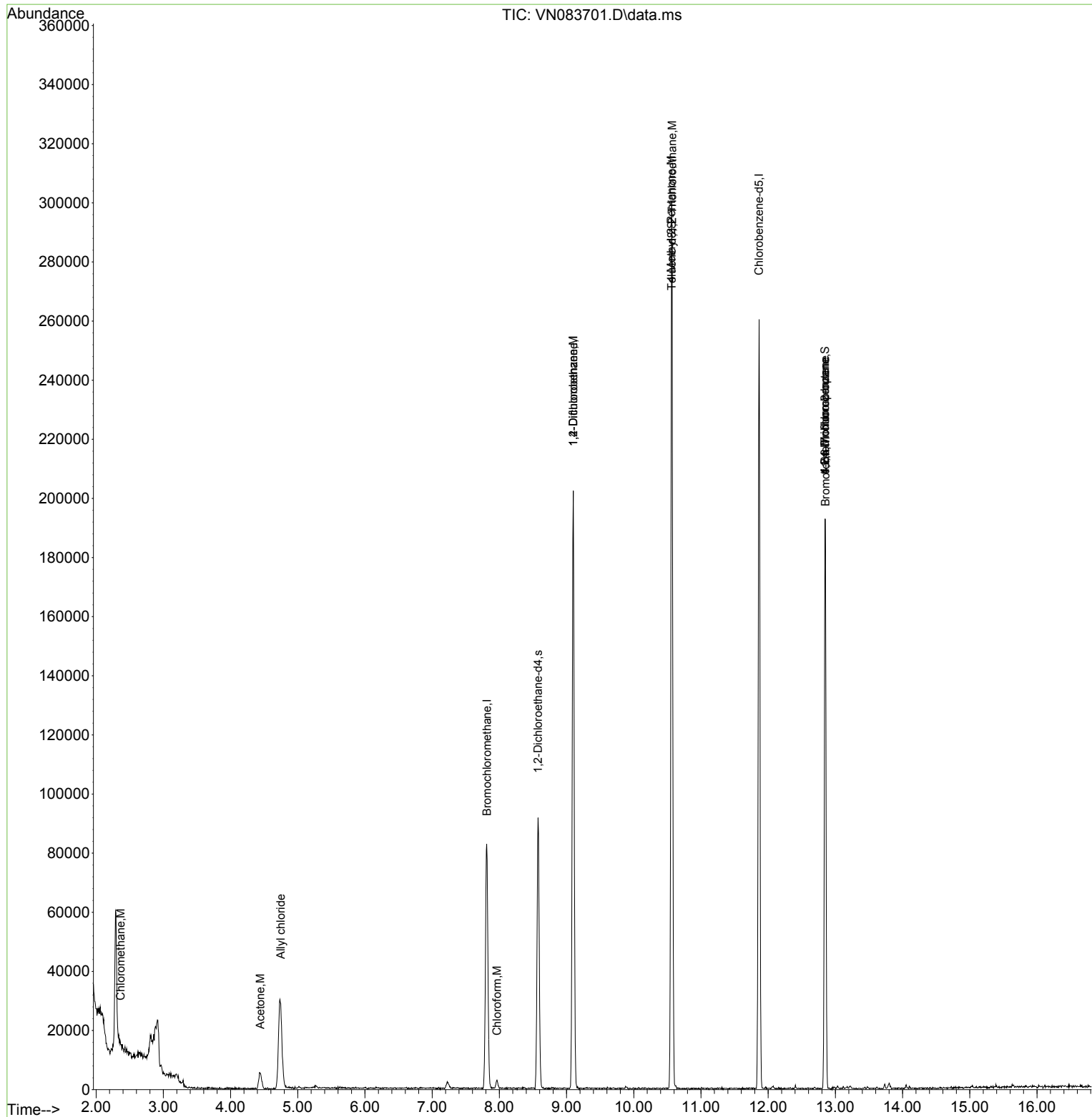
Internal Standards						
1) Bromochloromethane	7.818	128	27871	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	164104	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	140461	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	78298	30.734	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.433%			
60) 4-Bromofluorobenzene	12.847	95	67192	27.756	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 92.533%			
63) Toluene-d8	10.565	98	198570	30.531	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.767%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	569	0.293	ug/l #	43
15) Acetone	4.441	58	1372	4.892	ug/l #	45
17) Allyl chloride	4.747	41	3031	0.998	ug/l #	60
25) Chloroform	7.965	83	2903	0.782	ug/l	85
36) 1,2-Dichloroethane	9.100	62	6284	2.140	ug/l #	72
50) 1,1,2-Trichloroethane	10.570	97	6083	3.478	ug/l #	1
56) Bromoform	12.853	173	311	0.233	ug/l #	1
58) 4-Methyl-2-Pentanone	10.559	43	679	0.305	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	36662	17.746	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	36662	41.984	ug/l #	12

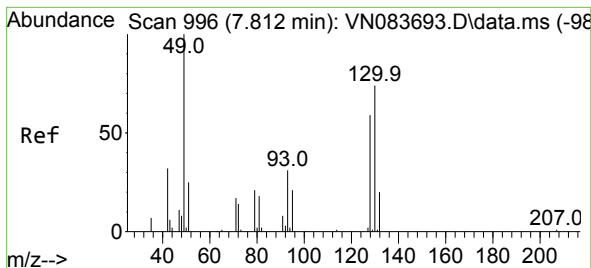
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 06 23:49:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
Response via : Initial Calibration

