

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062922\
 Data File : VX029882.D
 Acq On : 30 Jun 2022 00:34
 Operator : JC/MD
 Sample : N3481-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

Quant Time: Jun 30 06:25:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

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

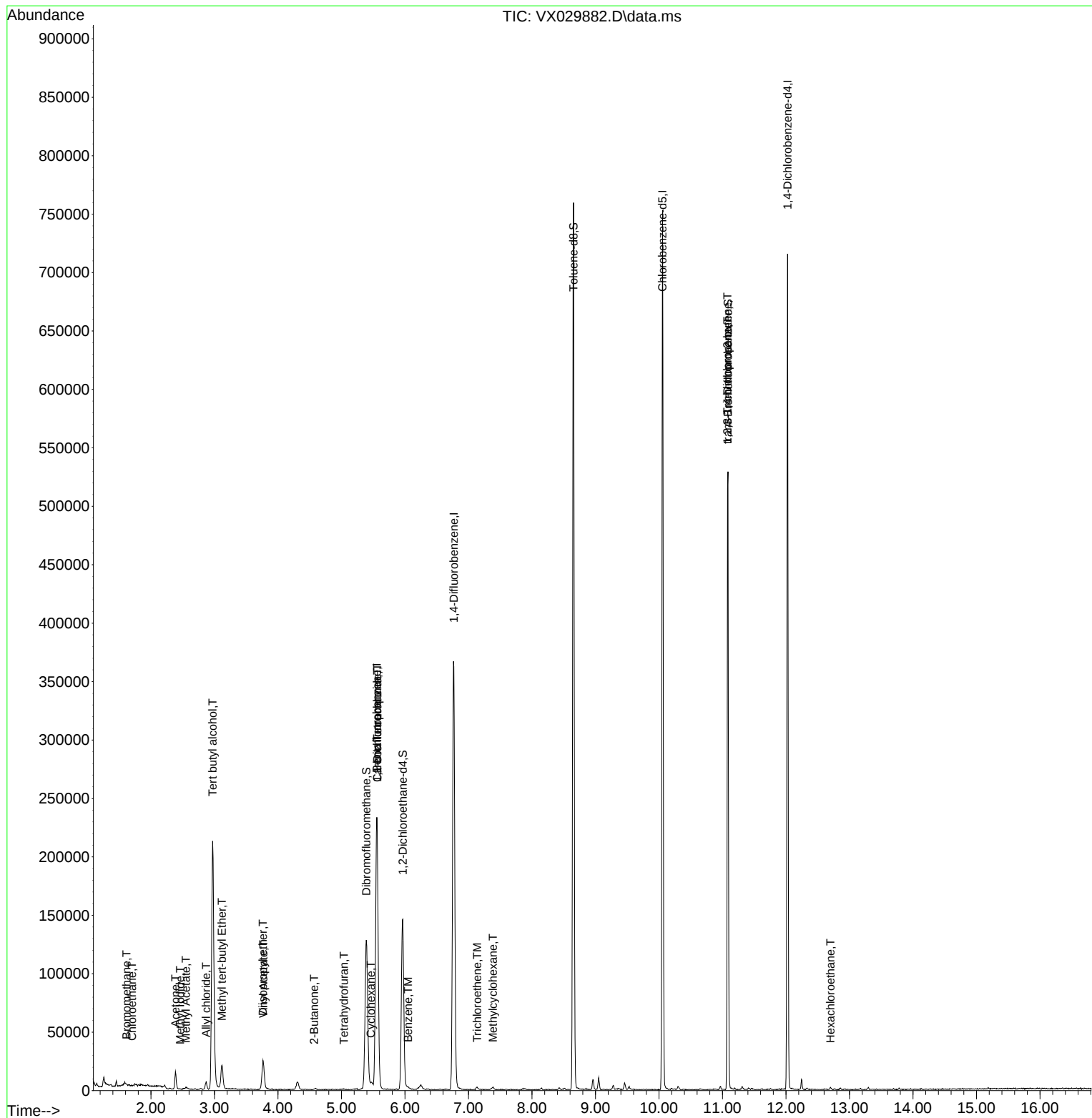
Internal Standards						
1) Pentafluorobenzene	5.556	168	233188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	406590	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	344642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	145613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	129996	44.040	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.080%
35) Dibromofluoromethane	5.391	113	115490	45.451	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.900%
50) Toluene-d8	8.653	98	452135	47.431	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.860%
62) 4-Bromofluorobenzene	11.085	95	149118	44.254	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.500%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	327	0.228	ug/l #	54
6) Chloroethane	1.703	64	364	1.222	ug/l	89
10) Methyl Iodide	2.459	142	430	2.002	ug/l #	61
11) Tert butyl alcohol	2.971	59	287208	372.050	ug/l	98
13) Acrolein	2.240	56	149	Below Cal	#	14
14) Allyl chloride	2.867	41	1719	0.388	ug/l #	70
16) Acetone	2.386	43	15065	10.432	ug/l	99
18) Methyl Acetate	2.550	43	1081	0.243	ug/l #	51
19) Methyl tert-butyl Ether	3.117	73	22917	2.826	ug/l	100
22) Diisopropyl ether	3.764	45	26756	2.987	ug/l #	74
23) Vinyl Acetate	3.770	43	12957	1.673	ug/l #	72
25) 2-Butanone	4.568	43	526	0.210	ug/l #	48
29) Tetrahydrofuran	5.038	42	337	0.204	ug/l	93
31) Cyclohexane	5.465	56	1941	0.472	ug/l	94
36) 1,1-Dichloropropene	5.562	75	17081	5.054	ug/l #	50
38) Carbon Tetrachloride	5.562	117	21906	7.481	ug/l #	15
39) Methylcyclohexane	7.385	83	974	0.238	ug/l #	81
40) Benzene	6.050	78	2289	0.209	ug/l	98
44) Trichloroethene	7.135	130	918	0.312	ug/l	53
76) 1,2,3-Trichloropropane	11.079	75	70002	20.082	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	70002	63.776	ug/l #	13
90) Hexachloroethane	12.701	117	839	0.590	ug/l #	16

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

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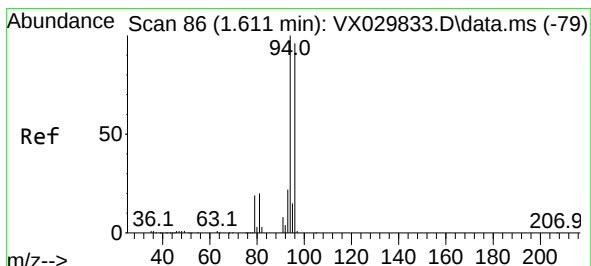
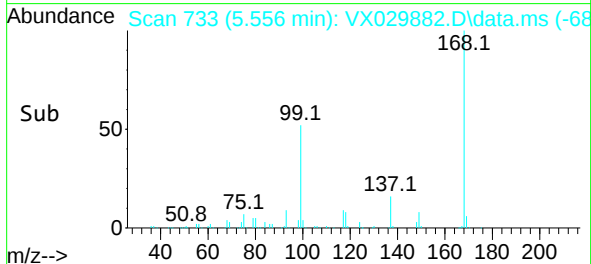
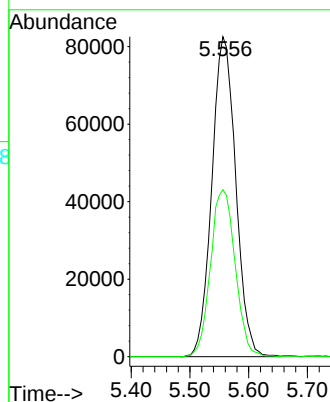
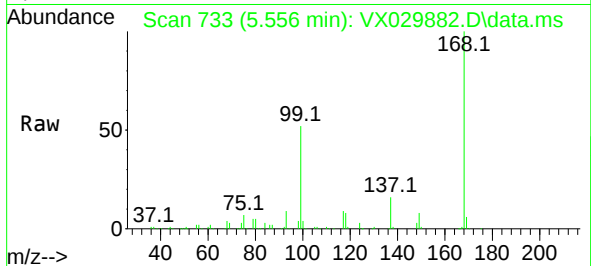




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

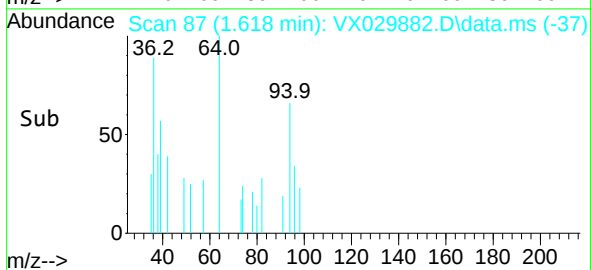
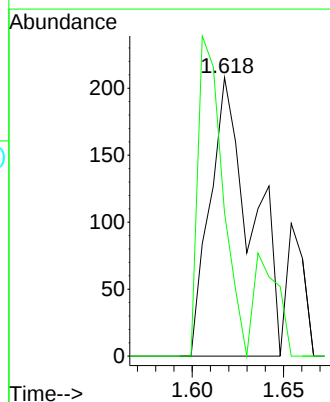
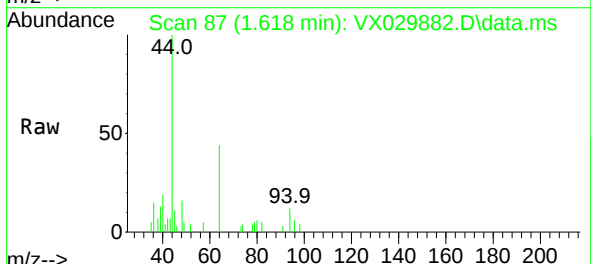
Instrument :
MSVOA_X
ClientSampleId :
MW-11

