

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062922\
 Data File : VX029891.D
 Acq On : 30 Jun 2022 04:03
 Operator : JC/MD
 Sample : N3481-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-31

Quant Time: Jun 30 06:27:58 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

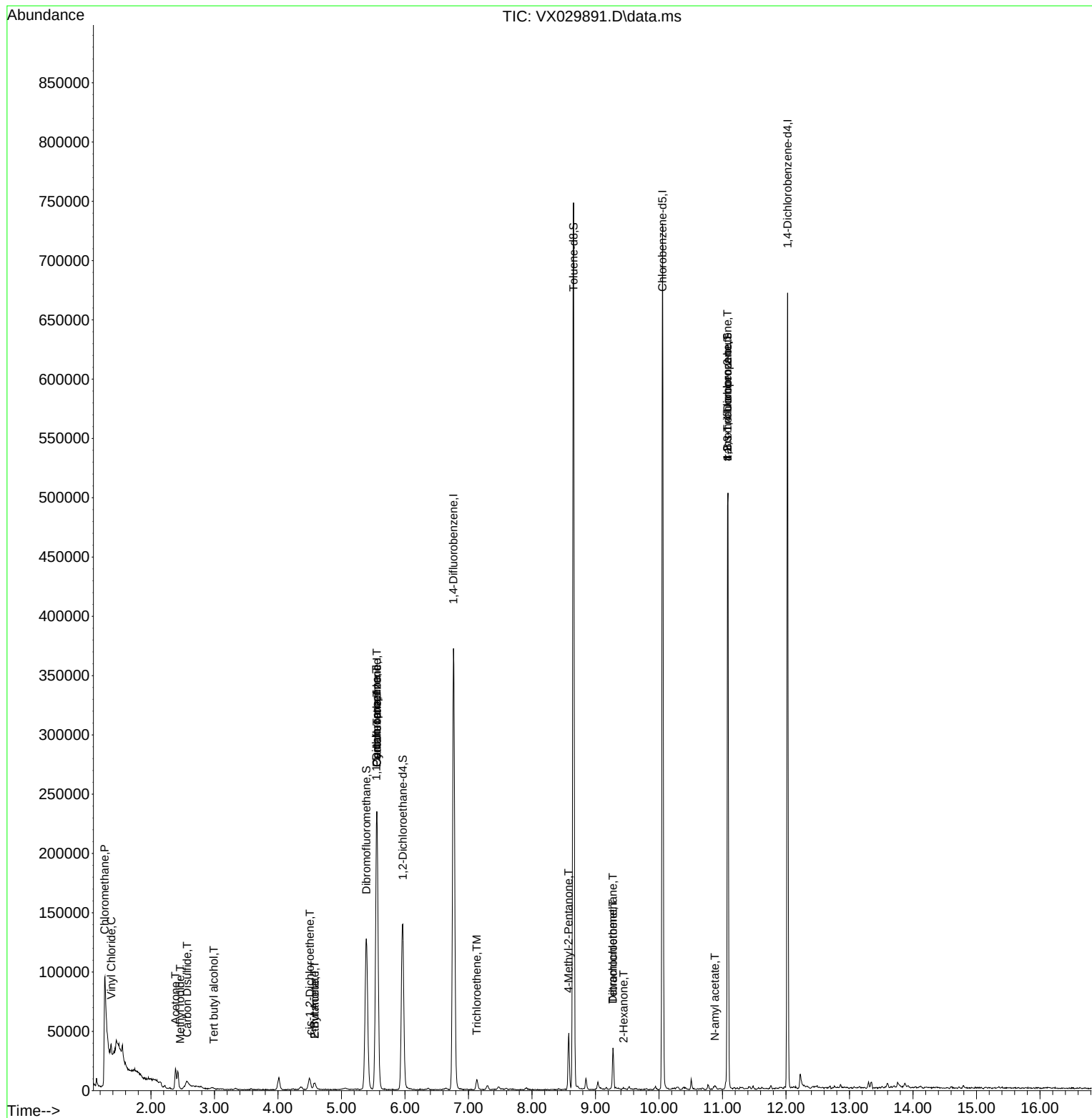
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	231648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	400994	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	334347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	129063	44.015	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.020%
35) Dibromofluoromethane	5.391	113	115096	45.928	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.860%
50) Toluene-d8	8.653	98	455469	48.448	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.900%
62) 4-Bromofluorobenzene	11.079	95	143414	43.156	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.320%
Target Compounds						
					Qvalue	
3) Chloromethane	1.270	50	1635	0.628	ug/l #	42
4) Vinyl Chloride	1.374	62	5342	2.064	ug/l #	52
10) Methyl Iodide	2.459	142	123	1.910	ug/l #	45
11) Tert butyl alcohol	2.989	59	1487	1.939	ug/l #	89
13) Acrolein	2.252	56	121	Below Cal	#	14
16) Acetone	2.386	43	18537	12.922	ug/l	96
17) Carbon Disulfide	2.569	76	12400	2.090	ug/l #	92
25) 2-Butanone	4.574	43	10591	4.254	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	6255	2.025	ug/l	94
31) Cyclohexane	5.556	56	4867	1.190	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	17402	5.221	ug/l #	44
37) Ethyl Acetate	4.574	43	10591	2.323	ug/l #	67
38) Carbon Tetrachloride	5.556	117	22021	7.625	ug/l #	18
44) Trichloroethene	7.129	130	3100	1.068	ug/l	84
51) 4-Methyl-2-Pentanone	8.574	43	28756	6.353	ug/l	99
59) 2-Hexanone	9.439	43	1321	0.376	ug/l	71
60) Dibromochloromethane	9.275	129	6025	2.407	ug/l #	12
64) Tetrachloroethene	9.275	164	6290	3.119	ug/l	98
74) N-amyl acetate	10.878	43	1774	0.374	ug/l #	65
76) 1,2,3-Trichloropropane	11.079	75	68880	21.716	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	68880	68.965	ug/l #	13

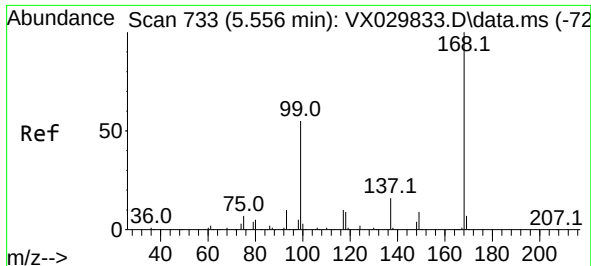
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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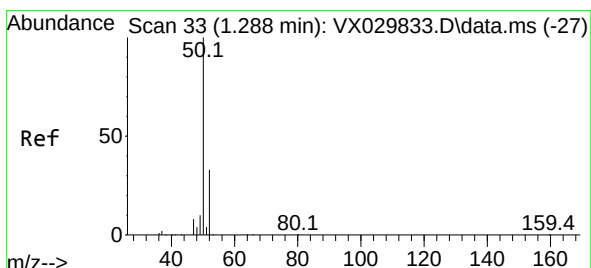
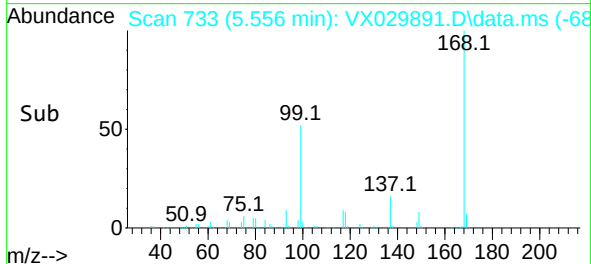
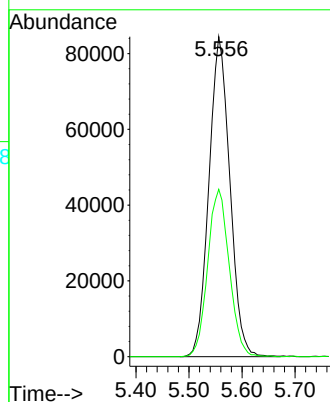
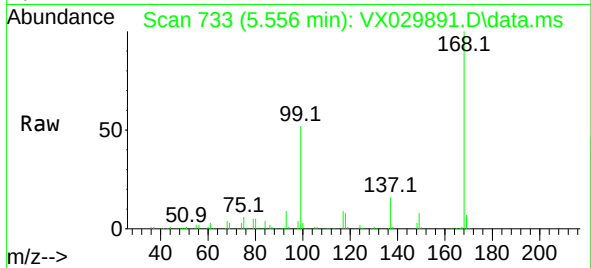




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX029891.D
Acq: 30 Jun 2022 04:03