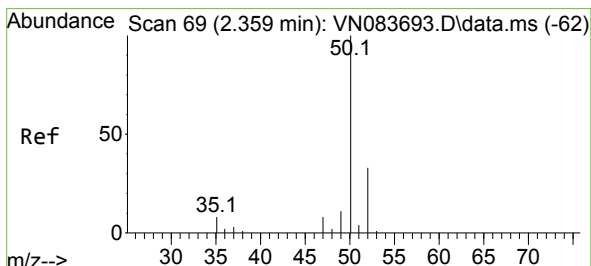
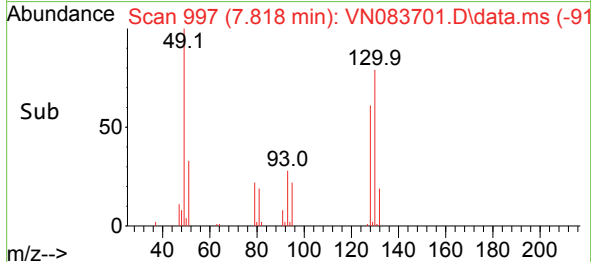
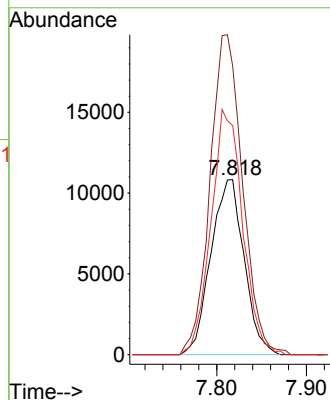
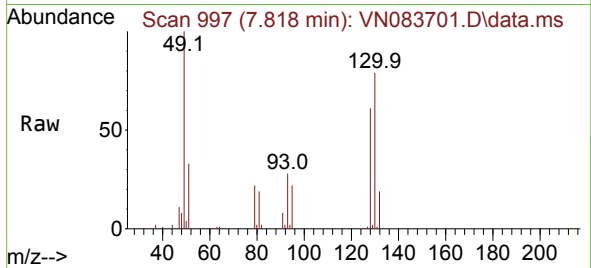




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN083701.D
Acq: 06 Sep 2024 17:12

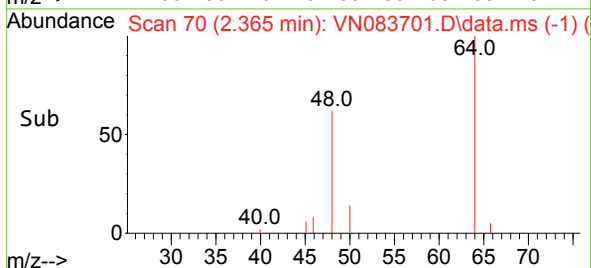
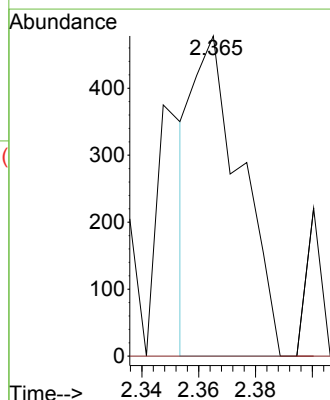
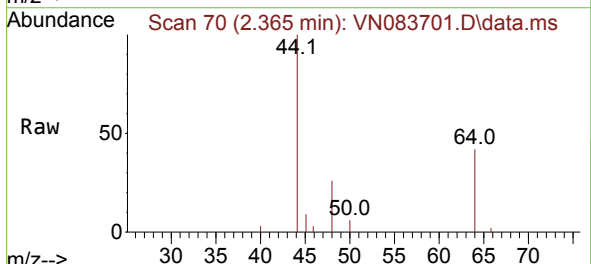
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002

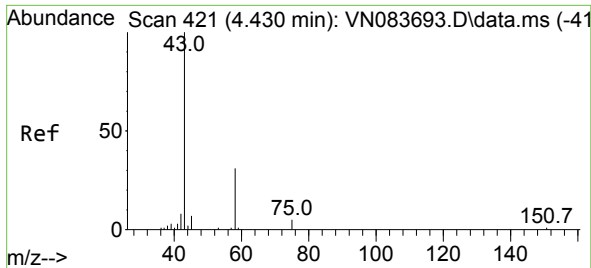
Tgt Ion:128 Resp: 27871
Ion Ratio Lower Upper
128 100
49 178.6 0.0 403.7
130 133.4 0.0 323.3



#3
Chloromethane
Concen: 0.293 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083701.D
Acq: 06 Sep 2024 17:12