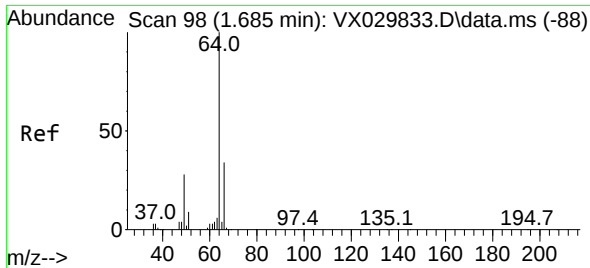
Tgt Ion:168 Resp: 233188
Ion Ratio Lower Upper
168 100
99 52.2 44.0 66.0



#5
Bromomethane
Concen: 0.228 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

Tgt Ion: 94 Resp: 327
Ion Ratio Lower Upper
94 100
96 51.4 76.9 115.3#

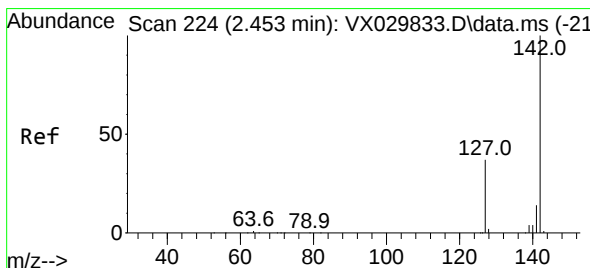
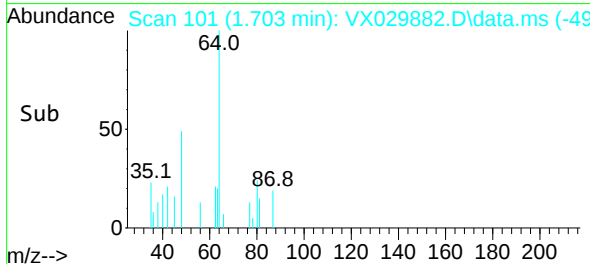
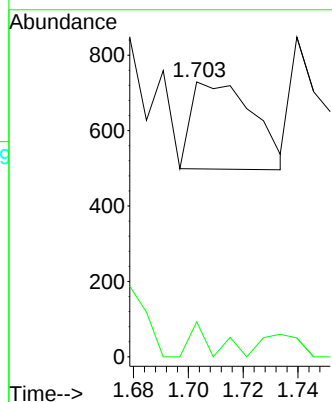
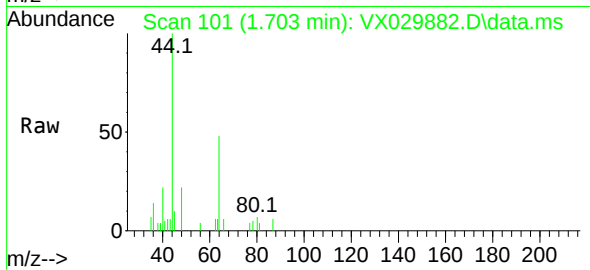




#6
Chloroethane
Concen: 1.222 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.018 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

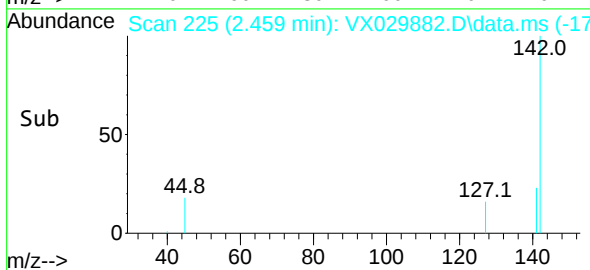
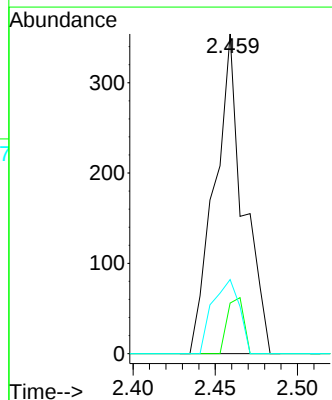
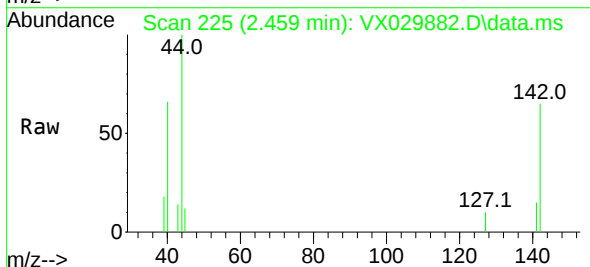
Instrument :
MSVOA_X
ClientSampleId :
MW-11

Tgt Ion: 64 Resp: 364
Ion Ratio Lower Upper
64 100
66 40.4 27.2 40.8



#10
Methyl Iodide
Concen: 2.002 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

Tgt Ion: 142 Resp: 430
Ion Ratio Lower Upper
142 100
127 10.0 30.2 45.2#
141 21.6 11.3 16.9#





#11

Tert butyl alcohol

Concen: 372.050 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.024 min

Lab File: VX029882.D

Acq: 30 Jun 2022 00:34

Instrument :

MSVOA_X

ClientSampleId :

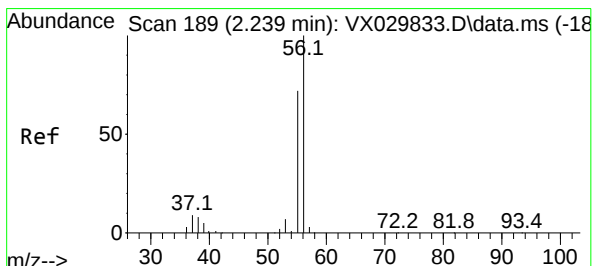
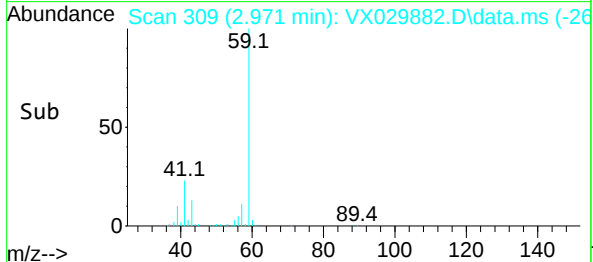
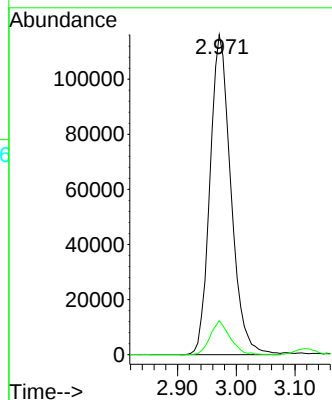
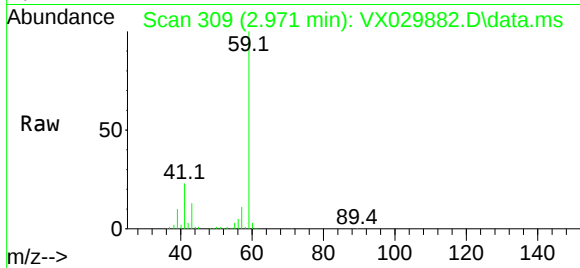
MW-11

Tgt Ion: 59 Resp: 287208

Ion Ratio Lower Upper

59 100

57 10.1 7.4 11.2



#13

Acrolein

Concen: Below Cal

RT: 2.240 min Scan# 189

Delta R.T. 0.001 min

Lab File: VX029882.D

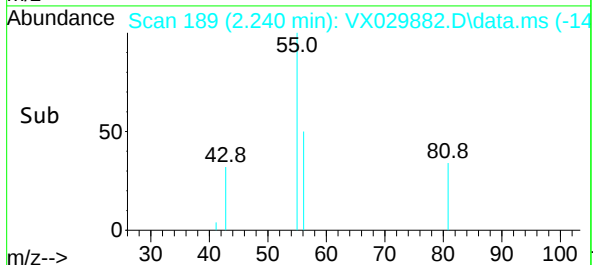
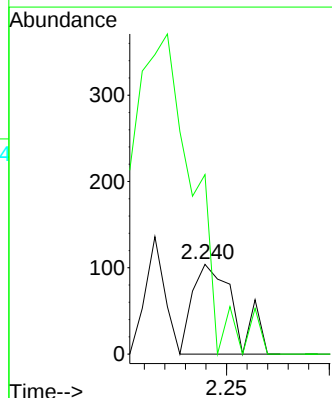
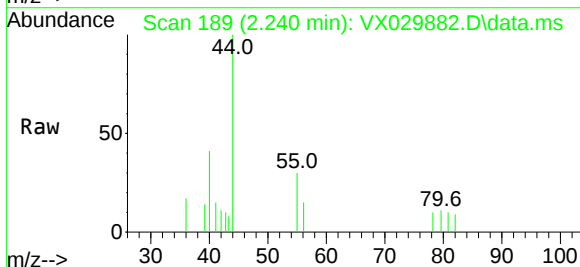
Acq: 30 Jun 2022 00:34