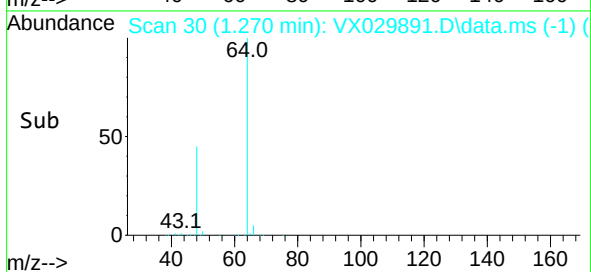
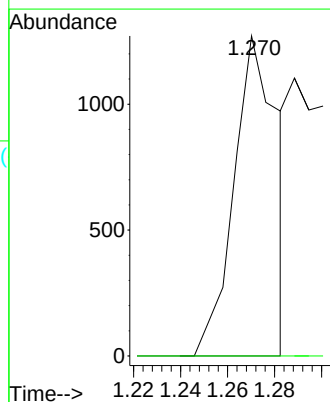
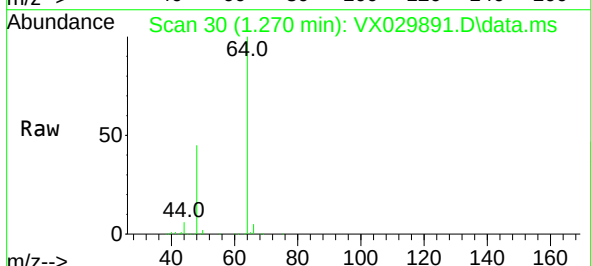
Instrument :
MSVOA_X
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MW-31

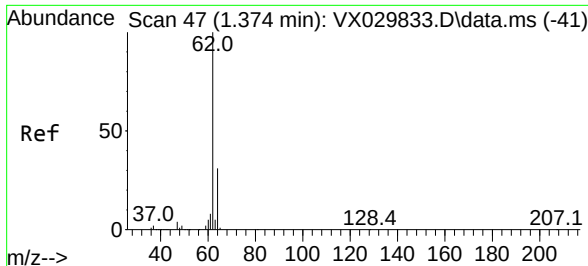
Tgt Ion:168 Resp: 231648
Ion Ratio Lower Upper
168 100
99 52.3 44.0 66.0



#3
Chloromethane
Concen: 0.628 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.018 min
Lab File: VX029891.D
Acq: 30 Jun 2022 04:03

Tgt Ion: 50 Resp: 1635
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

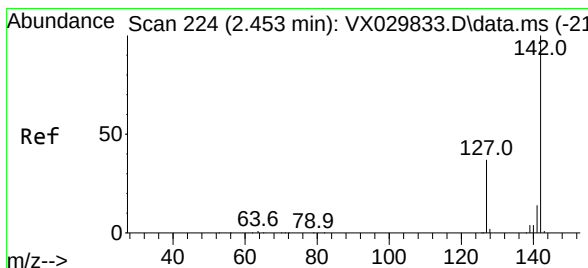
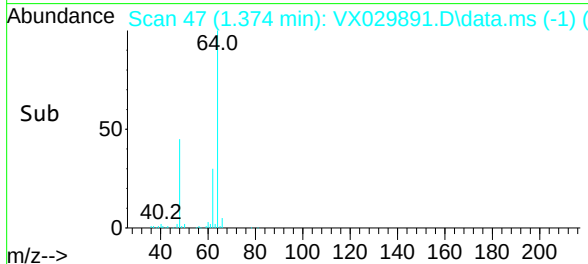
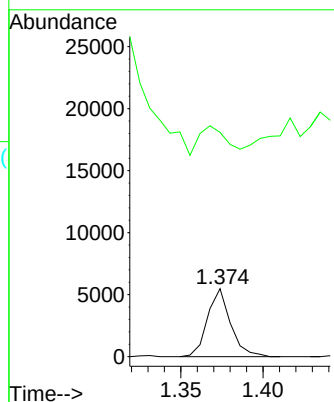
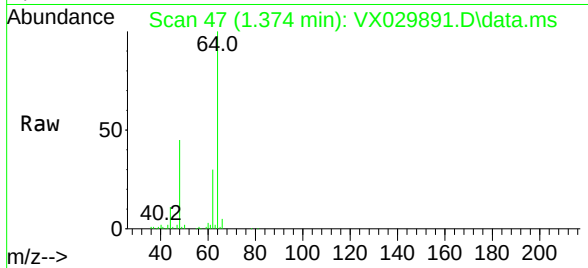




#4
 Vinyl Chloride
 Concen: 2.064 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX029891.D
 Acq: 30 Jun 2022 04:03

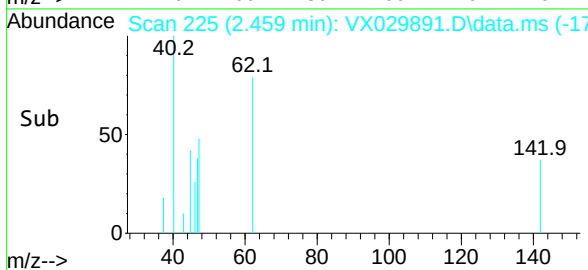
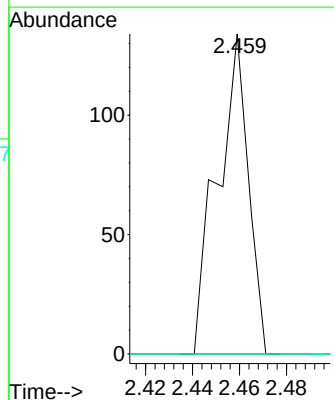
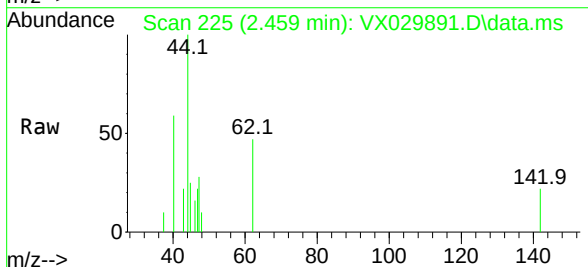
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-31

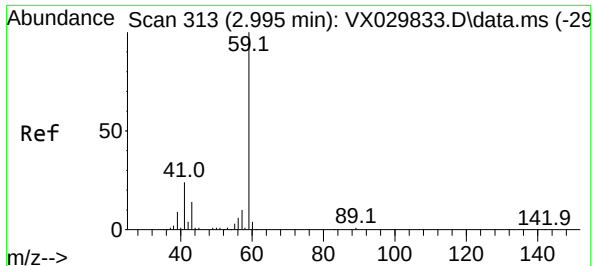
Tgt Ion: 62 Resp: 5342
 Ion Ratio Lower Upper
 62 100
 64 5.0 25.2 37.8#



#10
 Methyl Iodide
 Concen: 1.910 ug/l
 RT: 2.459 min Scan# 225
 Delta R.T. 0.006 min
 Lab File: VX029891.D
 Acq: 30 Jun 2022 04:03

Tgt Ion: 142 Resp: 123
 Ion Ratio Lower Upper
 142 100
 127 0.0 30.2 45.2#
 141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 1.939 ug/l

RT: 2.989 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX029891.D

Acq: 30 Jun 2022 04:03

Instrument :

MSVOA_X

ClientSampleId :

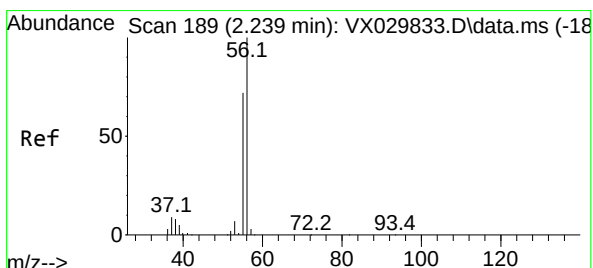
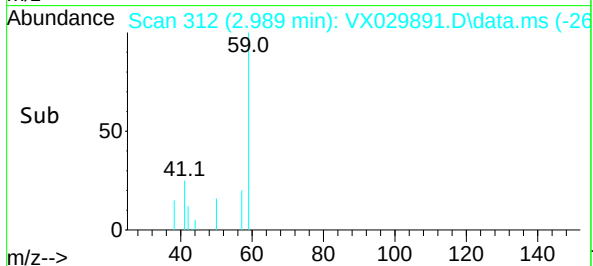
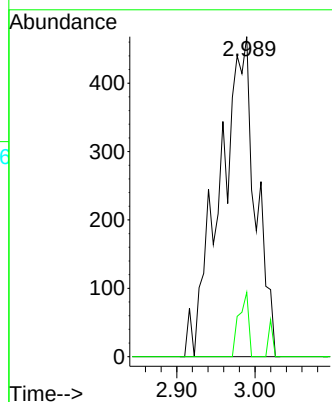
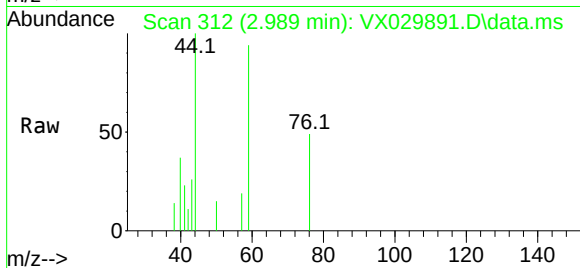
MW-31

