

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052721\
 Data File : VX022192.D
 Acq On : 26 May 2021 13:07
 Operator : JC/MD
 Sample : M2480-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WASTE-WATER-NO-FEEDS

Quant Time: May 26 13:43:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

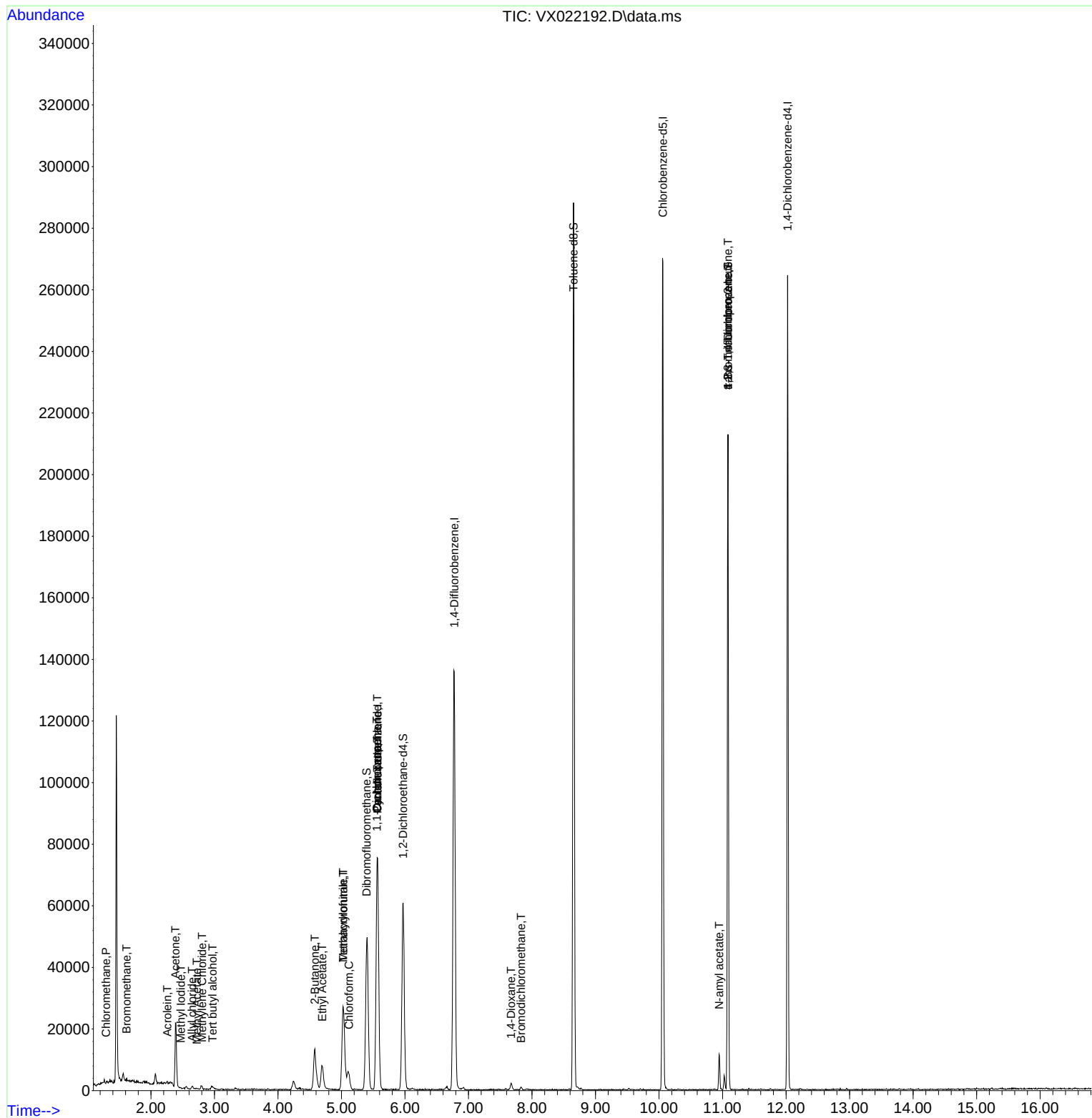
Internal Standards						
1) Pentafluorobenzene	5.568	168	66017	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.775	114	140387	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	122297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	47567	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	55562	54.56	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	109.12%
35) Dibromofluoromethane	5.397	113	42797	48.07	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.14%
50) Toluene-d8	8.653	98	168540	49.15	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.30%
62) 4-Bromofluorobenzene	11.085	95	59502	46.94	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.88%
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	217	0.25	ug/l	# 42
5) Bromomethane	1.618	94	350	0.66	ug/l	90
10) Methyl Iodide	2.471	142	211	0.25	ug/l	# 54
11) Tert butyl alcohol	2.971	59	1004	4.31	ug/l	# 79
13) Acrolein	2.258	56	278	1.80	ug/l	# 42
14) Allyl chloride	2.648	41	1097	0.79	ug/l	# 38
16) Acetone	2.386	43	22231	50.14	ug/l	96
18) Methyl Acetate	2.721	43	398	0.34	ug/l	# 47
20) Methylene Chloride	2.806	84	457	0.46	ug/l	# 75
25) 2-Butanone	4.580	43	20908	29.15	ug/l	94
29) Tetrahydrofuran	5.025	42	25688	60.16	ug/l	91
30) Chloroform	5.117	83	6208	3.83	ug/l	91
31) Cyclohexane	5.562	56	1666	1.30	ug/l	# 6
36) 1,1-Dichloropropene	5.556	75	6275	4.83	ug/l	# 50
37) Ethyl Acetate	4.696	43	1555	0.98	ug/l	# 64
38) Carbon Tetrachloride	5.562	117	7681	6.05	ug/l	# 16
41) Methacrylonitrile	5.025	41	14616	17.17	ug/l	# 43
47) Bromodichloromethane	7.830	83	602	0.44	ug/l	# 96
49) 1,4-Dioxane	7.671	88	1627	69.66	ug/l	95
74) N-amyl acetate	10.945	43	1049	0.55	ug/l	# 43
76) 1,2,3-Trichloropropane	11.085	75	29660	25.28	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	29660	59.89	ug/l	# 12

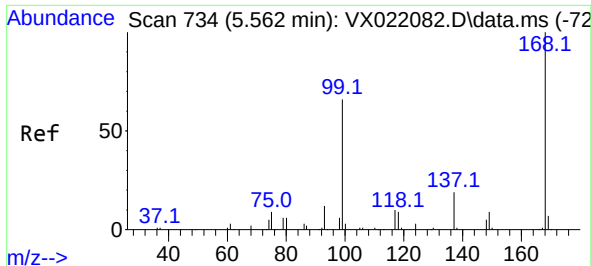
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
Response via : Initial Calibration

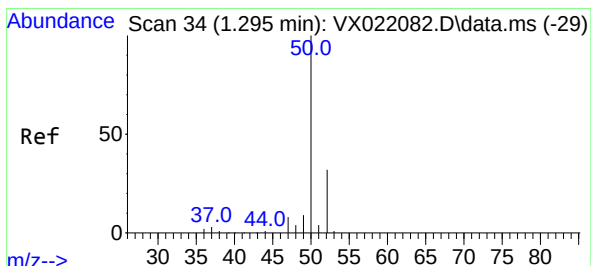
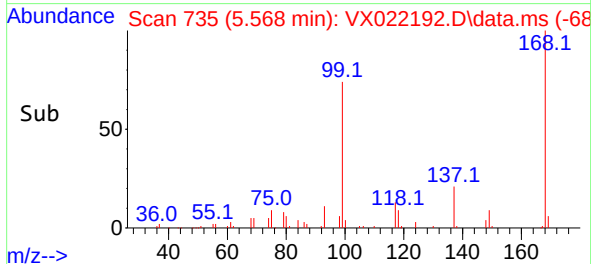
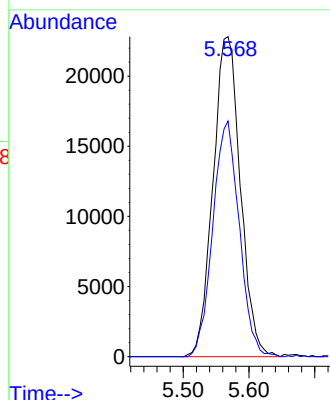
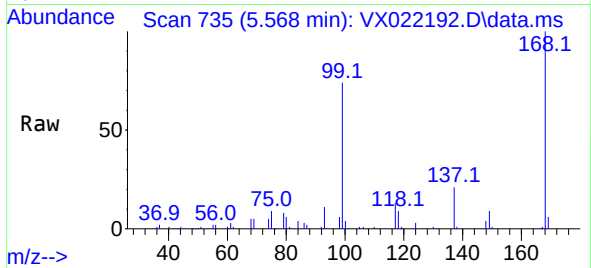




