

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031523\
 Data File : VX034521.D
 Acq On : 15 Mar 2023 20:17
 Operator : JC/MD
 Sample : 01903-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW9-MW01D1-20230312

Quant Time: Mar 16 05:24:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

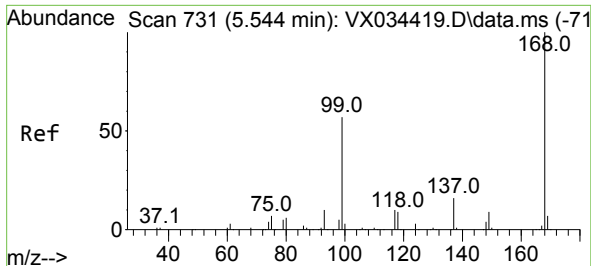
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	241247	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	410516	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	394979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	160230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	164731	46.936	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.880%		
35) Dibromofluoromethane	5.385	113	129539	47.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.580%		
50) Toluene-d8	8.647	98	560305	55.376	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	110.760%		
62) 4-Bromofluorobenzene	11.079	95	192362	47.067	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.140%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	331	Below Cal	#	42
11) Tert butyl alcohol	2.928	59	280	0.383	ug/l #	73
16) Acetone	2.373	43	1591	0.962	ug/l	94
17) Carbon Disulfide	2.514	76	1809	0.243	ug/l	98
20) Methylene Chloride	2.800	84	688	0.214	ug/l #	52
29) Tetrahydrofuran	5.007	42	12873	8.819	ug/l	98
36) 1,1-Dichloropropene	5.550	75	19436	4.669	ug/l #	51
38) Carbon Tetrachloride	5.550	117	25162	6.076	ug/l #	16
41) Methacrylonitrile	5.013	41	7465	2.995	ug/l #	48
49) 1,4-Dioxane	7.689	88	91	1.169	ug/l #	41
51) 4-Methyl-2-Pentanone	8.647	43	3205	0.717	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	101348	27.547	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	101348	74.524	ug/l #	8

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

Quant Time: Mar 16 05:24:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
Response via : Initial Calibration

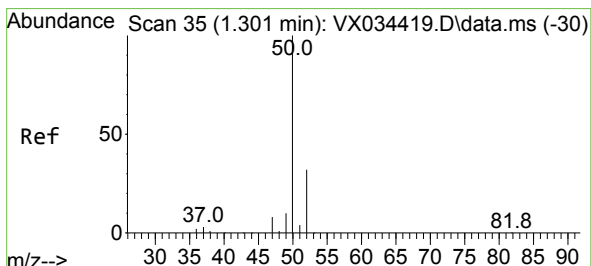
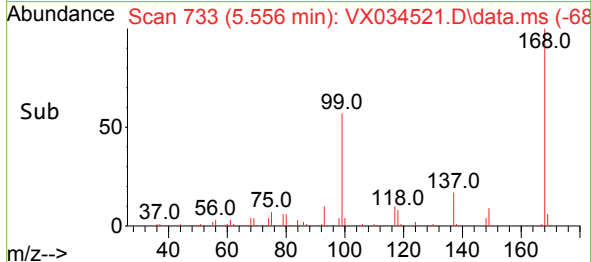
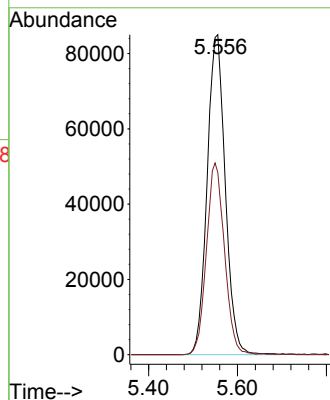
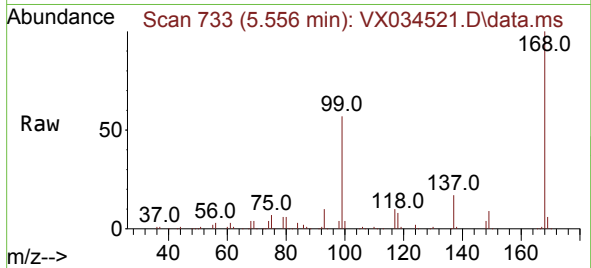




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034521.D
Acq: 15 Mar 2023 20:17

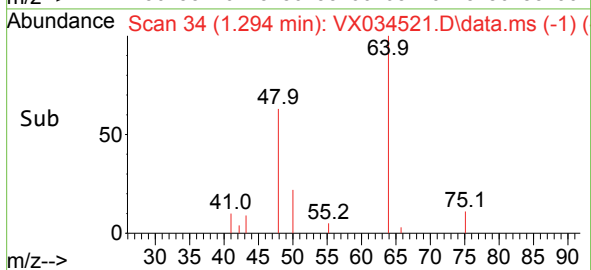
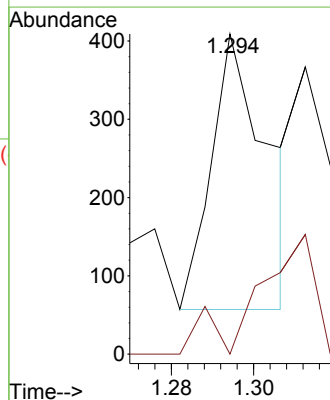
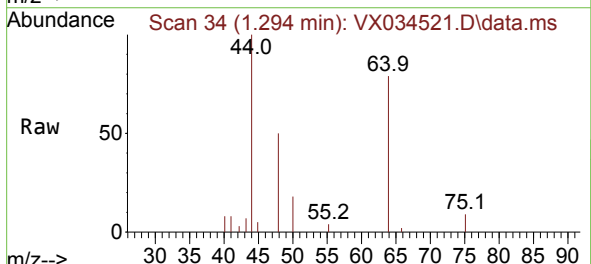
Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01D1-20230312

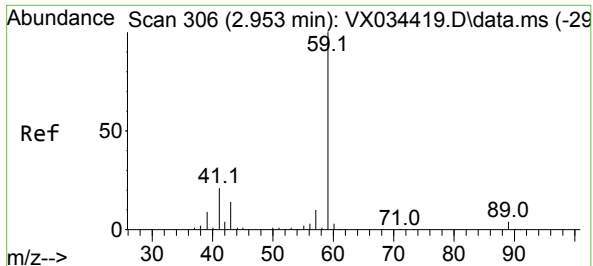
Tgt Ion:168 Resp: 241247
Ion Ratio Lower Upper
168 100
99 56.9 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034521.D
Acq: 15 Mar 2023 20:17

