

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072722\
 Data File : VX030258.D
 Acq On : 28 Jul 2022 02:23
 Operator : JC/MD
 Sample : N3839-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-DE-WC-1

Quant Time: Jul 28 05:57:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

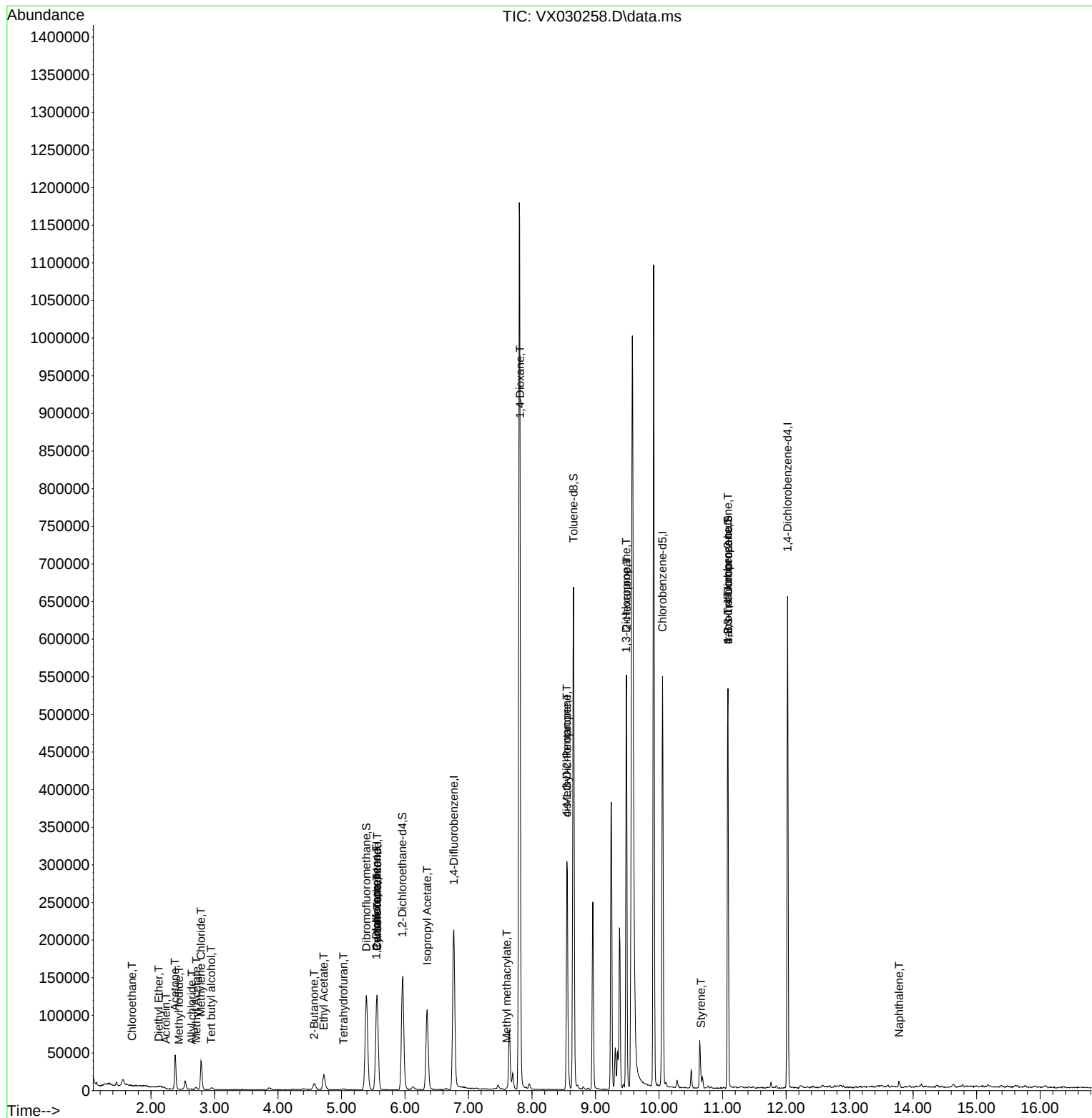
Internal Standards						
1) Pentafluorobenzene	5.556	168	116717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	216484	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	232568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	126950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	141944	60.506	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.020%			
35) Dibromofluoromethane	5.391	113	109427	52.877	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.760%			
50) Toluene-d8	8.653	98	391241	48.818	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.640%			
62) 4-Bromofluorobenzene	11.085	95	144558	48.602	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.200%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	311	Below Cal	#	71
6) Chloroethane	1.703	64	324	0.295	ug/l #	77
8) Diethyl Ether	2.124	74	293	0.297	ug/l	76
10) Methyl Iodide	2.441	142	58	1.556	ug/l #	45
11) Tert butyl alcohol	2.947	59	2547	4.451	ug/l #	95
13) Acrolein	2.233	56	79	0.562	ug/l #	14
14) Allyl chloride	2.642	41	888	0.236	ug/l #	60
16) Acetone	2.380	43	49359	41.096	ug/l	97
18) Methyl Acetate	2.715	43	3968	1.117	ug/l #	89
20) Methylene Chloride	2.788	84	16190	5.613	ug/l	97
25) 2-Butanone	4.568	43	15533	7.696	ug/l	96
29) Tetrahydrofuran	5.032	42	1556	1.146	ug/l #	78
31) Cyclohexane	5.556	56	3034	0.891	ug/l #	12
36) 1,1-Dichloropropene	5.550	75	9798	3.290	ug/l #	40
37) Ethyl Acetate	4.721	43	34643	8.214	ug/l	98
38) Carbon Tetrachloride	5.562	117	12389	4.456	ug/l #	17
43) Isopropyl Acetate	6.348	43	145964	23.609	ug/l	96
48) Methyl methacrylate	7.604	41	3699	1.216	ug/l #	13
49) 1,4-Dioxane	7.812	88	200	2.846	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	110609	26.352	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	47212	13.008	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	4637	1.154	ug/l #	43
59) 2-Hexanone	9.488	43	67360	20.342	ug/l #	50
67) Ethyl Benzene	10.195	91	418	Below Cal	#	40
70) Styrene	10.659	104	4837	0.698	ug/l	97
76) 1,2,3-Trichloropropane	11.085	75	72304	21.607	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	72304	64.819	ug/l #	13
95) Naphthalene	13.780	128	5300	0.527	ug/l	98

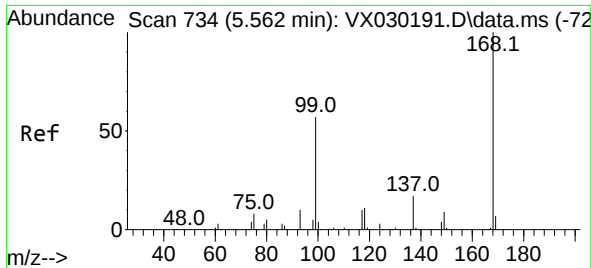
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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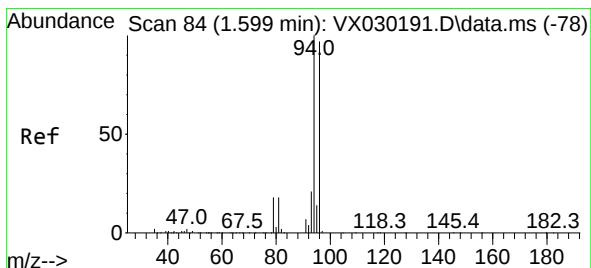
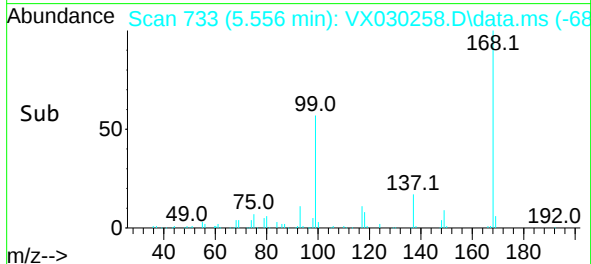
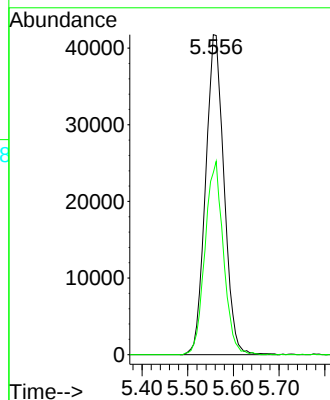
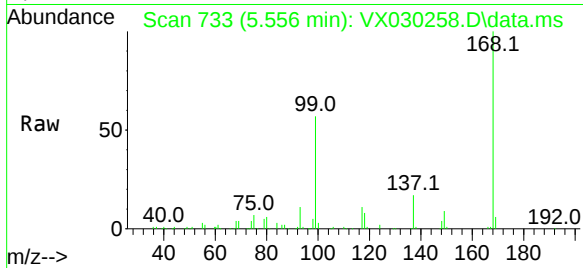




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

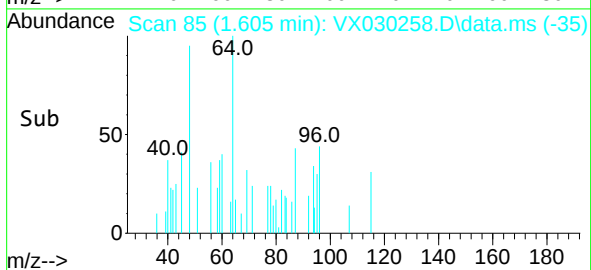
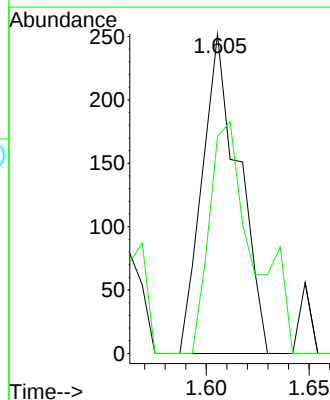
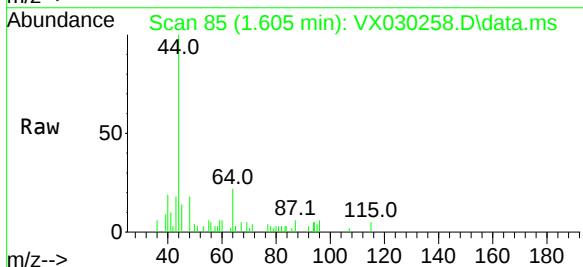
Instrument :
MSVOA_X
ClientSampleId :
ENV-DE-WC-1

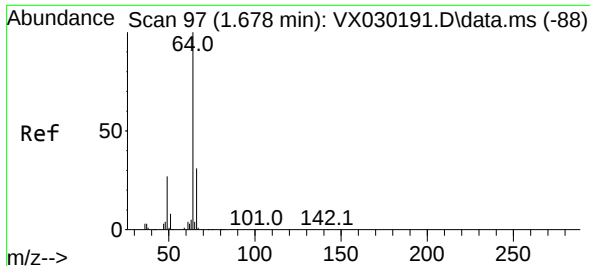
Tgt Ion:168 Resp: 116717
Ion Ratio Lower Upper
168 100
99 56.9 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

