

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062022\
 Data File : VX029644.D
 Acq On : 21 Jun 2022 06:32
 Operator : JC/MD
 Sample : N3354-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-51

Quant Time: Jun 21 08:48:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 20 01:31:01 2022
 Response via : Initial Calibration

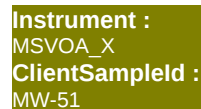
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

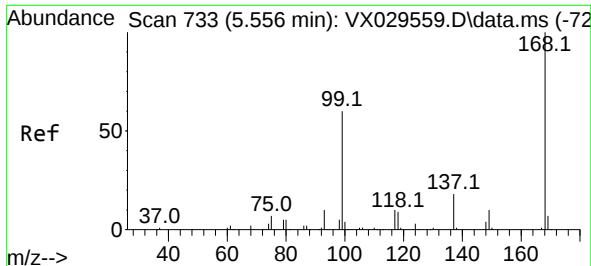
Internal Standards						
1) Pentafluorobenzene	5.556	168	274691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	467505	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	406875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	179225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	158142	43.492	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.980%
35) Dibromofluoromethane	5.391	113	138459	45.446	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.900%
50) Toluene-d8	8.653	98	528262	47.463	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.920%
62) 4-Bromofluorobenzene	11.079	95	189764	45.211	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.420%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	1550	0.433	ug/l	97
5) Bromomethane	1.618	94	587	0.349	ug/l	97
6) Chloroethane	1.685	64	347	1.423	ug/l #	43
10) Methyl Iodide	2.471	142	509	3.163	ug/l #	85
11) Tert butyl alcohol	2.983	59	1432	Below Cal	#	72
13) Acrolein	2.337	56	744	3.714	ug/l	98
16) Acetone	2.386	43	5380	3.712	ug/l	97
18) Methyl Acetate	2.782	43	8888	2.319	ug/l #	46
19) Methyl tert-butyl Ether	3.117	73	13314	1.378	ug/l	99
20) Methylene Chloride	2.788	84	749	0.232	ug/l #	83
25) 2-Butanone	4.605	43	730	0.319	ug/l #	44
31) Cyclohexane	5.483	56	3426	0.702	ug/l #	76
36) 1,1-Dichloropropene	5.550	75	20788	5.041	ug/l #	50
38) Carbon Tetrachloride	5.556	117	28637	7.062	ug/l #	16
40) Benzene	6.050	78	3476	0.284	ug/l	96
44) Trichloroethene	7.135	130	1685	Below Cal		96
51) 4-Methyl-2-Pentanone	8.647	43	2038	0.481	ug/l #	1
60) Dibromochloromethane	9.275	129	702	0.228	ug/l #	9
64) Tetrachloroethene	9.275	164	843	0.286	ug/l #	70
73) Isopropylbenzene	10.964	105	7757	0.577	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	89911	23.028	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	89911	76.609	ug/l #	15

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

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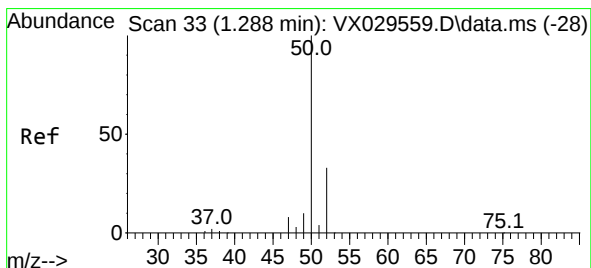
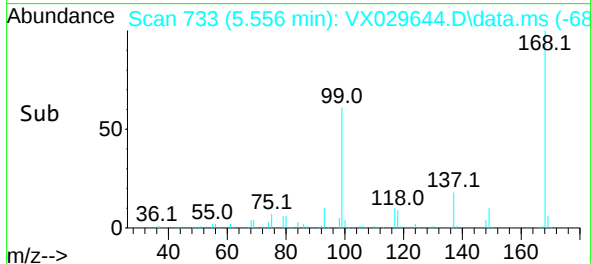
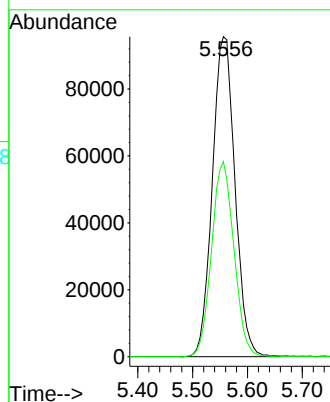
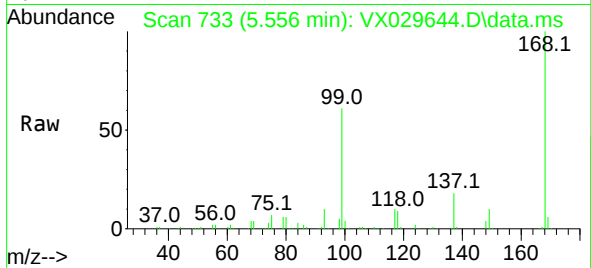




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029644.D
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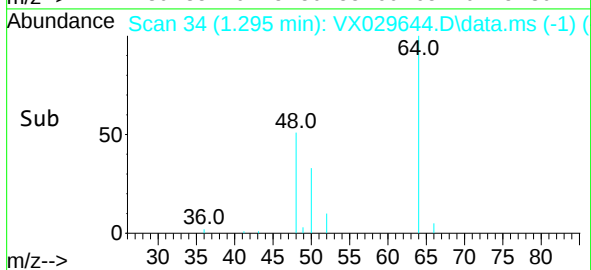
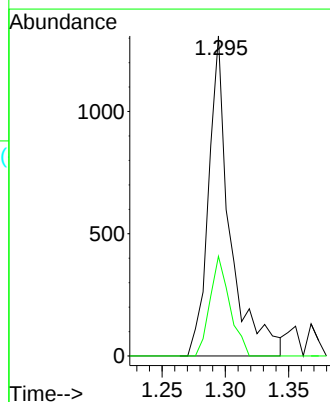
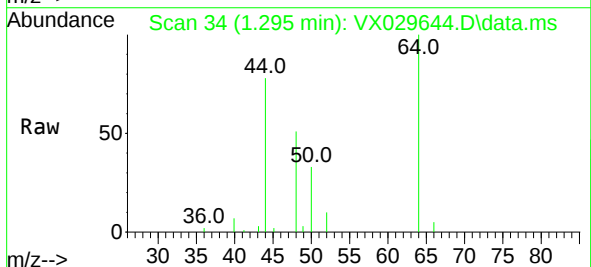
Instrument :
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ClientSampleId :
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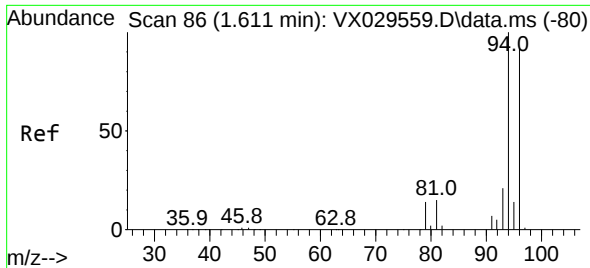
Tgt Ion:168 Resp: 274691
Ion Ratio Lower Upper
168 100
99 60.9 41.7 62.5



#3
Chloromethane
Concen: 0.433 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

Tgt Ion: 50 Resp: 1550
Ion Ratio Lower Upper
50 100
52 31.2 26.4 39.6

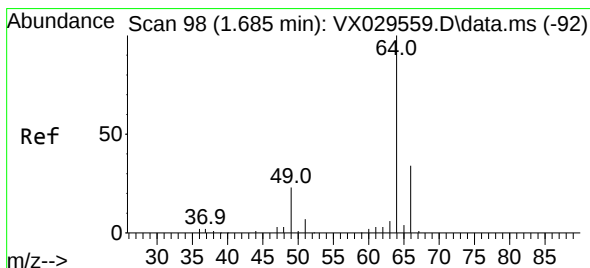
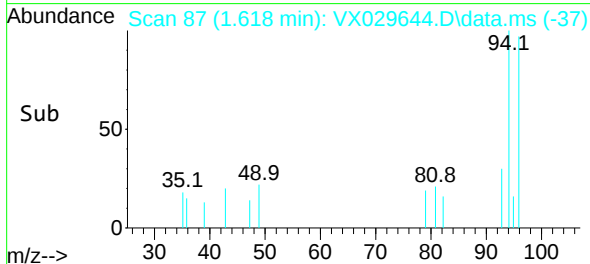
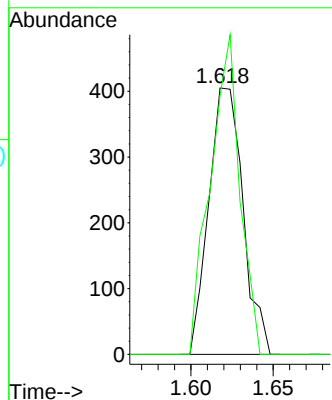
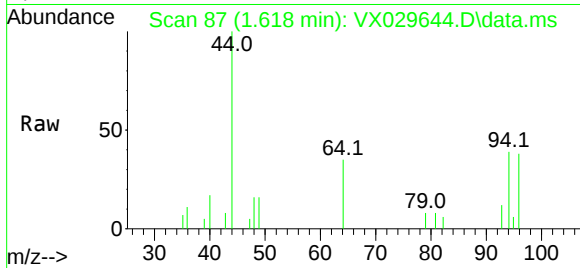




