

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021122\
 Data File : VX026974.D
 Acq On : 11 Feb 2022 18:01
 Operator : JC/MD
 Sample : N1467-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-30S

Quant Time: Feb 12 04:32:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

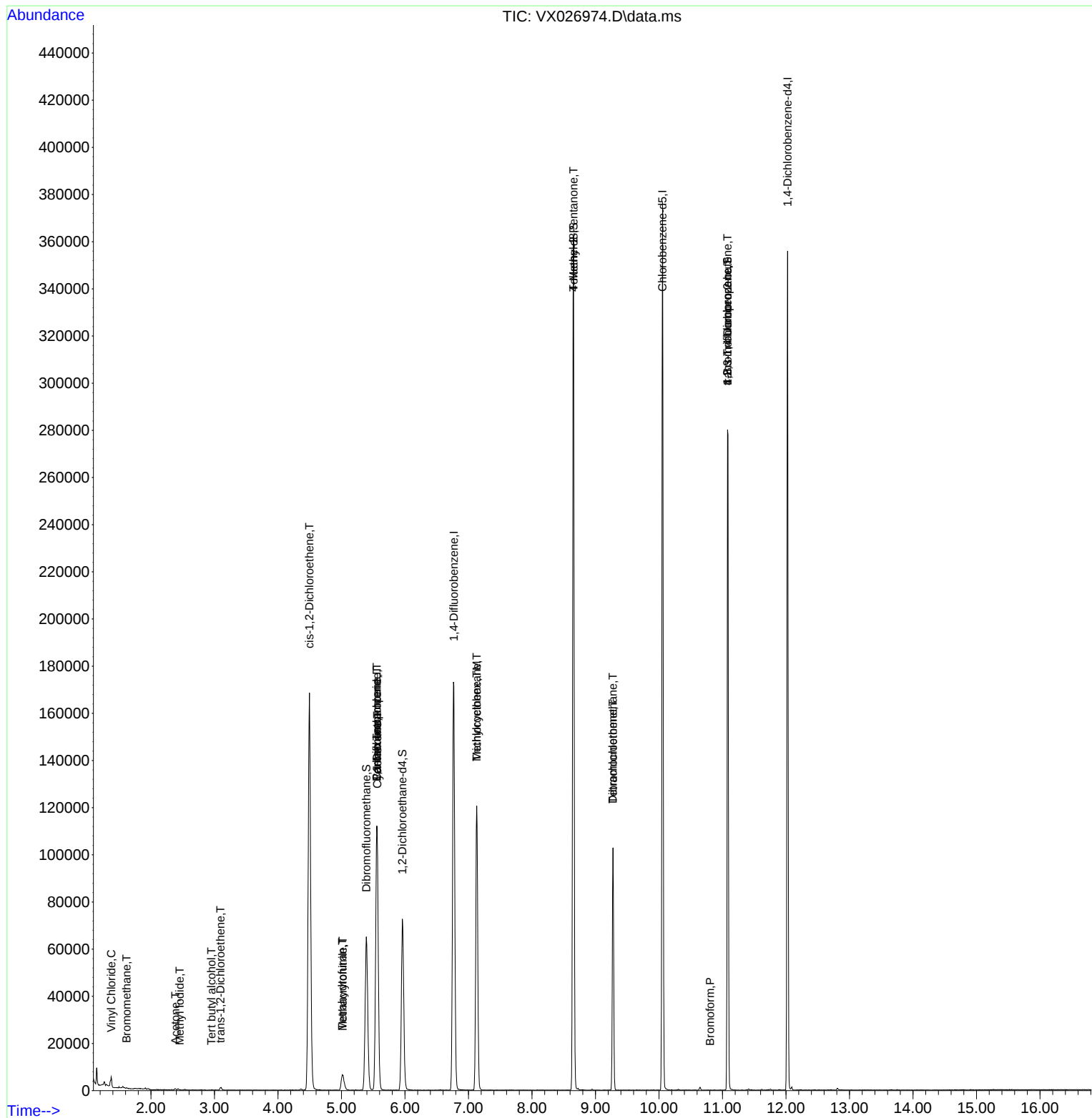
Internal Standards						
1) Pentafluorobenzene	5.556	168	106363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	178174	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	166580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68869	53.940	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.880%			
35) Dibromofluoromethane	5.391	113	56352	53.086	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.180%			
50) Toluene-d8	8.653	98	210561	54.038	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.080%			
62) 4-Bromofluorobenzene	11.079	95	79014	57.597	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.200%			
Target Compounds					Qvalue	
4) Vinyl Chloride	1.374	62	1874	1.664	ug/l	97
5) Bromomethane	1.618	94	127	0.266	ug/l	99
6) Chloroethane	1.685	64	20	Below Cal	#	43
10) Methyl Iodide	2.453	142	60	2.292	ug/l #	37
11) Tert butyl alcohol	2.953	59	86	0.373	ug/l #	75
16) Acetone	2.386	43	693	1.236	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	462	0.403	ug/l	91
27) cis-1,2-Dichloroethene	4.495	96	104787	79.676	ug/l	88
29) Tetrahydrofuran	5.013	42	6883	11.206	ug/l	98
31) Cyclohexane	5.562	56	2051	1.011	ug/l #	10
36) 1,1-Dichloropropene	5.556	75	8322	4.969	ug/l #	51
38) Carbon Tetrachloride	5.556	117	10803	6.152	ug/l #	18
39) Methylcyclohexane	7.129	83	532	0.259	ug/l #	1
41) Methacrylonitrile	5.019	41	4031	3.908	ug/l #	45
44) Trichloroethene	7.129	130	47344	32.307	ug/l	96
51) 4-Methyl-2-Pentanone	8.653	43	935	0.527	ug/l #	1
60) Dibromochloromethane	9.275	129	18678	15.517	ug/l #	11
64) Tetrachloroethene	9.275	164	19587	11.707	ug/l	97
71) Bromoform	10.805	173	60	1.918	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	39759	25.584	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	39759	77.957	ug/l #	3

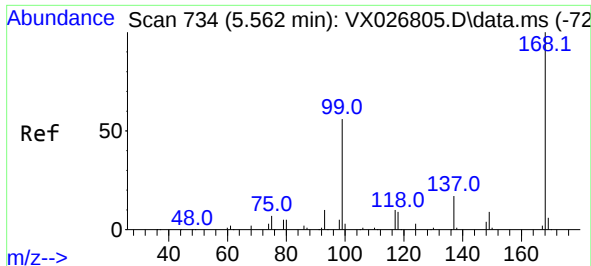
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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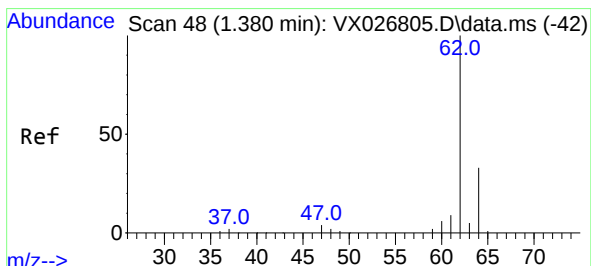
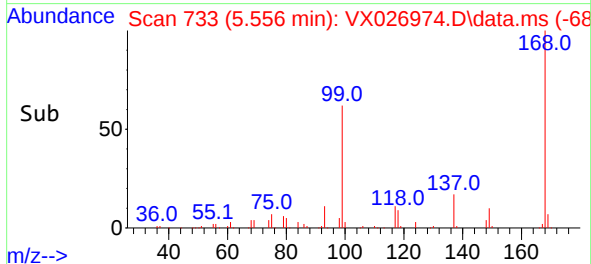
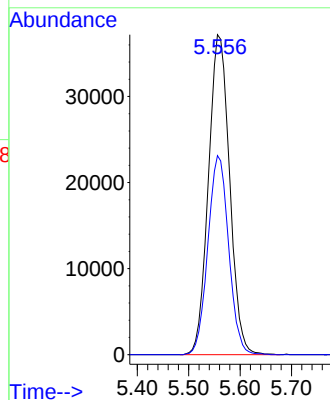
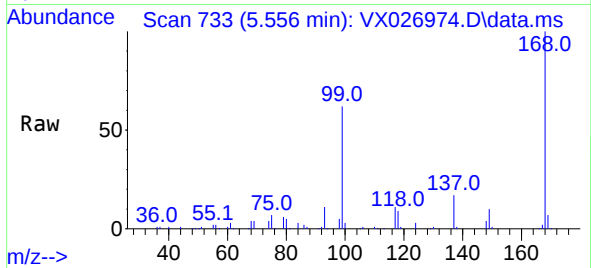