Tgt Ion: 50 Resp: 569
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#

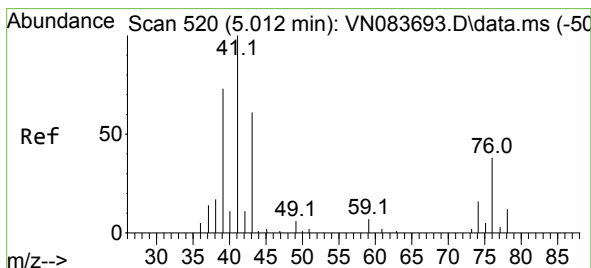
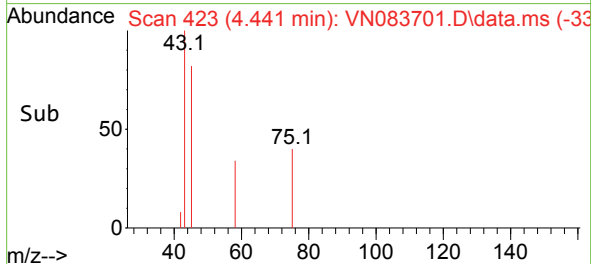
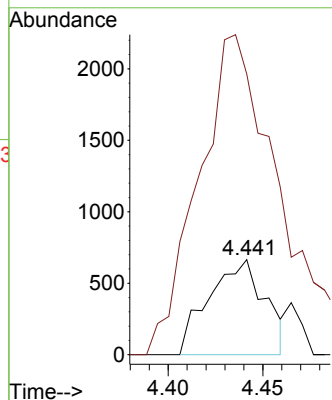
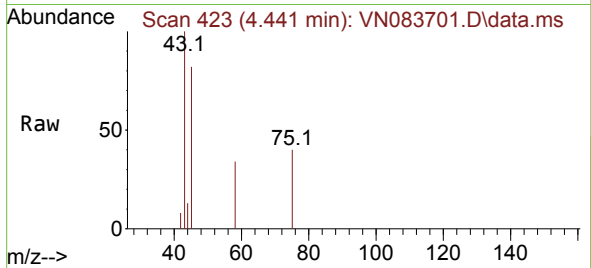




#15
Acetone
Concen: 4.892 ug/l
RT: 4.441 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN083701.D
Acq: 06 Sep 2024 17:12

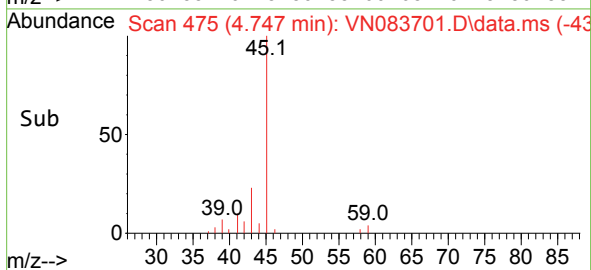
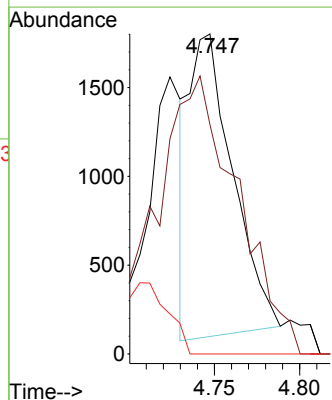
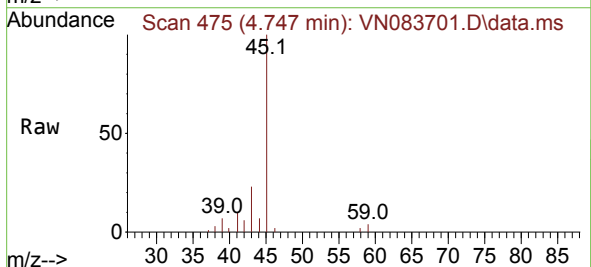
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002

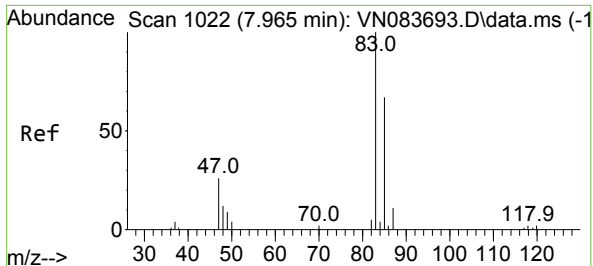
Tgt Ion: 58 Resp: 1372
Ion Ratio Lower Upper
58 100
43 176.4 223.1 334.7#



#17
Allyl chloride
Concen: 0.998 ug/l
RT: 4.747 min Scan# 475
Delta R.T. -0.265 min
Lab File: VN083701.D
Acq: 06 Sep 2024 17:12

Tgt Ion: 41 Resp: 3031
Ion Ratio Lower Upper
41 100
39 64.3 37.6 112.9
76 0.0 27.8 83.4#





#25

Chloroform

Concen: 0.782 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN083701.D

Acq: 06 Sep 2024 17:12

Instrument :

MSVOA_N

ClientSampleId :