Tgt Ion: 50 Resp: 331
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 0.383 ug/l

RT: 2.928 min Scan# 306

Delta R.T. -0.025 min

Lab File: VX034521.D

Acq: 15 Mar 2023 20:17

Instrument :

MSVOA_X

ClientSampleId :

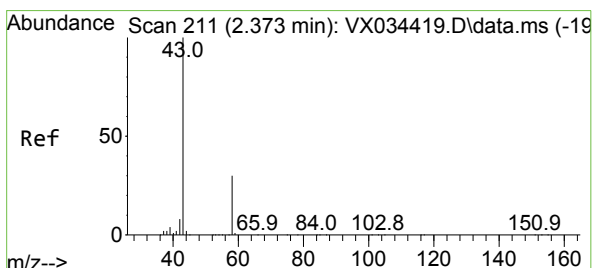
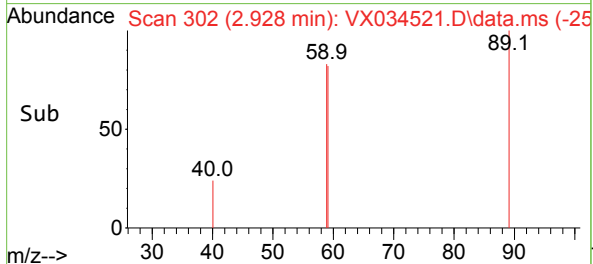
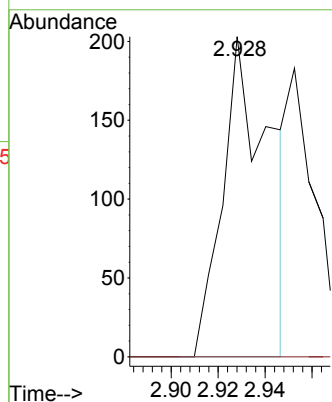
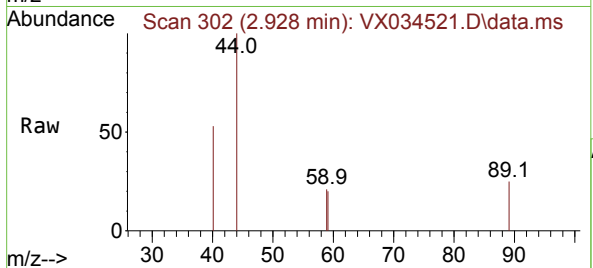
RW9-MW01D1-20230312

Tgt Ion: 59 Resp: 280

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 0.962 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX034521.D

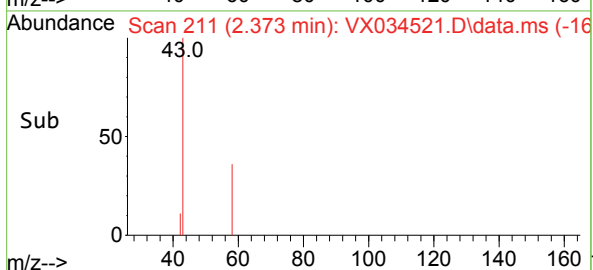
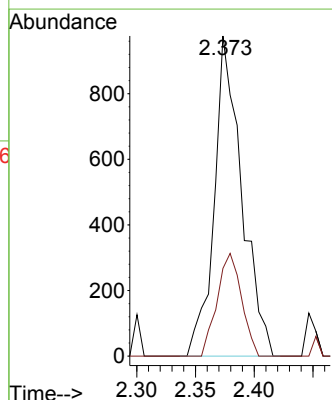
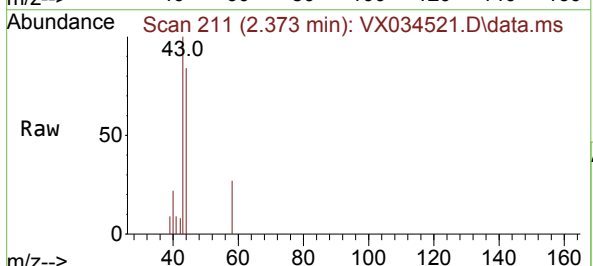
Acq: 15 Mar 2023 20:17

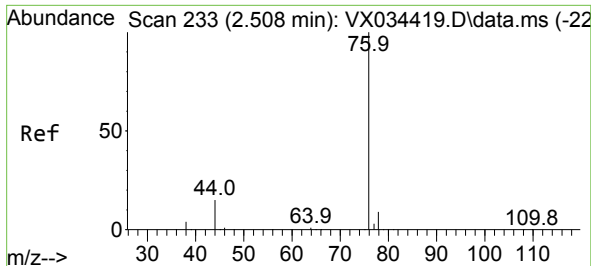
Tgt Ion: 43 Resp: 1591

Ion Ratio Lower Upper

43 100

58 27.4 24.7 37.1





#17

Carbon Disulfide

Concen: 0.243 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX034521.D

Acq: 15 Mar 2023 20:17

Instrument :

MSVOA_X

ClientSampleId :