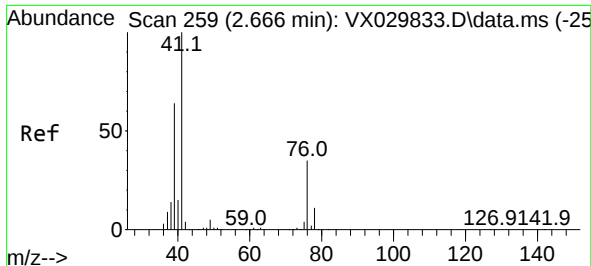
Tgt Ion: 56 Resp: 149

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#

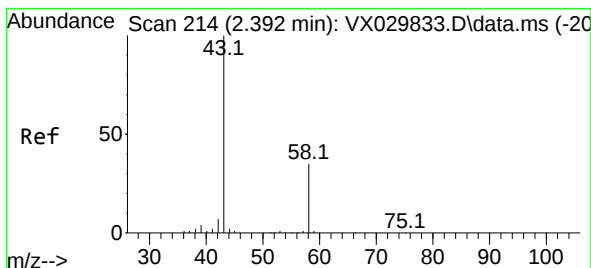
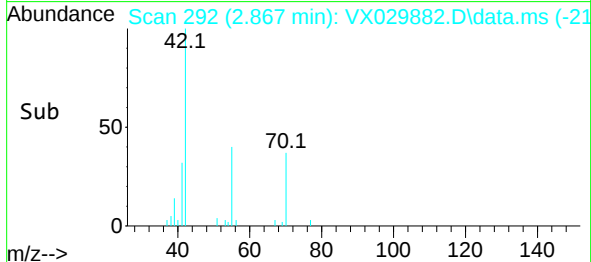
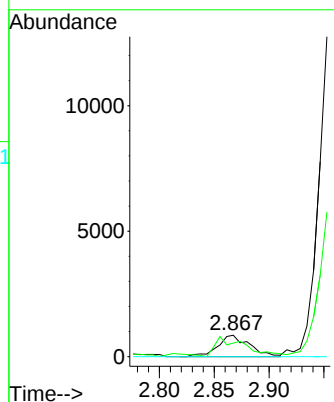
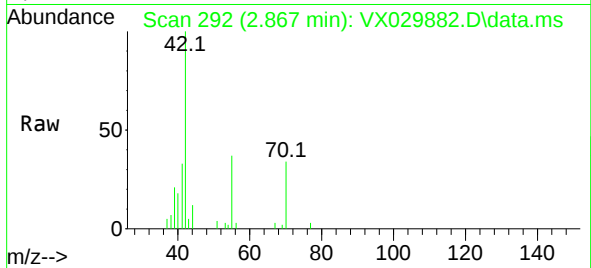




#14
 Allyl chloride
 Concen: 0.388 ug/l
 RT: 2.867 min Scan# 213
 Delta R.T. 0.201 min
 Lab File: VX029882.D
 Acq: 30 Jun 2022 00:34

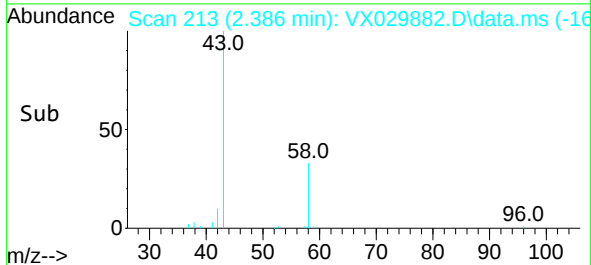
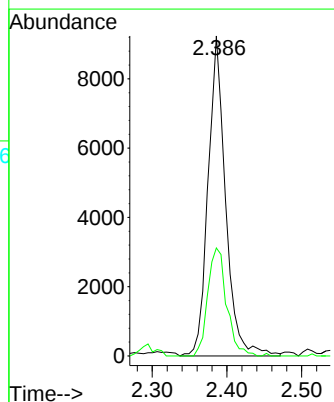
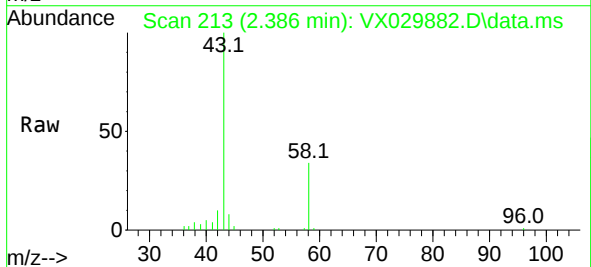
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

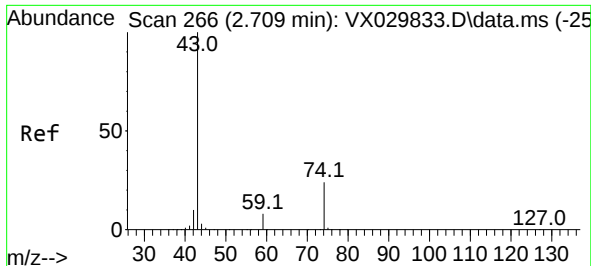
Tgt Ion: 41 Resp: 1719
 Ion Ratio Lower Upper
 41 100
 39 72.2 48.9 73.3
 76 0.0 26.9 40.3#



#16
 Acetone
 Concen: 10.432 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VX029882.D
 Acq: 30 Jun 2022 00:34

Tgt Ion: 43 Resp: 15065
 Ion Ratio Lower Upper
 43 100
 58 33.7 27.7 41.5





#18

Methyl Acetate

Concen: 0.243 ug/l

RT: 2.550 min Scan# 24

Delta R.T. -0.158 min

Lab File: VX029882.D

Acq: 30 Jun 2022 00:34

Instrument :

MSVOA_X

ClientSampleId :

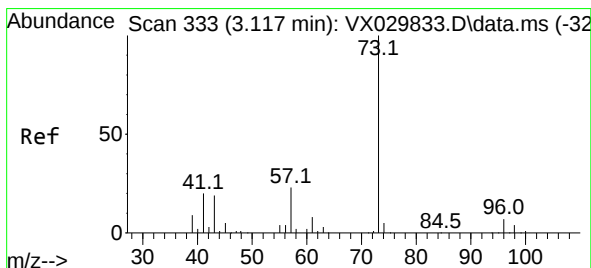
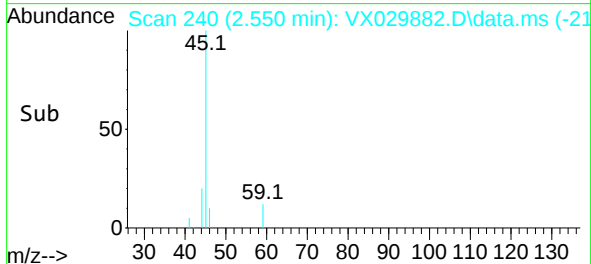
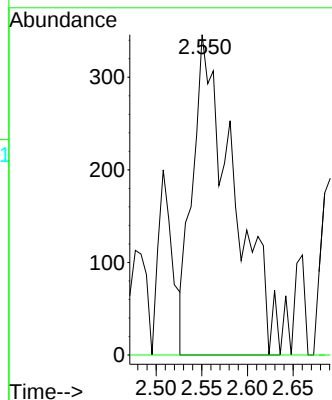
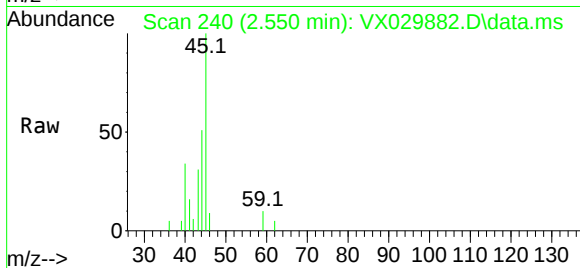
MW-11