#5
Bromomethane
Concen: 0.349 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

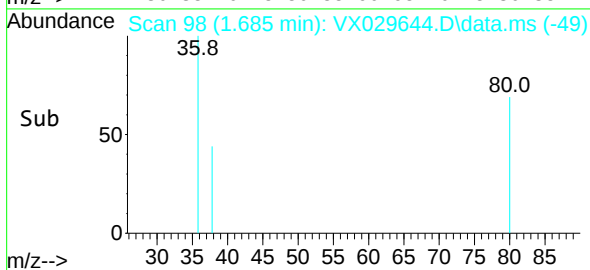
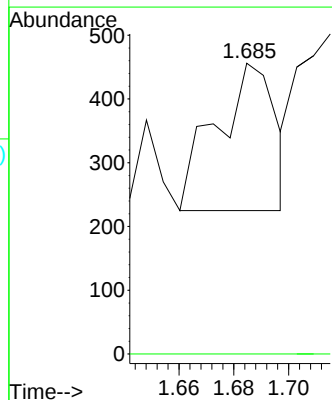
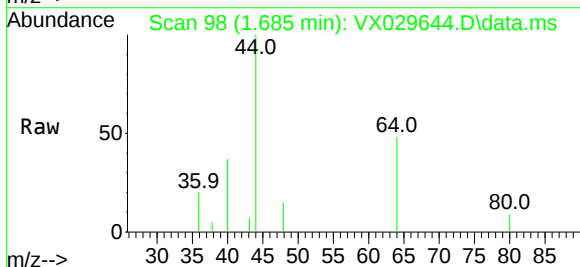
Instrument :
MSVOA_X
ClientSampleId :
MW-51

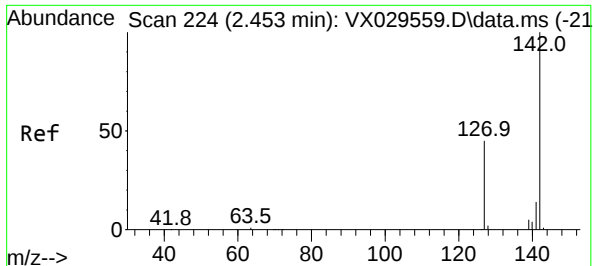
Tgt Ion: 94 Resp: 587
Ion Ratio Lower Upper
94 100
96 97.0 75.3 112.9



#6
Chloroethane
Concen: 1.423 ug/l
RT: 1.685 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

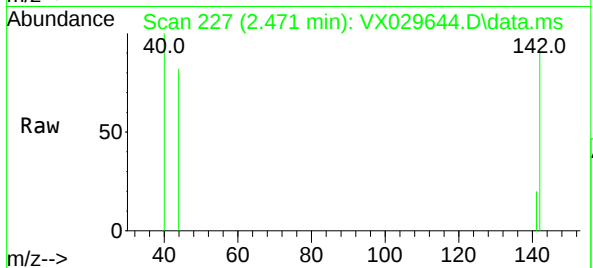
Tgt Ion: 64 Resp: 347
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



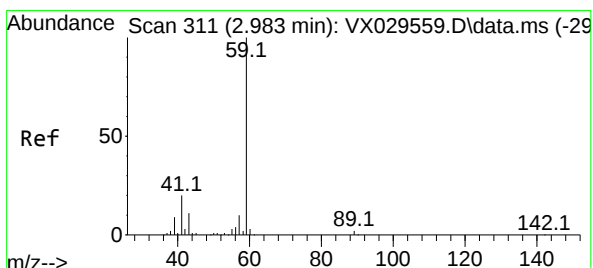
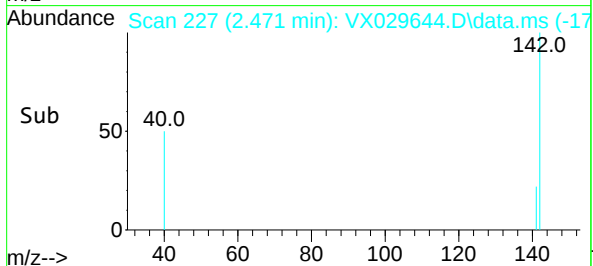
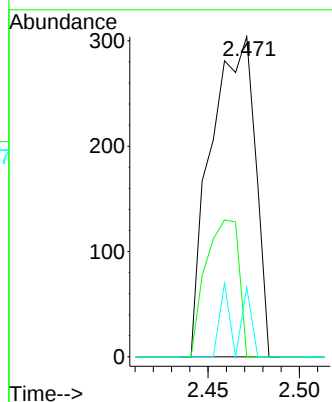


#10
Methyl Iodide
Concen: 3.163 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

Instrument :
MSVOA_X
ClientSampleId :
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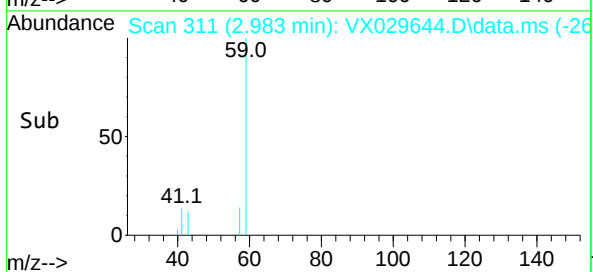
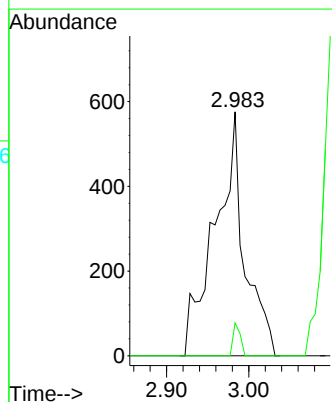
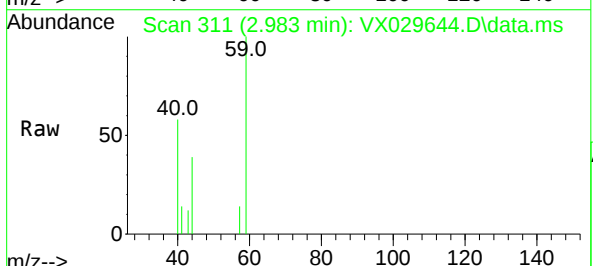


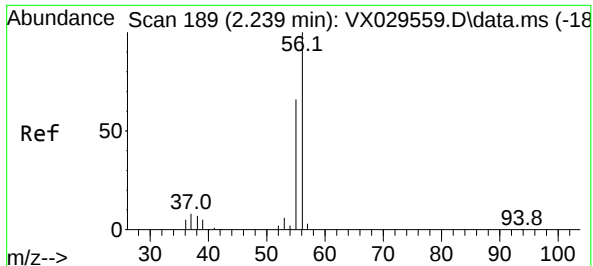
Tgt Ion:142 Resp: 509
Ion Ratio Lower Upper
142 100
127 32.0 33.9 50.9#
141 9.8 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

Tgt Ion: 59 Resp: 1432
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 3.714 ug/l

RT: 2.337 min Scan# 205

Delta R.T. 0.098 min

Lab File: VX029644.D

Acq: 21 Jun 2022 06:32

Instrument :

MSVOA_X

ClientSampleId :

