

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101321\
 Data File : VX024793.D
 Acq On : 13 Oct 2021 19:11
 Operator : JC/MD
 Sample : M4169-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SW-RR-03-(SA)RE

Quant Time: Oct 14 03:57:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 14 03:51:38 2021
 Response via : Initial Calibration

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

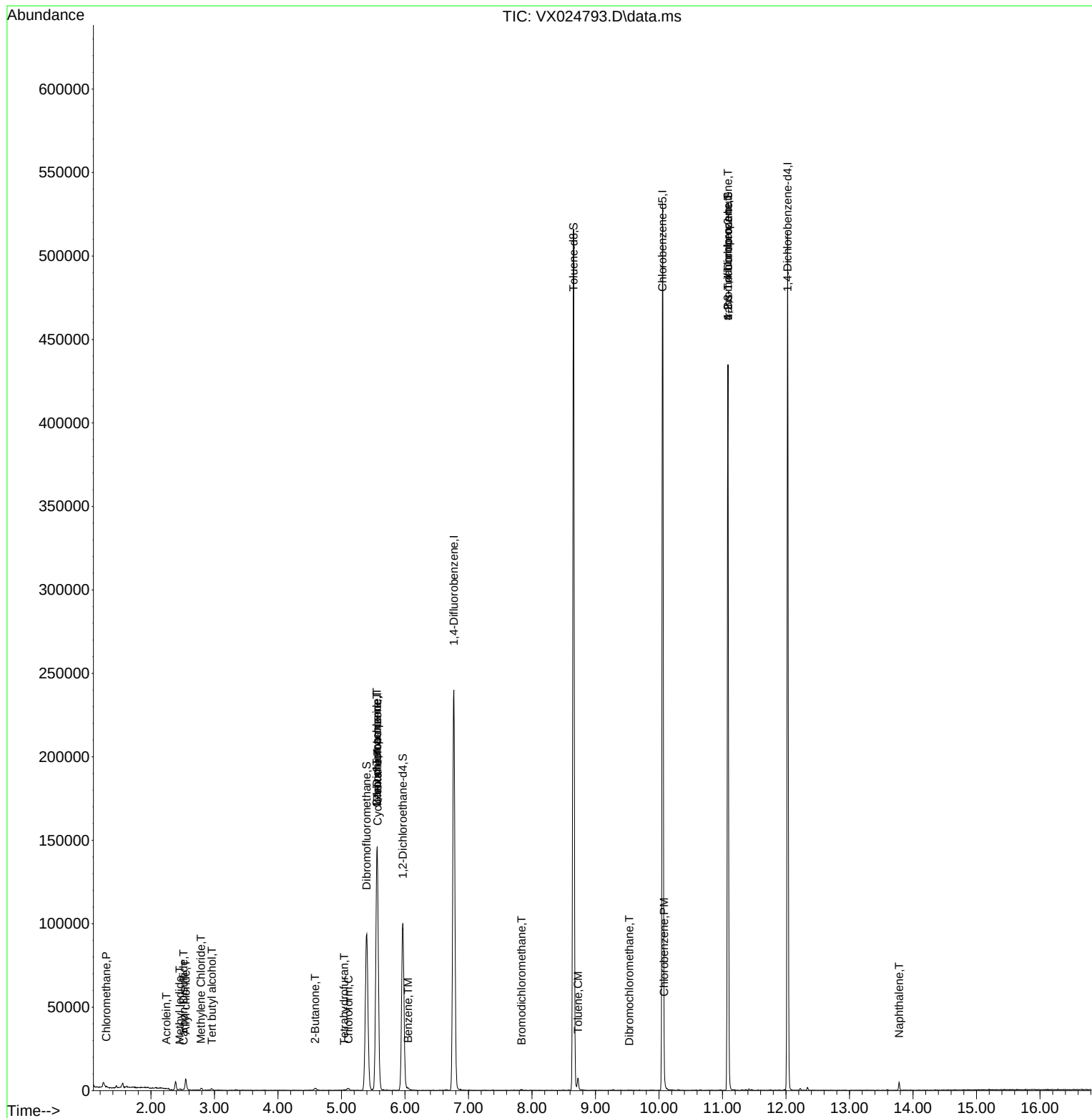
Internal Standards						
1) Pentafluorobenzene	5.562	168	135412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	238474	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	103030	61.905	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 123.800%#			
35) Dibromofluoromethane	5.397	113	82276	57.954	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.900%			
50) Toluene-d8	8.653	98	296114	56.387	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 112.780%#			
62) 4-Bromofluorobenzene	11.085	95	112760	54.595	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.180%			
Target Compounds					Qvalue	
3) Chloromethane	1.295	50	480	0.382	ug/l #	70
5) Bromomethane	1.618	94	331	Below Cal		91
10) Methyl Iodide	2.453	142	623	1.287	ug/l #	91
11) Tert butyl alcohol	2.959	59	715	2.038	ug/l #	72
13) Acrolein	2.239	56	61	0.419	ug/l #	12
14) Allyl chloride	2.544	41	661	0.310	ug/l #	46
16) Acetone	2.386	43	5285	Below Cal		89
17) Carbon Disulfide	2.514	76	629	0.204	ug/l #	76
20) Methylene Chloride	2.788	84	569	0.403	ug/l	84
25) 2-Butanone	4.587	43	344	0.290	ug/l #	48
29) Tetrahydrofuran	5.044	42	202	0.268	ug/l #	32
30) Chloroform	5.111	83	1564	0.587	ug/l #	72
31) Cyclohexane	5.568	56	2683	1.210	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10810	5.122	ug/l #	47
38) Carbon Tetrachloride	5.556	117	14660	6.200	ug/l #	16
40) Benzene	6.050	78	1394	0.230	ug/l	92
47) Bromodichloromethane	7.836	83	495	0.229	ug/l #	47
52) Toluene	8.726	92	2648	0.675	ug/l	97
59) 2-Hexanone	9.244	43	19	Below Cal	#	25
60) Dibromochloromethane	9.531	129	130	0.856	ug/l #	11
65) Chlorobenzene	10.080	112	1258	0.274	ug/l #	84
70) Styrene	10.665	104	30	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.085	75	58314	26.890	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	58314	72.383	ug/l #	9
95) Naphthalene	13.780	128	3204	0.690	ug/l #	95

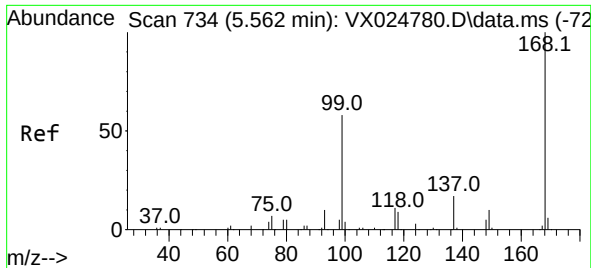
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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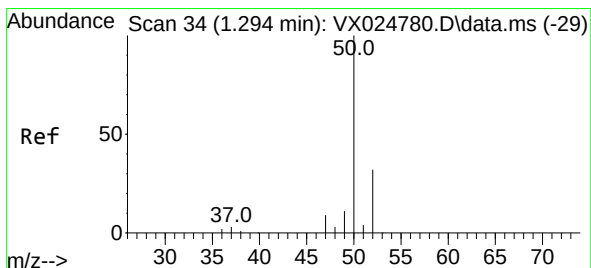
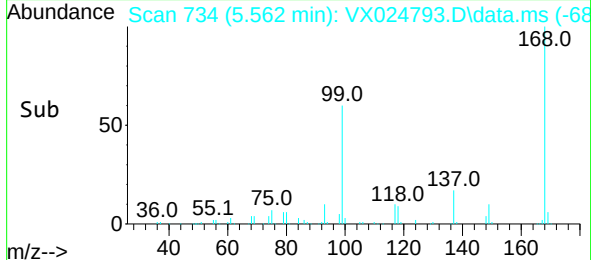
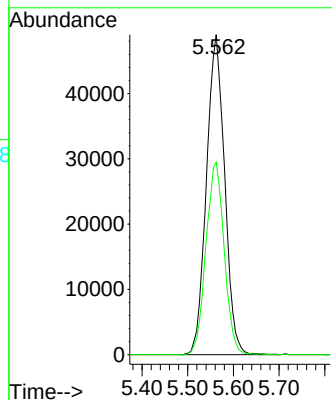
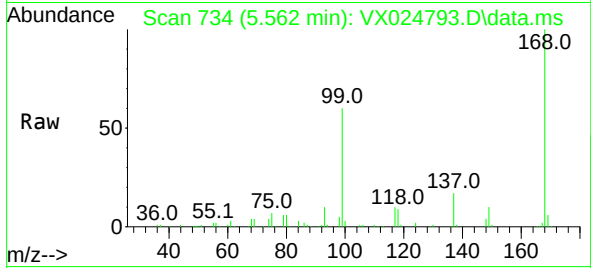