Tgt Ion: 43 Resp: 1081

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#



#19

Methyl tert-butyl Ether

Concen: 2.826 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.000 min

Lab File: VX029882.D

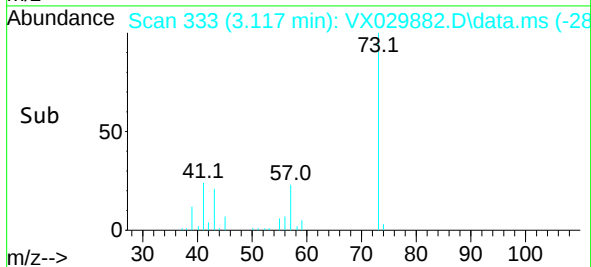
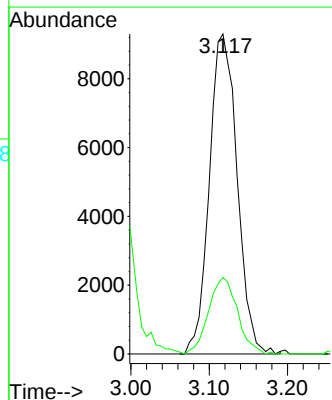
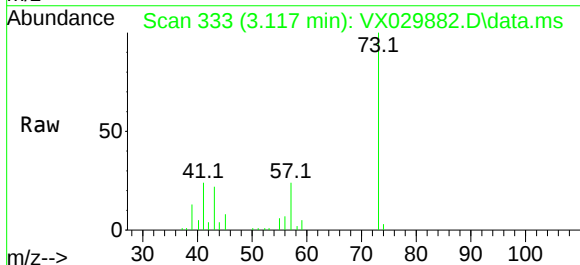
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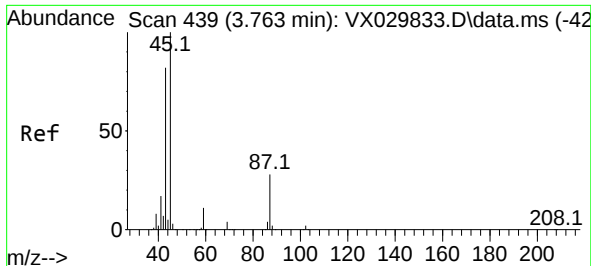
Tgt Ion: 73 Resp: 22917

Ion Ratio Lower Upper

73 100

57 23.9 19.0 28.6

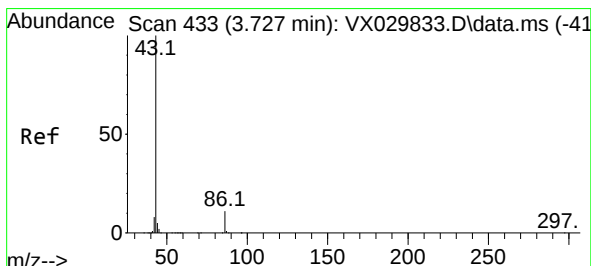
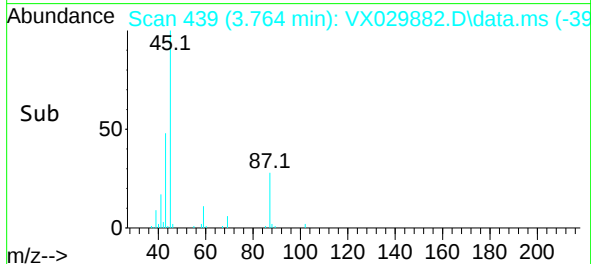
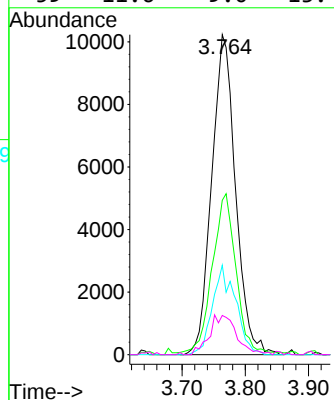
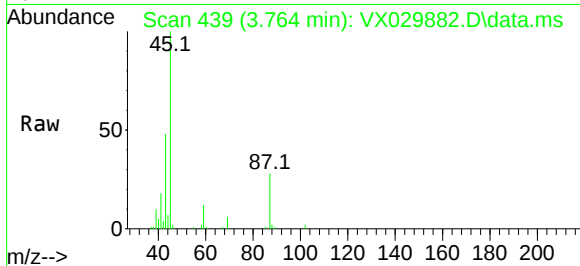




#22
Diisopropyl ether
Concen: 2.987 ug/l
RT: 3.764 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

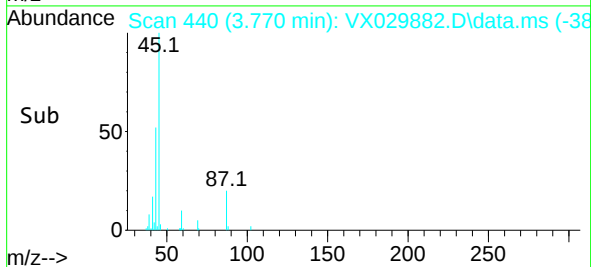
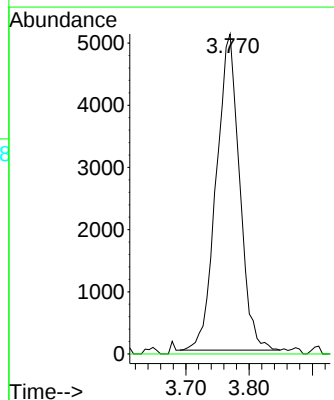
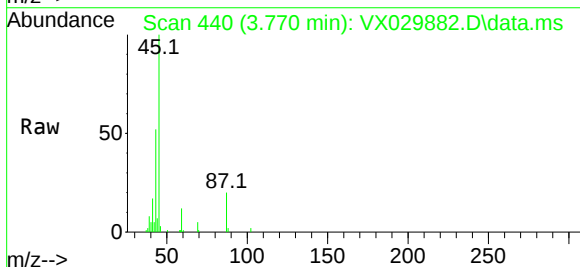
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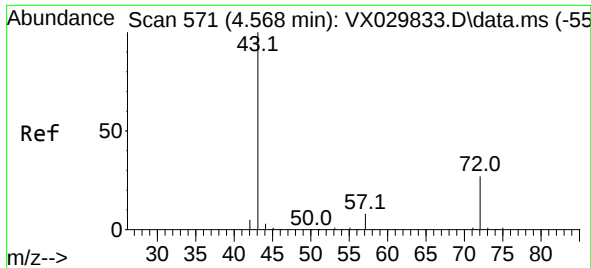
Tgt Ion:	45	Resp:	26756
Ion	Ratio	Lower	Upper
45	100		
43	47.5	65.4	98.0#
87	27.9	22.3	33.5
59	11.6	9.0	13.4



#23
Vinyl Acetate
Concen: 1.673 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.043 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

Tgt Ion:	43	Resp:	12957
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.5	12.7#

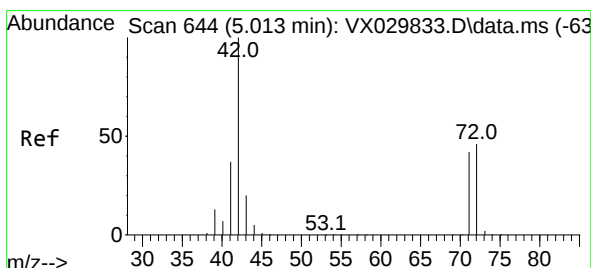
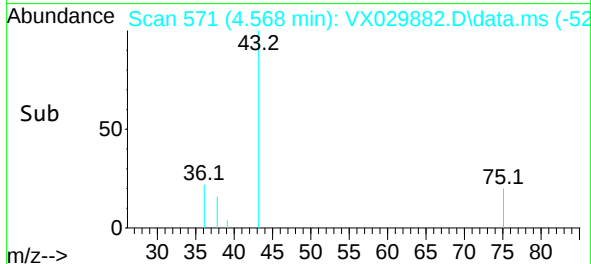
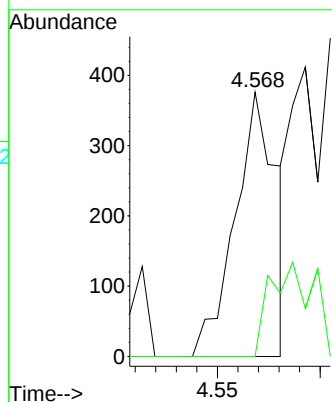
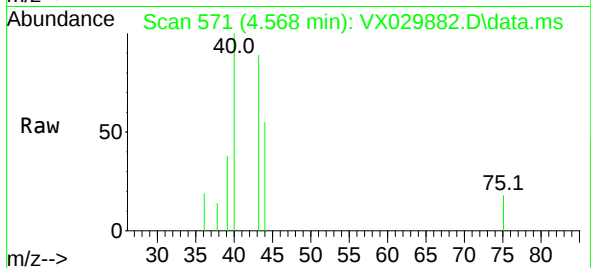




#25
2-Butanone
Concen: 0.210 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