Tgt Ion: 94 Resp: 311
Ion Ratio Lower Upper
94 100
96 67.9 76.9 115.3#

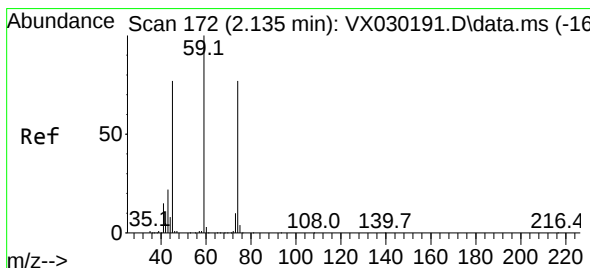
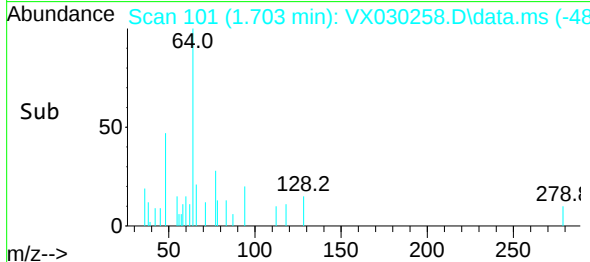
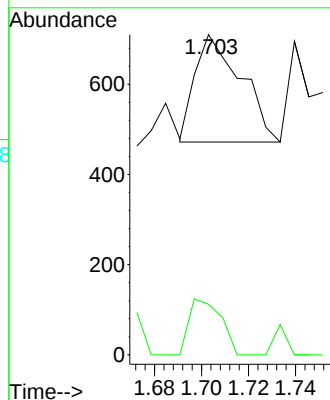
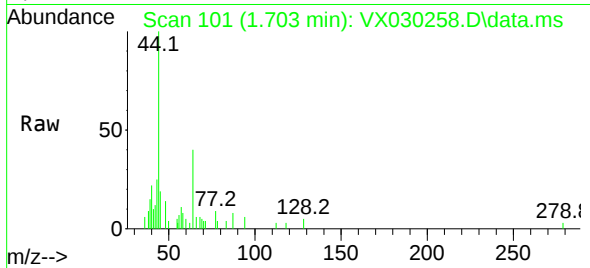




#6
Chloroethane
Concen: 0.295 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.025 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

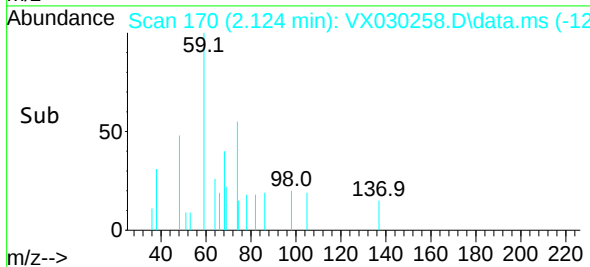
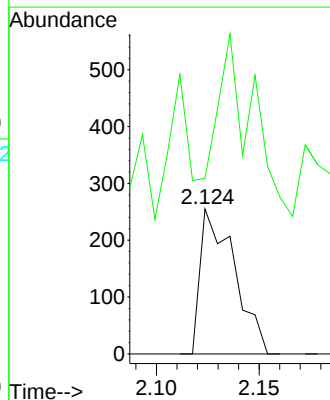
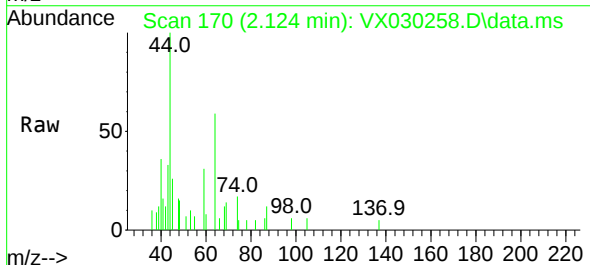
Instrument :
MSVOA_X
ClientSampleId :
ENV-DE-WC-1

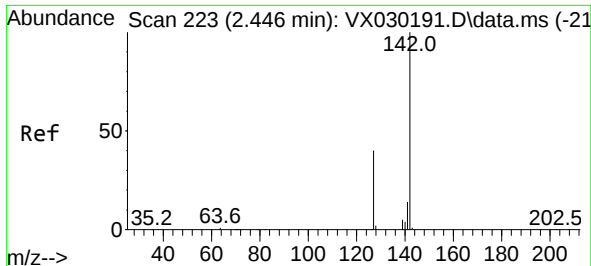
Tgt Ion: 64 Resp: 324
Ion Ratio Lower Upper
64 100
66 47.1 27.2 40.8#



#8
Diethyl Ether
Concen: 0.297 ug/l
RT: 2.124 min Scan# 170
Delta R.T. -0.011 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

Tgt Ion: 74 Resp: 293
Ion Ratio Lower Upper
74 100
45 128.0 51.5 154.7

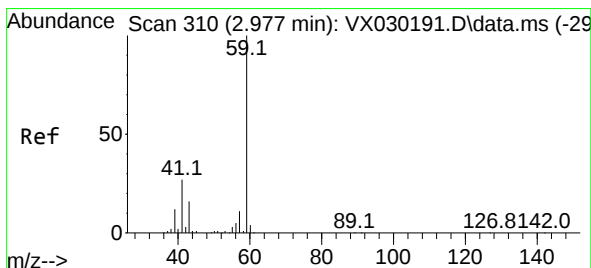
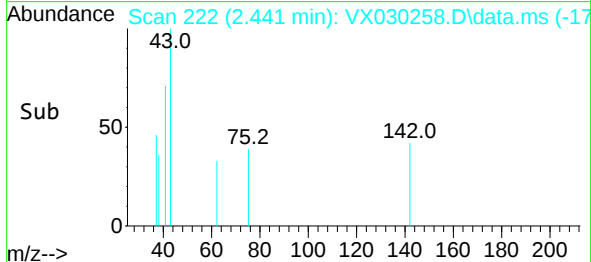
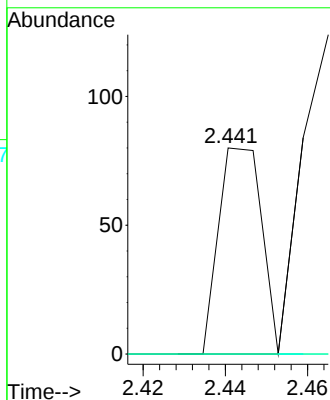
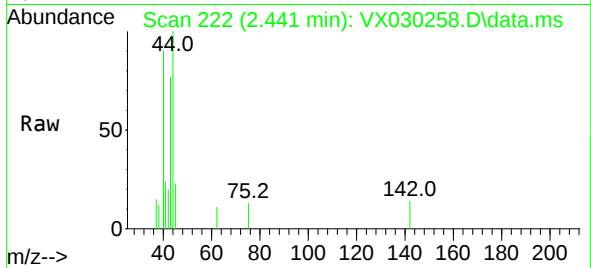




#10
Methyl Iodide
Concen: 1.556 ug/l
RT: 2.441 min Scan# 21
Delta R.T. -0.005 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

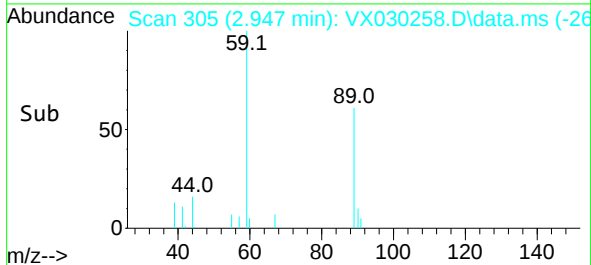
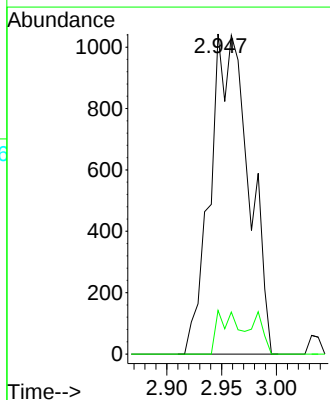
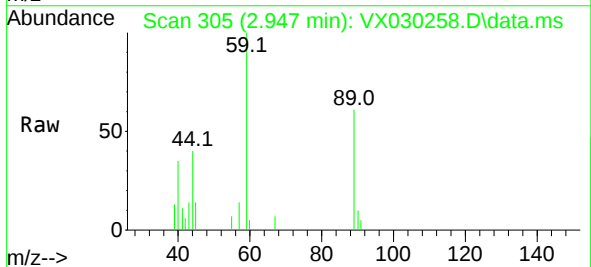
Instrument :
MSVOA_X
ClientSampleId :
ENV-DE-WC-1

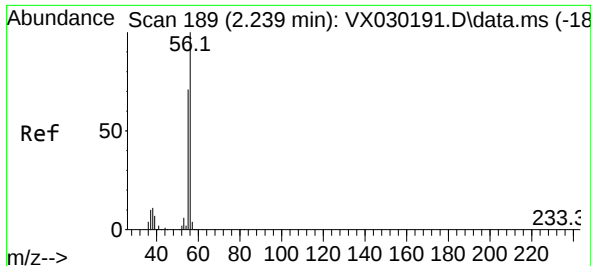
Tgt Ion:142 Resp: 58
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 4.451 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

Tgt Ion: 59 Resp: 2547
Ion Ratio Lower Upper
59 100
57 7.4 7.4 11.2#

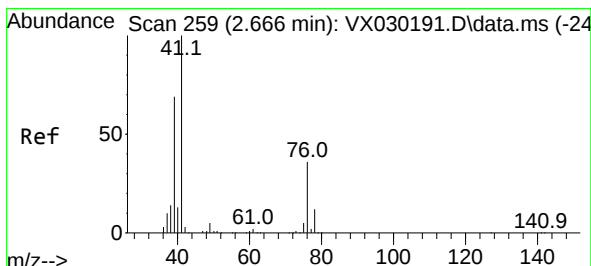
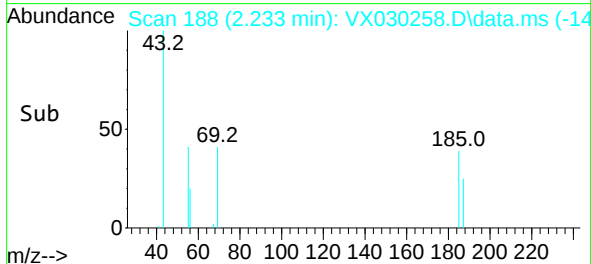
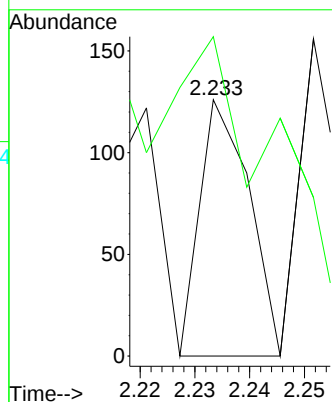
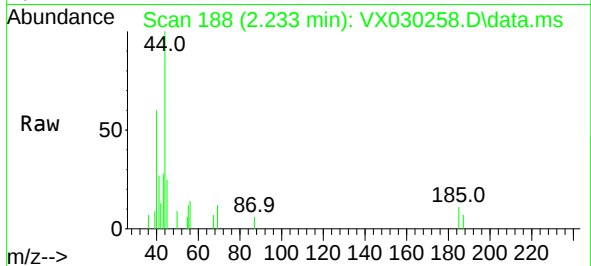