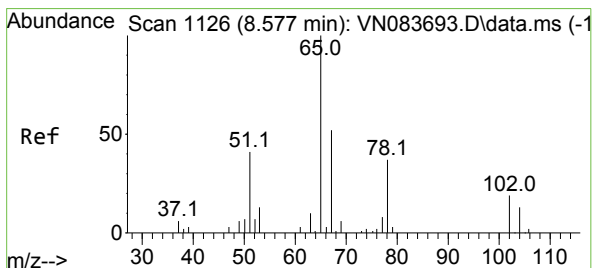
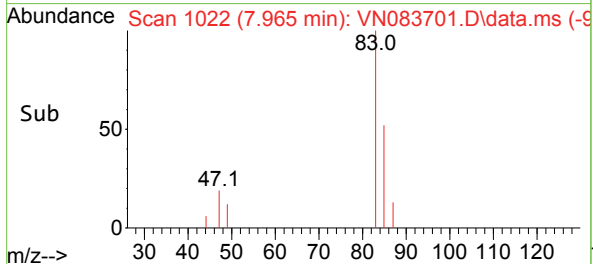
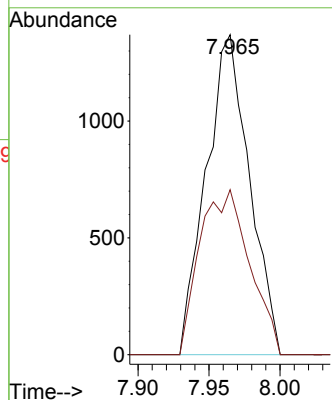
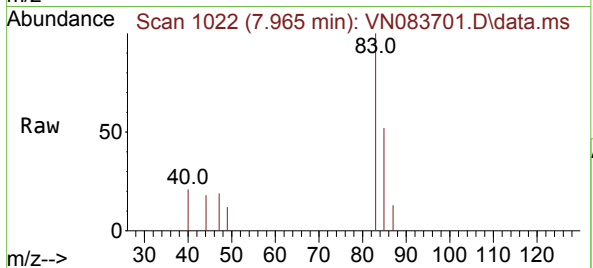
OUTFALL-DSN-002

Tgt Ion: 83 Resp: 2903

Ion Ratio Lower Upper

83 100

85 51.5 50.9 76.3



#27

1,2-Dichloroethane-d4

Concen: 30.734 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083701.D

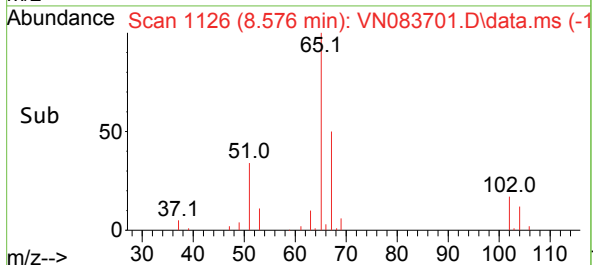
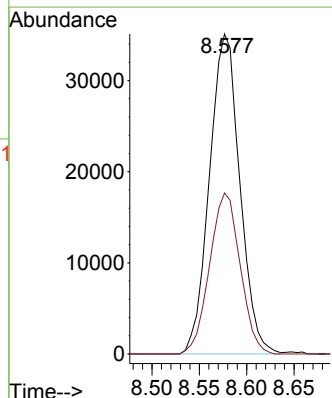
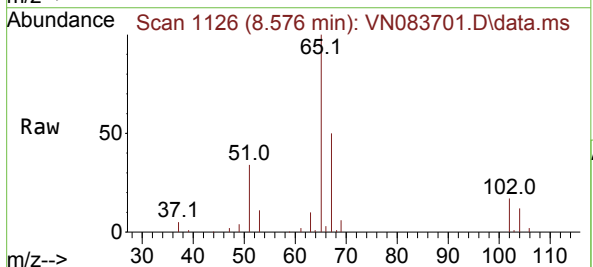
Acq: 06 Sep 2024 17:12