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

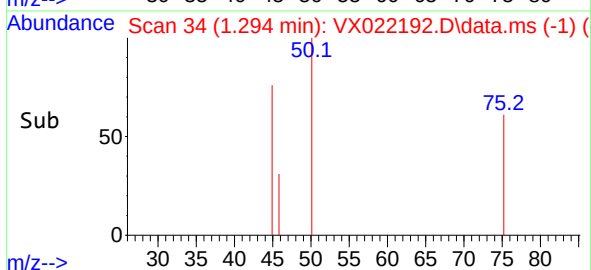
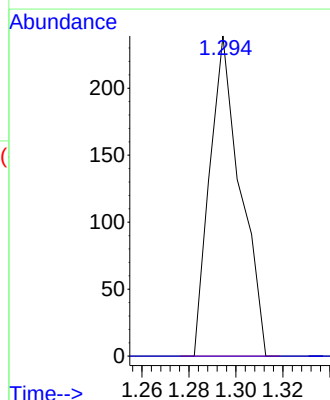
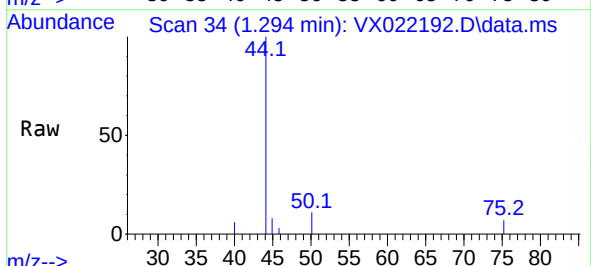
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-NO-FEEDS

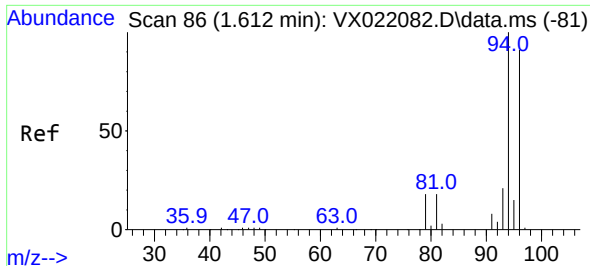
Tgt Ion:168 Resp: 66017
Ion Ratio Lower Upper
168 100
99 73.6 45.8 68.6#



#3
Chloromethane
Concen: 0.25 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

Tgt Ion: 50 Resp: 217
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

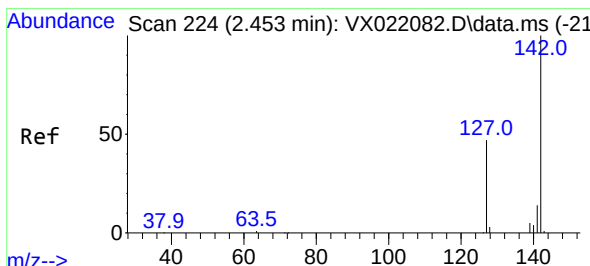
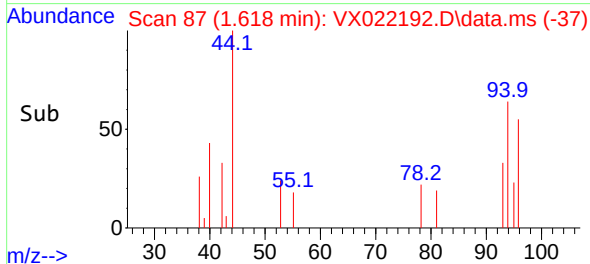
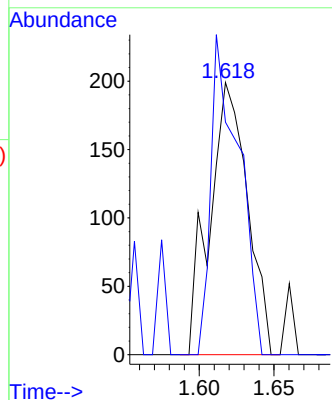
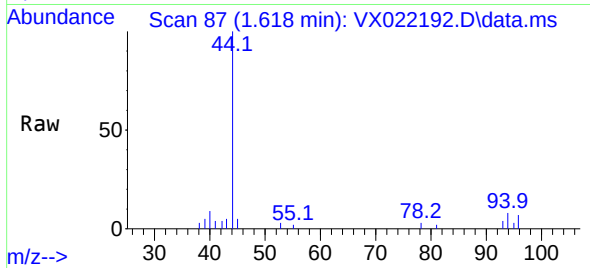




#5
Bromomethane
Concen: 0.66 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

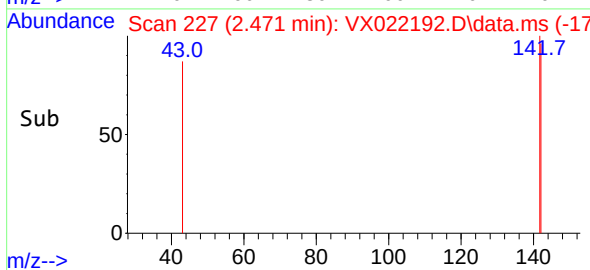
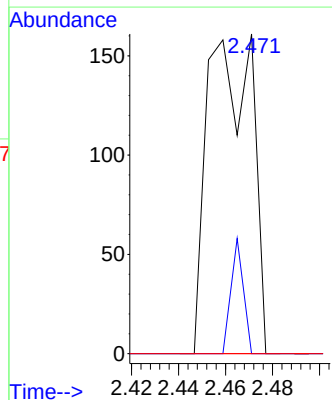
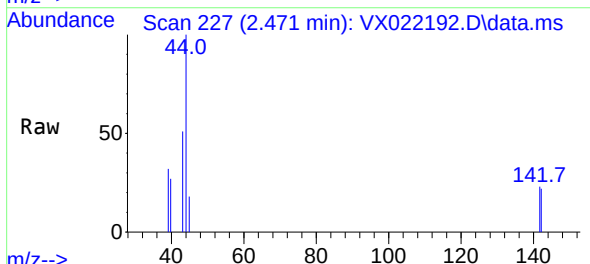
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-NO-FEEDS

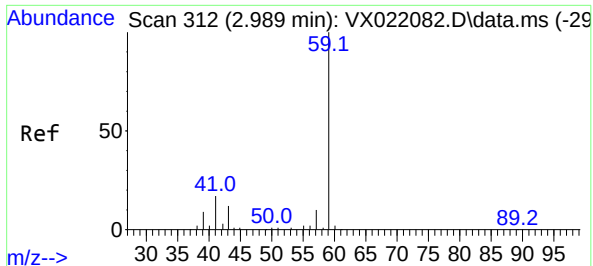
Tgt Ion: 94 Resp: 350
Ion Ratio Lower Upper
94 100
96 85.4 76.4 114.6



#10
Methyl Iodide
Concen: 0.25 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

Tgt Ion: 142 Resp: 211
Ion Ratio Lower Upper
142 100
127 10.0 33.3 49.9#
141 0.0 11.4 17.0#



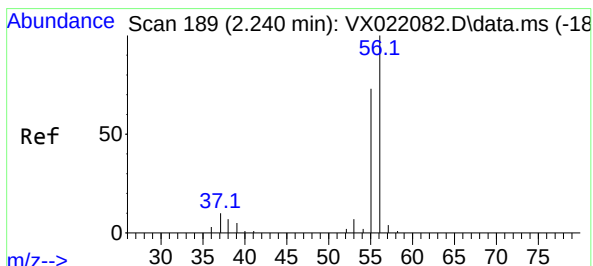
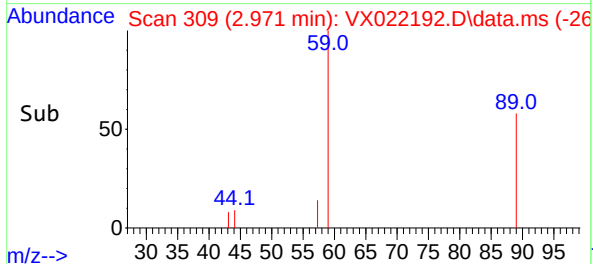
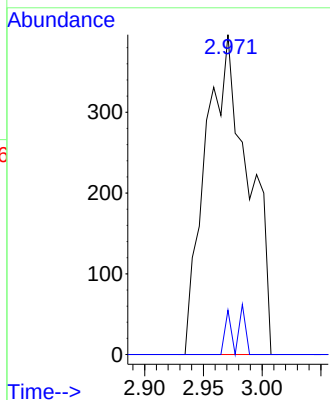
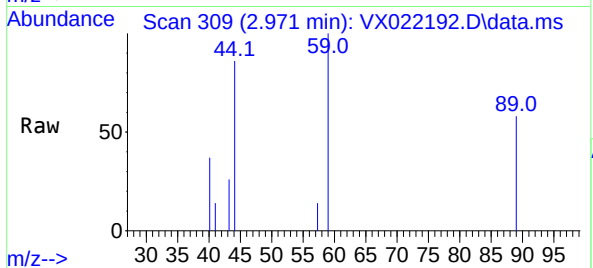


#11

Tert butyl alcohol
Concen: 4.31 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.018 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-NO-FEEDS