#13
Acrolein
Concen: 0.562 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

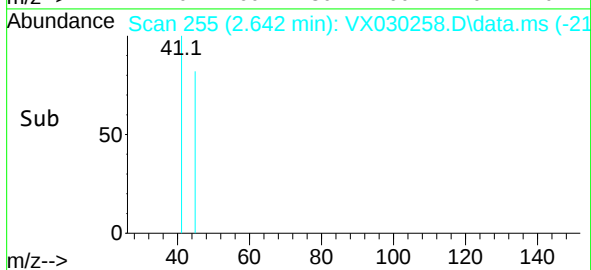
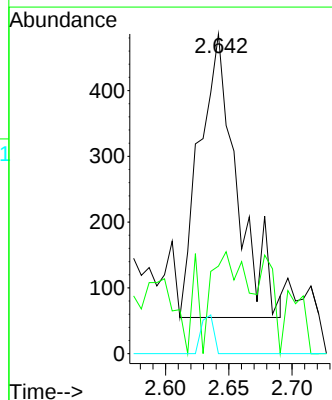
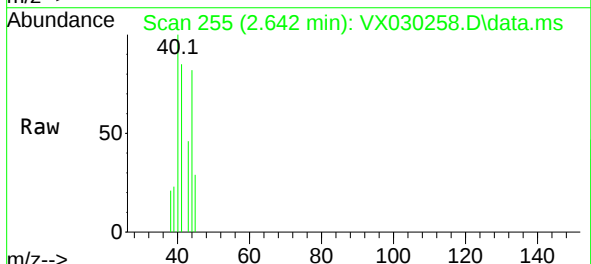
Instrument :
MSVOA_X
ClientSampleId :
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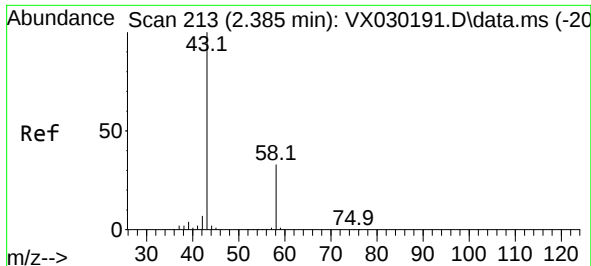
Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#14
Allyl chloride
Concen: 0.236 ug/l
RT: 2.642 min Scan# 255
Delta R.T. -0.024 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

Tgt Ion: 41 Resp: 888
Ion Ratio Lower Upper
41 100
39 34.9 48.9 73.3#
76 4.5 26.9 40.3#

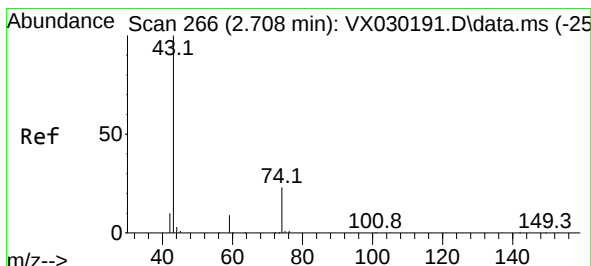
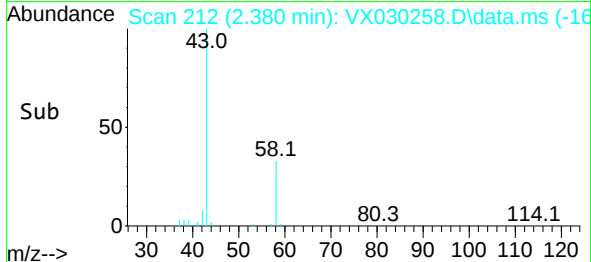
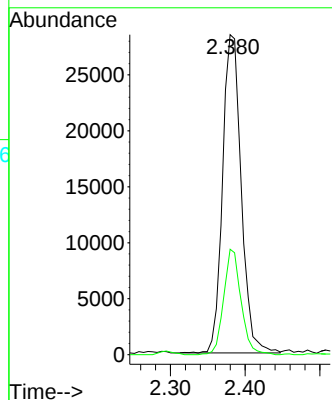
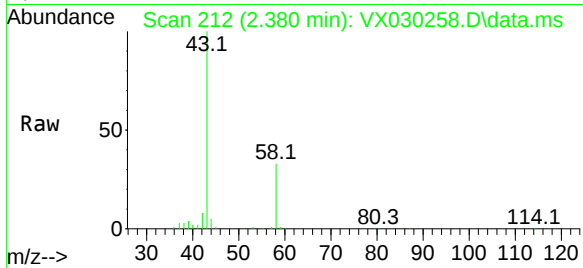




#16
Acetone
Concen: 41.096 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.005 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

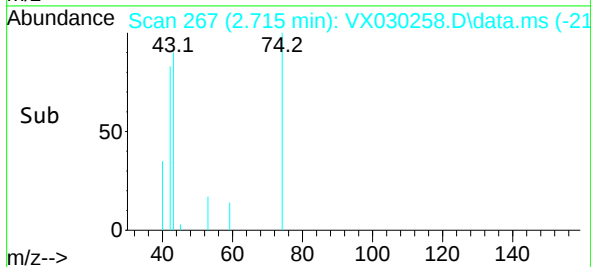
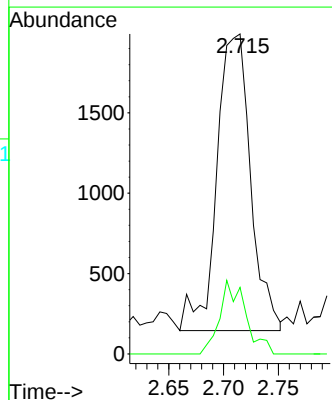
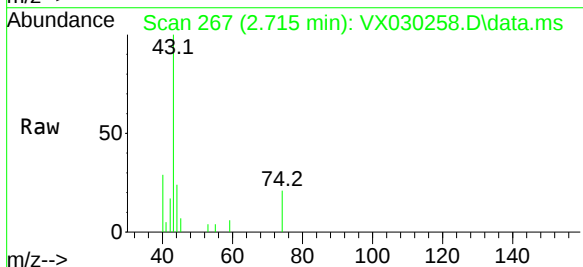
Instrument :
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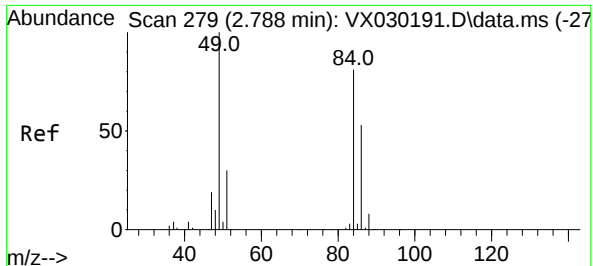
Tgt Ion: 43 Resp: 49359
Ion Ratio Lower Upper
43 100
58 33.2 27.7 41.5



#18
Methyl Acetate
Concen: 1.117 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.007 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

Tgt Ion: 43 Resp: 3968
Ion Ratio Lower Upper
43 100
74 19.0 19.4 29.2#





#20

Methylene Chloride

Concen: 5.613 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX030258.D

Acq: 28 Jul 2022 02:23

Instrument :

MSVOA_X

ClientSampleId :

ENV-DE-WC-1

Tgt Ion: 84 Resp: 16190

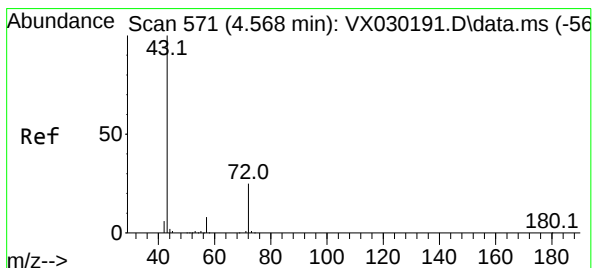
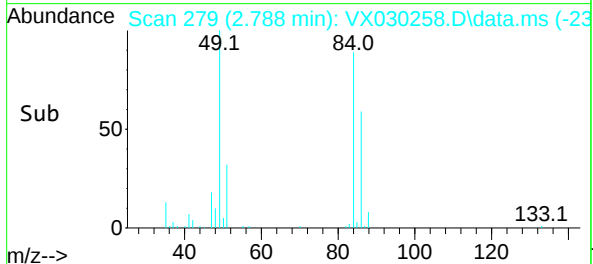
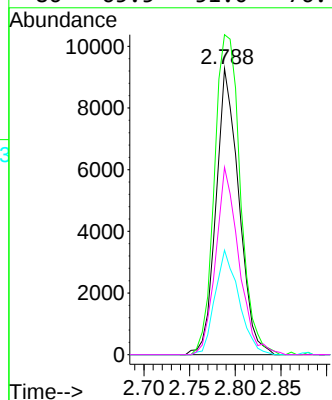
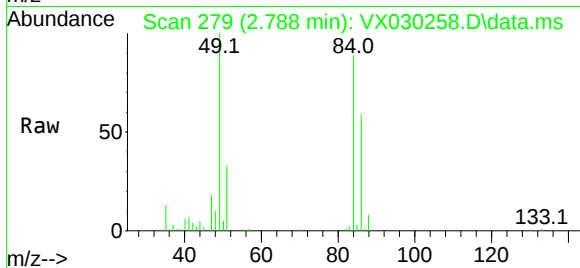
Ion Ratio Lower Upper

84 100

49 111.8 93.8 140.6

51 36.5 29.4 44.0

86 65.5 51.0 76.4



#25

2-Butanone

Concen: 7.696 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.000 min

Lab File: VX030258.D

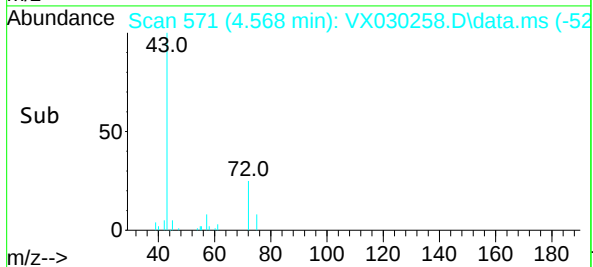
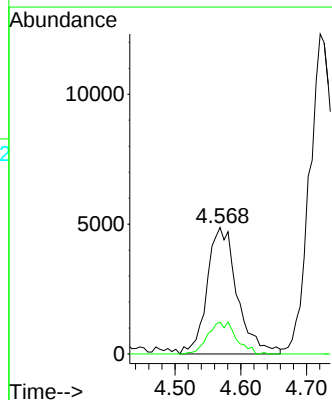
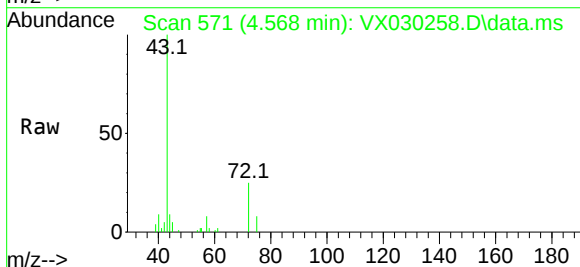
Acq: 28 Jul 2022 02:23

