

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083122\
 Data File : VX030982.D
 Acq On : 31 Aug 2022 16:44
 Operator : JC/MD
 Sample : N4381-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-48

Quant Time: Sep 06 02:19:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 30 14:24:53 2022
 Response via : Initial Calibration

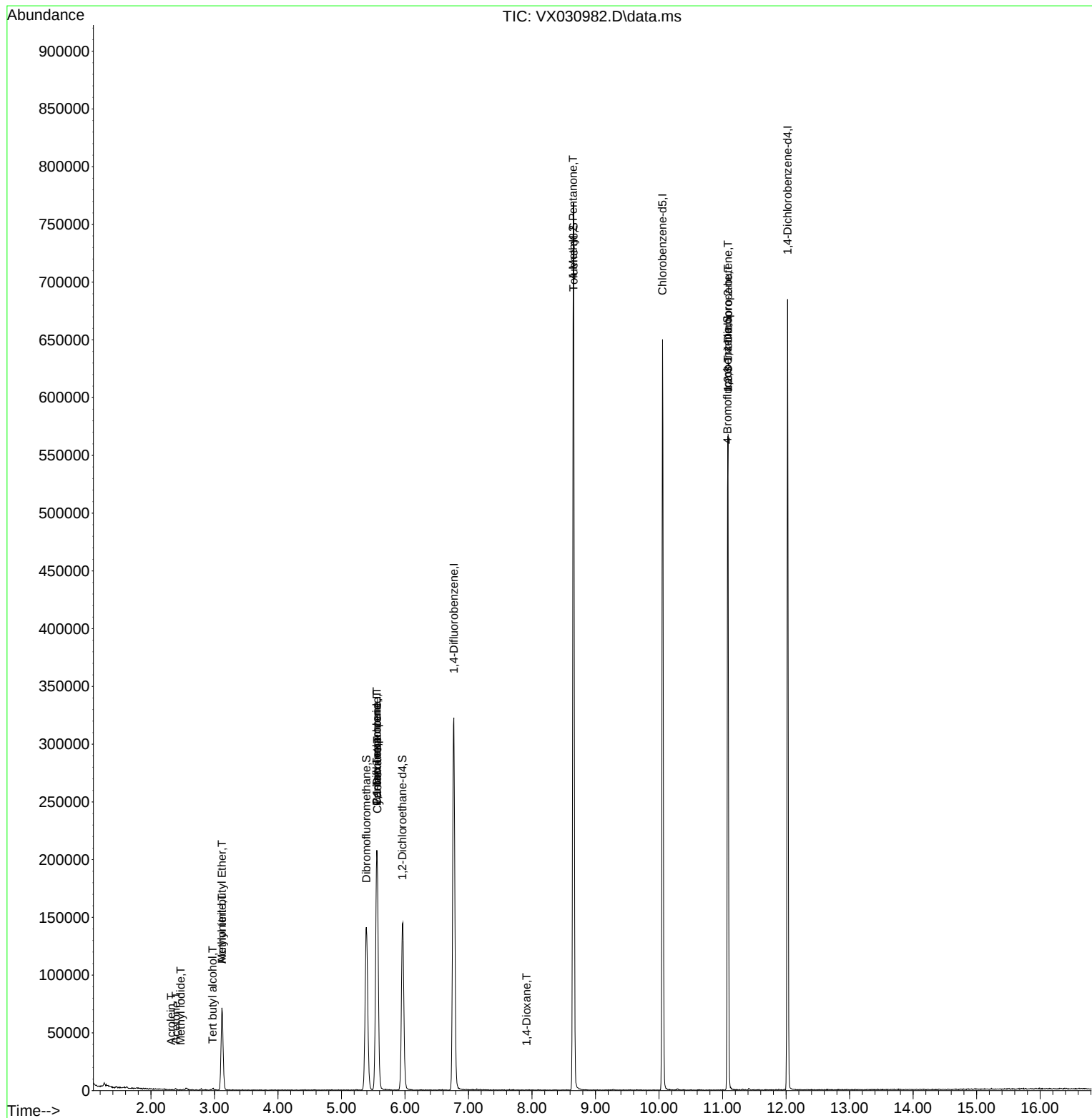
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	207734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	356224	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	311664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	148843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	137615	46.187	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.380%
35) Dibromofluoromethane	5.391	113	128590	48.970	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.940%
50) Toluene-d8	8.653	98	473007	48.640	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.280%
62) 4-Bromofluorobenzene	11.079	95	166145	47.977	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.960%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	236	Below Cal	#	50
10) Methyl Iodide	2.465	142	140	4.430	ug/l #	35
11) Tert butyl alcohol	2.971	59	1879	2.662	ug/l #	74
13) Acrolein	2.319	56	30	7.355	ug/l #	14
15) Acrylonitrile	3.117	53	1062	0.681	ug/l #	26
16) Acetone	2.392	43	1085	0.807	ug/l #	80
19) Methyl tert-butyl Ether	3.117	73	79865	9.713	ug/l	94
31) Cyclohexane	5.562	56	3619	0.821	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	15026	3.850	ug/l #	44
38) Carbon Tetrachloride	5.556	117	20194	5.435	ug/l #	17
49) 1,4-Dioxane	7.915	88	25	0.298	ug/l #	25
51) 4-Methyl-2-Pentanone	8.647	43	1655	0.394	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	73583	20.081	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	73583	59.703	ug/l #	13

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

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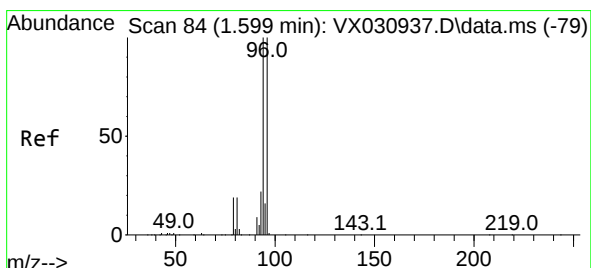
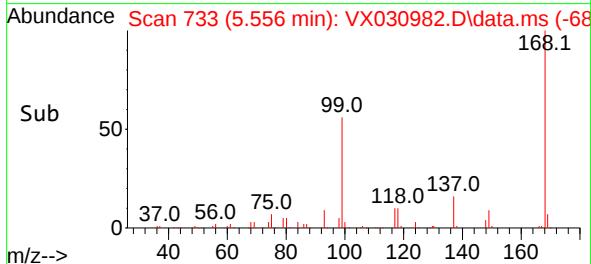
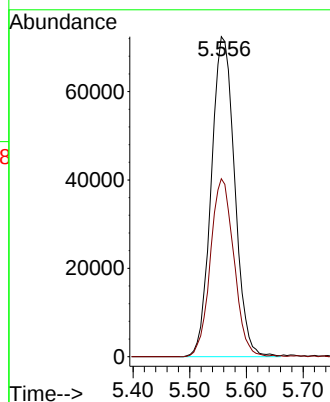
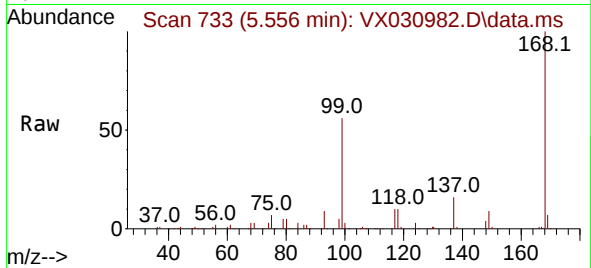