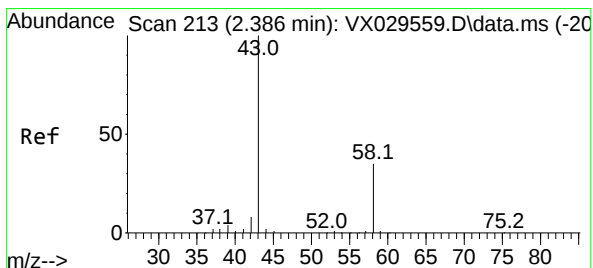
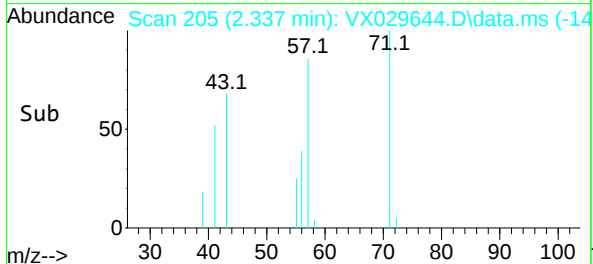
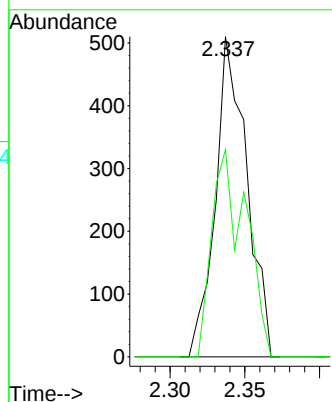
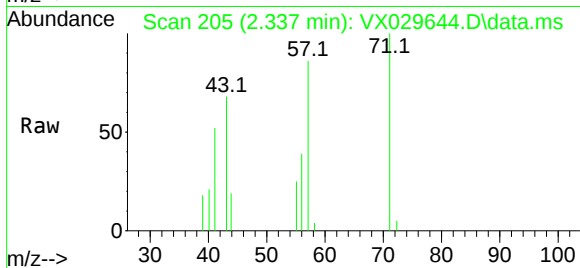
MW-51

Tgt Ion: 56 Resp: 744

Ion Ratio Lower Upper

56 100

55 70.0 55.0 82.6



#16

Acetone

Concen: 3.712 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX029644.D

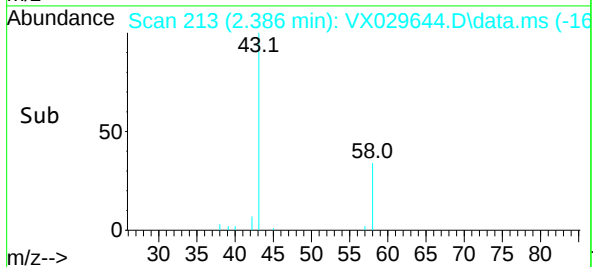
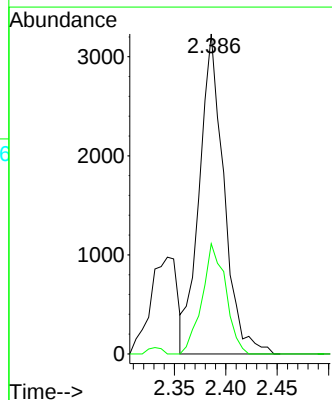
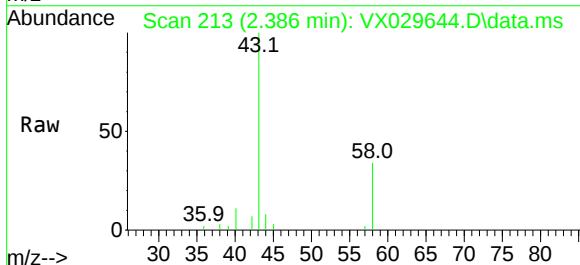
Acq: 21 Jun 2022 06:32

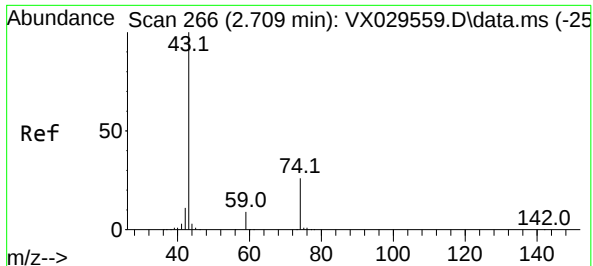
Tgt Ion: 43 Resp: 5380

Ion Ratio Lower Upper

43 100

58 34.5 28.8 43.2

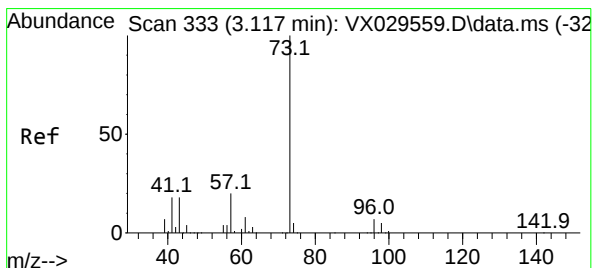
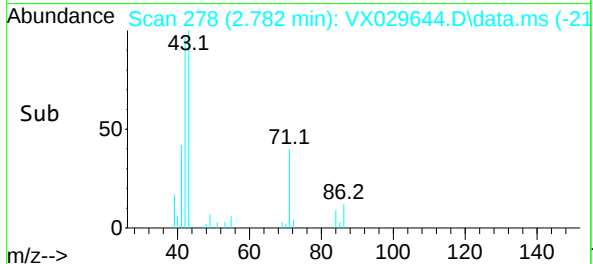
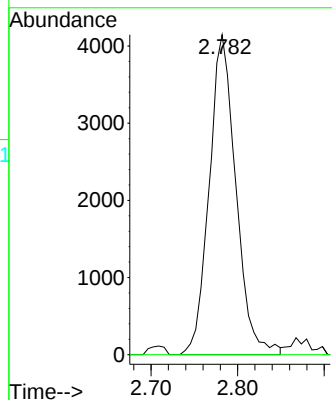
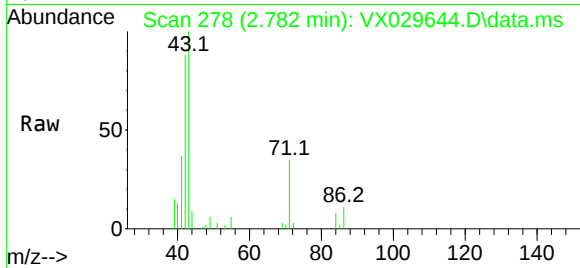




#18
Methyl Acetate
Concen: 2.319 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.073 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

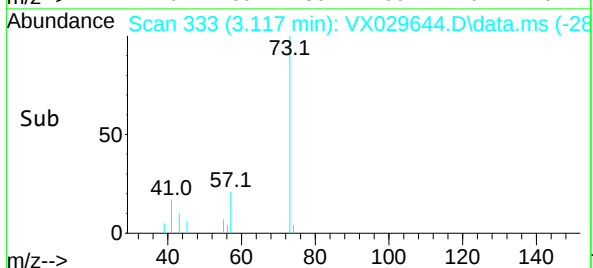
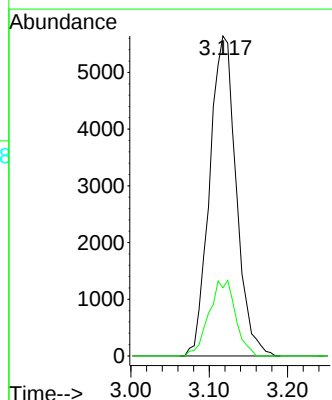
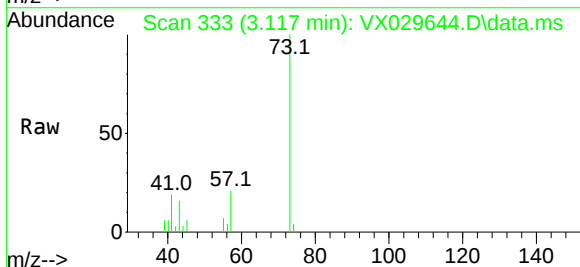
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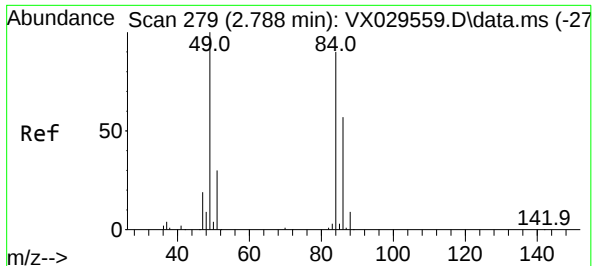
Tgt Ion: 43 Resp: 8888
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#



#19
Methyl tert-butyl Ether
Concen: 1.378 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

