

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082021\
 Data File : VX023858.D
 Acq On : 19 Aug 2021 23:17
 Operator : JC/MD
 Sample : M3484-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 O22-OUTFALL

Quant Time: Aug 20 03:17:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

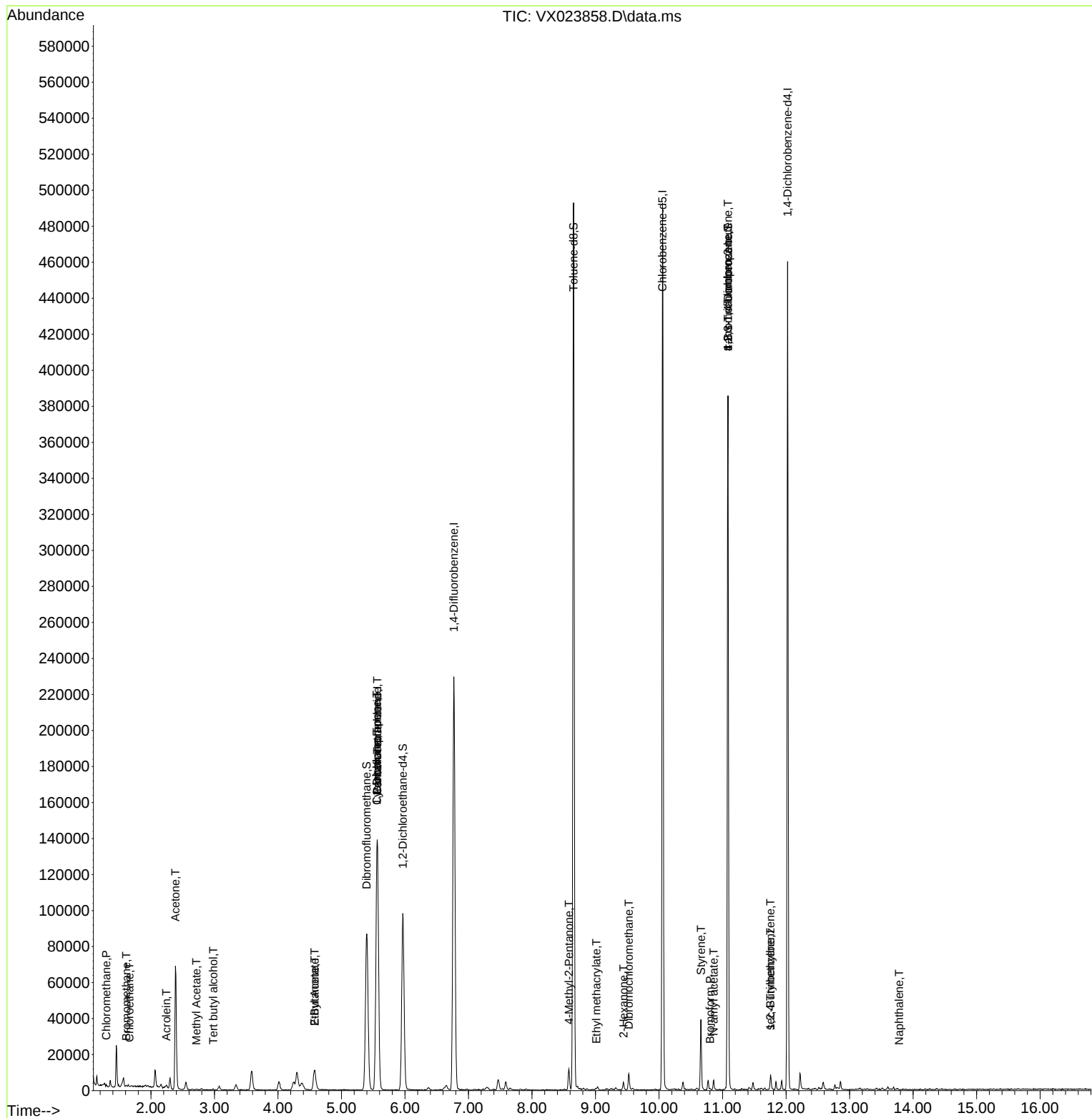
Internal Standards						
1) Pentafluorobenzene	5.562	168	132408	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	223313	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	95402	51.625	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.240%	
35) Dibromofluoromethane	5.397	113	74619	50.485	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.960%	
50) Toluene-d8	8.653	98	279864	49.749	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.500%	
62) 4-Bromofluorobenzene	11.085	95	96253	46.478	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.960%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	660	0.430	ug/l #	86
5) Bromomethane	1.611	94	396	0.421	ug/l #	43
6) Chloroethane	1.660	64	31	2.241	ug/l #	43
11) Tert butyl alcohol	2.983	59	488	1.306	ug/l #	73
13) Acrolein	2.239	56	1164	5.234	ug/l	85
16) Acetone	2.386	43	70623	85.470	ug/l	90
18) Methyl Acetate	2.715	43	586	0.284	ug/l #	55
25) 2-Butanone	4.574	43	20770	16.596	ug/l	93
31) Cyclohexane	5.556	56	3436	1.447	ug/l #	40
36) 1,1-Dichloropropene	5.556	75	10368	5.013	ug/l #	49
37) Ethyl Acetate	4.574	43	20770	8.170	ug/l #	65
38) Carbon Tetrachloride	5.562	117	14011	6.497	ug/l #	19
51) 4-Methyl-2-Pentanone	8.580	43	7288	2.835	ug/l #	85
56) Ethyl methacrylate	9.013	69	75	0.786	ug/l #	1
59) 2-Hexanone	9.439	43	2679	1.356	ug/l	81
60) Dibromochloromethane	9.525	129	541	1.978	ug/l	97
70) Styrene	10.659	104	14311	3.007	ug/l	92
71) Bromoform	10.805	173	265	2.128	ug/l #	29
74) N-amyl acetate	10.860	43	702	0.227	ug/l #	17
76) 1,2,3-Trichloropropane	11.085	75	51554	24.603	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	51554	72.370	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.756	105	2400	0.427	ug/l #	33
85) sec-Butylbenzene	11.756	105	2400	0.347	ug/l #	57
95) Naphthalene	13.780	128	44	1.289	ug/l #	45

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

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Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

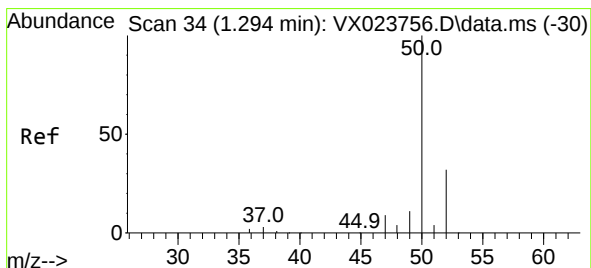
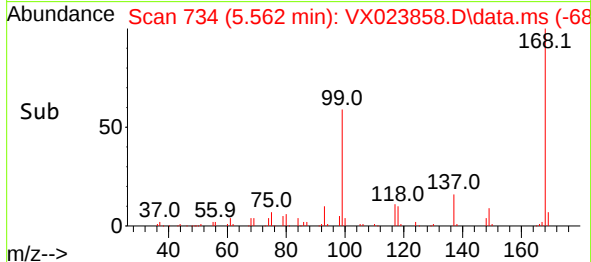
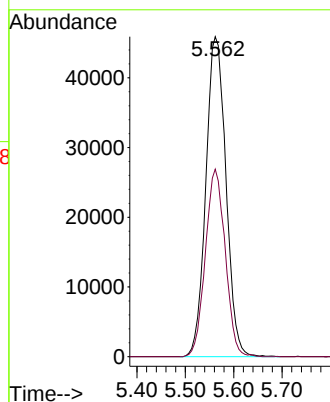
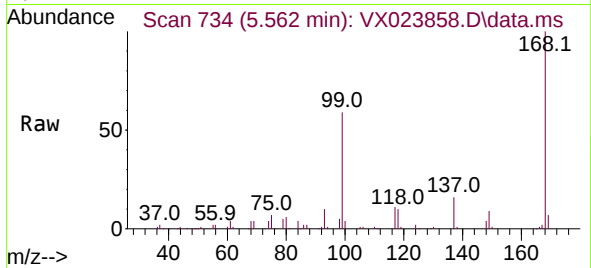




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

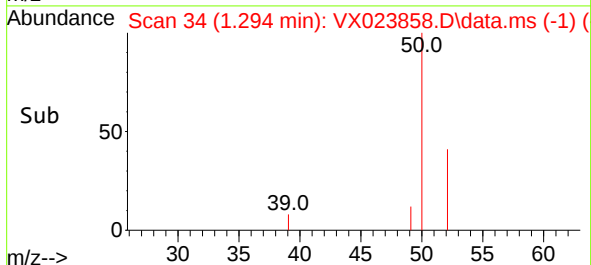
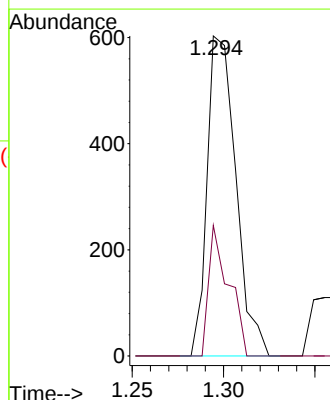
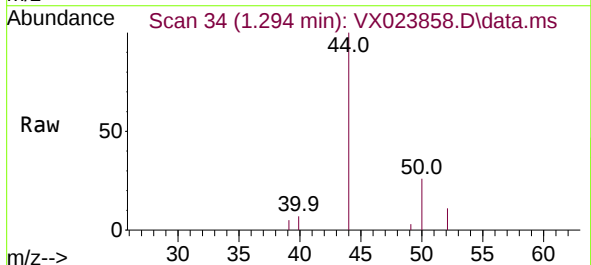
Instrument :
MSVOA_X
ClientSampleId :
O22-OUTFALL