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

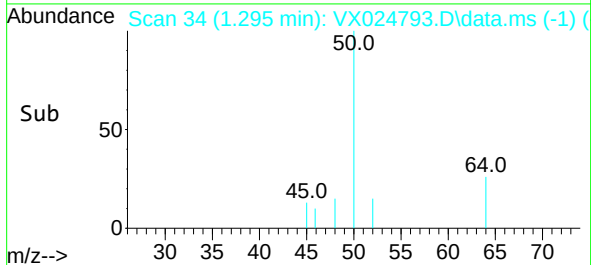
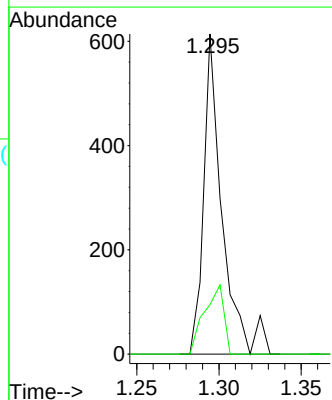
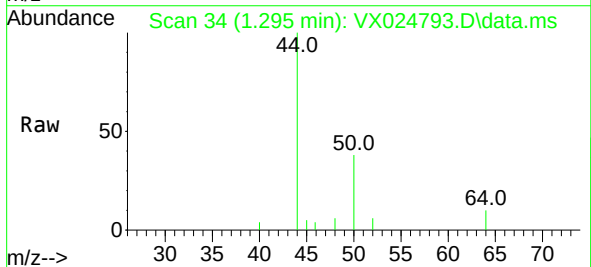
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-03-(SA)RE

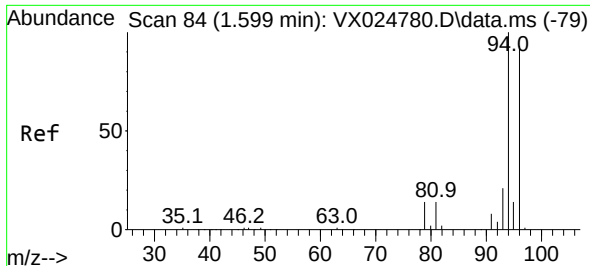
Tgt Ion:168 Resp: 135412
Ion Ratio Lower Upper
168 100
99 60.1 46.4 69.6



#3
Chloromethane
Concen: 0.382 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

Tgt Ion: 50 Resp: 480
Ion Ratio Lower Upper
50 100
52 15.5 25.9 38.9#

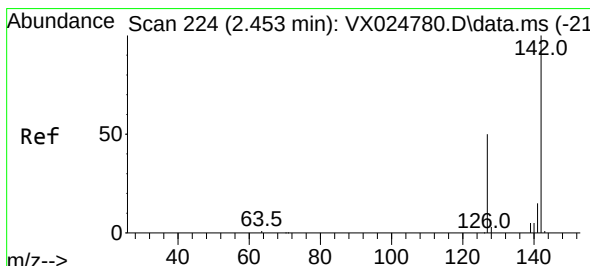
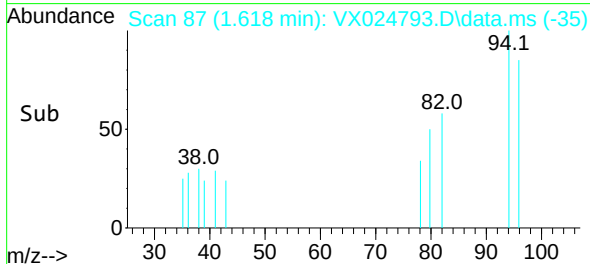
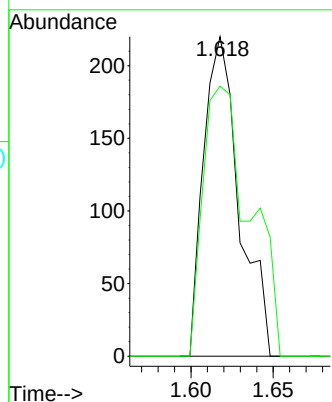
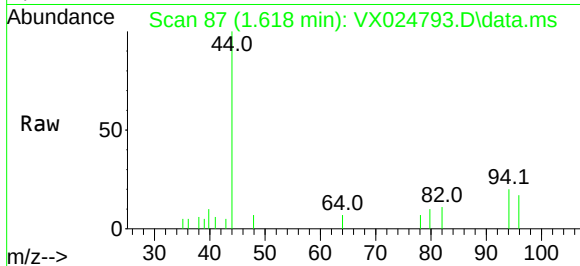




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

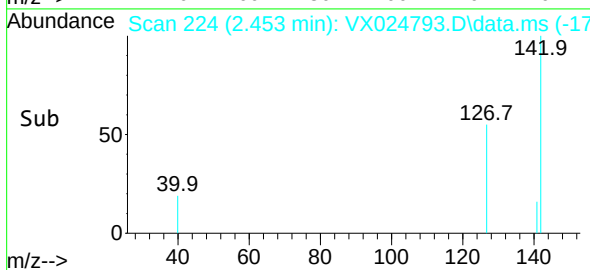
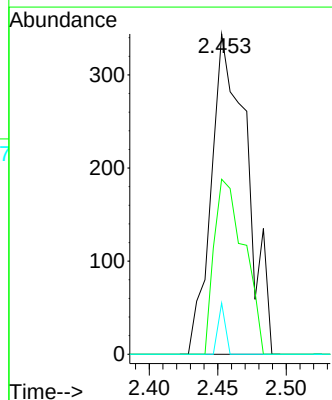
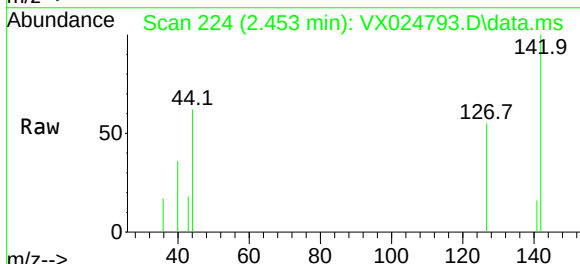
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-03-(SA)RE

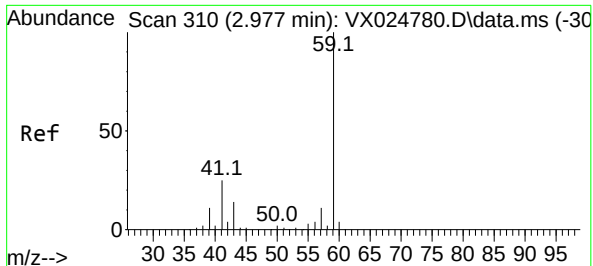
Tgt Ion: 94 Resp: 331
Ion Ratio Lower Upper
94 100
96 84.5 74.8 112.2



#10
Methyl Iodide
Concen: 1.287 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

Tgt Ion: 142 Resp: 623
Ion Ratio Lower Upper
142 100
127 45.9 38.9 58.3
141 3.2 11.7 17.5#

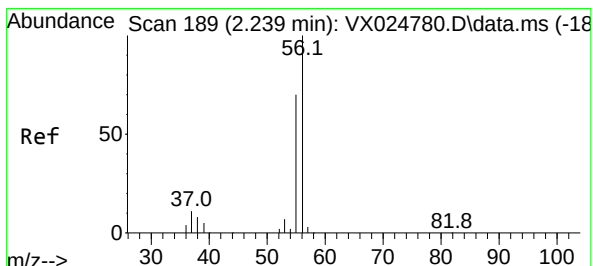
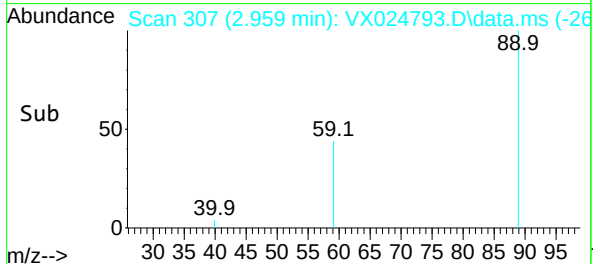
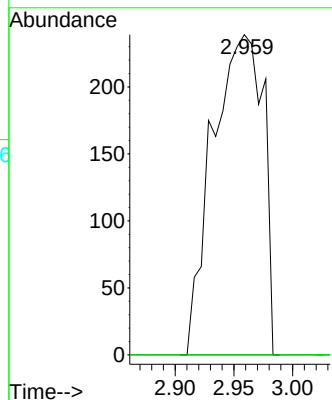
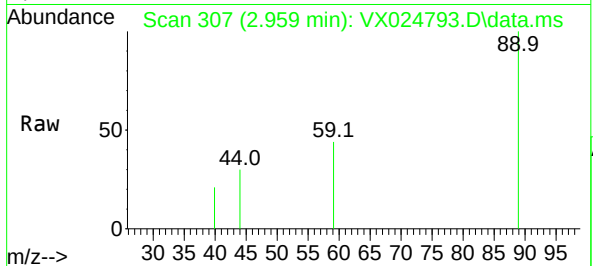




#11
Tert butyl alcohol
Concen: 2.038 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

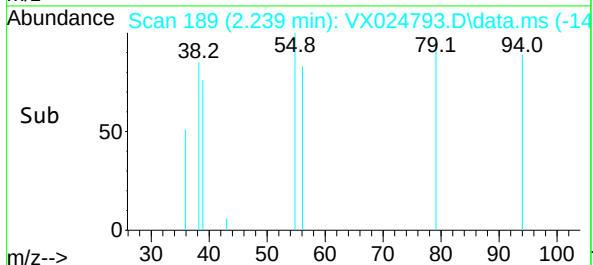
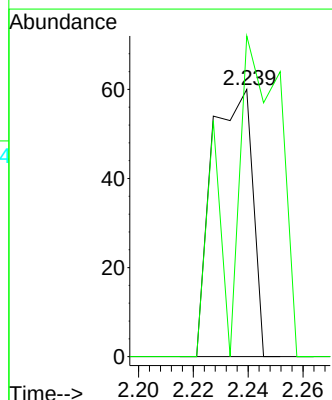
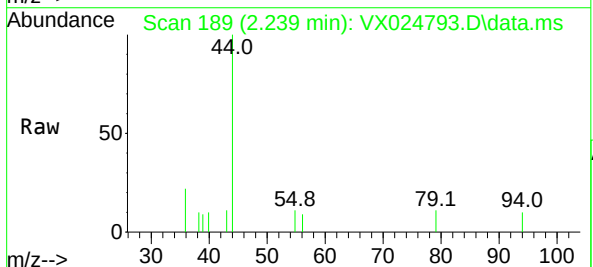
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-03-(SA)RE