Tgt Ion: 73 Resp: 13314
Ion Ratio Lower Upper
73 100
57 21.3 16.8 25.2

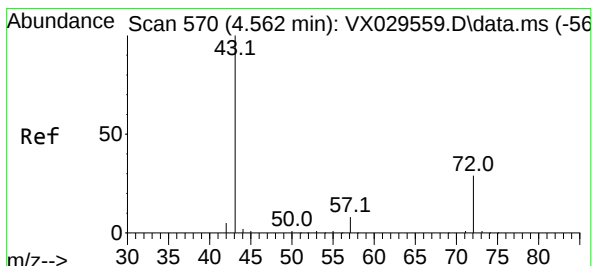
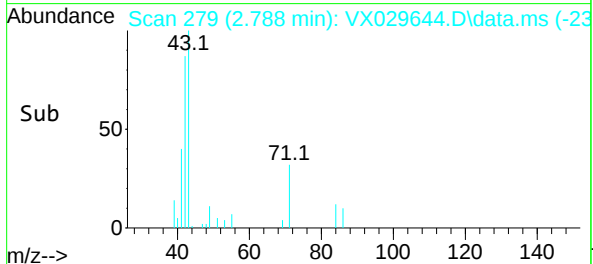
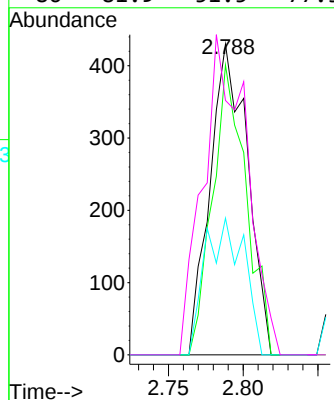
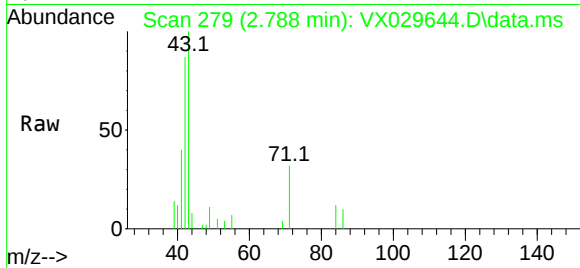




#20
Methylene Chloride
Concen: 0.232 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

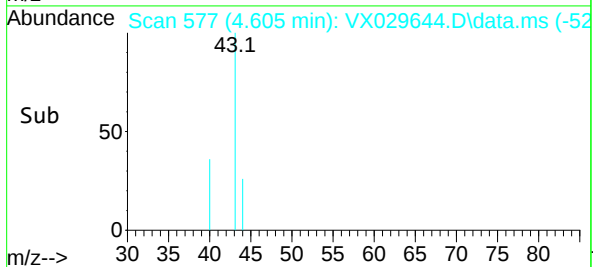
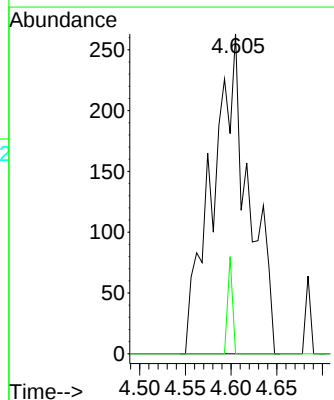
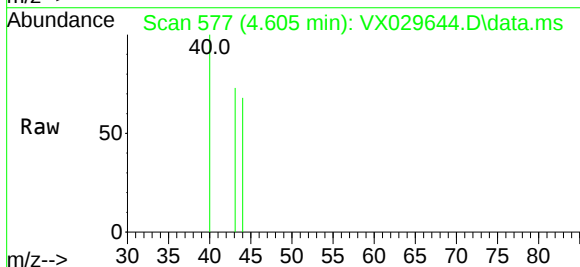
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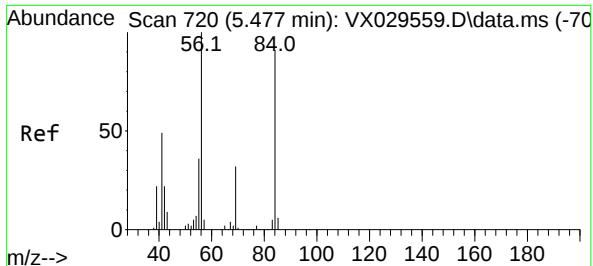
Tgt Ion:	84	Resp:	749
Ion	Ratio	Lower	Upper
84	100		
49	93.3	85.5	128.3
51	44.0	26.6	39.8#
86	81.9	51.5	77.3#



#25
2-Butanone
Concen: 0.319 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.043 min
Lab File: VX029644.D
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Tgt Ion:	43	Resp:	730
Ion	Ratio	Lower	Upper
43	100		
72	0.0	24.4	36.6#

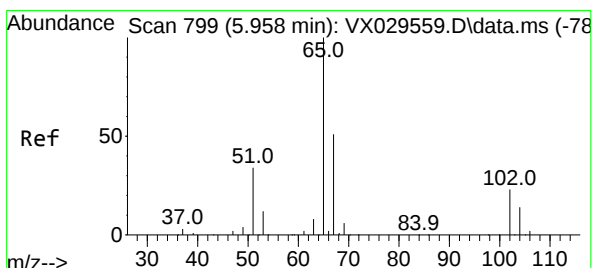
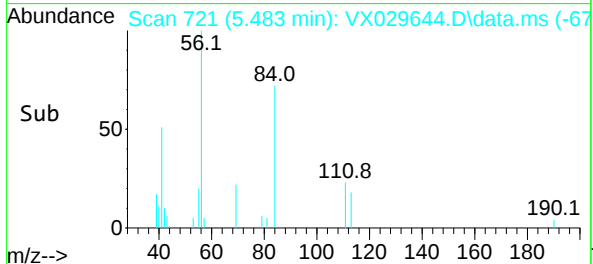
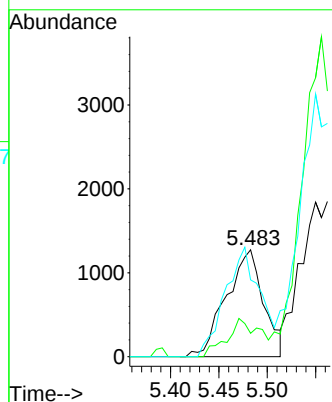
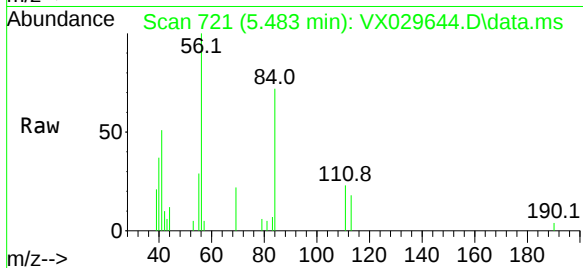




#31
Cyclohexane
Concen: 0.702 ug/l
RT: 5.483 min Scan# 721
Delta R.T. 0.006 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

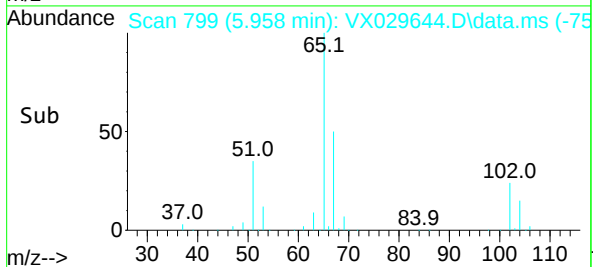
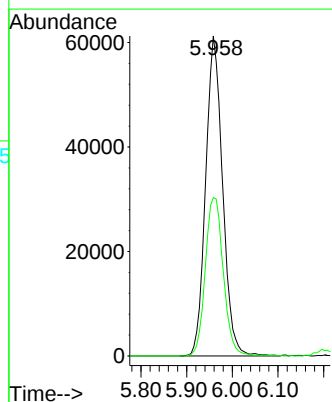
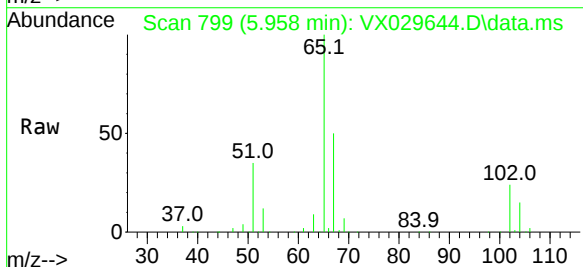
Instrument :
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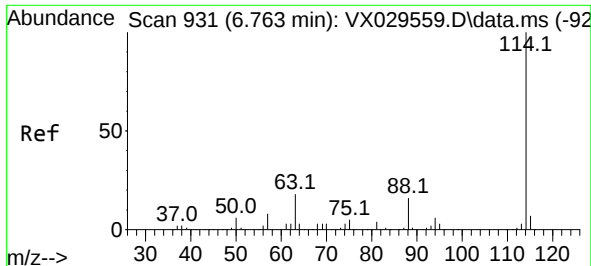
Tgt Ion: 56 Resp: 3426
Ion Ratio Lower Upper
56 100
69 21.9 26.7 40.1#
84 71.8 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 43.492 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

