

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062423\
 Data File : VX036320.D
 Acq On : 24 Jun 2023 18:35
 Operator : JC/MD
 Sample : 03339-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13

Quant Time: Jun 26 03:28:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	179566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	352954	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	325603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142676	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	156211	60.689	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 121.380%#	
35) Dibromofluoromethane	5.385	113	117675	50.563	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.120%	
50) Toluene-d8	8.647	98	427262	49.154	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.300%	
62) 4-Bromofluorobenzene	11.079	95	152702	49.874	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.740%	

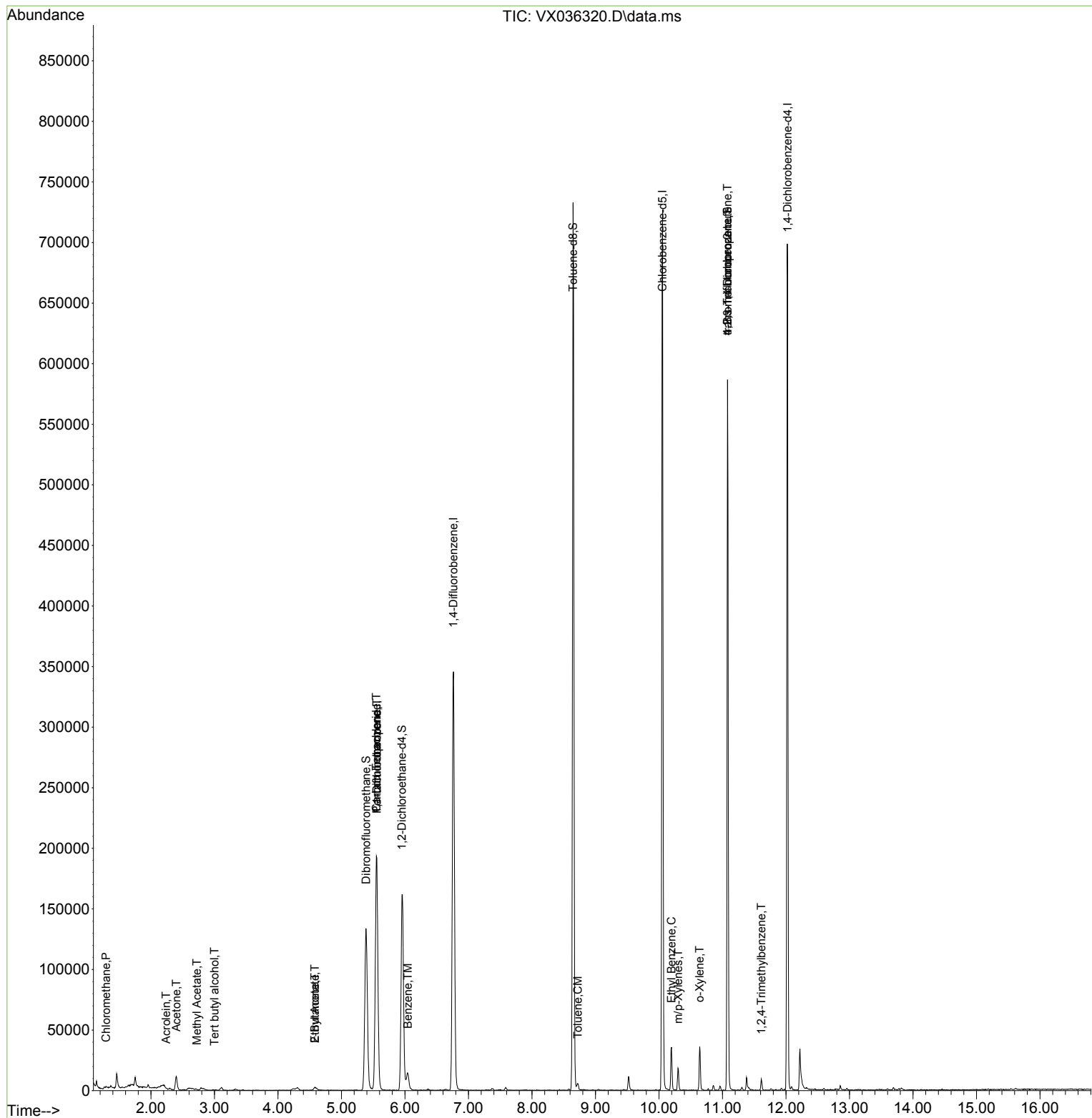
Target Compounds				Qvalue		
3) Chloromethane	1.295	50	883	0.299	ug/l #	40
11) Tert butyl alcohol	3.002	59	470	1.003	ug/l #	78
13) Acrolein	2.239	56	162	0.252	ug/l	85
16) Acetone	2.398	43	15429	14.024	ug/l	93
18) Methyl Acetate	2.721	43	1194	0.264	ug/l #	71
25) 2-Butanone	4.581	43	3447	2.181	ug/l	92
36) 1,1-Dichloropropene	5.556	75	14412	4.154	ug/l #	50
37) Ethyl Acetate	4.581	43	3447	0.975	ug/l #	69
38) Carbon Tetrachloride	5.550	117	18548	5.854	ug/l #	15
40) Benzene	6.044	78	16647	1.718	ug/l	97
52) Toluene	8.720	92	1873	0.305	ug/l	91
67) Ethyl Benzene	10.195	91	20926	1.720	ug/l	99
68) m/p-Xylenes	10.299	106	4324	0.915	ug/l	97
69) o-Xylene	10.640	106	8025	1.758	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	80135	26.331	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	80135	85.834	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.610	105	4515	0.501	ug/l	86

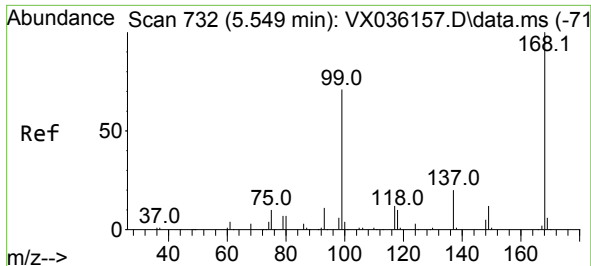
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 26 03:28:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 23 15:03:28 2023
Response via : Initial Calibration

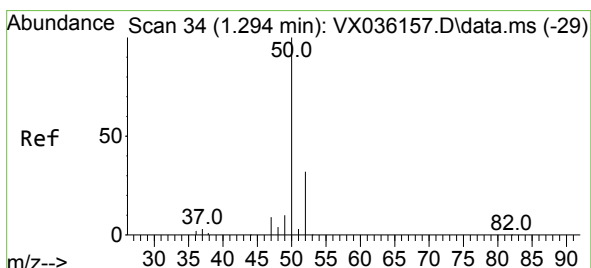
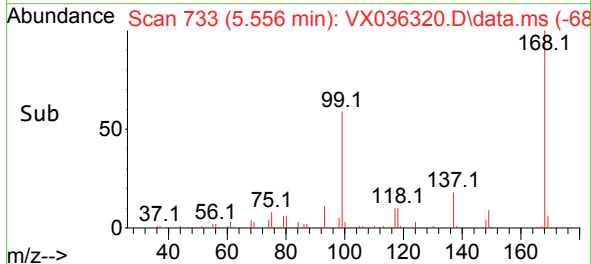
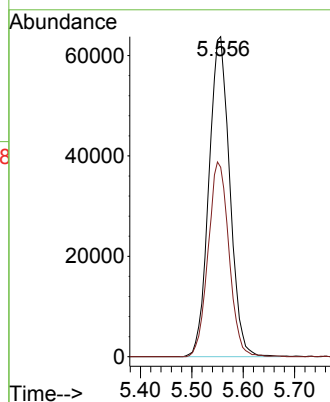
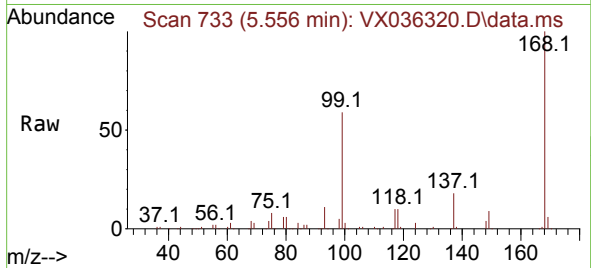