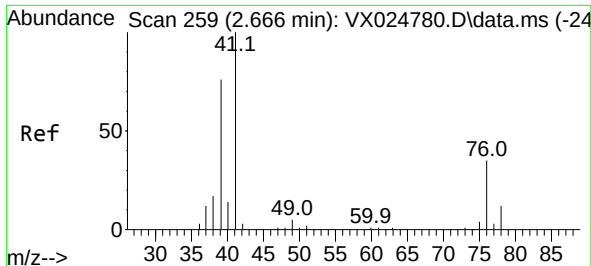
Tgt Ion: 59 Resp: 715
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.419 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 147.5 58.6 87.8#

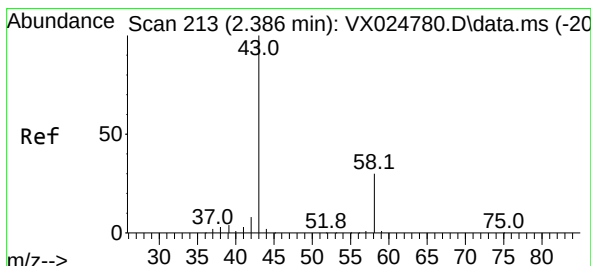
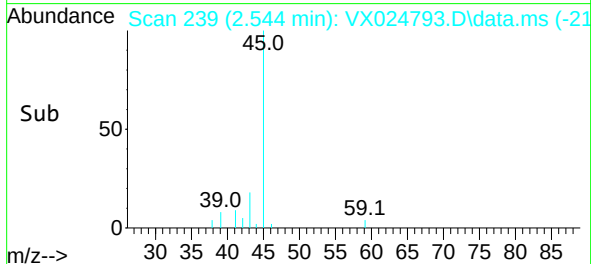
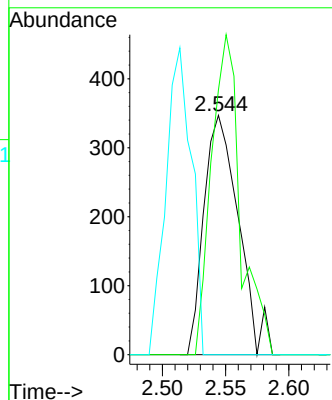
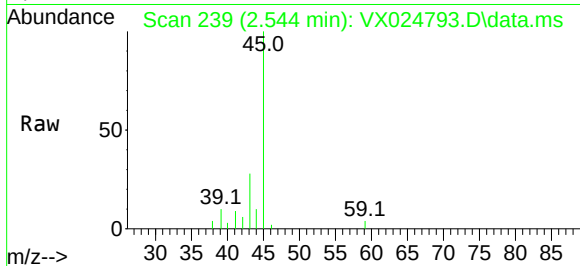




#14
Allyl chloride
Concen: 0.310 ug/l
RT: 2.544 min Scan# 239
Delta R.T. -0.122 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

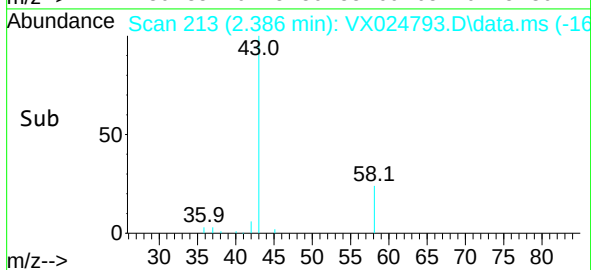
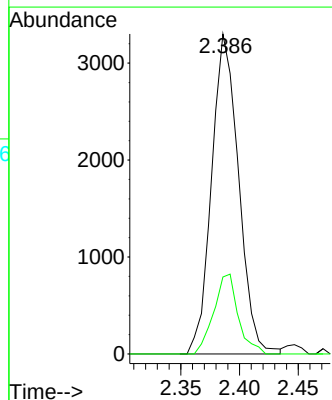
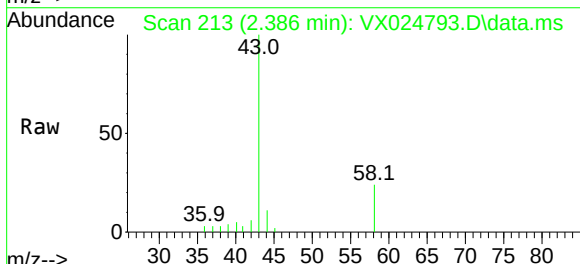
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-03-(SA)RE

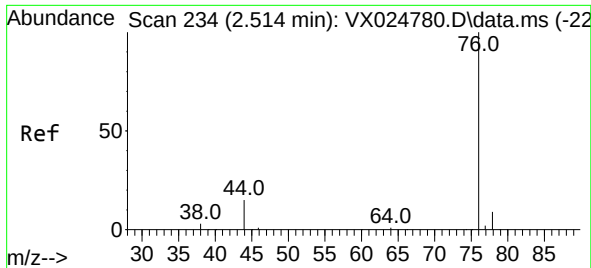
Tgt Ion:	41	Resp:	661
Ion	Ratio	Lower	Upper
41	100		
39	111.5	54.6	82.0#
76	0.0	25.3	37.9#



#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

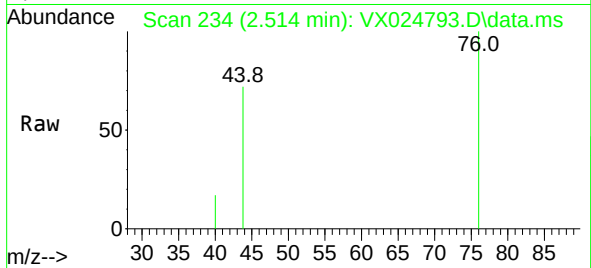
Tgt Ion:	43	Resp:	5285
Ion	Ratio	Lower	Upper
43	100		
58	24.1	24.0	36.0



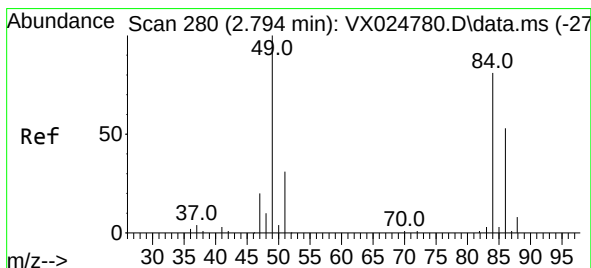
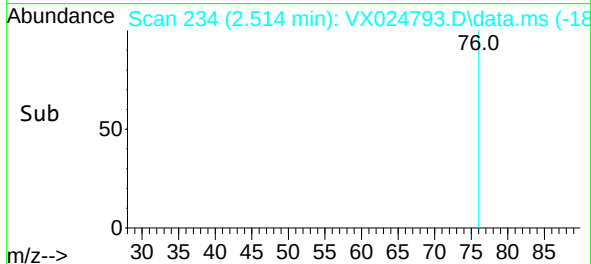
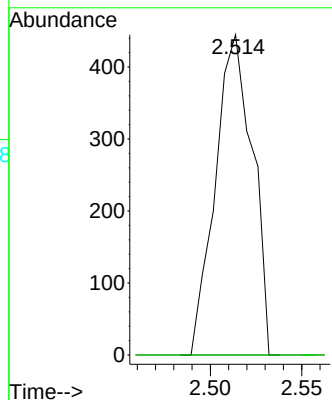


#17
Carbon Disulfide
Concen: 0.204 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

Instrument :
MSVOA_X
ClientSampleId :
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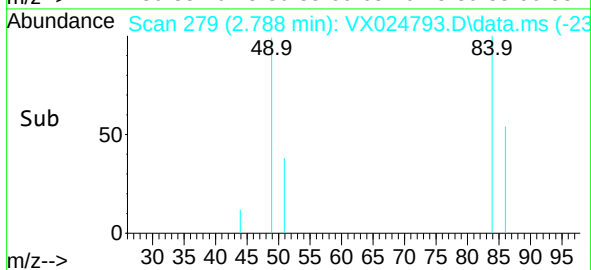
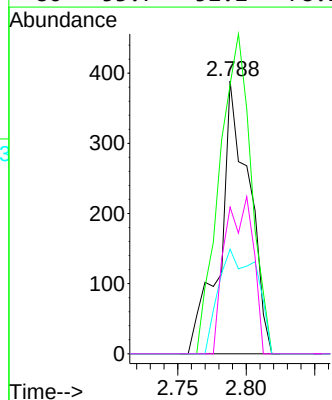
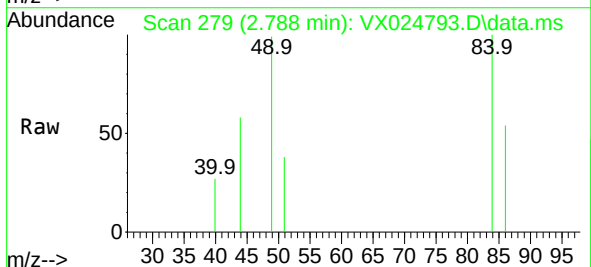