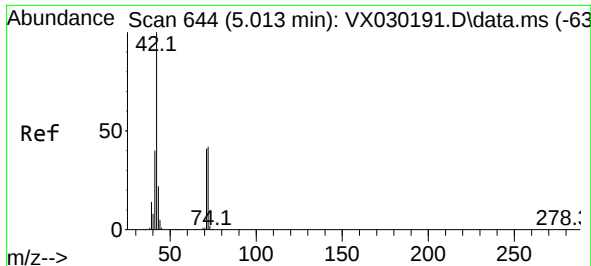
Tgt Ion: 43 Resp: 15533

Ion Ratio Lower Upper

43 100

72 25.2 21.7 32.5





#29

Tetrahydrofuran

Concen: 1.146 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.019 min

Lab File: VX030258.D

Acq: 28 Jul 2022 02:23

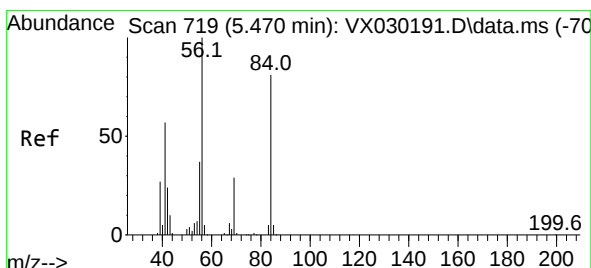
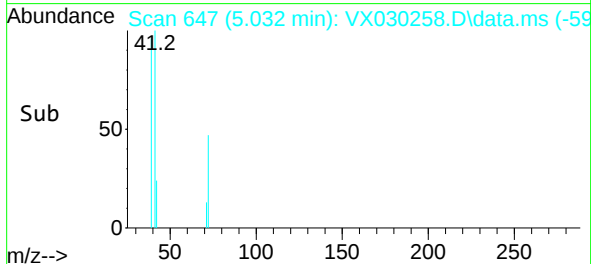
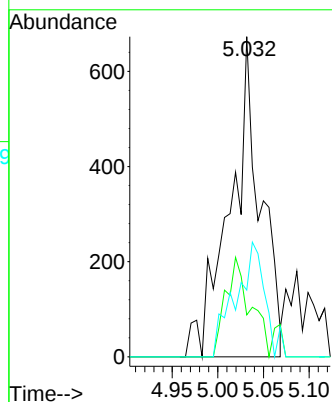
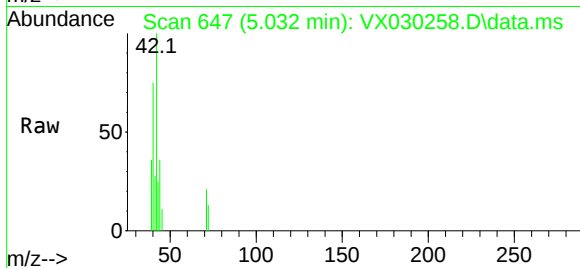
Instrument :

MSVOA_X

ClientSampleId :

ENV-DE-WC-1

Tgt Ion: 42	Resp: 1556
Ion Ratio	Lower Upper
42	100
72	25.3 36.5 54.7#
71	34.3 33.9 50.9



#31

Cyclohexane

Concen: 0.891 ug/l

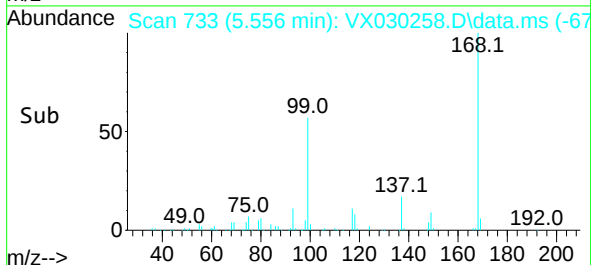
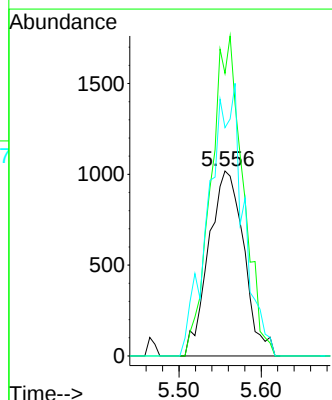
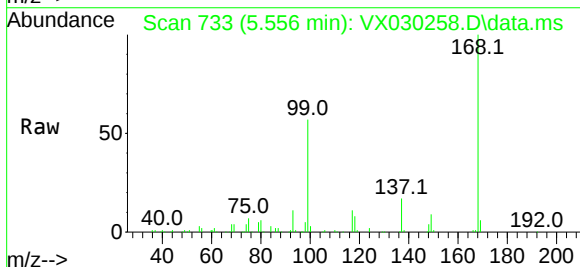
RT: 5.556 min Scan# 733

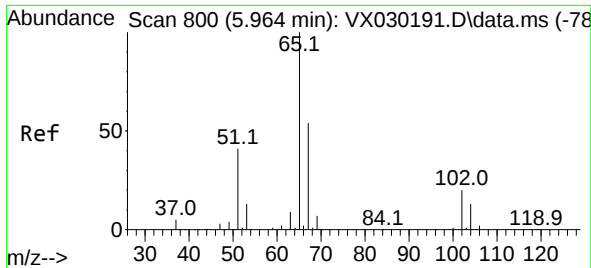
Delta R.T. 0.086 min

Lab File: VX030258.D

Acq: 28 Jul 2022 02:23

Tgt Ion: 56	Resp: 3034
Ion Ratio	Lower Upper
56	100
69	152.8 25.4 38.0#
84	123.5 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 60.506 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX030258.D

Acq: 28 Jul 2022 02:23

Instrument :

MSVOA_X

ClientSampleId :

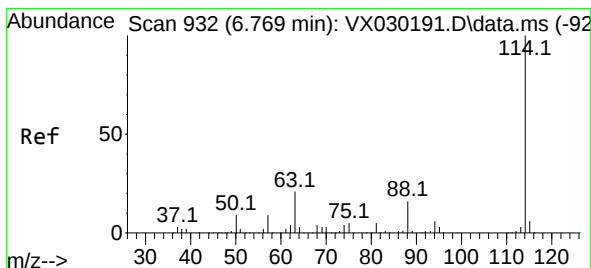
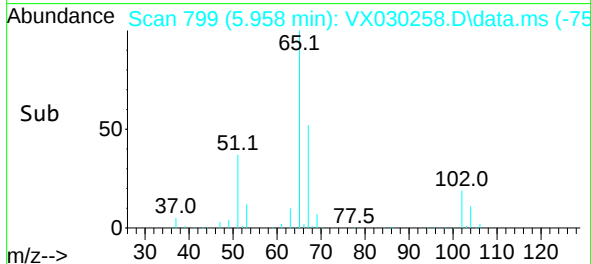
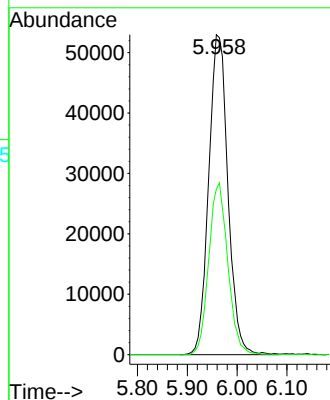
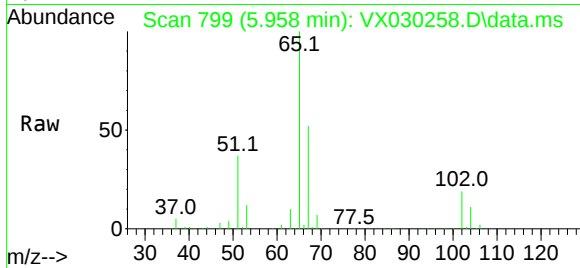
ENV-DE-WC-1

Tgt Ion: 65 Resp: 141944

Ion Ratio Lower Upper

65 100

67 53.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX030258.D

Acq: 28 Jul 2022 02:23

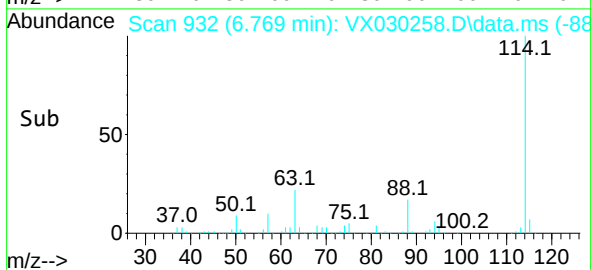
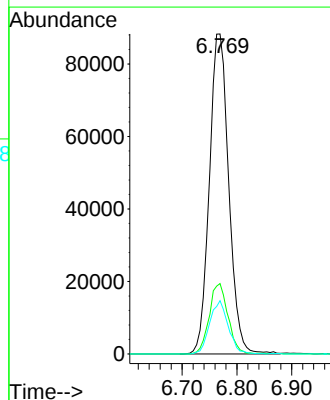
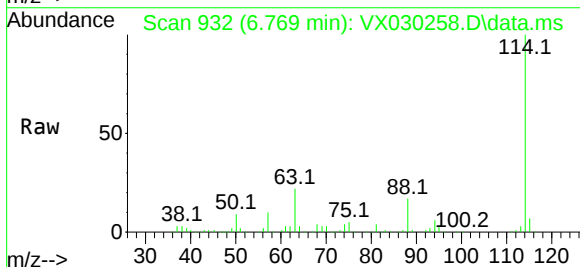
Tgt Ion:114 Resp: 216484

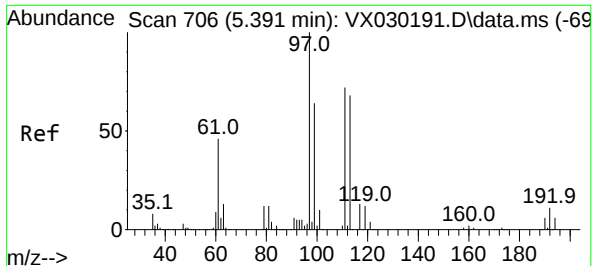
Ion Ratio Lower Upper

114 100

63 22.0 0.0 38.4

88 16.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 52.877 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030258.D