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036320.D
Acq: 24 Jun 2023 18:35

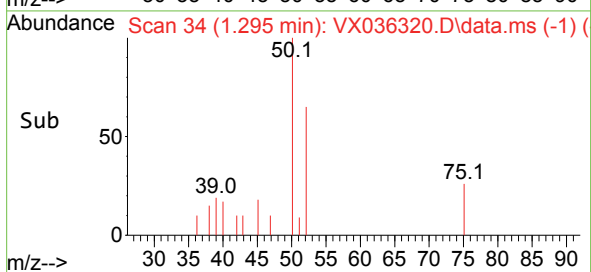
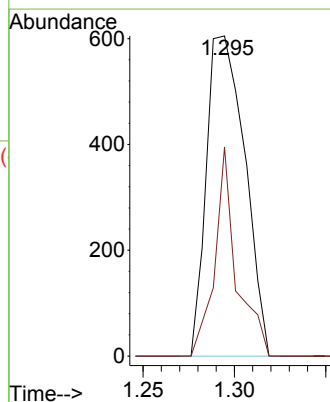
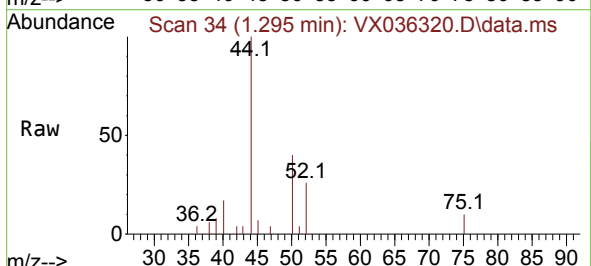
Instrument :
MSVOA_X
ClientSampleId :
MW-13

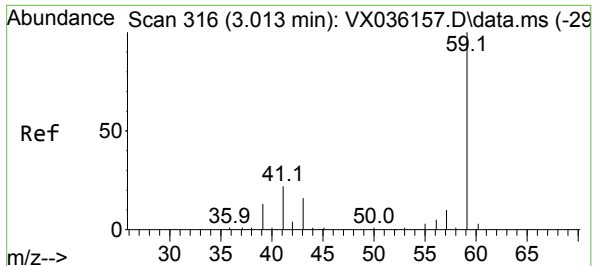
Tgt Ion:168 Resp: 179566
Ion Ratio Lower Upper
168 100
99 59.2 56.6 85.0



#3
Chloromethane
Concen: 0.299 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX036320.D
Acq: 24 Jun 2023 18:35

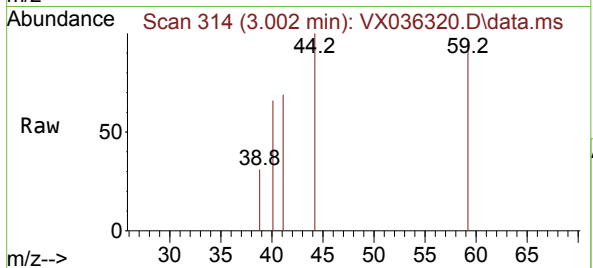
Tgt Ion: 50 Resp: 883
Ion Ratio Lower Upper
50 100
52 65.3 25.5 38.3#



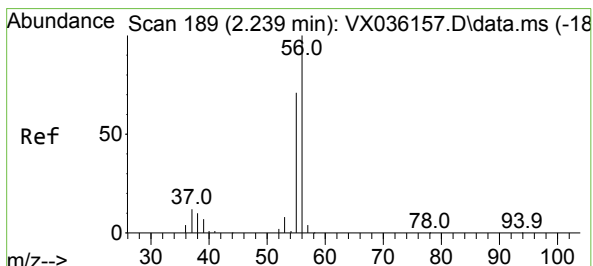
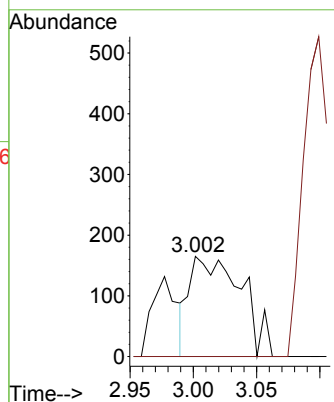
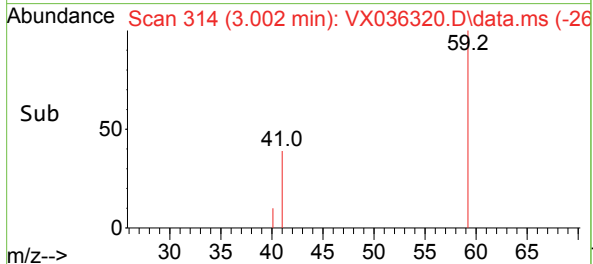


#11
Tert butyl alcohol
Concen: 1.003 ug/l
RT: 3.002 min Scan# 316
Delta R.T. -0.011 min
Lab File: VX036320.D
Acq: 24 Jun 2023 18:35

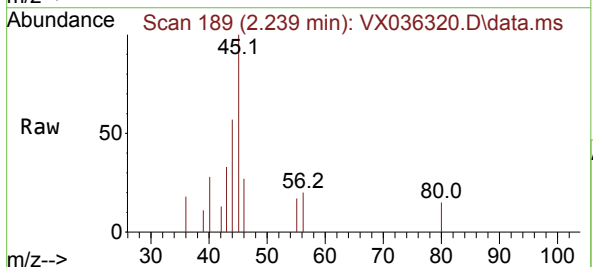
Instrument :
MSVOA_X
ClientSampleId :
MW-13



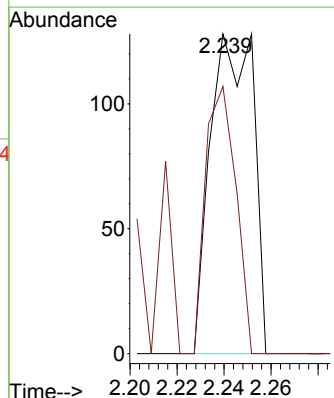
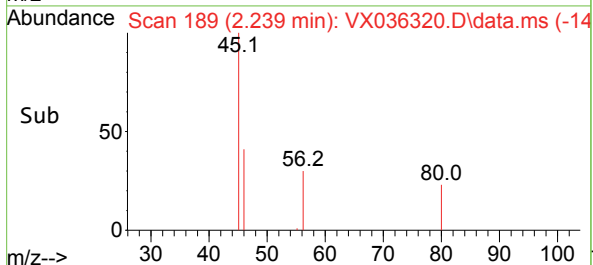
Tgt Ion: 59 Resp: 470
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

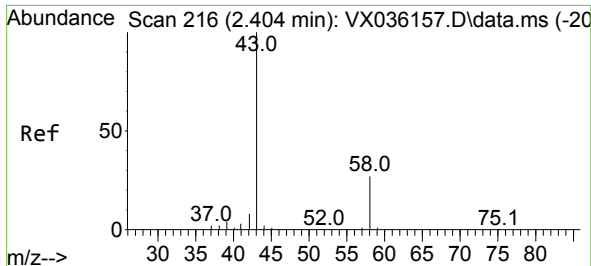


#13
Acrolein
Concen: 0.252 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX036320.D
Acq: 24 Jun 2023 18:35



Tgt Ion: 56 Resp: 162
Ion Ratio Lower Upper
56 100
55 59.3 57.1 85.7





#16

Acetone

Concen: 14.024 ug/l

RT: 2.398 min Scan# 216

Delta R.T. -0.006 min

Lab File: VX036320.D

Acq: 24 Jun 2023 18:35

Instrument :

