

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031524\
 Data File : VN081447.D
 Acq On : 16 Mar 2024 00:04
 Operator : JC\MD
 Sample : P1775-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 027-OUTFALL

Quant Time: Mar 16 01:34:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 03:12:57 2024
 Response via : Initial Calibration

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

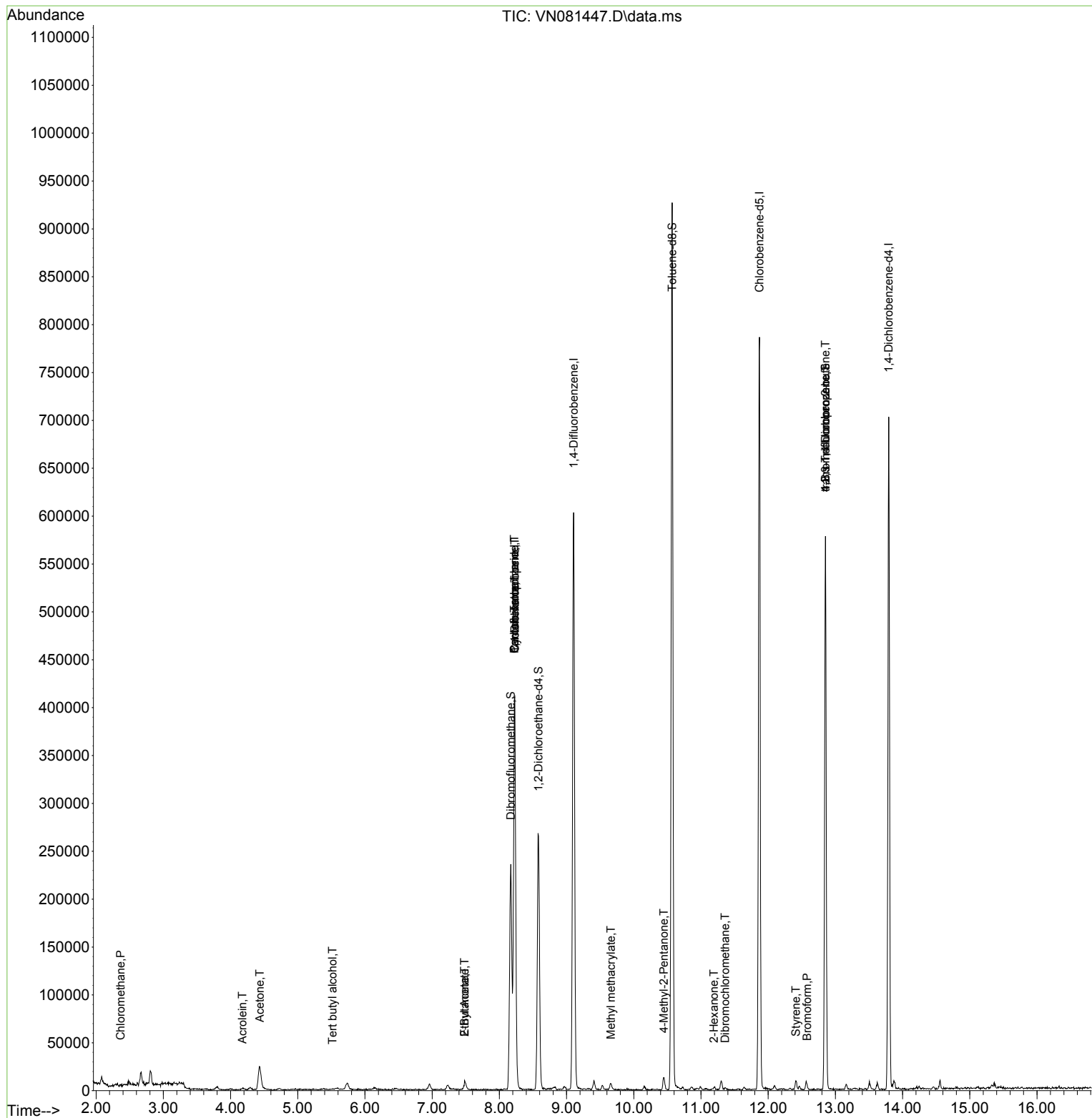
Internal Standards						
1) Pentafluorobenzene	8.224	168	271205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	509426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	435880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	166735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	220563	56.247	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.500%			
35) Dibromofluoromethane	8.171	113	163212	52.293	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.580%			
50) Toluene-d8	10.571	98	618286	52.993	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.980%			
62) 4-Bromofluorobenzene	12.853	95	187581	45.489	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 90.980%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1080	0.278	ug/l #	43
11) Tert butyl alcohol	5.518	59	654	0.954	ug/l	97
13) Acrolein	4.177	56	2144	2.641	ug/l #	55
16) Acetone	4.436	43	47965	34.523	ug/l	99
20) Methylene Chloride	5.412	84	60	Below Cal	#	4
25) 2-Butanone	7.483	43	12609	5.419	ug/l #	89
31) Cyclohexane	8.230	56	8061	1.358	ug/l #	29
36) 1,1-Dichloropropene	8.230	75	27433	5.448	ug/l #	49
37) Ethyl Acetate	7.483	43	12609	2.562	ug/l #	70
38) Carbon Tetrachloride	8.224	117	33195	6.550	ug/l #	20
48) Methyl methacrylate	9.659	41	2230	0.586	ug/l #	30
51) 4-Methyl-2-Pentanone	10.447	43	9446	1.888	ug/l	98
59) 2-Hexanone	11.194	43	2361	0.631	ug/l	77
60) Dibromochloromethane	11.359	129	1201	0.324	ug/l	98
70) Styrene	12.412	104	4951	0.518	ug/l #	82
71) Bromoform	12.582	173	1266	0.543	ug/l #	63
76) 1,2,3-Trichloropropane	12.853	75	106445	27.029	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	106445	75.432	ug/l #	14

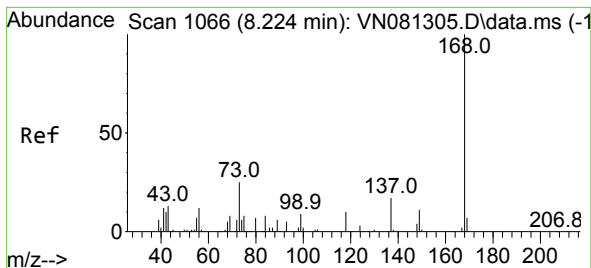
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081447.D

Acq: 16 Mar 2024 00:04

Instrument :

MSVOA_N

ClientSampleId :

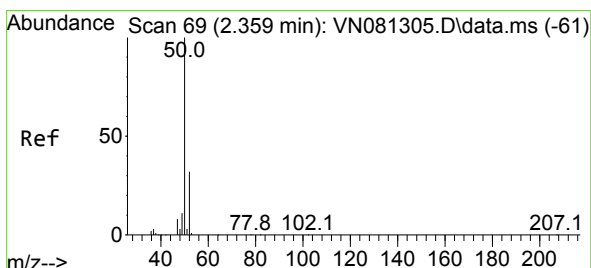
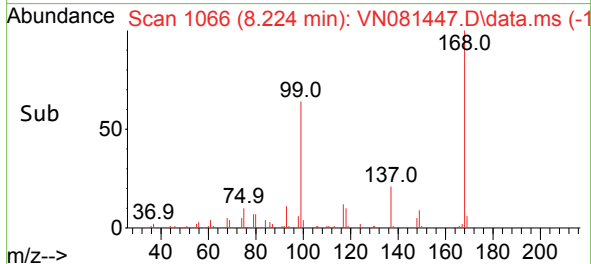
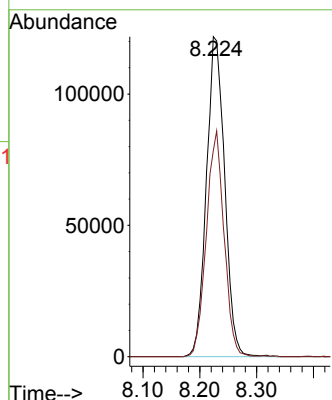
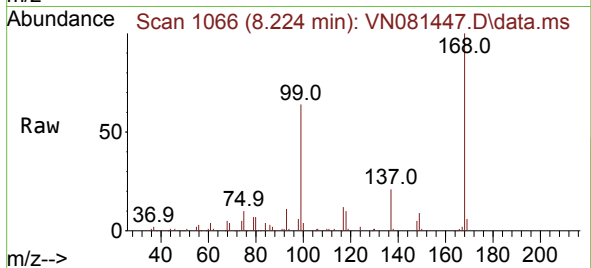
027-OUTFALL