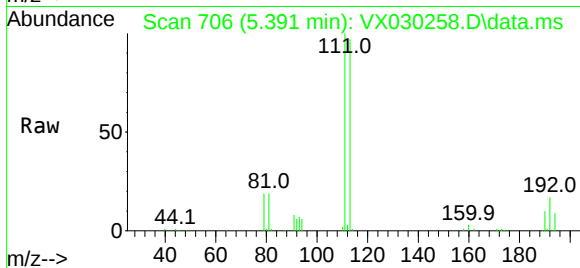
Acq: 28 Jul 2022 02:23

Instrument :

MSVOA_X

ClientSampleId :

ENV-DE-WC-1



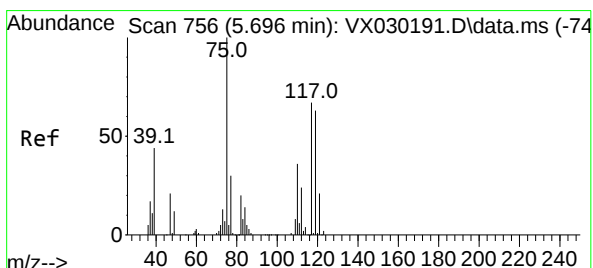
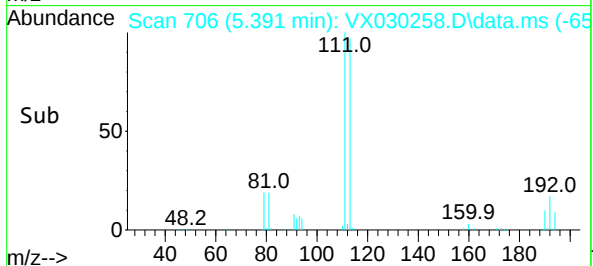
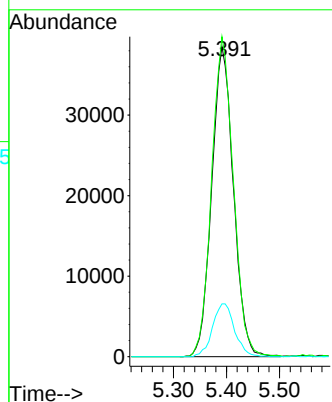
Tgt Ion:113 Resp: 109427

Ion Ratio Lower Upper

113 100

111 103.3 83.2 124.8

192 17.3 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.290 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX030258.D

Acq: 28 Jul 2022 02:23

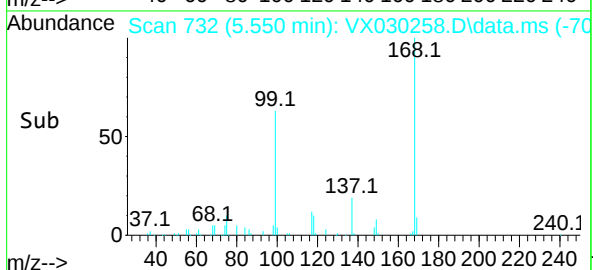
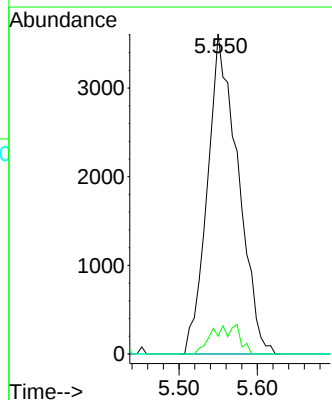
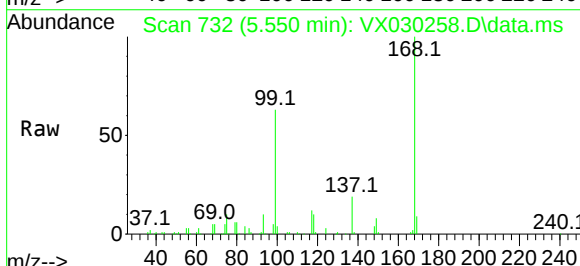
Tgt Ion: 75 Resp: 9798

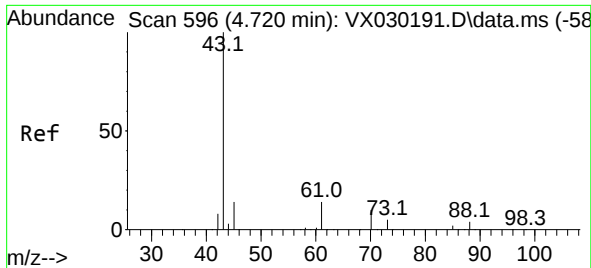
Ion Ratio Lower Upper

75 100

110 0.0 19.3 57.9#

77 0.0 24.4 36.6#

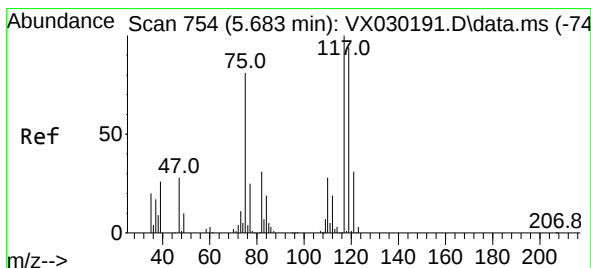
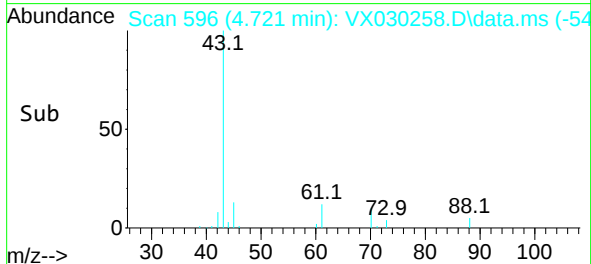
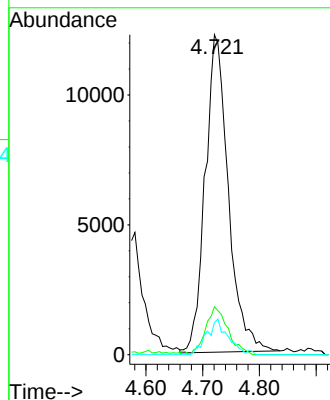
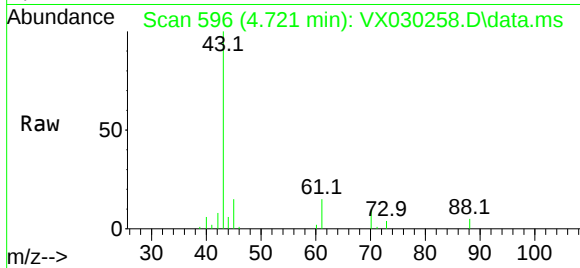




#37
Ethyl Acetate
Concen: 8.214 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.001 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

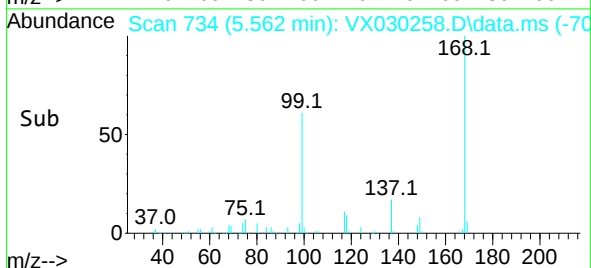
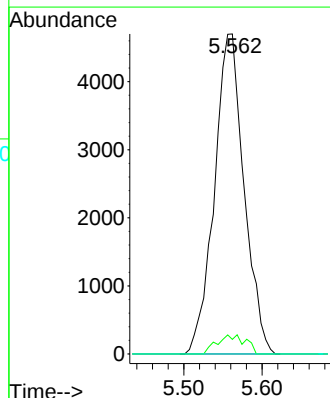
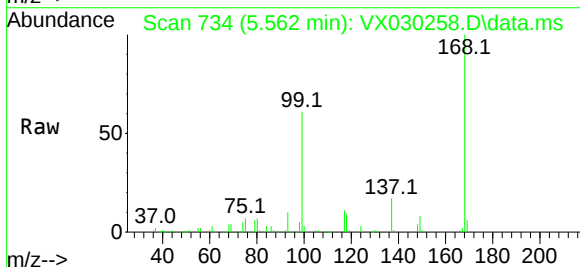
Instrument :
MSVOA_X
ClientSampleId :
ENV-DE-WC-1

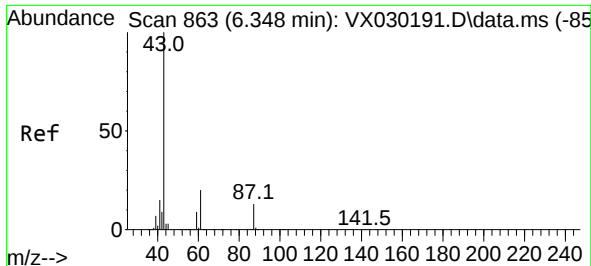
Tgt Ion: 43	Resp:	34643
Ion	Ratio	Lower Upper
43	100	
61	14.4	11.7 17.5
70	10.4	9.3 13.9



#38
Carbon Tetrachloride
Concen: 4.456 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.121 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

Tgt Ion: 117	Resp:	12389
Ion	Ratio	Lower Upper
117	100	
119	4.5	74.1 111.1#
121	0.0	25.8 38.8#

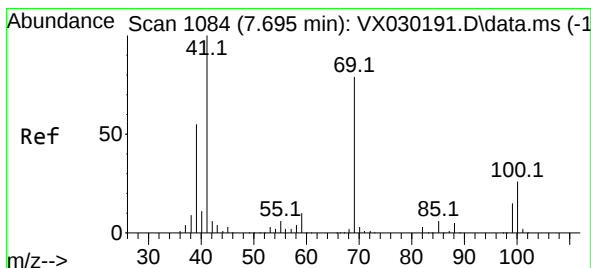
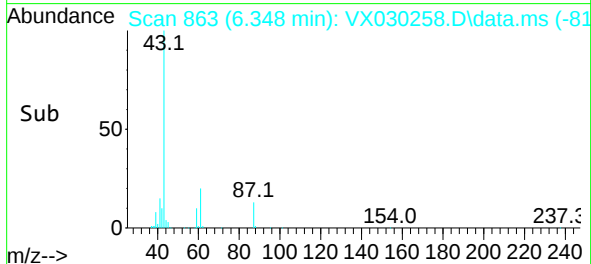
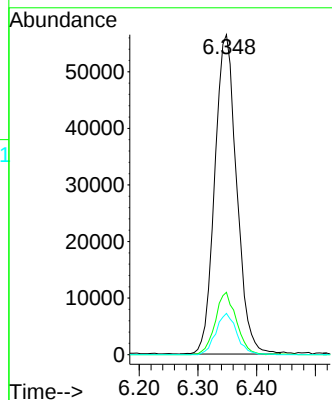
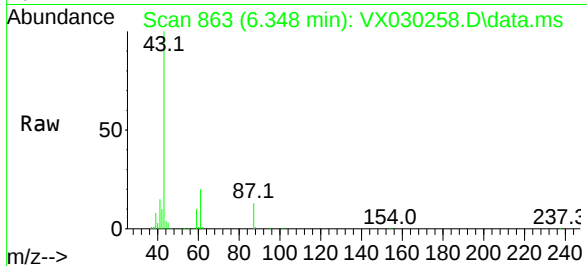