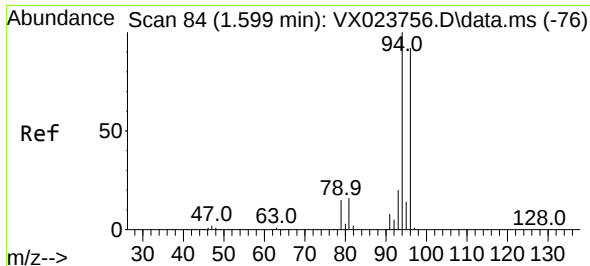
Tgt Ion:168 Resp: 132408
Ion Ratio Lower Upper
168 100
99 58.6 45.8 68.6



#3
Chloromethane
Concen: 0.430 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

Tgt Ion: 50 Resp: 660
Ion Ratio Lower Upper
50 100
52 40.8 26.4 39.6#

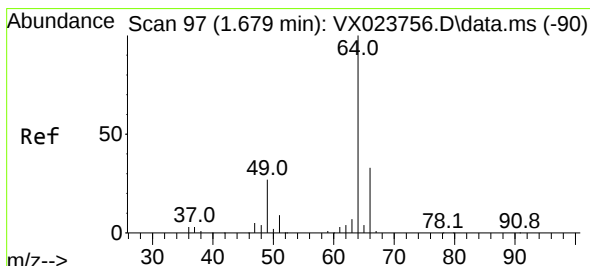
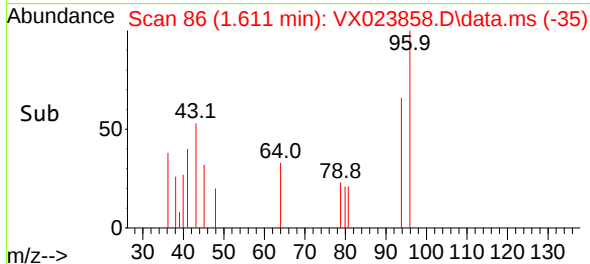
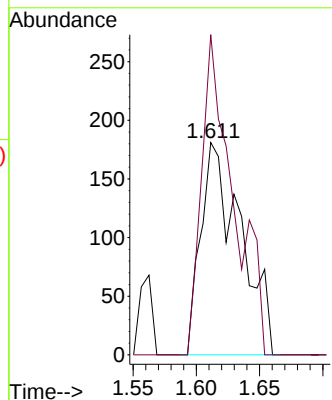
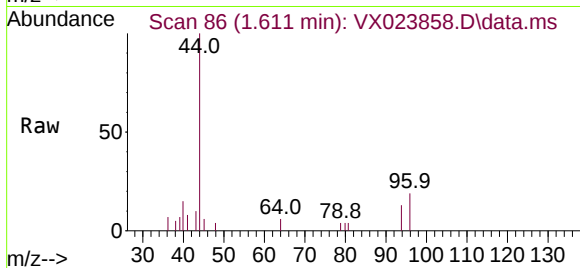




#5
Bromomethane
Concen: 0.421 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

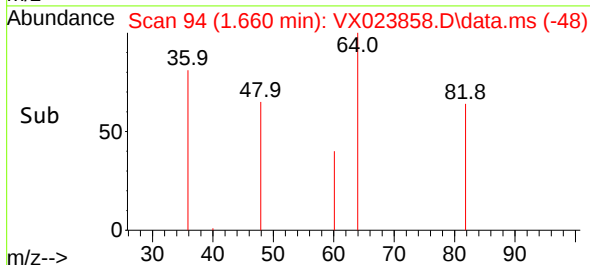
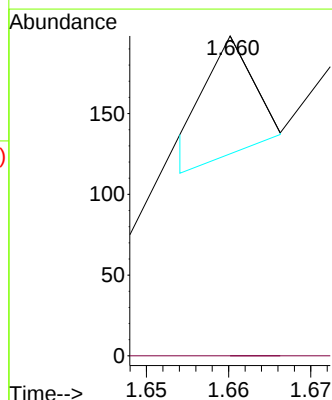
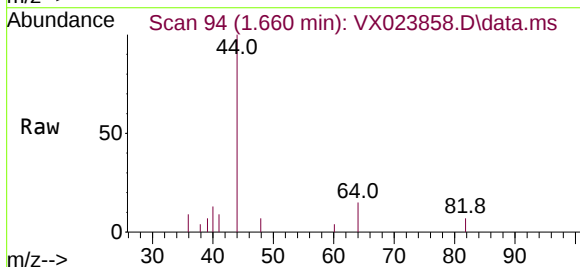
Instrument :
MSVOA_X
ClientSampleId :
O22-OUTFALL

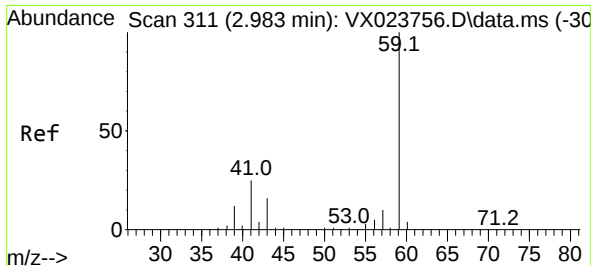
Tgt Ion: 94 Resp: 396
Ion Ratio Lower Upper
94 100
96 150.8 76.4 114.6#



#6
Chloroethane
Concen: 2.241 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.019 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

Tgt Ion: 64 Resp: 31
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



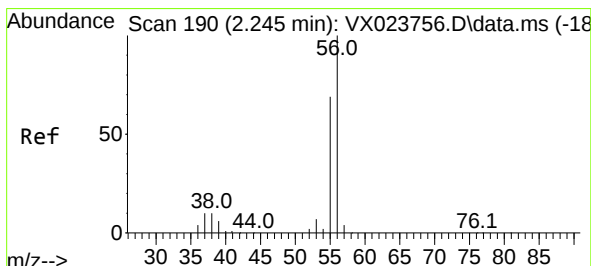
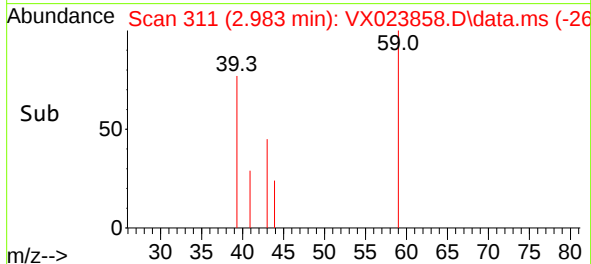
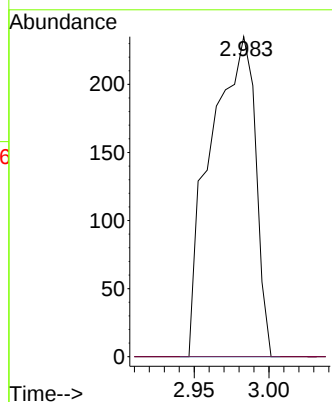
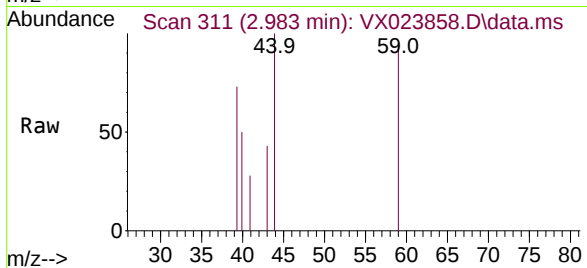


#11

Tert butyl alcohol
Concen: 1.306 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

Instrument :
MSVOA_X
ClientSampled :
O22-OUTFALL

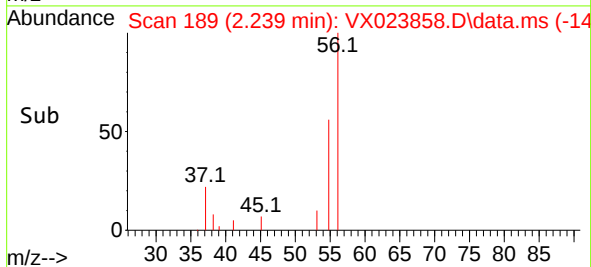
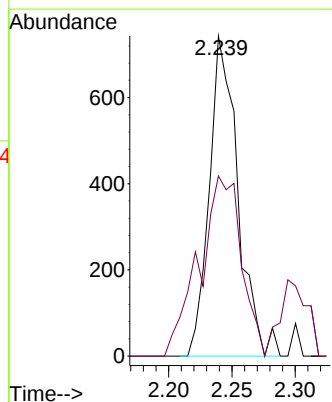
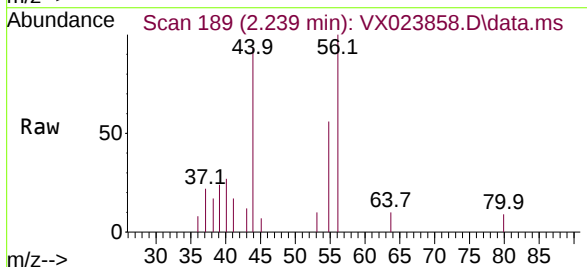
Tgt Ion: 59 Resp: 488
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