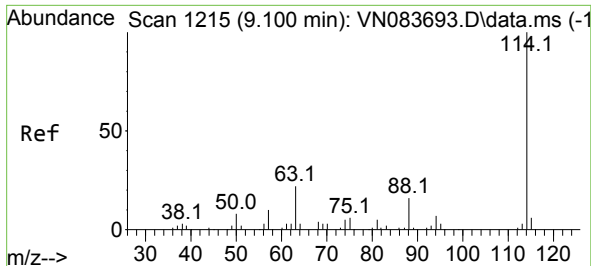
Tgt Ion: 65 Resp: 78298

Ion Ratio Lower Upper

65 100

67 50.6 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 114

Delta R.T. -0.000 min

Lab File: VN083701.D

Acq: 06 Sep 2024 17:12

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL-DSN-002

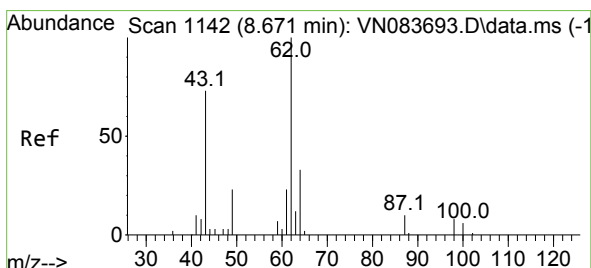
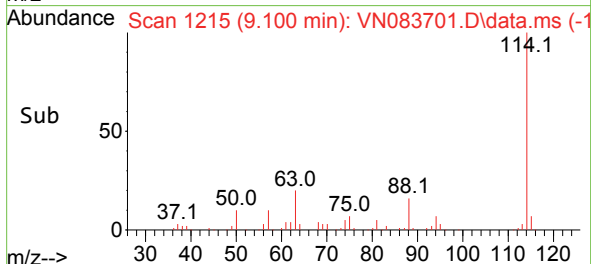
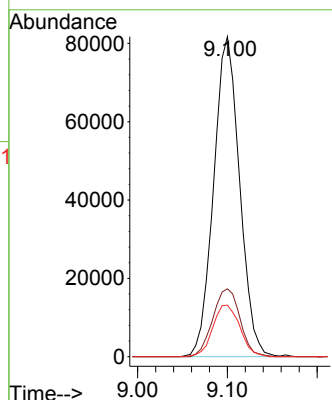
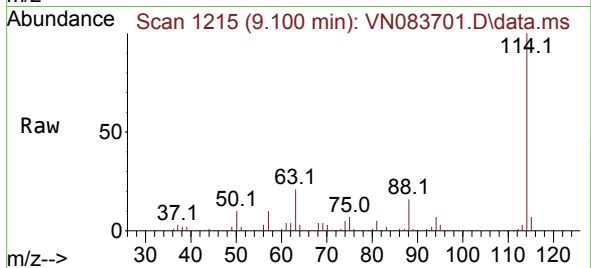
Tgt Ion:114 Resp: 164104

Ion Ratio Lower Upper

114 100

63 22.2 15.9 23.9

88 16.9 12.7 19.1



#36

1,2-Dichloroethane

Concen: 2.140 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.429 min

Lab File: VN083701.D

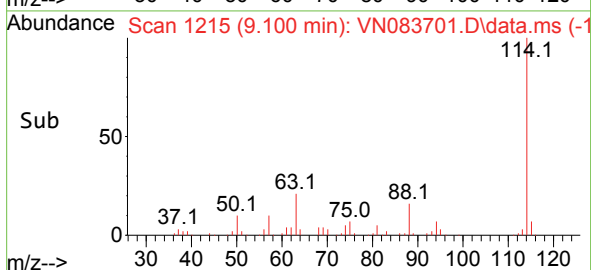
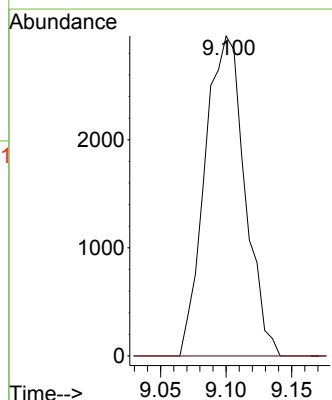
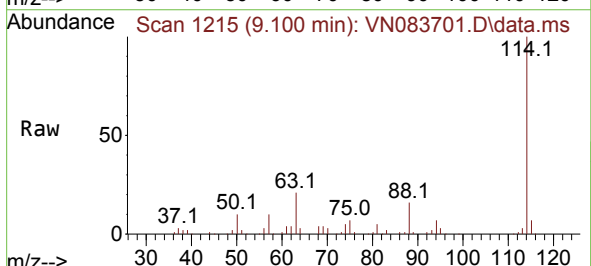
Acq: 06 Sep 2024 17:12

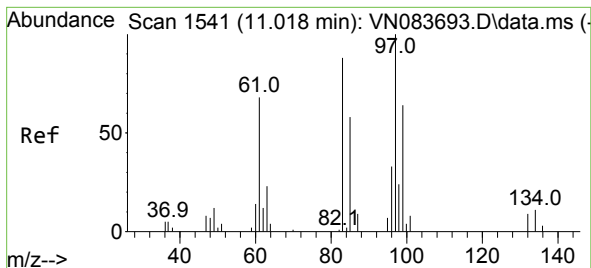
Tgt Ion: 62 Resp: 6284

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#





#50

1,1,2-Trichloroethane

Concen: 3.478 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.447 min

Lab File: VN083701.D

Acq: 06 Sep 2024 17:12

Instrument :

MSVOA_N

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OUTFALL-DSN-002

Tgt Ion: 97 Resp: 6083

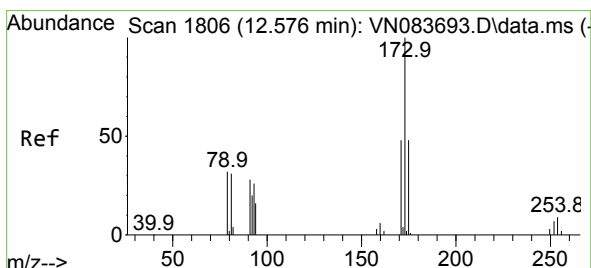
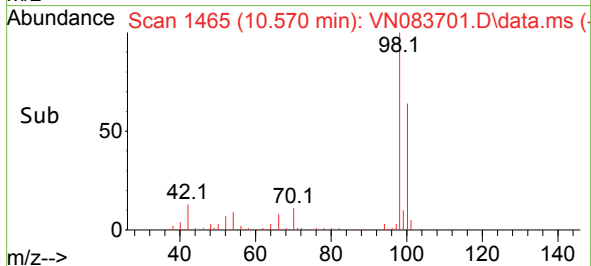
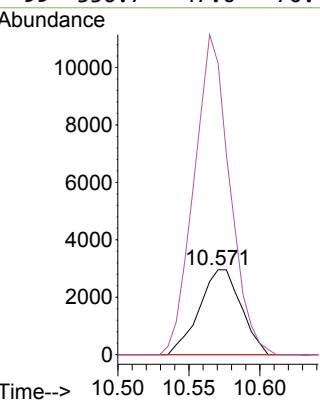
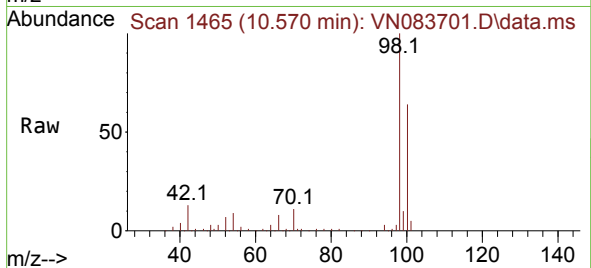
Ion Ratio Lower Upper