#43
Isopropyl Acetate
Concen: 23.609 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

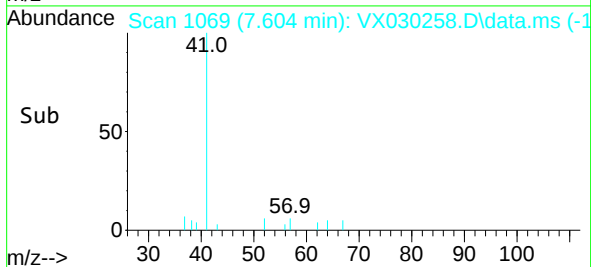
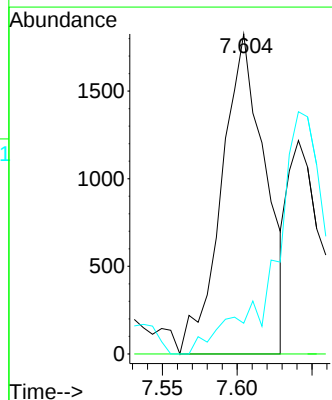
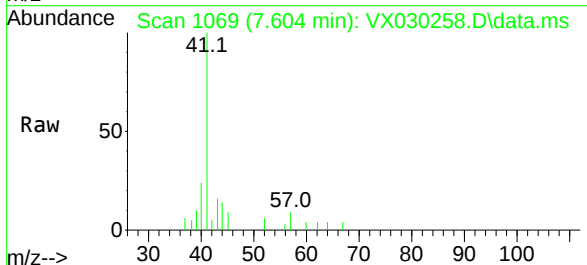
Instrument :
MSVOA_X
ClientSampleId :
ENV-DE-WC-1

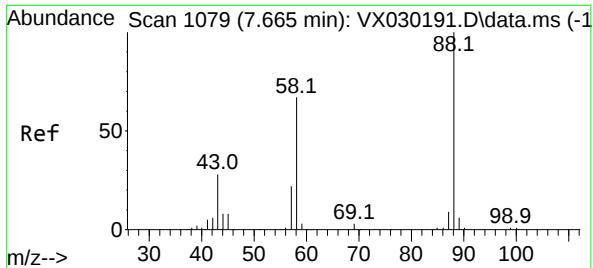
Tgt Ion: 43 Resp: 145964
Ion Ratio Lower Upper
43 100
61 18.9 16.5 24.7
87 12.3 11.1 16.7



#48
Methyl methacrylate
Concen: 1.216 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.091 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

Tgt Ion: 41 Resp: 3699
Ion Ratio Lower Upper
41 100
69 0.0 68.8 103.2#
39 0.0 44.6 66.8#

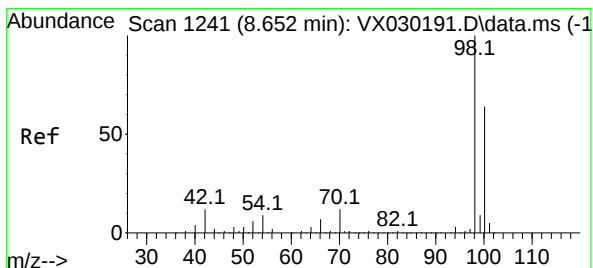
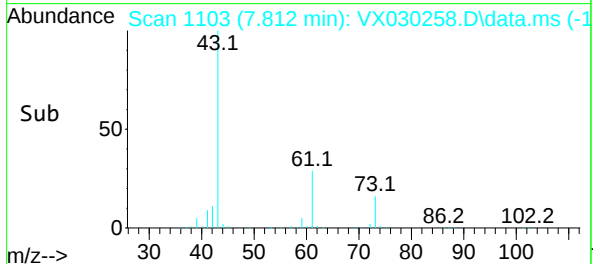
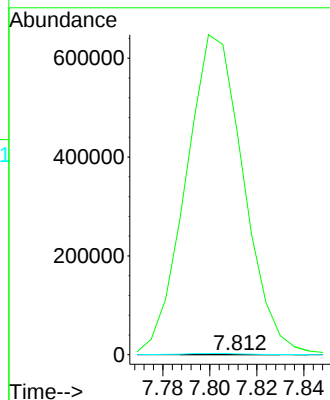
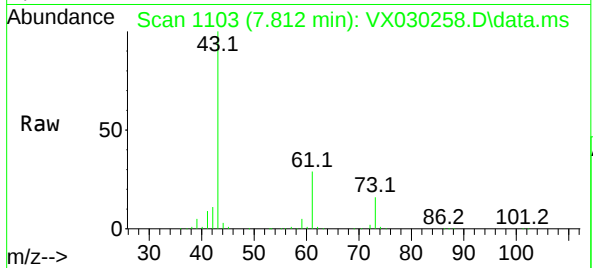




#49
1,4-Dioxane
Concen: 2.846 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.147 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

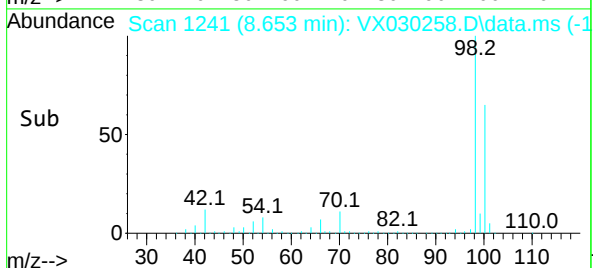
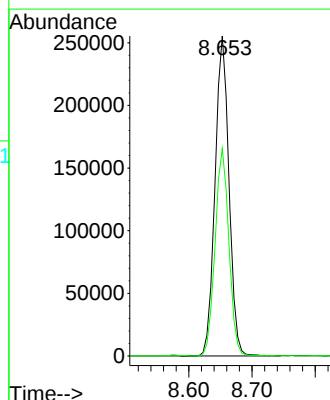
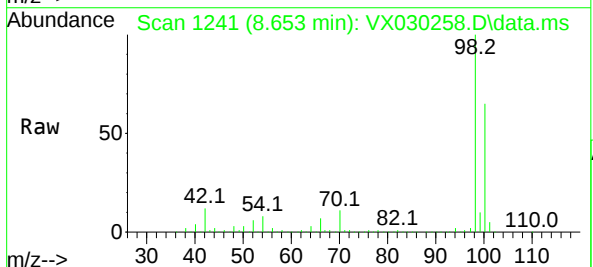
Instrument :
MSVOA_X
ClientSampleId :
ENV-DE-WC-1

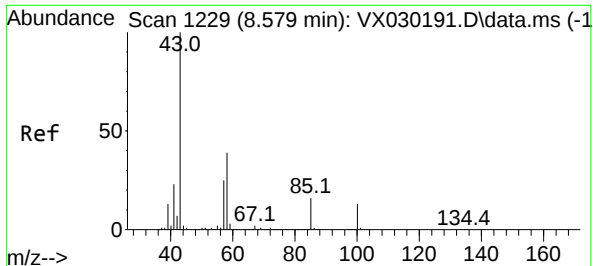
Tgt Ion: 88 Resp: 200
Ion Ratio Lower Upper
88 100
43 559535.0 23.8 35.8#
58 2355.0 53.8 80.6#



#50
Toluene-d8
Concen: 48.818 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

Tgt Ion: 98 Resp: 391241
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5

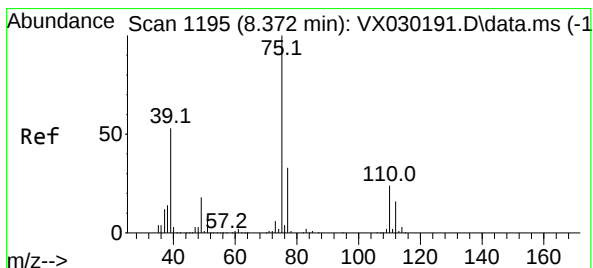
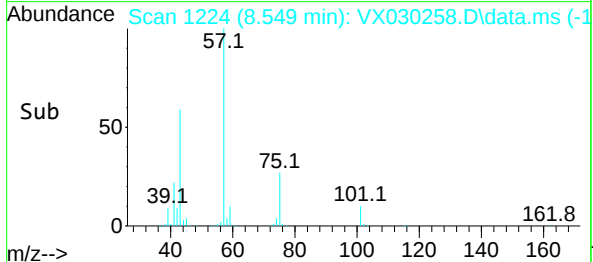
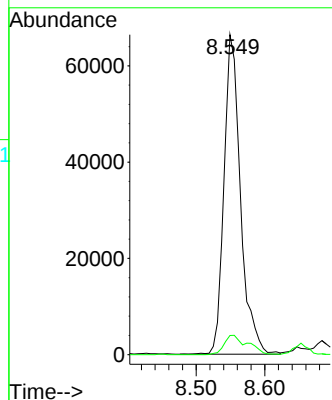
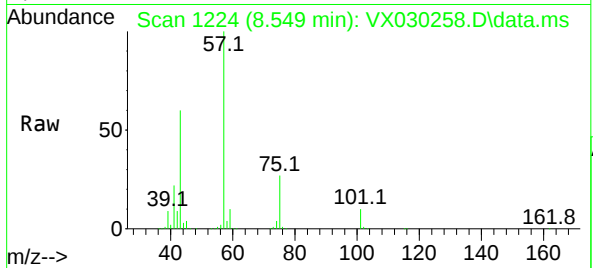




#51
4-Methyl-2-Pentanone
Concen: 26.352 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

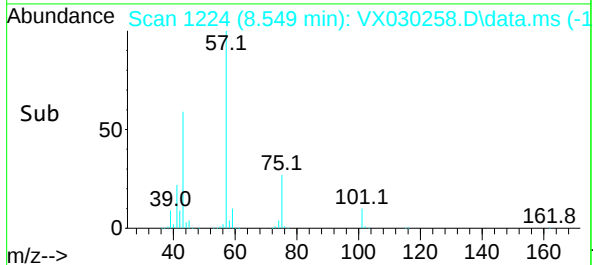
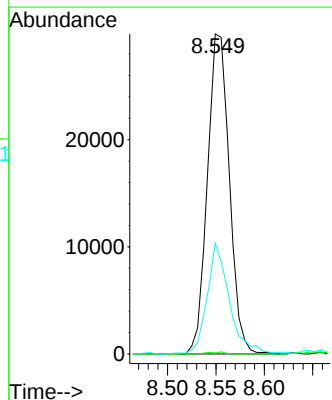
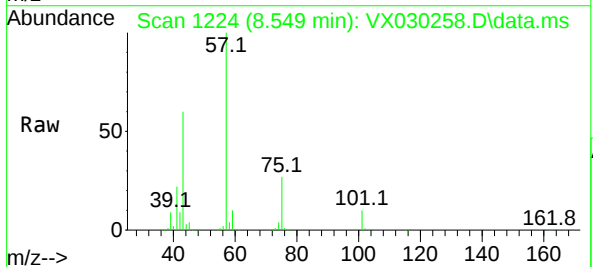
Instrument :
MSVOA_X
ClientSampleId :
ENV-DE-WC-1