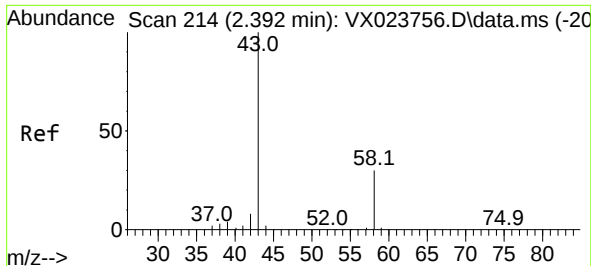


#13

Acrolein
Concen: 5.234 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

Tgt Ion: 56 Resp: 1164
Ion Ratio Lower Upper
56 100
55 82.8 56.4 84.6

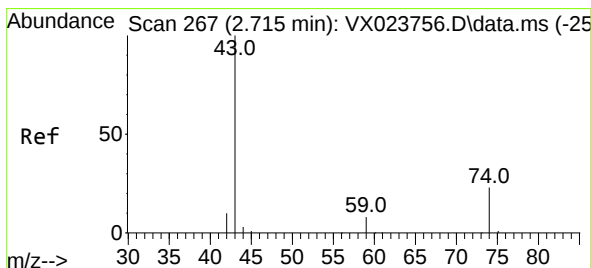
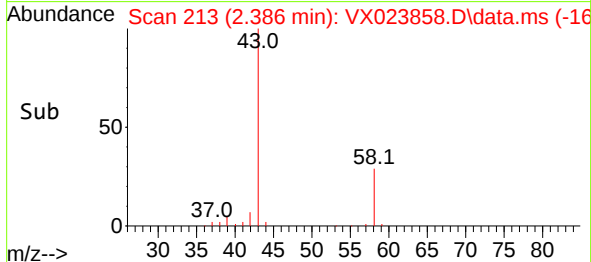
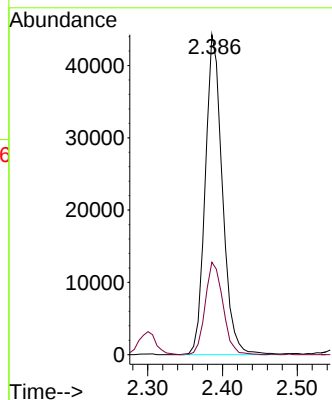
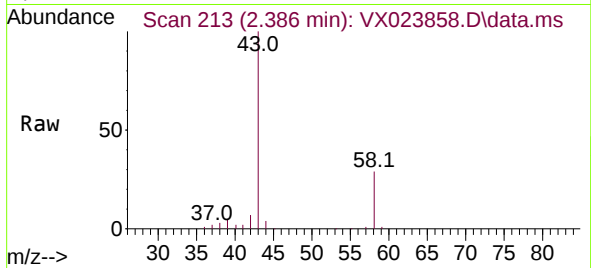




#16
Acetone
Concen: 85.470 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

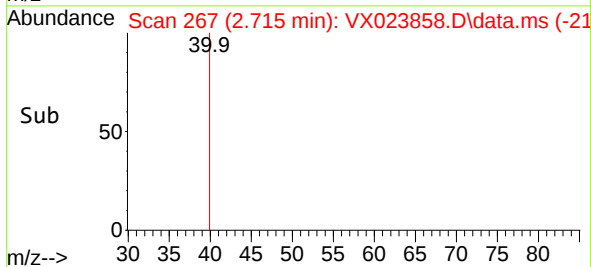
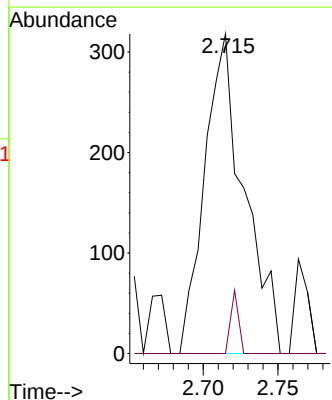
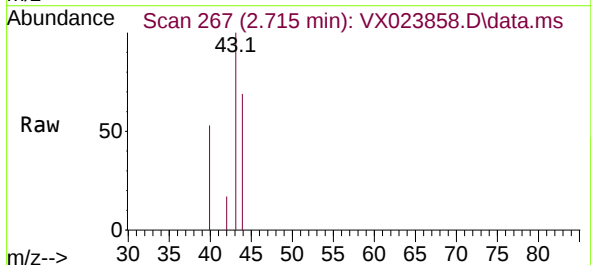
Instrument :
MSVOA_X
ClientSampleId :
O22-OUTFALL

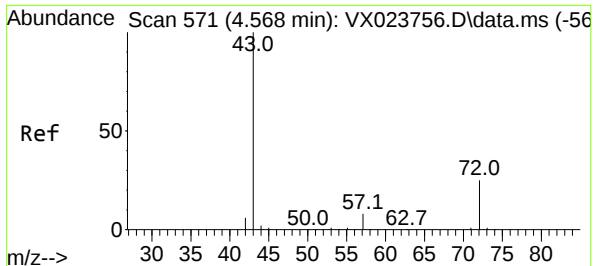
Tgt Ion: 43 Resp: 70623
Ion Ratio Lower Upper
43 100
58 28.9 27.8 41.8



#18
Methyl Acetate
Concen: 0.284 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

Tgt Ion: 43 Resp: 586
Ion Ratio Lower Upper
43 100
74 3.9 21.9 32.9#

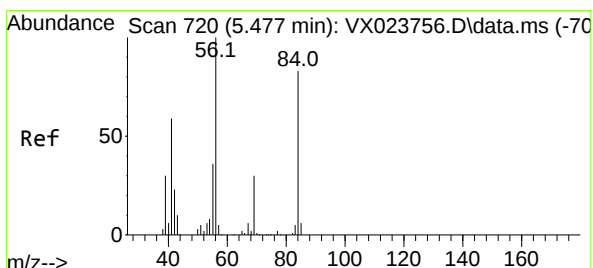
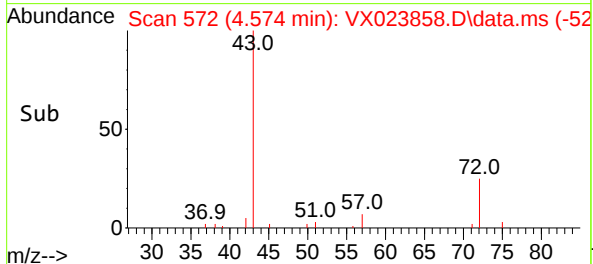
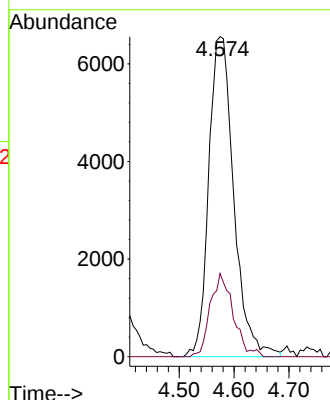
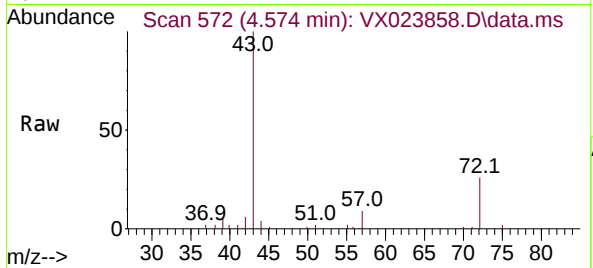




#25
2-Butanone
Concen: 16.596 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

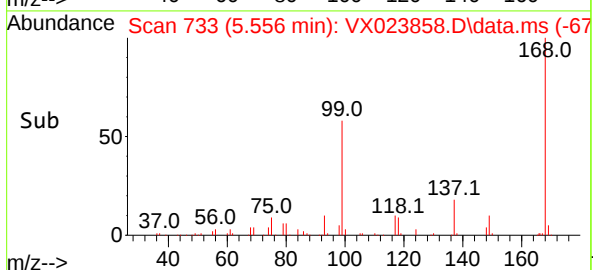
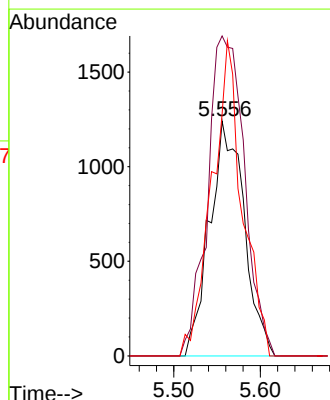
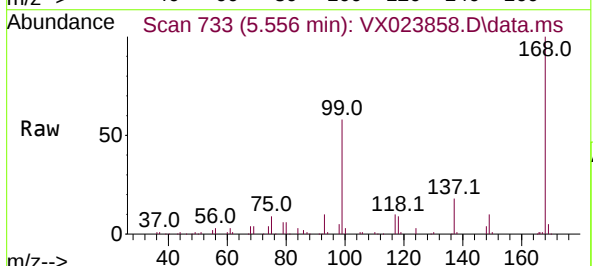
Instrument :
MSVOA_X
ClientSampleId :
O22-OUTFALL

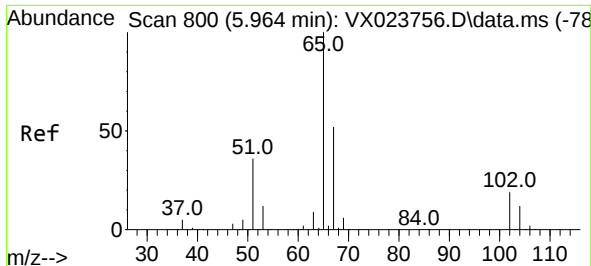
Tgt Ion: 43 Resp: 20770
Ion Ratio Lower Upper
43 100
72 26.0 23.7 35.5



#31
Cyclohexane
Concen: 1.447 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

Tgt Ion: 56 Resp: 3436
Ion Ratio Lower Upper
56 100
69 136.3 25.3 37.9#
84 103.1 71.4 107.0