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030982.D
Acq: 31 Aug 2022 16:44

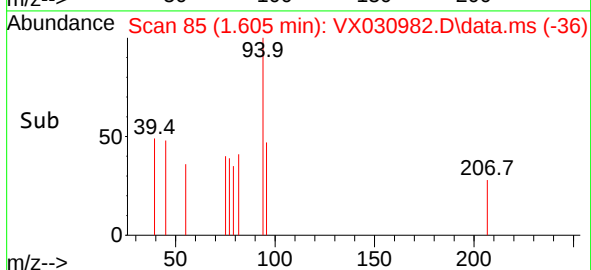
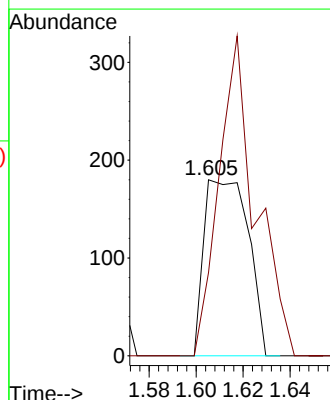
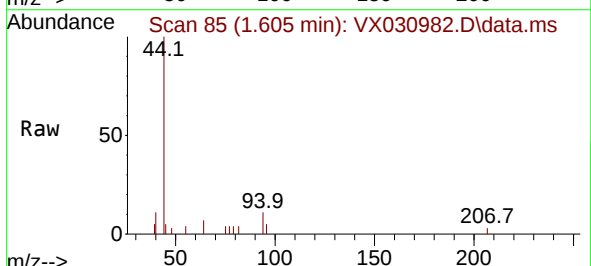
Instrument :
MSVOA_X
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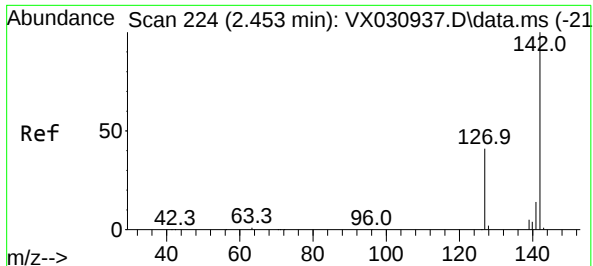
Tgt Ion:168 Resp: 207734
Ion Ratio Lower Upper
168 100
99 55.6 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.000 min
Lab File: VX030982.D
Acq: 31 Aug 2022 16:44

Tgt Ion: 94 Resp: 236
Ion Ratio Lower Upper
94 100
96 47.2 76.9 115.3#

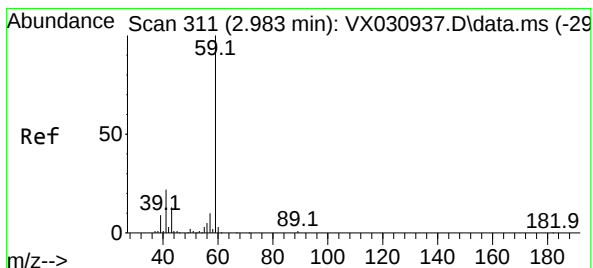
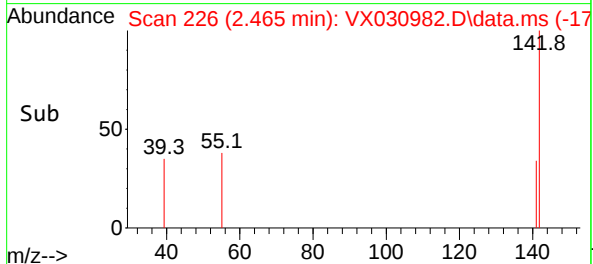
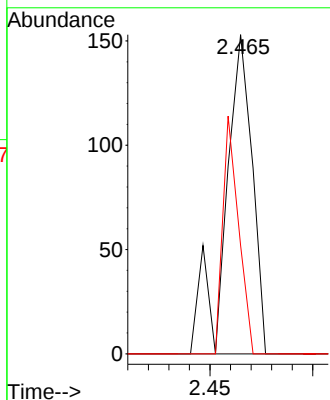
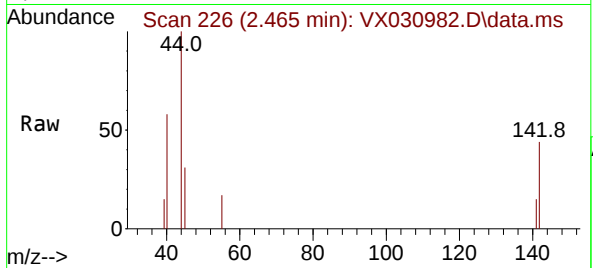




#10
Methyl Iodide
Concen: 4.430 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX030982.D
Acq: 31 Aug 2022 16:44

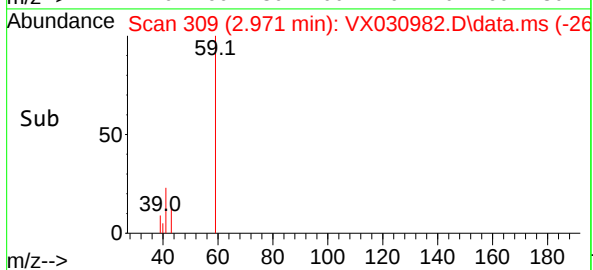
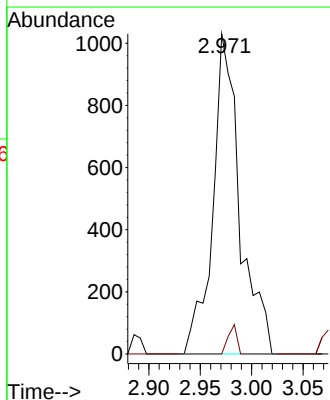
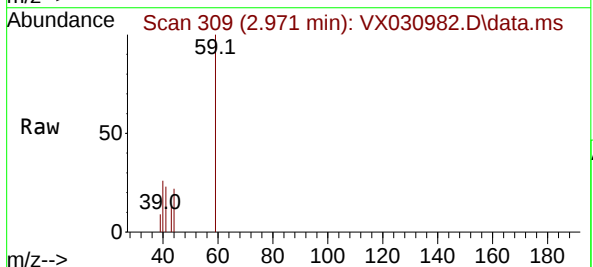
Instrument :
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ClientSampleId :
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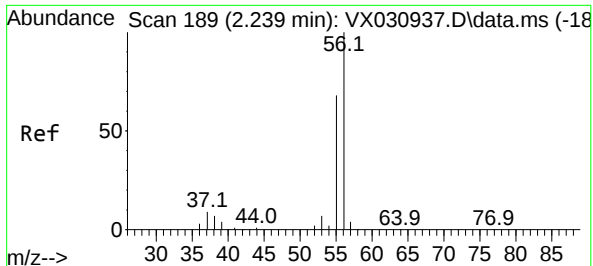
Tgt Ion:142 Resp: 140
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 43.6 11.3 16.9#