Tgt Ion:168 Resp: 271205

Ion Ratio Lower Upper

168 100

99 64.4 59.9 89.9



#3

Chloromethane

Concen: 0.278 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN081447.D

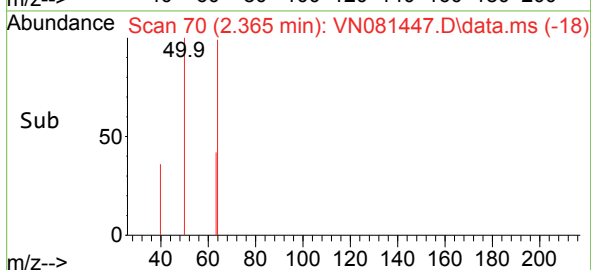
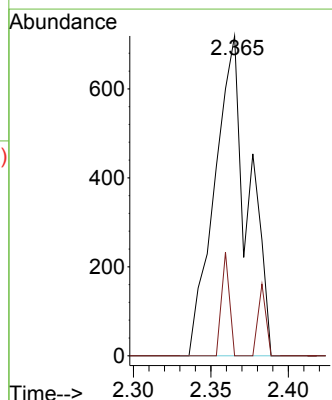
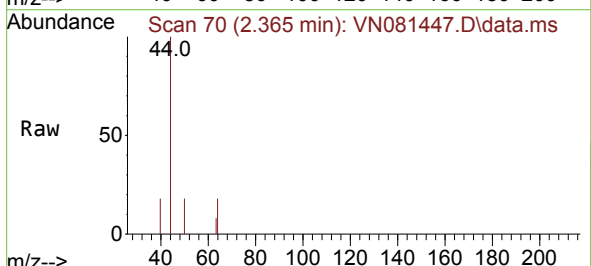
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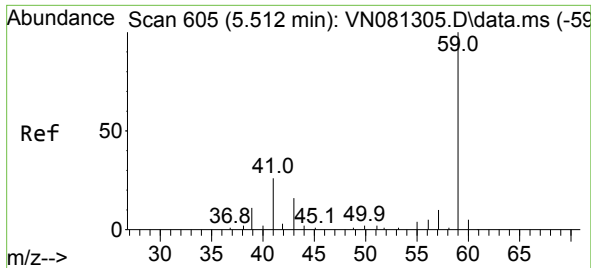
Tgt Ion: 50 Resp: 1080

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#

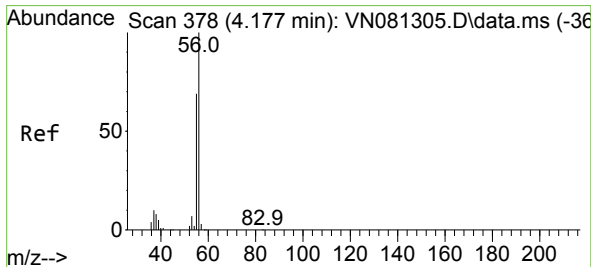
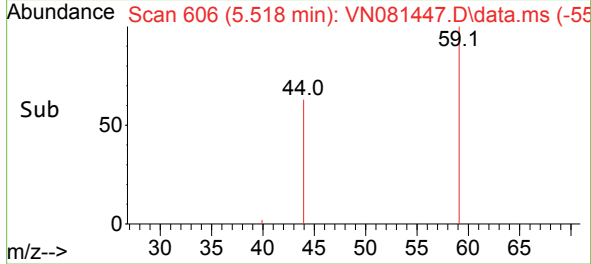
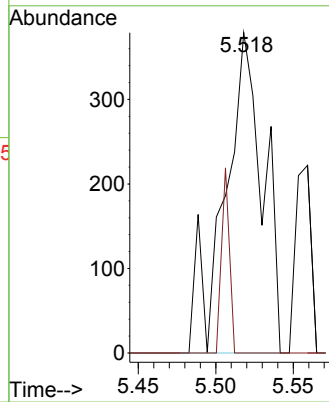
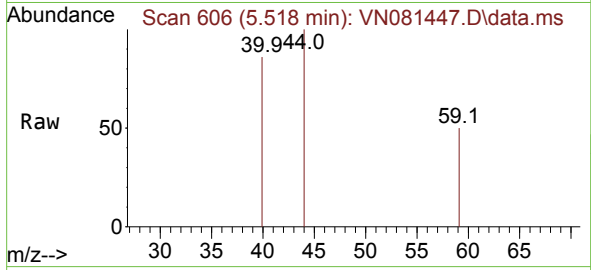




#11
Tert butyl alcohol
Concen: 0.954 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN081447.D
Acq: 16 Mar 2024 00:04

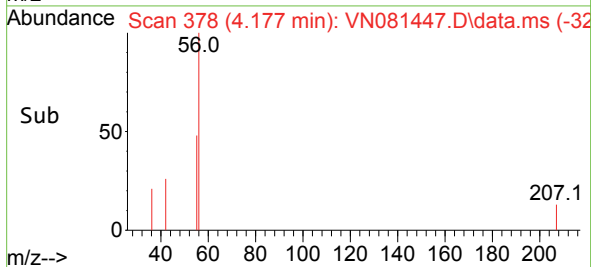
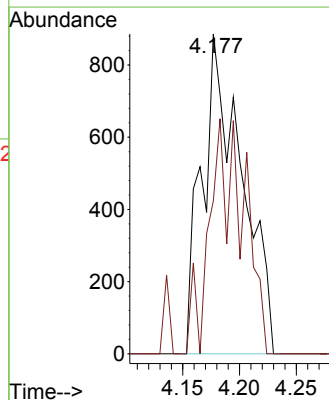
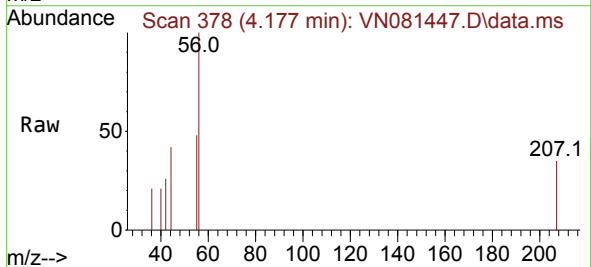
Instrument :
MSVOA_N
ClientSampleId :
027-OUTFALL

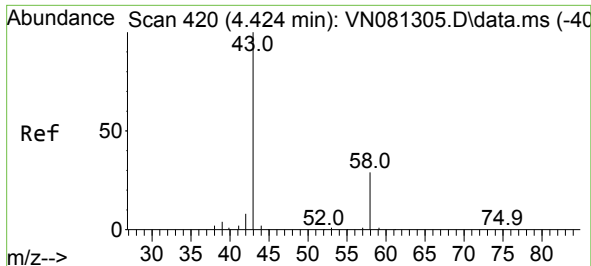
Tgt Ion: 59 Resp: 654
Ion Ratio Lower Upper
59 100
57 11.8 8.6 12.8



#13
Acrolein
Concen: 2.641 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN081447.D
Acq: 16 Mar 2024 00:04