Tgt Ion: 65 Resp: 158142
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.4

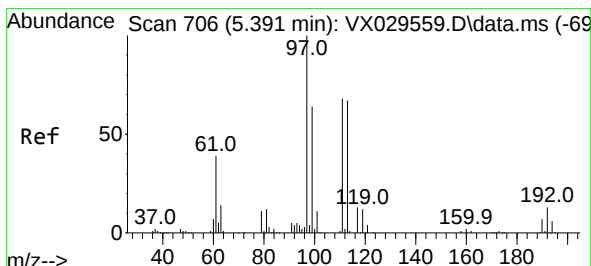
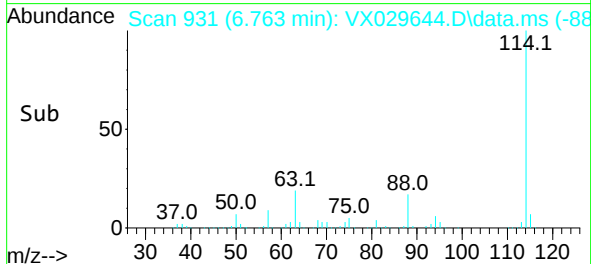
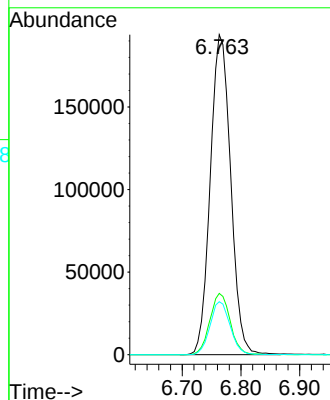
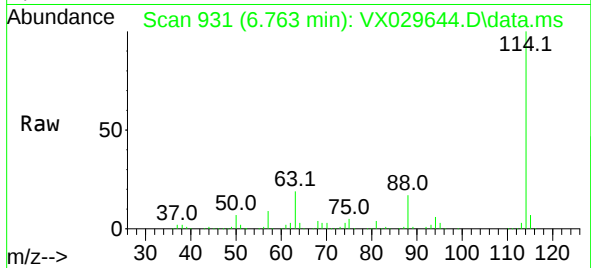




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

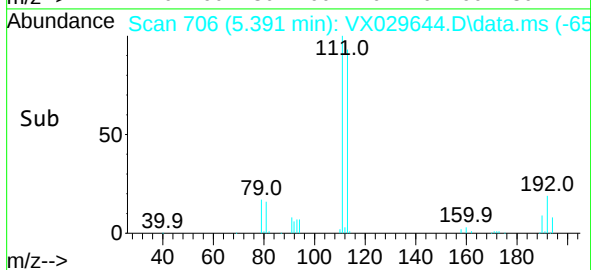
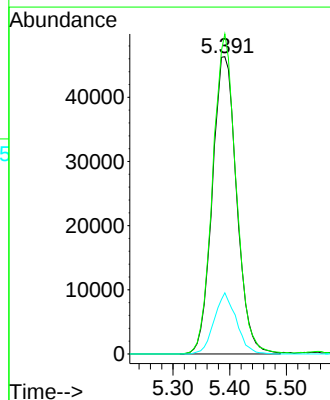
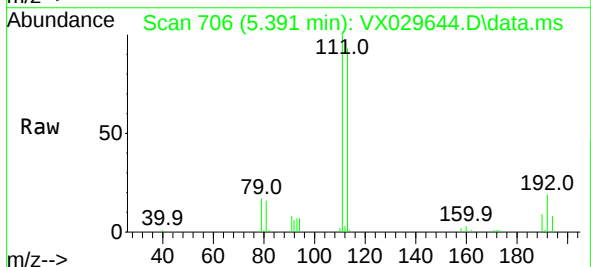
Instrument :
MSVOA_X
ClientSampleId :
MW-51

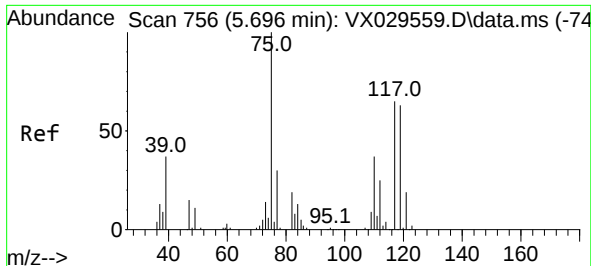
Tgt Ion:114 Resp: 467505
Ion Ratio Lower Upper
114 100
63 19.2 0.0 36.8
88 16.6 0.0 32.4



#35
Dibromofluoromethane
Concen: 45.446 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

Tgt Ion:113 Resp: 138459
Ion Ratio Lower Upper
113 100
111 103.5 82.8 124.2
192 18.7 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.041 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX029644.D

Acq: 21 Jun 2022 06:32

Instrument :

MSVOA_X

ClientSampleId :

MW-51

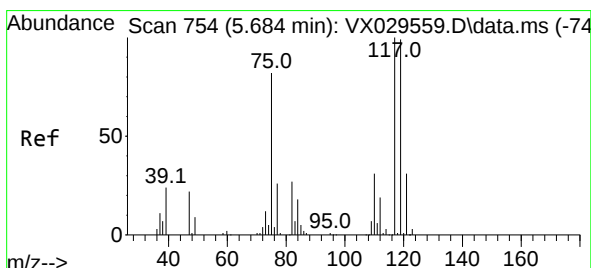
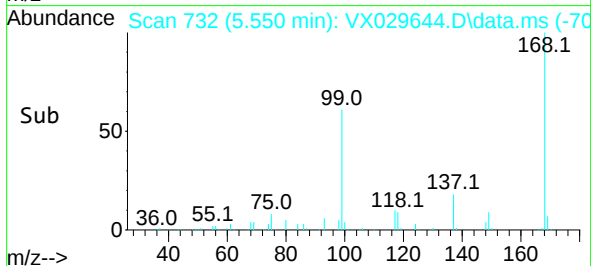
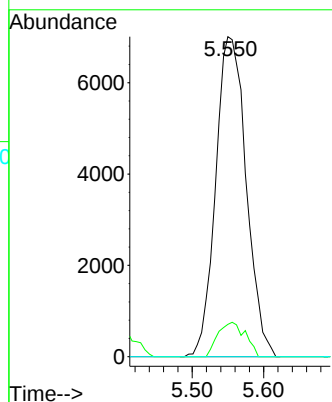
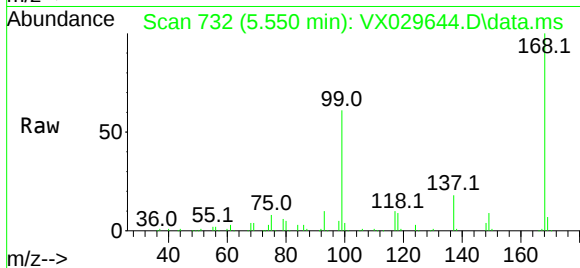
Tgt Ion: 75 Resp: 20788

Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.062 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX029644.D

Acq: 21 Jun 2022 06:32

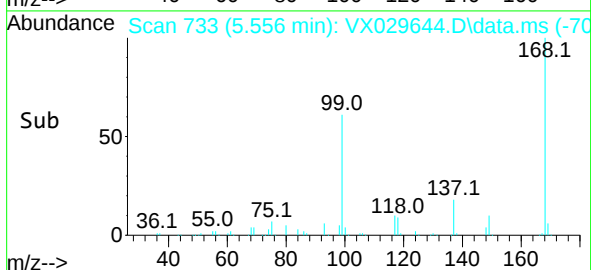
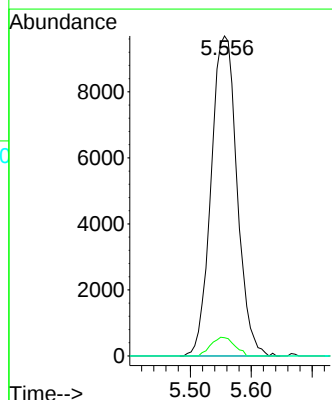
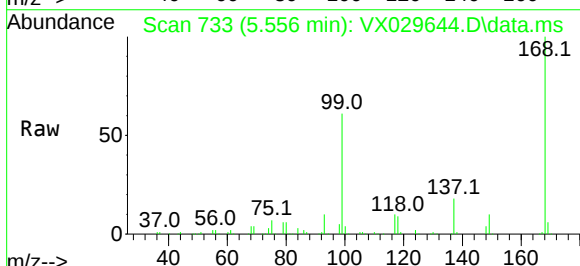
Tgt Ion: 117 Resp: 28637