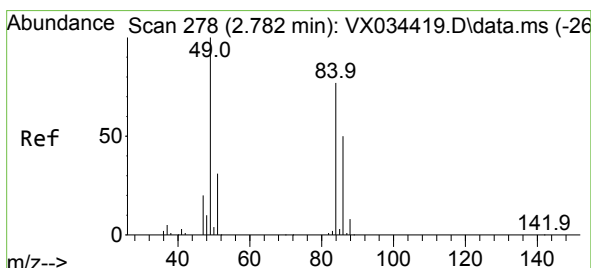
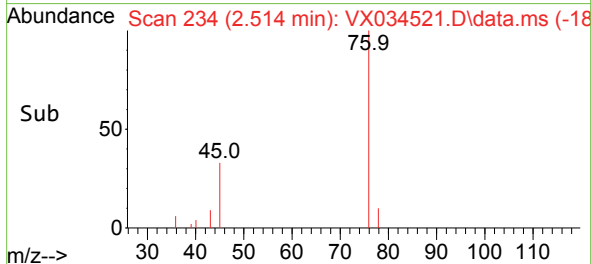
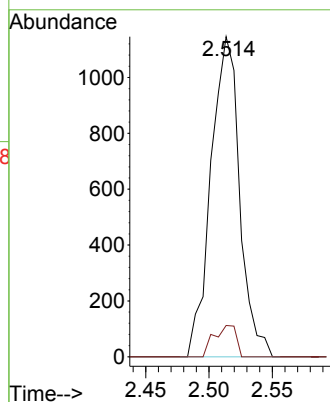
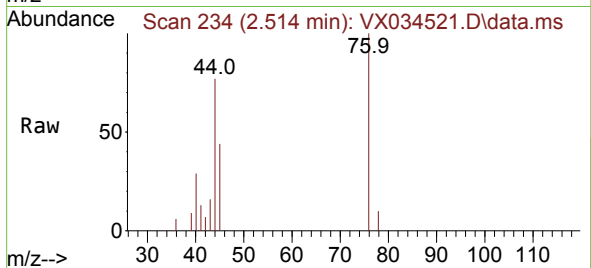
RW9-MW01D1-20230312

Tgt Ion: 76 Resp: 1809

Ion Ratio Lower Upper

76 100

78 9.8 7.2 10.8



#20

Methylene Chloride

Concen: 0.214 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.018 min

Lab File: VX034521.D

Acq: 15 Mar 2023 20:17

Tgt Ion: 84 Resp: 688

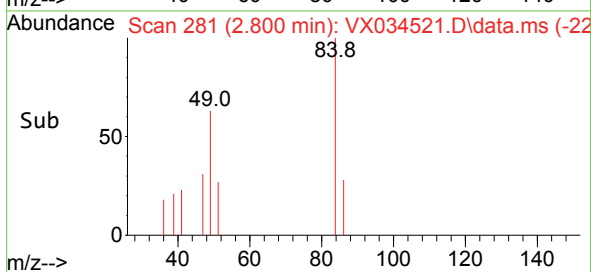
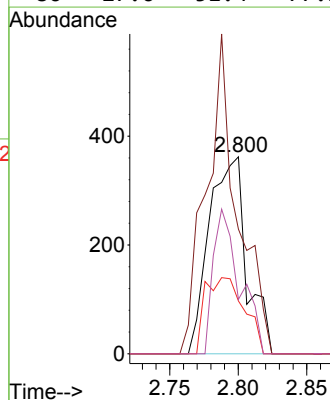
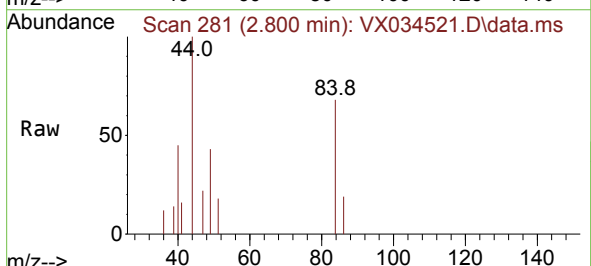
Ion Ratio Lower Upper

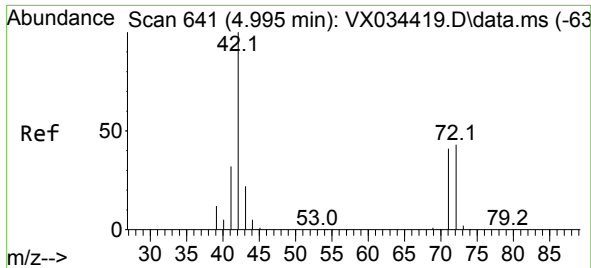
84 100

49 63.3 103.8 155.8#

51 26.8 31.8 47.8#

86 27.6 51.4 77.2#

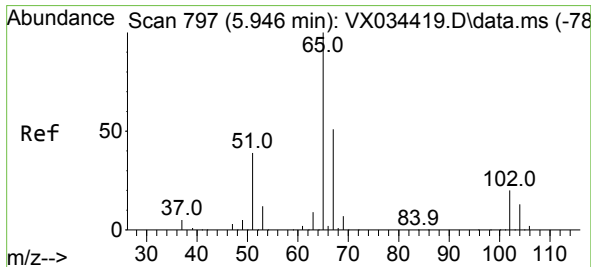
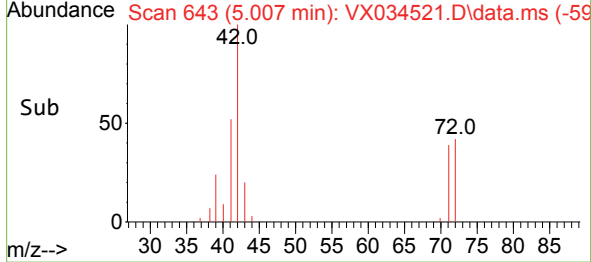
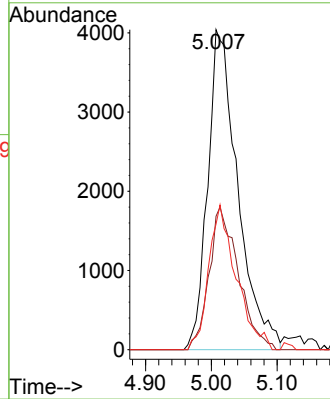
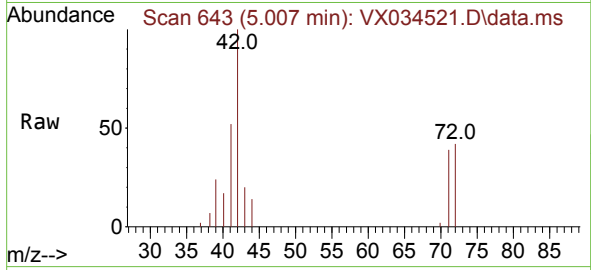




#29
Tetrahydrofuran
Concen: 8.819 ug/l
RT: 5.007 min Scan# 641
Delta R.T. 0.012 min
Lab File: VX034521.D
Acq: 15 Mar 2023 20:17