#11
Tert butyl alcohol
Concen: 2.662 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.018 min
Lab File: VX030982.D
Acq: 31 Aug 2022 16:44

Tgt Ion: 59 Resp: 1879
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

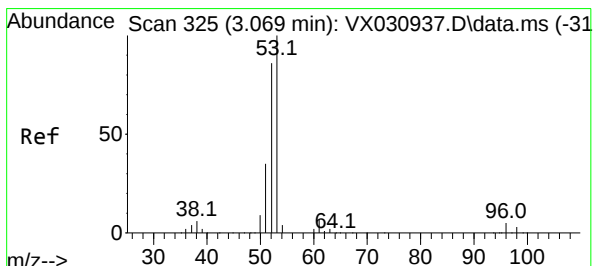
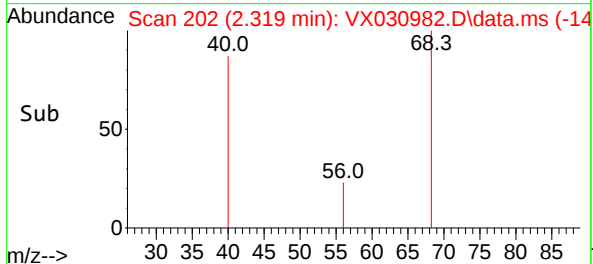
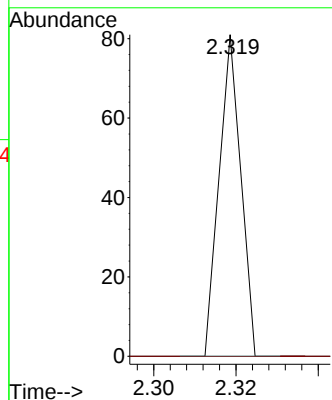
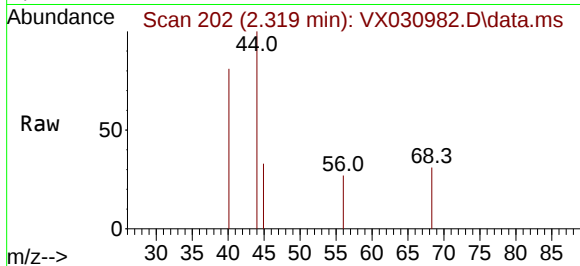




#13
Acrolein
Concen: 7.355 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.080 min
Lab File: VX030982.D
Acq: 31 Aug 2022 16:44

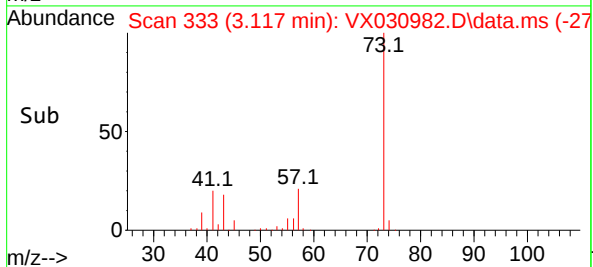
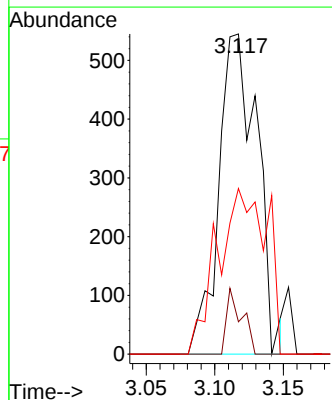
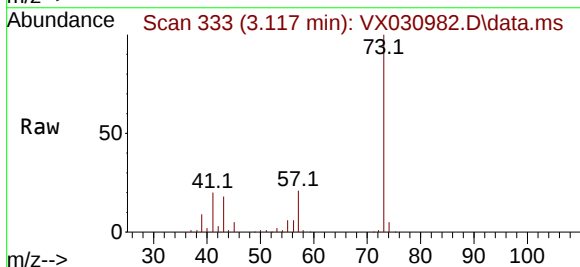
Instrument :
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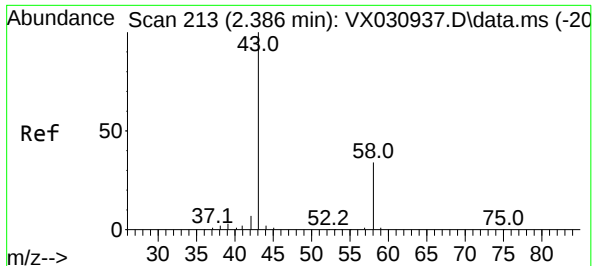
Tgt Ion: 56 Resp: 30
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#15
Acrylonitrile
Concen: 0.681 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.048 min
Lab File: VX030982.D
Acq: 31 Aug 2022 16:44

Tgt Ion: 53 Resp: 1062
Ion Ratio Lower Upper
53 100
52 8.2 65.4 98.0#
51 66.2 27.7 41.5#

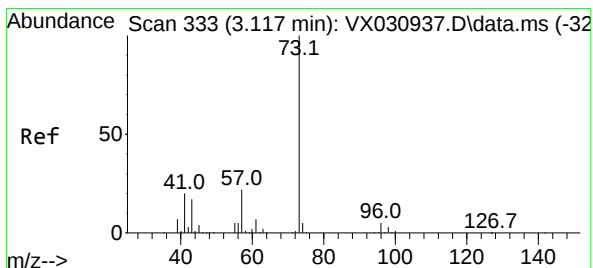
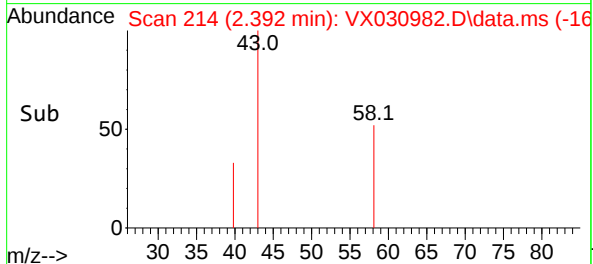
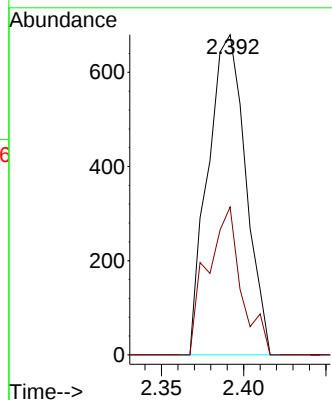
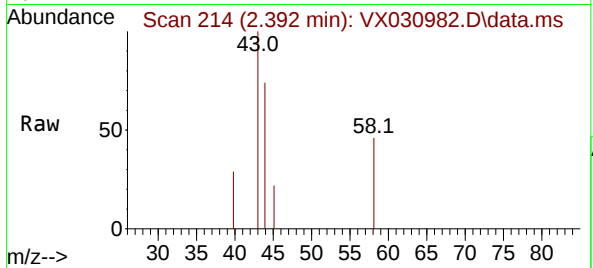