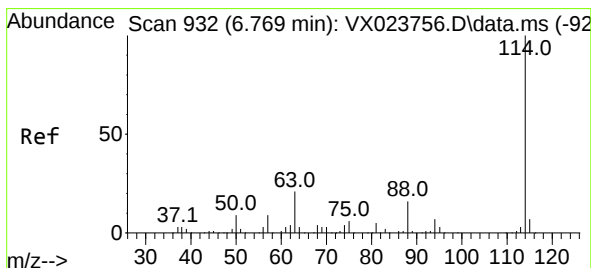
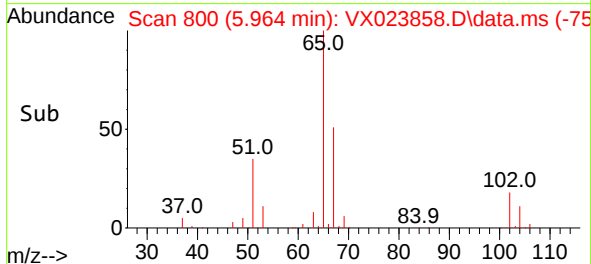
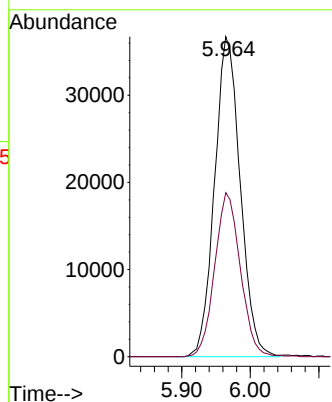
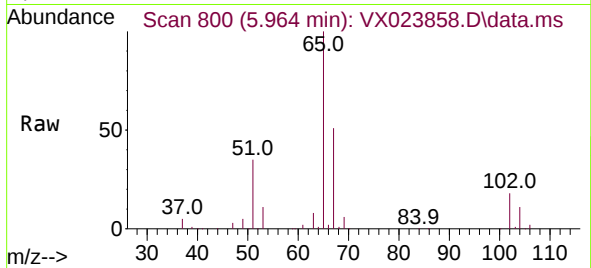




#33
 1,2-Dichloroethane-d4
 Concen: 51.625 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023858.D
 Acq: 19 Aug 2021 23:17

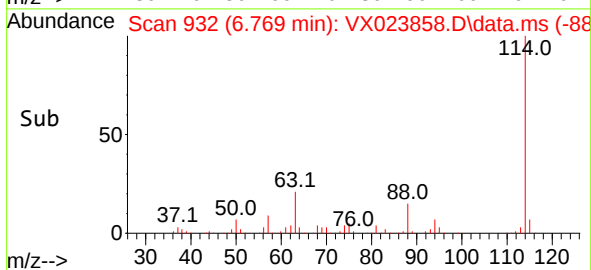
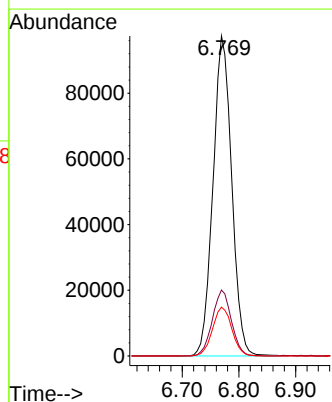
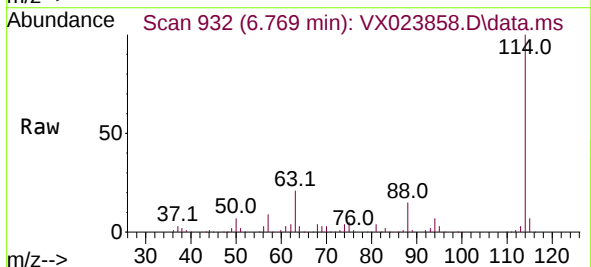
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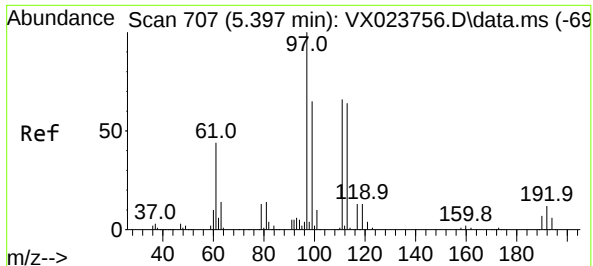
Tgt Ion: 65 Resp: 95402
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023858.D
 Acq: 19 Aug 2021 23:17

Tgt Ion: 114 Resp: 223313
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.8
 88 15.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.485 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023858.D

Acq: 19 Aug 2021 23:17

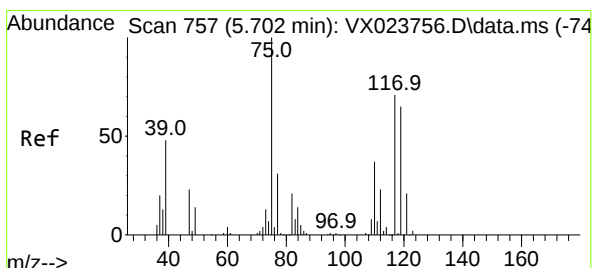
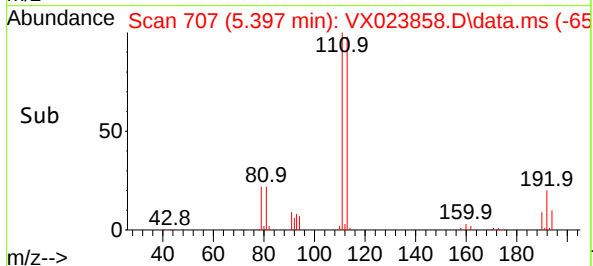
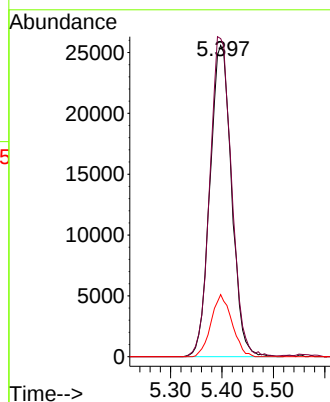
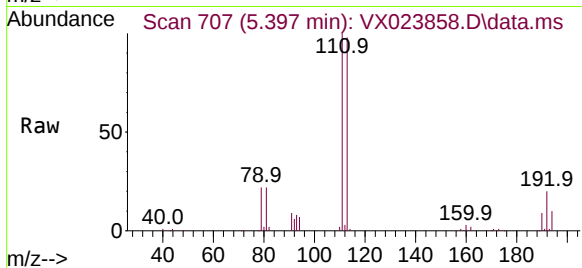
Tgt Ion:113 Resp: 74619

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

192 19.3 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.013 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX023858.D

Acq: 19 Aug 2021 23:17

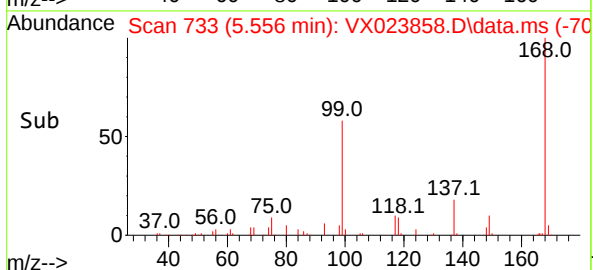
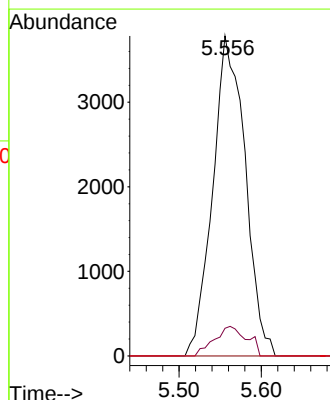
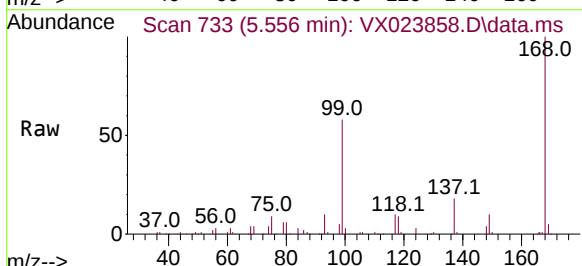
Tgt Ion: 75 Resp: 10368

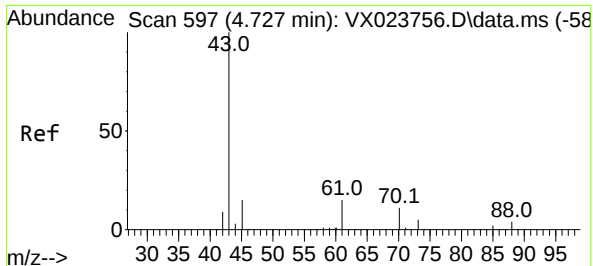
Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 8.170 ug/l