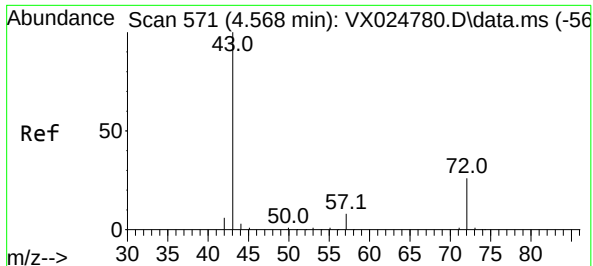
Tgt Ion: 76 Resp: 629
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



#20
Methylene Chloride
Concen: 0.403 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

Tgt Ion: 84 Resp: 569
Ion Ratio Lower Upper
84 100
49 98.7 98.2 147.2
51 38.3 30.2 45.4
86 53.7 52.2 78.2





#25

2-Butanone

Concen: 0.290 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.018 min

Lab File: VX024793.D

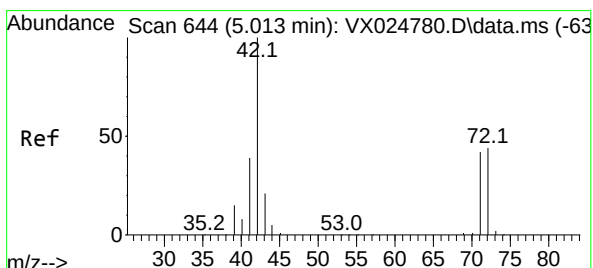
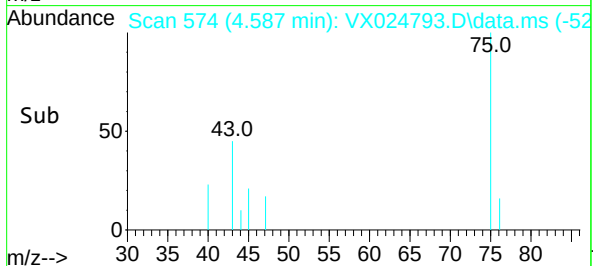
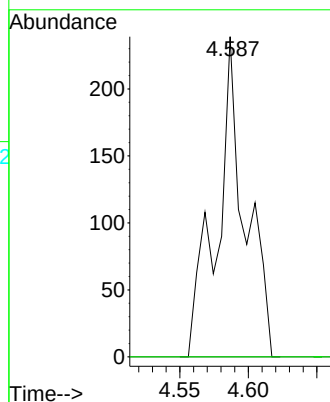
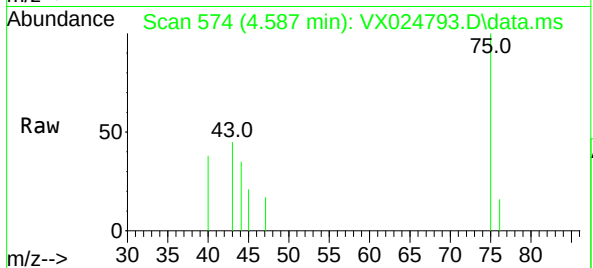
Acq: 13 Oct 2021 19:11

Tgt Ion: 43 Resp: 344

Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#



#29

Tetrahydrofuran

Concen: 0.268 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.031 min

Lab File: VX024793.D

Acq: 13 Oct 2021 19:11

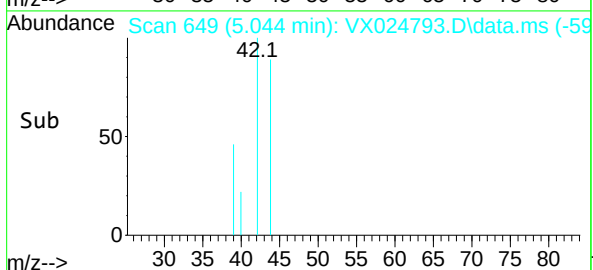
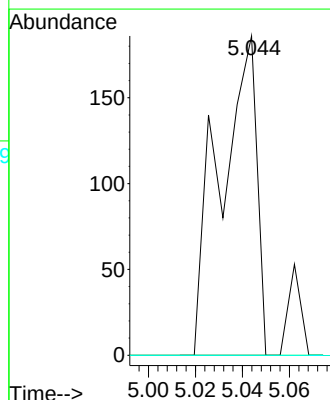
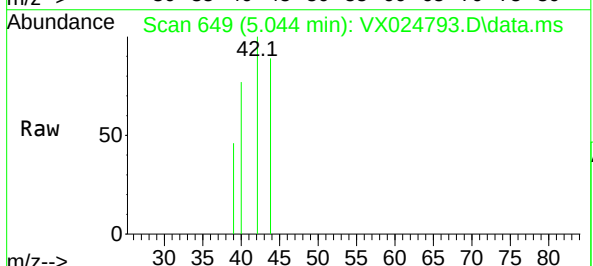
Tgt Ion: 42 Resp: 202

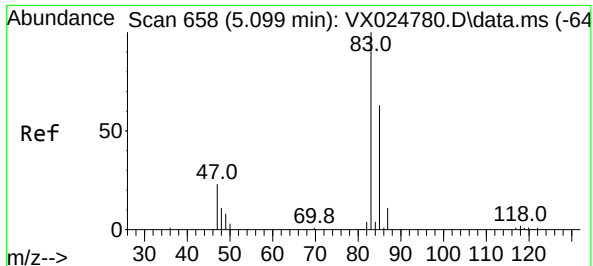
Ion Ratio Lower Upper

42 100

72 0.0 36.1 54.1#

71 0.0 33.7 50.5#





#30

Chloroform

Concen: 0.587 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.012 min

Lab File: VX024793.D

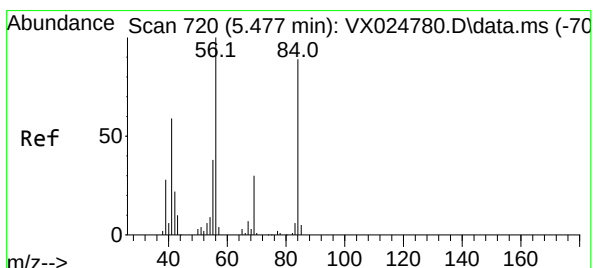
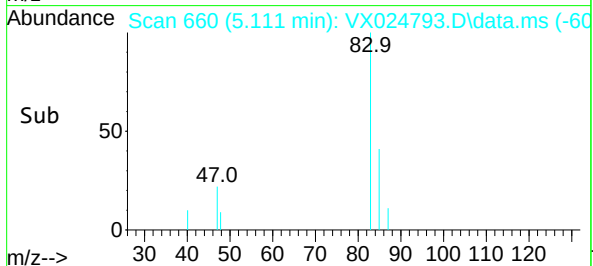
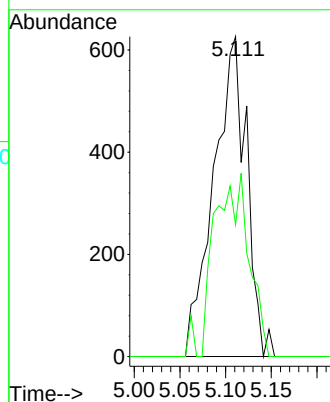
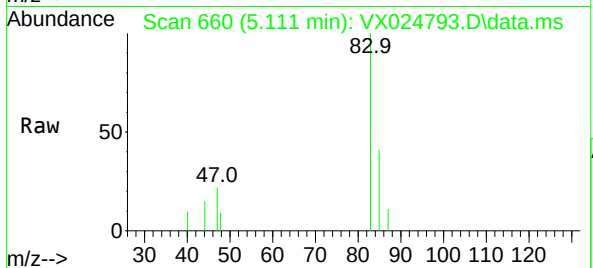
Acq: 13 Oct 2021 19:11

Tgt Ion: 83 Resp: 1564

Ion Ratio Lower Upper

83 100

85 41.2 50.2 75.2#



#31

Cyclohexane

Concen: 1.210 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.091 min

Lab File: VX024793.D

Acq: 13 Oct 2021 19:11

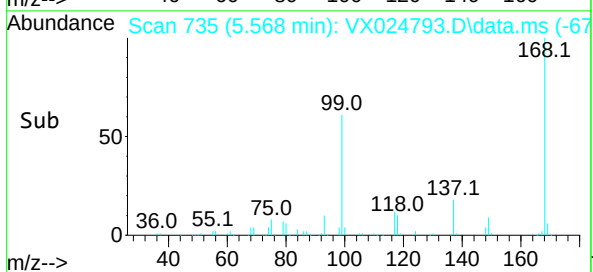
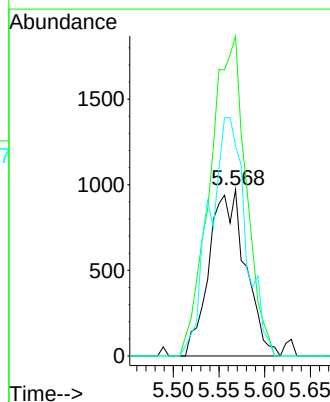
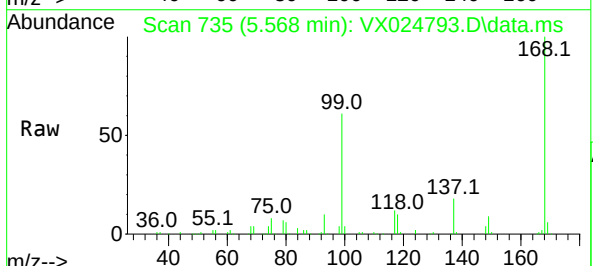
Tgt Ion: 56 Resp: 2683