MSVOA_X

ClientSampleId :

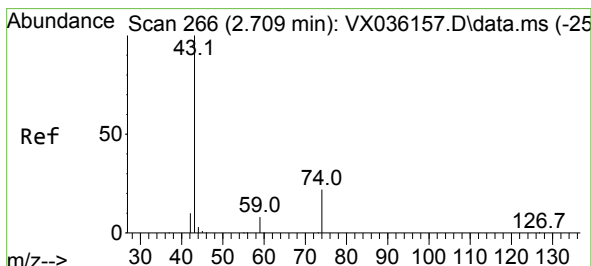
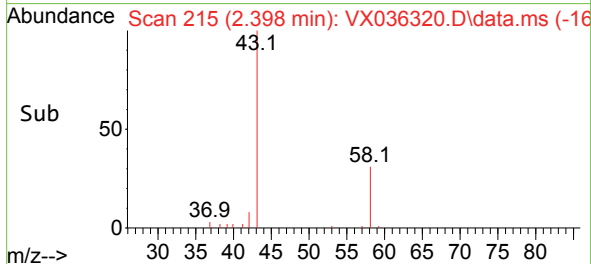
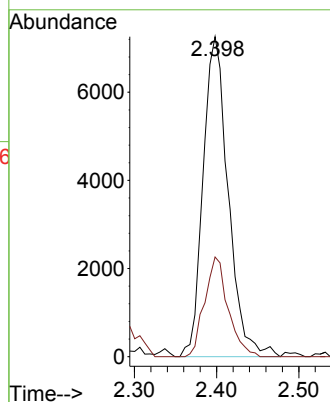
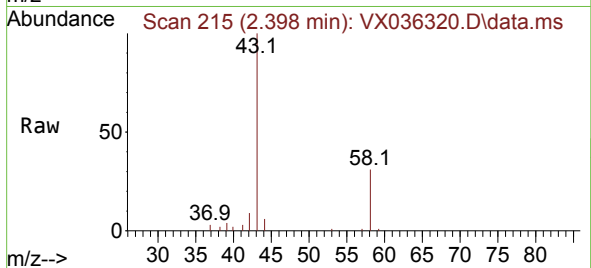
MW-13

Tgt Ion: 43 Resp: 15429

Ion Ratio Lower Upper

43 100

58 31.1 21.9 32.9



#18

Methyl Acetate

Concen: 0.264 ug/l

RT: 2.721 min Scan# 268

Delta R.T. 0.012 min

Lab File: VX036320.D

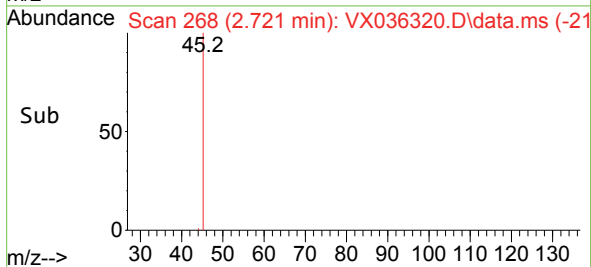
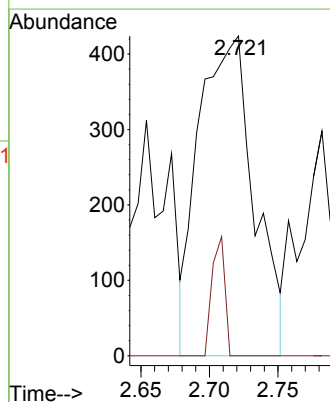
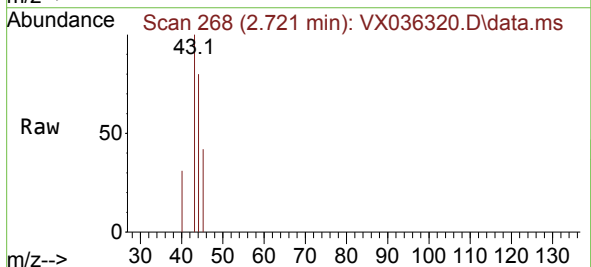
Acq: 24 Jun 2023 18:35

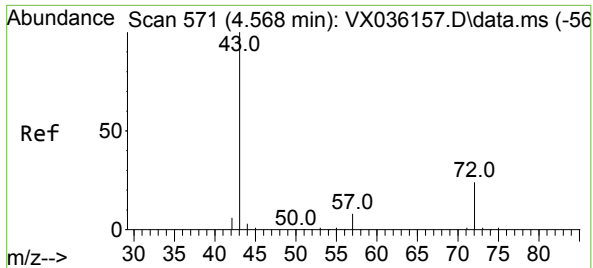
Tgt Ion: 43 Resp: 1194

Ion Ratio Lower Upper

43 100

74 8.6 17.8 26.8#

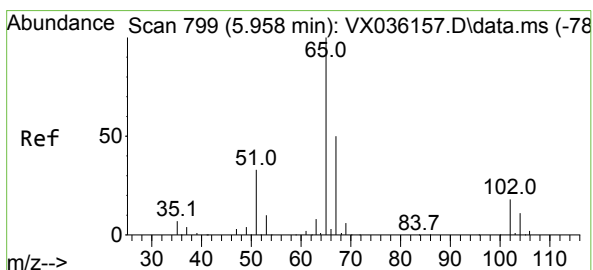
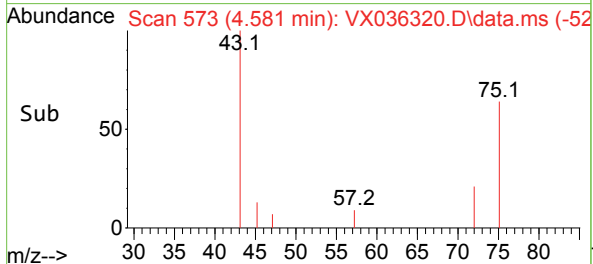
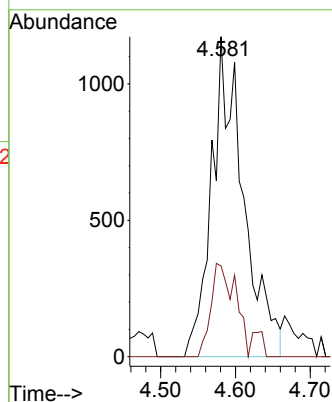
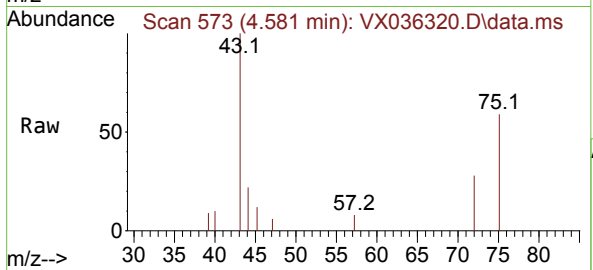




#25
2-Butanone
Concen: 2.181 ug/l
RT: 4.581 min Scan# 51
Delta R.T. 0.013 min
Lab File: VX036320.D
Acq: 24 Jun 2023 18:35