#16
Acetone
Concen: 0.807 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX030982.D
Acq: 31 Aug 2022 16:44

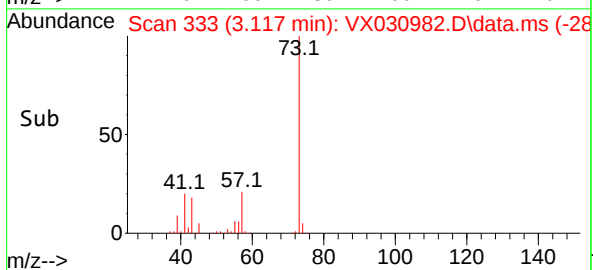
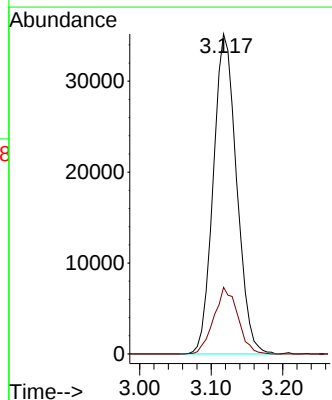
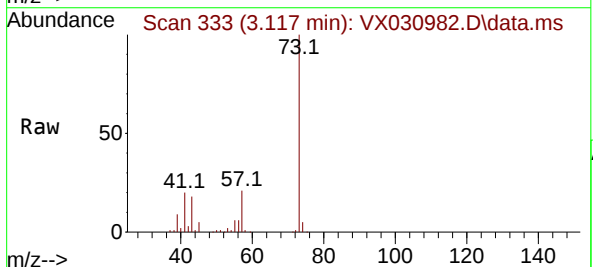
Instrument :
MSVOA_X
ClientSampleId :
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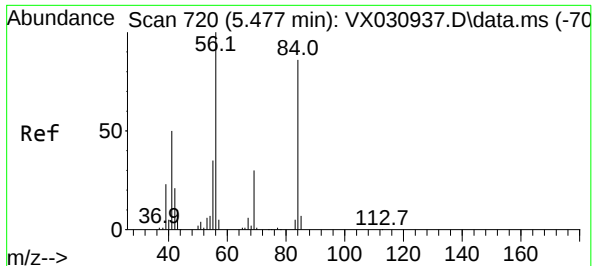
Tgt Ion: 43 Resp: 1085
Ion Ratio Lower Upper
43 100
58 46.2 27.7 41.5#



#19
Methyl tert-butyl Ether
Concen: 9.713 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX030982.D
Acq: 31 Aug 2022 16:44

Tgt Ion: 73 Resp: 79865
Ion Ratio Lower Upper
73 100
57 20.8 19.0 28.6

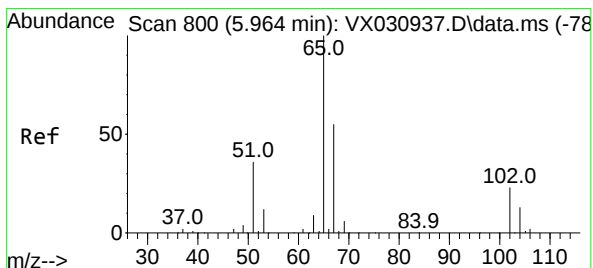
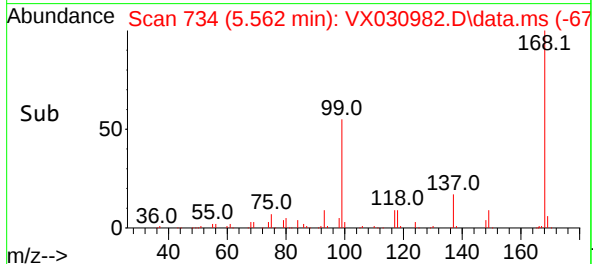
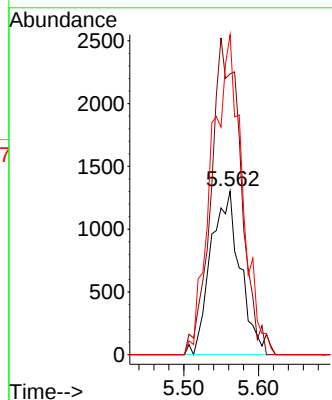
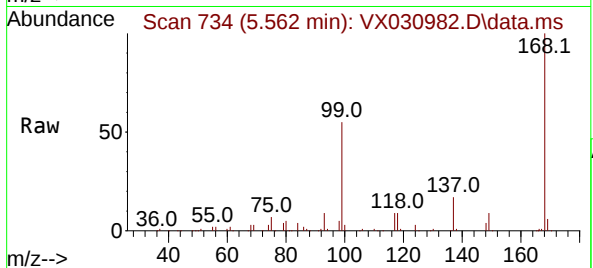




#31
Cyclohexane
Concen: 0.821 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX030982.D
Acq: 31 Aug 2022 16:44