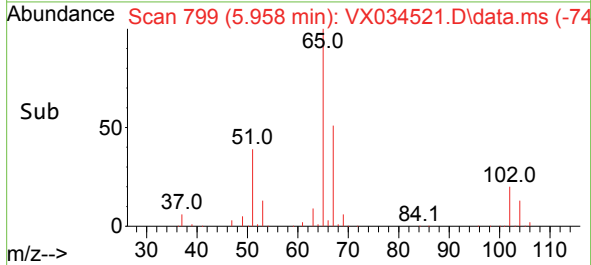
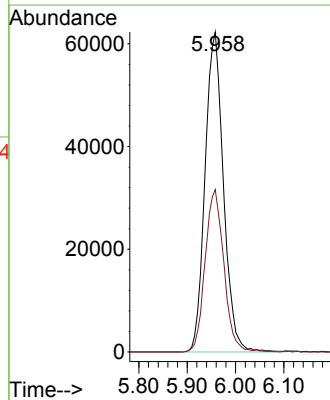
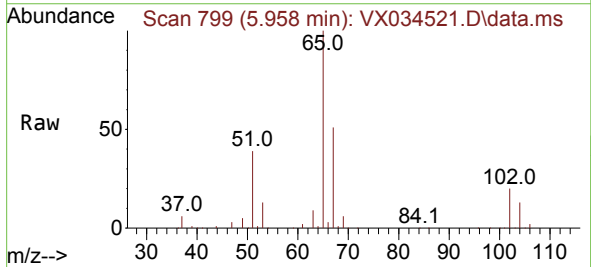
Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01D1-20230312

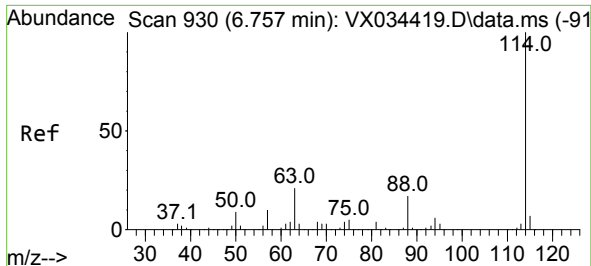
Tgt Ion: 42 Resp: 12873
Ion Ratio Lower Upper
42 100
72 43.6 34.5 51.7
71 41.6 32.1 48.1



#33
1,2-Dichloroethane-d4
Concen: 46.936 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.012 min
Lab File: VX034521.D
Acq: 15 Mar 2023 20:17

Tgt Ion: 65 Resp: 164731
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX034521.D

Acq: 15 Mar 2023 20:17

Instrument :

MSVOA_X

ClientSampleId :

RW9-MW01D1-20230312

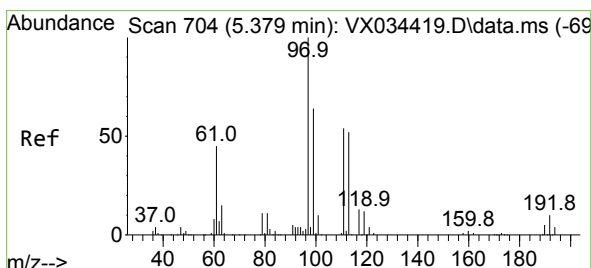
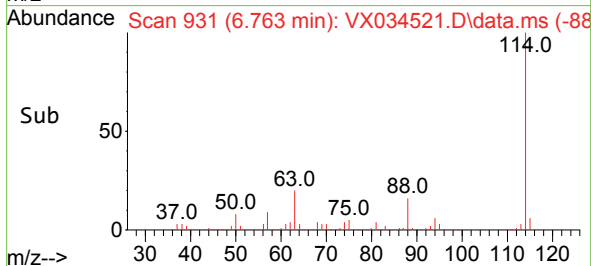
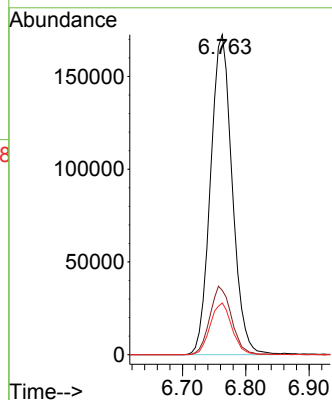
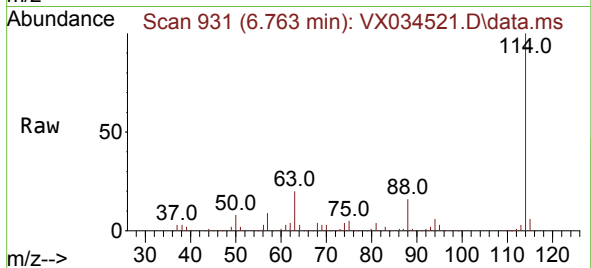
Tgt Ion:114 Resp: 410516

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.2

88 16.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.793 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX034521.D

Acq: 15 Mar 2023 20:17

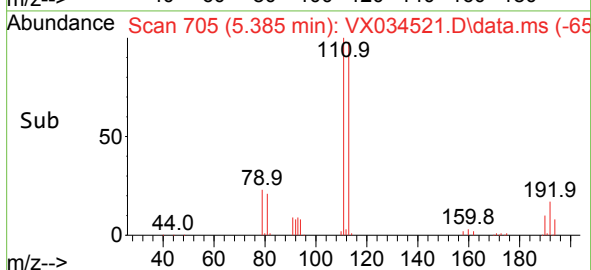
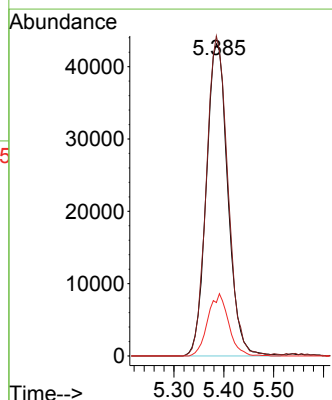
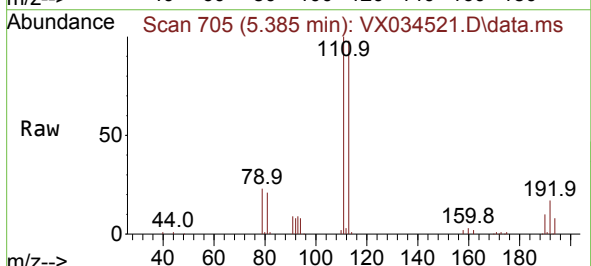
Tgt Ion:113 Resp: 129539