Tgt Ion: 59 Resp: 1487

Ion Ratio Lower Upper

59 100

57 5.4 7.4 11.2#



#13

Acrolein

Concen: Below Cal

RT: 2.252 min Scan# 191

Delta R.T. 0.013 min

Lab File: VX029891.D

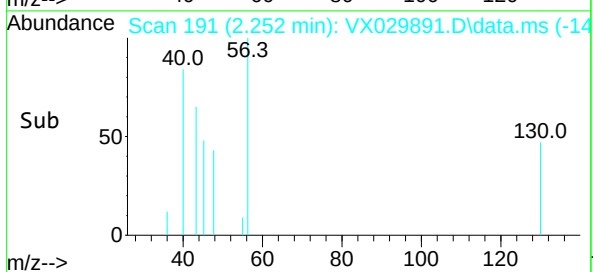
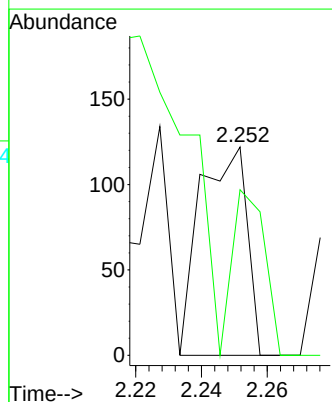
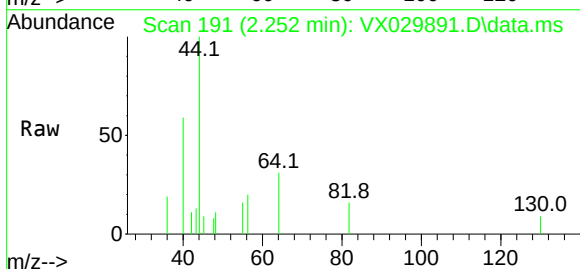
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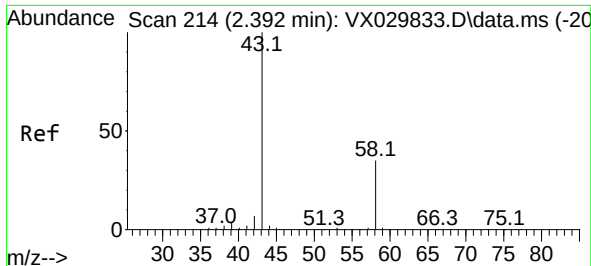
Tgt Ion: 56 Resp: 121

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#

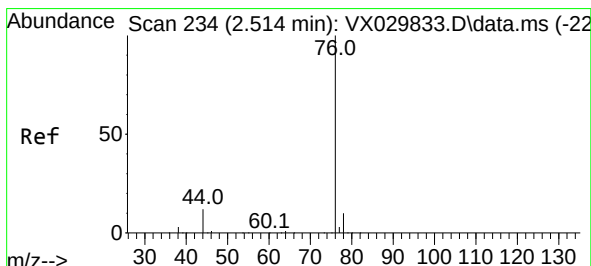
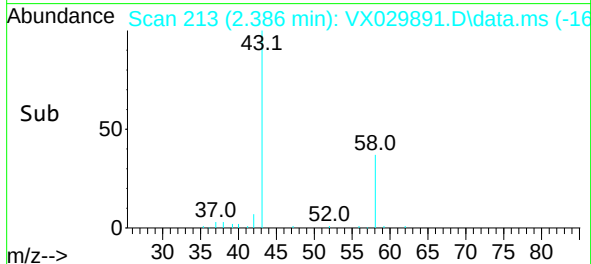
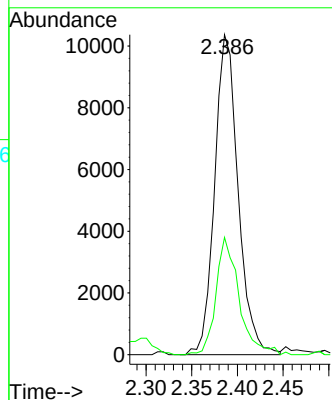
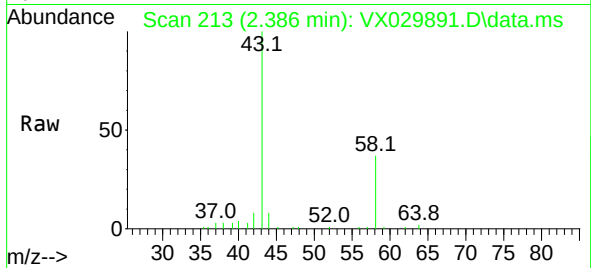




#16
Acetone
Concen: 12.922 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX029891.D
Acq: 30 Jun 2022 04:03

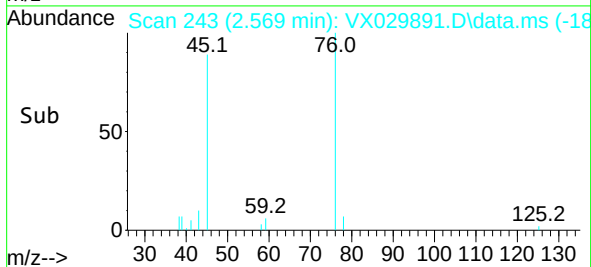
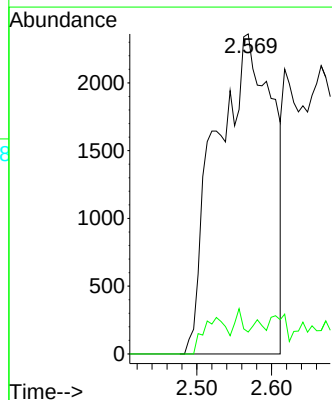
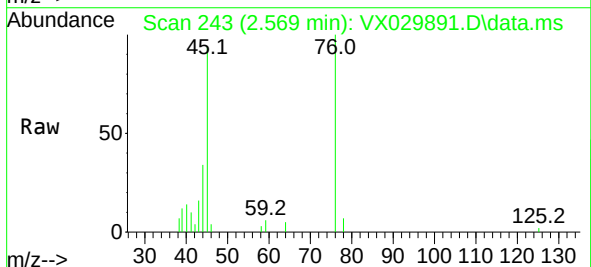
Instrument :
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ClientSampleId :
MW-31

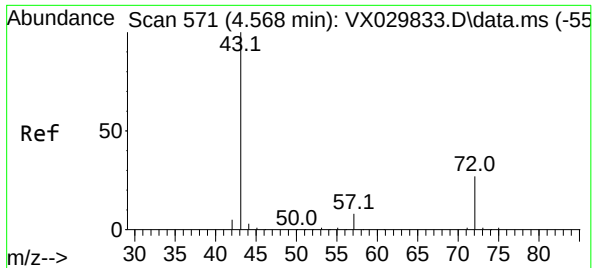
Tgt Ion: 43 Resp: 18537
Ion Ratio Lower Upper
43 100
58 36.7 27.7 41.5



#17
Carbon Disulfide
Concen: 2.090 ug/l
RT: 2.569 min Scan# 243
Delta R.T. 0.055 min
Lab File: VX029891.D
Acq: 30 Jun 2022 04:03

Tgt Ion: 76 Resp: 12400
Ion Ratio Lower Upper
76 100
78 6.9 7.8 11.6#

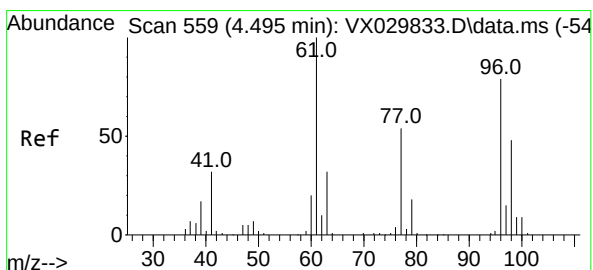
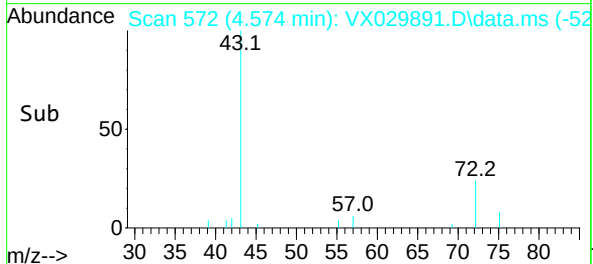
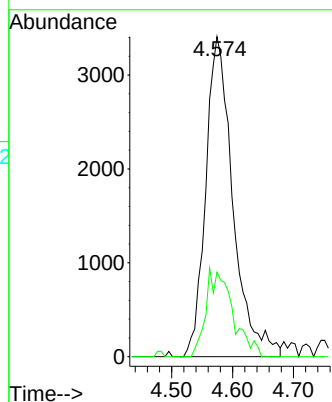
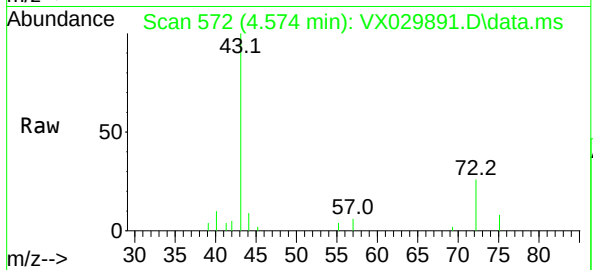