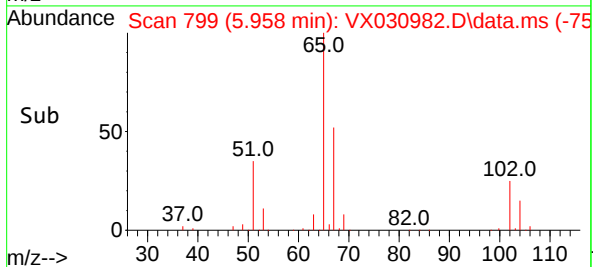
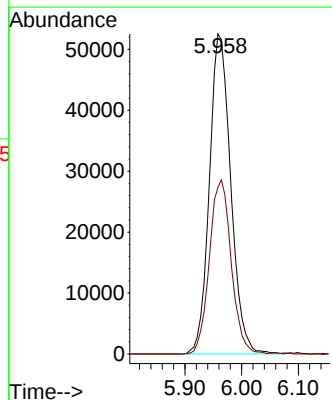
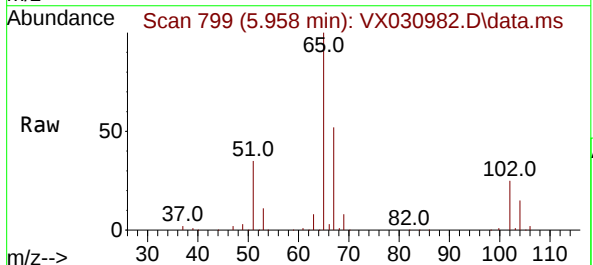
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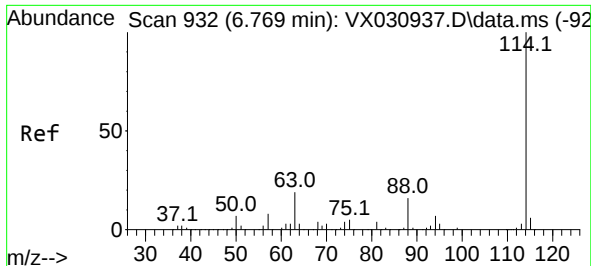
Tgt Ion: 56 Resp: 3619
Ion Ratio Lower Upper
56 100
69 171.7 25.4 38.0#
84 195.6 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 46.187 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX030982.D
Acq: 31 Aug 2022 16:44

Tgt Ion: 65 Resp: 137615
Ion Ratio Lower Upper
65 100
67 55.4 0.0 109.6

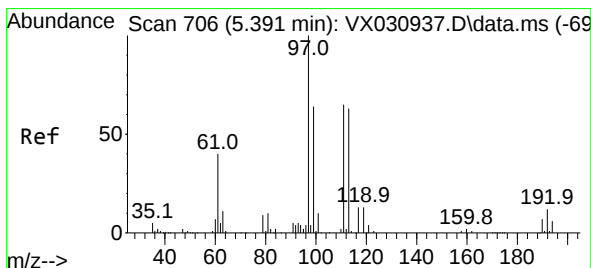
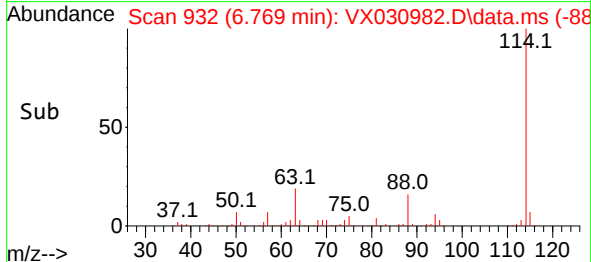
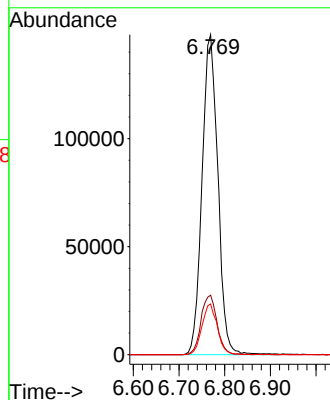
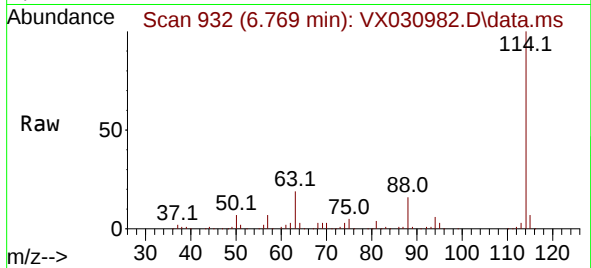




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX030982.D
Acq: 31 Aug 2022 16:44

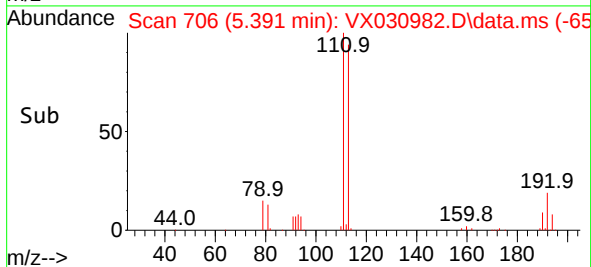
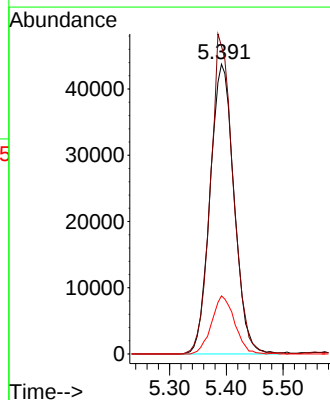
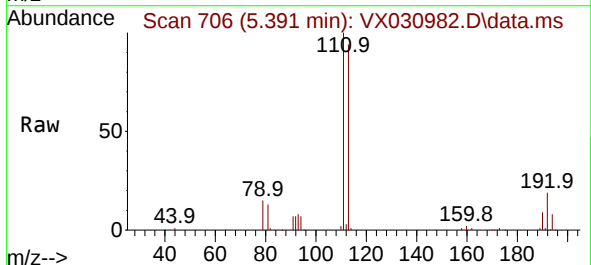
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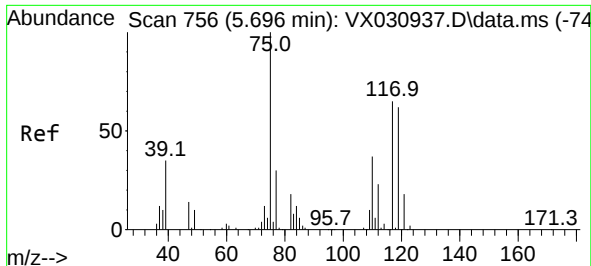
Tgt Ion:114 Resp: 356224
Ion Ratio Lower Upper
114 100
63 18.6 0.0 38.4
88 15.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 48.970 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030982.D
Acq: 31 Aug 2022 16:44

Tgt Ion:113 Resp: 128590
Ion Ratio Lower Upper
113 100
111 103.9 83.2 124.8
192 19.1 14.8 22.2