Tgt Ion: 56 Resp: 2144
Ion Ratio Lower Upper
56 100
55 32.3 55.3 82.9#

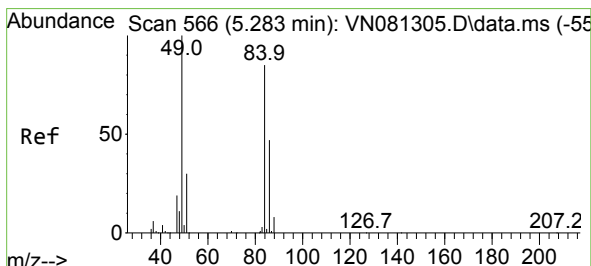
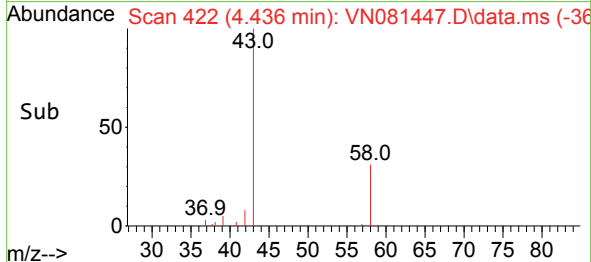
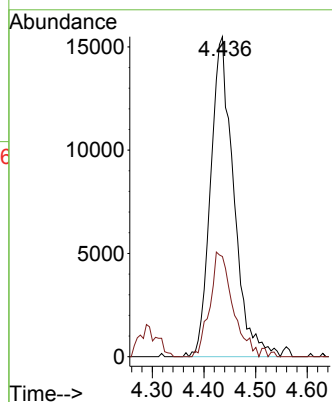
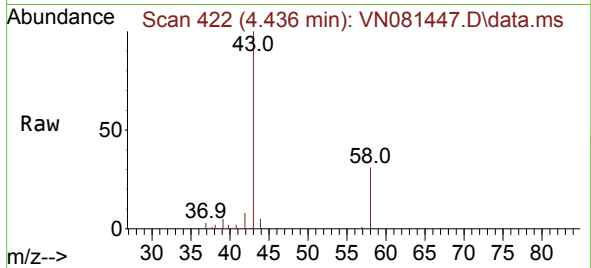




#16
Acetone
Concen: 34.523 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN081447.D
Acq: 16 Mar 2024 00:04

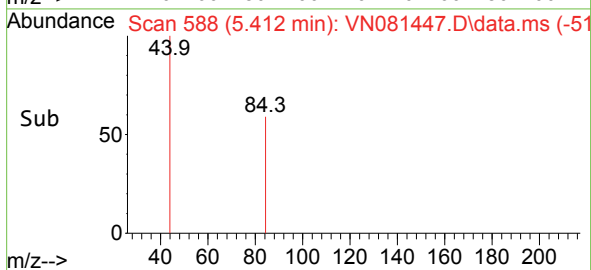
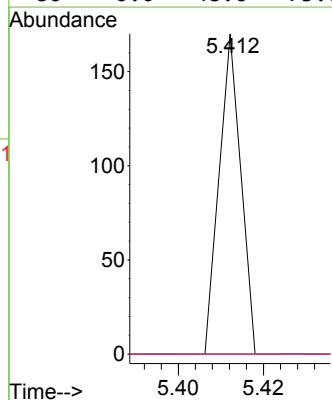
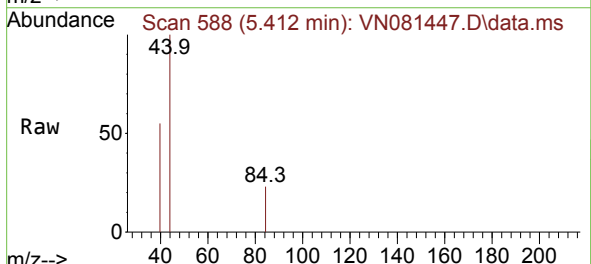
Instrument :
MSVOA_N
ClientSampleId :
027-OUTFALL

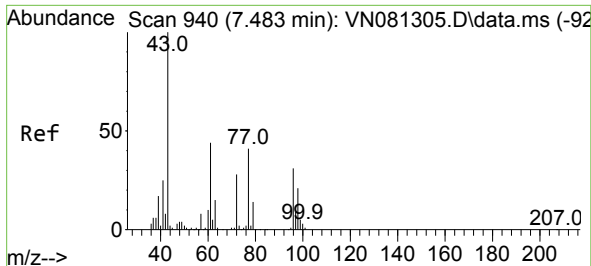
Tgt Ion: 43 Resp: 47965
Ion Ratio Lower Upper
43 100
58 31.3 24.8 37.2



#20
Methylene Chloride
Concen: Below Cal
RT: 5.412 min Scan# 588
Delta R.T. 0.129 min
Lab File: VN081447.D
Acq: 16 Mar 2024 00:04

Tgt Ion: 84 Resp: 60
Ion Ratio Lower Upper
84 100
49 0.0 108.1 162.1#
51 0.0 32.9 49.3#
86 0.0 48.6 73.0#

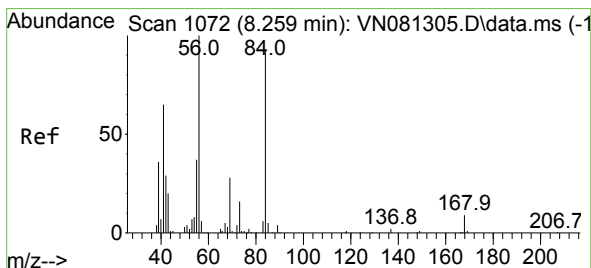
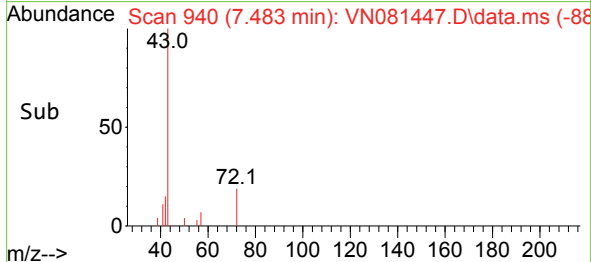
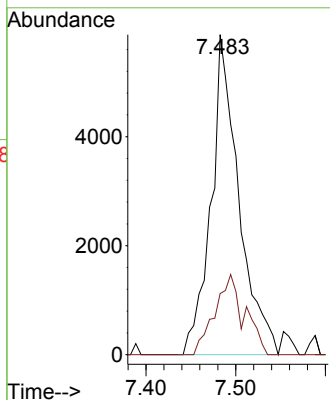
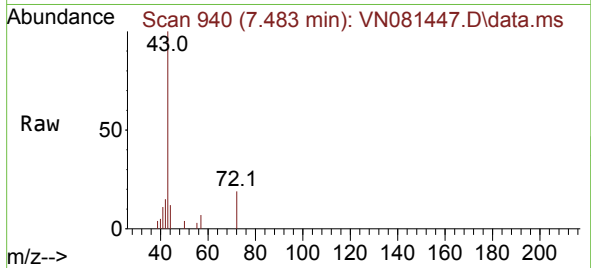




#25
2-Butanone
Concen: 5.419 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN081447.D
Acq: 16 Mar 2024 00:04

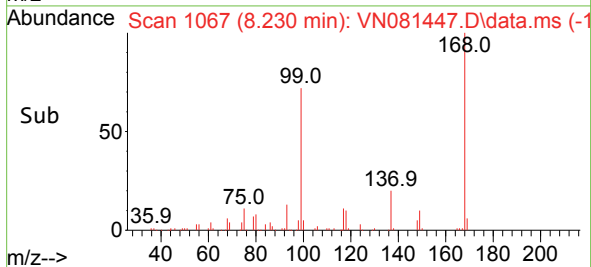
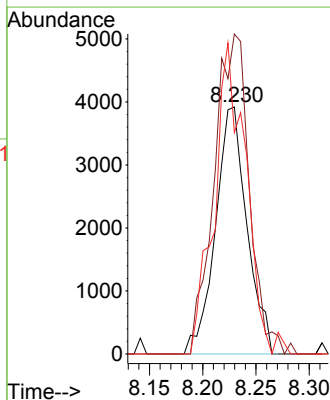
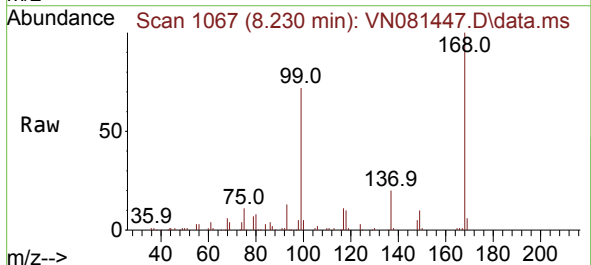
Instrument :
MSVOA_N
ClientSampleId :
027-OUTFALL