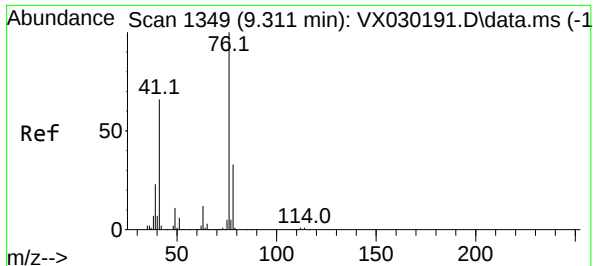
Tgt Ion: 43 Resp: 110609
Ion Ratio Lower Upper
43 100
58 8.7 31.4 47.2#



#54
cis-1,3-Dichloropropene
Concen: 13.008 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.177 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

Tgt Ion: 75 Resp: 47212
Ion Ratio Lower Upper
75 100
77 0.3 25.0 37.4#
39 34.3 37.5 56.3#





#57

1,3-Dichloropropane

Concen: 1.154 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX030258.D

Acq: 28 Jul 2022 02:23

Instrument :

MSVOA_X

ClientSampleId :

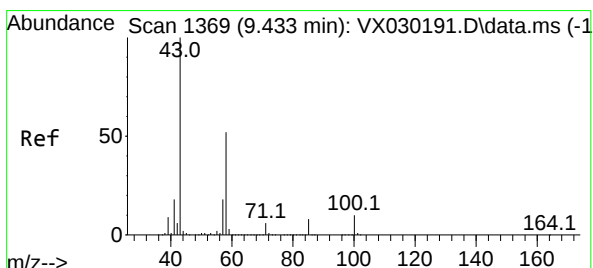
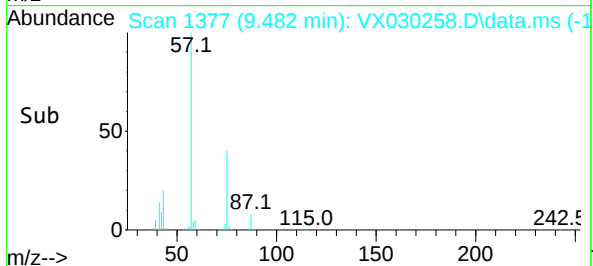
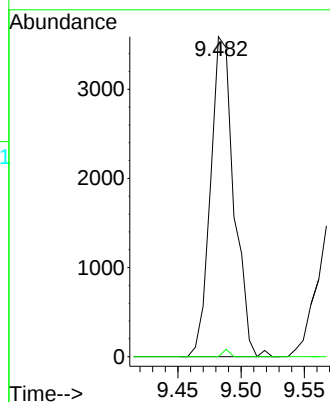
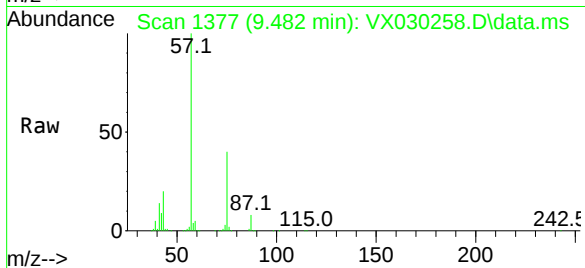
ENV-DE-WC-1

Tgt Ion: 76 Resp: 4637

Ion Ratio Lower Upper

76 100

78 0.6 25.9 38.9#



#59

2-Hexanone

Concen: 20.342 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX030258.D

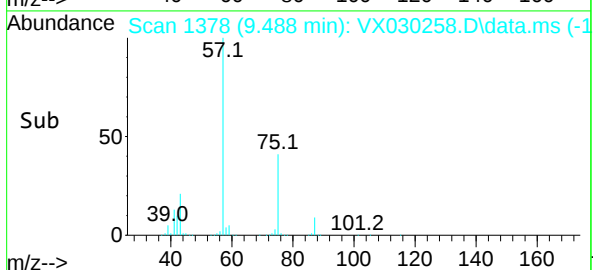
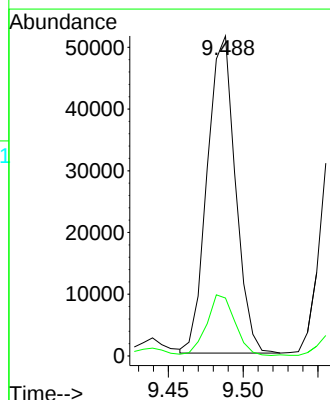
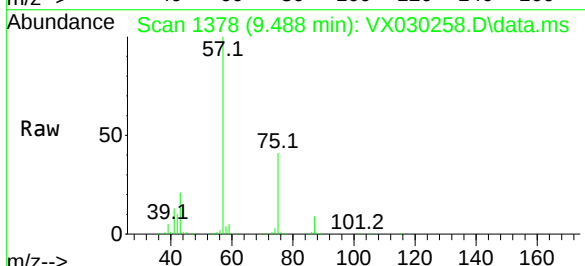
Acq: 28 Jul 2022 02:23

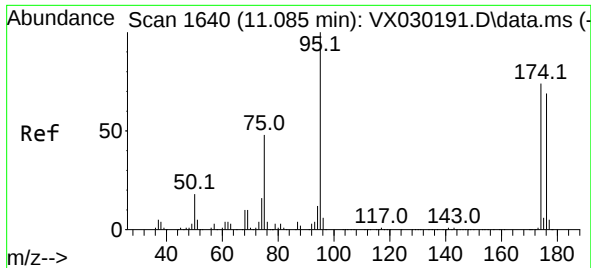
Tgt Ion: 43 Resp: 67360

Ion Ratio Lower Upper

43 100

58 19.1 27.6 82.8#

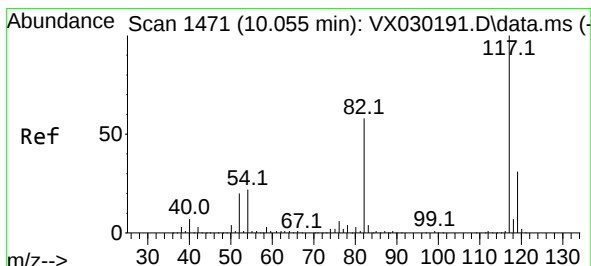
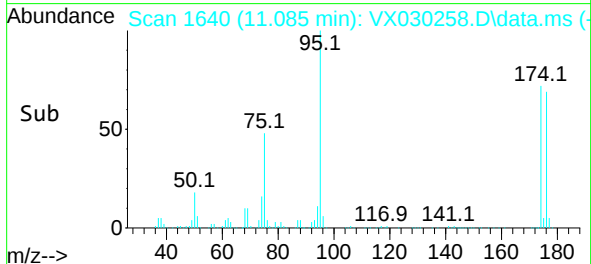
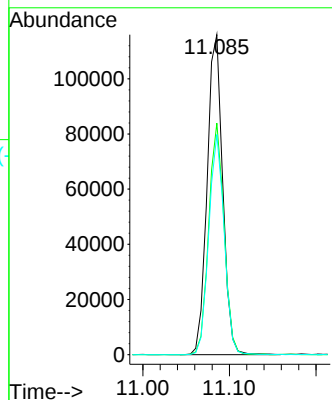
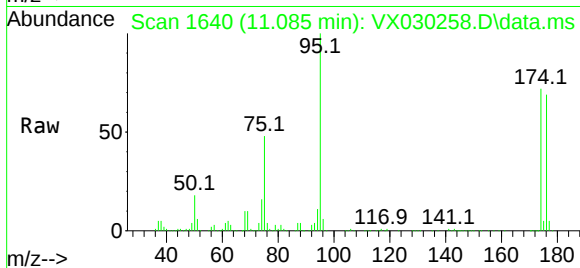




#62
4-Bromofluorobenzene
Concen: 48.602 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

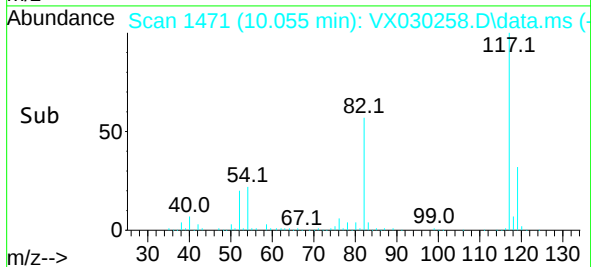
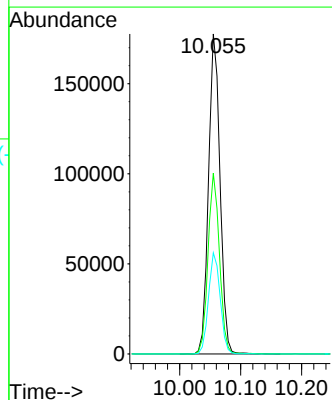
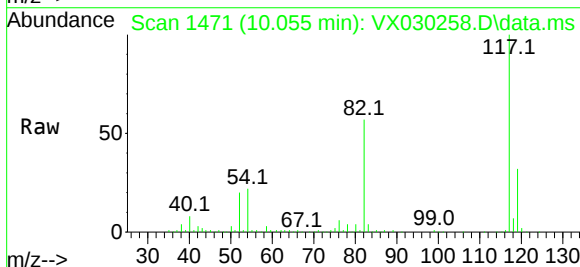
Instrument :
MSVOA_X
ClientSampleId :
ENV-DE-WC-1

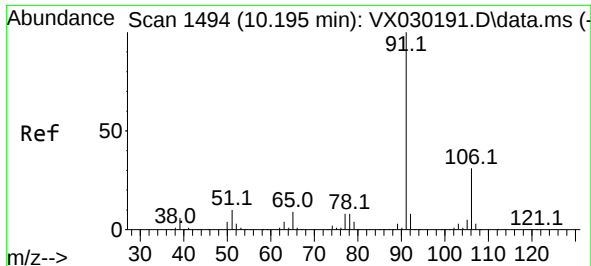
Tgt Ion: 95 Resp: 144558
Ion Ratio Lower Upper
95 100
174 71.4 0.0 149.0
176 67.9 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

Tgt Ion: 117 Resp: 232568
Ion Ratio Lower Upper
117 100
82 56.5 42.7 64.1
119 31.6 25.4 38.2





#67

Ethyl Benzene

Concen: Below Cal

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX030258.D

Acq: 28 Jul 2022 02:23

Instrument :

MSVOA_X

ClientSampleId :