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

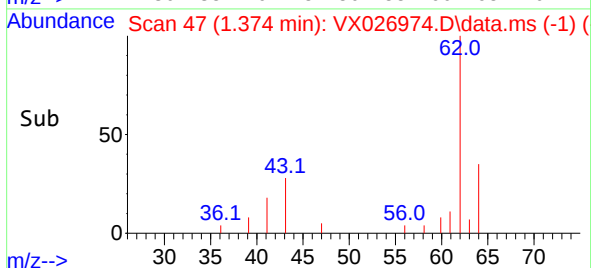
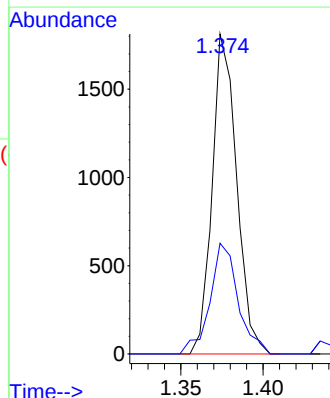
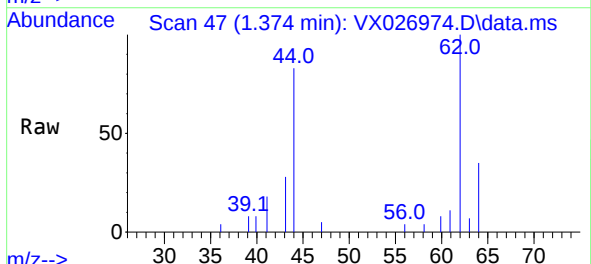
Instrument :
MSVOA_X
ClientSampleId :
MW-30S

Tgt Ion:168 Resp: 106363
Ion Ratio Lower Upper
168 100
99 62.2 50.3 75.5

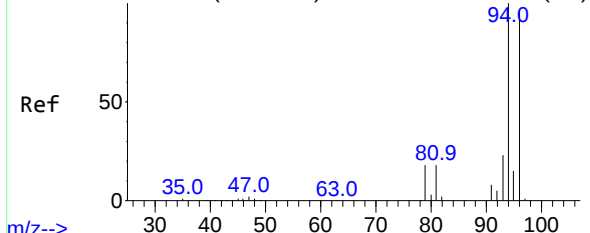


#4
Vinyl Chloride
Concen: 1.664 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.006 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

Tgt Ion: 62 Resp: 1874
Ion Ratio Lower Upper
62 100
64 34.6 26.2 39.2



Abundance Scan 86 (1.611 min): VX026805.D\data.ms (-81)



#5

Bromomethane

Concen: 0.266 ug/l

RT: 1.618 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX026974.D

Acq: 11 Feb 2022 18:01

Instrument :

MSVOA_X

ClientSampleId :

MW-30S

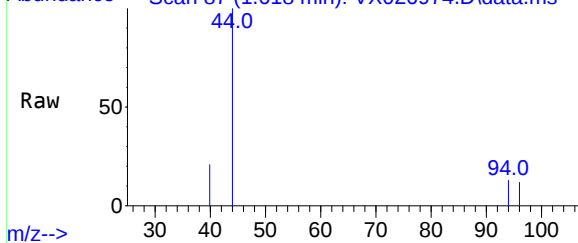
Tgt Ion: 94 Resp: 127

Ion Ratio Lower Upper

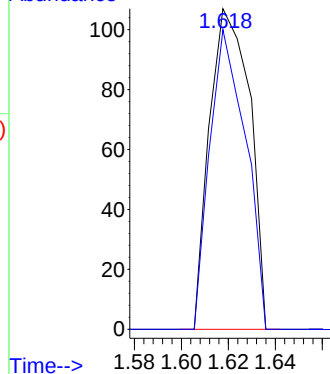
94 100

96 93.5 75.9 113.9

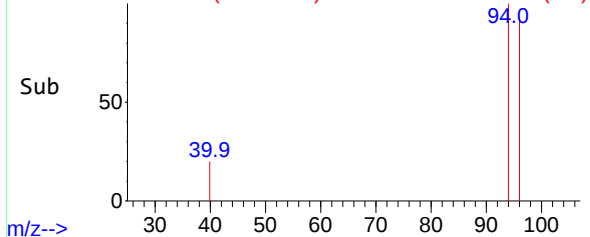
Abundance Scan 87 (1.618 min): VX026974.D\data.ms



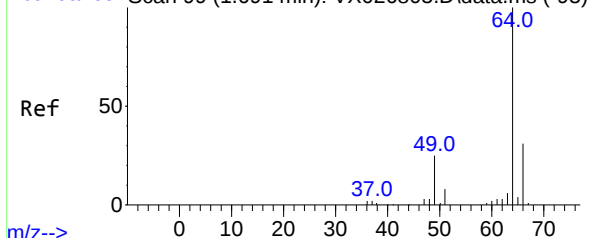
Abundance



Abundance Scan 87 (1.618 min): VX026974.D\data.ms (-37)



Abundance Scan 99 (1.691 min): VX026805.D\data.ms (-93)



#6

Chloroethane

Concen: Below Cal

RT: 1.685 min Scan# 98

Delta R.T. -0.006 min

Lab File: VX026974.D

Acq: 11 Feb 2022 18:01

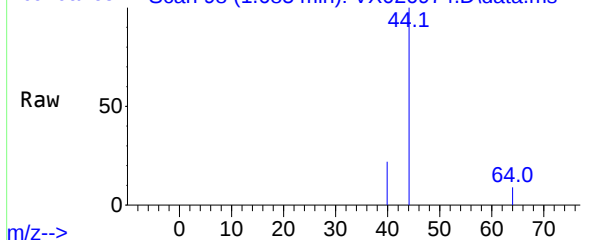
Tgt Ion: 64 Resp: 20

Ion Ratio Lower Upper

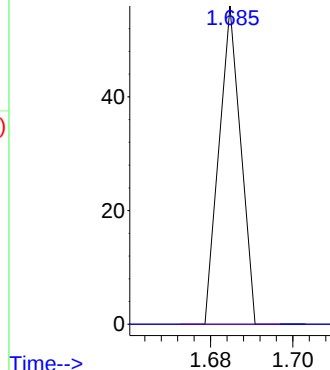
64 100

66 0.0 25.4 38.2#

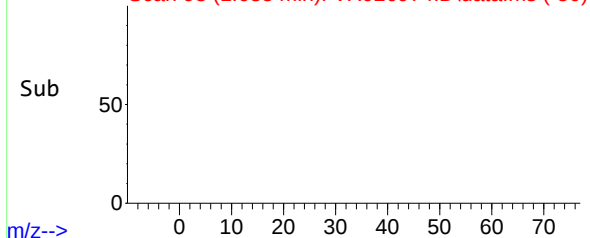
Abundance Scan 98 (1.685 min): VX026974.D\data.ms

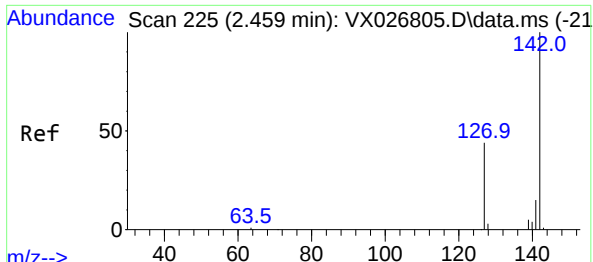


Abundance



Abundance Scan 98 (1.685 min): VX026974.D\data.ms (-50)

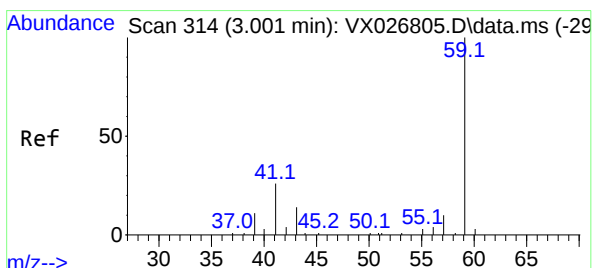
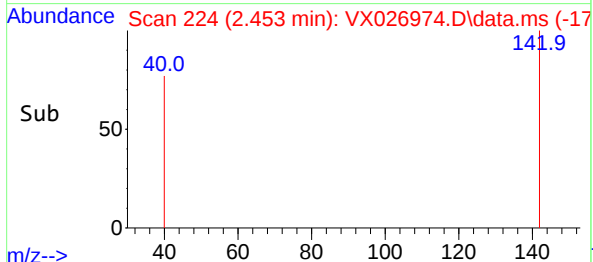
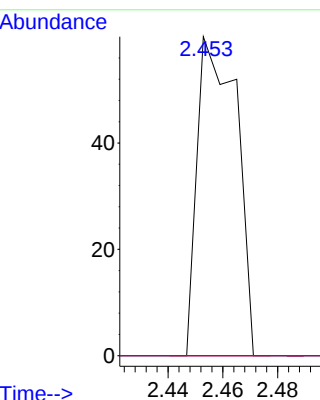
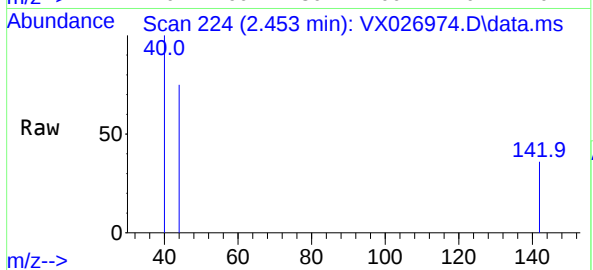