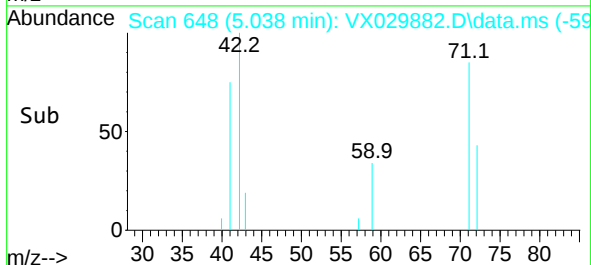
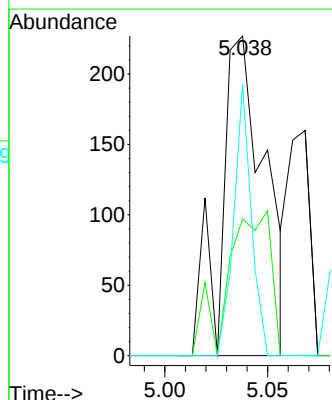
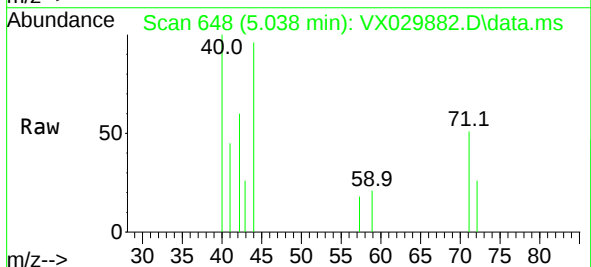
Instrument :
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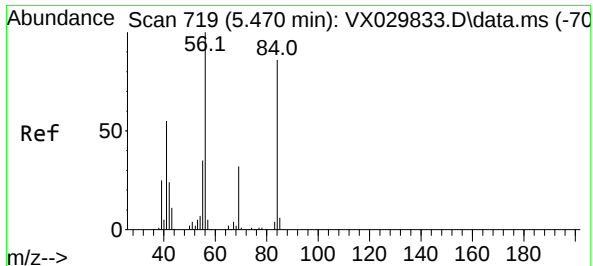
Tgt Ion: 43 Resp: 526
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.204 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.025 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

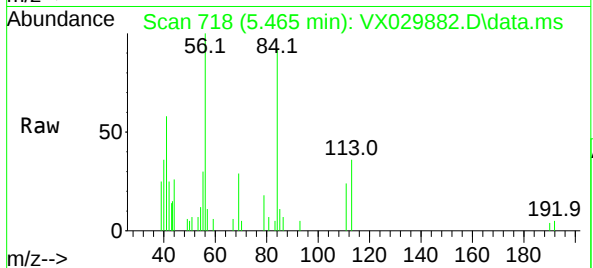
Tgt Ion: 42 Resp: 337
Ion Ratio Lower Upper
42 100
72 44.5 36.5 54.7
71 34.1 33.9 50.9



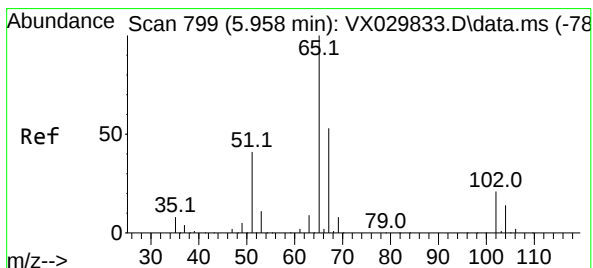
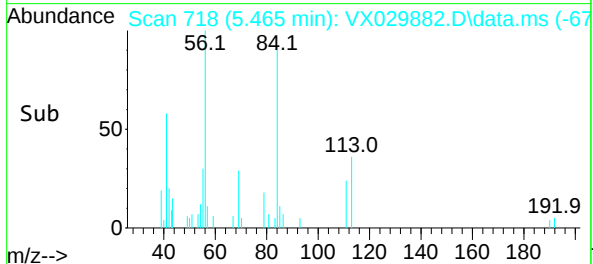
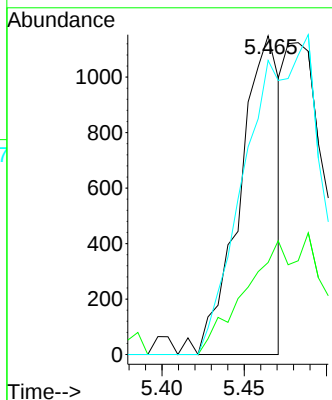


#31
Cyclohexane
Concen: 0.472 ug/l
RT: 5.465 min Scan# 719
Delta R.T. -0.006 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

Instrument :
MSVOA_X
ClientSampleId :
MW-11

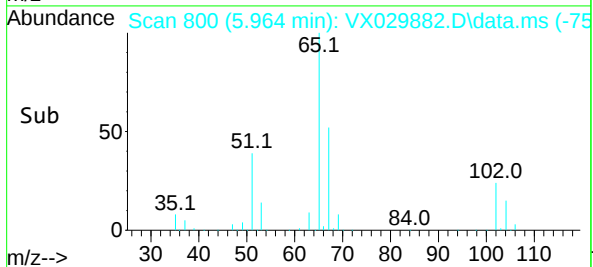
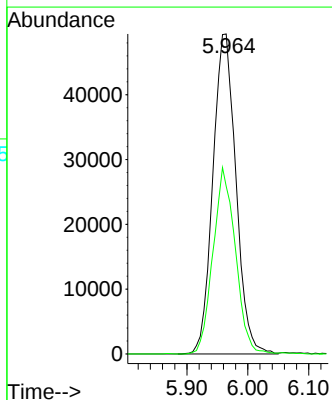
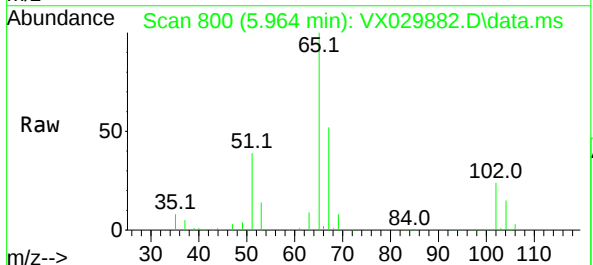


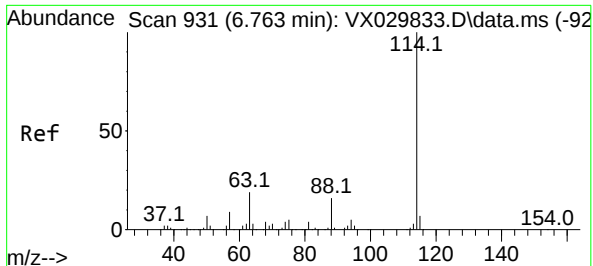
Tgt Ion: 56 Resp: 1941
Ion Ratio Lower Upper
56 100
69 28.9 25.4 38.0
84 92.3 68.9 103.3



#33
1,2-Dichloroethane-d4
Concen: 44.040 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

Tgt Ion: 65 Resp: 129996
Ion Ratio Lower Upper
65 100
67 56.4 0.0 109.6

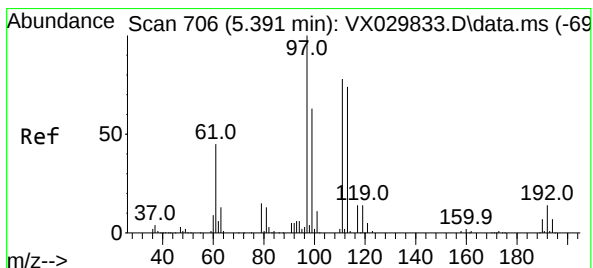
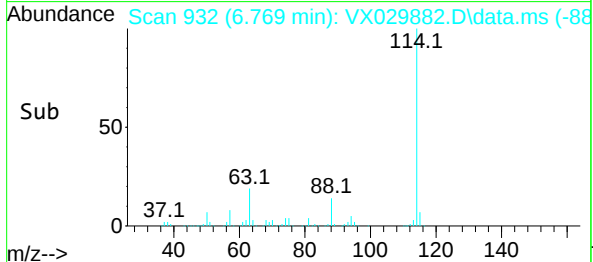
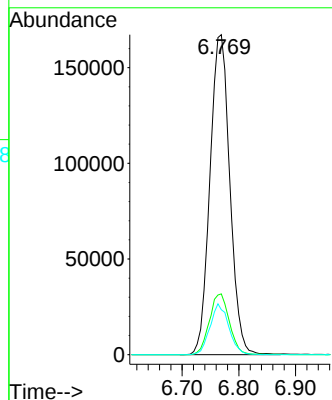
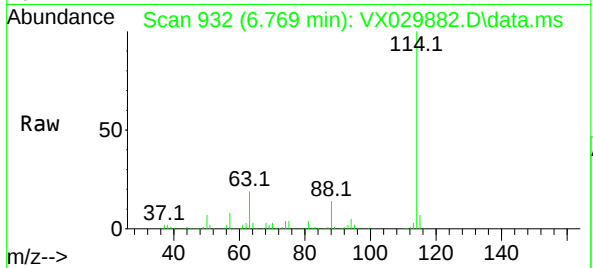