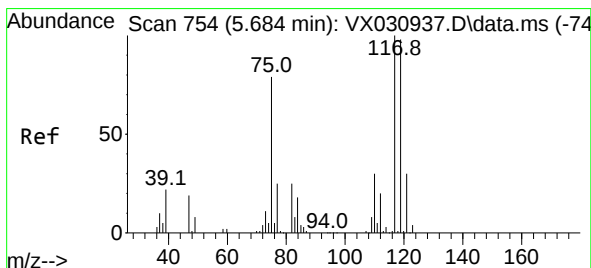
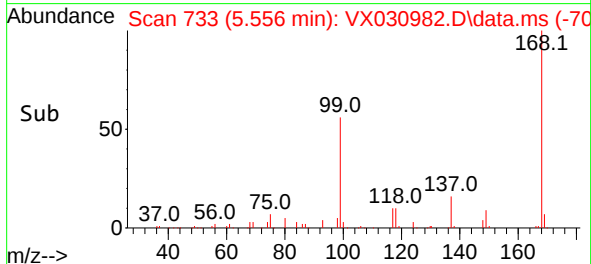
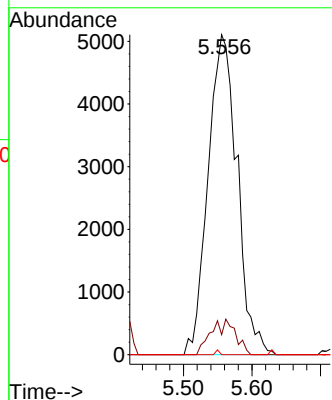
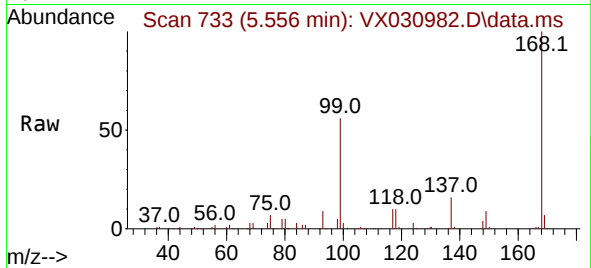




#36
1,1-Dichloropropene
Concen: 3.850 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX030982.D
Acq: 31 Aug 2022 16:44

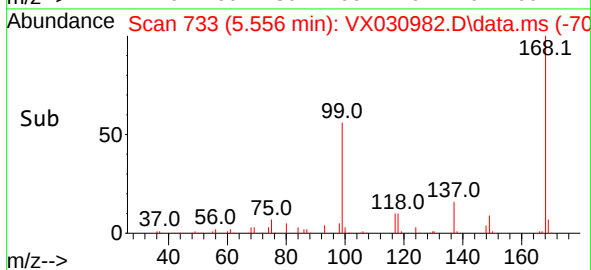
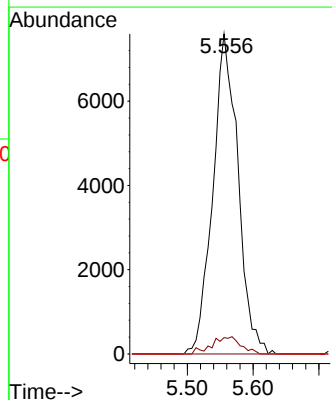
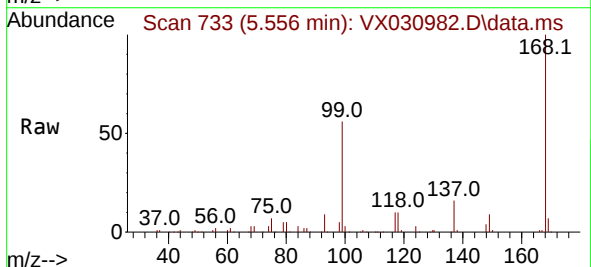
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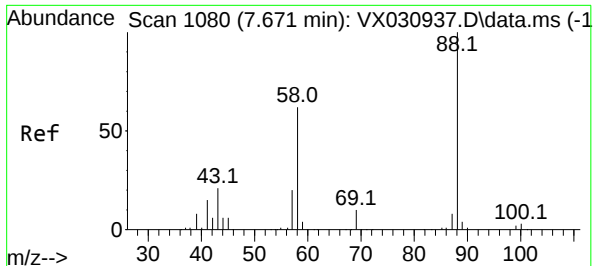
Tgt Ion: 75 Resp: 15026
Ion Ratio Lower Upper
75 100
110 4.7 19.3 57.9#
77 0.2 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.435 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX030982.D
Acq: 31 Aug 2022 16:44

Tgt Ion: 117 Resp: 20194
Ion Ratio Lower Upper
117 100
119 5.1 74.1 111.1#
121 0.0 25.8 38.8#





#49

1,4-Dioxane

Concen: 0.298 ug/l

RT: 7.915 min Scan# 1120

Delta R.T. 0.238 min

Lab File: VX030982.D

Acq: 31 Aug 2022 16:44

Instrument :

MSVOA_X

ClientSampleId :

MW-48

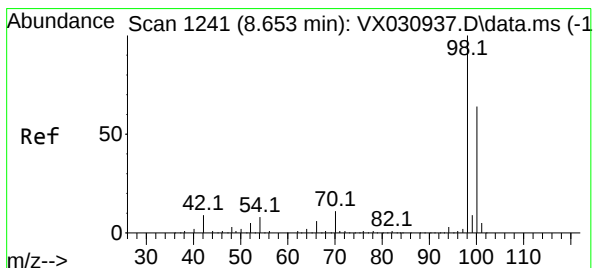
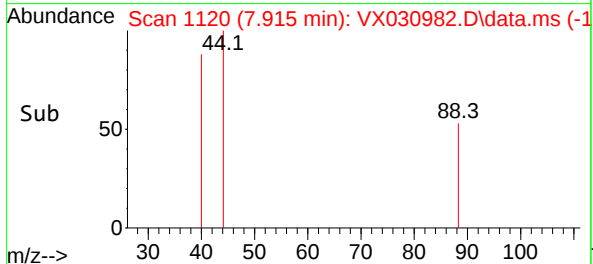
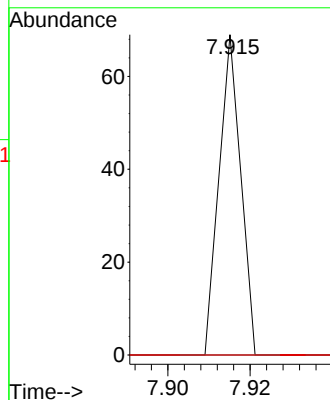
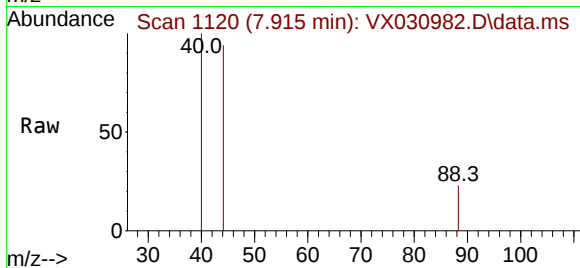
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 0.0 53.8 80.6#