#25
2-Butanone
Concen: 4.254 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX029891.D
Acq: 30 Jun 2022 04:03

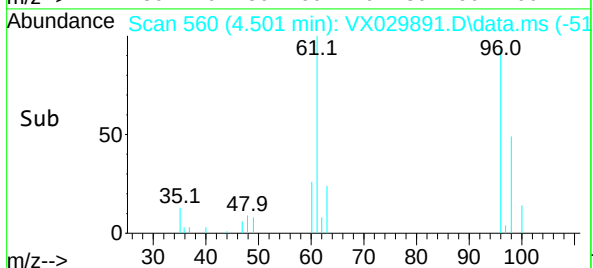
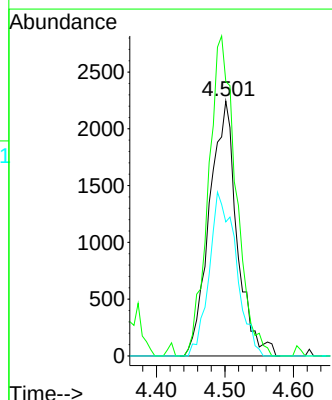
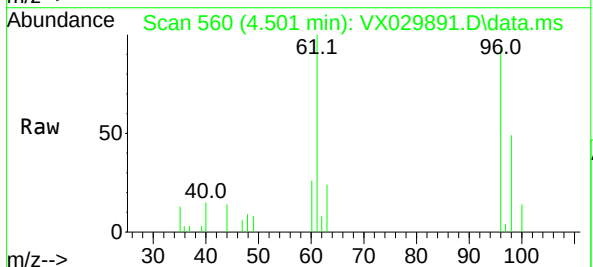
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ClientSampleId :
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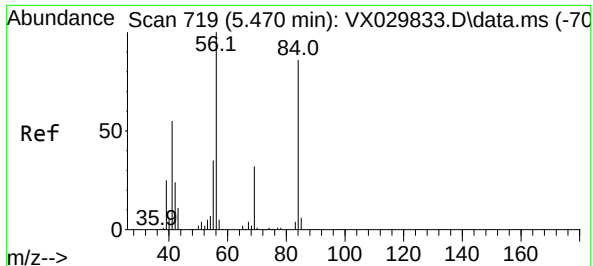
Tgt Ion: 43 Resp: 10591
Ion Ratio Lower Upper
43 100
72 26.4 21.7 32.5



#27
cis-1,2-Dichloroethene
Concen: 2.025 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX029891.D
Acq: 30 Jun 2022 04:03

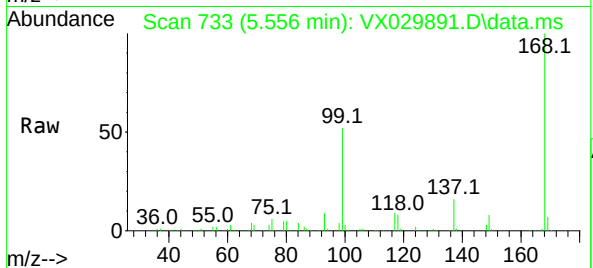
Tgt Ion: 96 Resp: 6255
Ion Ratio Lower Upper
96 100
61 125.8 0.0 270.0
98 63.0 0.0 127.8



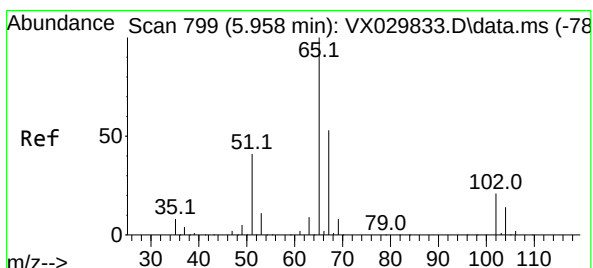
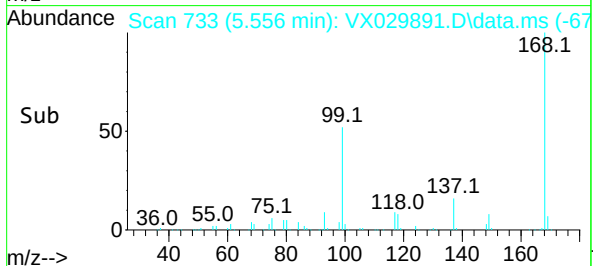
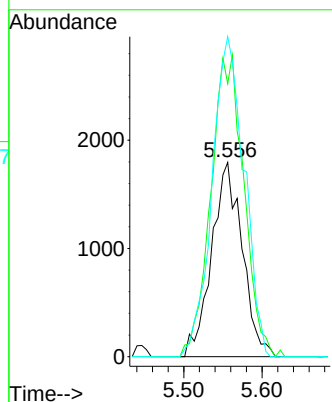


#31
Cyclohexane
Concen: 1.190 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX029891.D
Acq: 30 Jun 2022 04:03

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ClientSampleId :
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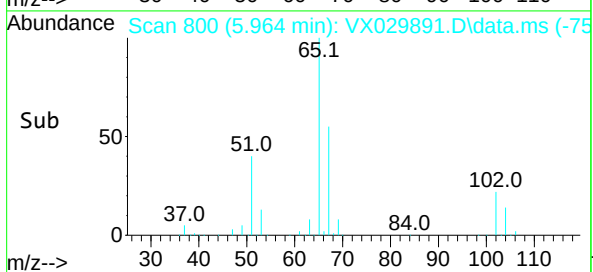
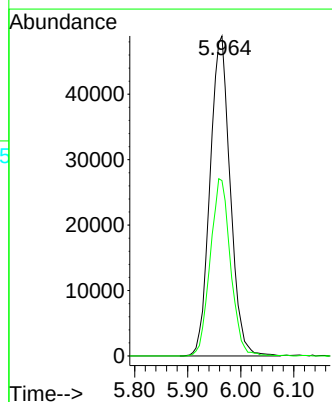
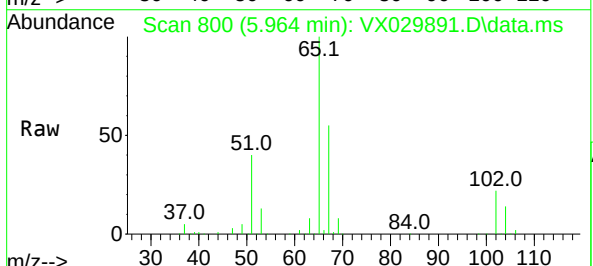


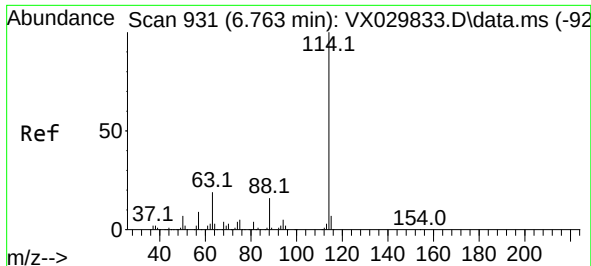
Tgt Ion: 56 Resp: 4867
Ion Ratio Lower Upper
56 100
69 140.6 25.4 38.0#
84 164.7 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 44.015 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX029891.D
Acq: 30 Jun 2022 04:03

Tgt Ion: 65 Resp: 129063
Ion Ratio Lower Upper
65 100
67 55.7 0.0 109.6

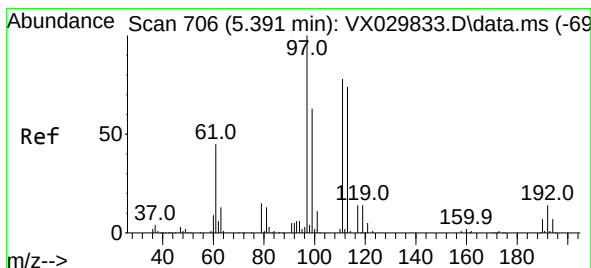
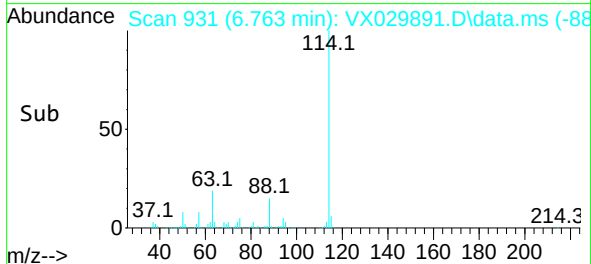
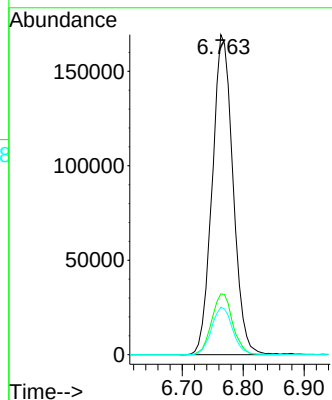
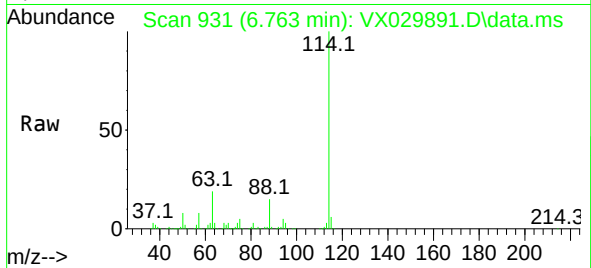