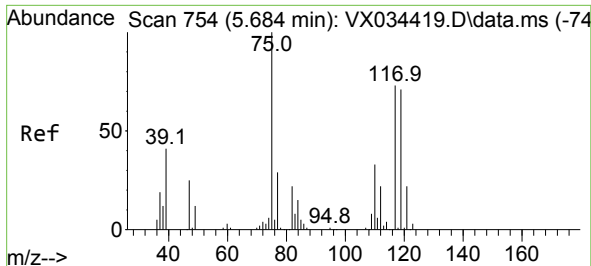
Ion Ratio Lower Upper

113 100

111 102.0 83.7 125.5

192 19.2 15.4 23.2

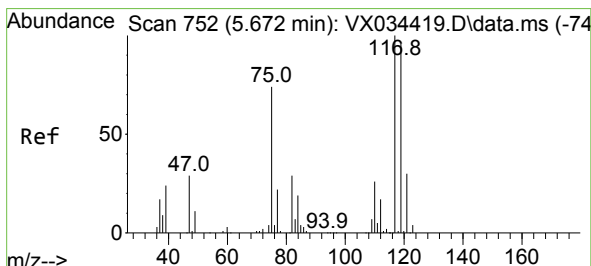
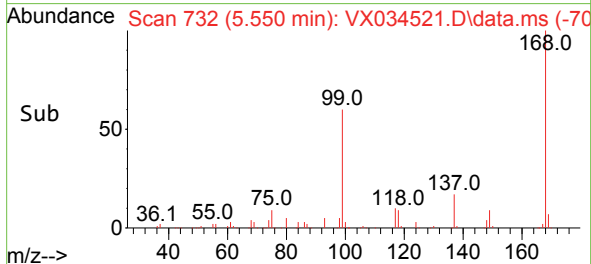
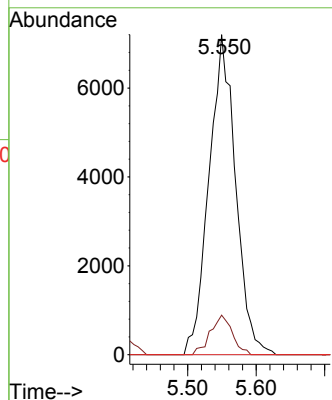
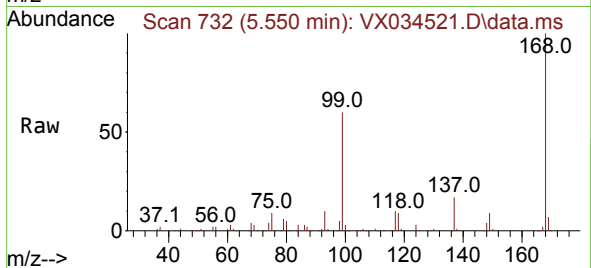




#36
1,1-Dichloropropene
Concen: 4.669 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.134 min
Lab File: VX034521.D
Acq: 15 Mar 2023 20:17

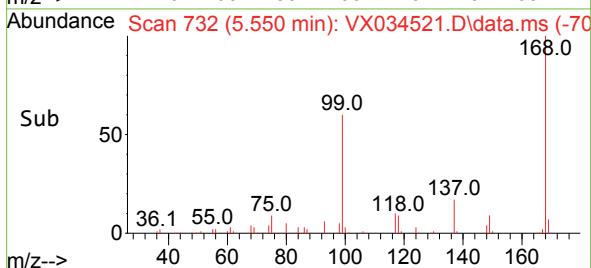
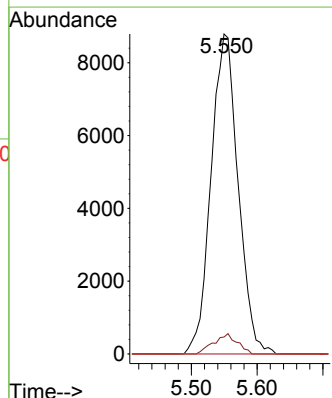
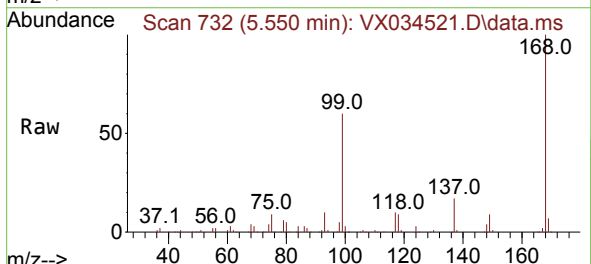
Instrument :
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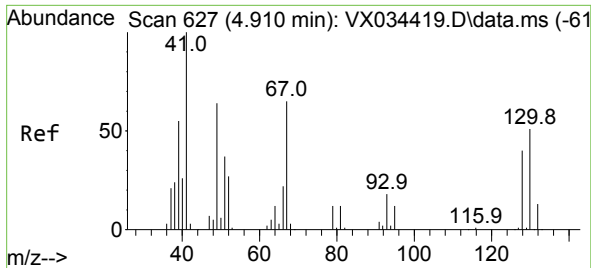
Tgt Ion: 75 Resp: 19436
Ion Ratio Lower Upper
75 100
110 10.2 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.076 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX034521.D
Acq: 15 Mar 2023 20:17

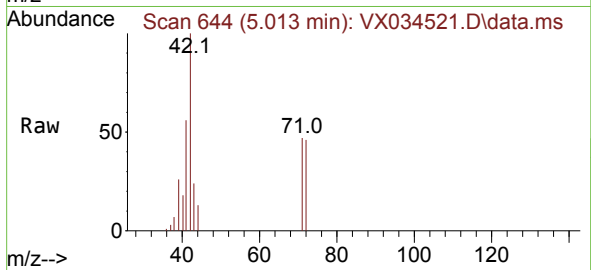
Tgt Ion: 117 Resp: 25162
Ion Ratio Lower Upper
117 100
119 5.3 76.6 114.8#
121 0.0 23.8 35.6#