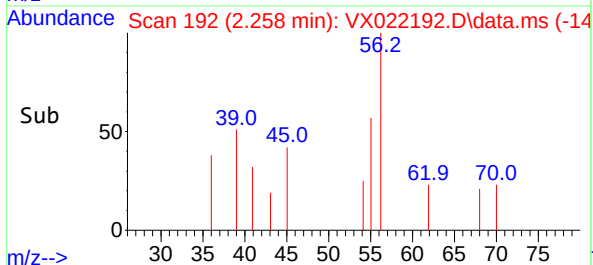
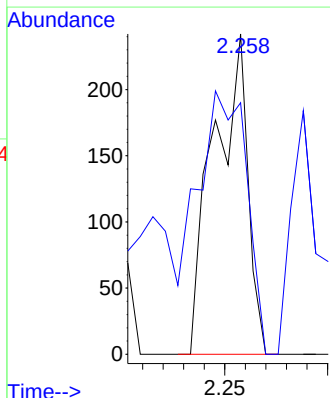
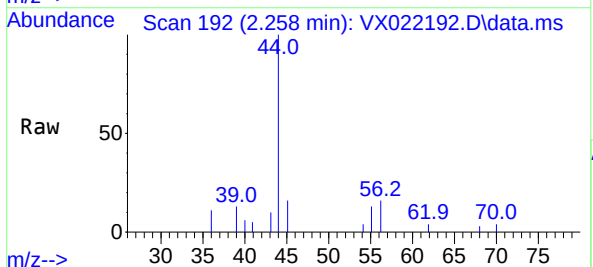
Tgt Ion: 59 Resp: 1004
Ion Ratio Lower Upper
59 100
57 2.0 7.8 11.8#

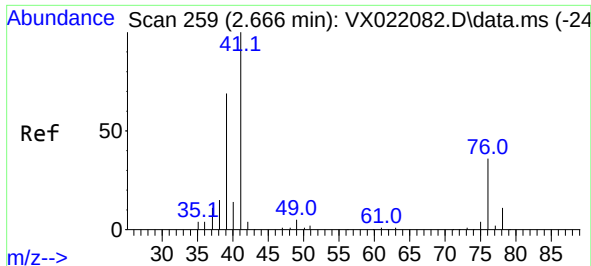


#13

Acrolein
Concen: 1.80 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.018 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

Tgt Ion: 56 Resp: 278
Ion Ratio Lower Upper
56 100
55 118.3 56.4 84.6#

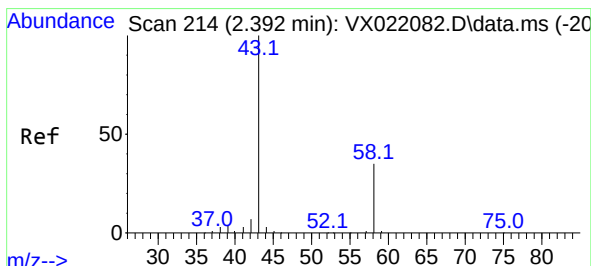
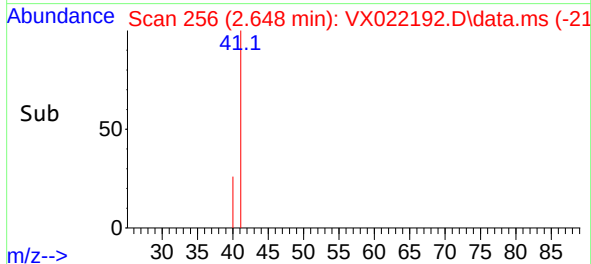
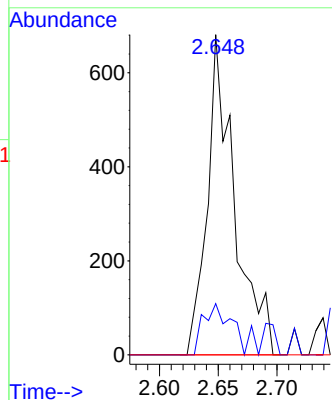
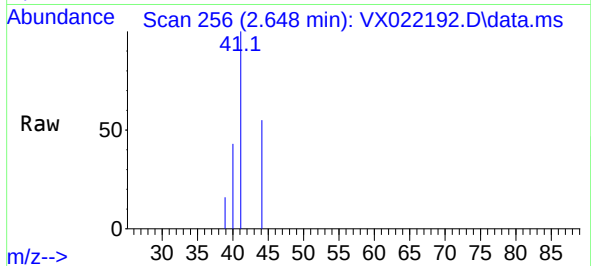




#14
 Allyl chloride
 Concen: 0.79 ug/l
 RT: 2.648 min Scan# 256
 Delta R.T. -0.018 min
 Lab File: VX022192.D
 Acq: 26 May 2021 13:07

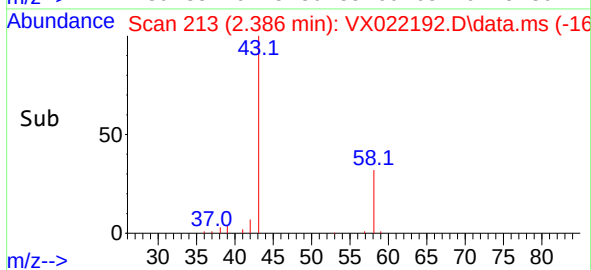
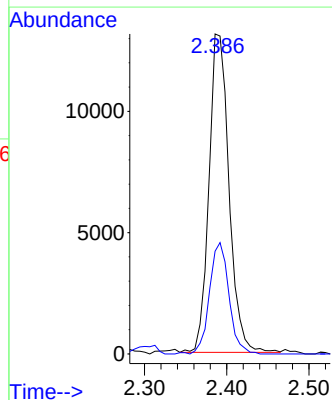
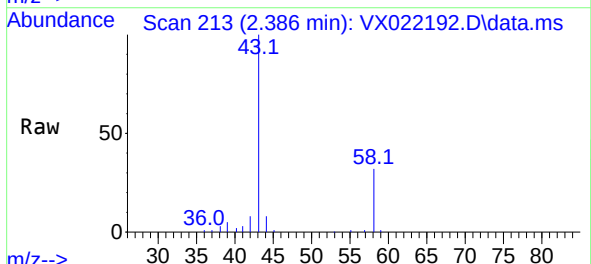
Instrument :
 MSVOA_X
 ClientSampleId :
 WASTE-WATER-NO-FEEDS

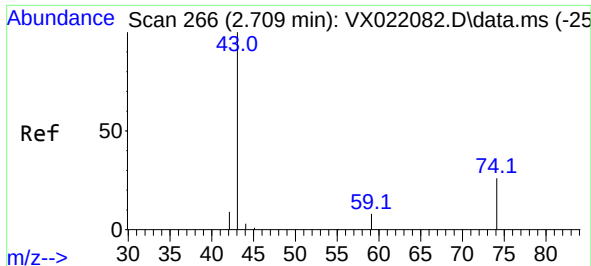
Tgt Ion:	41	Resp:	1097
Ion	Ratio	Lower	Upper
41	100		
39	16.0	51.6	77.4#
76	0.0	30.5	45.7#



#16
 Acetone
 Concen: 50.14 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VX022192.D
 Acq: 26 May 2021 13:07

Tgt Ion:	43	Resp:	22231
Ion	Ratio	Lower	Upper
43	100		
58	32.3	27.8	41.8

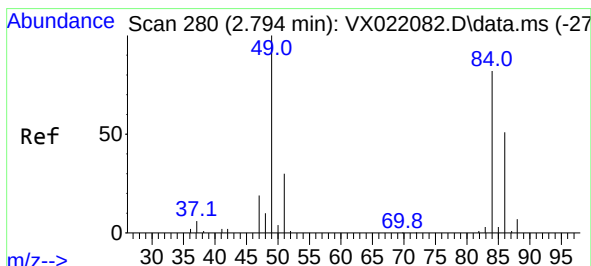
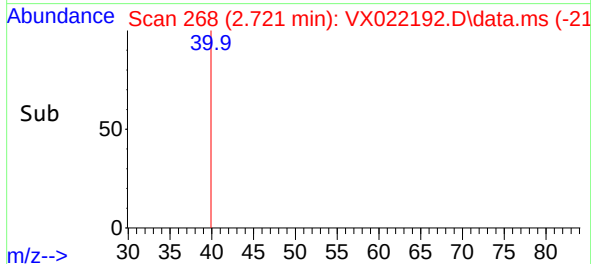
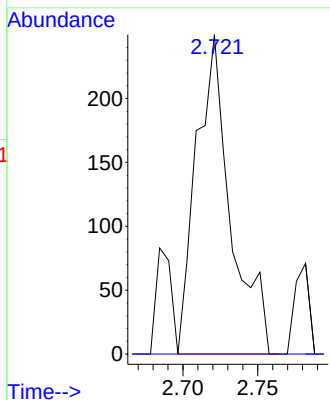
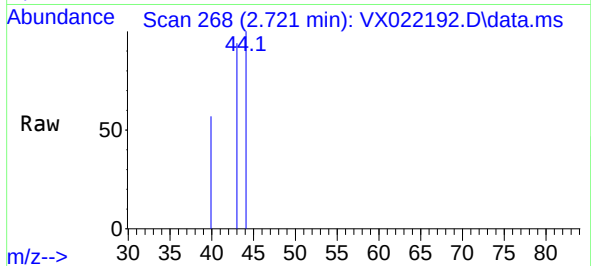




#18
Methyl Acetate
Concen: 0.34 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.012 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