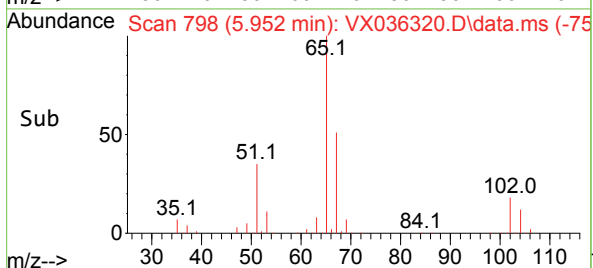
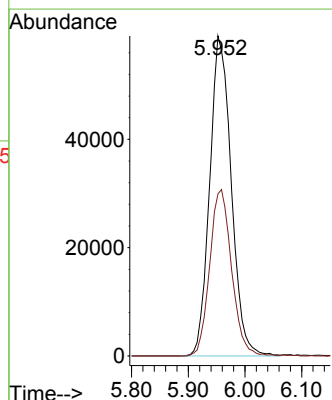
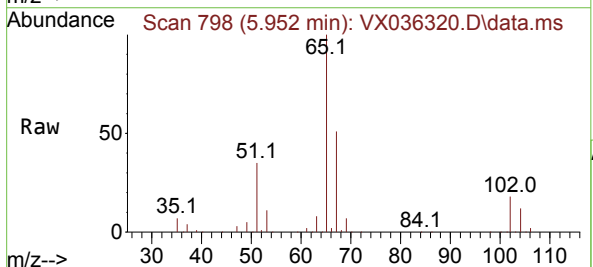
Instrument :
MSVOA_X
ClientSampleId :
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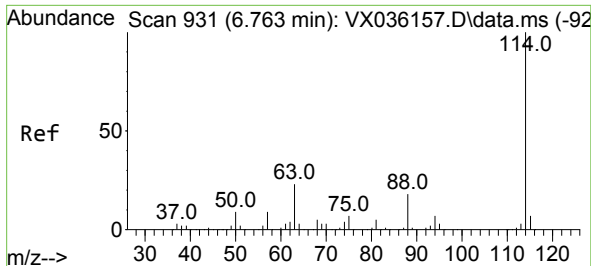
Tgt Ion: 43 Resp: 3447
Ion Ratio Lower Upper
43 100
72 28.4 19.4 29.2



#33
1,2-Dichloroethane-d4
Concen: 60.689 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX036320.D
Acq: 24 Jun 2023 18:35

Tgt Ion: 65 Resp: 156211
Ion Ratio Lower Upper
65 100
67 52.6 0.0 100.2

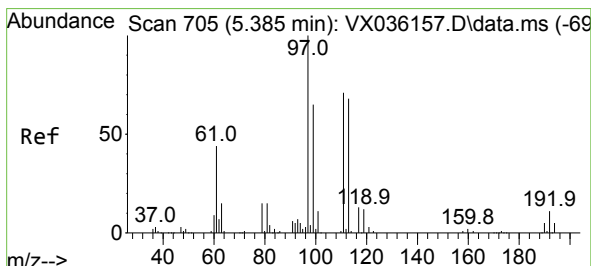
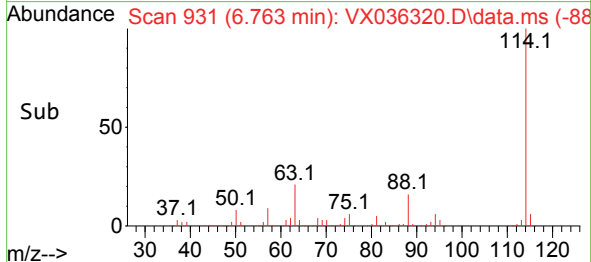
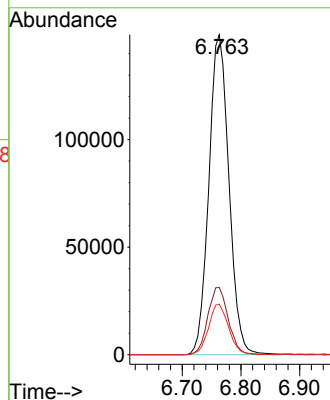
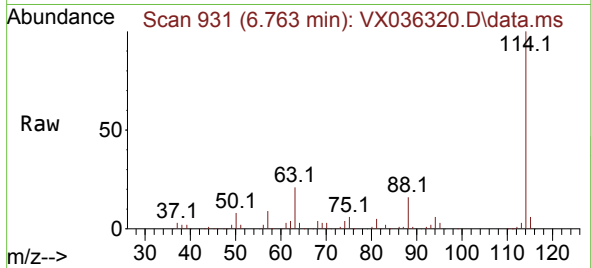




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036320.D
Acq: 24 Jun 2023 18:35

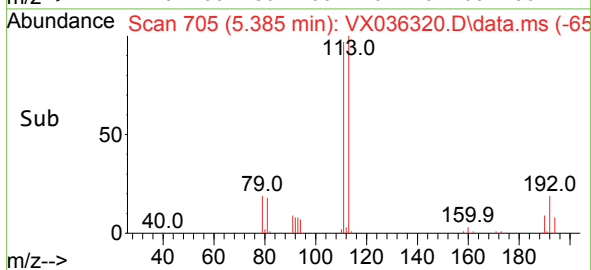
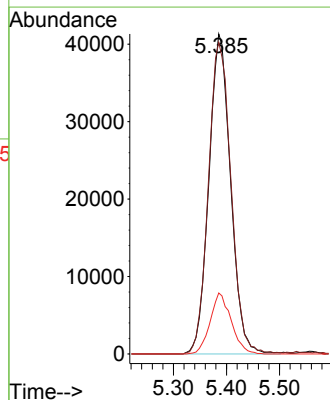
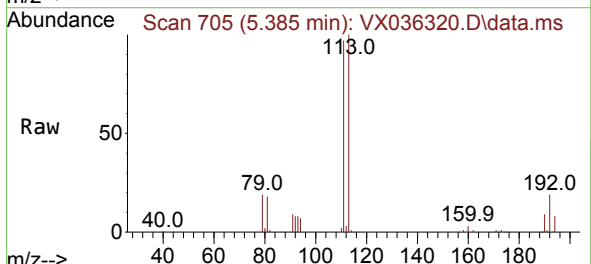
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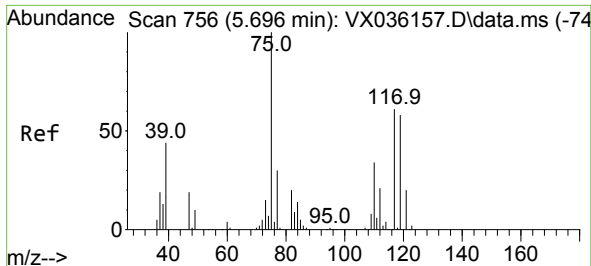
Tgt Ion:114 Resp: 352954
Ion Ratio Lower Upper
114 100
63 21.0 0.0 45.0
88 15.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.563 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036320.D
Acq: 24 Jun 2023 18:35

Tgt Ion:113 Resp: 117675
Ion Ratio Lower Upper
113 100
111 101.3 82.9 124.3
192 18.5 13.3 19.9

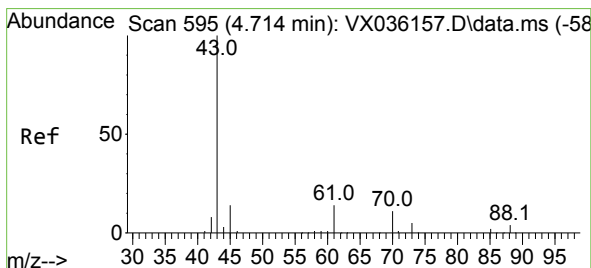
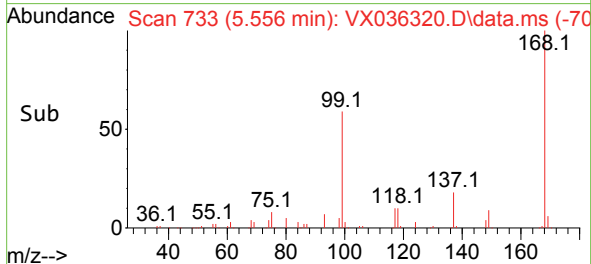
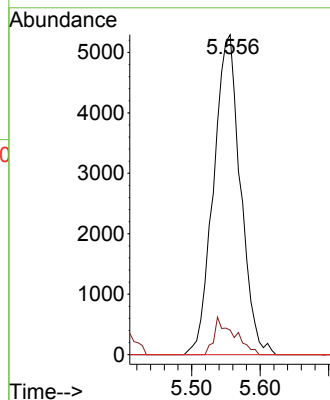
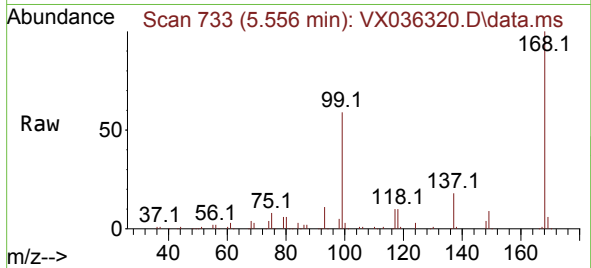