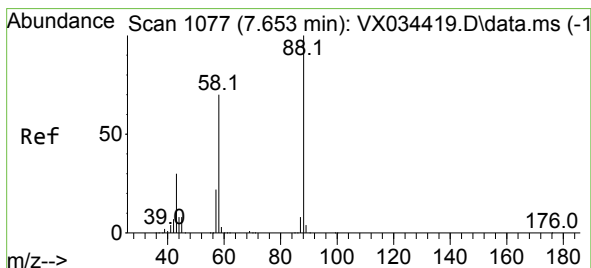
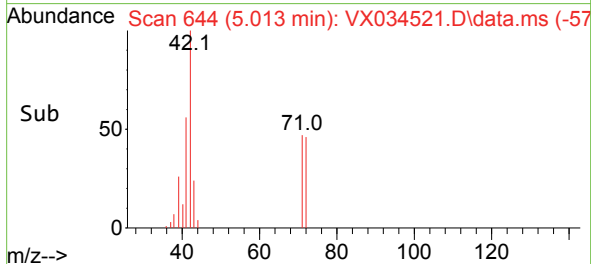
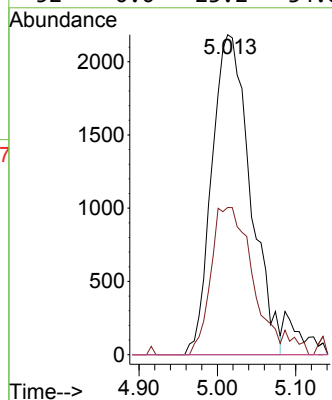


#41
Methacrylonitrile
Concen: 2.995 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.103 min
Lab File: VX034521.D
Acq: 15 Mar 2023 20:17

Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01D1-20230312

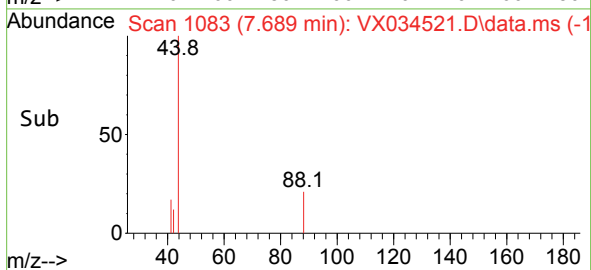
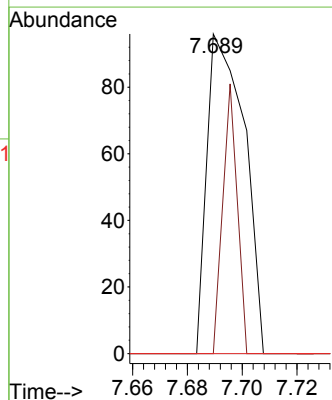
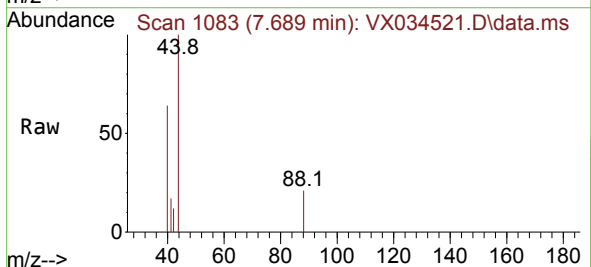


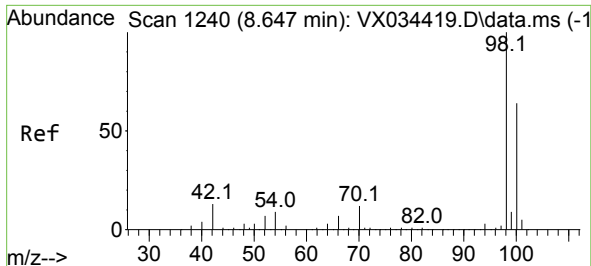
Tgt Ion:	41	Resp:	7465
Ion	Ratio	Lower	Upper
41	100		
39	48.8	45.0	67.6
67	0.0	55.6	83.4#
52	0.0	23.2	34.8#



#49
1,4-Dioxane
Concen: 1.169 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. 0.036 min
Lab File: VX034521.D
Acq: 15 Mar 2023 20:17

Tgt Ion:	88	Resp:	91
Ion	Ratio	Lower	Upper
88	100		
43	33.0	27.7	41.5
58	0.0	56.8	85.2#

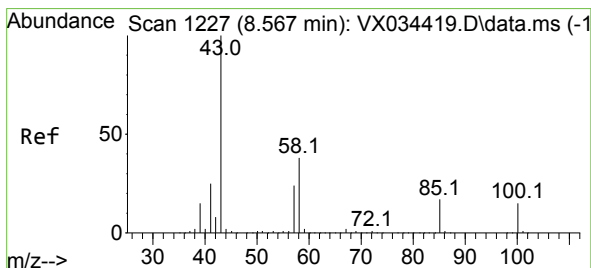
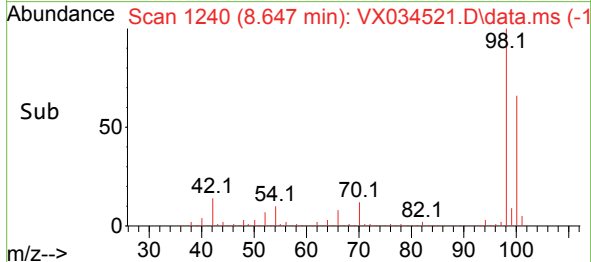
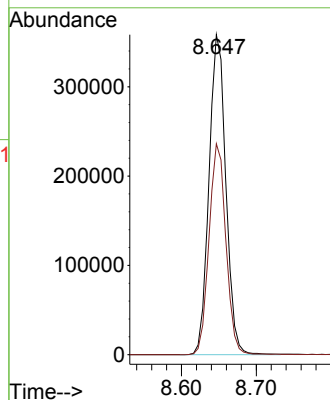
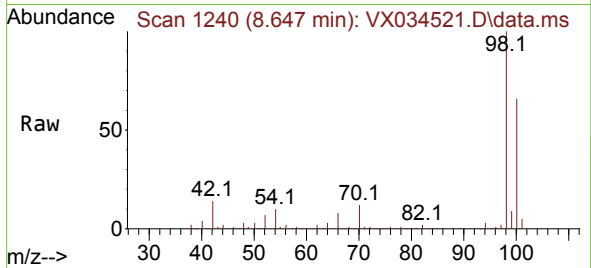