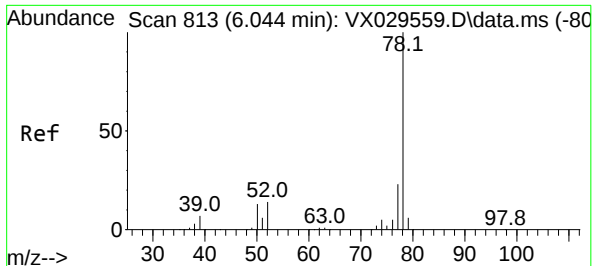
Ion Ratio Lower Upper

117 100

119 5.7 77.3 115.9#

121 0.0 24.2 36.2#





#40

Benzene

Concen: 0.284 ug/l

RT: 6.050 min Scan# 813

Delta R.T. 0.006 min

Lab File: VX029644.D

Acq: 21 Jun 2022 06:32

Instrument :

MSVOA_X

ClientSampleId :

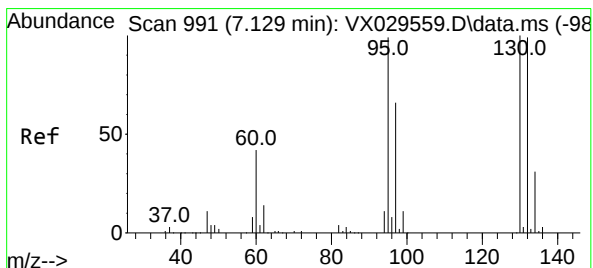
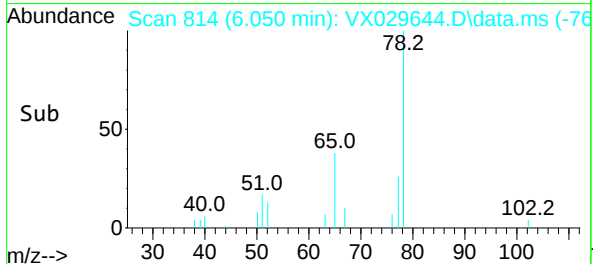
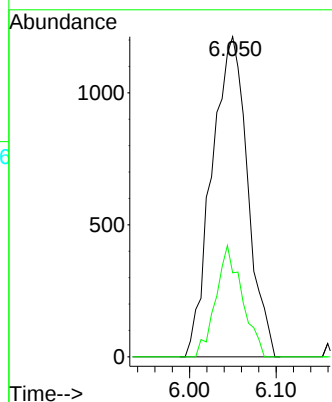
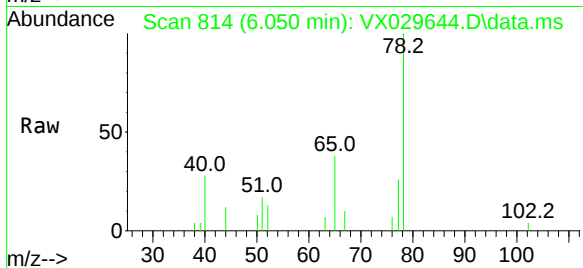
MW-51

Tgt Ion: 78 Resp: 3476

Ion Ratio Lower Upper

78 100

77 26.2 19.3 28.9



#44

Trichloroethene

Concen: Below Cal

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX029644.D

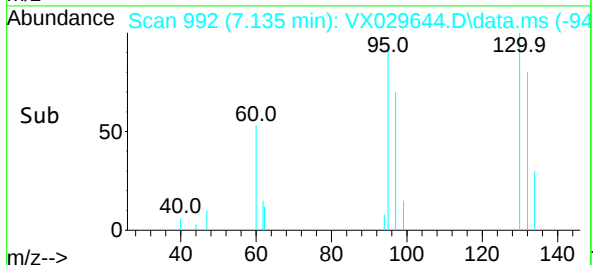
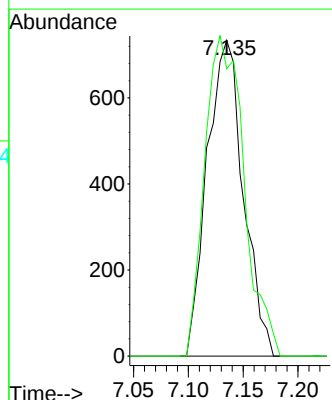
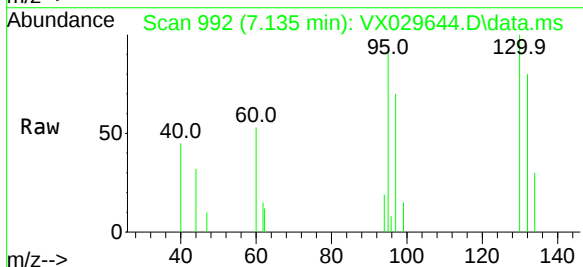
Acq: 21 Jun 2022 06:32

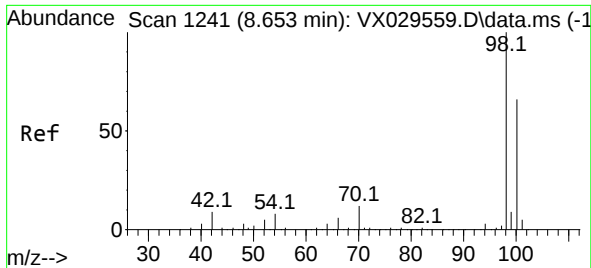
Tgt Ion:130 Resp: 1685

Ion Ratio Lower Upper

130 100

95 91.0 0.0 188.8

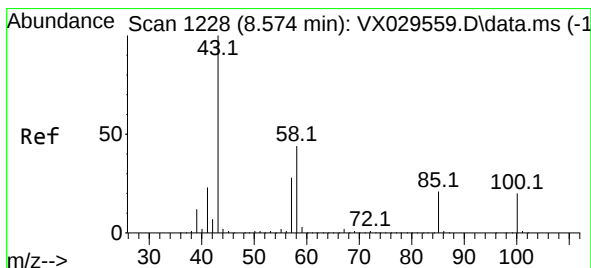
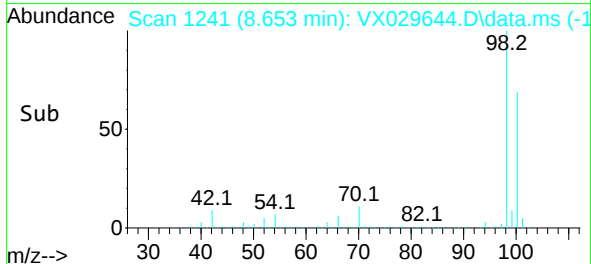
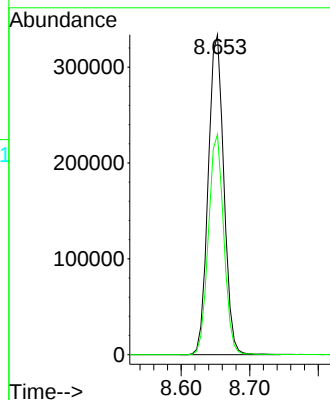
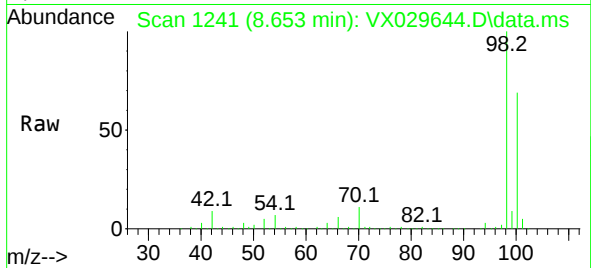




#50
Toluene-d8
Concen: 47.463 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

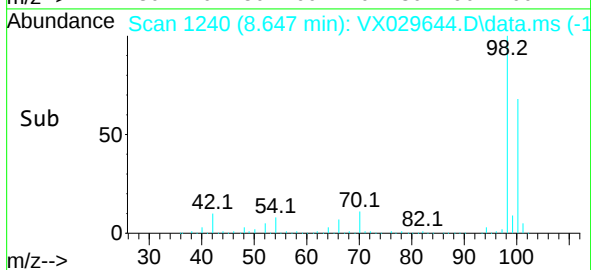
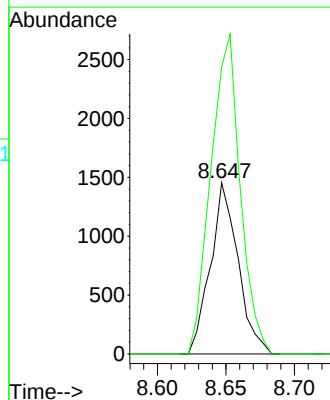
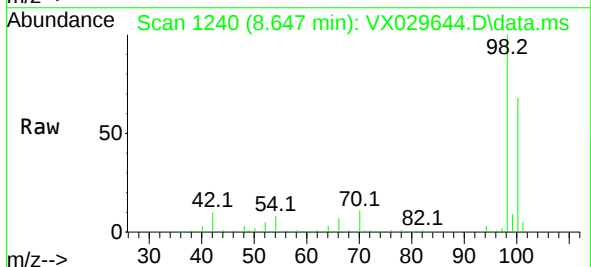
Instrument :
MSVOA_X
ClientSampleId :
MW-51