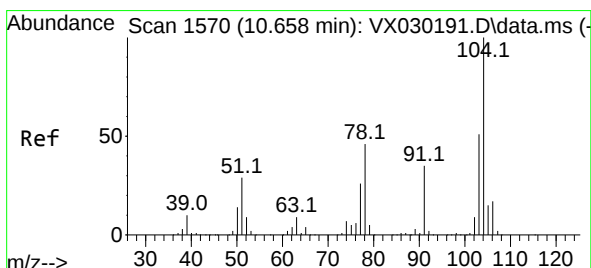
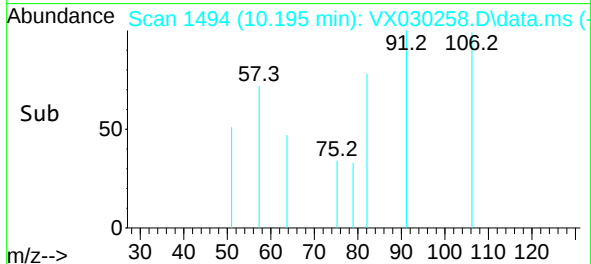
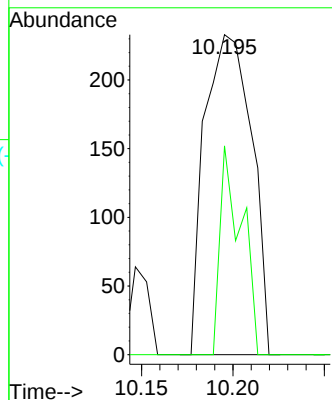
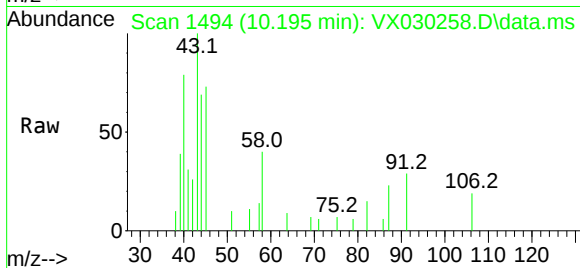
ENV-DE-WC-1

Tgt Ion: 91 Resp: 418

Ion Ratio Lower Upper

91 100

106 65.2 25.5 38.3#



#70

Styrene

Concen: 0.698 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. 0.001 min

Lab File: VX030258.D

Acq: 28 Jul 2022 02:23

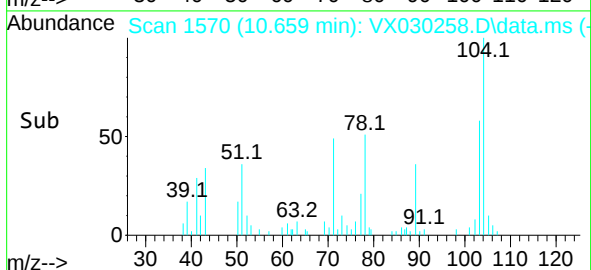
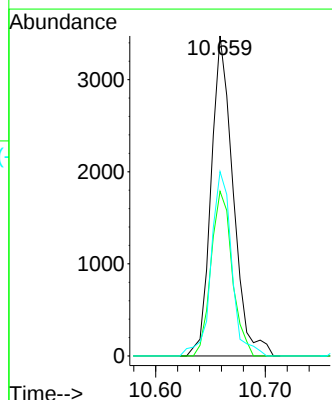
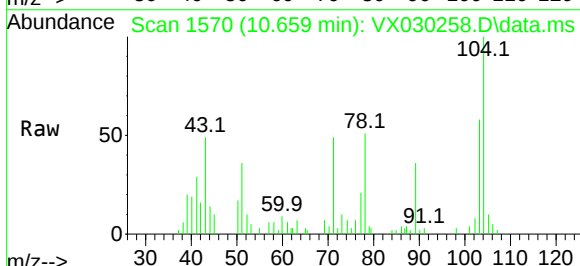
Tgt Ion: 104 Resp: 4837

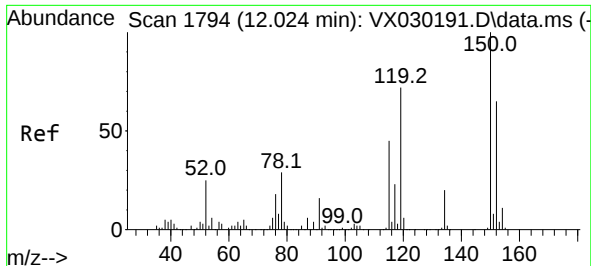
Ion Ratio Lower Upper

104 100

78 49.4 37.8 56.8

103 53.8 44.5 66.7

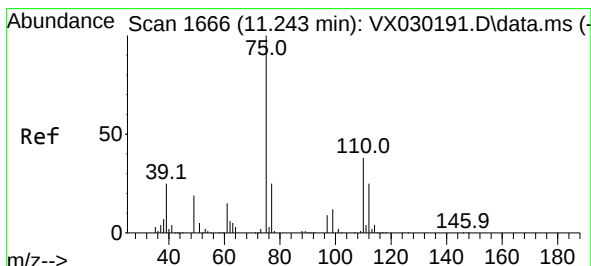
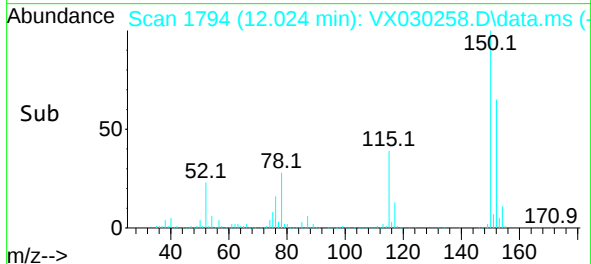
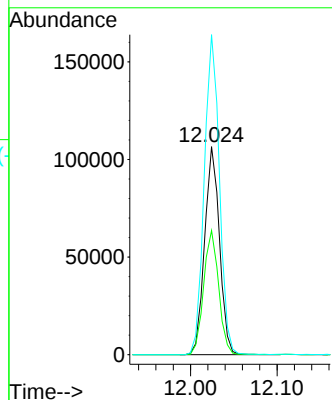
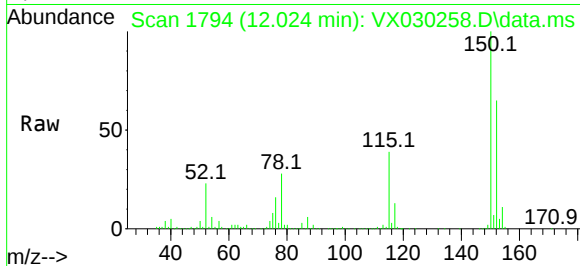




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030258.D
 Acq: 28 Jul 2022 02:23

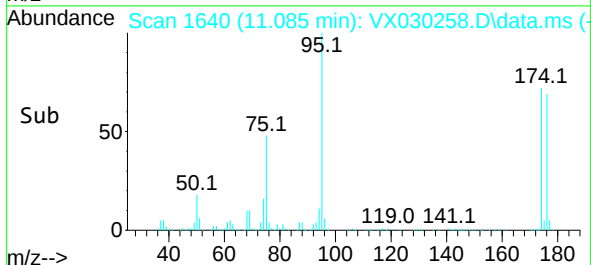
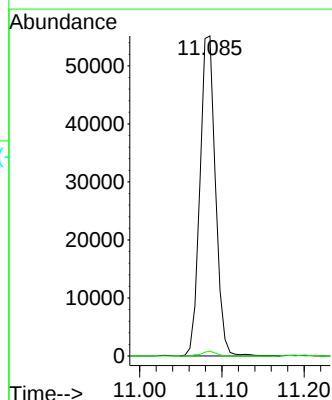
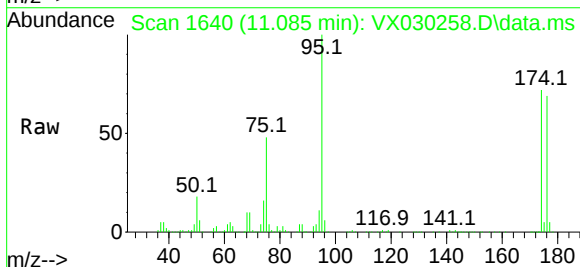
Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-DE-WC-1

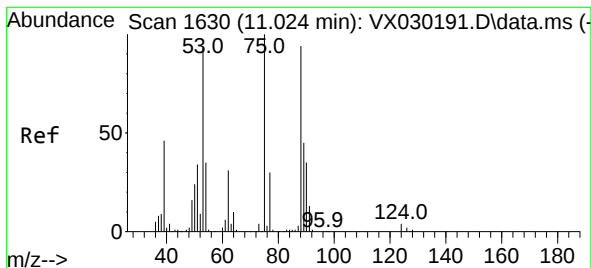
Tgt Ion:152 Resp: 126950
 Ion Ratio Lower Upper
 152 100
 115 60.3 40.5 121.5
 150 156.7 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 21.607 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.158 min
 Lab File: VX030258.D
 Acq: 28 Jul 2022 02:23

Tgt Ion: 75 Resp: 72304
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.8 59.3#

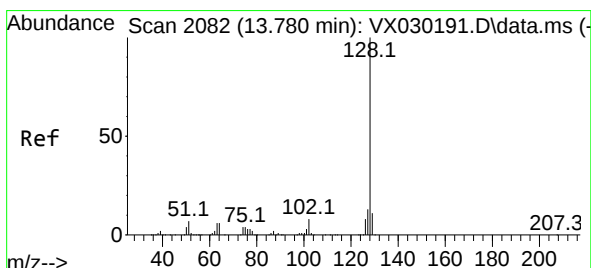
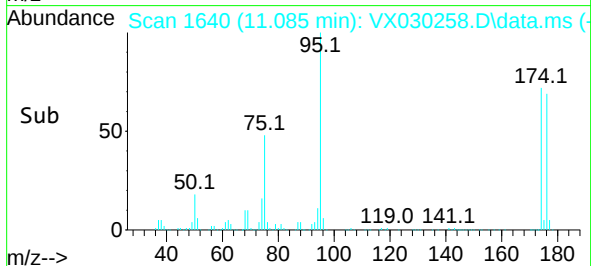
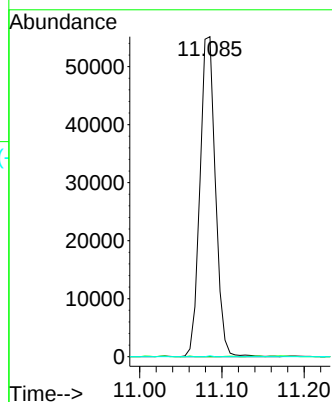
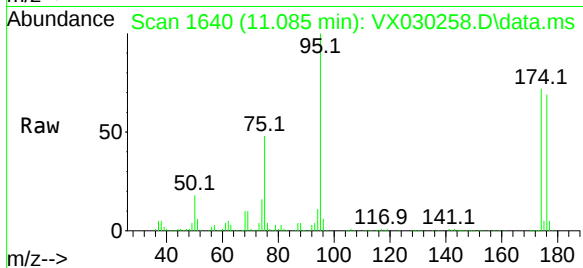




#81
trans-1,4-Dichloro-2-butene
Concen: 64.819 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

Instrument :
MSVOA_X
ClientSampleId :
ENV-DE-WC-1

Tgt Ion: 75 Resp: 72304
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.1 34.8 52.2#



#95
Naphthalene
Concen: 0.527 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX030258.D
Acq: 28 Jul 2022 02:23

Tgt Ion: 128 Resp: 5300
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.2
129 11.5 8.6 13.0