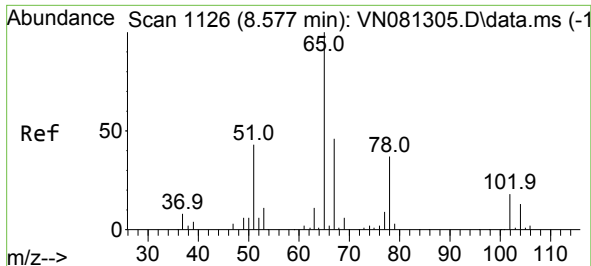
Tgt Ion: 43 Resp: 12609
Ion Ratio Lower Upper
43 100
72 19.1 19.5 29.3#



#31
Cyclohexane
Concen: 1.358 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081447.D
Acq: 16 Mar 2024 00:04

Tgt Ion: 56 Resp: 8061
Ion Ratio Lower Upper
56 100
69 129.6 20.1 30.1#
84 89.6 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 56.247 ug/l

RT: 8.583 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081447.D

Acq: 16 Mar 2024 00:04

Instrument :

MSVOA_N

ClientSampleId :

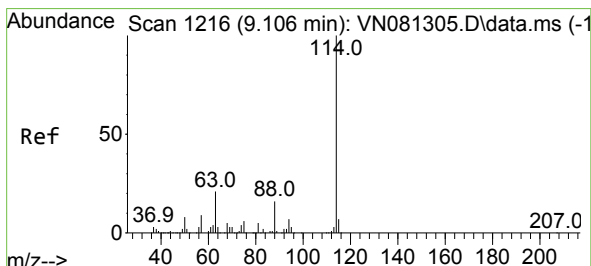
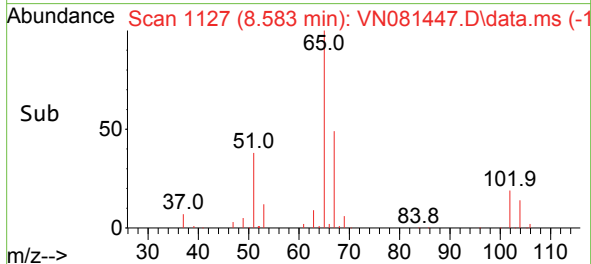
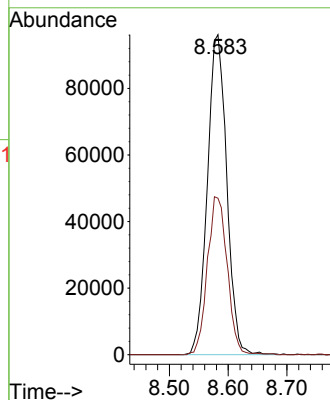
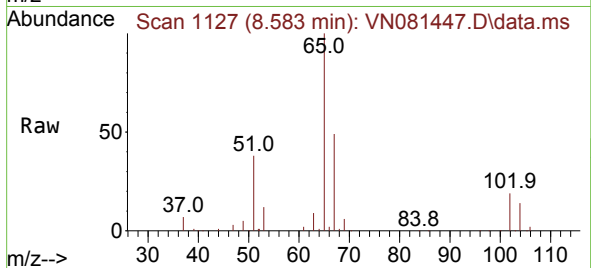
027-OUTFALL

Tgt Ion: 65 Resp: 220563

Ion Ratio Lower Upper

65 100

67 50.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN081447.D

Acq: 16 Mar 2024 00:04

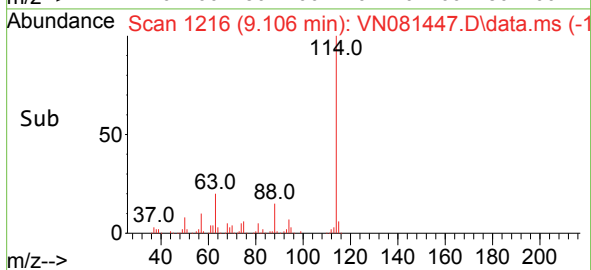
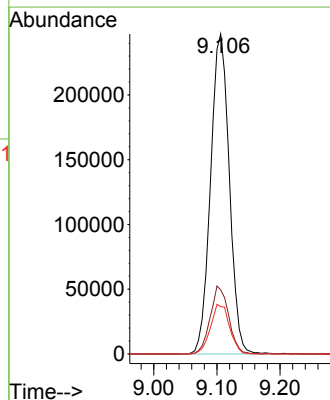
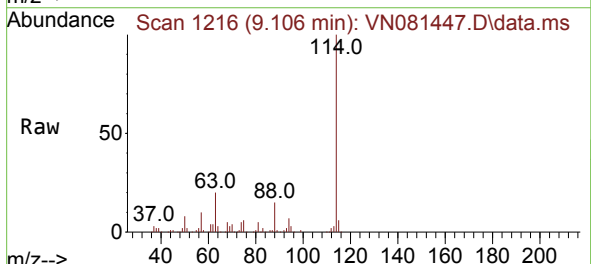
Tgt Ion: 114 Resp: 509426

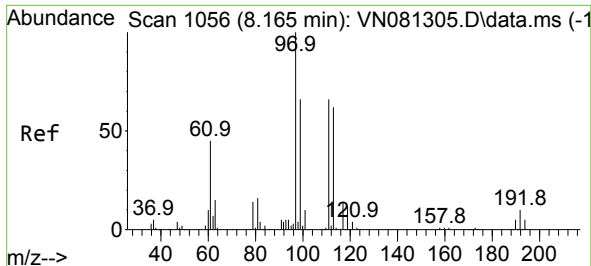
Ion Ratio Lower Upper

114 100

63 20.0 0.0 48.0

88 14.8 0.0 34.8

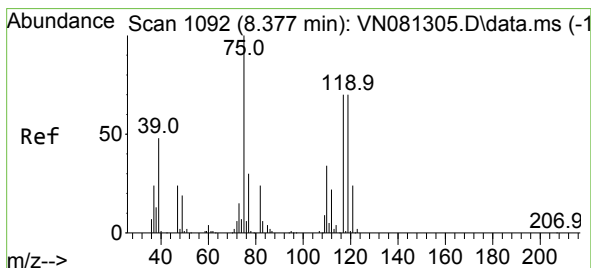
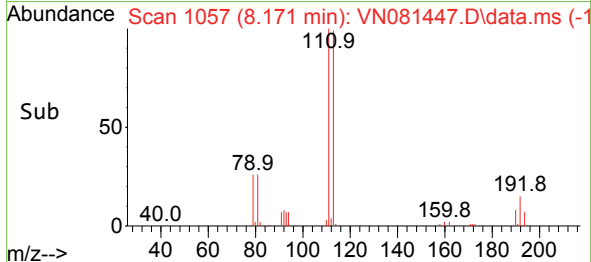
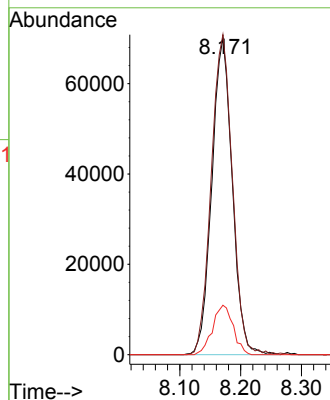
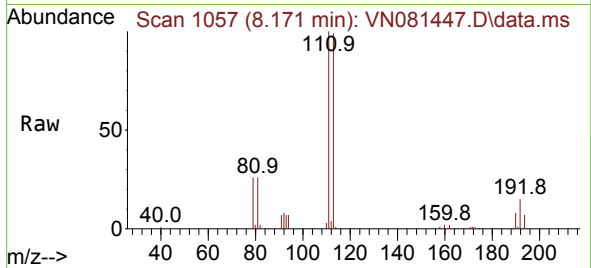




#35
Dibromofluoromethane
Concen: 52.293 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN081447.D
Acq: 16 Mar 2024 00:04