97 100

83 0.0 68.1 102.1#

85 0.0 41.8 62.6#

99 336.7 47.0 70.4#



#56

Bromoform

Concen: 0.233 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.276 min

Lab File: VN083701.D

Acq: 06 Sep 2024 17:12

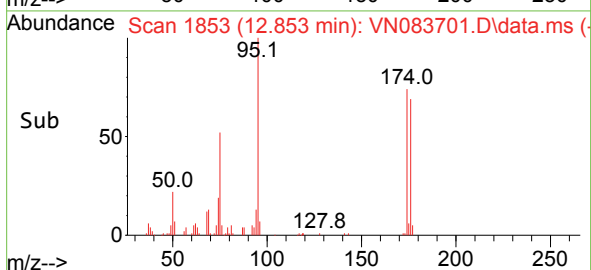
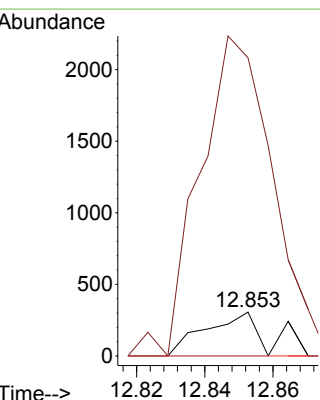
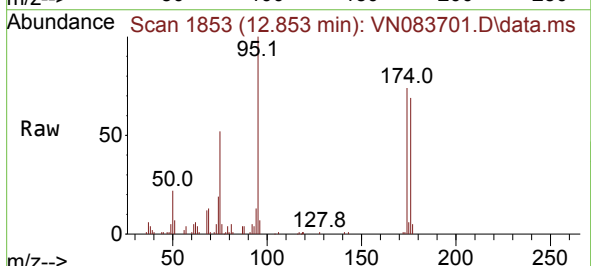
Tgt Ion:173 Resp: 311

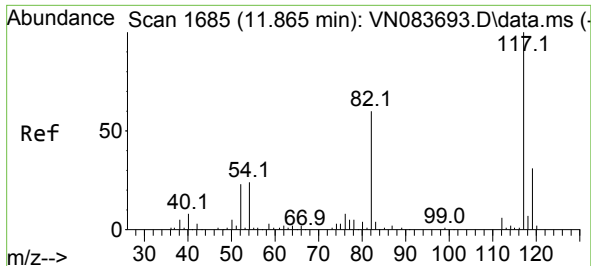
Ion Ratio Lower Upper

173 100

175 1053.1 40.0 60.0#

254 0.0 8.3 12.5#

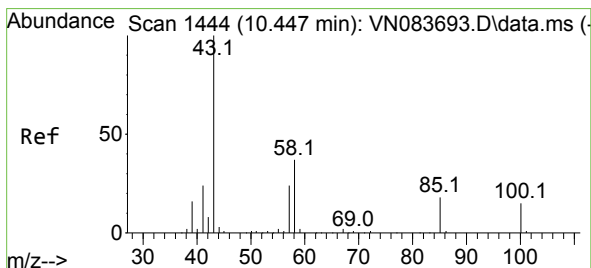
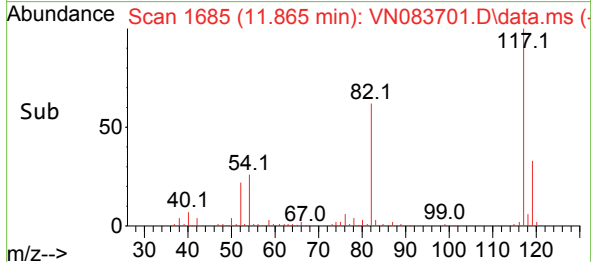
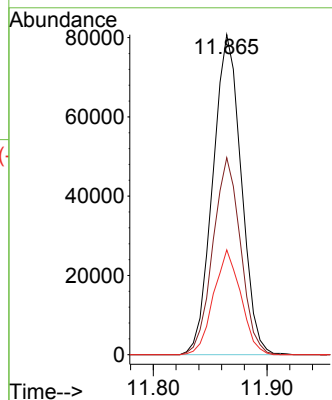
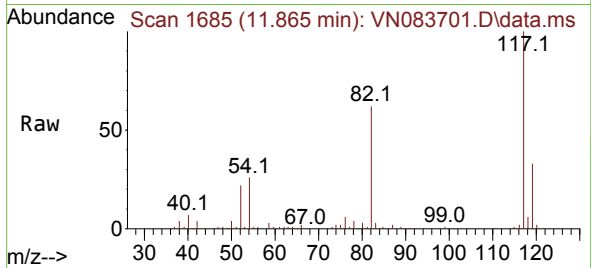