#36
1,1-Dichloropropene
Concen: 4.154 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX036320.D
Acq: 24 Jun 2023 18:35

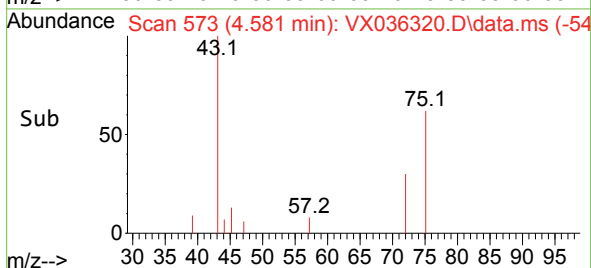
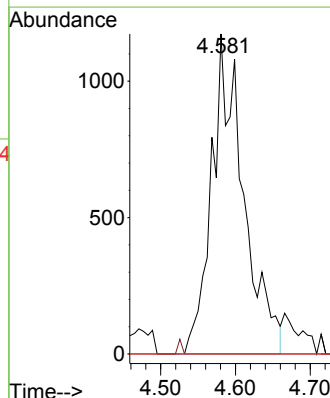
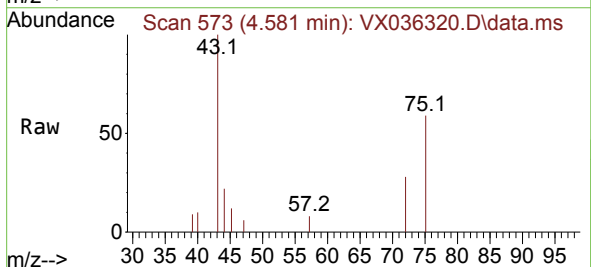
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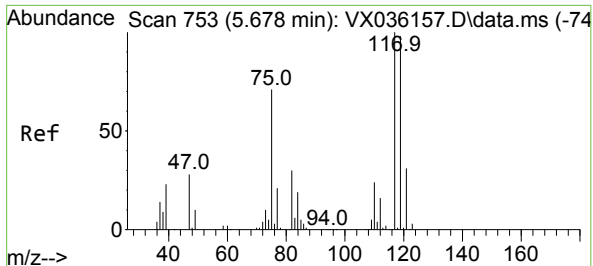
Tgt Ion: 75 Resp: 14412
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.975 ug/l
RT: 4.581 min Scan# 573
Delta R.T. -0.133 min
Lab File: VX036320.D
Acq: 24 Jun 2023 18:35

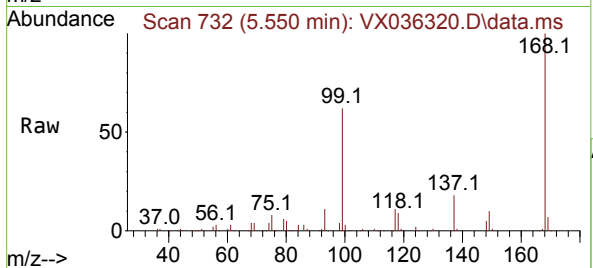
Tgt Ion: 43 Resp: 3447
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



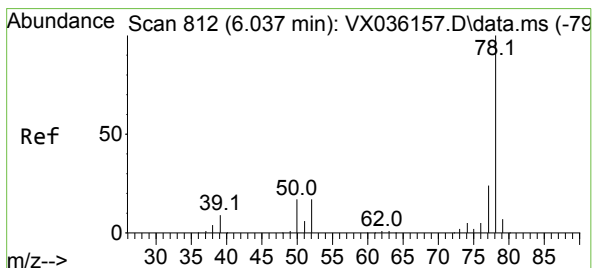
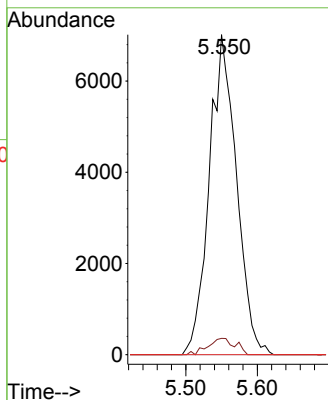
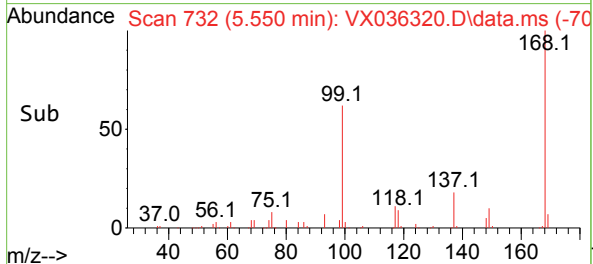


#38
Carbon Tetrachloride
Concen: 5.854 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036320.D
Acq: 24 Jun 2023 18:35

Instrument :
MSVOA_X
ClientSampleId :
MW-13

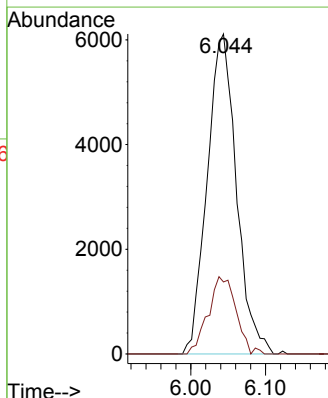
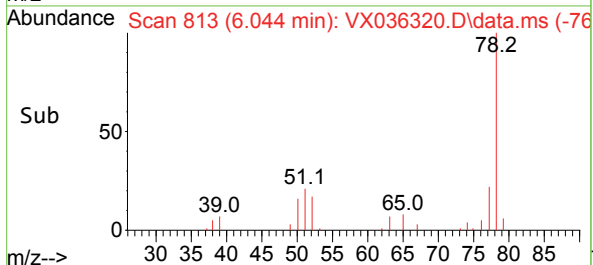
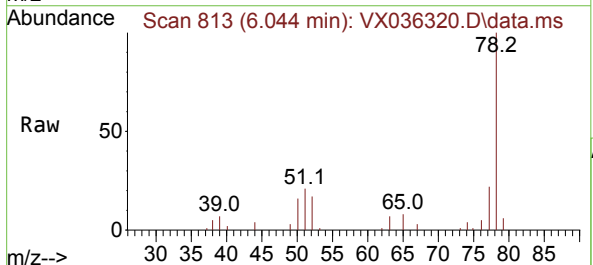


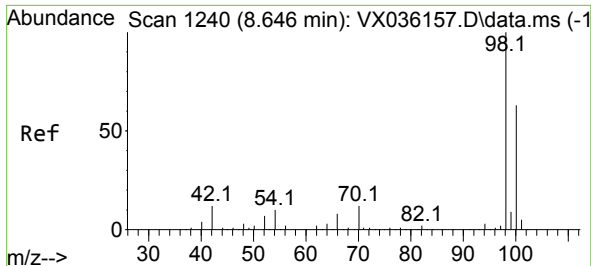
Tgt Ion:117 Resp: 18548
Ion Ratio Lower Upper
117 100
119 5.1 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 1.718 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.007 min
Lab File: VX036320.D
Acq: 24 Jun 2023 18:35