#50
Toluene-d8
Concen: 55.376 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034521.D
Acq: 15 Mar 2023 20:17

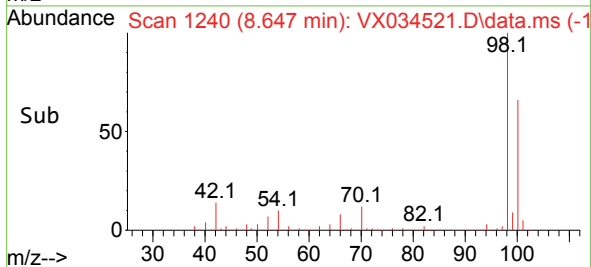
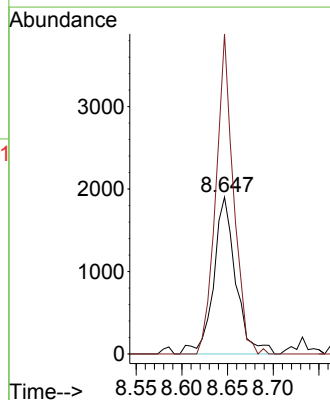
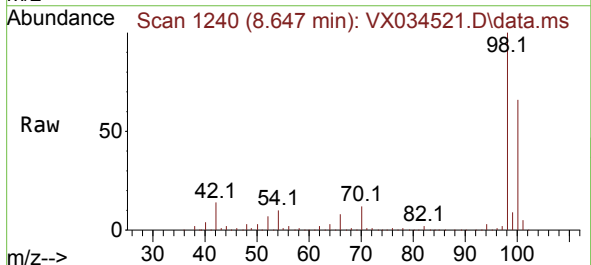
Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01D1-20230312

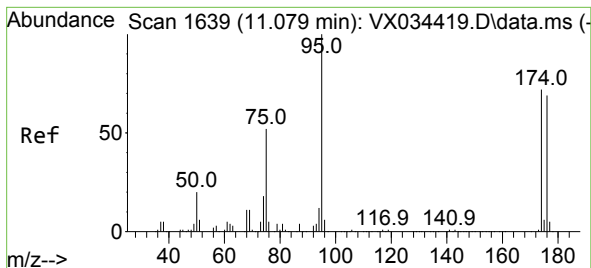
Tgt Ion: 98 Resp: 560305
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.717 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.079 min
Lab File: VX034521.D
Acq: 15 Mar 2023 20:17

Tgt Ion: 43 Resp: 3205
Ion Ratio Lower Upper
43 100
58 162.6 30.6 46.0#

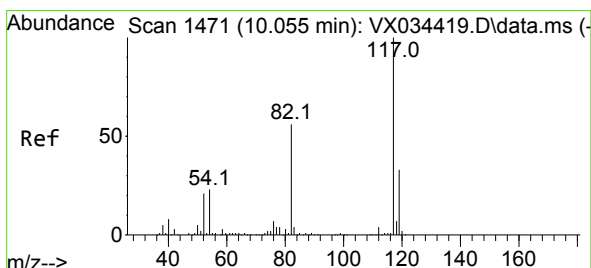
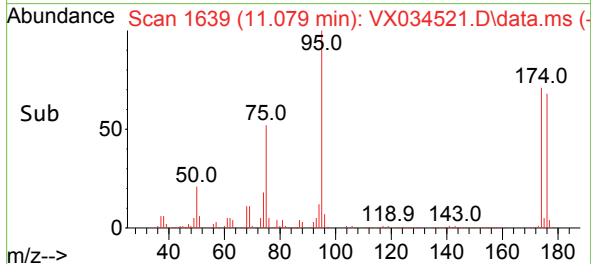
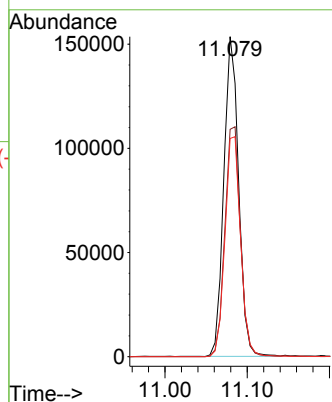
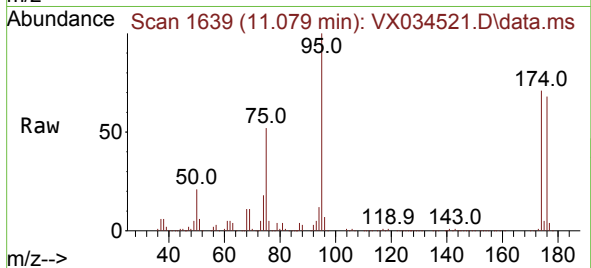




#62
4-Bromofluorobenzene
Concen: 47.067 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034521.D
Acq: 15 Mar 2023 20:17

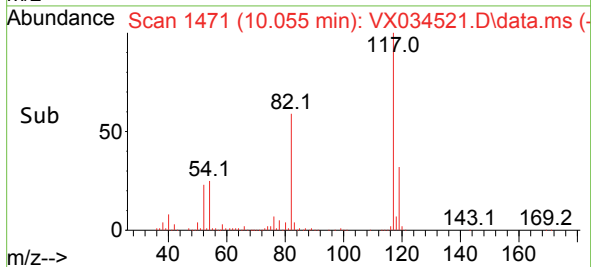
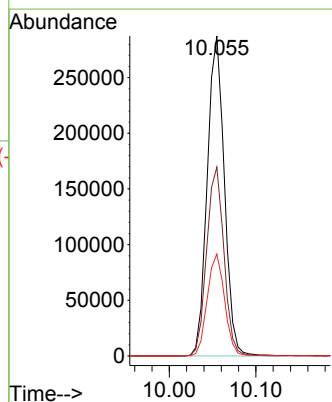
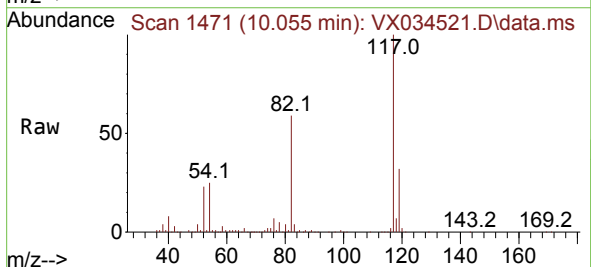
Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01D1-20230312