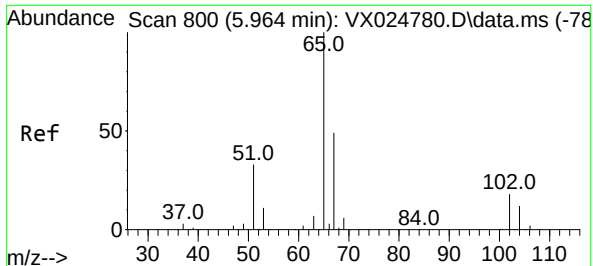
Ion Ratio Lower Upper

56 100

69 192.3 24.2 36.2#

84 126.2 71.5 107.3#



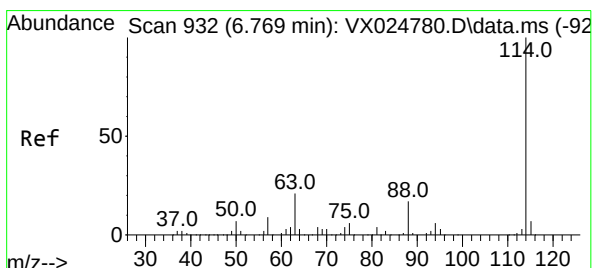
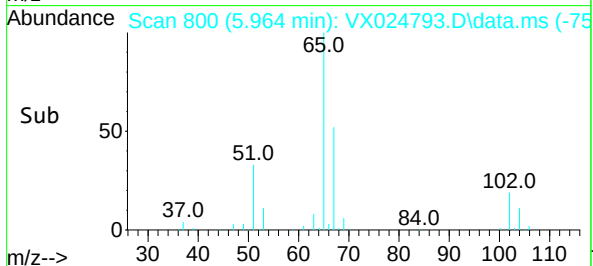
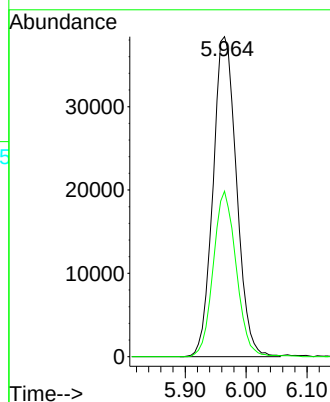
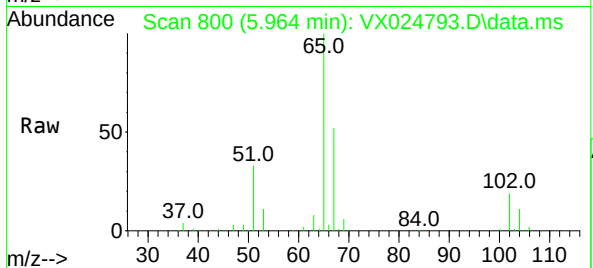


#33

1,2-Dichloroethane-d4
Concen: 61.905 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

Instrument :
MSVOA_X
ClientSampleId :
SW-RR-03-(SA)RE

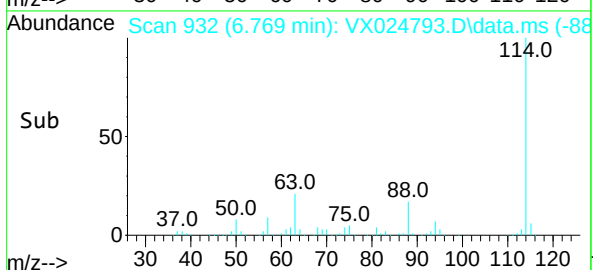
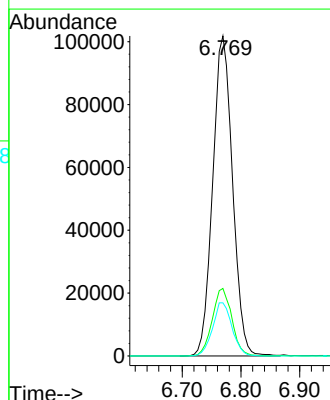
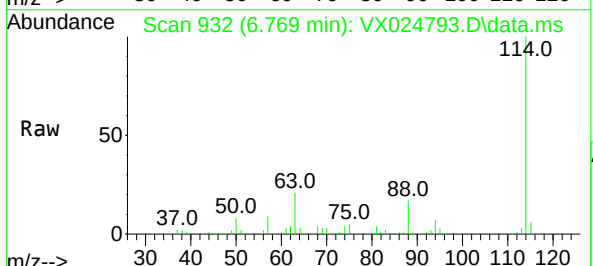
Tgt Ion: 65 Resp: 103030
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.0

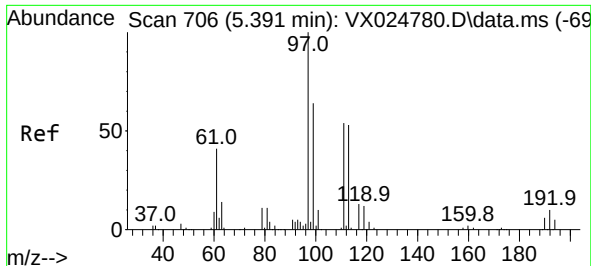


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

Tgt Ion: 114 Resp: 238474
Ion Ratio Lower Upper
114 100
63 21.1 0.0 41.0
88 16.6 0.0 34.8





#35

Dibromofluoromethane

Concen: 57.954 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX024793.D

Acq: 13 Oct 2021 19:11

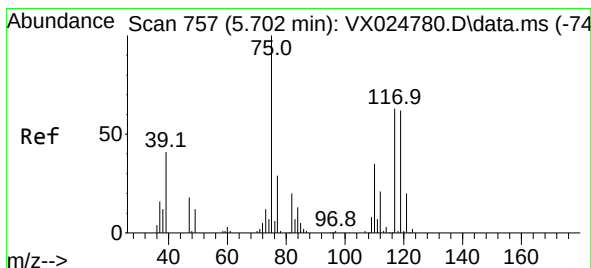
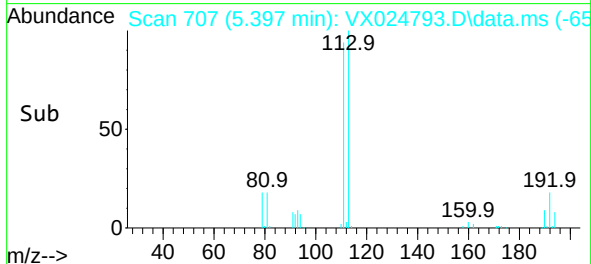
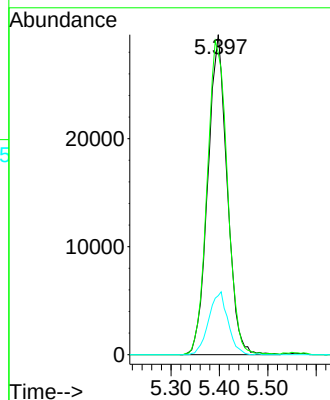
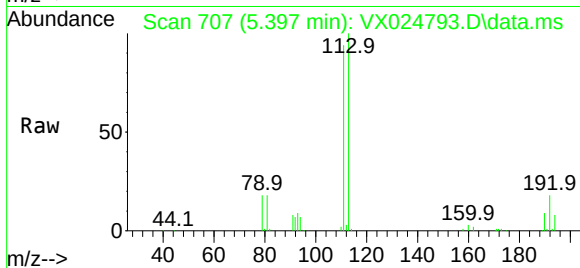
Tgt Ion:113 Resp: 82276

Ion Ratio Lower Upper

113 100

111 102.9 82.1 123.1

192 19.5 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.122 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX024793.D

Acq: 13 Oct 2021 19:11

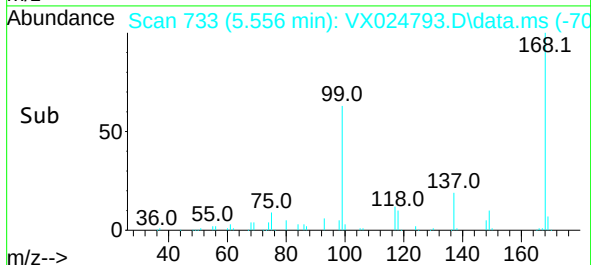
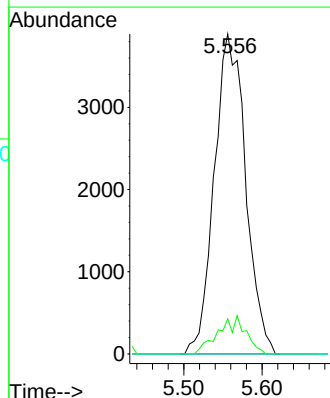
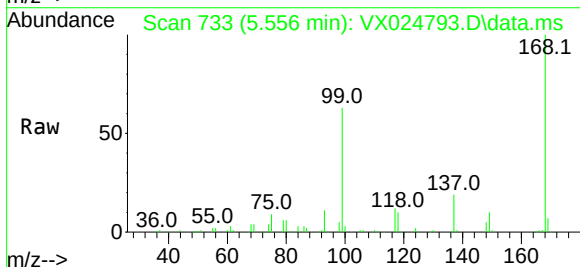
Tgt Ion: 75 Resp: 10810