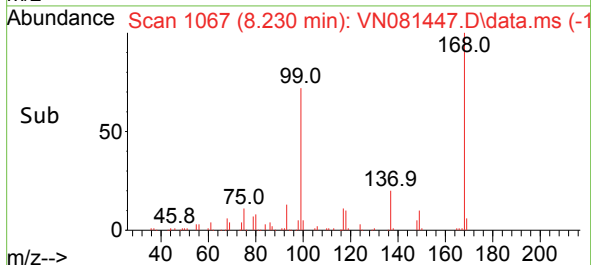
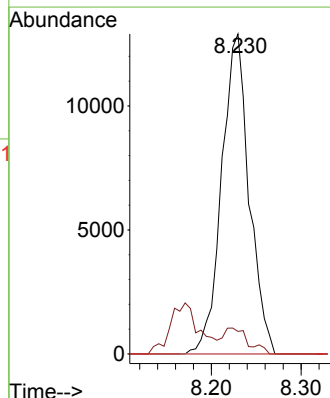
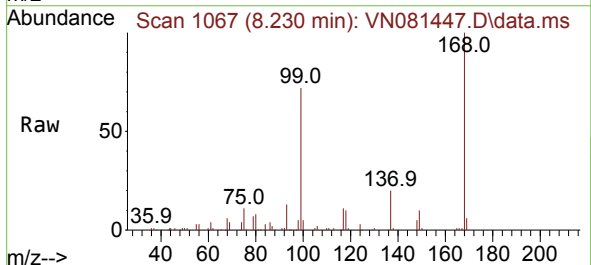
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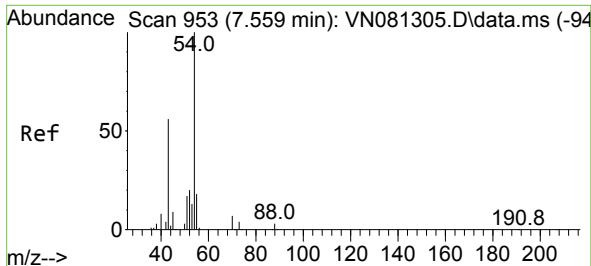
Tgt Ion:113 Resp: 163212
Ion Ratio Lower Upper
113 100
111 104.6 82.2 123.4
192 15.8 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.448 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN081447.D
Acq: 16 Mar 2024 00:04

Tgt Ion: 75 Resp: 27433
Ion Ratio Lower Upper
75 100
110 7.4 16.0 48.0#
77 0.0 25.8 38.6#





#37

Ethyl Acetate

Concen: 2.562 ug/l

RT: 7.483 min Scan# 94

Delta R.T. -0.076 min

Lab File: VN081447.D

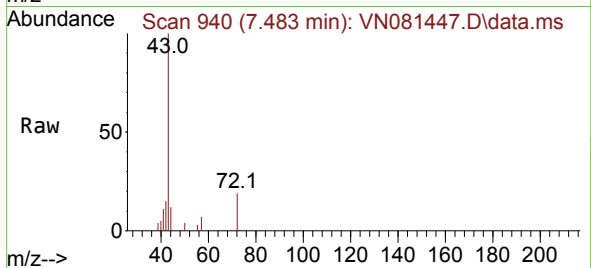
Acq: 16 Mar 2024 00:04

Instrument :

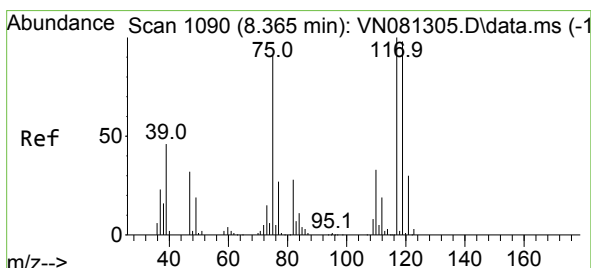
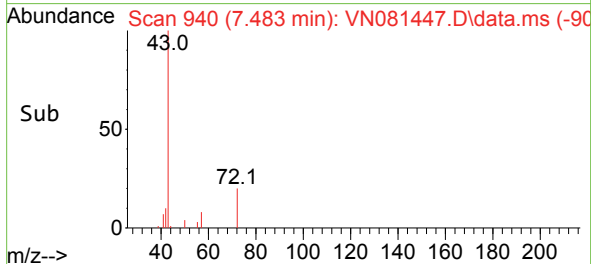
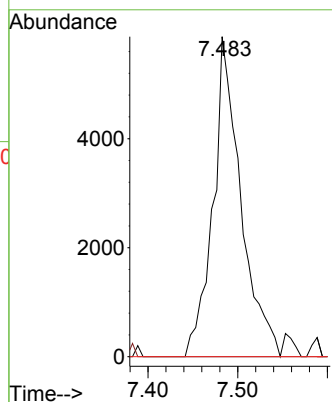
MSVOA_N

ClientSampleId :

027-OUTFALL



Tgt Ion:	43	Resp:	12609
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	15.8#
70	0.0	8.0	12.0#



#38

Carbon Tetrachloride

Concen: 6.550 ug/l

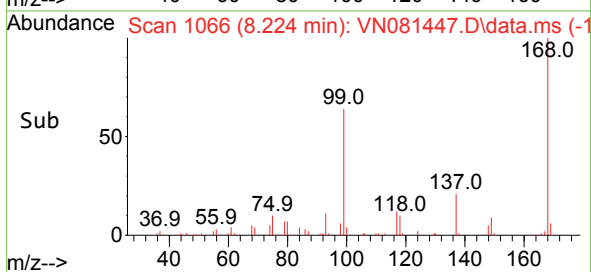
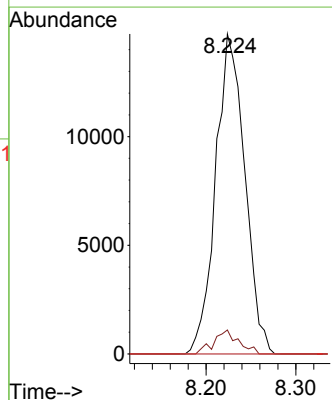
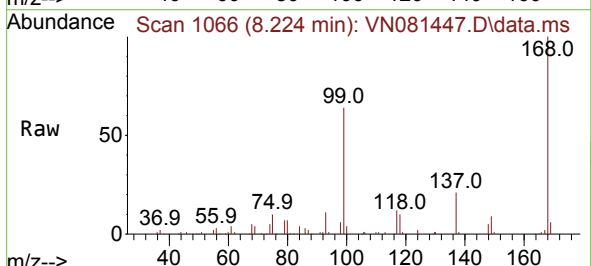
RT: 8.224 min Scan# 1066

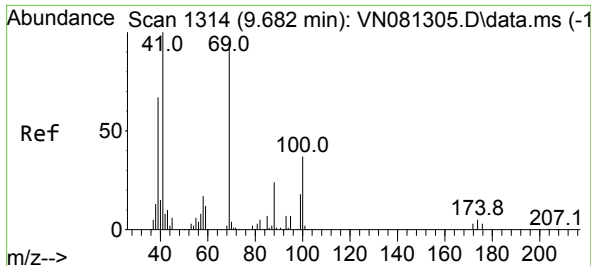
Delta R.T. -0.141 min

Lab File: VN081447.D

Acq: 16 Mar 2024 00:04

Tgt Ion:	117	Resp:	33195
Ion	Ratio	Lower	Upper
117	100		
119	7.5	73.4	110.2#
121	0.0	24.4	36.6#

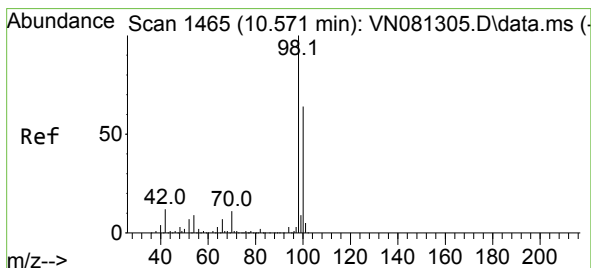
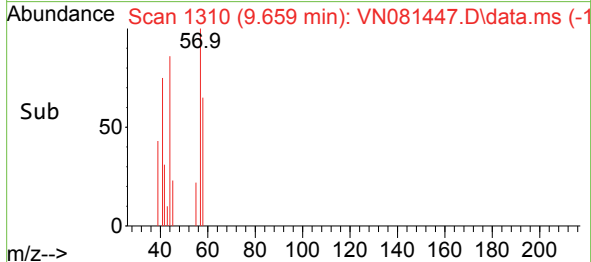
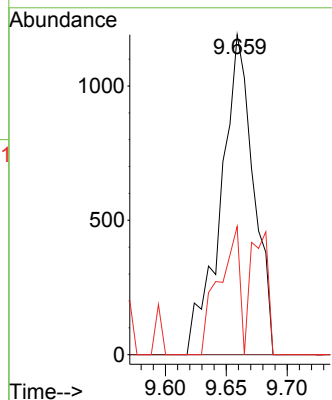
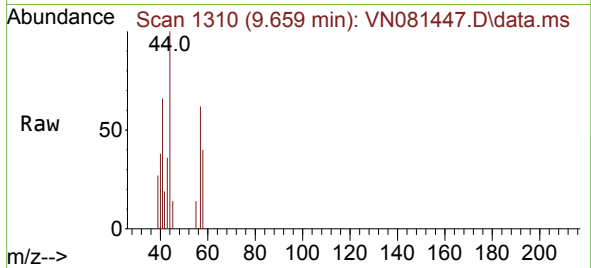