RT: 4.574 min Scan# 572

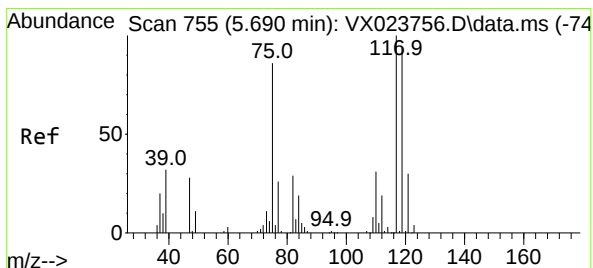
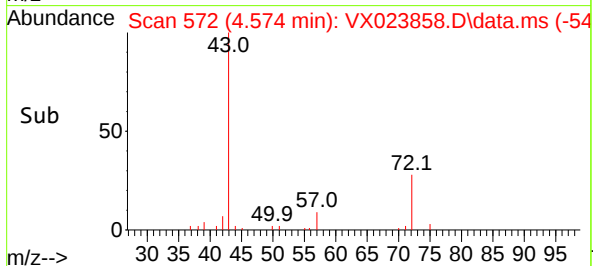
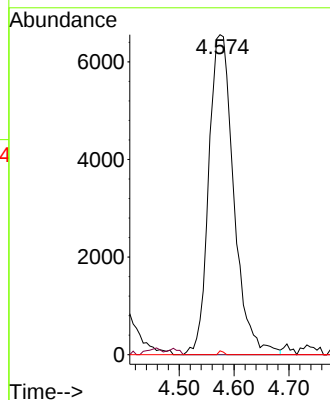
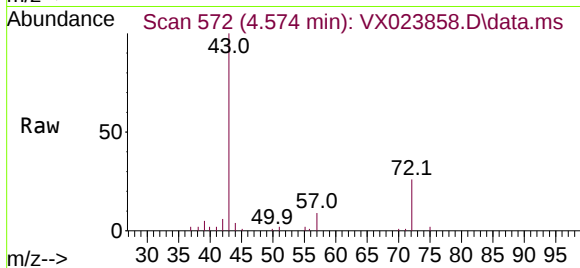
Delta R.T. -0.153 min

Lab File: VX023858.D

Acq: 19 Aug 2021 23:17

Tgt Ion:	43	Resp:	20770
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.2	10.5	15.7#

Instrument :
MSVOA_X
ClientSampleId :
O22-OUTFALL



#38

Carbon Tetrachloride

Concen: 6.497 ug/l

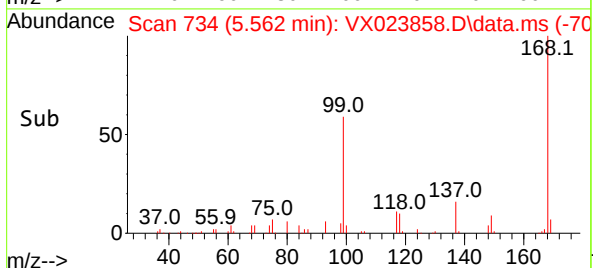
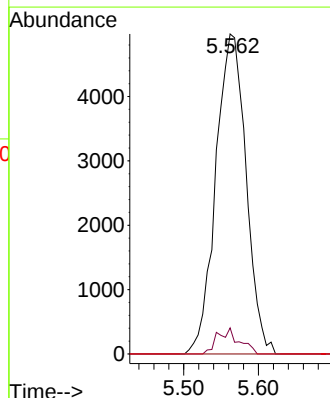
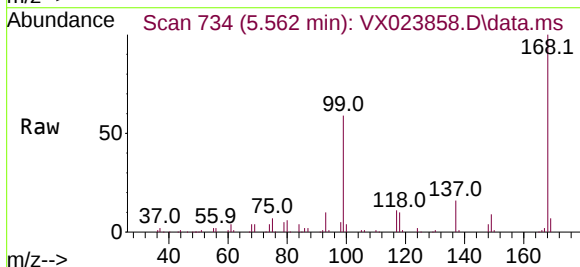
RT: 5.562 min Scan# 734

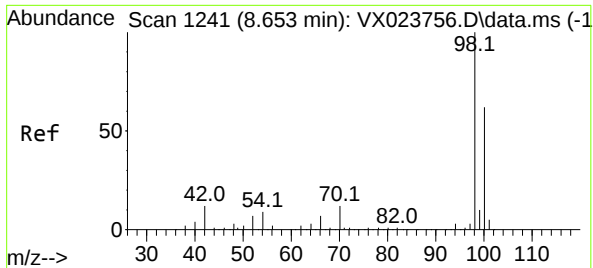
Delta R.T. -0.128 min

Lab File: VX023858.D

Acq: 19 Aug 2021 23:17

Tgt Ion:	117	Resp:	14011
Ion	Ratio	Lower	Upper
117	100		
119	8.2	76.2	114.2#
121	0.0	24.8	37.2#

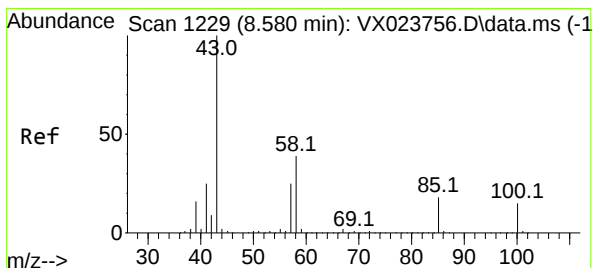
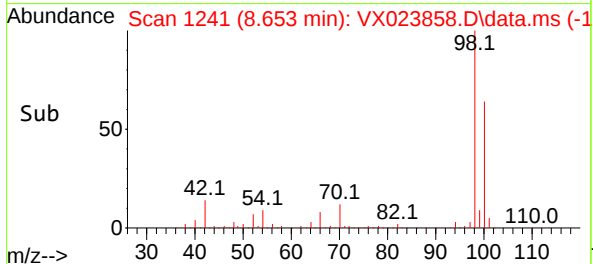
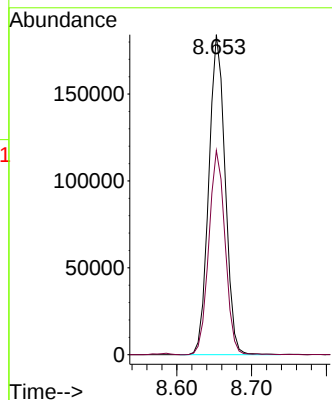
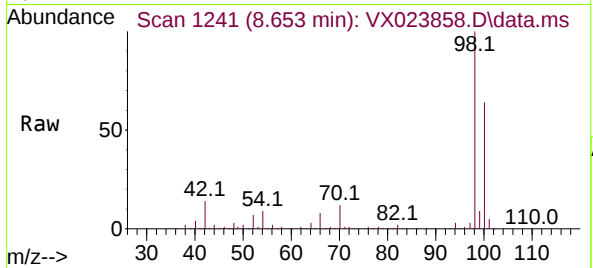




#50
Toluene-d8
Concen: 49.749 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

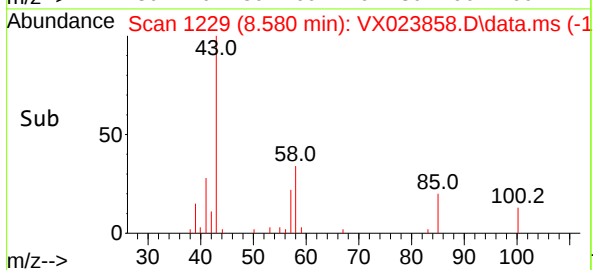
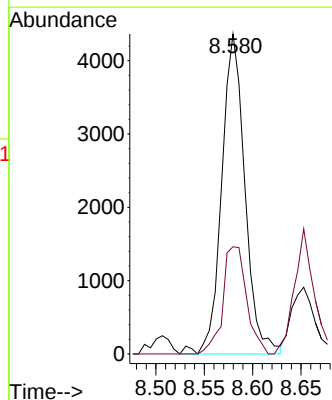
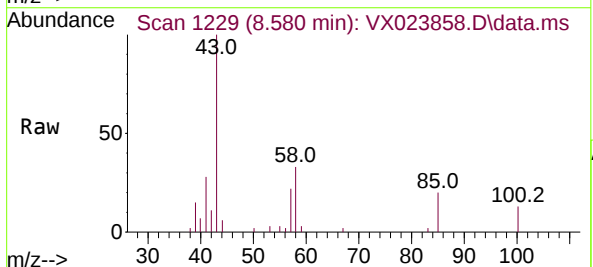
Instrument :
MSVOA_X
ClientSampleId :
O22-OUTFALL

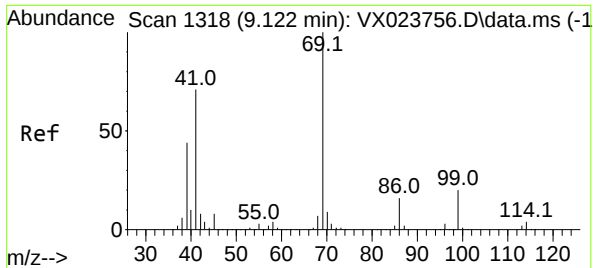
Tgt Ion: 98 Resp: 279864
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 2.835 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

Tgt Ion: 43 Resp: 7288
Ion Ratio Lower Upper
43 100
58 34.3 35.4 53.0#

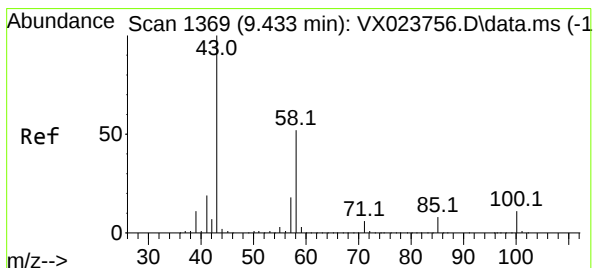
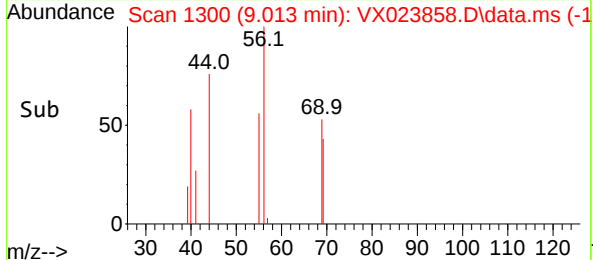
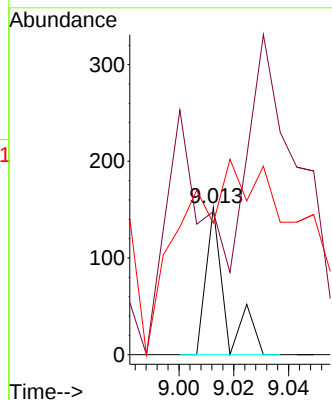
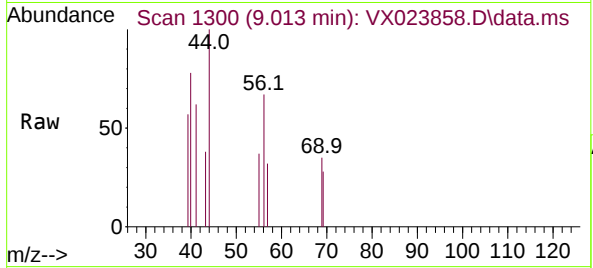