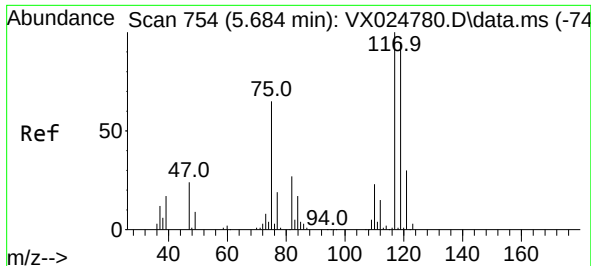
Ion Ratio Lower Upper

75 100

110 6.0 18.1 54.3#

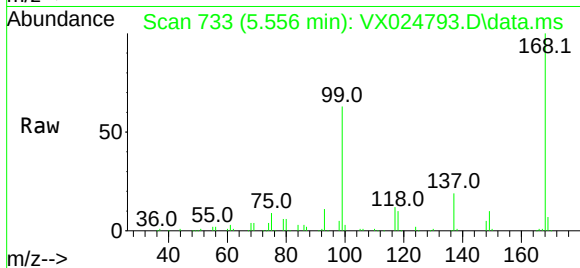
77 0.0 24.4 36.6#



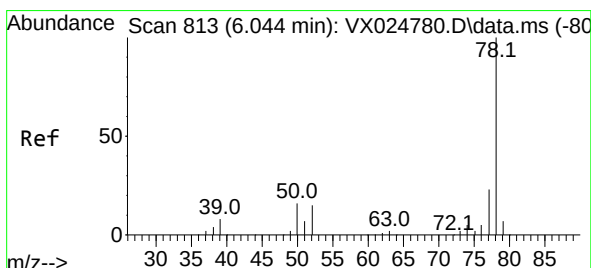
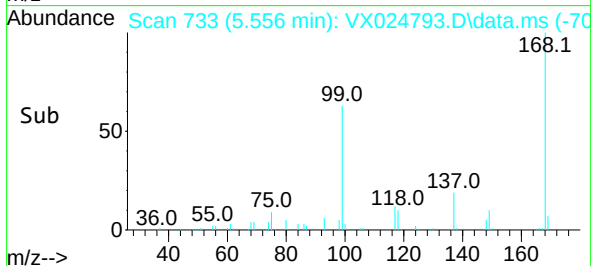
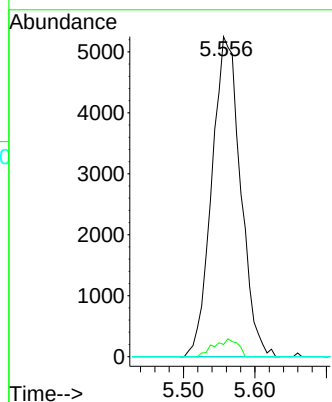


#38
Carbon Tetrachloride
Concen: 6.200 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

Instrument :
MSVOA_X
ClientSampleId :
SW-RR-03-(SA)RE

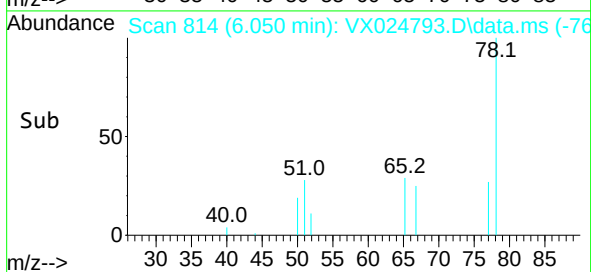
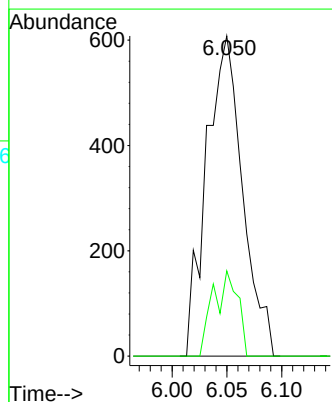
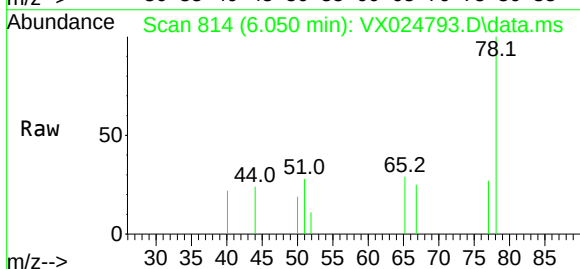


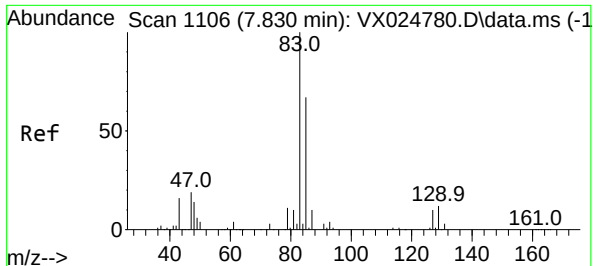
Tgt Ion:117 Resp: 14660
Ion Ratio Lower Upper
117 100
119 3.8 75.6 113.4#
121 0.0 23.7 35.5#



#40
Benzene
Concen: 0.230 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

Tgt Ion: 78 Resp: 1394
Ion Ratio Lower Upper
78 100
77 26.6 18.3 27.5

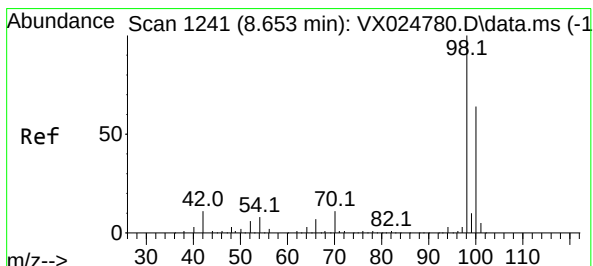
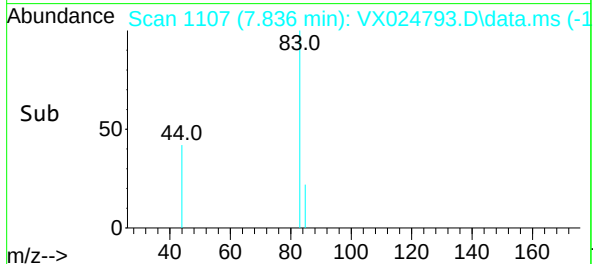
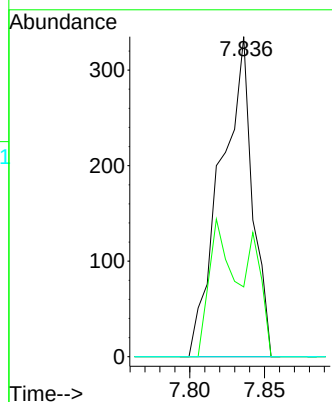
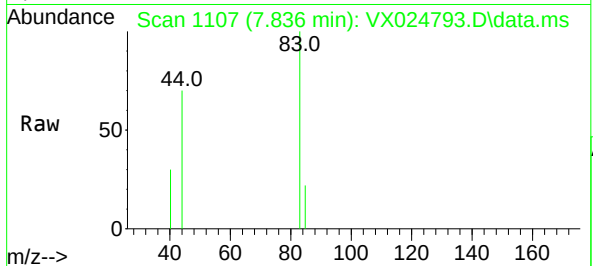




#47
Bromodichloromethane
Concen: 0.229 ug/l
RT: 7.836 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

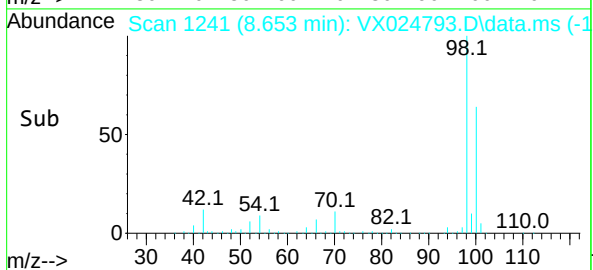
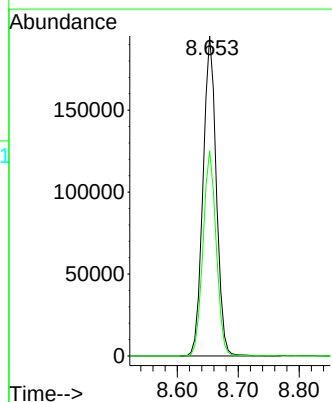
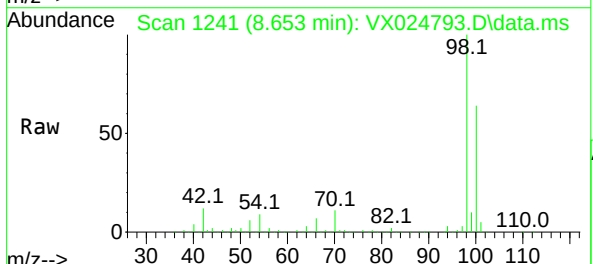
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-03-(SA)RE

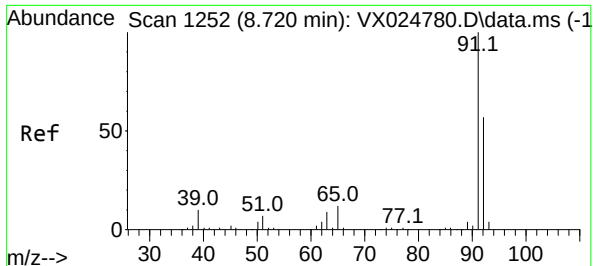
Tgt Ion: 83 Resp: 495
Ion Ratio Lower Upper
83 100
85 21.8 53.5 80.3#
127 0.0 7.7 11.5#