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX029891.D
Acq: 30 Jun 2022 04:03

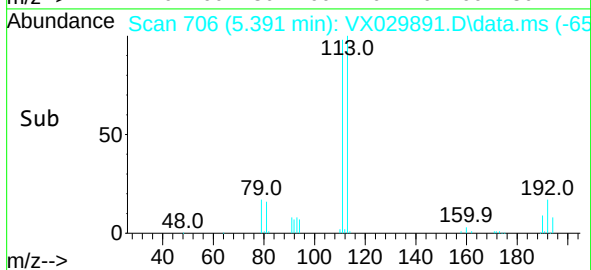
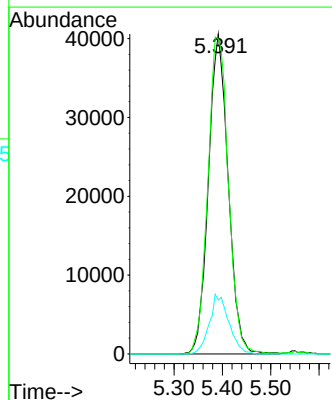
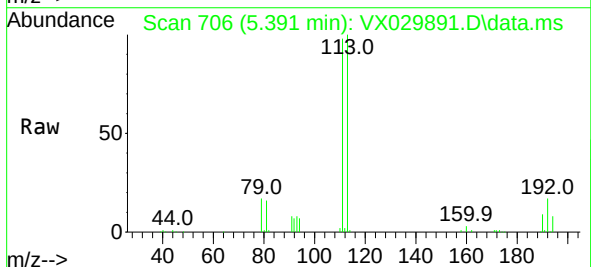
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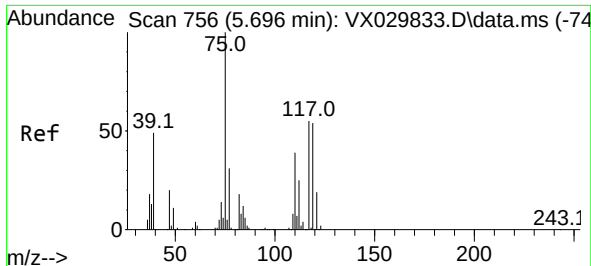
Tgt Ion:114 Resp: 400994
Ion Ratio Lower Upper
114 100
63 19.0 0.0 38.4
88 14.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.928 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029891.D
Acq: 30 Jun 2022 04:03

Tgt Ion:113 Resp: 115096
Ion Ratio Lower Upper
113 100
111 103.4 83.2 124.8
192 18.3 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.221 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX029891.D

Acq: 30 Jun 2022 04:03

Instrument :

MSVOA_X

ClientSampleId :

MW-31

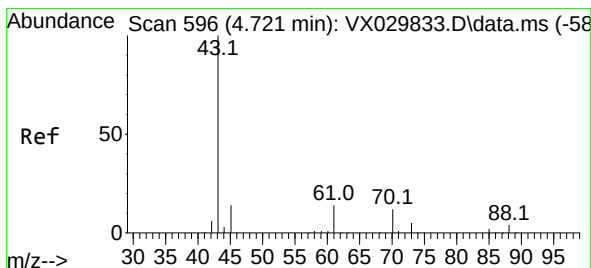
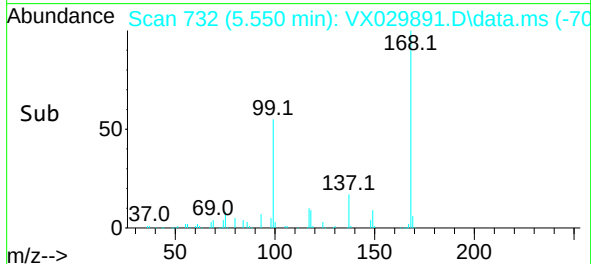
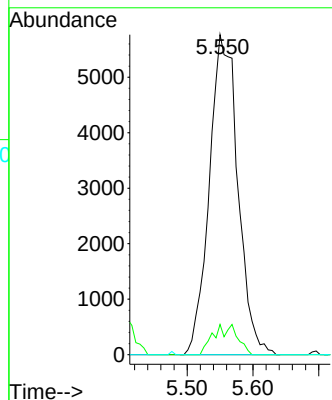
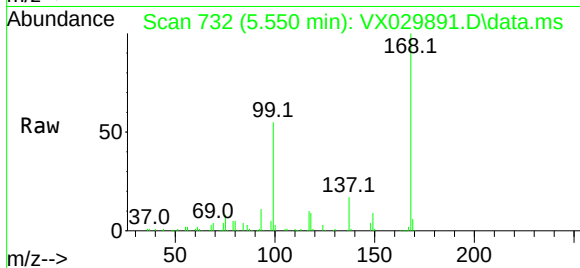
Tgt Ion: 75 Resp: 17402

Ion Ratio Lower Upper

75 100

110 4.1 19.3 57.9#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 2.323 ug/l

RT: 4.574 min Scan# 572

Delta R.T. -0.146 min

Lab File: VX029891.D

Acq: 30 Jun 2022 04:03

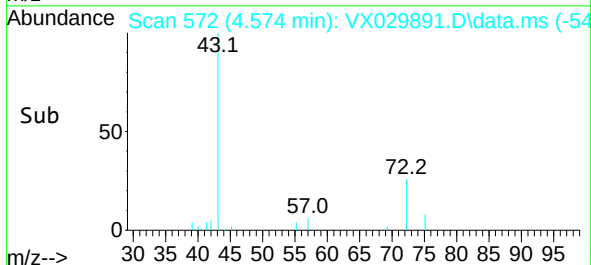
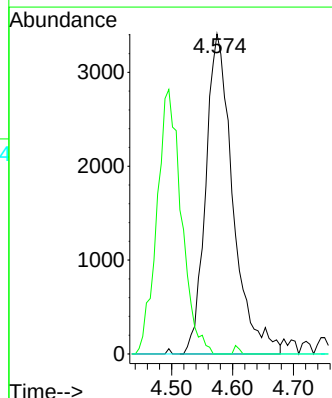
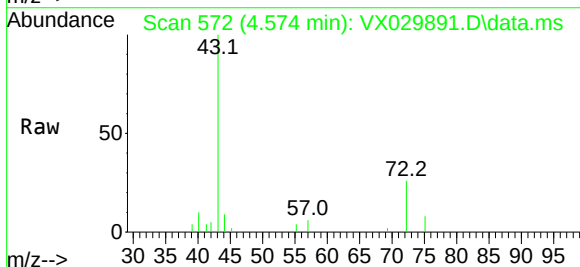
Tgt Ion: 43 Resp: 10591

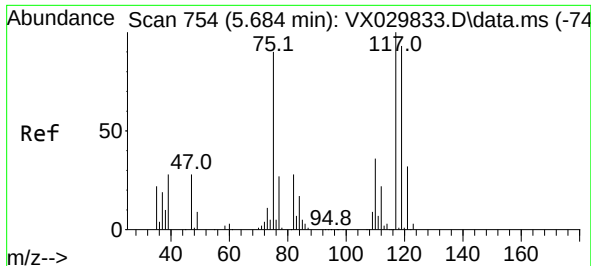
Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

70 0.0 9.3 13.9#

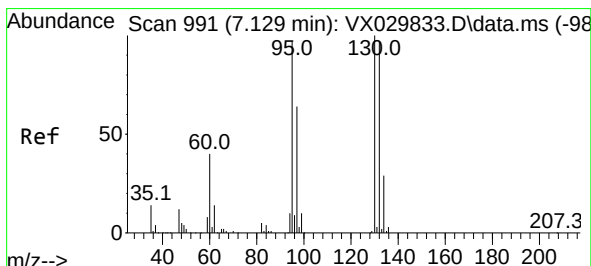
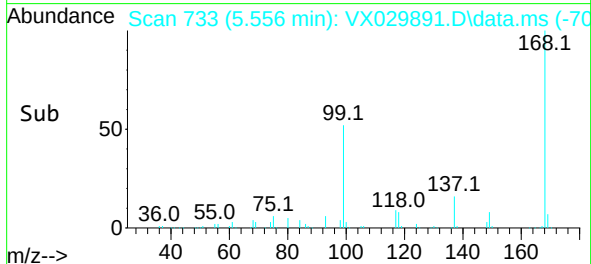
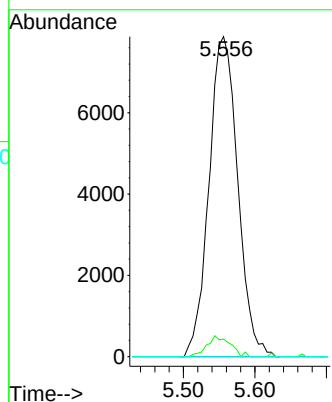
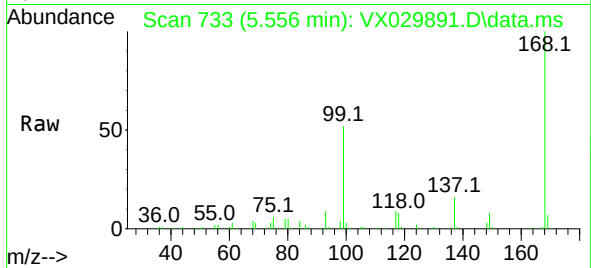