Tgt Ion: 78 Resp: 16647
Ion Ratio Lower Upper
78 100
77 22.5 19.3 28.9

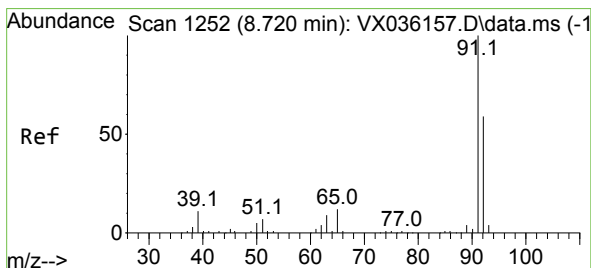
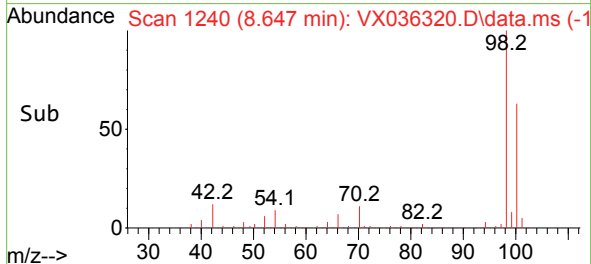
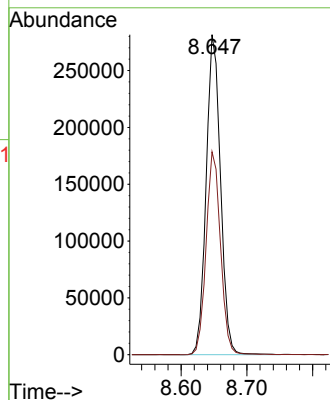
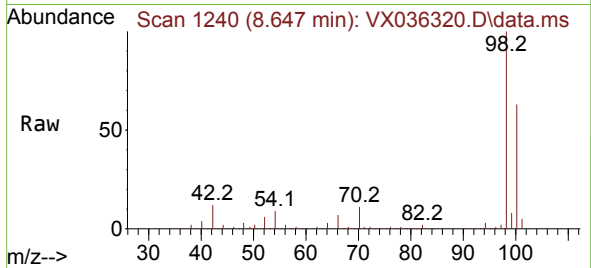




#50
Toluene-d8
Concen: 49.154 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036320.D
Acq: 24 Jun 2023 18:35

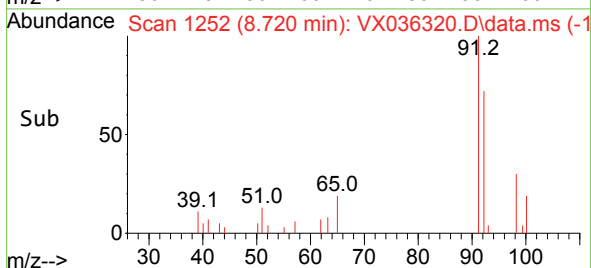
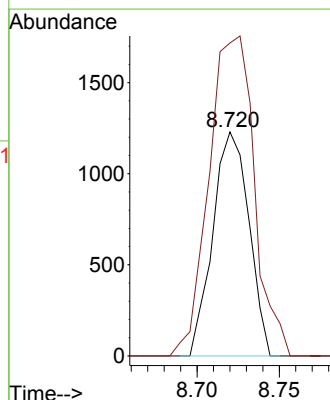
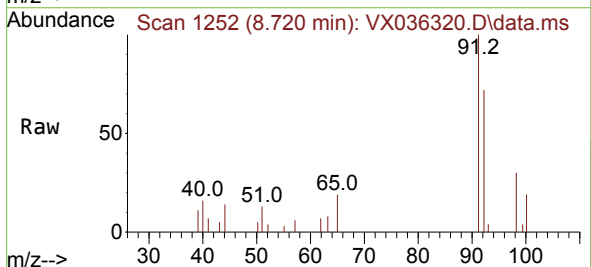
Instrument :
MSVOA_X
ClientSampleId :
MW-13

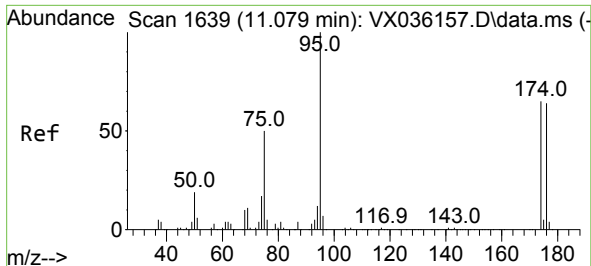
Tgt Ion: 98 Resp: 427262
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7



#52
Toluene
Concen: 0.305 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX036320.D
Acq: 24 Jun 2023 18:35

Tgt Ion: 92 Resp: 1873
Ion Ratio Lower Upper
92 100
91 179.7 134.2 201.2

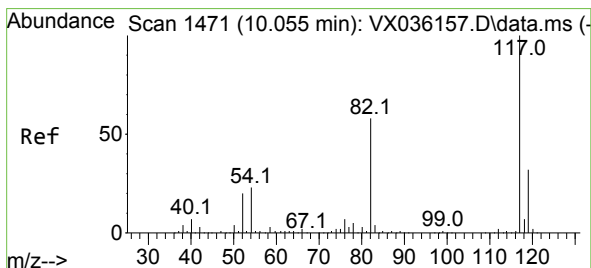
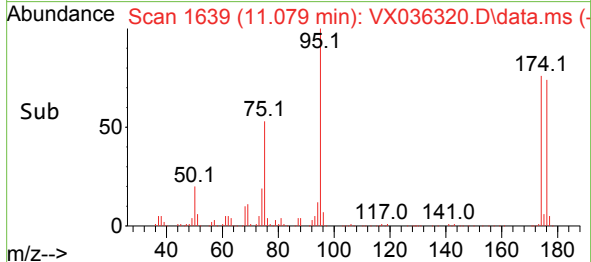
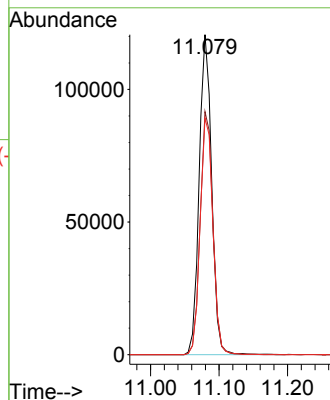
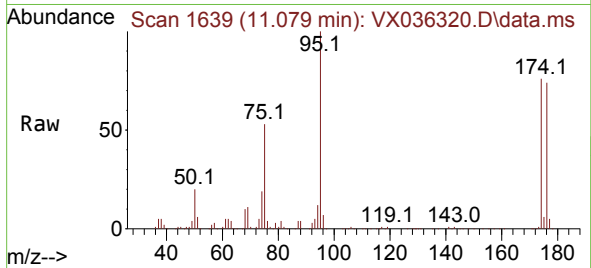




#62
4-Bromofluorobenzene
Concen: 49.874 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036320.D
Acq: 24 Jun 2023 18:35

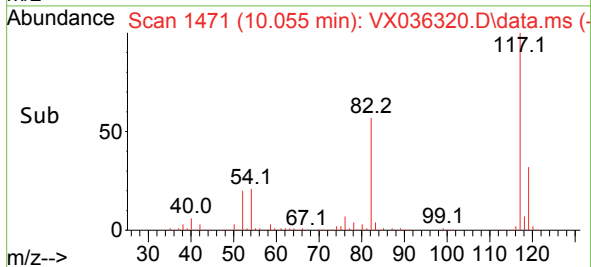
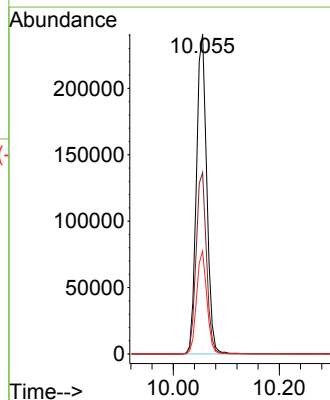
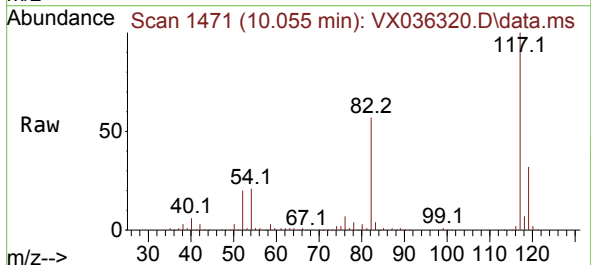
Instrument :
MSVOA_X
ClientSampleId :
MW-13