#10
Methyl Iodide
Concen: 2.292 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

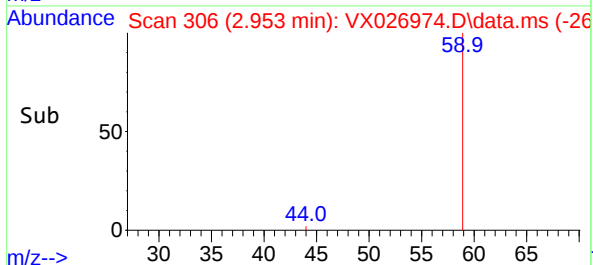
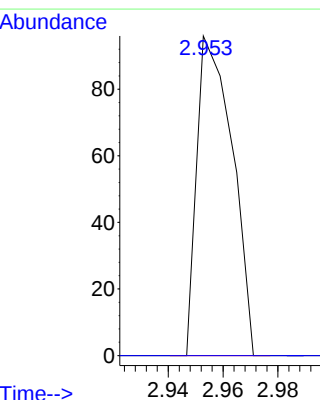
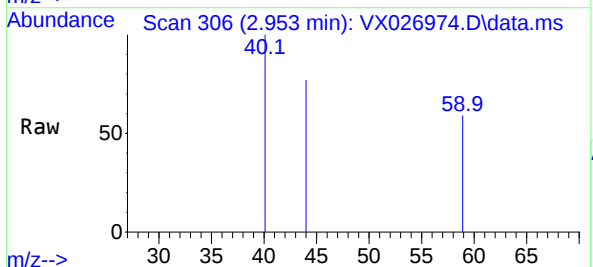
Instrument :
MSVOA_X
ClientSampleId :
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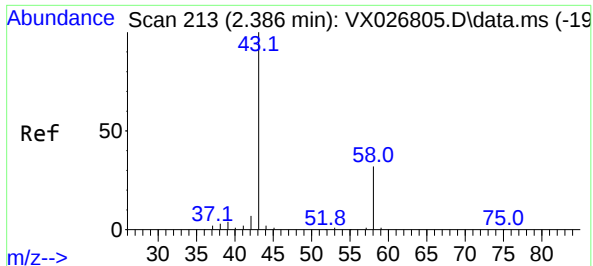
Tgt Ion:142 Resp: 60
Ion Ratio Lower Upper
142 100
127 0.0 38.1 57.1#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.373 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.048 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

Tgt Ion: 59 Resp: 86
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

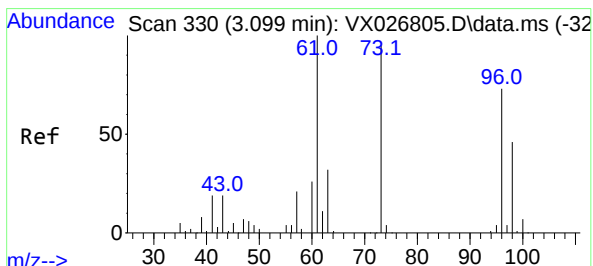
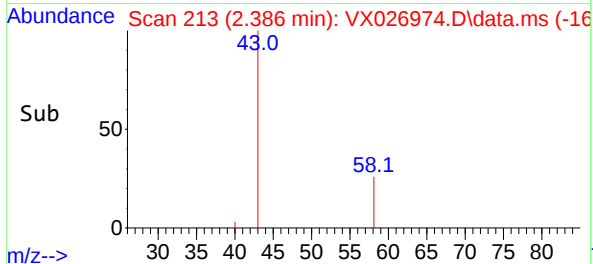
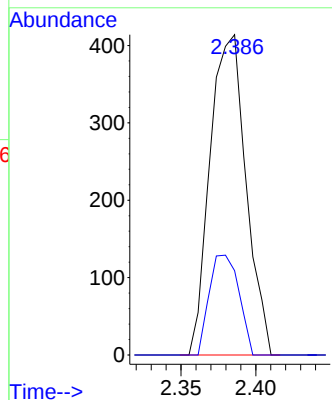
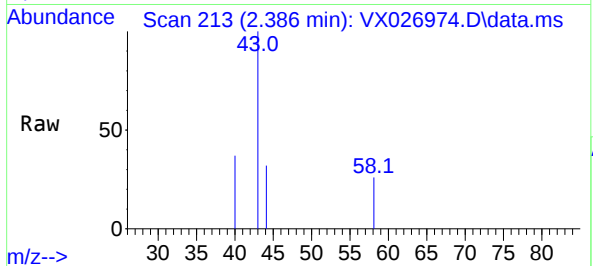




#16
Acetone
Concen: 1.236 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

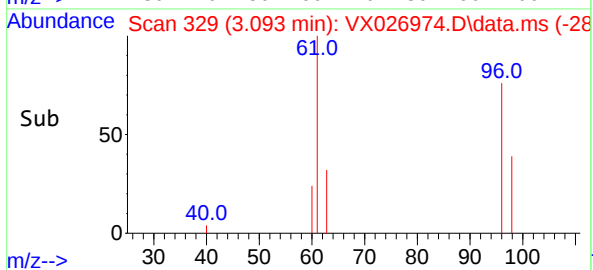
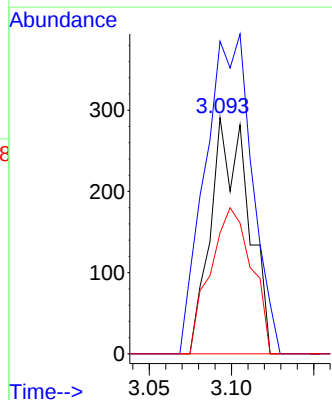
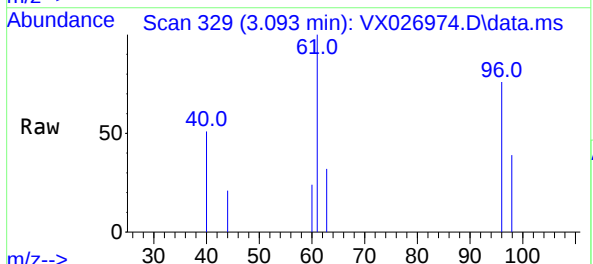
Instrument :
MSVOA_X
ClientSampleId :
MW-30S

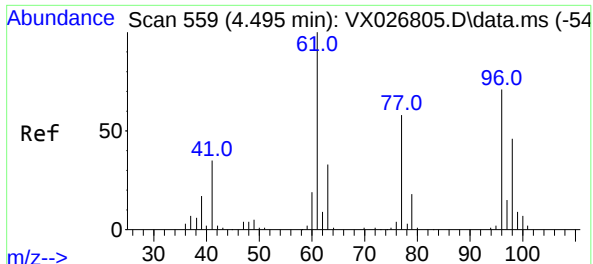
Tgt Ion: 43 Resp: 693
Ion Ratio Lower Upper
43 100
58 26.3 23.0 34.6



#21
trans-1,2-Dichloroethene
Concen: 0.403 ug/l
RT: 3.093 min Scan# 329
Delta R.T. -0.006 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

Tgt Ion: 96 Resp: 462
Ion Ratio Lower Upper
96 100
61 132.3 112.9 169.3
98 51.2 49.5 74.3



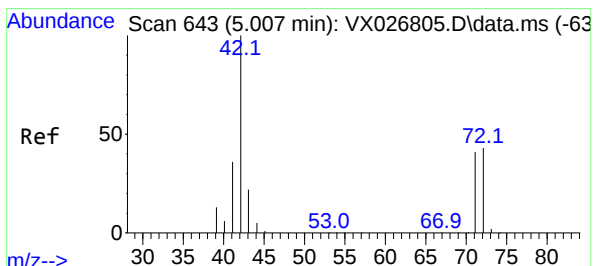
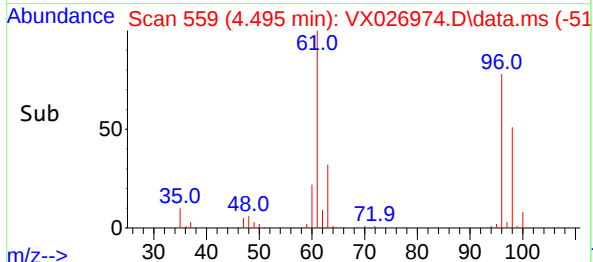
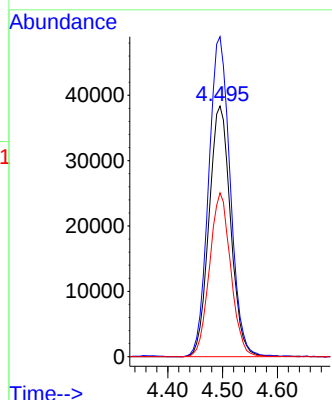
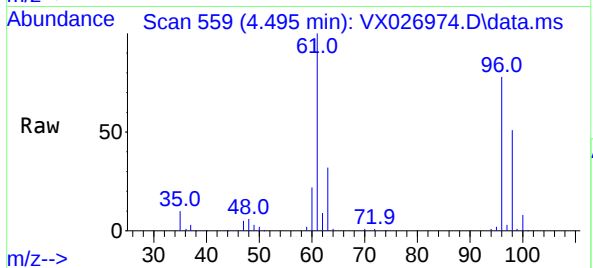