#50
Toluene-d8
Concen: 56.387 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

Tgt Ion: 98 Resp: 296114
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0





#52

Toluene

Concen: 0.675 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX024793.D

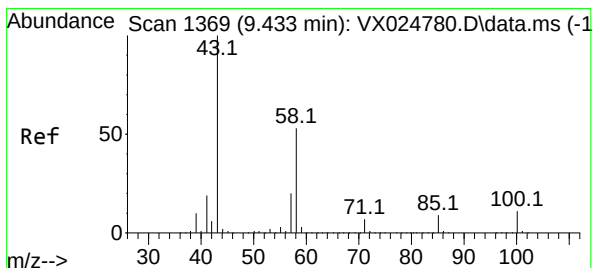
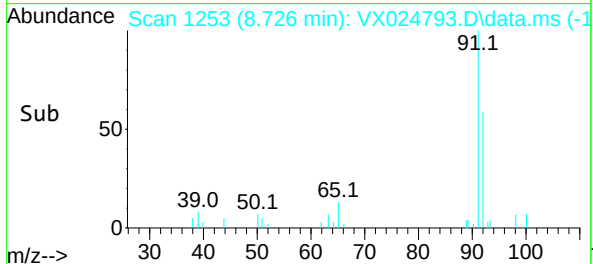
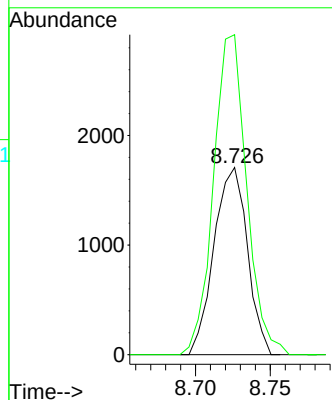
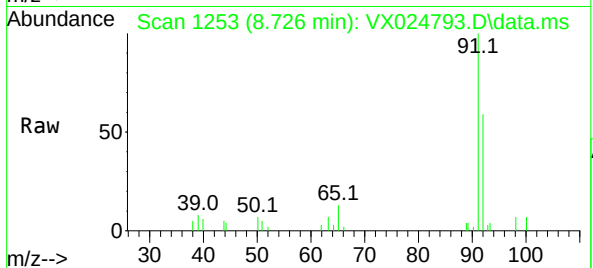
Acq: 13 Oct 2021 19:11

Tgt Ion: 92 Resp: 2648

Ion Ratio Lower Upper

92 100

91 169.8 138.6 208.0



#59

2-Hexanone

Concen: Below Cal

RT: 9.244 min Scan# 1338

Delta R.T. -0.189 min

Lab File: VX024793.D

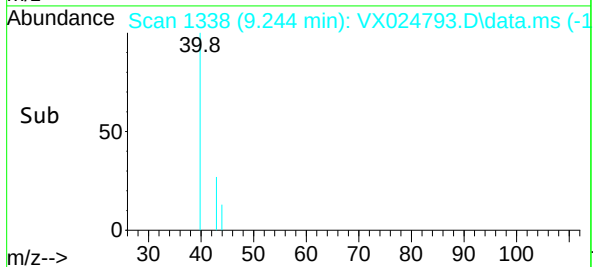
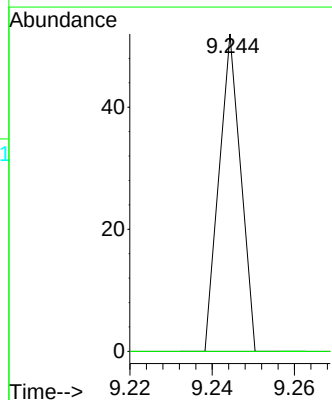
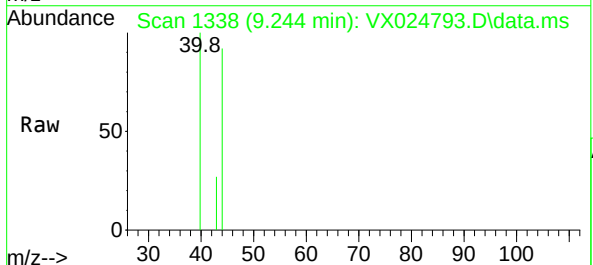
Acq: 13 Oct 2021 19:11

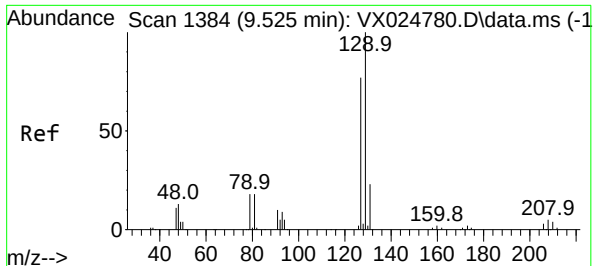
Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

43 100

58 0.0 26.6 79.7#

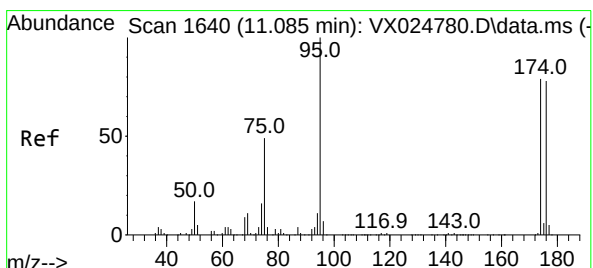
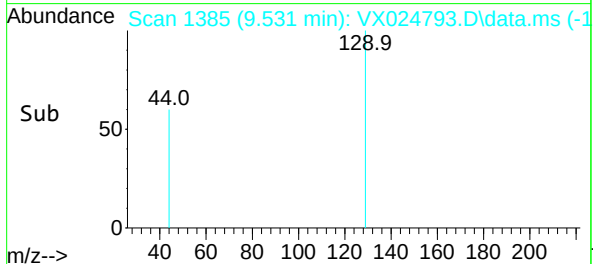
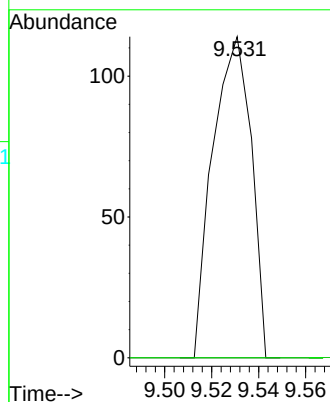
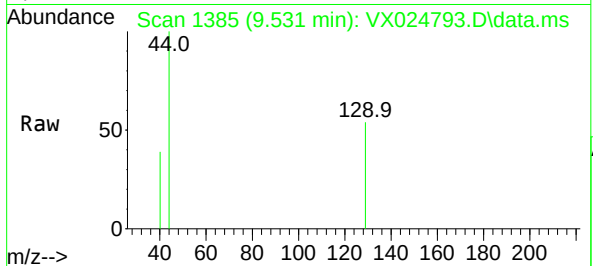




#60
Dibromochloromethane
Concen: 0.856 ug/l
RT: 9.531 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

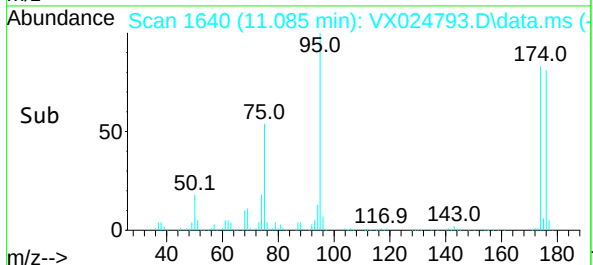
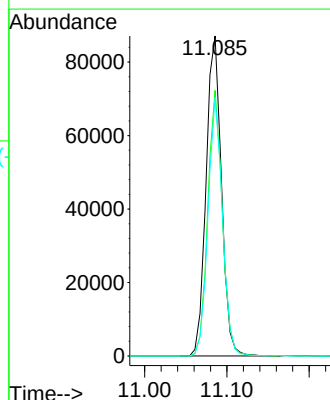
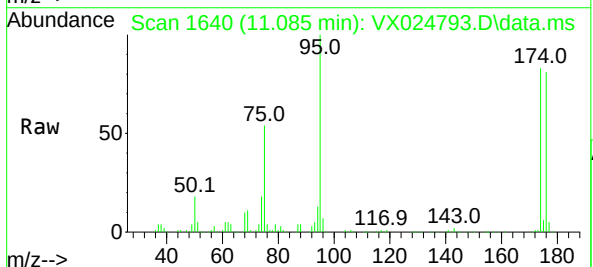
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-03-(SA)RE

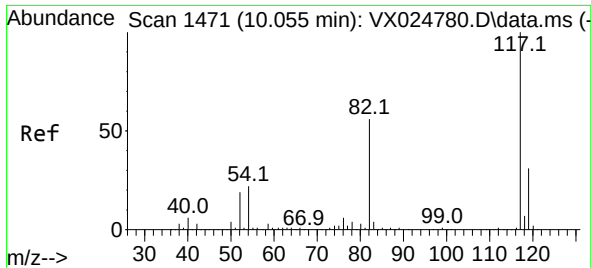
Tgt Ion:129 Resp: 130
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 54.595 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

Tgt Ion: 95 Resp: 112760
Ion Ratio Lower Upper
95 100
174 78.8 0.0 158.0
176 76.2 0.0 153.6