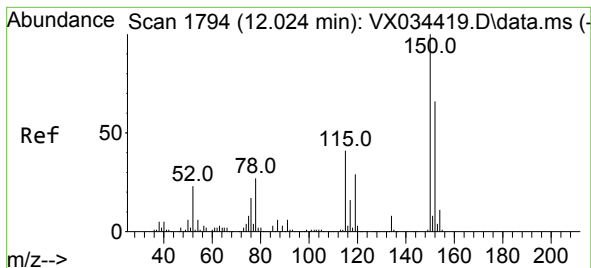
Tgt Ion: 95 Resp: 192362
Ion Ratio Lower Upper
95 100
174 75.6 0.0 147.4
176 73.0 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034521.D
Acq: 15 Mar 2023 20:17

Tgt Ion: 117 Resp: 394979
Ion Ratio Lower Upper
117 100
82 59.0 45.0 67.4
119 31.9 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX034521.D

Acq: 15 Mar 2023 20:17

Instrument :

MSVOA_X

ClientSampleId :

RW9-MW01D1-20230312

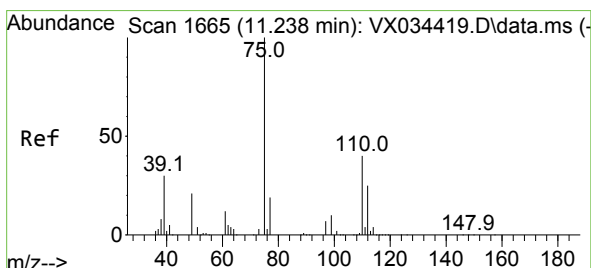
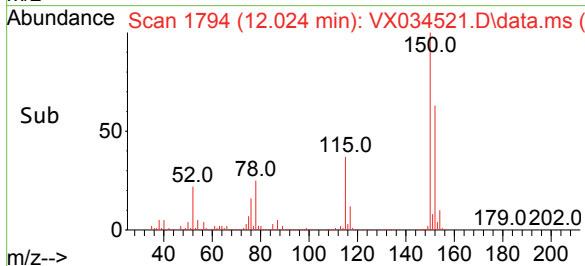
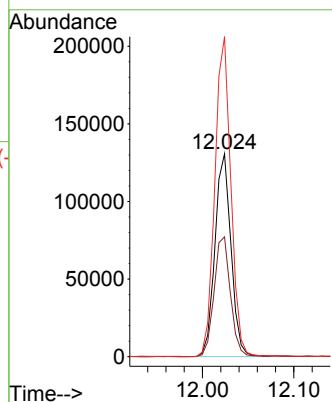
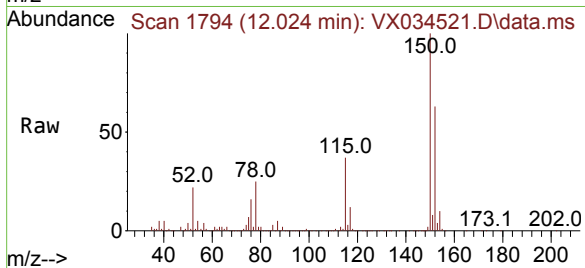
Tgt Ion:152 Resp: 160230

Ion Ratio Lower Upper

152 100

115 59.9 45.0 135.0

150 156.9 0.0 352.4



#76

1,2,3-Trichloropropane

Concen: 27.547 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034521.D

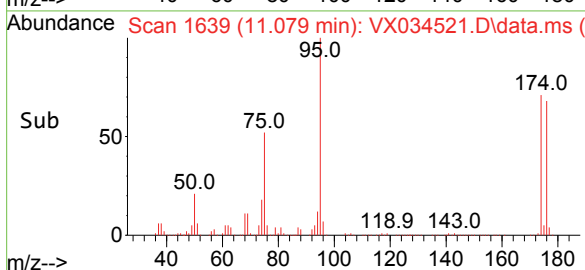
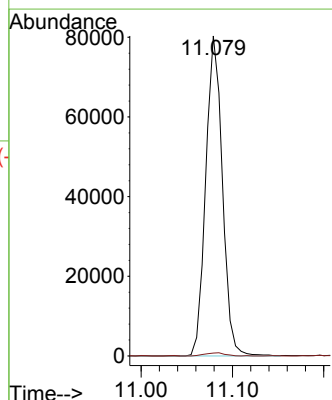
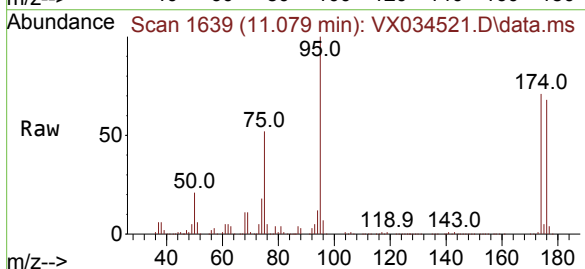
Acq: 15 Mar 2023 20:17

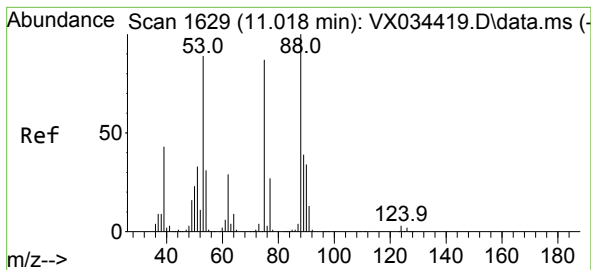
Tgt Ion: 75 Resp: 101348

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.524 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034521.D
 Acq: 15 Mar 2023 20:17

Instrument :
 MSVOA_X
 ClientSampleId :
 RW9-MW01D1-20230312

Tgt Ion: 75 Resp: 101348
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