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

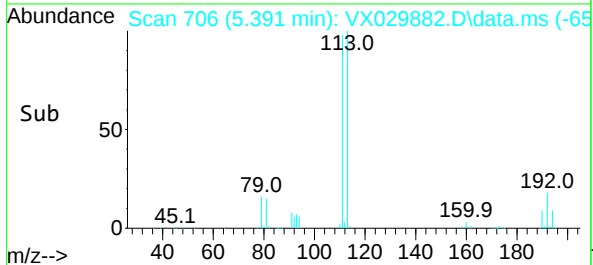
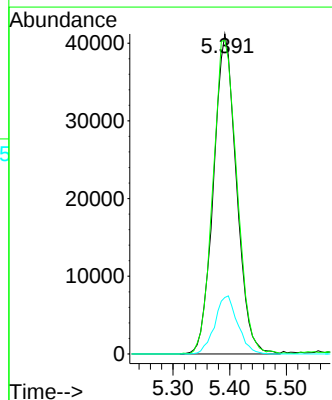
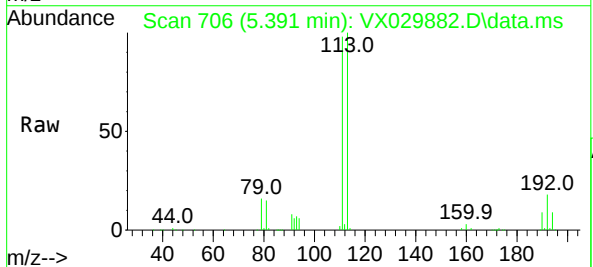
Instrument :
MSVOA_X
ClientSampleId :
MW-11

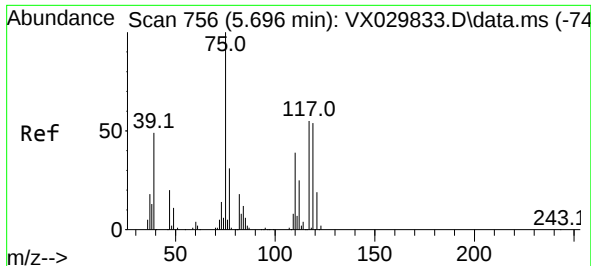
Tgt Ion:114 Resp: 406590
Ion Ratio Lower Upper
114 100
63 19.0 0.0 38.4
88 14.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.451 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

Tgt Ion:113 Resp: 115490
Ion Ratio Lower Upper
113 100
111 102.7 83.2 124.8
192 18.1 14.8 22.2

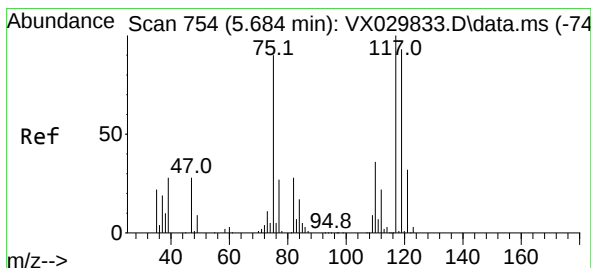
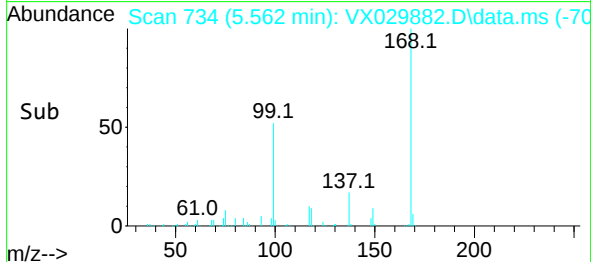
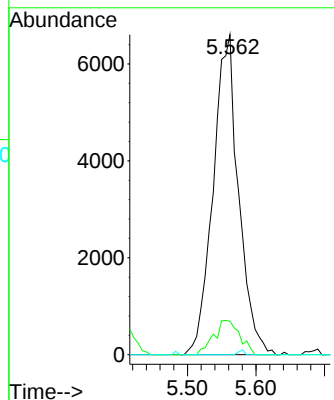
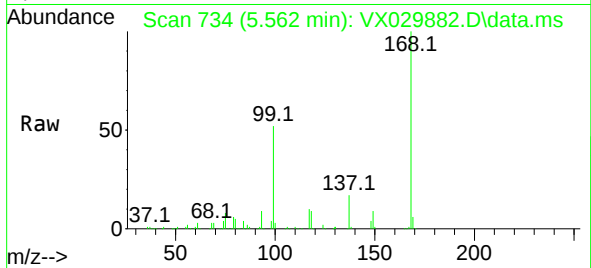




#36
1,1-Dichloropropene
Concen: 5.054 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

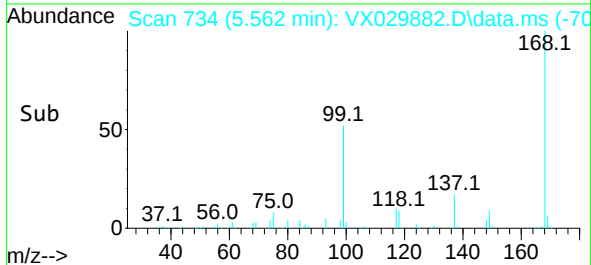
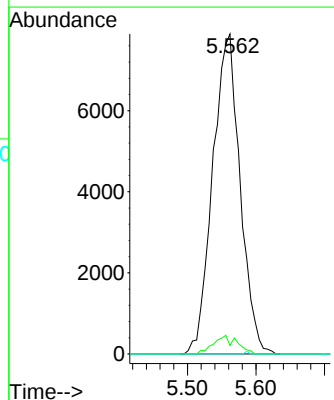
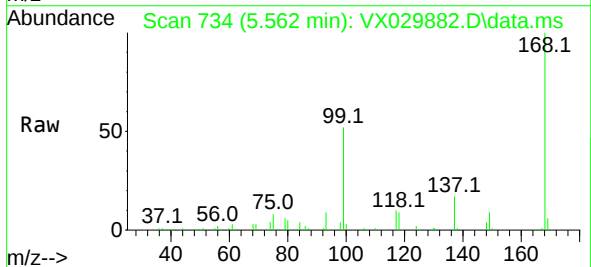
Instrument :
MSVOA_X
ClientSampleId :
MW-11

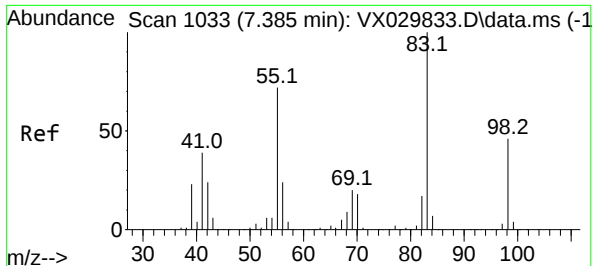
Tgt Ion: 75 Resp: 17081
Ion Ratio Lower Upper
75 100
110 10.9 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.481 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

Tgt Ion: 117 Resp: 21906
Ion Ratio Lower Upper
117 100
119 2.7 74.1 111.1#
121 0.0 25.8 38.8#

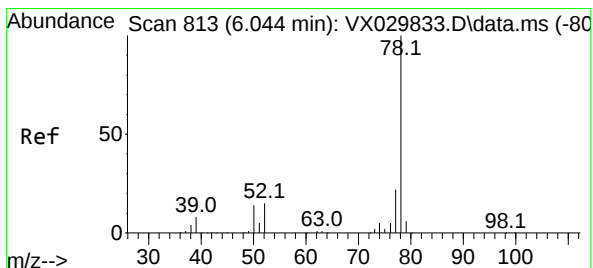
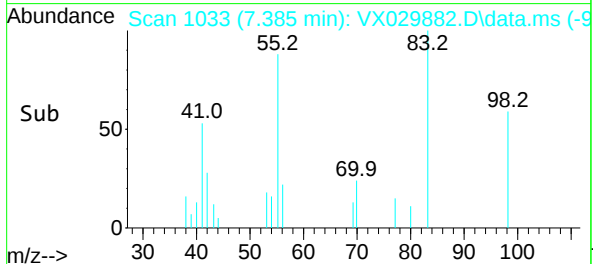
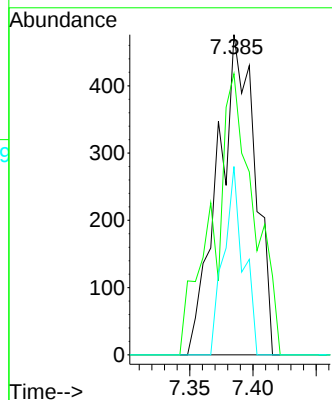
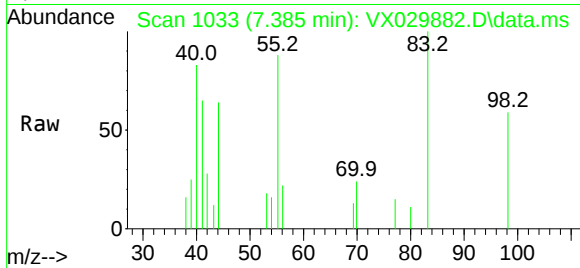




#39
Methylcyclohexane
Concen: 0.238 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