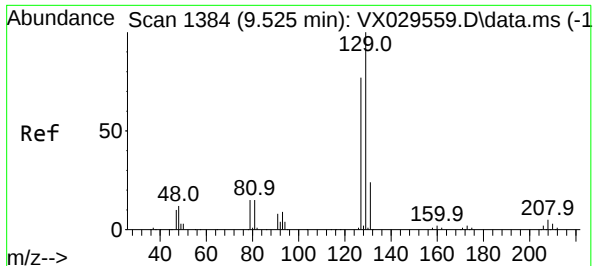
Tgt Ion: 98 Resp: 528262
Ion Ratio Lower Upper
98 100
100 67.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.481 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

Tgt Ion: 43 Resp: 2038
Ion Ratio Lower Upper
43 100
58 199.2 36.1 54.1#

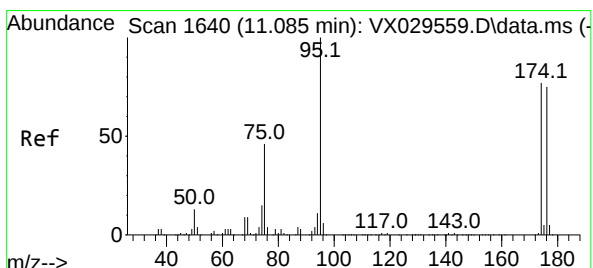
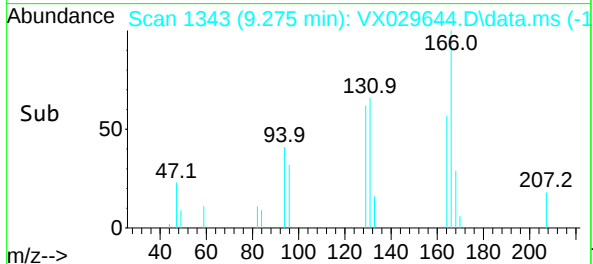
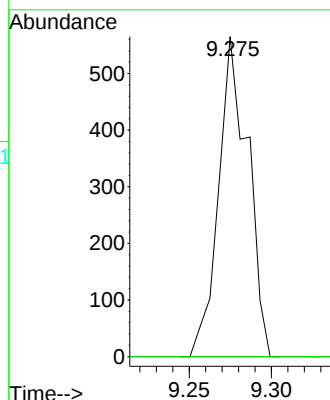
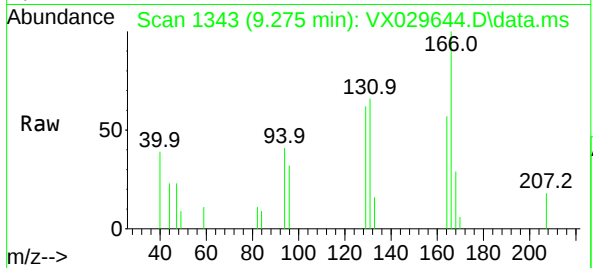




#60
Dibromochloromethane
Concen: 0.228 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

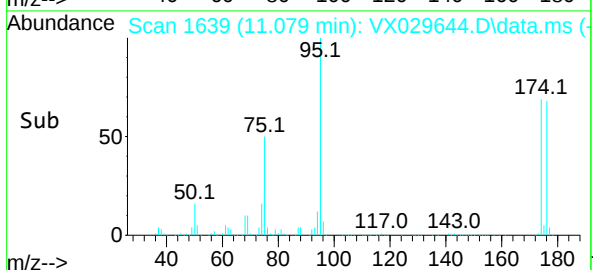
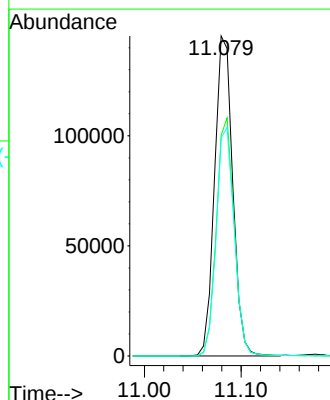
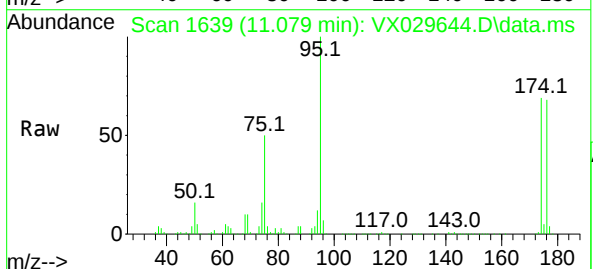
Instrument :
MSVOA_X
ClientSampleId :
MW-51

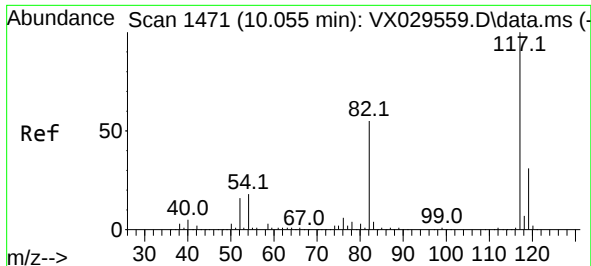
Tgt Ion:129 Resp: 702
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#



#62
4-Bromofluorobenzene
Concen: 45.211 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

Tgt Ion: 95 Resp: 189764
Ion Ratio Lower Upper
95 100
174 73.0 0.0 163.0
176 70.9 0.0 155.0

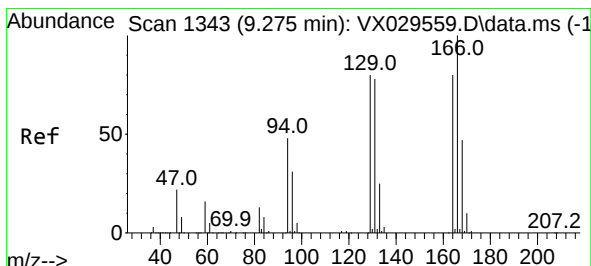
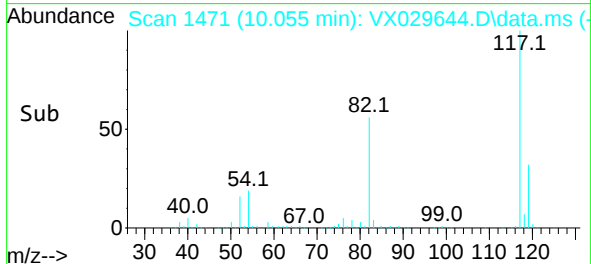
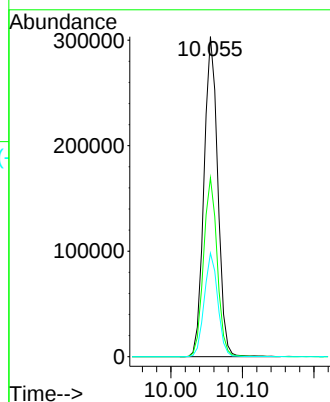
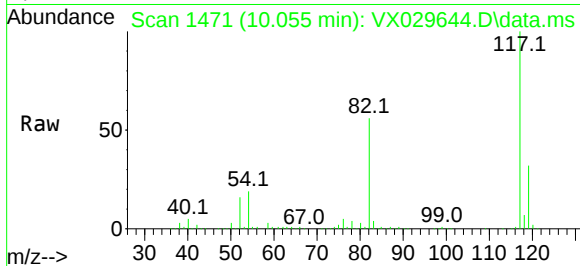




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

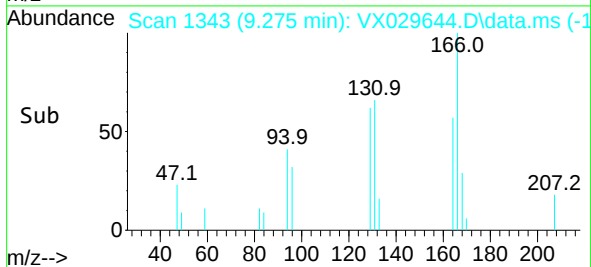
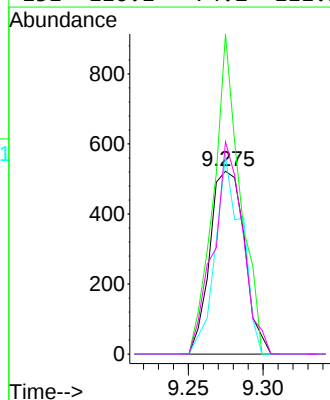
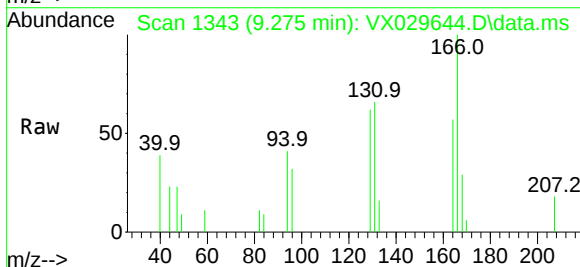
Instrument :
MSVOA_X
ClientSampleId :
MW-51