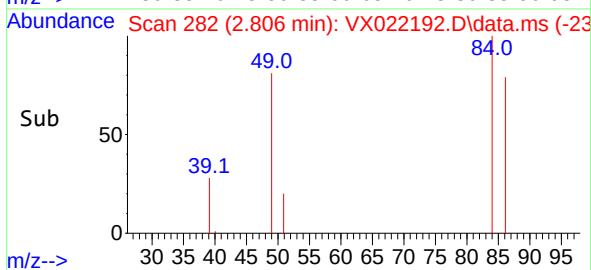
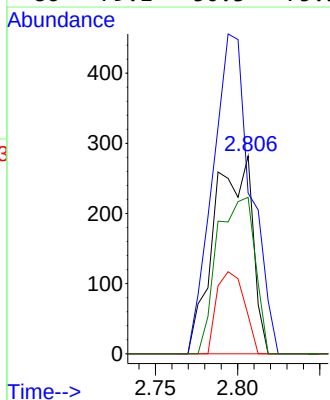
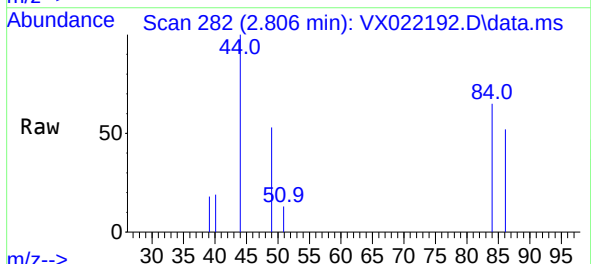
Instrument :
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ClientSampleId :
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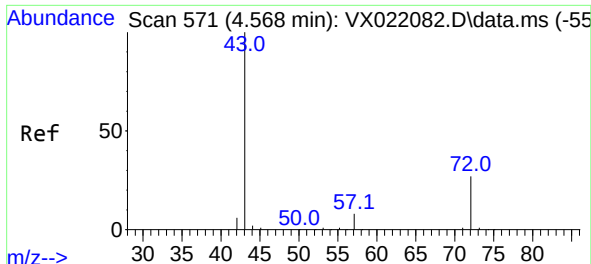
Tgt Ion: 43 Resp: 398
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 0.46 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.012 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

Tgt Ion: 84 Resp: 457
Ion Ratio Lower Upper
84 100
49 81.2 88.6 132.8#
51 19.5 27.0 40.6#
86 79.1 50.3 75.5#

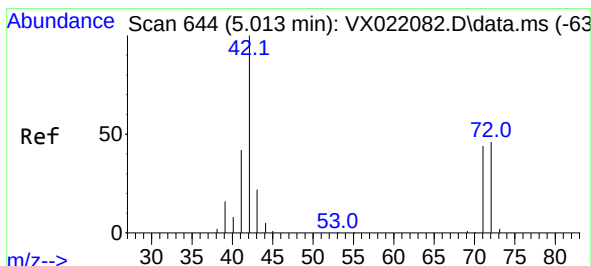
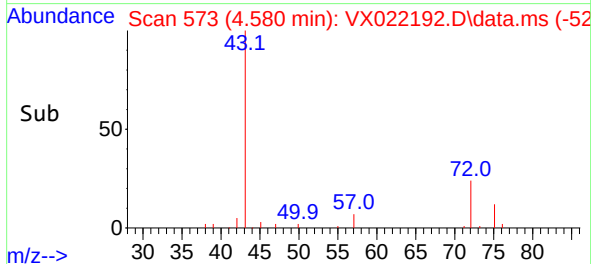
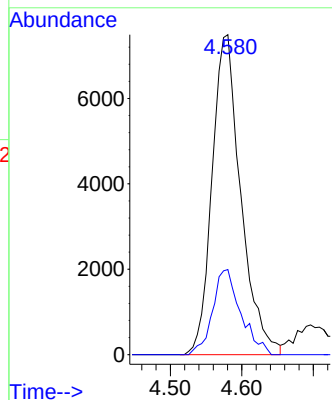
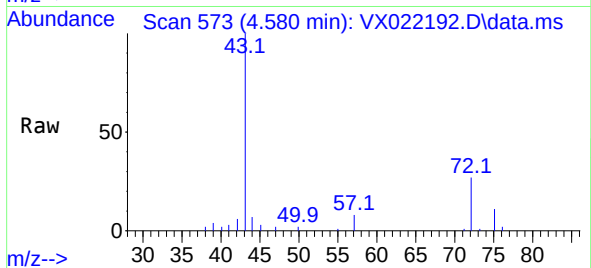




#25
2-Butanone
Concen: 29.15 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

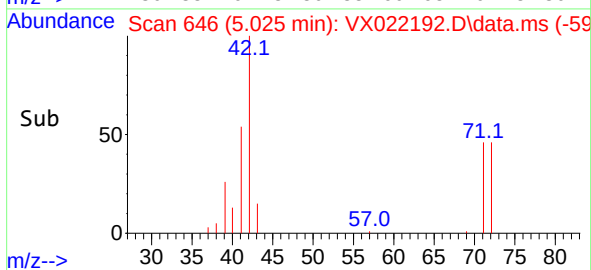
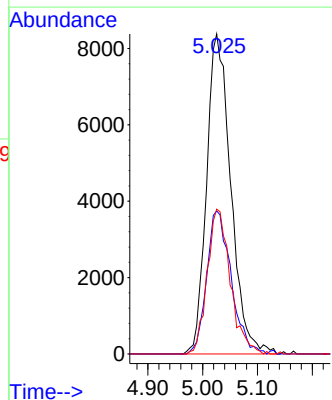
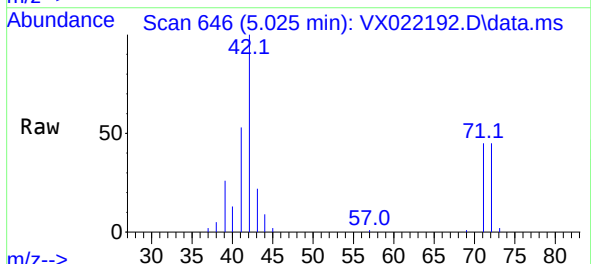
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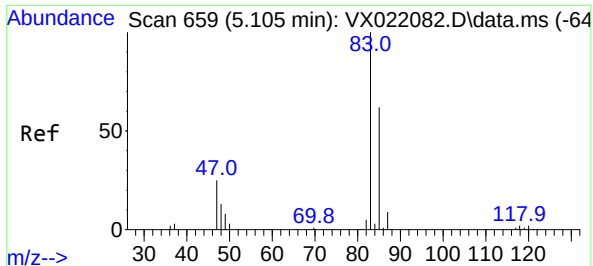
Tgt Ion: 43 Resp: 20908
Ion Ratio Lower Upper
43 100
72 26.6 23.7 35.5



#29
Tetrahydrofuran
Concen: 60.16 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.012 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

Tgt Ion: 42 Resp: 25688
Ion Ratio Lower Upper
42 100
72 45.0 41.7 62.5
71 43.3 38.4 57.6





#30

Chloroform

Concen: 3.83 ug/l

RT: 5.117 min Scan# 661

Delta R.T. 0.012 min

Lab File: VX022192.D

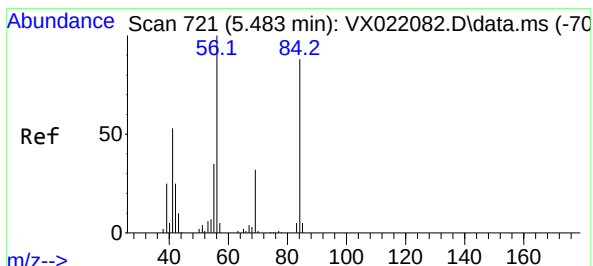
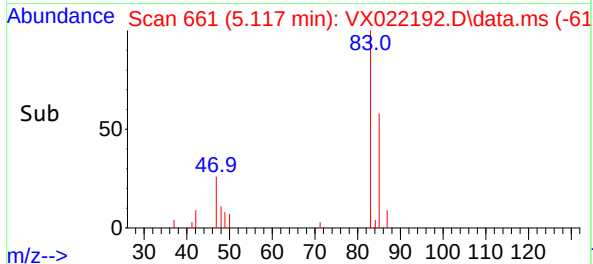
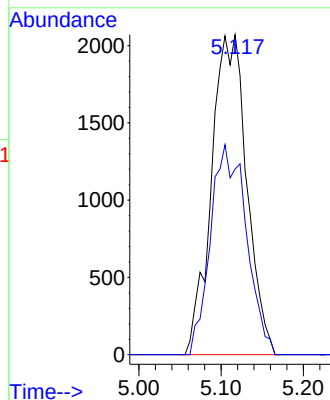
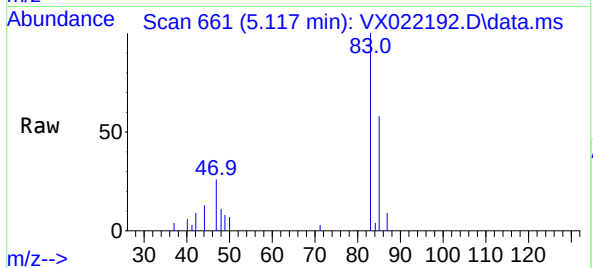
Acq: 26 May 2021 13:07