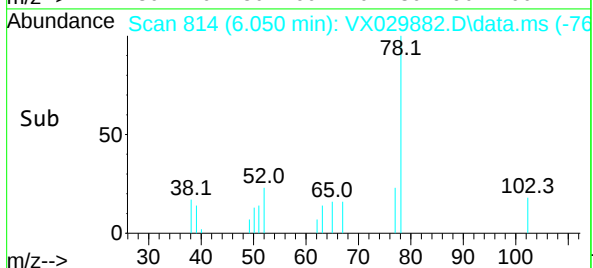
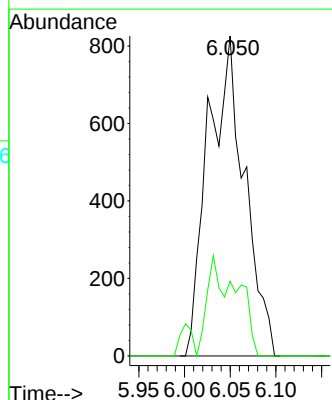
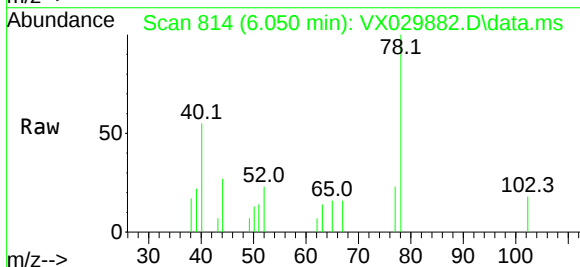
Instrument :
MSVOA_X
ClientSampleId :
MW-11

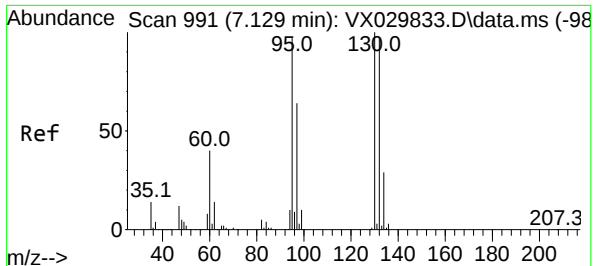
Tgt Ion: 83 Resp: 974
Ion Ratio Lower Upper
83 100
55 87.8 57.7 86.5#
98 58.8 36.5 54.7#



#40
Benzene
Concen: 0.209 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

Tgt Ion: 78 Resp: 2289
Ion Ratio Lower Upper
78 100
77 23.4 18.0 27.0

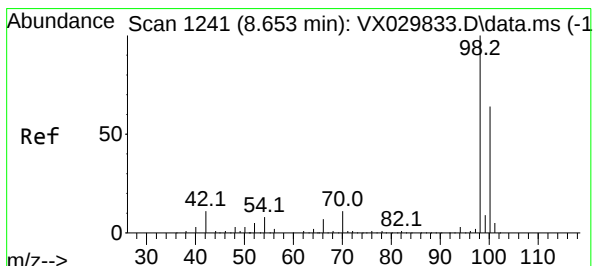
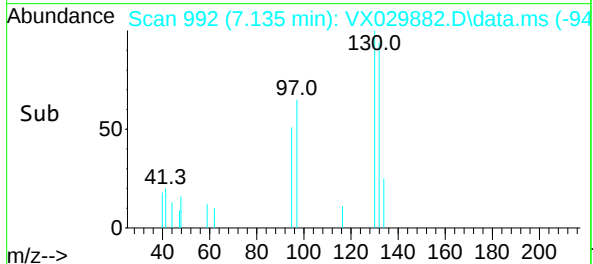
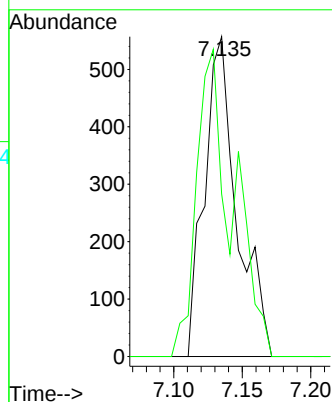
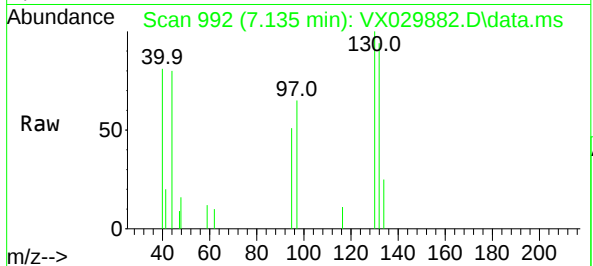




#44
Trichloroethene
Concen: 0.312 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

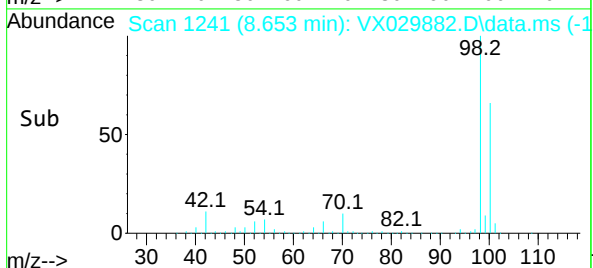
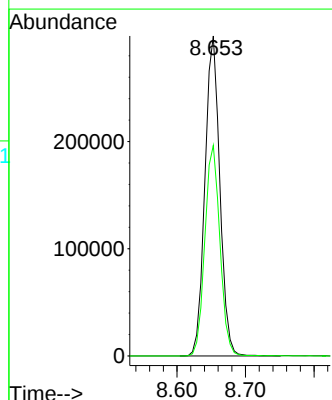
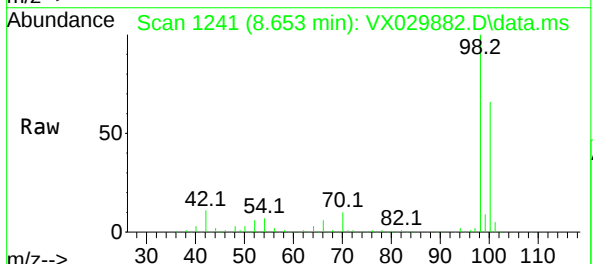
Instrument :
MSVOA_X
ClientSampleId :
MW-11

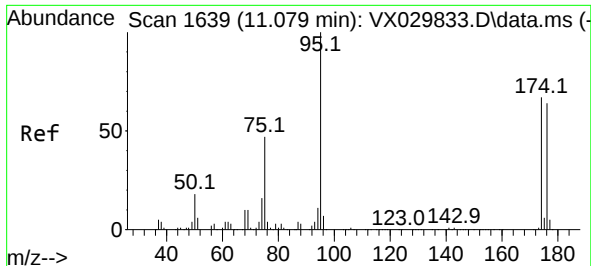
Tgt Ion:130 Resp: 918
Ion Ratio Lower Upper
130 100
95 50.8 0.0 194.8



#50
Toluene-d8
Concen: 47.431 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

Tgt Ion: 98 Resp: 452135
Ion Ratio Lower Upper
98 100
100 66.6 52.3 78.5

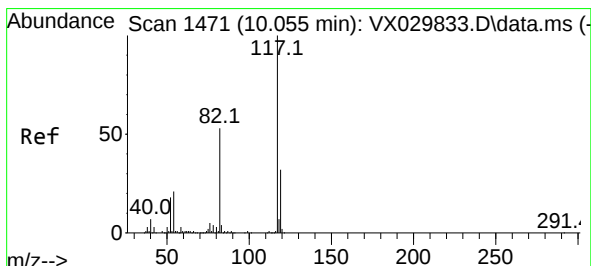
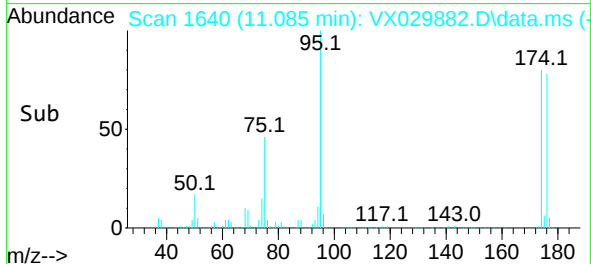
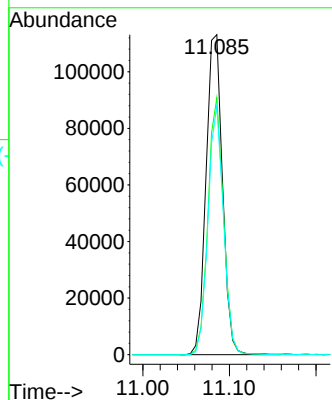
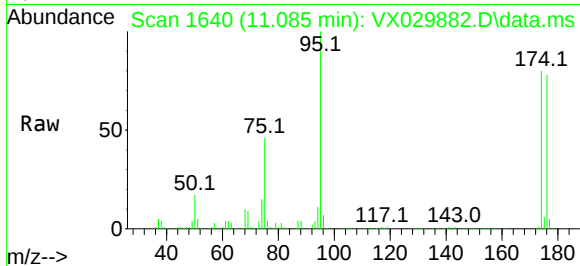




#62
4-Bromofluorobenzene
Concen: 44.254 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