#50

Toluene-d8

Concen: 48.640 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX030982.D

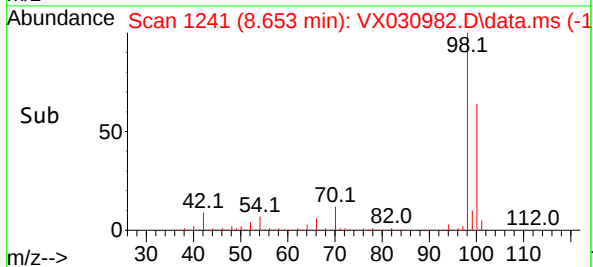
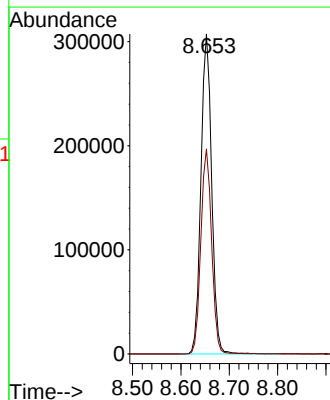
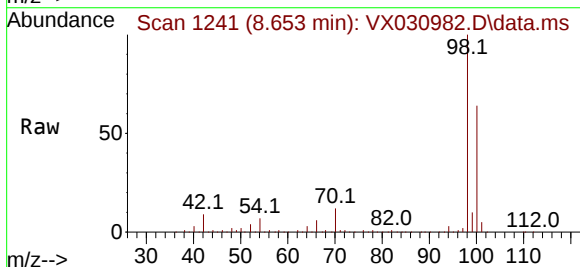
Acq: 31 Aug 2022 16:44

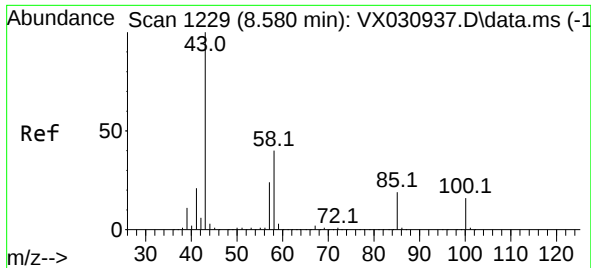
Tgt Ion: 98 Resp: 473007

Ion Ratio Lower Upper

98 100

100 64.4 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 0.394 ug/l

RT: 8.647 min Scan# 1

Delta R.T. 0.067 min

Lab File: VX030982.D

Acq: 31 Aug 2022 16:44

Instrument :

MSVOA_X

ClientSampleId :

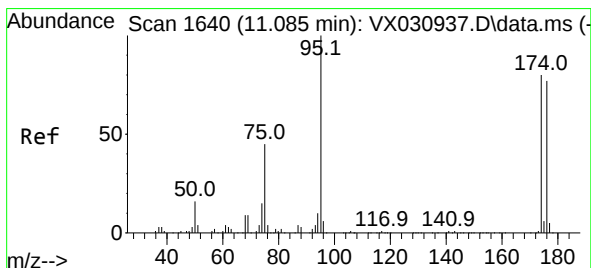
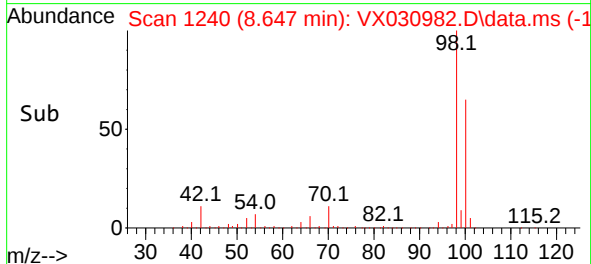
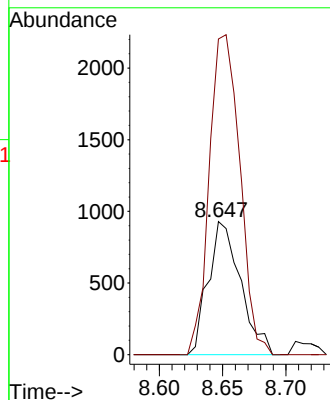
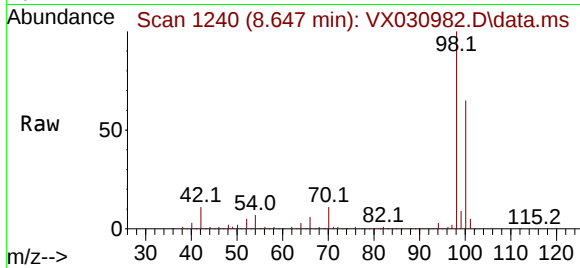
MW-48

Tgt Ion: 43 Resp: 1655

Ion Ratio Lower Upper

43 100

58 227.4 31.4 47.2#



#62

4-Bromofluorobenzene

Concen: 47.977 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX030982.D

Acq: 31 Aug 2022 16:44

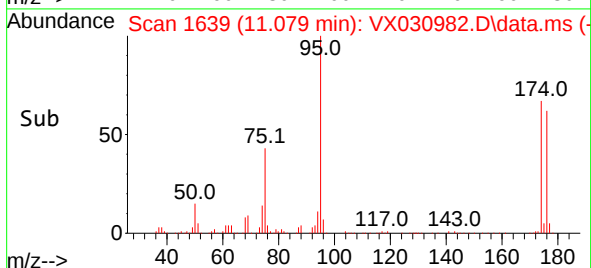
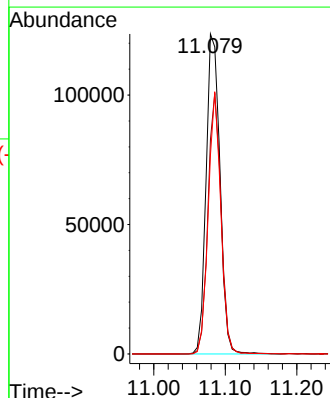
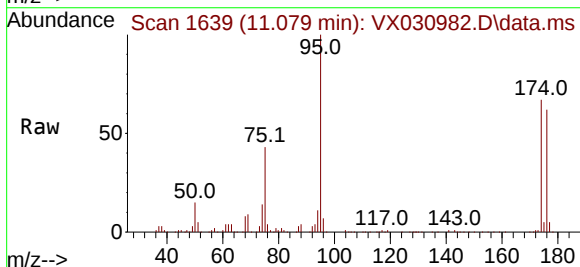
Tgt Ion: 95 Resp: 166145