Tgt Ion: 83 Resp: 6208

Ion Ratio Lower Upper

83 100

85 58.0 52.0 78.0



#31

Cyclohexane

Concen: 1.30 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.079 min

Lab File: VX022192.D

Acq: 26 May 2021 13:07

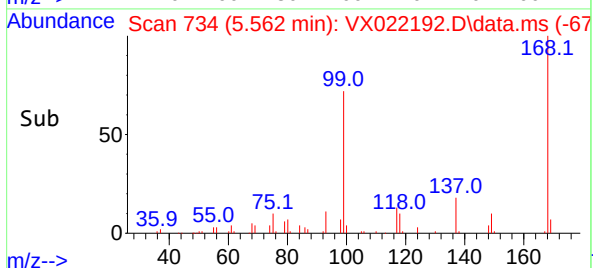
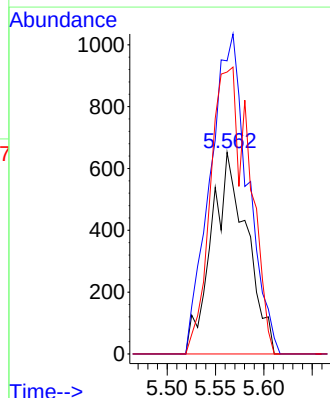
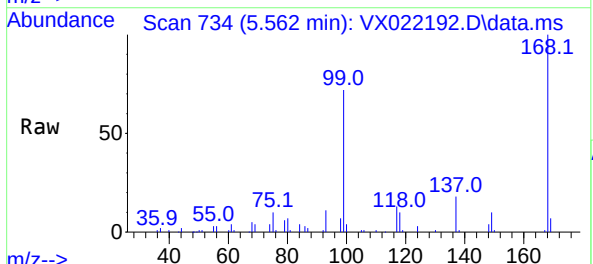
Tgt Ion: 56 Resp: 1666

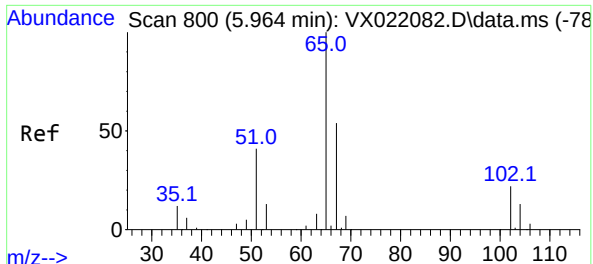
Ion Ratio Lower Upper

56 100

69 145.4 25.3 37.9#

84 139.9 71.4 107.0#



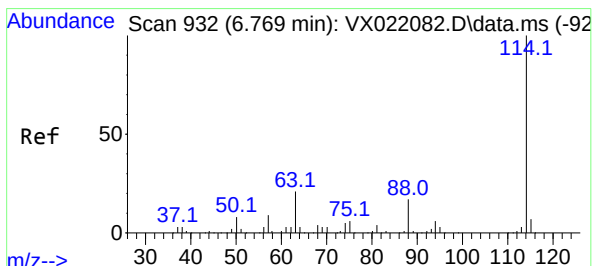
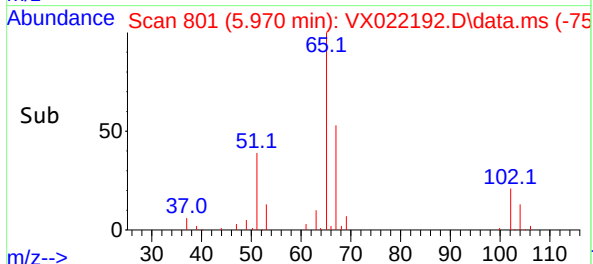
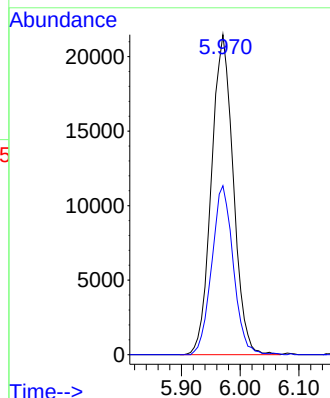
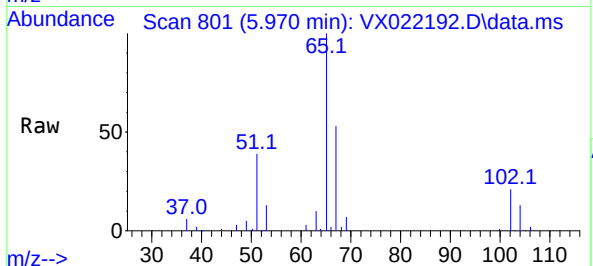


#33

1,2-Dichloroethane-d4
Concen: 54.56 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-NO-FEEDS

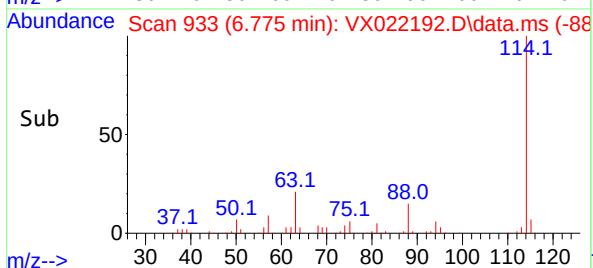
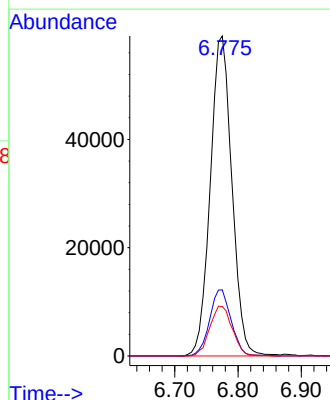
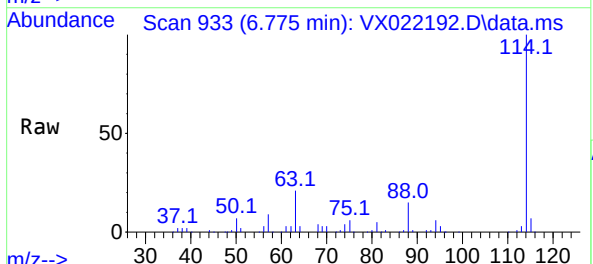
Tgt Ion: 65 Resp: 55562
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.4

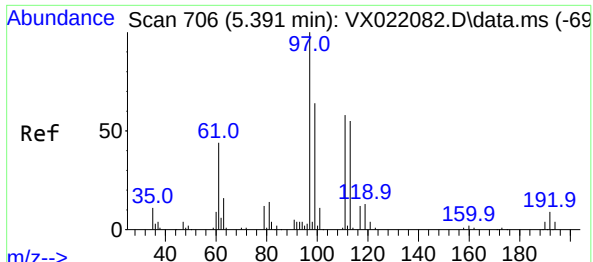


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

Tgt Ion: 114 Resp: 140387
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 15.4 0.0 32.8

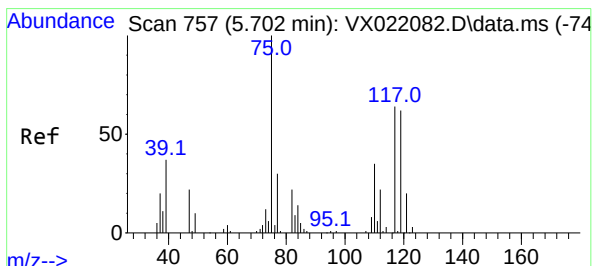
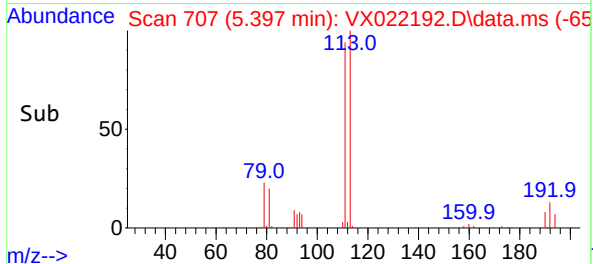
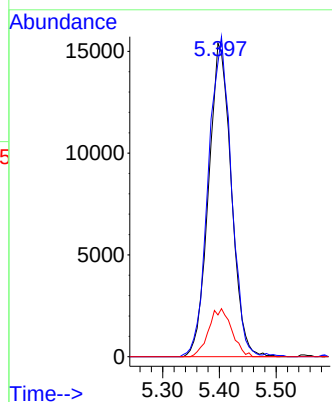
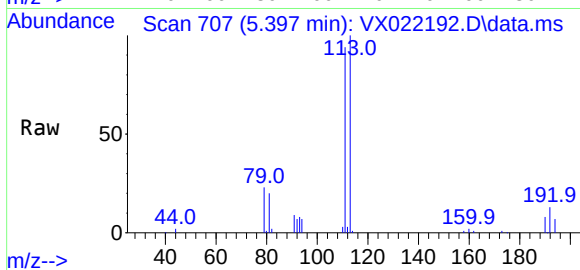




#35
Dibromofluoromethane
Concen: 48.07 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