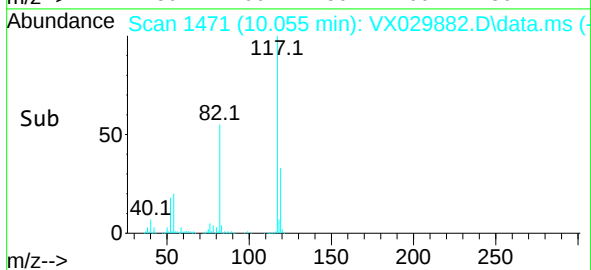
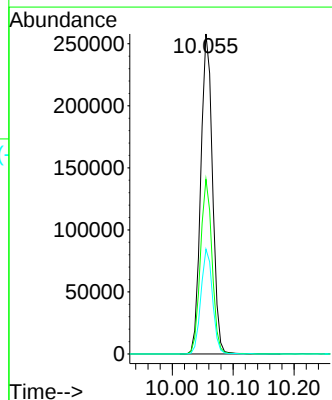
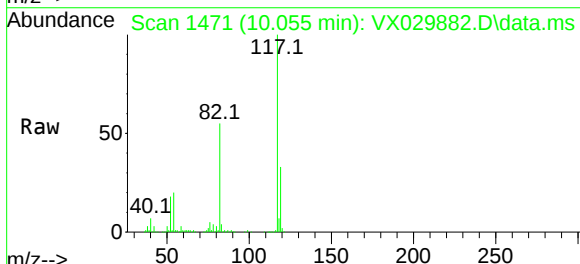
Instrument :
MSVOA_X
ClientSampleId :
MW-11

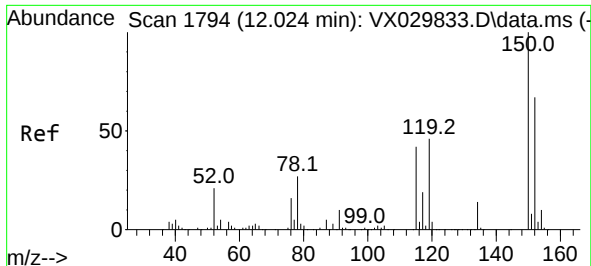
Tgt Ion: 95 Resp: 149118
Ion Ratio Lower Upper
95 100
174 76.1 0.0 149.0
176 72.9 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

Tgt Ion: 117 Resp: 344642
Ion Ratio Lower Upper
117 100
82 54.6 42.7 64.1
119 32.8 25.4 38.2

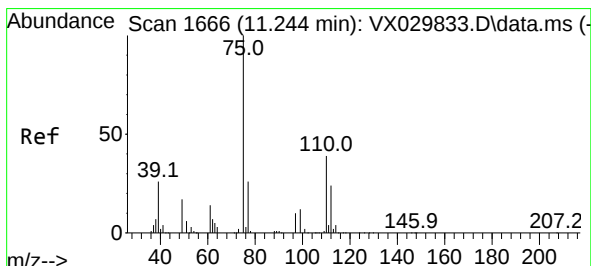
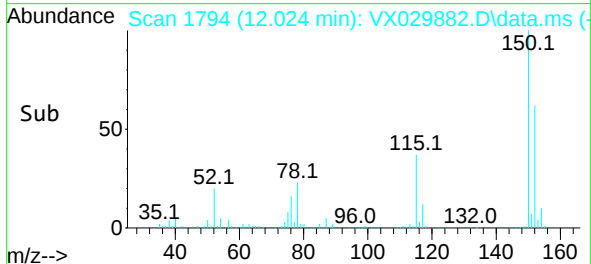
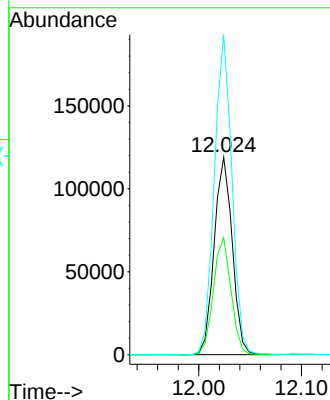
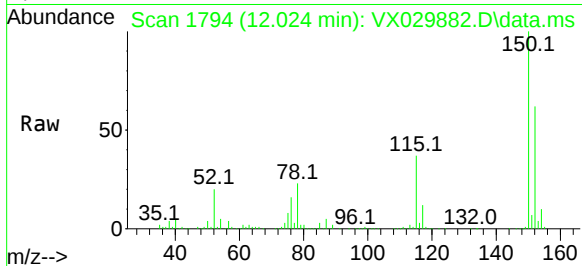




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029882.D
 Acq: 30 Jun 2022 00:34

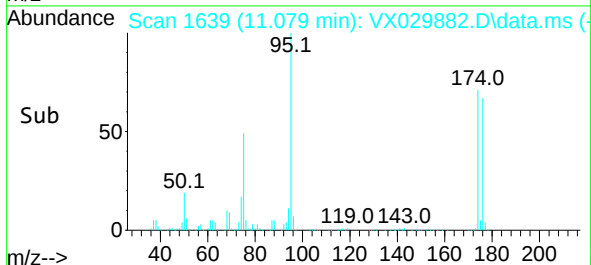
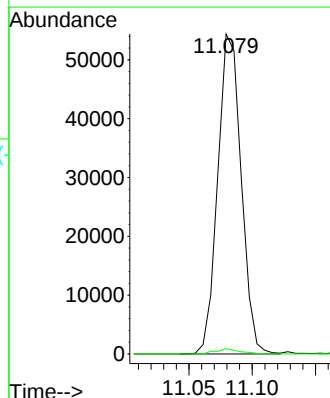
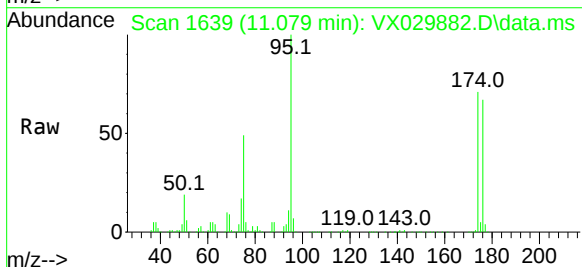
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

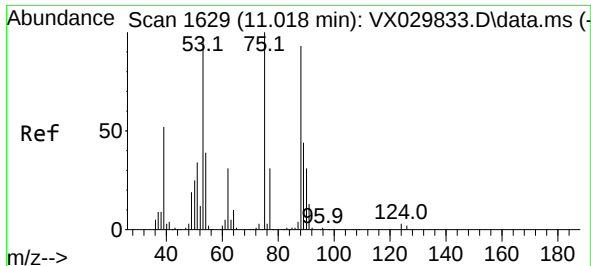
Tgt Ion:152 Resp: 145613
 Ion Ratio Lower Upper
 152 100
 115 57.9 40.5 121.5
 150 157.6 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 20.082 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX029882.D
 Acq: 30 Jun 2022 00:34

Tgt Ion: 75 Resp: 70002
 Ion Ratio Lower Upper
 75 100
 77 1.6 19.8 59.3#

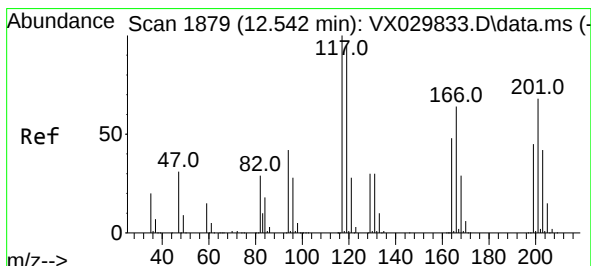
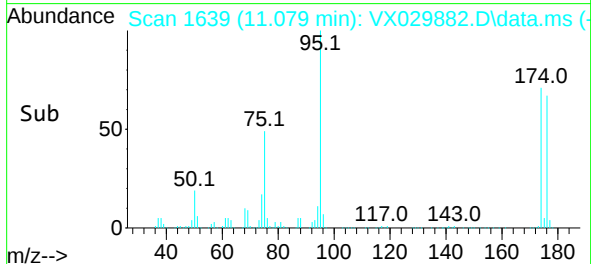
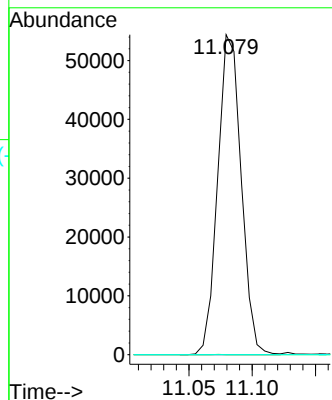
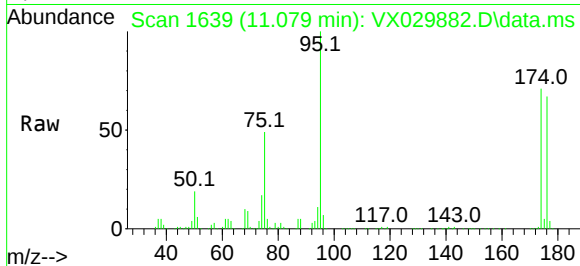




#81
trans-1,4-Dichloro-2-butene
Concen: 63.776 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

Instrument :
MSVOA_X
ClientSampleId :
MW-11

Tgt Ion: 75 Resp: 70002
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#



#90
Hexachloroethane
Concen: 0.590 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX029882.D
Acq: 30 Jun 2022 00:34

Tgt Ion: 117 Resp: 839
Ion Ratio Lower Upper
117 100
201 0.0 34.2 102.5#