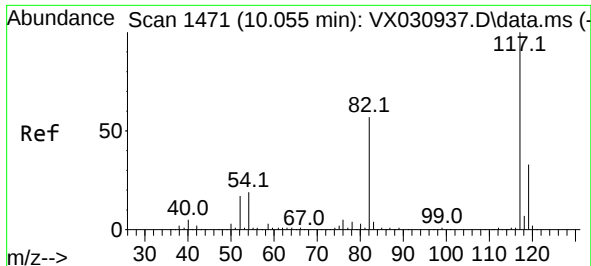
Ion Ratio Lower Upper

95 100

174 77.3 0.0 149.0

176 74.3 0.0 146.0

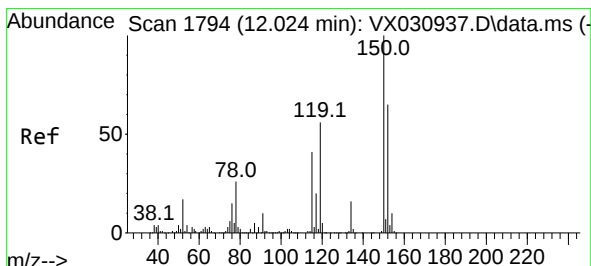
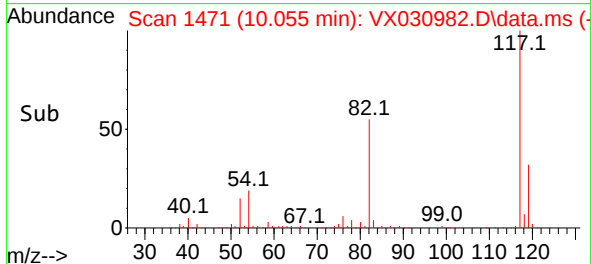
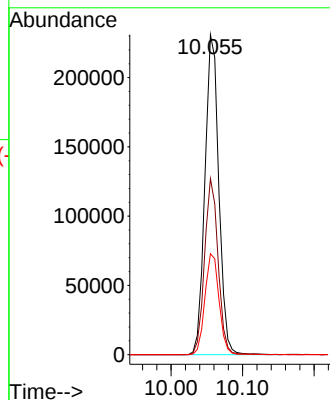
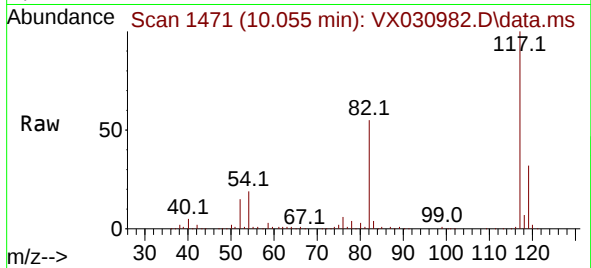




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030982.D
Acq: 31 Aug 2022 16:44

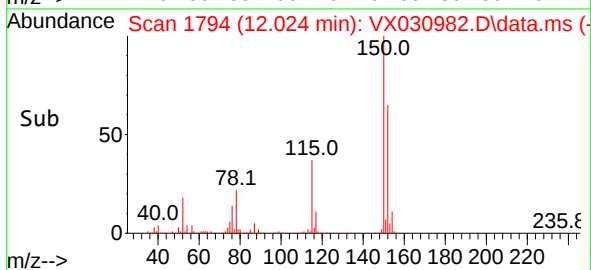
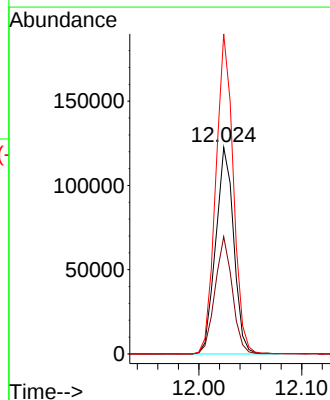
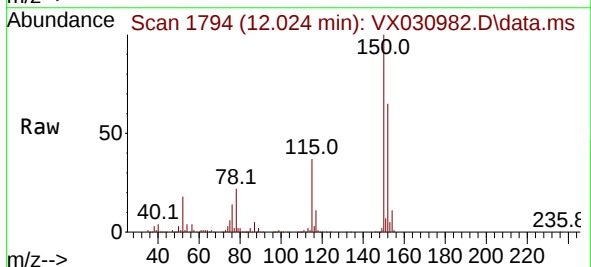
Instrument :
MSVOA_X
ClientSampleId :
MW-48

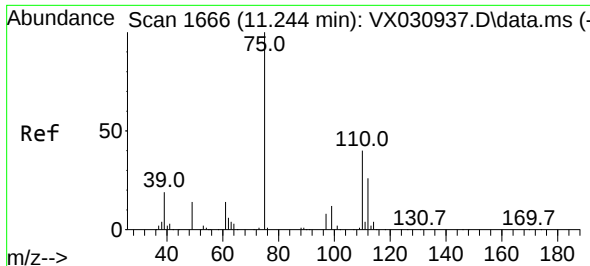
Tgt Ion:117 Resp: 311664
Ion Ratio Lower Upper
117 100
82 55.0 42.7 64.1
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030982.D
Acq: 31 Aug 2022 16:44

Tgt Ion:152 Resp: 148843
Ion Ratio Lower Upper
152 100
115 54.7 40.5 121.5
150 150.4 0.0 347.0

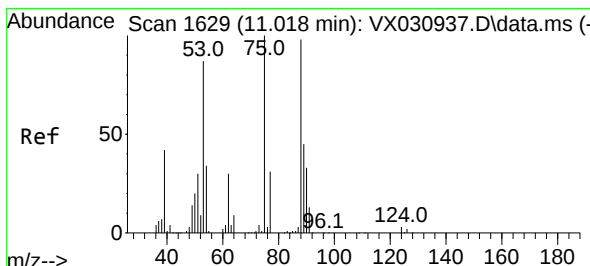
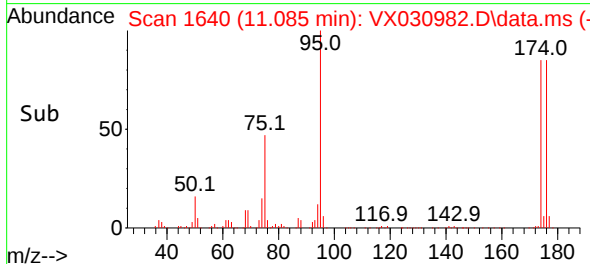
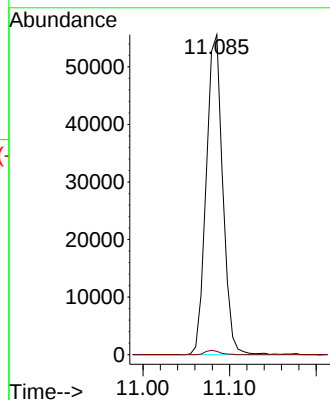
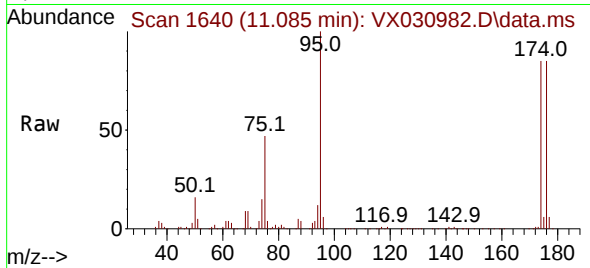




#76
1,2,3-Trichloropropane
Concen: 20.081 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030982.D
Acq: 31 Aug 2022 16:44

Instrument :
MSVOA_X
ClientSampleId :
MW-48

Tgt Ion: 75 Resp: 73583
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.703 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030982.D
Acq: 31 Aug 2022 16:44

Tgt Ion: 75 Resp: 73583
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