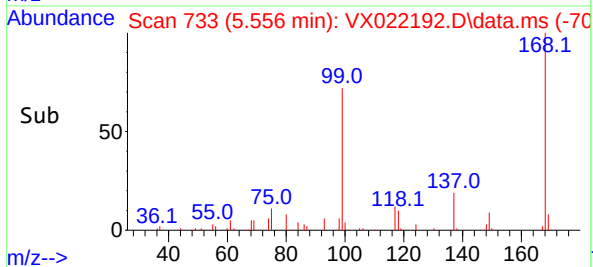
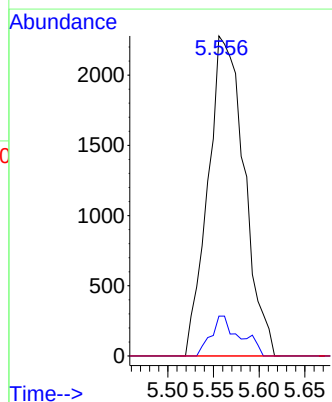
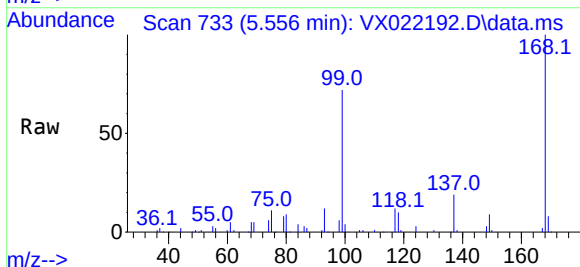
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-NO-FEEDS

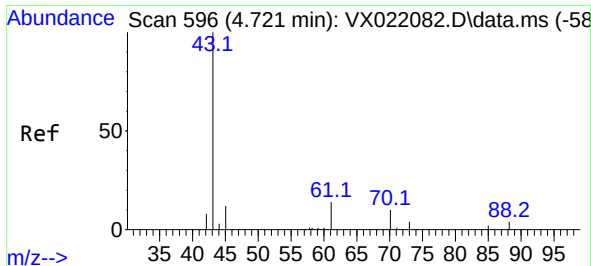
Tgt Ion:113 Resp: 42797
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 15.6 16.7 25.1#



#36
1,1-Dichloropropene
Concen: 4.83 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

Tgt Ion: 75 Resp: 6275
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.98 ug/l

RT: 4.696 min Scan# 592

Delta R.T. -0.025 min

Lab File: VX022192.D

Acq: 26 May 2021 13:07

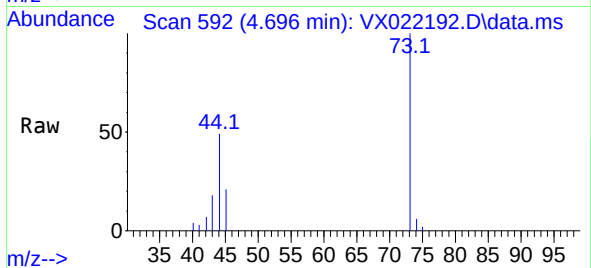
Tgt Ion: 43	Resp: 1555
Ion Ratio	Lower Upper
43	100
61	0.0 12.8 19.2#
70	0.0 10.5 15.7#

Instrument :

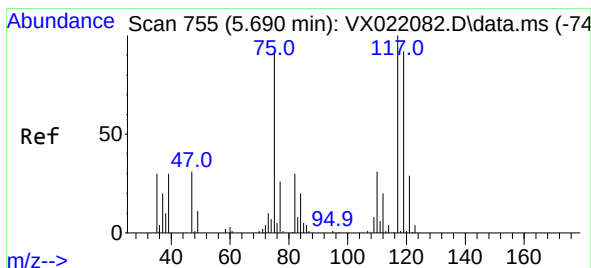
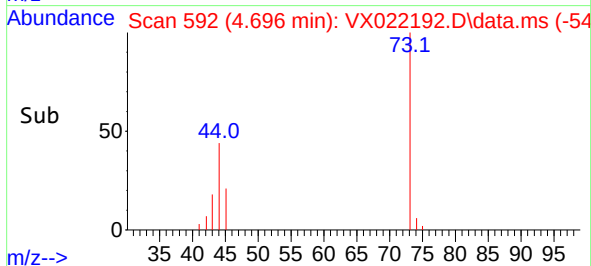
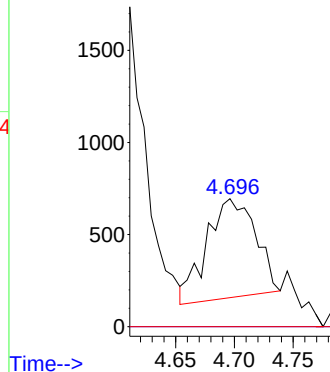
MSVOA_X

ClientSampleId :

WASTE-WATER-NO-FEEDS



Abundance



#38

Carbon Tetrachloride

Concen: 6.05 ug/l

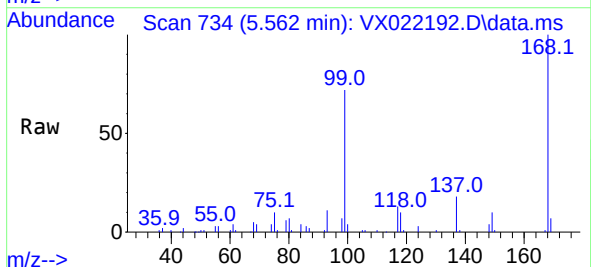
RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

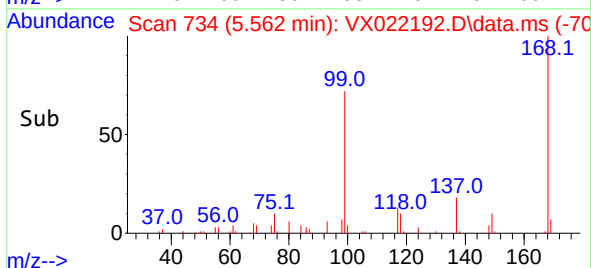
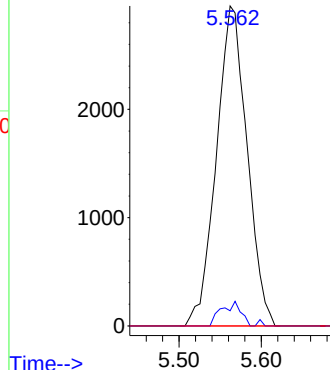
Lab File: VX022192.D

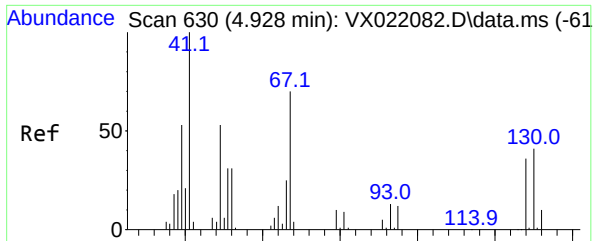
Acq: 26 May 2021 13:07

Tgt Ion: 117	Resp: 7681
Ion Ratio	Lower Upper
117	100
119	4.7 76.2 114.2#
121	0.0 24.8 37.2#



Abundance

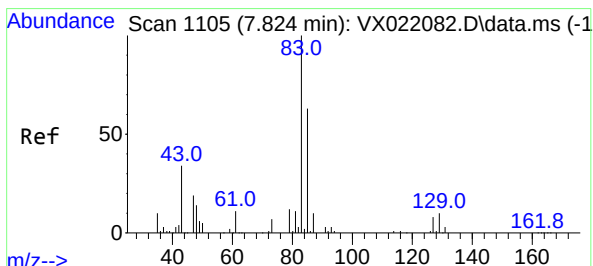
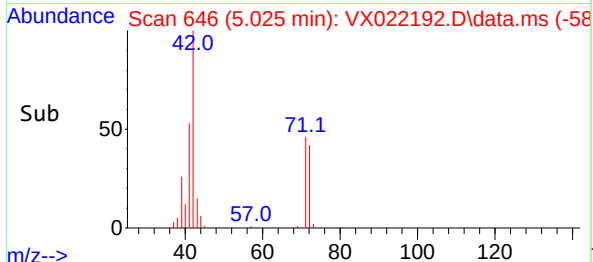
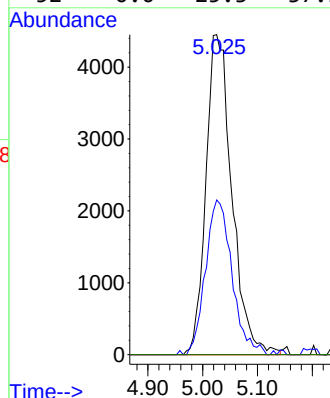
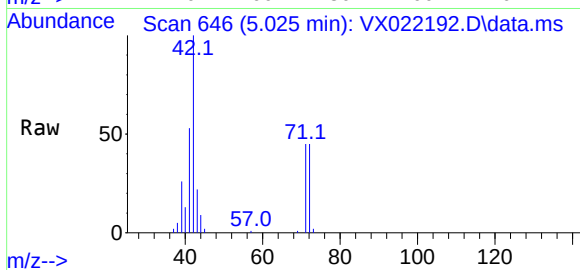




#41
Methacrylonitrile
Concen: 17.17 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.097 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