#27
cis-1,2-Dichloroethene
Concen: 79.676 ug/l
RT: 4.495 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

Instrument :
MSVOA_X
ClientSampleId :
MW-30S

Tgt Ion: 96 Resp: 104787

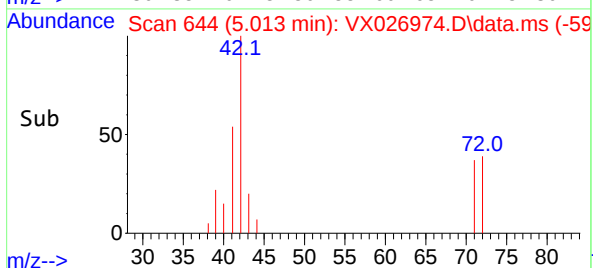
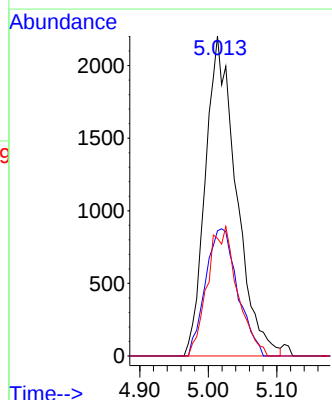
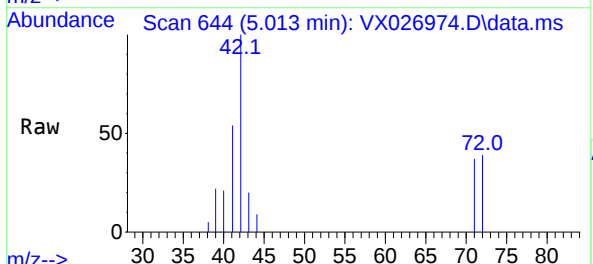
Ion	Ratio	Lower	Upper
96	100		
61	127.5	0.0	296.6
98	64.2	0.0	128.8

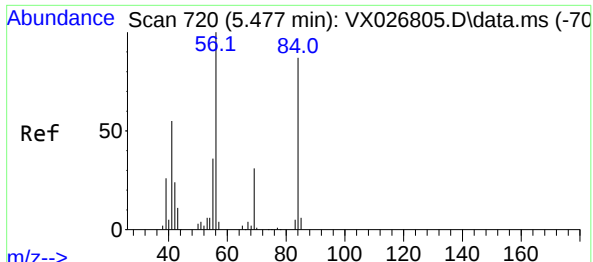


#29
Tetrahydrofuran
Concen: 11.206 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.006 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

Tgt Ion: 42 Resp: 6883

Ion	Ratio	Lower	Upper
42	100		
72	41.4	34.6	52.0
71	39.3	31.8	47.8

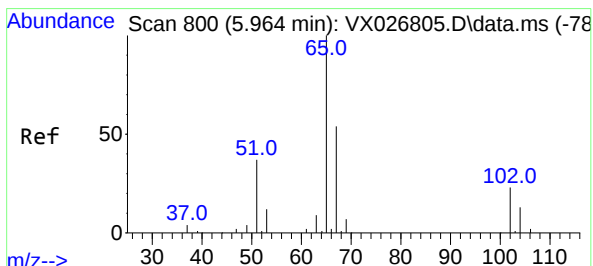
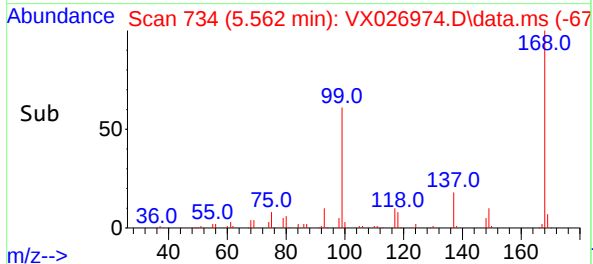
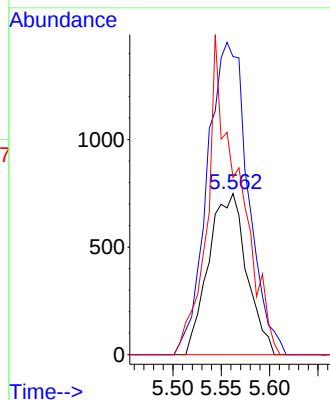
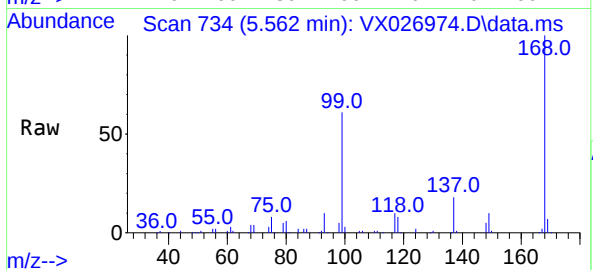




#31
Cyclohexane
Concen: 1.011 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

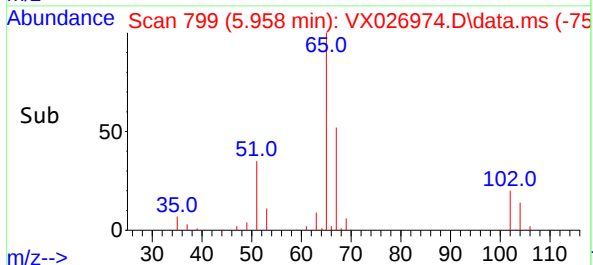
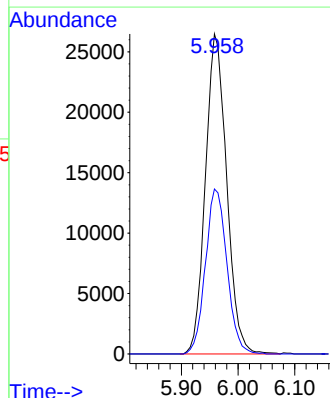
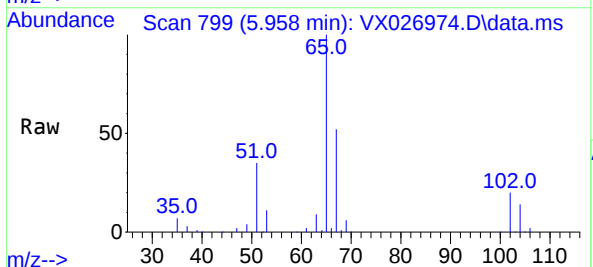
Instrument :
MSVOA_X
ClientSampleId :
MW-30S

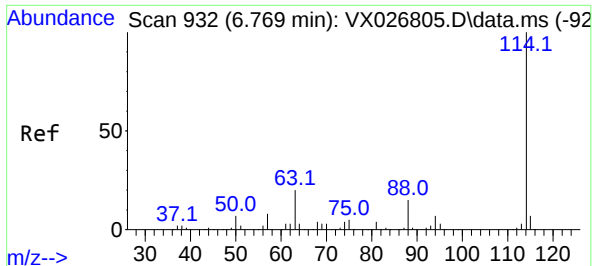
Tgt Ion: 56 Resp: 2051
Ion Ratio Lower Upper
56 100
69 177.8 25.8 38.6#
84 110.0 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 53.940 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

Tgt Ion: 65 Resp: 68869
Ion Ratio Lower Upper
65 100
67 52.2 0.0 100.8

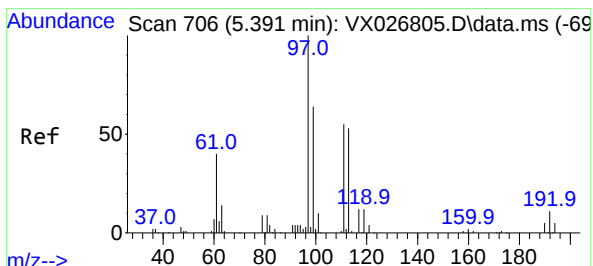
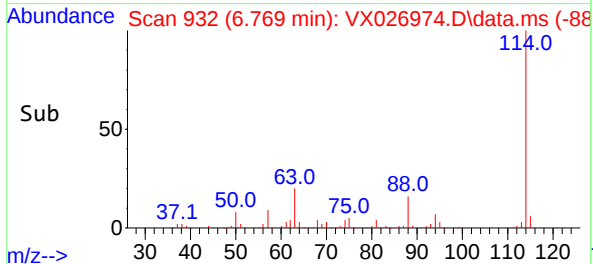
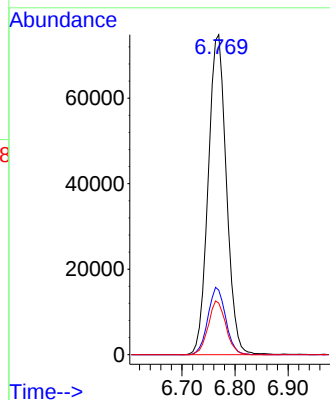
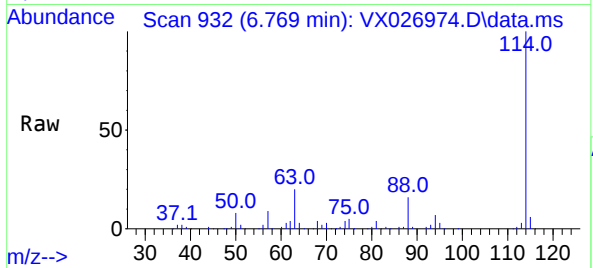