#48
Methyl methacrylate
Concen: 0.586 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN081447.D
Acq: 16 Mar 2024 00:04

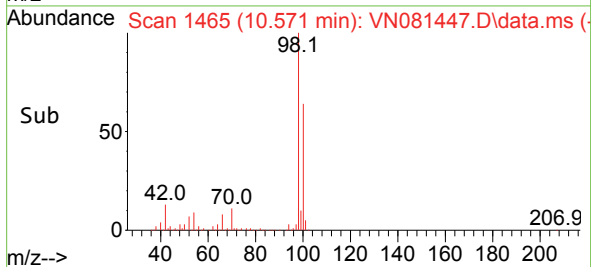
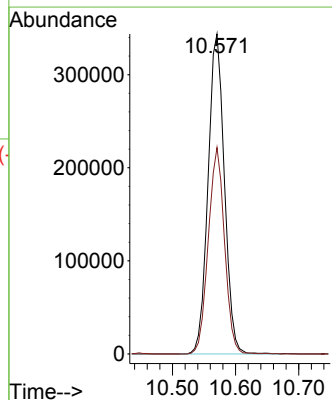
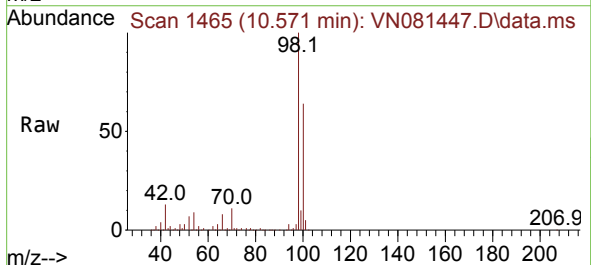
Instrument :
MSVOA_N
ClientSampleId :
027-OUTFALL

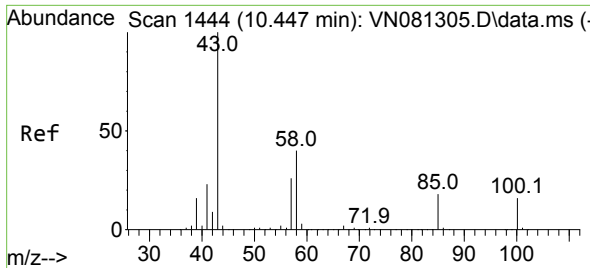
Tgt Ion: 41 Resp: 2230
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 25.7 47.6 71.4#



#50
Toluene-d8
Concen: 52.993 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081447.D
Acq: 16 Mar 2024 00:04

Tgt Ion: 98 Resp: 618286
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0

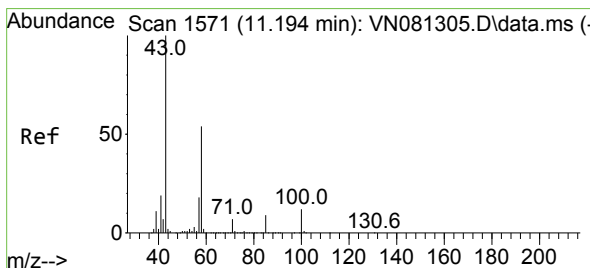
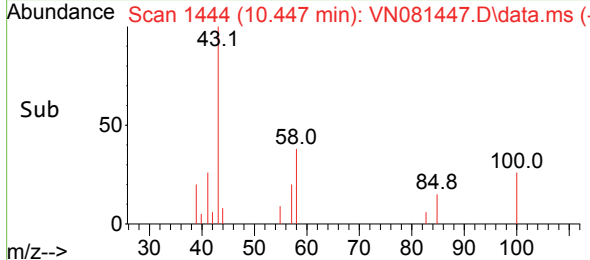
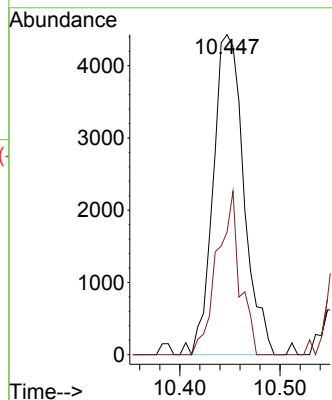
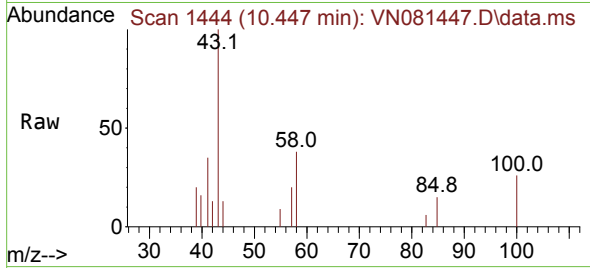




#51
4-Methyl-2-Pentanone
Concen: 1.888 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081447.D
Acq: 16 Mar 2024 00:04

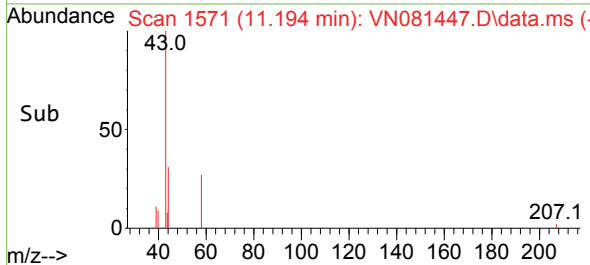
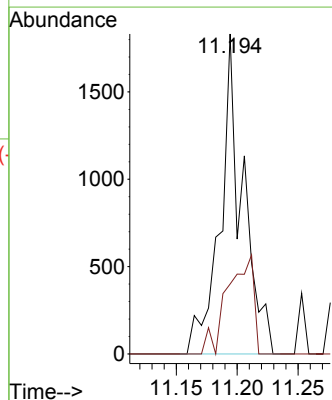
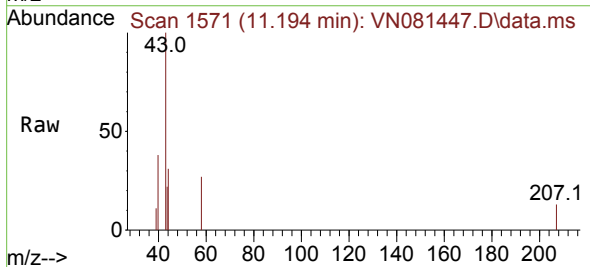
Instrument :
MSVOA_N
ClientSampleId :
027-OUTFALL

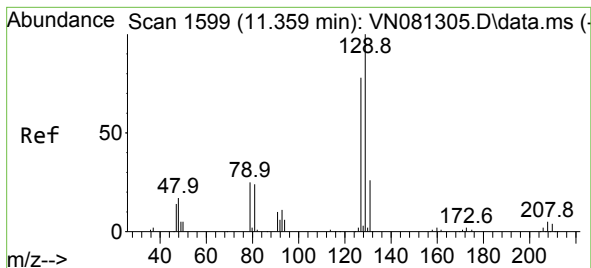
Tgt Ion: 43 Resp: 9446
Ion Ratio Lower Upper
43 100
58 37.8 29.4 44.0



#59
2-Hexanone
Concen: 0.631 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN081447.D
Acq: 16 Mar 2024 00:04