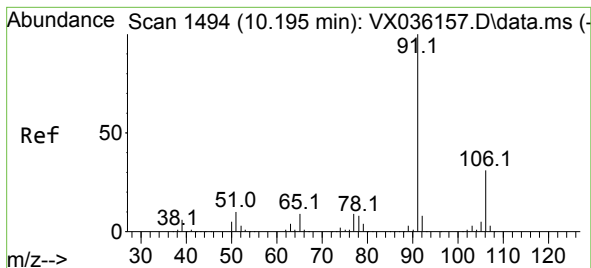
Tgt Ion: 95 Resp: 152702
Ion Ratio Lower Upper
95 100
174 77.5 0.0 135.6
176 75.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036320.D
Acq: 24 Jun 2023 18:35

Tgt Ion: 117 Resp: 325603
Ion Ratio Lower Upper
117 100
82 56.7 46.2 69.4
119 32.2 25.5 38.3





#67

Ethyl Benzene

Concen: 1.720 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX036320.D

Acq: 24 Jun 2023 18:35

Instrument :

MSVOA_X

ClientSampleId :

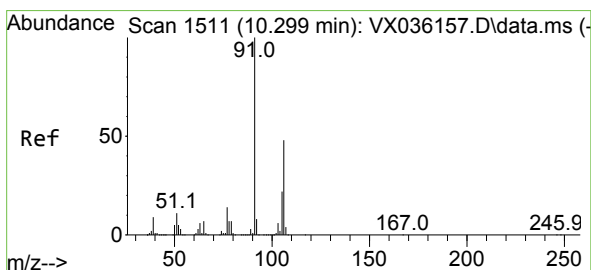
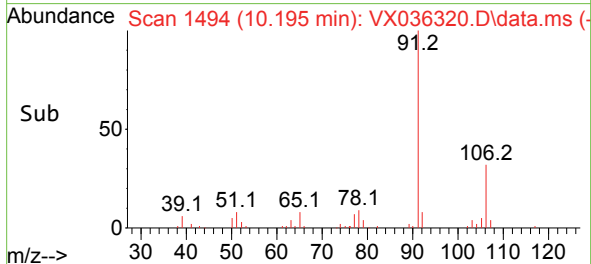
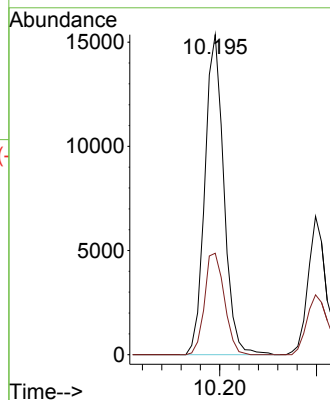
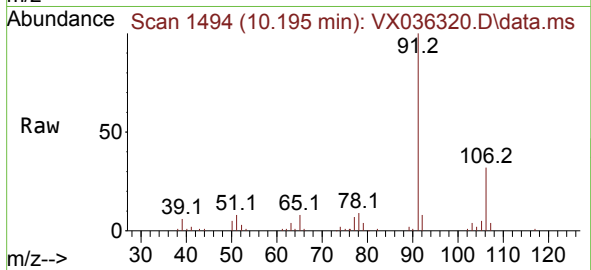
MW-13

Tgt Ion: 91 Resp: 20926

Ion Ratio Lower Upper

91 100

106 31.7 24.9 37.3



#68

m/p-Xylenes

Concen: 0.915 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX036320.D

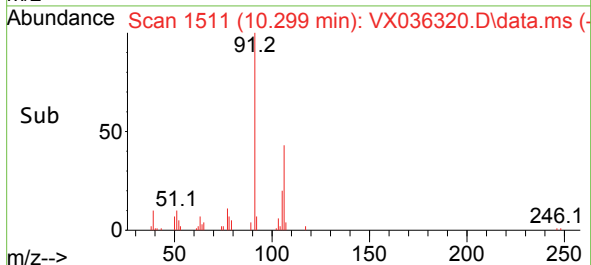
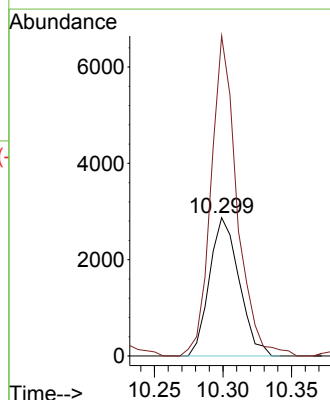
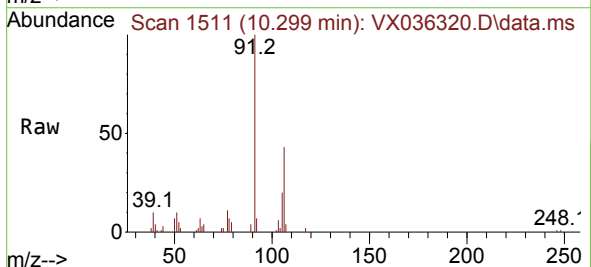
Acq: 24 Jun 2023 18:35

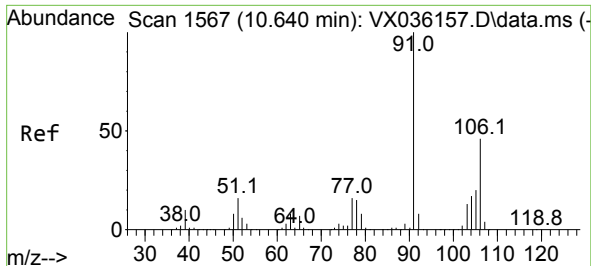
Tgt Ion: 106 Resp: 4324

Ion Ratio Lower Upper

106 100

91 202.8 165.5 248.3

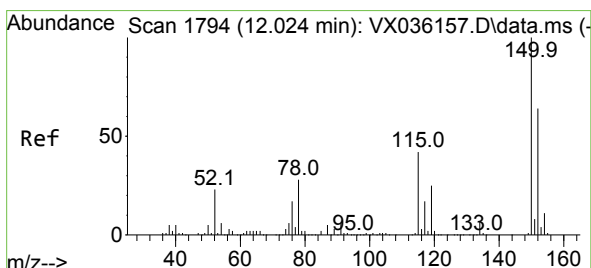
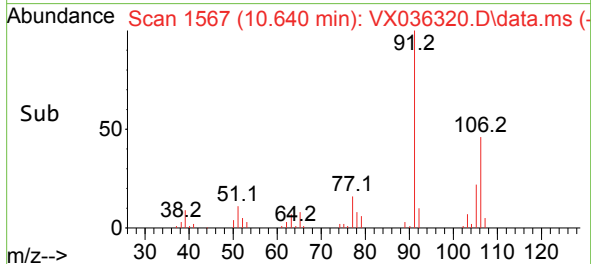
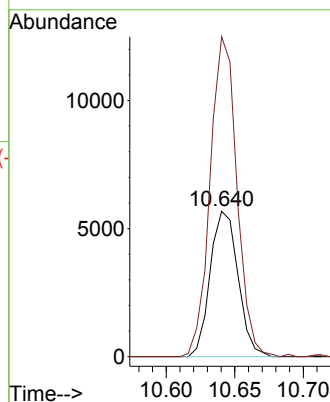
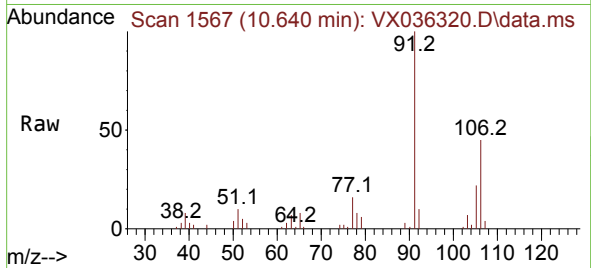