#56
Ethyl methacrylate
Concen: 0.786 ug/l
RT: 9.013 min Scan# 1300
Delta R.T. -0.109 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

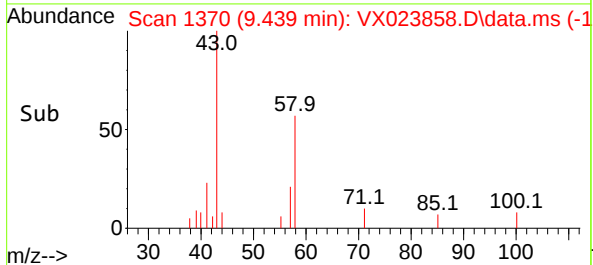
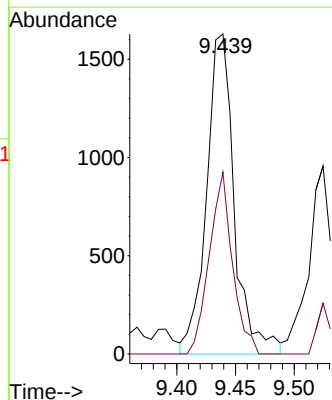
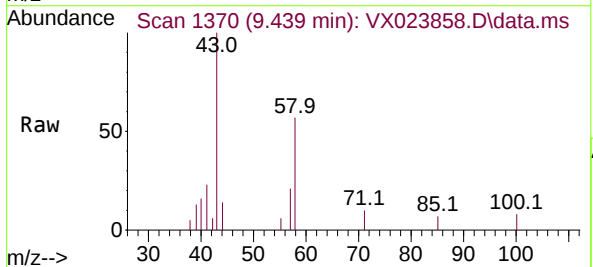
Instrument :
MSVOA_X
ClientSampleId :
O22-OUTFALL

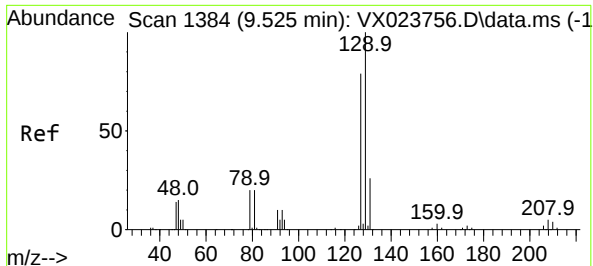
Tgt Ion: 69	Resp: 75
Ion Ratio	Lower Upper
69	100
41	589.3 46.8 70.2#
39	864.0 24.7 37.1#



#59
2-Hexanone
Concen: 1.356 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

Tgt Ion: 43	Resp: 2679
Ion Ratio	Lower Upper
43	100
58	47.4 30.9 92.8

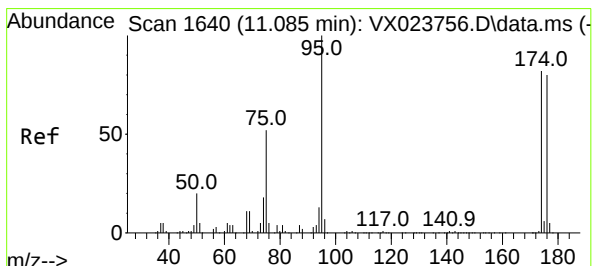
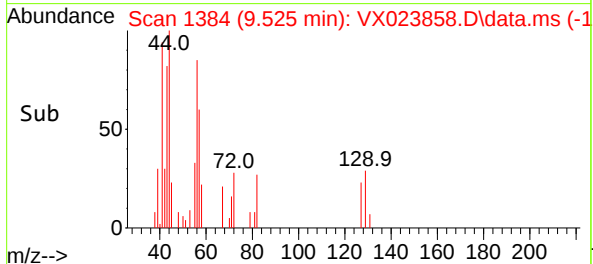
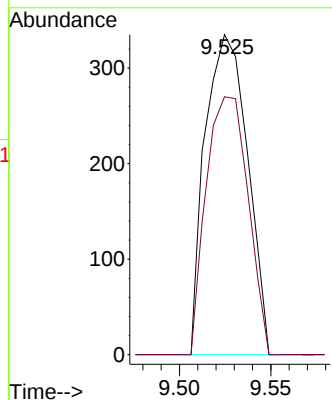
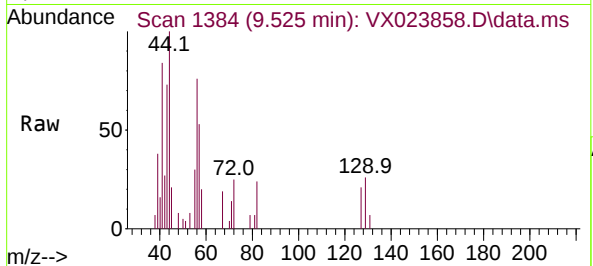




#60
Dibromochloromethane
Concen: 1.978 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

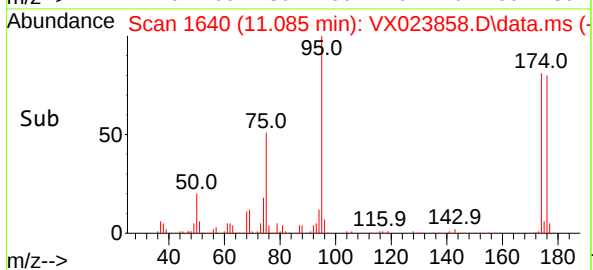
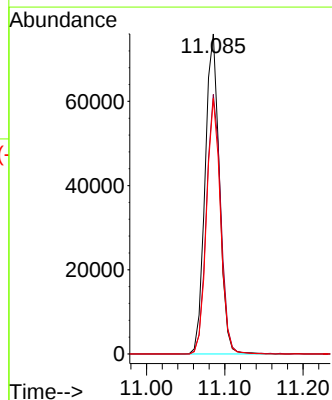
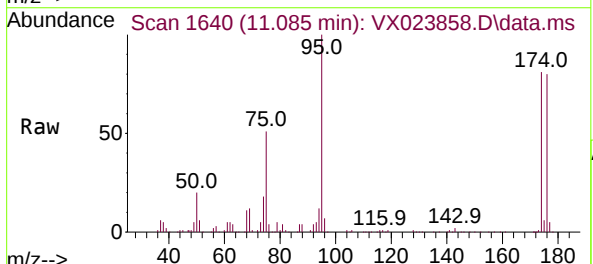
Instrument :
MSVOA_X
ClientSampleId :
O22-OUTFALL

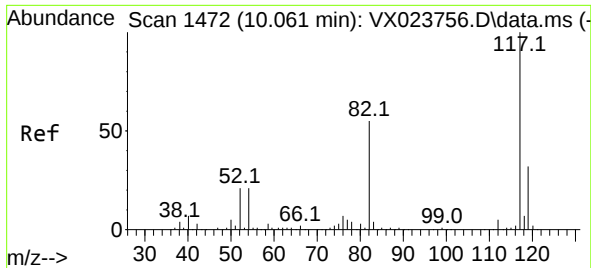
Tgt Ion:129 Resp: 541
Ion Ratio Lower Upper
129 100
127 79.5 38.4 115.2



#62
4-Bromofluorobenzene
Concen: 46.478 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

Tgt Ion: 95 Resp: 96253
Ion Ratio Lower Upper
95 100
174 81.5 0.0 154.6
176 77.5 0.0 155.8

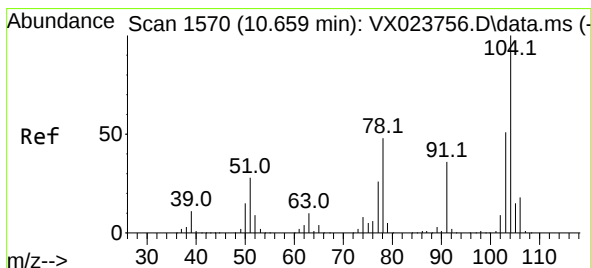
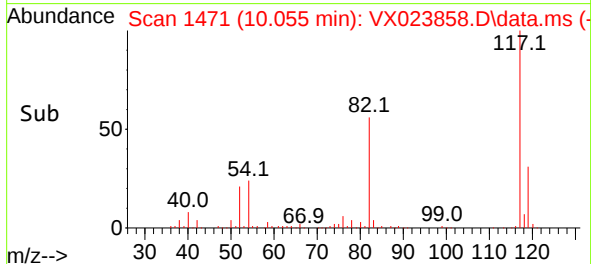
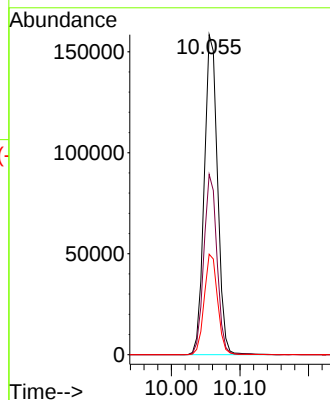
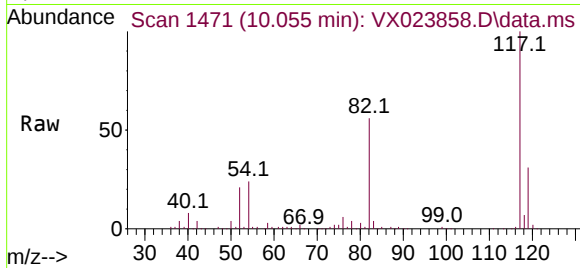