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

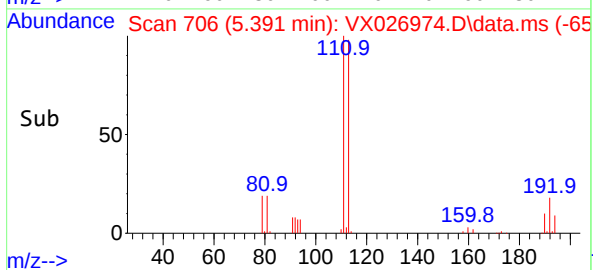
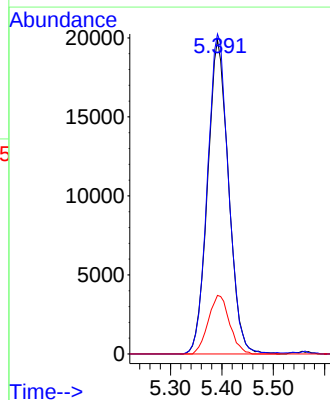
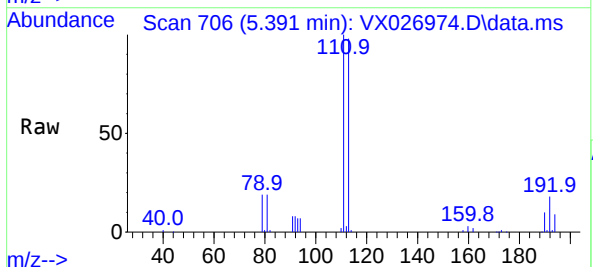
Instrument :
MSVOA_X
ClientSampleId :
MW-30S

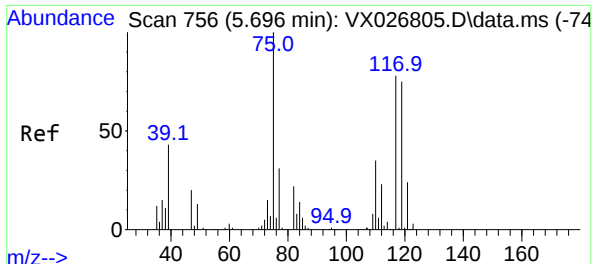
Tgt Ion:114 Resp: 178174
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.8
88 16.1 0.0 33.0



#35
Dibromofluoromethane
Concen: 53.086 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

Tgt Ion:113 Resp: 56352
Ion Ratio Lower Upper
113 100
111 102.2 81.2 121.8
192 18.9 15.0 22.4

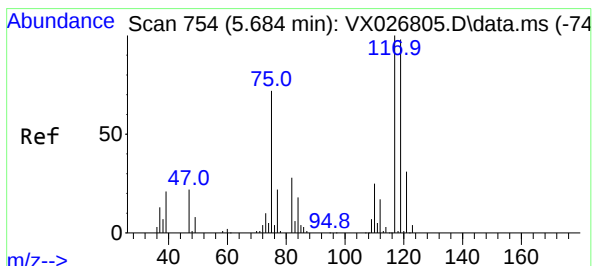
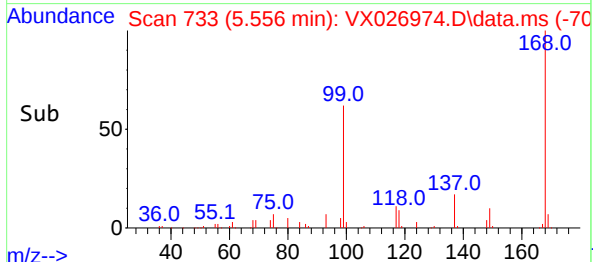
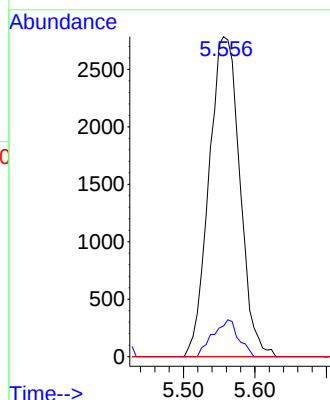
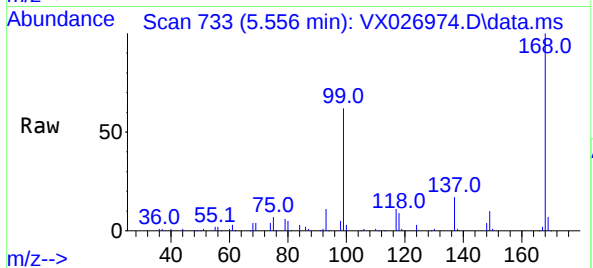




#36
1,1-Dichloropropene
Concen: 4.969 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

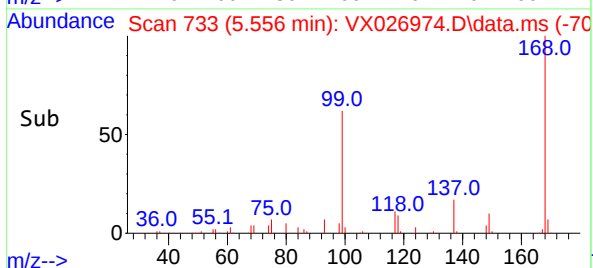
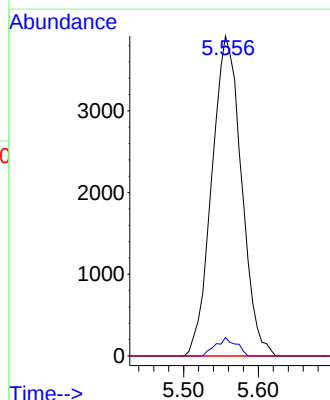
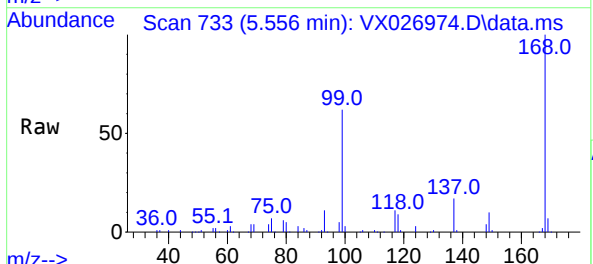
Instrument :
MSVOA_X
ClientSampleId :
MW-30S

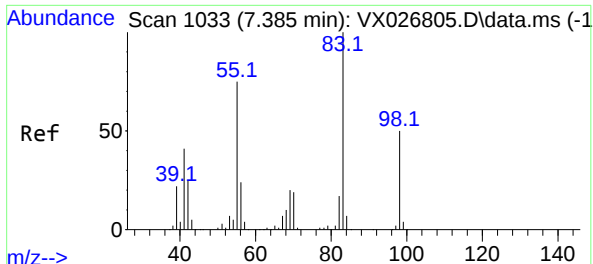
Tgt Ion: 75 Resp: 8322
Ion Ratio Lower Upper
75 100
110 9.5 17.2 51.6#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 6.152 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

Tgt Ion: 117 Resp: 10803
Ion Ratio Lower Upper
117 100
119 5.7 74.7 112.1#
121 0.0 25.4 38.0#

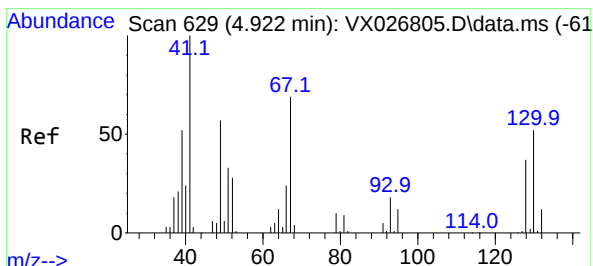
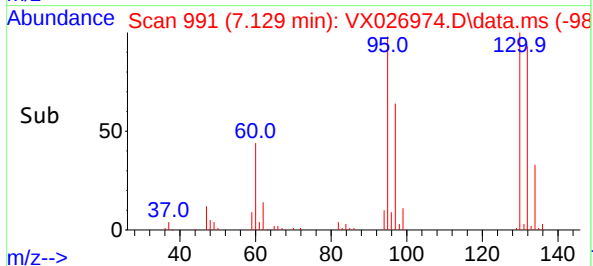
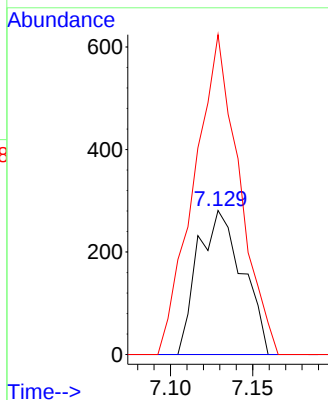
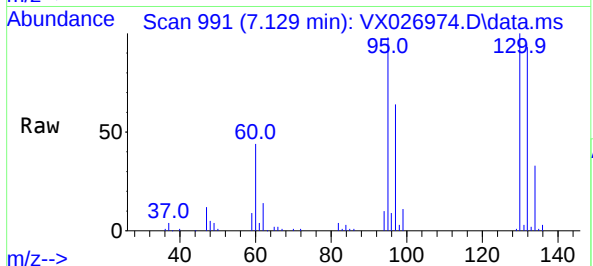