#69
o-Xylene
Concen: 1.758 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036320.D
Acq: 24 Jun 2023 18:35

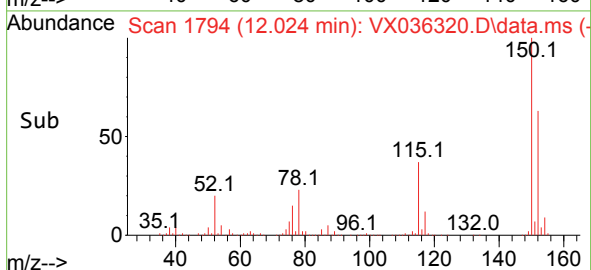
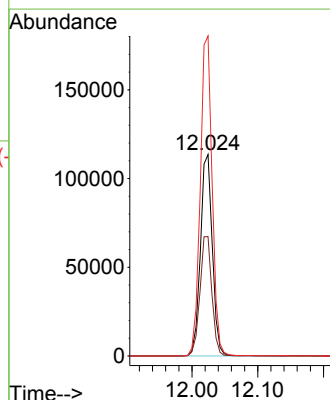
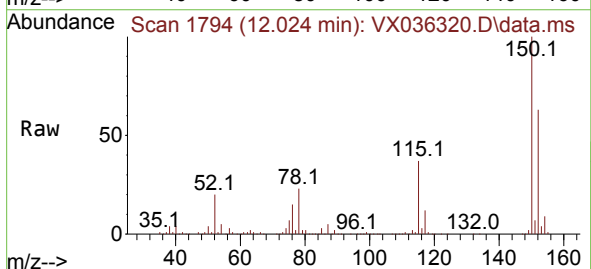
Instrument :
MSVOA_X
ClientSampleId :
MW-13

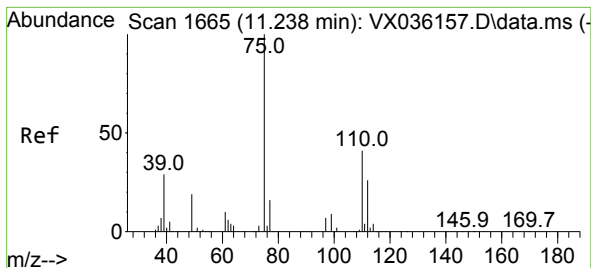
Tgt Ion:106 Resp: 8025
Ion Ratio Lower Upper
106 100
91 211.8 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036320.D
Acq: 24 Jun 2023 18:35

Tgt Ion:152 Resp: 142676
Ion Ratio Lower Upper
152 100
115 59.5 43.3 129.9
150 158.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 26.331 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036320.D

Acq: 24 Jun 2023 18:35

Instrument :

MSVOA_X

ClientSampleId :

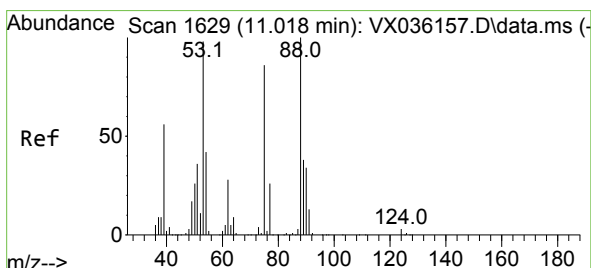
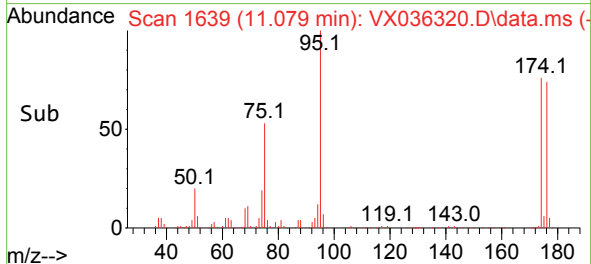
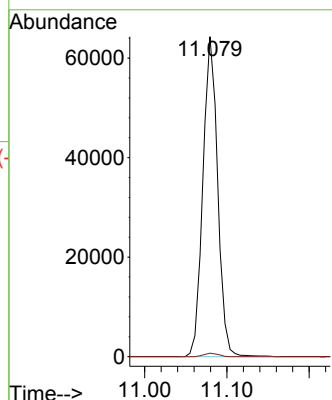
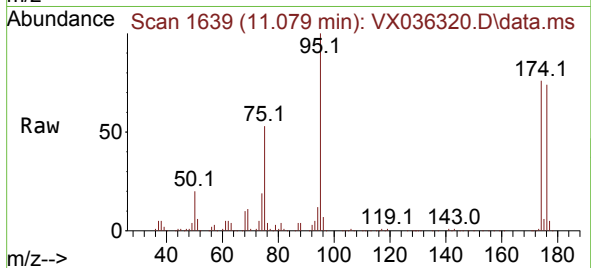
MW-13

Tgt Ion: 75 Resp: 80135

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 85.834 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036320.D

Acq: 24 Jun 2023 18:35

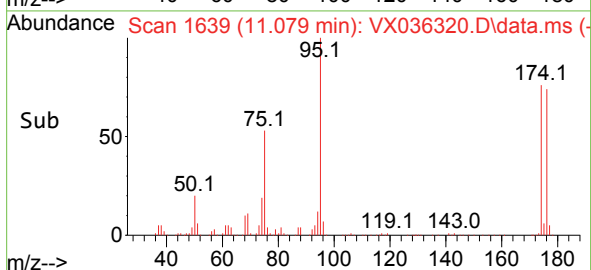
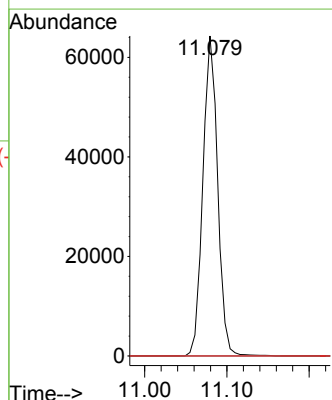
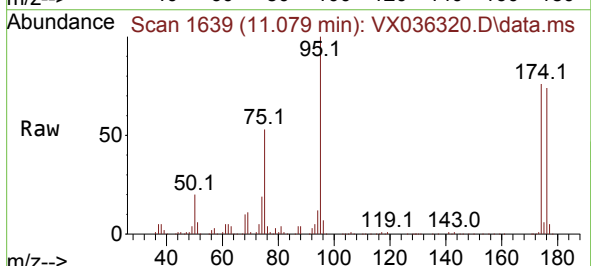
Tgt Ion: 75 Resp: 80135

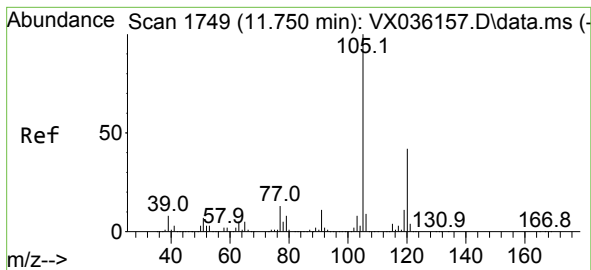
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.501 ug/l
 RT: 11.610 min Scan# 11
 Delta R.T. -0.140 min
 Lab File: VX036320.D
 Acq: 24 Jun 2023 18:35

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13

Tgt Ion:105 Resp: 4515
 Ion Ratio Lower Upper
 105 100
 120 33.3 21.2 63.6