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083701.D
Acq: 06 Sep 2024 17:12

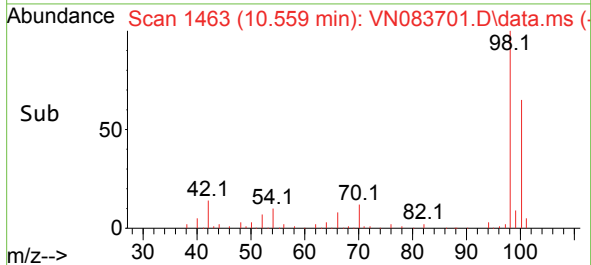
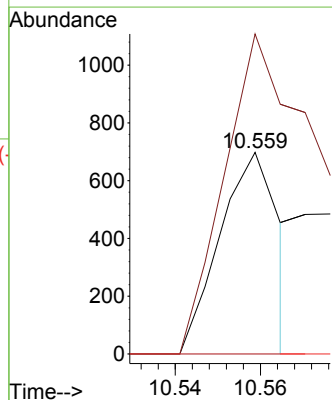
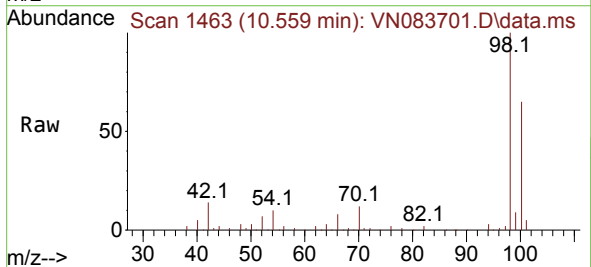
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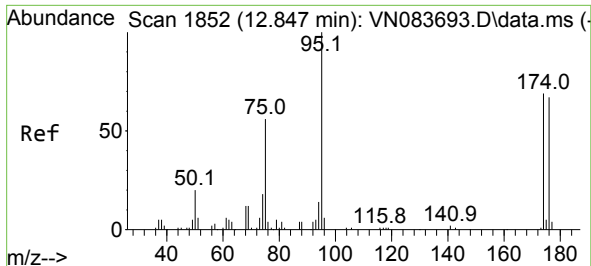
Tgt Ion:117 Resp: 140461
Ion Ratio Lower Upper
117 100
82 59.9 46.6 69.8
119 31.5 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.305 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.112 min
Lab File: VN083701.D
Acq: 06 Sep 2024 17:12

Tgt Ion: 43 Resp: 679
Ion Ratio Lower Upper
43 100
58 259.2 36.5 54.7#
85 0.0 19.5 29.3#

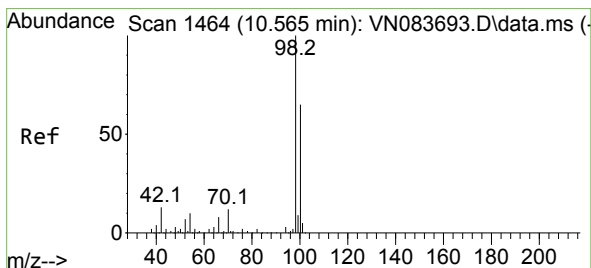
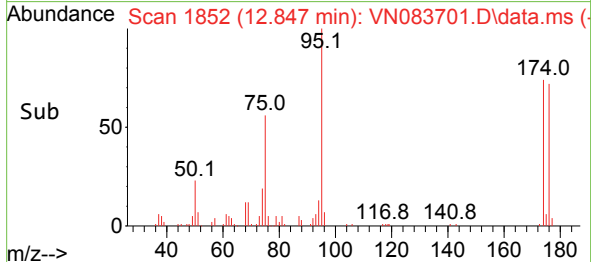
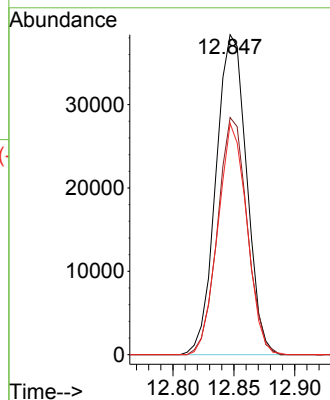
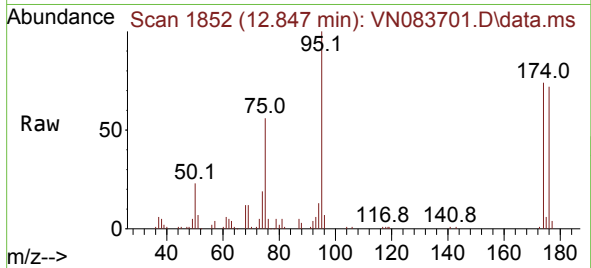