#39
Methylcyclohexane
Concen: 0.259 ug/l
RT: 7.129 min Scan# 91
Delta R.T. -0.256 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

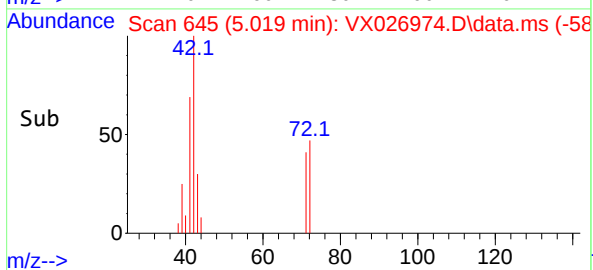
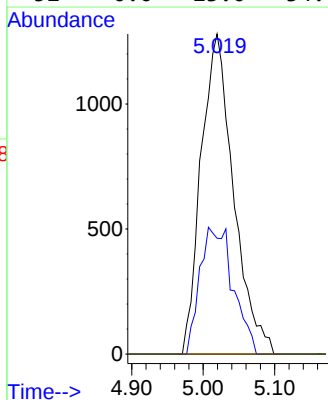
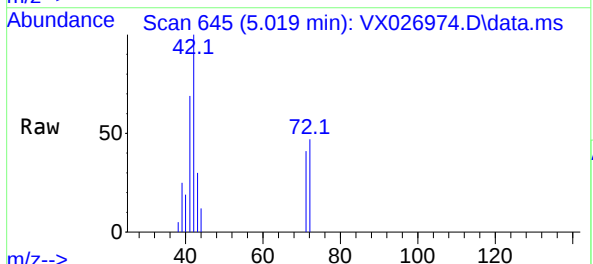
Instrument :
MSVOA_X
ClientSampleId :
MW-30S

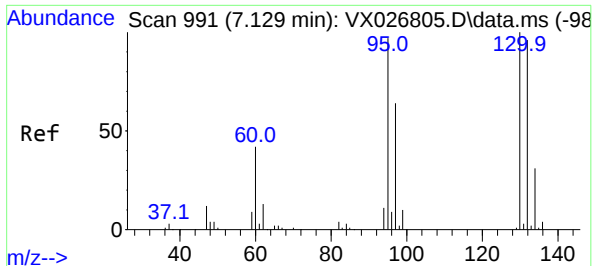
Tgt Ion: 83 Resp: 532
Ion Ratio Lower Upper
83 100
55 0.0 63.6 95.4#
98 222.1 38.4 57.6#



#41
Methacrylonitrile
Concen: 3.908 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.098 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

Tgt Ion: 41 Resp: 4031
Ion Ratio Lower Upper
41 100
39 40.6 45.4 68.0#
67 0.0 53.2 79.8#
52 0.0 23.0 34.6#

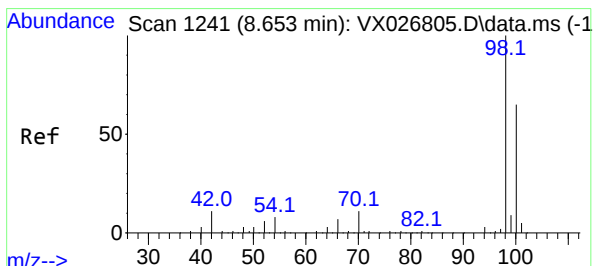
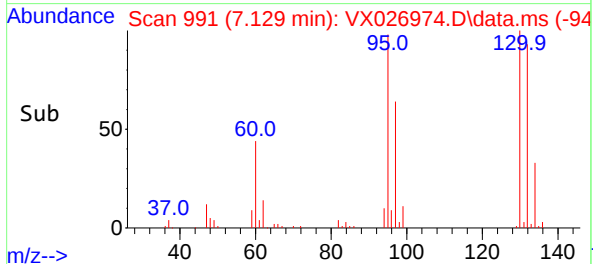
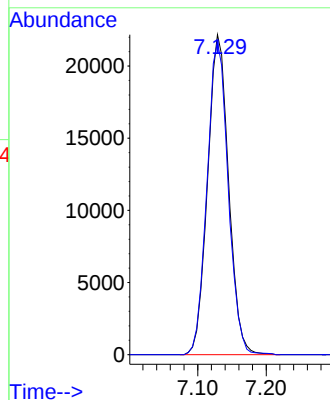
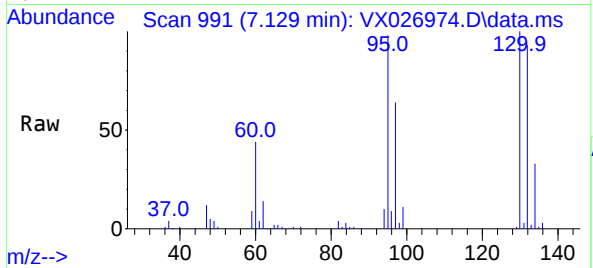




#44
Trichloroethene
Concen: 32.307 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

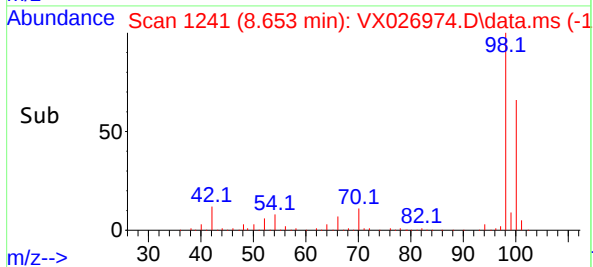
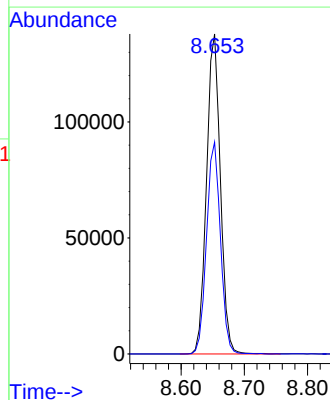
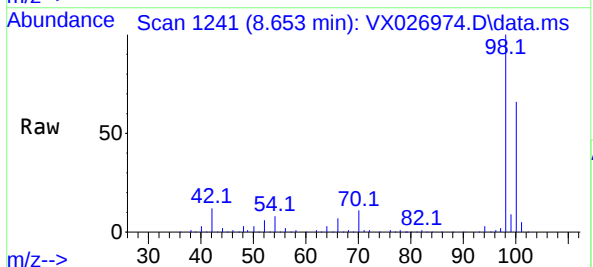
Instrument :
MSVOA_X
ClientSampleId :
MW-30S

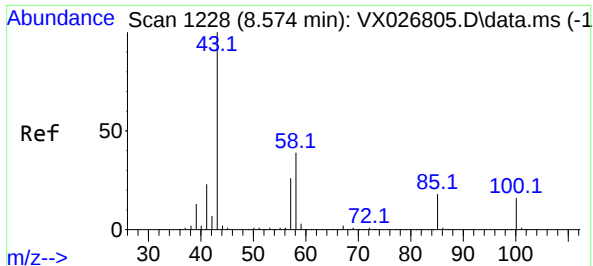
Tgt Ion:130 Resp: 47344
Ion Ratio Lower Upper
130 100
95 97.8 0.0 202.6



#50
Toluene-d8
Concen: 54.038 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