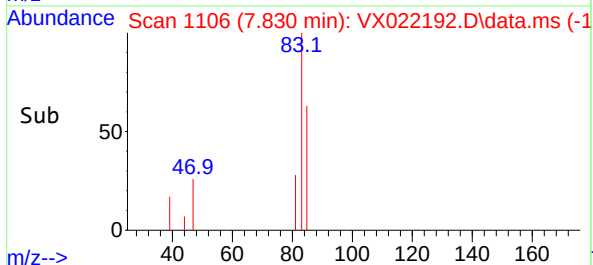
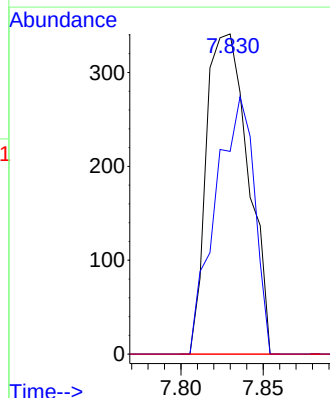
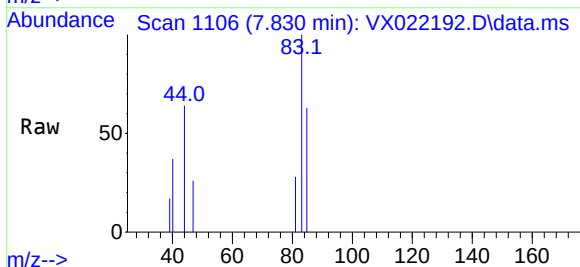
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-NO-FEEDS

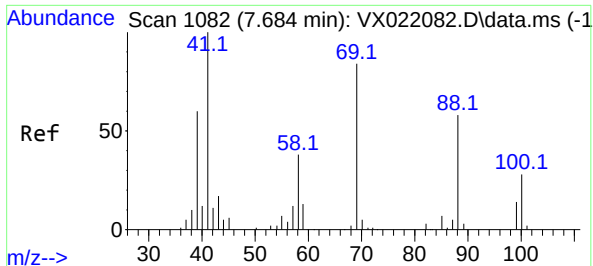
Tgt Ion:	41	Resp:	14616
Ion	Ratio	Lower	Upper
41	100		
39	49.4	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#47
Bromodichloromethane
Concen: 0.44 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

Tgt Ion:	83	Resp:	602
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.4	77.0
127	0.0	6.8	10.2#





#49

1,4-Dioxane

Concen: 69.66 ug/l

RT: 7.671 min Scan# 1080

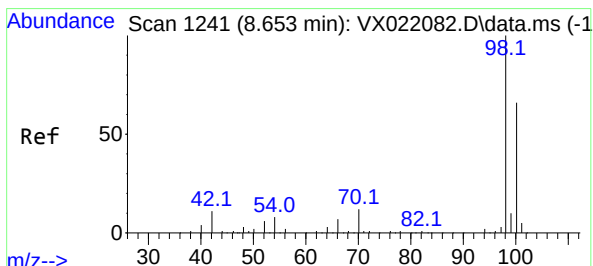
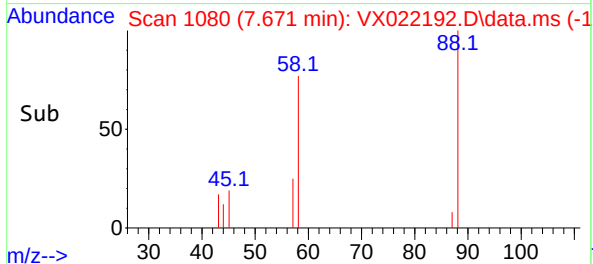
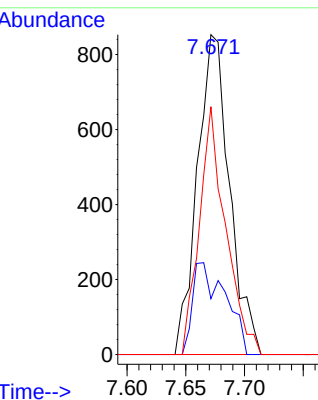
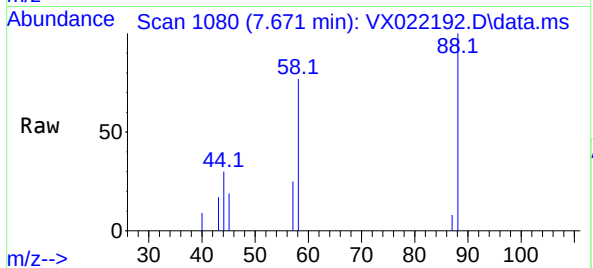
Delta R.T. -0.013 min

Lab File: VX022192.D

Acq: 26 May 2021 13:07

Tgt Ion: 88 Resp: 1627

Ion	Ratio	Lower	Upper
88	100		
43	29.0	23.2	34.8
58	63.4	55.0	82.4



#50

Toluene-d8

Concen: 49.15 ug/l

RT: 8.653 min Scan# 1241

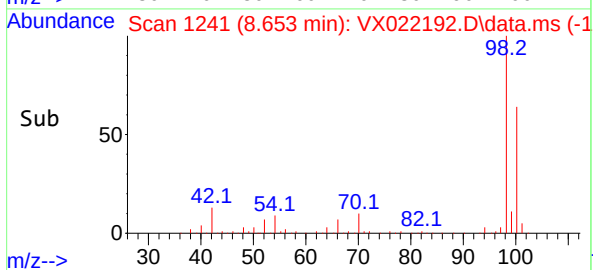
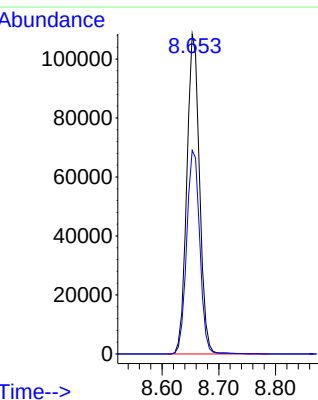
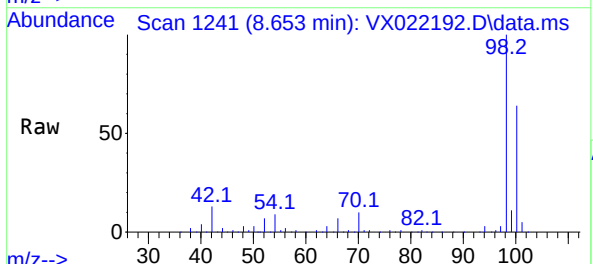
Delta R.T. -0.000 min

Lab File: VX022192.D

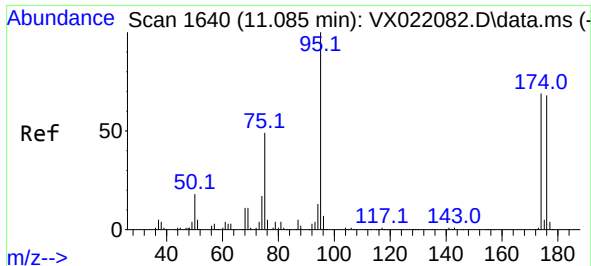
Acq: 26 May 2021 13:07

Tgt Ion: 98 Resp: 168540

Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.9	77.9



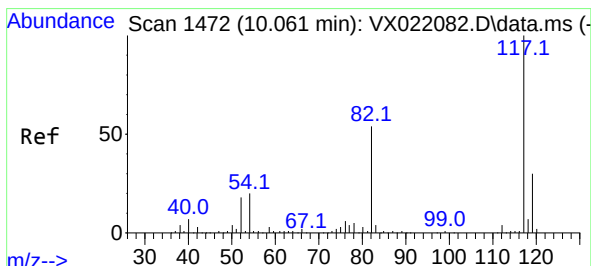
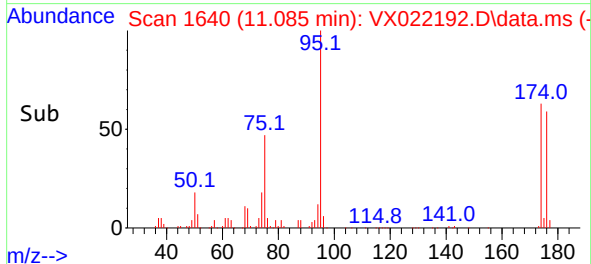
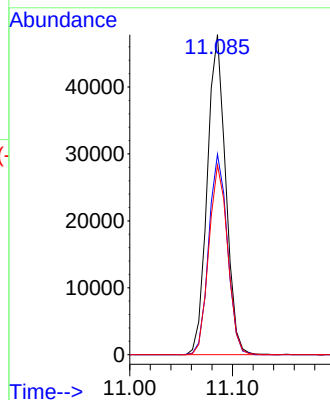
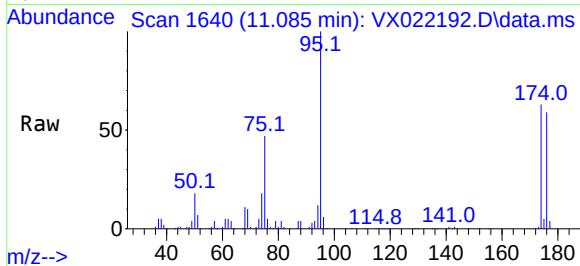
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-NO-FEEDS



#62
4-Bromofluorobenzene
Concen: 46.94 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