#38
Carbon Tetrachloride
Concen: 7.625 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX029891.D
Acq: 30 Jun 2022 04:03

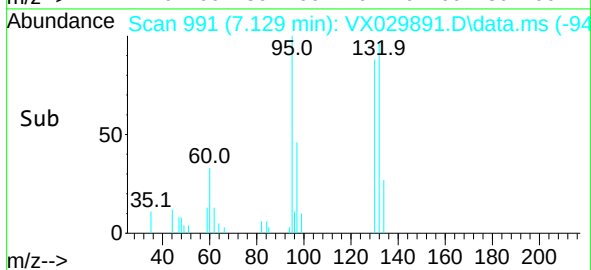
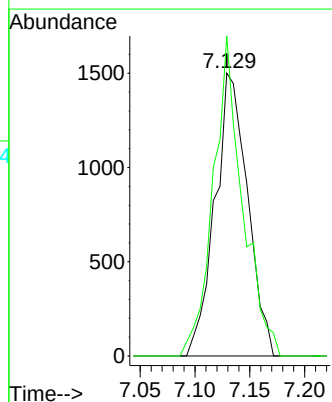
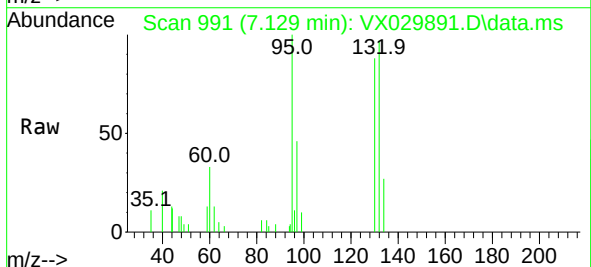
Instrument :
MSVOA_X
ClientSampleId :
MW-31

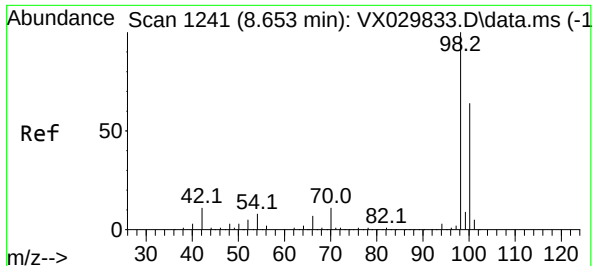
Tgt Ion:117 Resp: 22021
Ion Ratio Lower Upper
117 100
119 5.5 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 1.068 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX029891.D
Acq: 30 Jun 2022 04:03

Tgt Ion:130 Resp: 3100
Ion Ratio Lower Upper
130 100
95 113.1 0.0 194.8

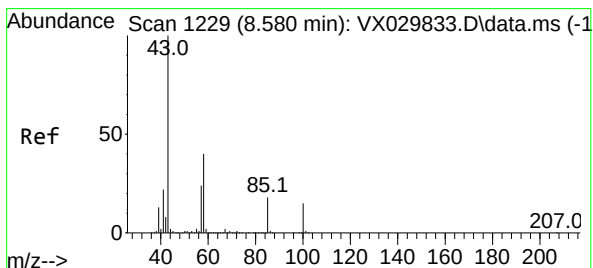
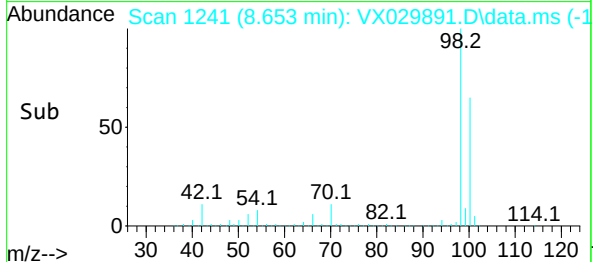
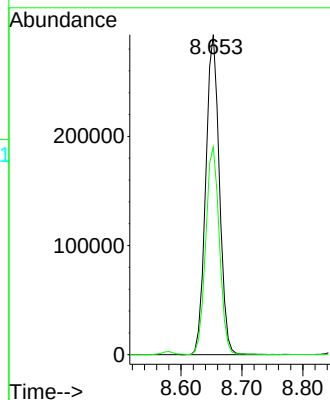
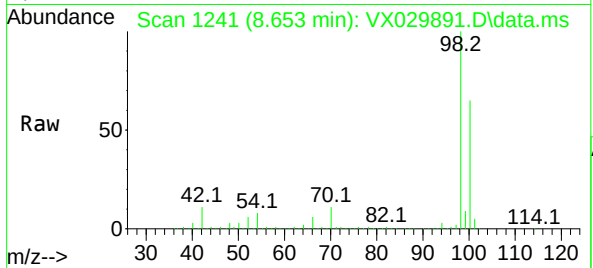




#50
Toluene-d8
Concen: 48.448 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029891.D
Acq: 30 Jun 2022 04:03

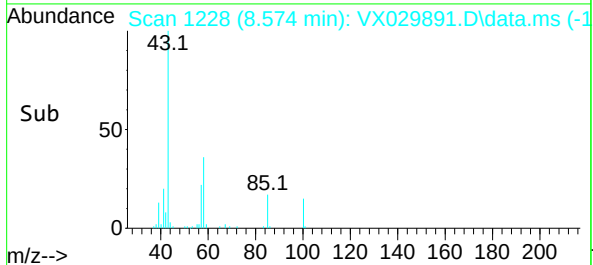
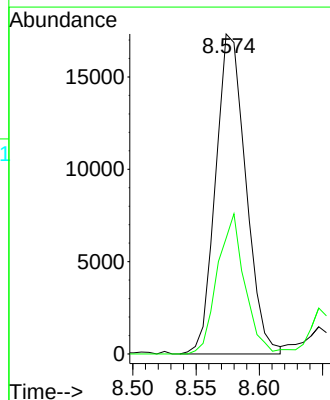
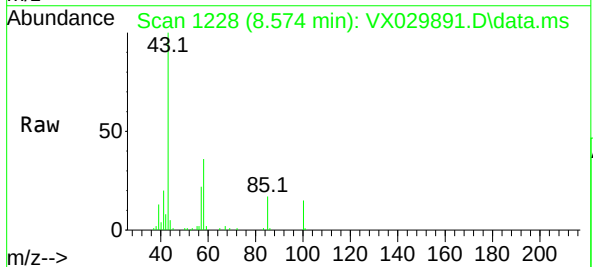
Instrument :
MSVOA_X
ClientSampleId :
MW-31

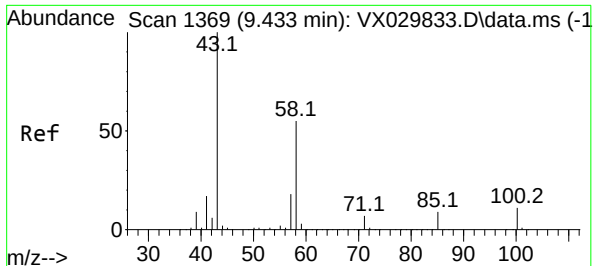
Tgt Ion: 98 Resp: 455469
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 6.353 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX029891.D
Acq: 30 Jun 2022 04:03

Tgt Ion: 43 Resp: 28756
Ion Ratio Lower Upper
43 100
58 39.7 31.4 47.2





#59

2-Hexanone

Concen: 0.376 ug/l

RT: 9.439 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX029891.D

Acq: 30 Jun 2022 04:03

Instrument :

MSVOA_X

ClientSampleId :