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

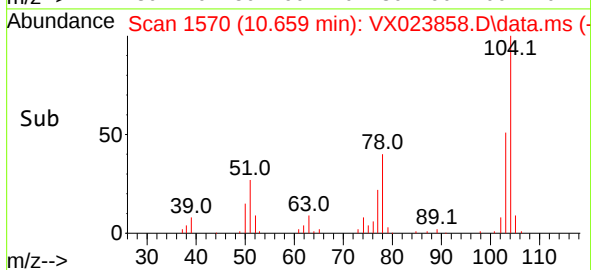
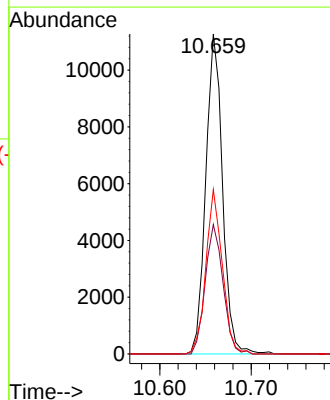
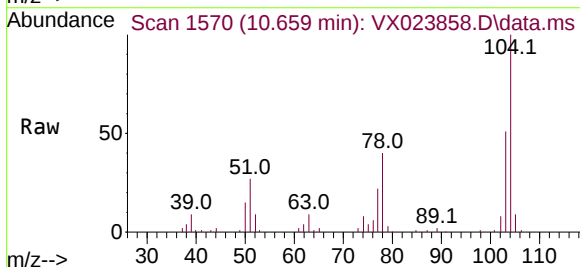
Instrument :
MSVOA_X
ClientSampleId :
O22-OUTFALL

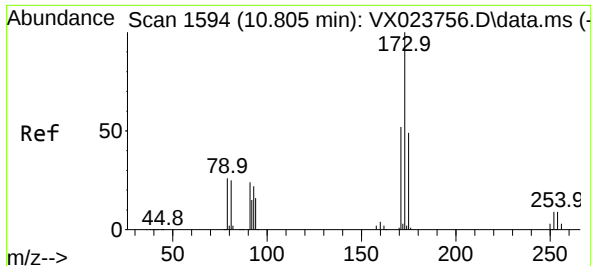
Tgt Ion:117 Resp: 214200
Ion Ratio Lower Upper
117 100
82 56.3 47.4 71.2
119 31.4 26.6 39.8



#70
Styrene
Concen: 3.007 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

Tgt Ion:104 Resp: 14311
Ion Ratio Lower Upper
104 100
78 43.0 40.0 60.0
103 50.5 43.4 65.0

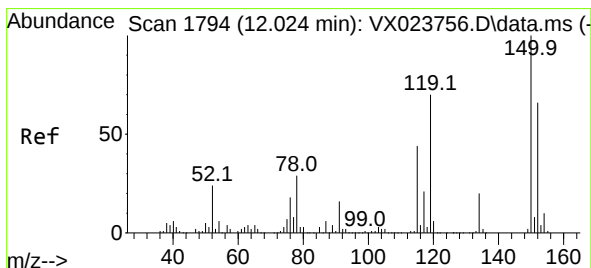
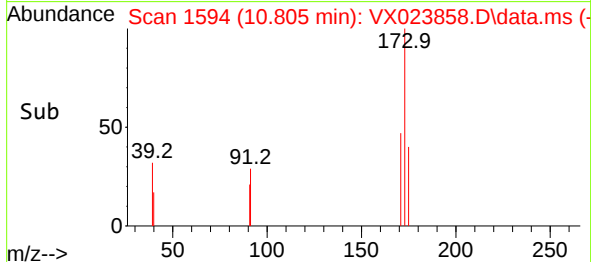
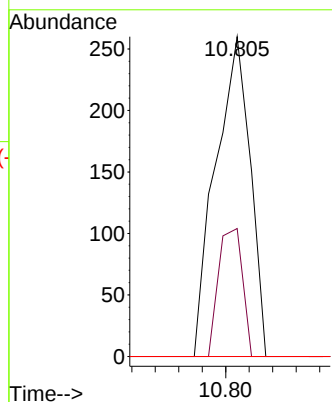
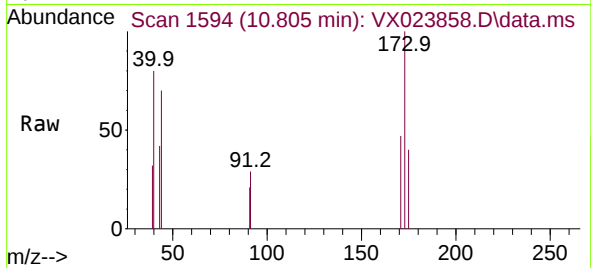




#71
Bromoform
Concen: 2.128 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. -0.000 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

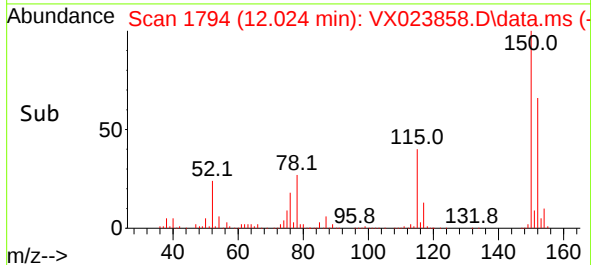
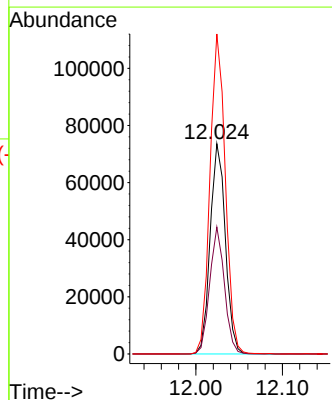
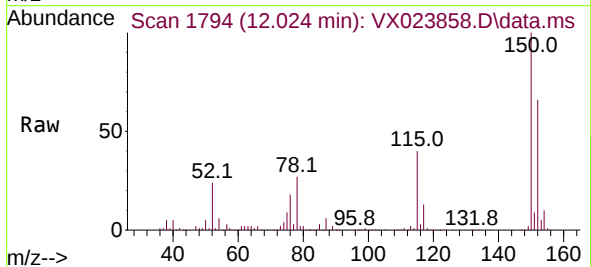
Instrument :
MSVOA_X
ClientSampleId :
O22-OUTFALL

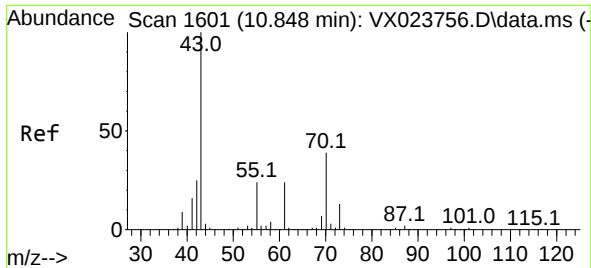
Tgt Ion:173 Resp: 265
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

Tgt Ion:152 Resp: 89828
Ion Ratio Lower Upper
152 100
115 58.4 41.1 123.3
150 153.1 0.0 349.0

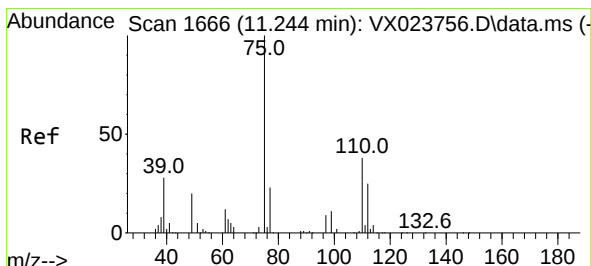
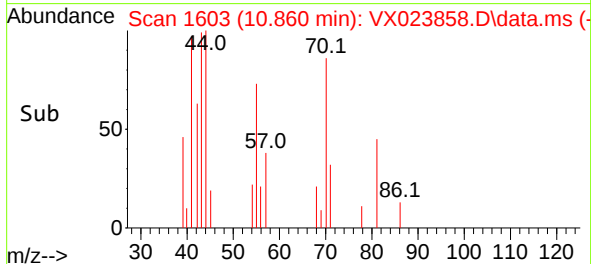
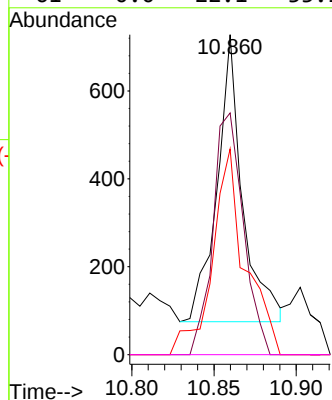
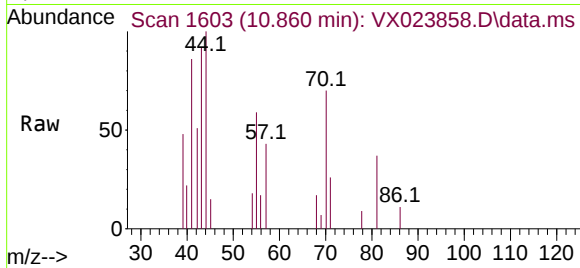




#74
N-amy1 acetate
Concen: 0.227 ug/l
RT: 10.860 min Scan# 1603
Delta R.T. 0.012 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