Tgt Ion: 98 Resp: 210561
Ion Ratio Lower Upper
98 100
100 66.3 53.2 79.8

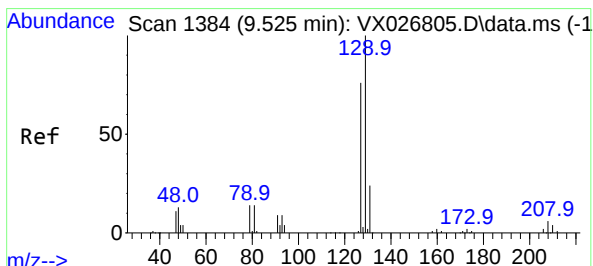
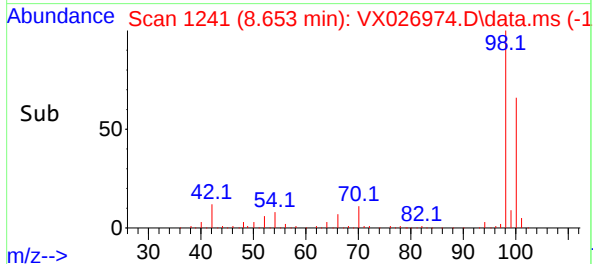
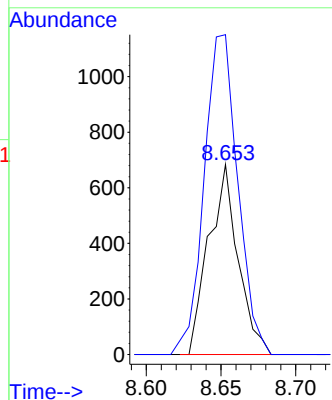
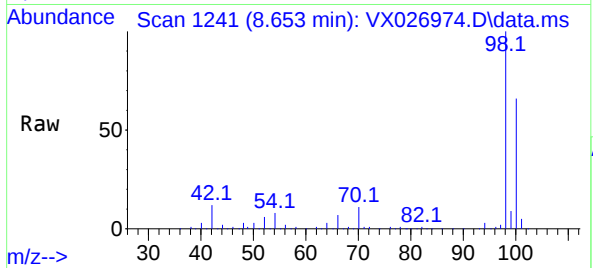




#51
4-Methyl-2-Pentanone
Concen: 0.527 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

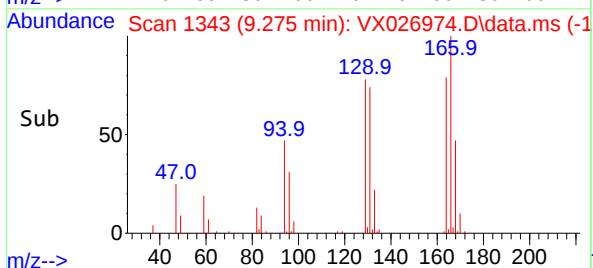
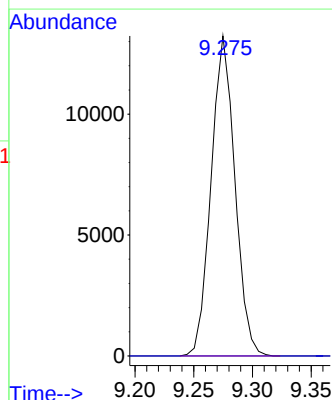
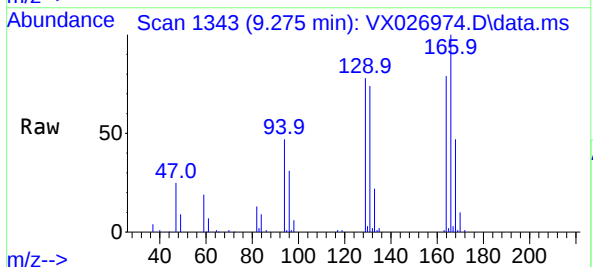
Instrument :
MSVOA_X
ClientSampleId :
MW-30S

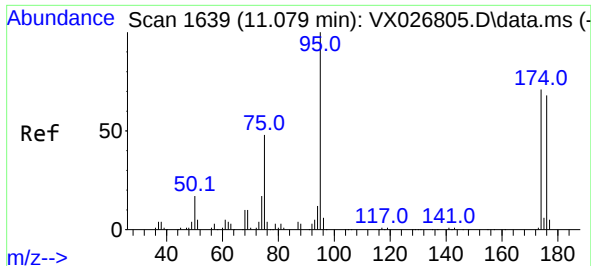
Tgt Ion: 43 Resp: 935
Ion Ratio Lower Upper
43 100
58 192.8 30.5 45.7#



#60
Dibromochloromethane
Concen: 15.517 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

Tgt Ion: 129 Resp: 18678
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

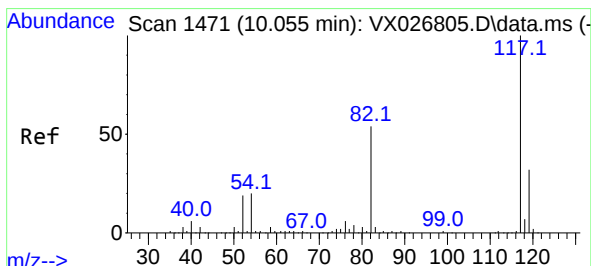
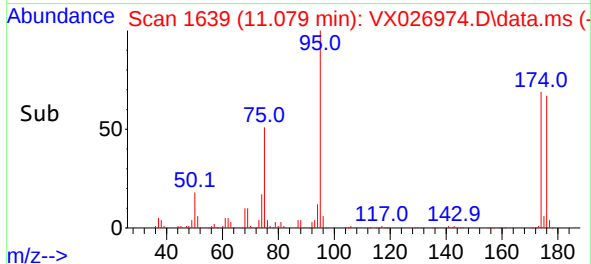
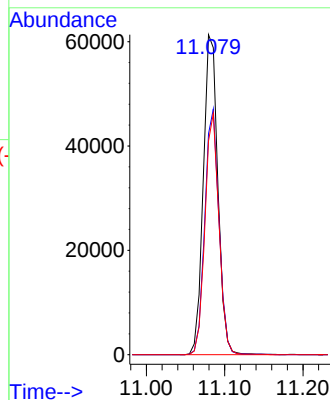
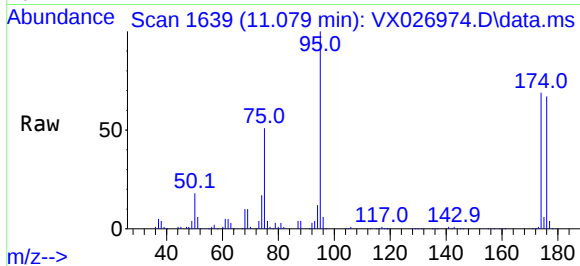




#62
4-Bromofluorobenzene
Concen: 57.597 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

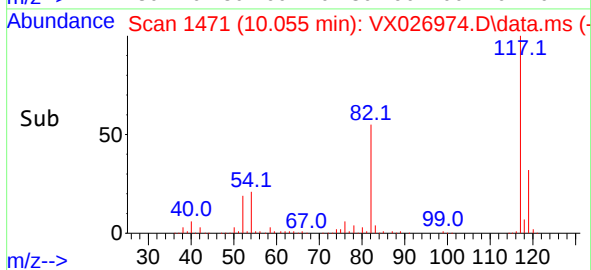
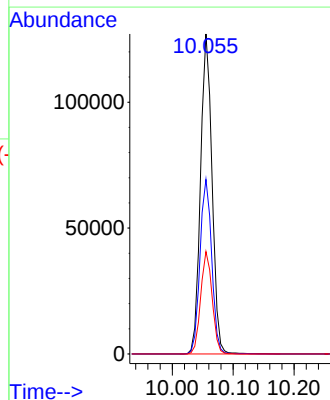
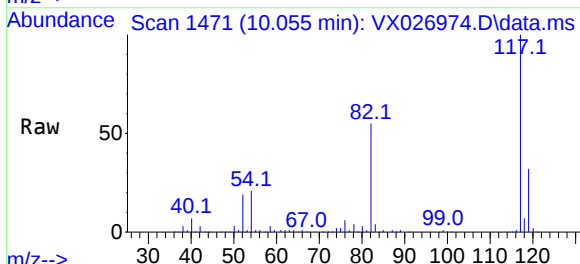
Instrument :
MSVOA_X
ClientSampleId :
MW-30S

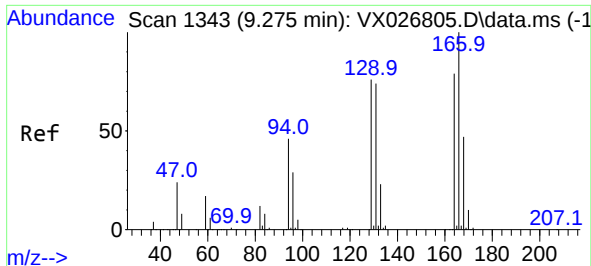
Tgt Ion: 95 Resp: 79014
Ion Ratio Lower Upper
95 100
174 74.7 0.0 148.6
176 72.5 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

Tgt Ion: 117 Resp: 166580
Ion Ratio Lower Upper
117 100
82 54.6 45.2 67.8
119 32.0 26.2 39.2