Tgt Ion: 43 Resp: 2361
Ion Ratio Lower Upper
43 100
58 35.5 25.9 77.8

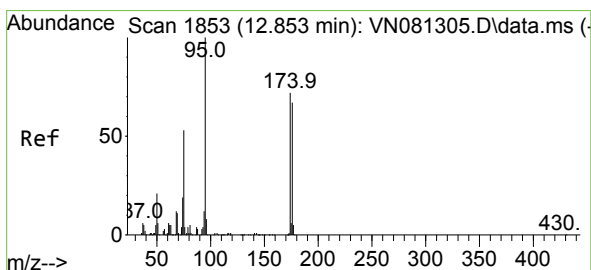
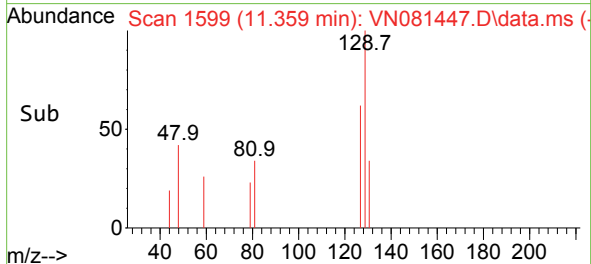
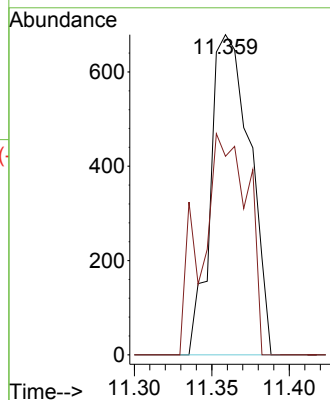
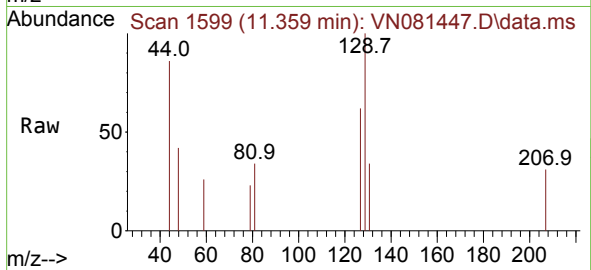




#60
Dibromochloromethane
Concen: 0.324 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN081447.D
Acq: 16 Mar 2024 00:04

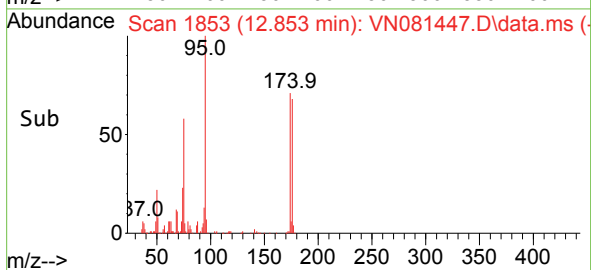
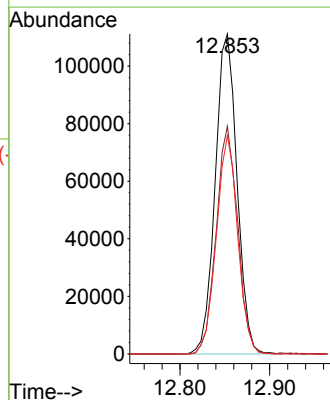
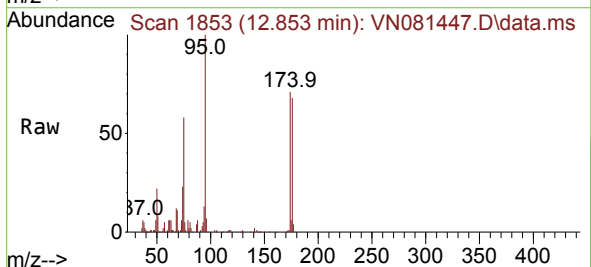
Instrument :
MSVOA_N
ClientSampleId :
027-OUTFALL

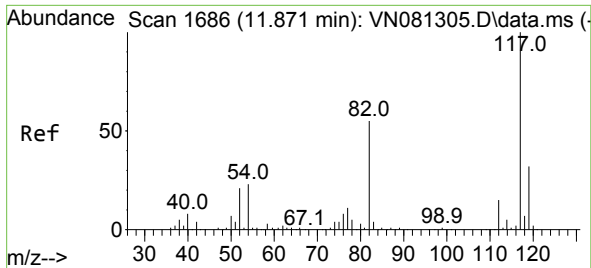
Tgt Ion:129 Resp: 1201
Ion Ratio Lower Upper
129 100
127 80.3 39.4 118.2



#62
4-Bromofluorobenzene
Concen: 45.489 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081447.D
Acq: 16 Mar 2024 00:04

Tgt Ion: 95 Resp: 187581
Ion Ratio Lower Upper
95 100
174 70.0 0.0 120.4
176 66.7 0.0 121.0

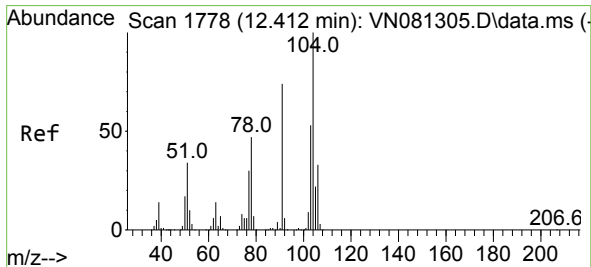
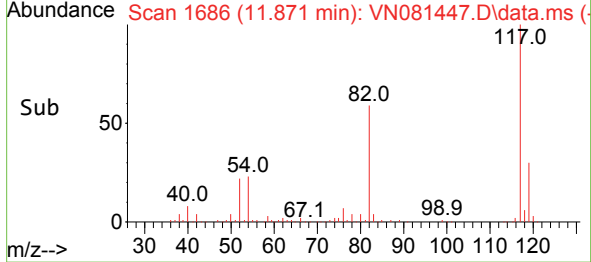
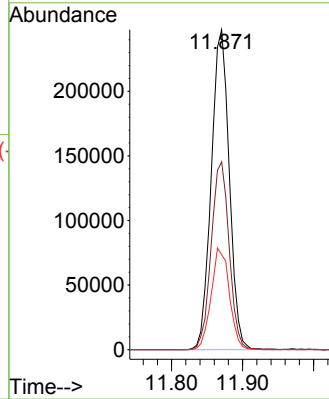
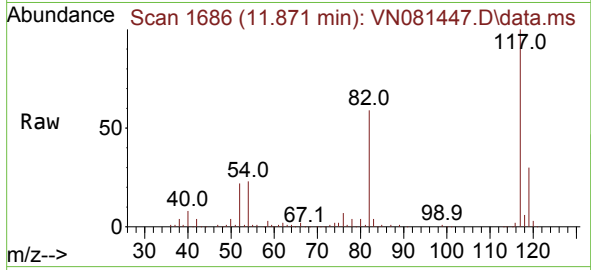




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081447.D
Acq: 16 Mar 2024 00:04

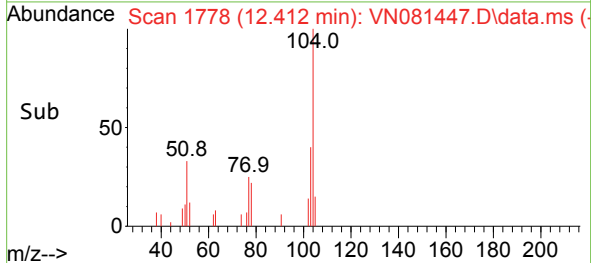
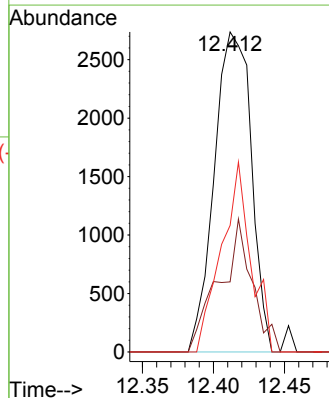
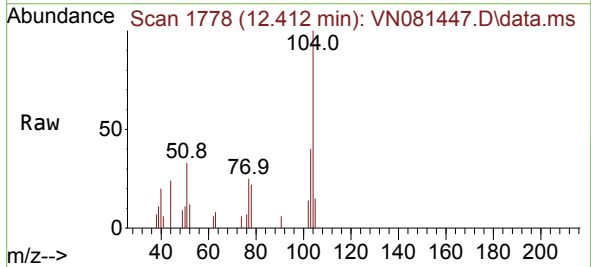
Instrument :
MSVOA_N
ClientSampleId :
027-OUTFALL