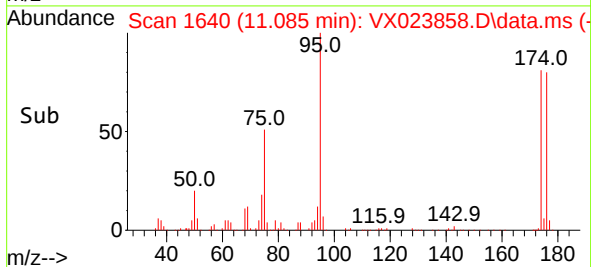
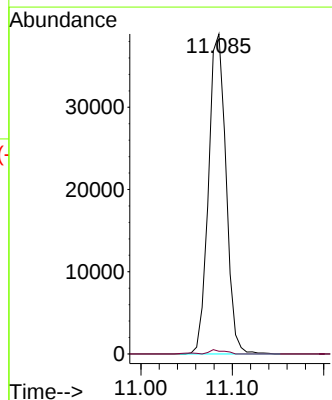
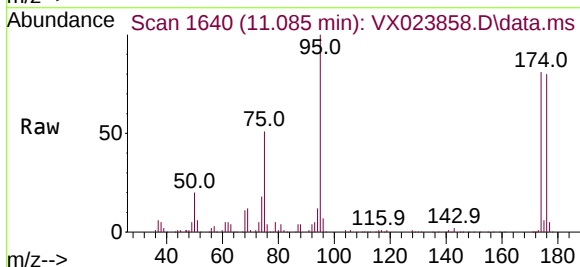
Instrument :
MSVOA_X
ClientSampleId :
O22-OUTFALL

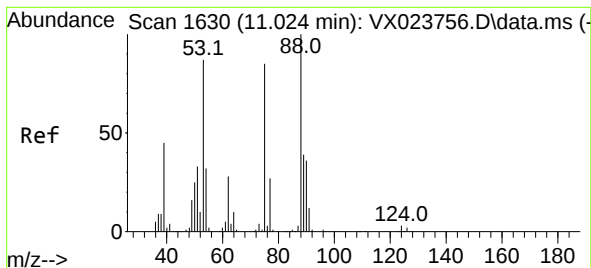
Tgt Ion: 43	Resp: 702
Ion Ratio	Lower Upper
43 100	
70 100.9	39.0 58.6#
55 92.5	21.5 32.3#
61 0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 24.603 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

Tgt Ion: 75	Resp: 51554
Ion Ratio	Lower Upper
75 100	
77 1.1	19.1 57.5#

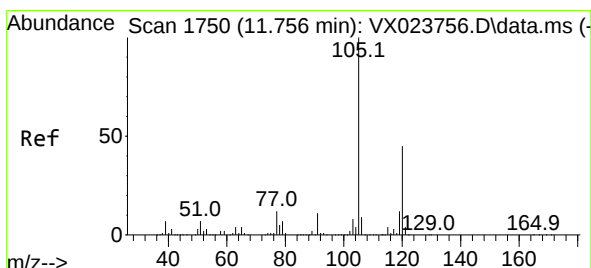
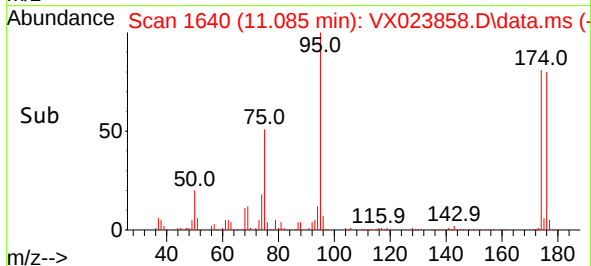
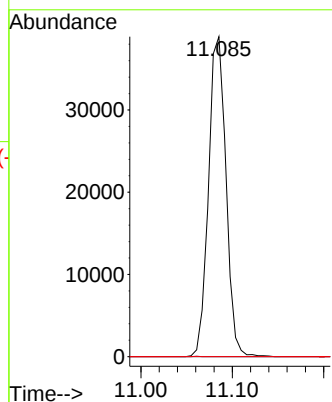
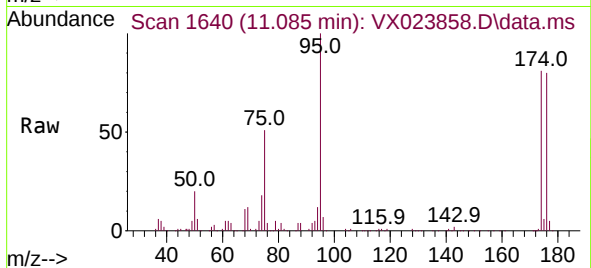




#81
trans-1,4-Dichloro-2-butene
Concen: 72.370 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

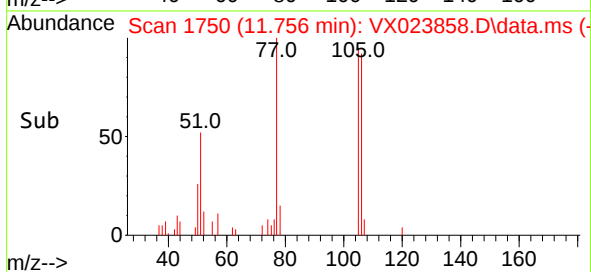
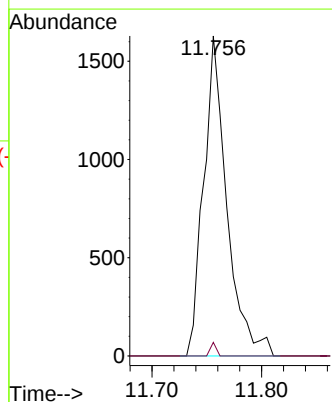
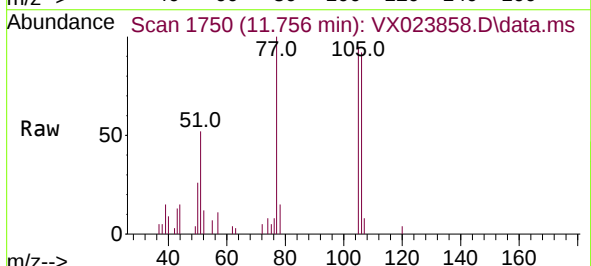
Instrument :
MSVOA_X
ClientSampleId :
O22-OUTFALL

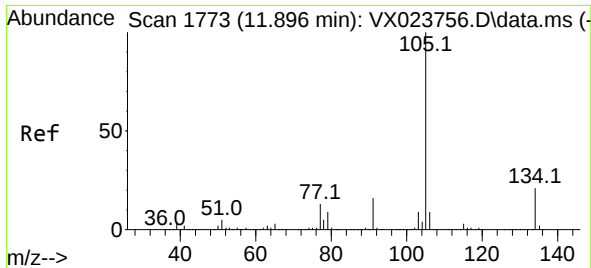
Tgt Ion: 75 Resp: 51554
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.427 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX023858.D
Acq: 19 Aug 2021 23:17

Tgt Ion: 105 Resp: 2400
Ion Ratio Lower Upper
105 100
120 1.0 22.4 67.3#

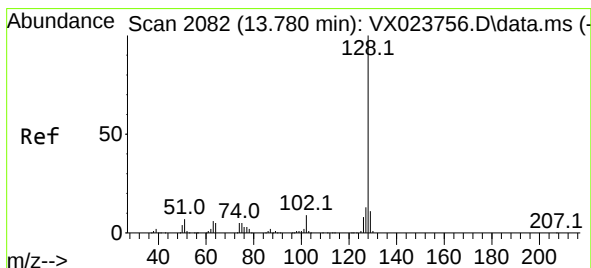
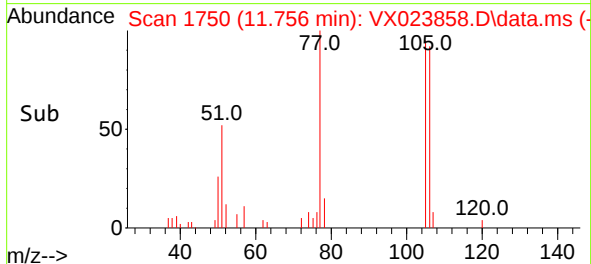
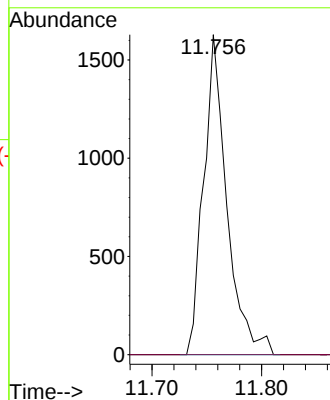
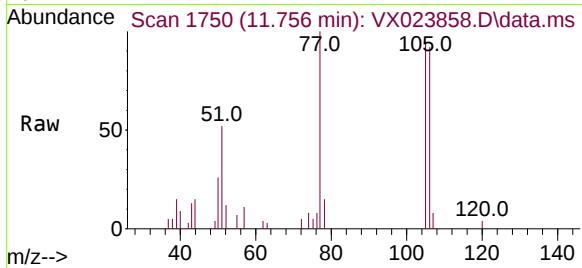




#85
 sec-Butylbenzene
 Concen: 0.347 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. -0.140 min
 Lab File: VX023858.D
 Acq: 19 Aug 2021 23:17

Instrument :
 MSVOA_X
 ClientSampleId :
 O22-OUTFALL

Tgt Ion:105 Resp: 2400
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 29.8#



#95
 Naphthalene
 Concen: 1.289 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. -0.000 min
 Lab File: VX023858.D
 Acq: 19 Aug 2021 23:17

Tgt Ion:128 Resp: 44
 Ion Ratio Lower Upper
 128 100
 127 43.2 10.3 15.5#
 129 0.0 8.8 13.2#