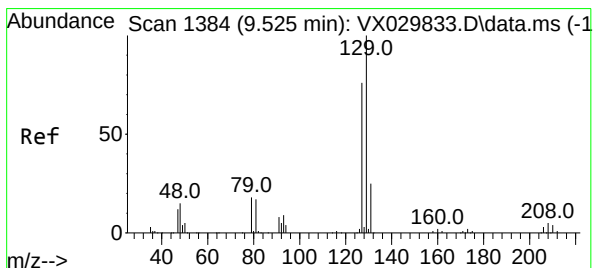
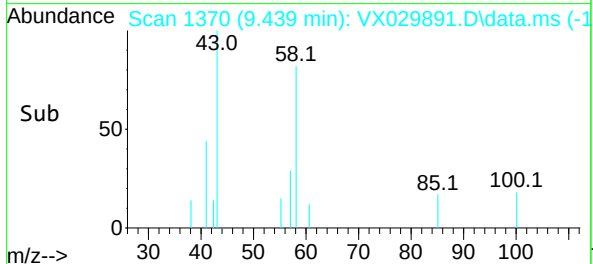
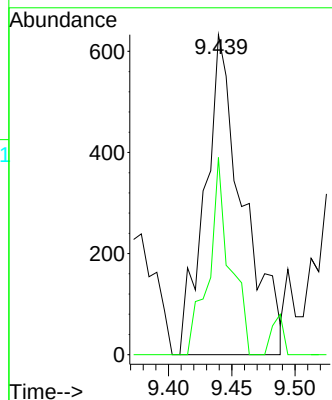
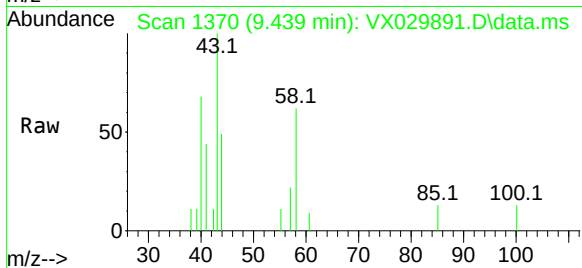
MW-31

Tgt Ion: 43 Resp: 1321

Ion Ratio Lower Upper

43 100

58 34.2 27.6 82.8



#60

Dibromochloromethane

Concen: 2.407 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX029891.D

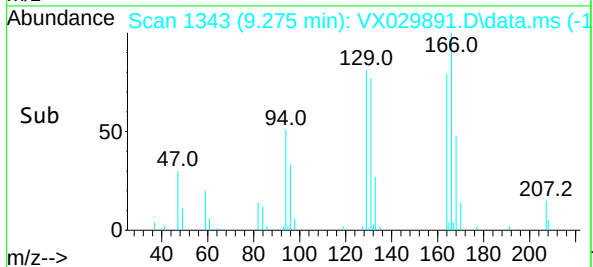
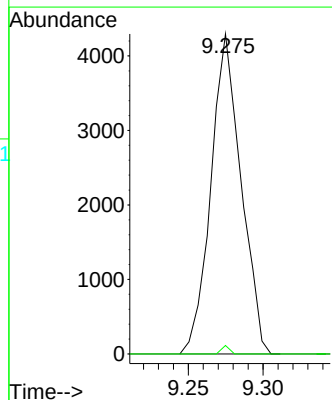
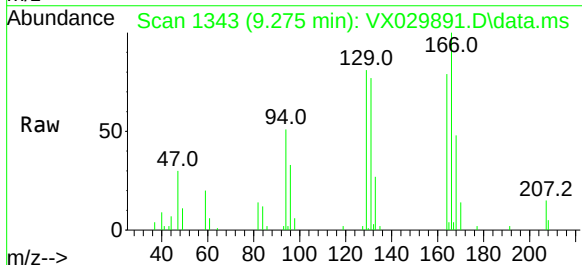
Acq: 30 Jun 2022 04:03

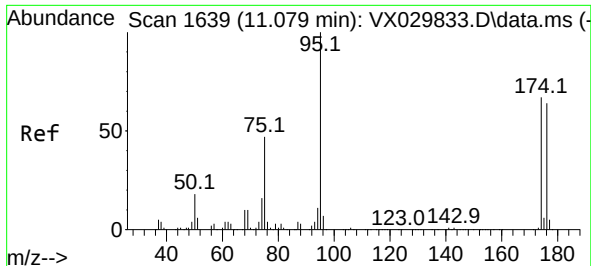
Tgt Ion: 129 Resp: 6025

Ion Ratio Lower Upper

129 100

127 0.7 38.5 115.5#

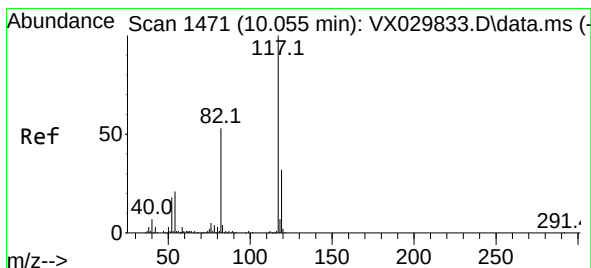
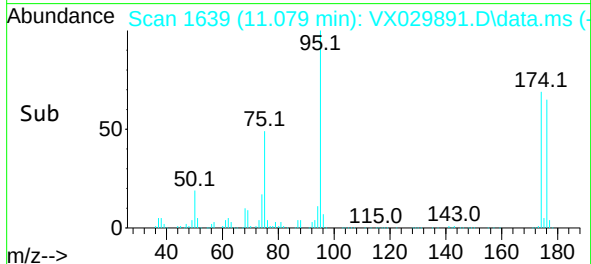
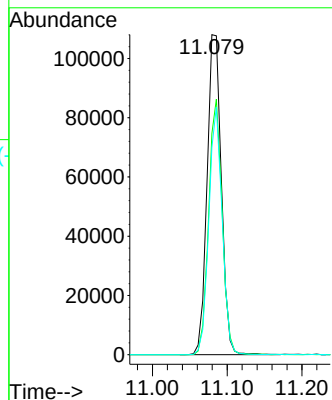
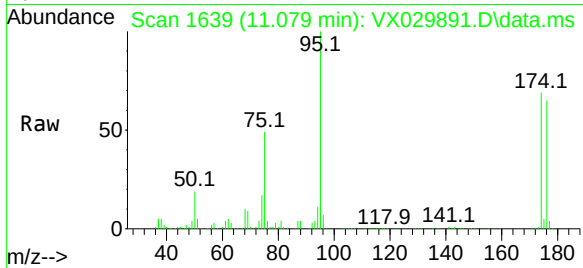




#62
4-Bromofluorobenzene
Concen: 43.156 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX029891.D
Acq: 30 Jun 2022 04:03

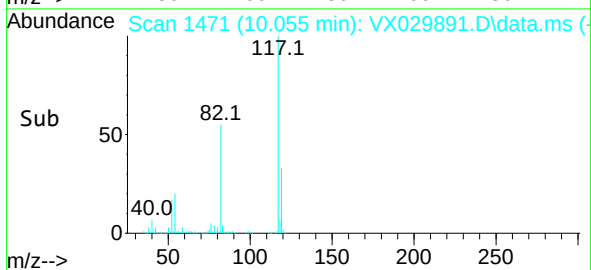
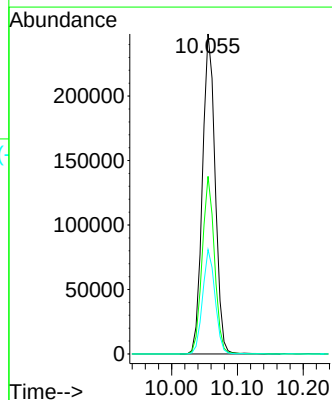
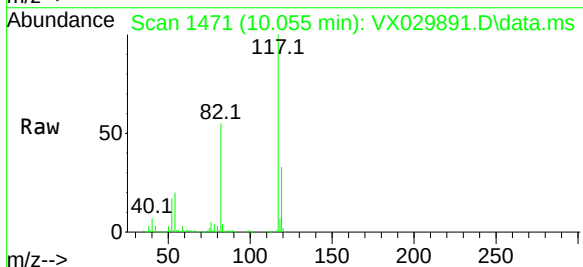
Instrument :
MSVOA_X
ClientSampleId :
MW-31

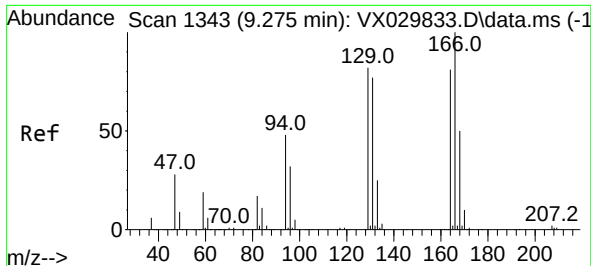
Tgt Ion: 95 Resp: 143414
Ion Ratio Lower Upper
95 100
174 75.5 0.0 149.0
176 72.0 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029891.D
Acq: 30 Jun 2022 04:03

Tgt Ion: 117 Resp: 334347
Ion Ratio Lower Upper
117 100
82 55.5 42.7 64.1
119 32.6 25.4 38.2