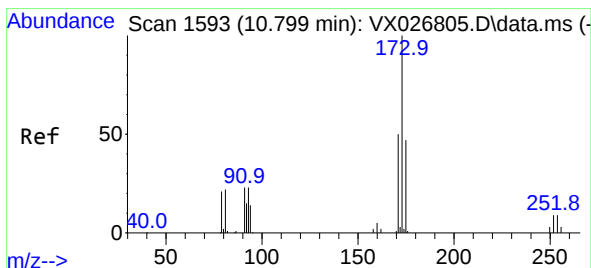
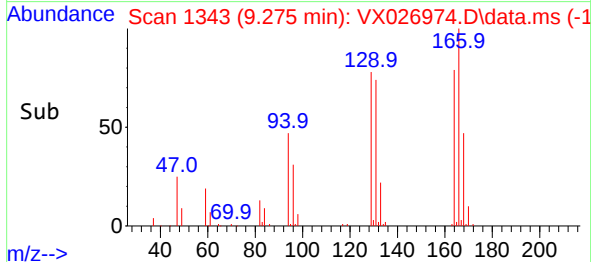
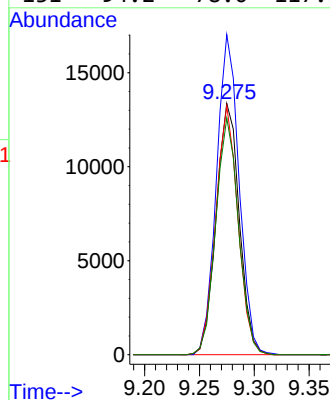
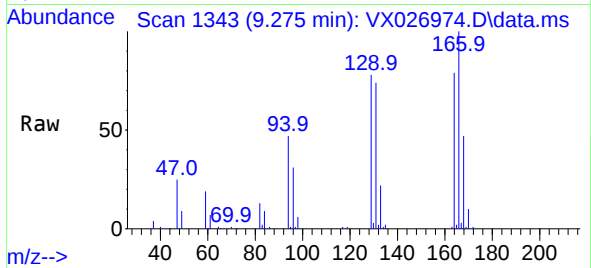




#64
Tetrachloroethene
Concen: 11.707 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

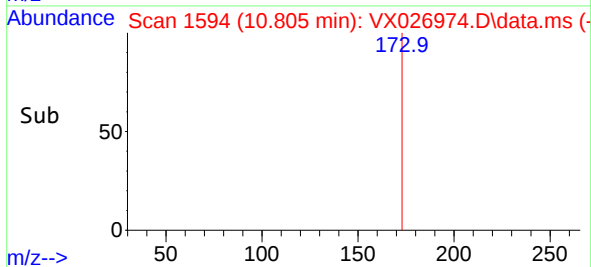
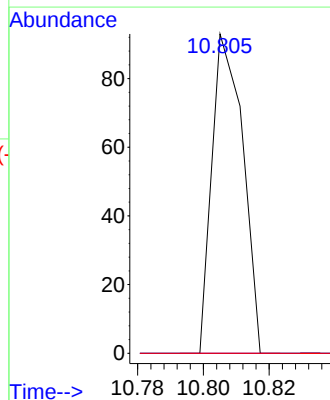
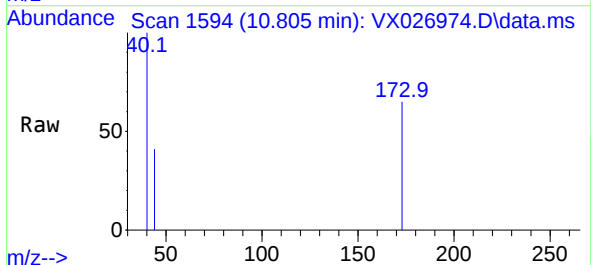
Instrument :
MSVOA_X
ClientSampleId :
MW-30S

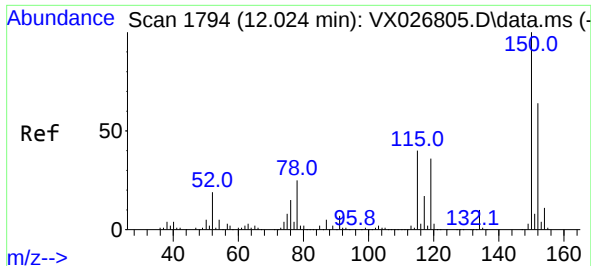
Tgt Ion:164 Resp: 19587
Ion Ratio Lower Upper
164 100
166 127.4 101.8 152.6
129 99.0 83.3 124.9
131 94.2 78.0 117.0



#71
Bromoform
Concen: 1.918 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

Tgt Ion:173 Resp: 60
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.9#
254 0.0 0.0 0.0

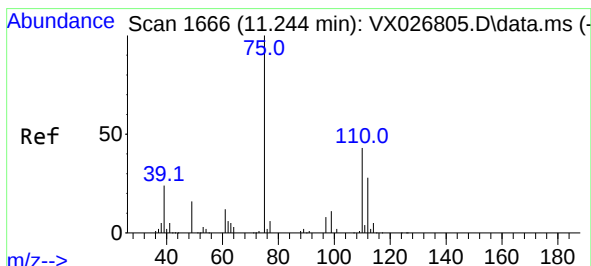
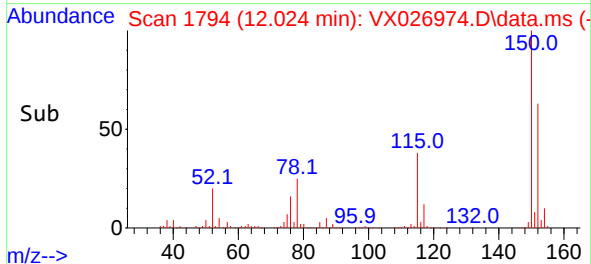
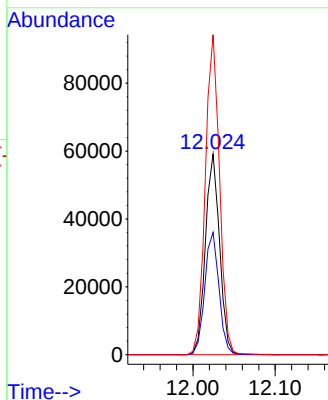
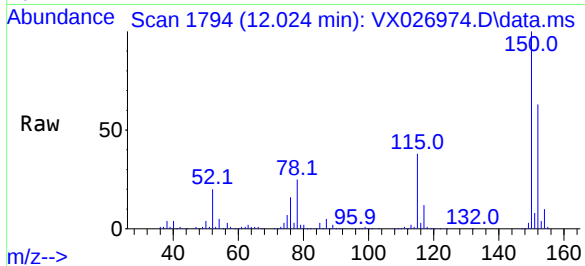




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

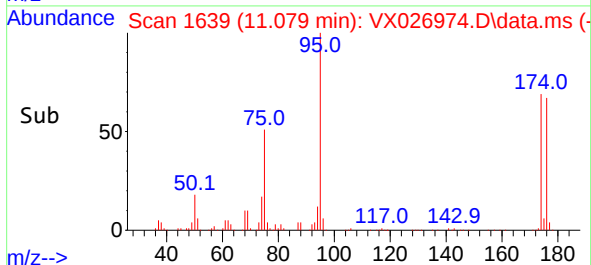
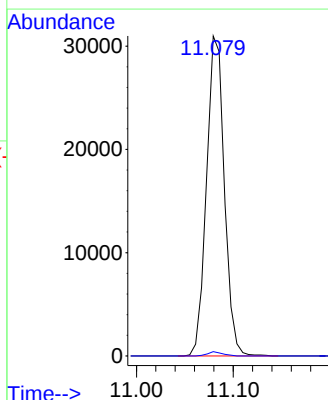
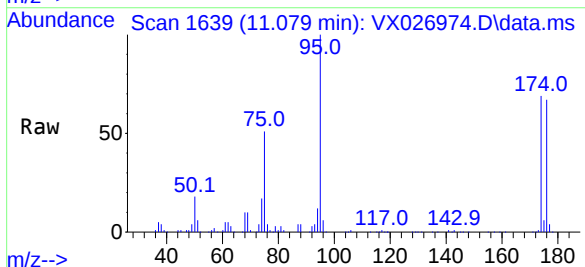
Instrument :
MSVOA_X
ClientSampleId :
MW-30S

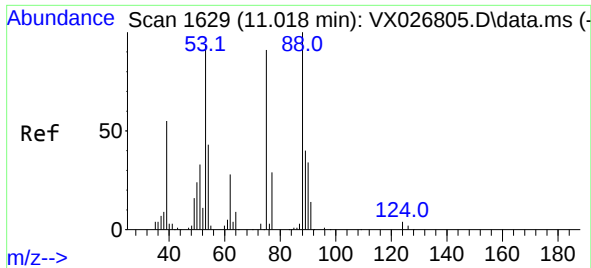
Tgt Ion:152 Resp: 70993
Ion Ratio Lower Upper
152 100
115 61.2 44.2 132.6
150 159.3 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 25.584 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX026974.D
Acq: 11 Feb 2022 18:01

Tgt Ion: 75 Resp: 39759
Ion Ratio Lower Upper
75 100
77 1.1 18.3 54.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.957 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX026974.D
 Acq: 11 Feb 2022 18:01

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-30S

Tgt Ion: 75 Resp: 39759
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.0 141.0#
 89 0.0 37.0 55.4#