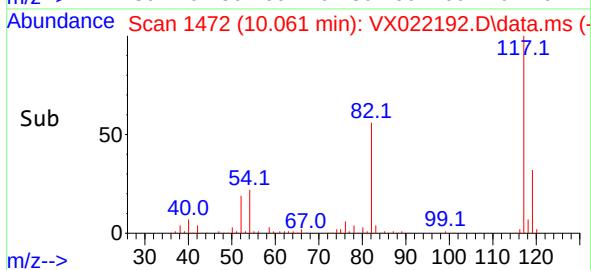
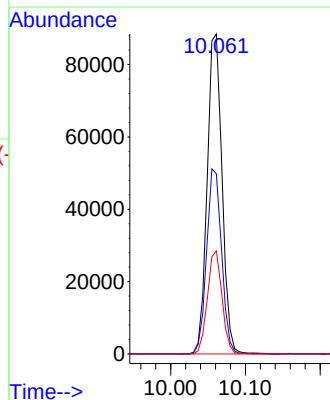
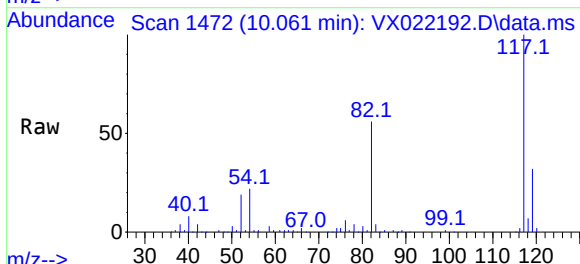
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-NO-FEEDS

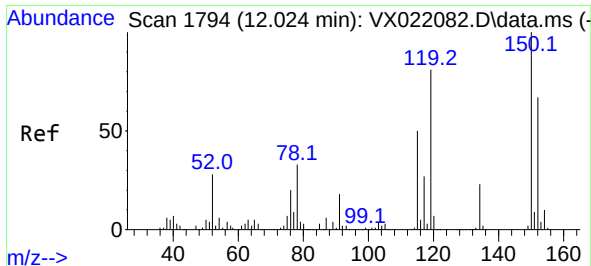
Tgt Ion: 95 Resp: 59502
Ion Ratio Lower Upper
95 100
174 63.1 0.0 154.6
176 60.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

Tgt Ion: 117 Resp: 122297
Ion Ratio Lower Upper
117 100
82 56.3 47.4 71.2
119 32.2 26.6 39.8

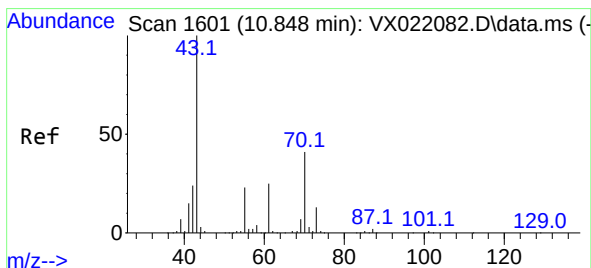
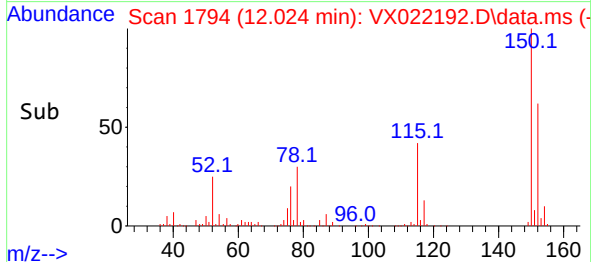
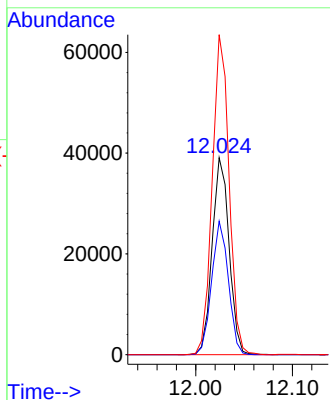
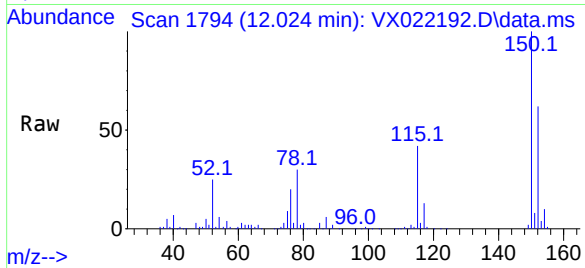




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

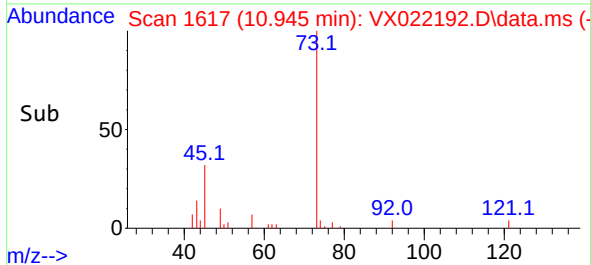
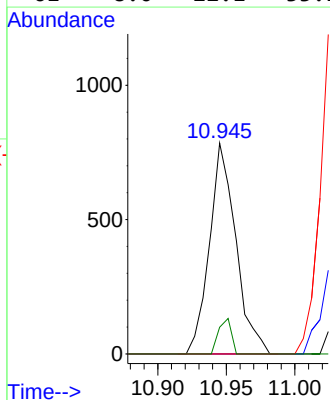
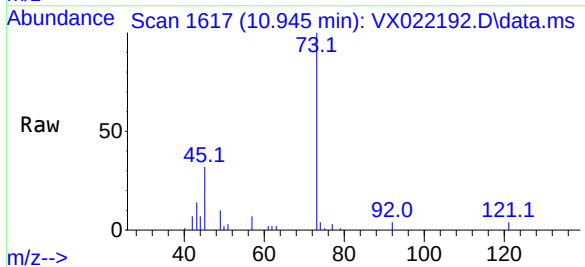
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-NO-FEEDS

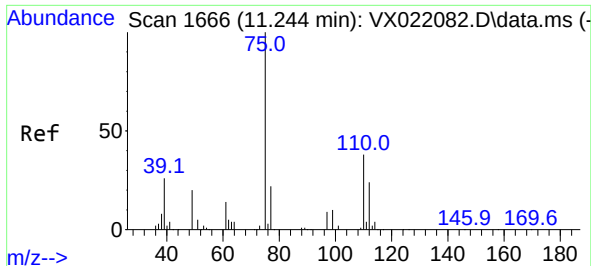
Tgt Ion:152 Resp: 47567
Ion Ratio Lower Upper
152 100
115 66.8 41.1 123.3
150 161.0 0.0 349.0



#74
N-ethyl acetate
Concen: 0.55 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. 0.097 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

Tgt Ion: 43 Resp: 1049
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 8.0 22.1 33.1#

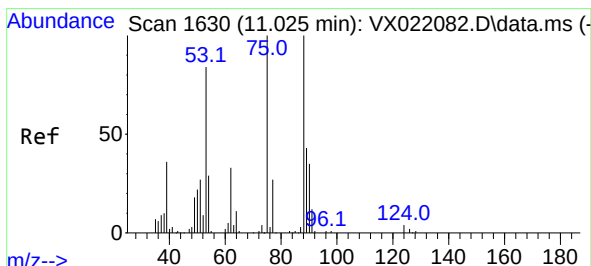
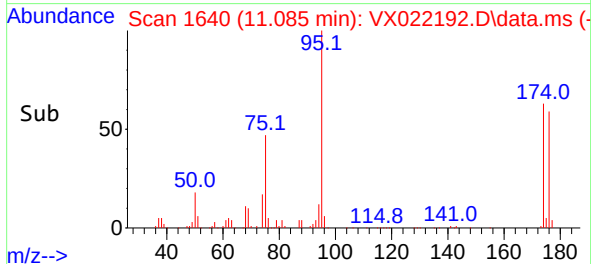
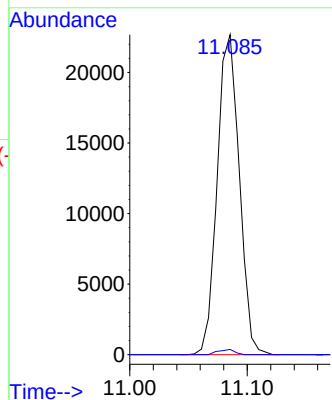
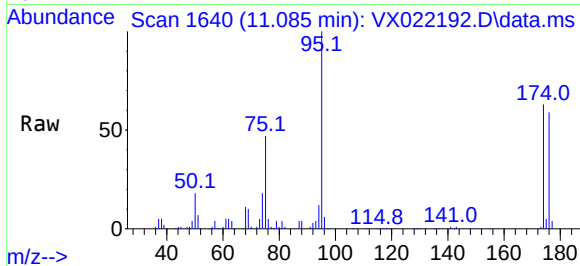




#76
1,2,3-Trichloropropane
Concen: 25.28 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-NO-FEEDS

Tgt Ion: 75 Resp: 29660
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.89 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX022192.D
Acq: 26 May 2021 13:07

Tgt Ion: 75 Resp: 29660
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