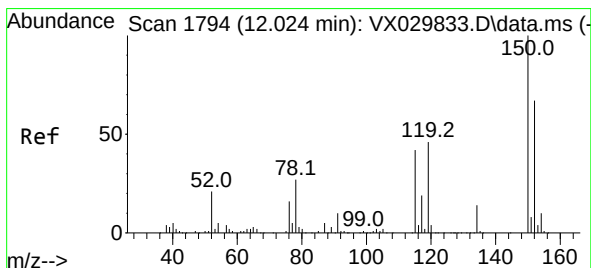
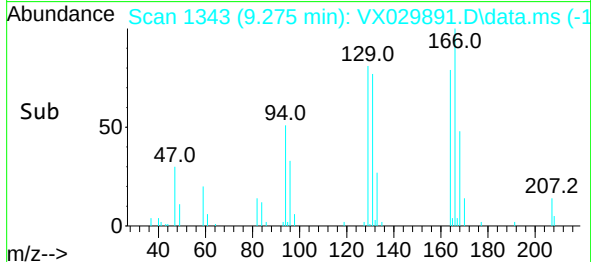
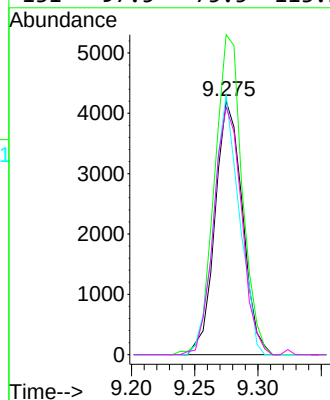
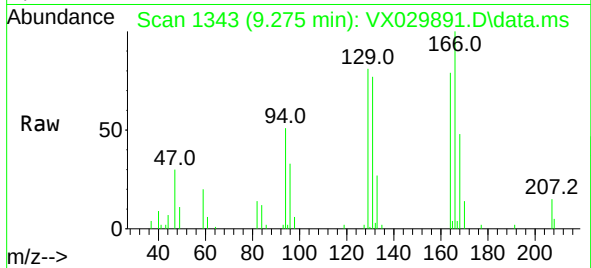




#64
Tetrachloroethene
Concen: 3.119 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029891.D
Acq: 30 Jun 2022 04:03

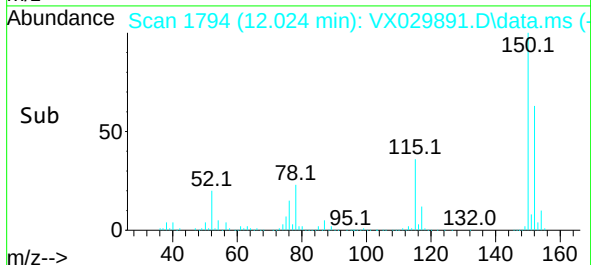
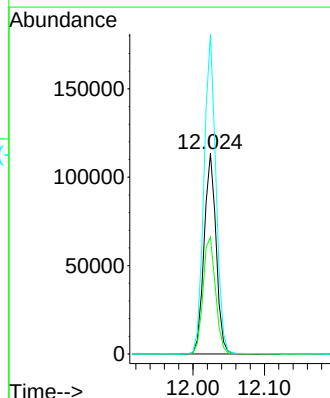
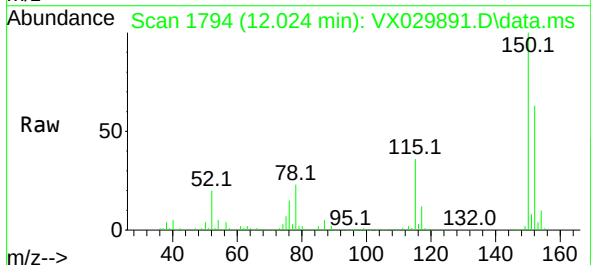
Instrument :
MSVOA_X
ClientSampleId :
MW-31

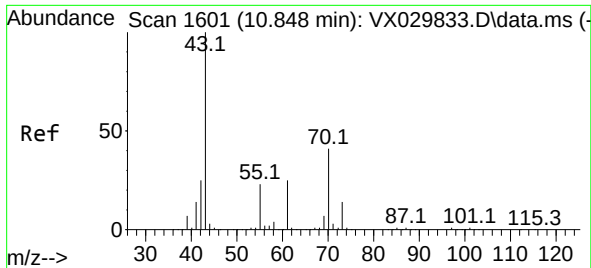
Tgt Ion:164	Resp:	6290	
Ion	Ratio	Lower	Upper
164	100		
166	126.1	98.2	147.4
129	102.2	80.8	121.2
131	97.5	75.5	113.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029891.D
Acq: 30 Jun 2022 04:03

Tgt Ion:152	Resp:	132499	
Ion	Ratio	Lower	Upper
152	100		
115	60.6	40.5	121.5
150	158.9	0.0	347.0

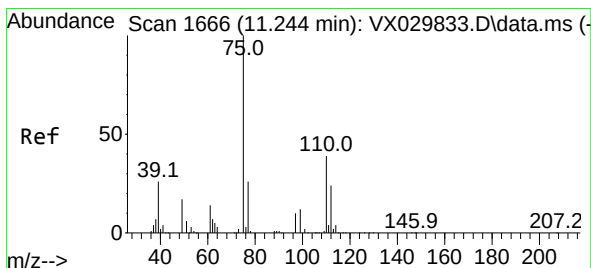
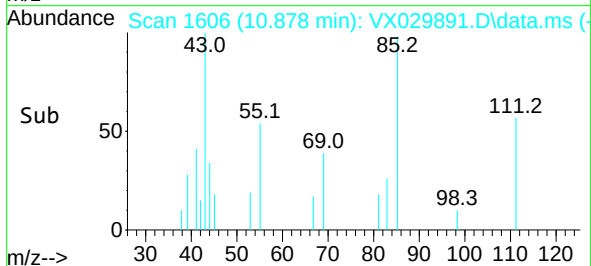
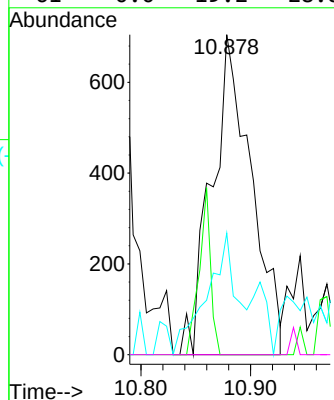
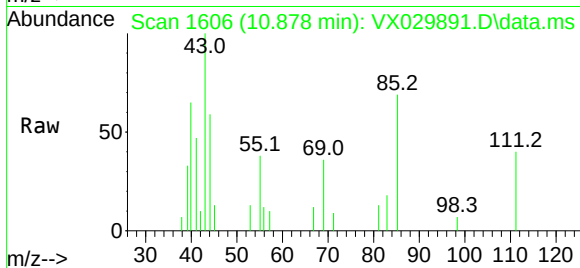




#74
N-amy1 acetate
Concen: 0.374 ug/l
RT: 10.878 min Scan# 1606
Delta R.T. 0.031 min
Lab File: VX029891.D
Acq: 30 Jun 2022 04:03

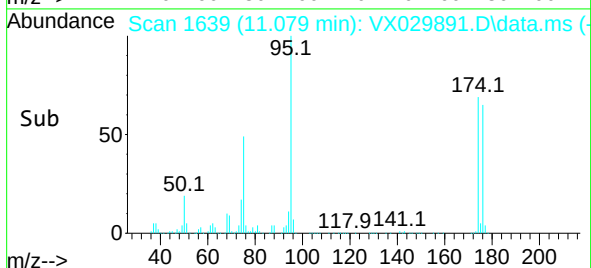
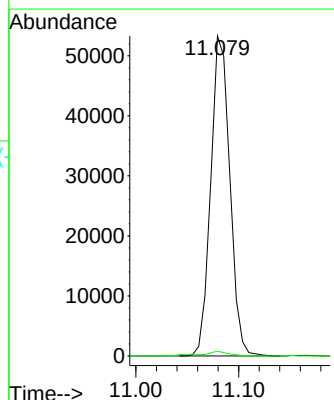
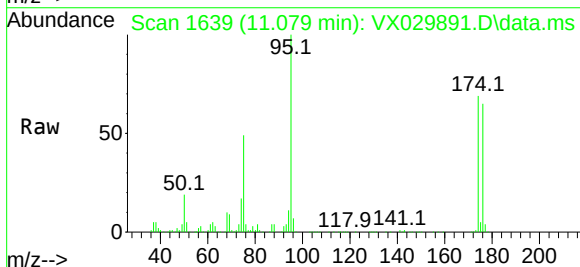
Instrument :
MSVOA_X
ClientSampleId :
MW-31

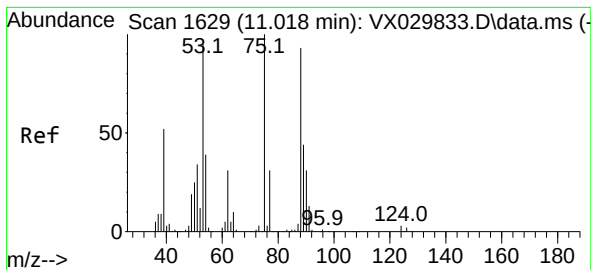
Tgt Ion: 43	Resp: 1774
Ion Ratio	Lower Upper
43	100
70	15.2 32.3 48.5#
55	28.6 18.4 27.6#
61	0.0 19.2 28.8#



#76
1,2,3-Trichloropropane
Concen: 21.716 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX029891.D
Acq: 30 Jun 2022 04:03

Tgt Ion: 75	Resp: 68880
Ion Ratio	Lower Upper
75	100
77	1.3 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.965 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029891.D
 Acq: 30 Jun 2022 04:03

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-31

Tgt Ion: 75 Resp: 68880
 Ion Ratio Lower Upper
 75 100
 53 0.4 74.2 111.4#
 89 0.0 34.8 52.2#