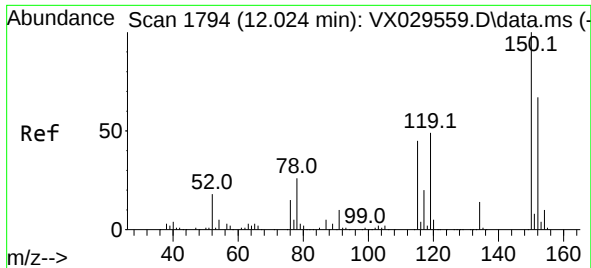
Tgt Ion:117 Resp: 406875
Ion Ratio Lower Upper
117 100
82 55.9 41.8 62.8
119 32.4 24.8 37.2



#64
Tetrachloroethene
Concen: 0.286 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

Tgt Ion:164 Resp: 843
Ion Ratio Lower Upper
164 100
166 175.1 101.2 151.8#
129 108.2 73.0 109.4
131 116.1 74.2 111.2#

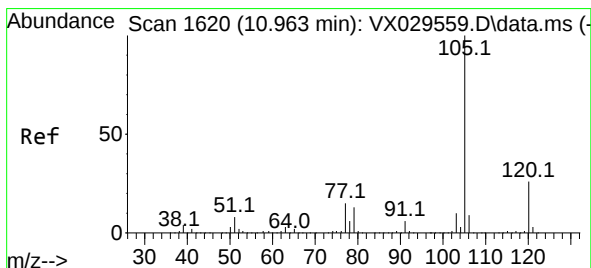
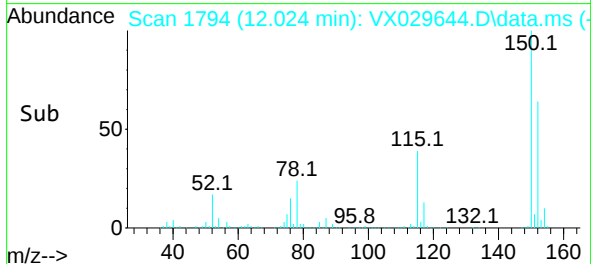
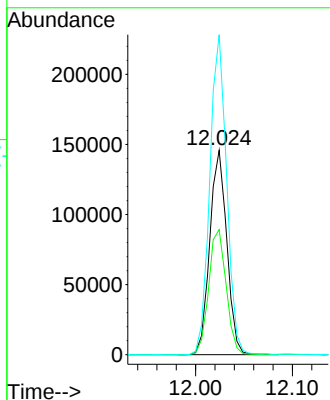
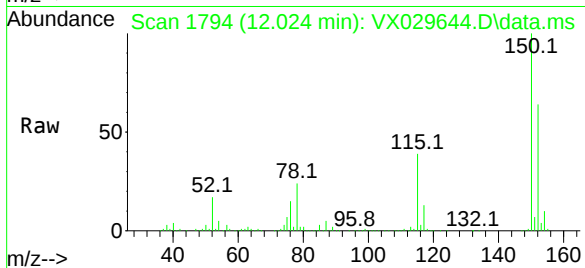




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

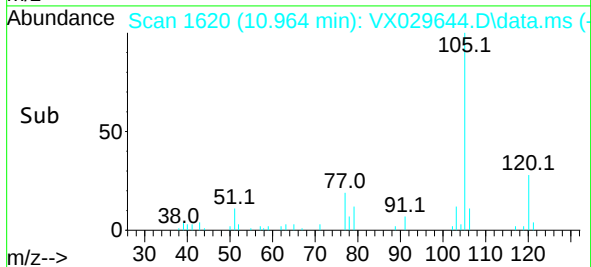
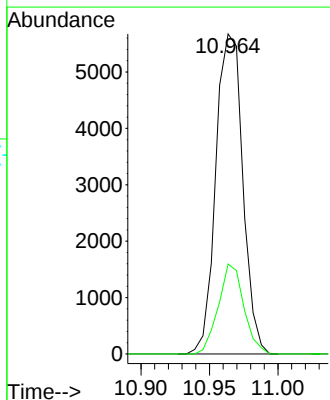
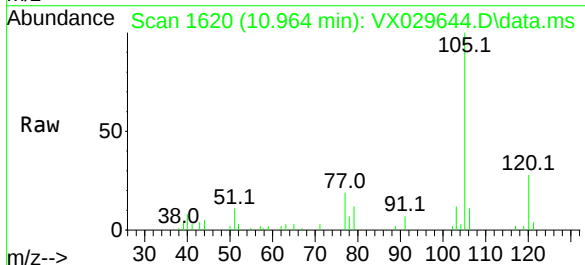
Instrument :
MSVOA_X
ClientSampleId :
MW-51

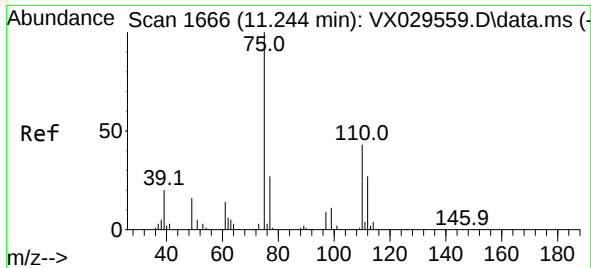
Tgt Ion:152 Resp: 179225
Ion Ratio Lower Upper
152 100
115 62.6 37.5 112.7
150 155.0 0.0 338.2



#73
Isopropylbenzene
Concen: 0.577 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

Tgt Ion:105 Resp: 7757
Ion Ratio Lower Upper
105 100
120 26.6 13.5 40.5

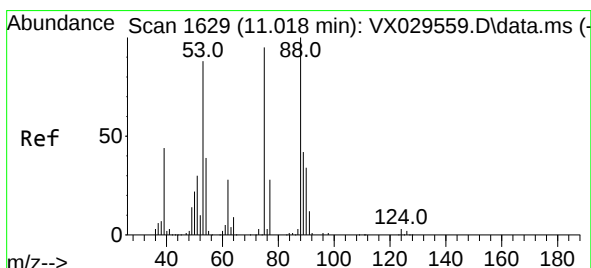
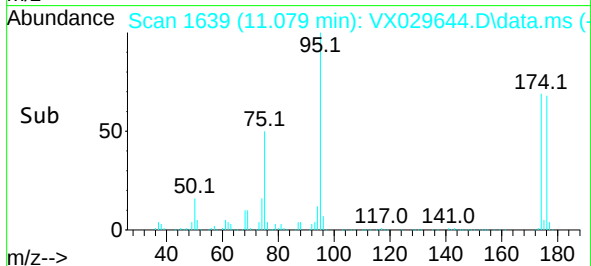
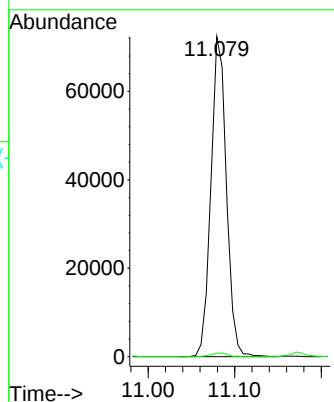
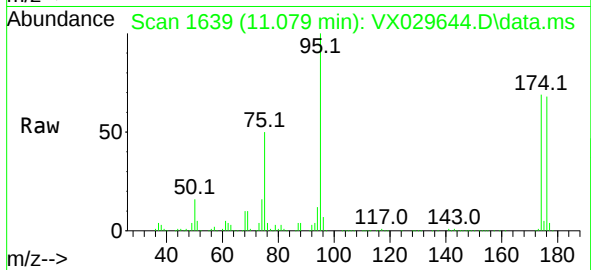




#76
1,2,3-Trichloropropane
Concen: 23.028 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

Instrument :
MSVOA_X
ClientSampleId :
MW-51

Tgt Ion: 75 Resp: 89911
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.609 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029644.D
Acq: 21 Jun 2022 06:32

Tgt Ion: 75 Resp: 89911
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