#60
4-Bromofluorobenzene
Concen: 27.756 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083701.D
Acq: 06 Sep 2024 17:12

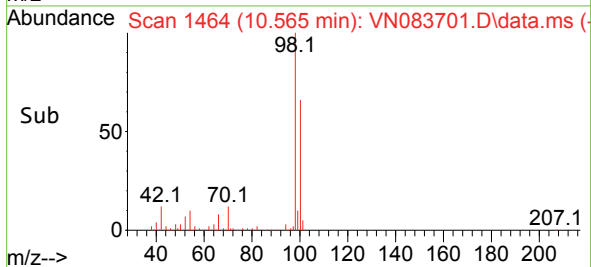
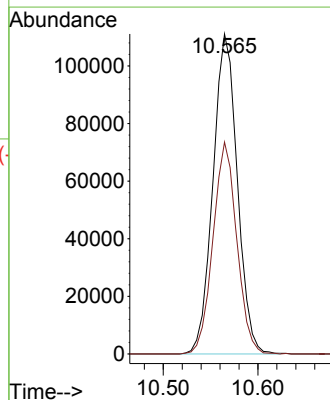
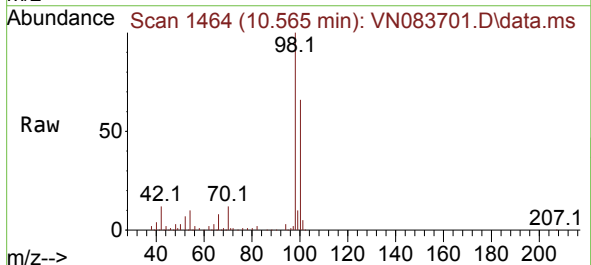
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002

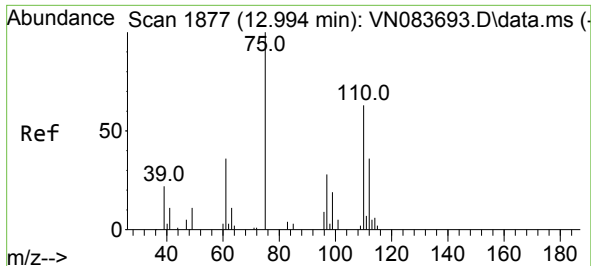
Tgt Ion: 95 Resp: 67192
Ion Ratio Lower Upper
95 100
174 71.6 60.5 90.7
176 68.6 57.8 86.6



#63
Toluene-d8
Concen: 30.531 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083701.D
Acq: 06 Sep 2024 17:12

Tgt Ion: 98 Resp: 198570
Ion Ratio Lower Upper
98 100
100 64.5 52.7 79.1

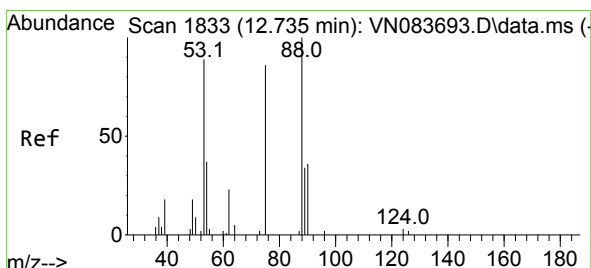
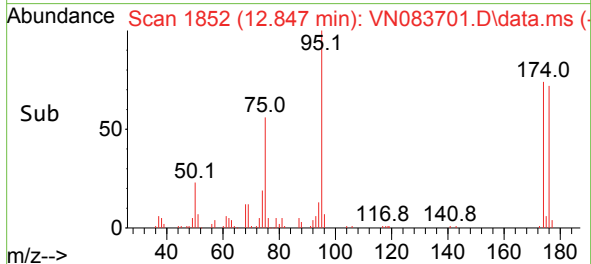
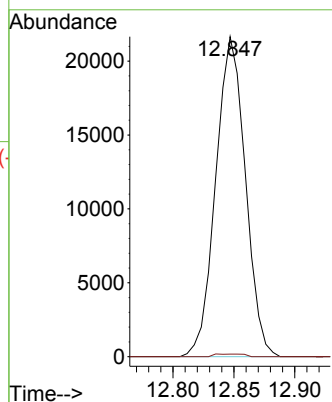
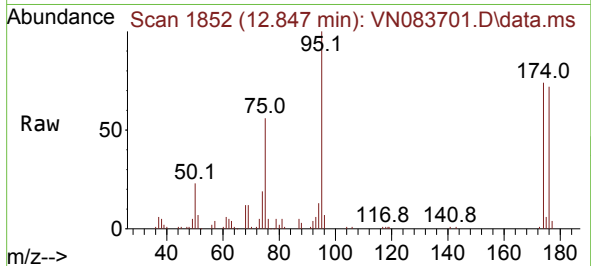




#72
1,2,3-Trichloropropane
Concen: 17.746 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083701.D
Acq: 06 Sep 2024 17:12

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002

Tgt Ion: 75 Resp: 36662
Ion Ratio Lower Upper
75 100
77 0.3 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 41.984 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083701.D
Acq: 06 Sep 2024 17:12

Tgt Ion: 75 Resp: 36662
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