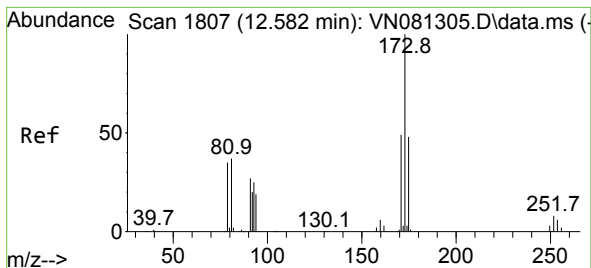
Tgt Ion:117 Resp: 435880
Ion Ratio Lower Upper
117 100
82 58.7 52.7 79.1
119 29.7 25.3 37.9



#70
Styrene
Concen: 0.518 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN081447.D
Acq: 16 Mar 2024 00:04

Tgt Ion:104 Resp: 4951
Ion Ratio Lower Upper
104 100
78 37.1 43.8 65.8#
103 47.4 44.2 66.2





#71

Bromoform

Concen: 0.543 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN081447.D

Acq: 16 Mar 2024 00:04

Instrument :

MSVOA_N

ClientSampleId :

027-OUTFALL

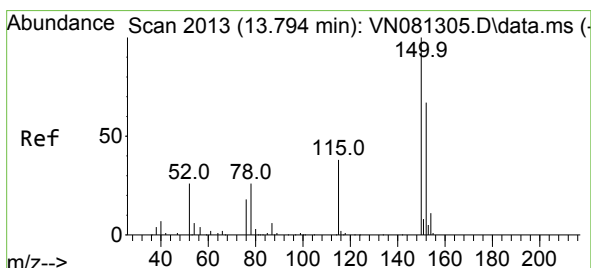
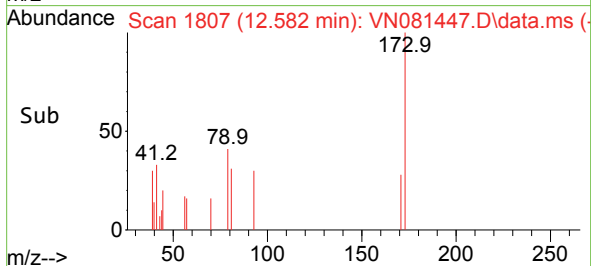
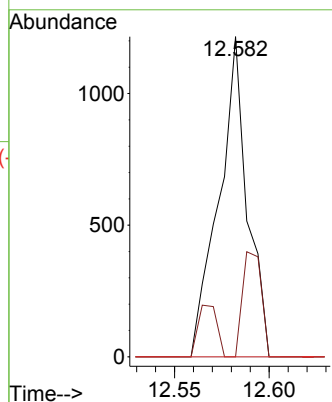
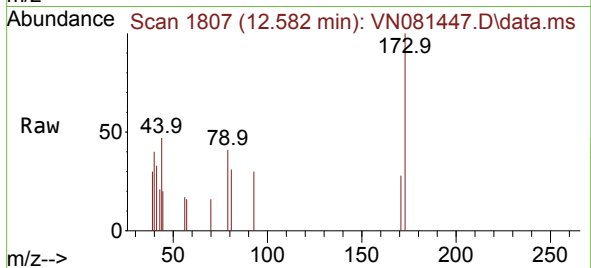
Tgt Ion:173 Resp: 1266

Ion Ratio Lower Upper

173 100

175 21.7 23.1 69.2#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081447.D

Acq: 16 Mar 2024 00:04

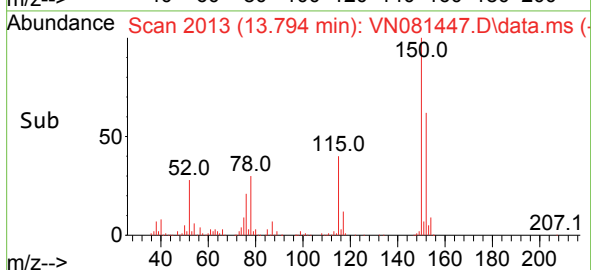
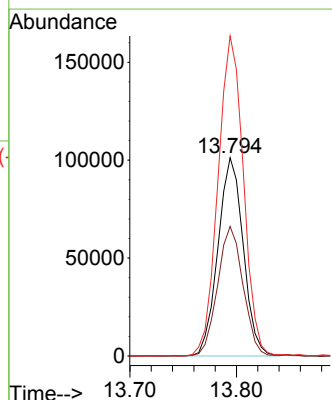
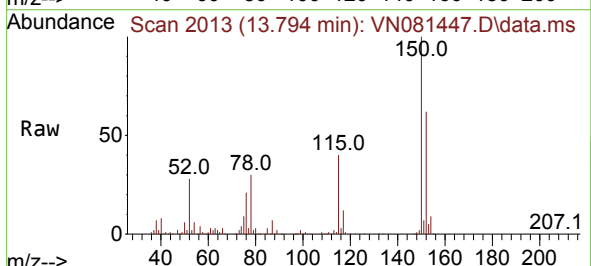
Tgt Ion:152 Resp: 166735

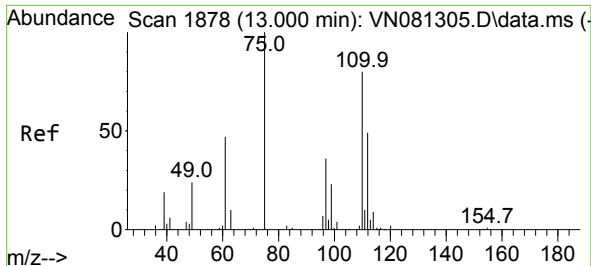
Ion Ratio Lower Upper

152 100

115 65.9 32.3 96.8

150 162.3 0.0 339.8

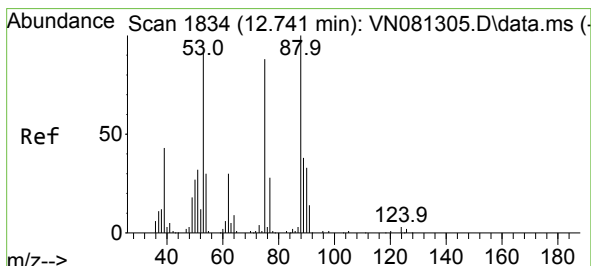
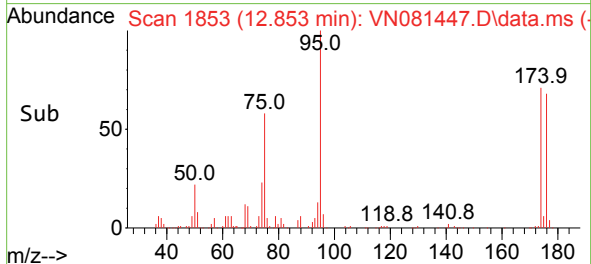
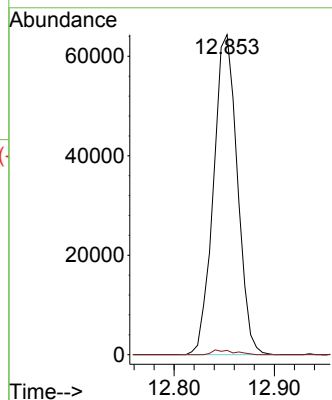
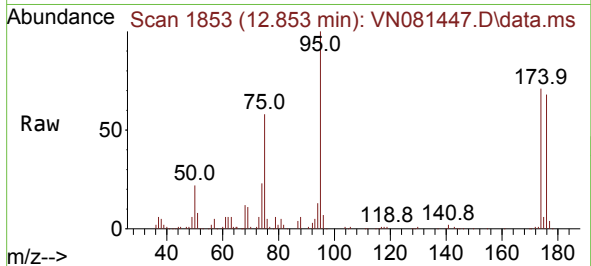




#76
1,2,3-Trichloropropane
Concen: 27.029 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN081447.D
Acq: 16 Mar 2024 00:04

Instrument :
MSVOA_N
ClientSampleId :
027-OUTFALL

Tgt Ion: 75 Resp: 106445
Ion Ratio Lower Upper
75 100
77 1.4 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.432 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081447.D
Acq: 16 Mar 2024 00:04

Tgt Ion: 75 Resp: 106445
Ion Ratio Lower Upper
75 100
53 0.3 71.4 107.2#
89 0.0 33.4 50.0#