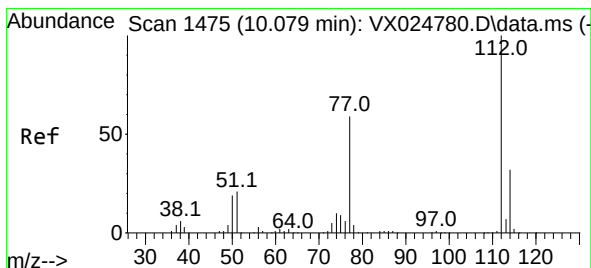
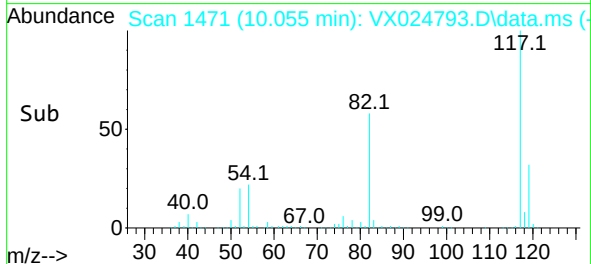
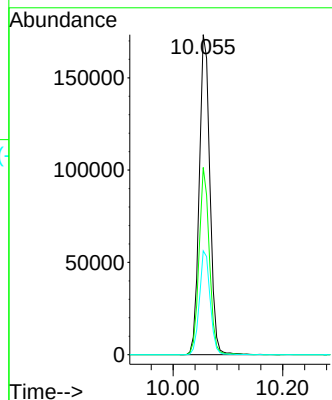
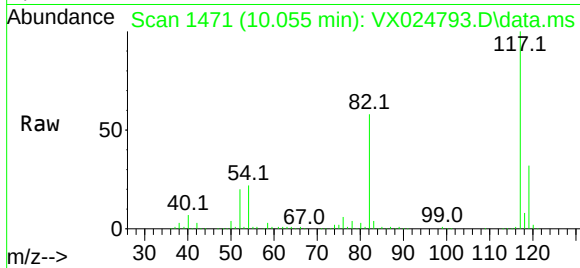




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

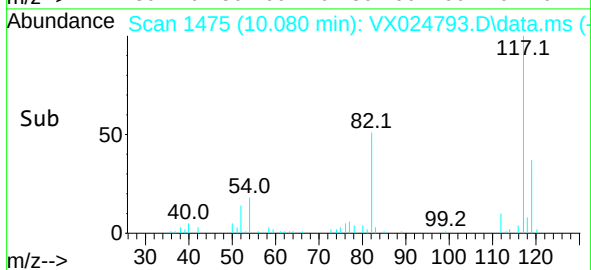
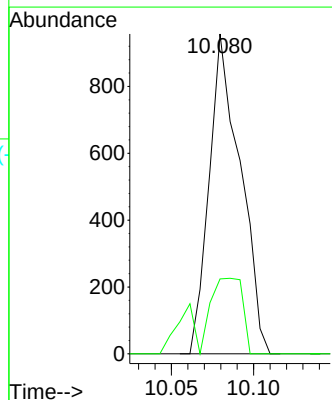
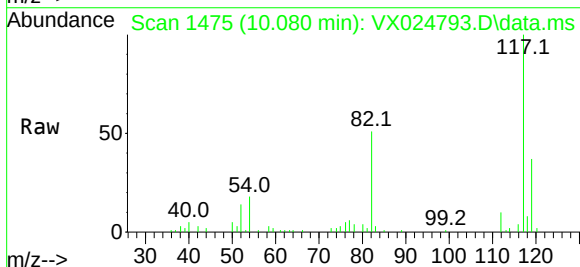
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-03-(SA)RE

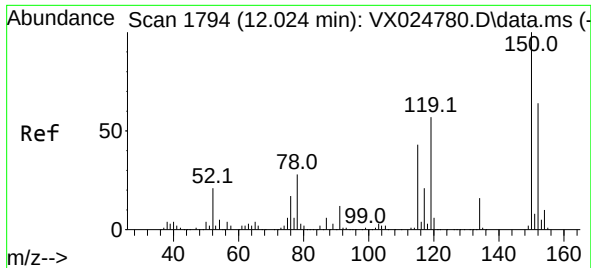
Tgt Ion:117 Resp: 234804
Ion Ratio Lower Upper
117 100
82 58.5 44.6 67.0
119 32.4 24.8 37.2



#65
Chlorobenzene
Concen: 0.274 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

Tgt Ion:112 Resp: 1258
Ion Ratio Lower Upper
112 100
114 23.4 25.8 38.6#

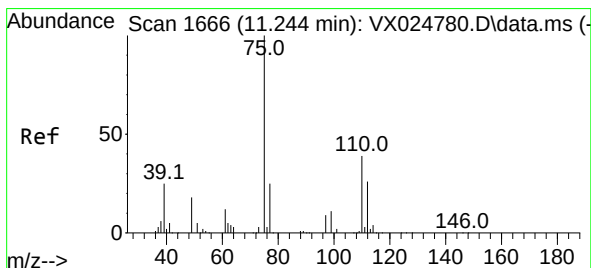
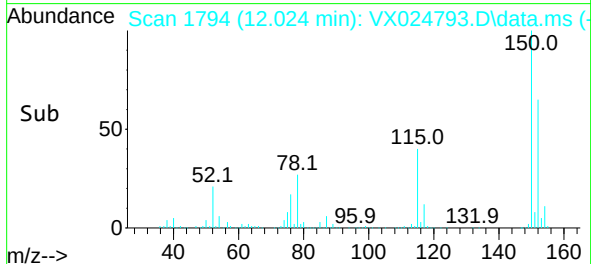
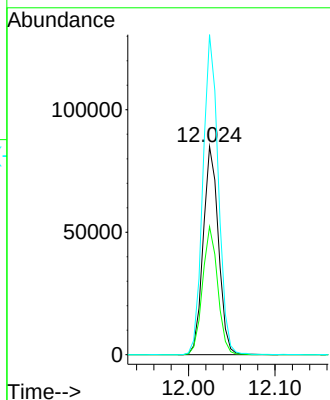
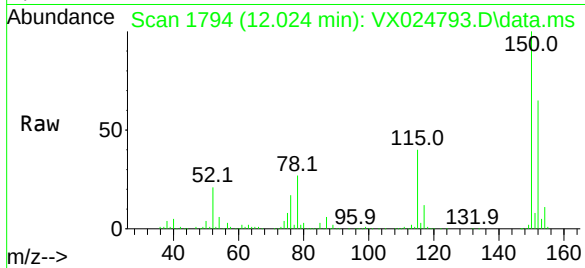




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024793.D
 Acq: 13 Oct 2021 19:11

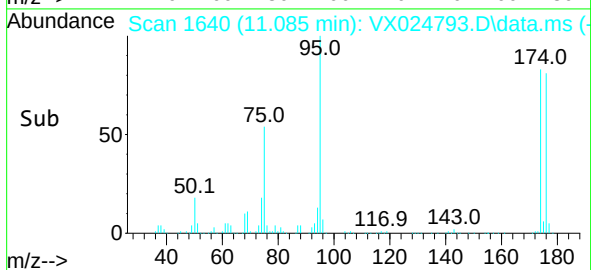
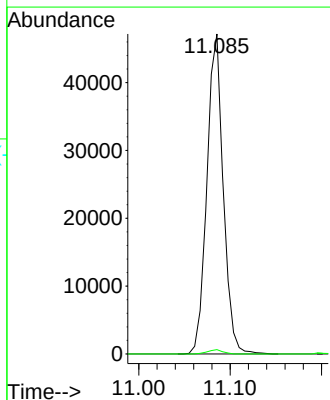
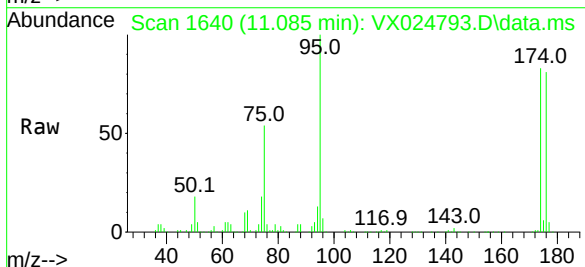
Instrument :
 MSVOA_X
 ClientSampleId :
 SW-RR-03-(SA)RE

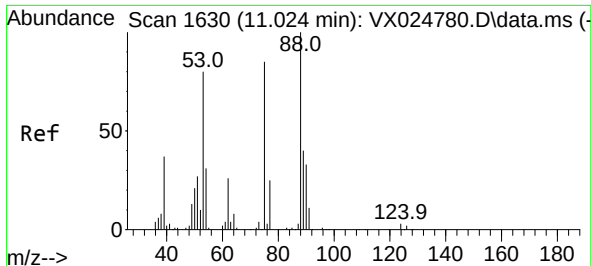
Tgt Ion:152 Resp: 103945
 Ion Ratio Lower Upper
 152 100
 115 60.9 43.3 129.8
 150 155.1 0.0 351.2



#76
 1,2,3-Trichloropropane
 Concen: 26.890 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.158 min
 Lab File: VX024793.D
 Acq: 13 Oct 2021 19:11

Tgt Ion: 75 Resp: 58314
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.0 59.9#

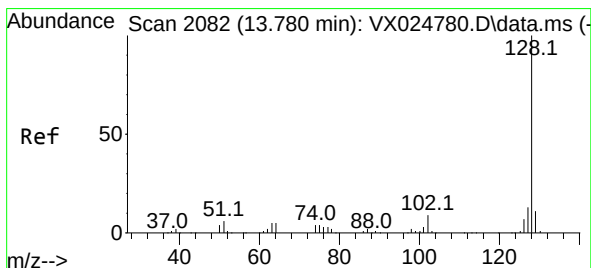
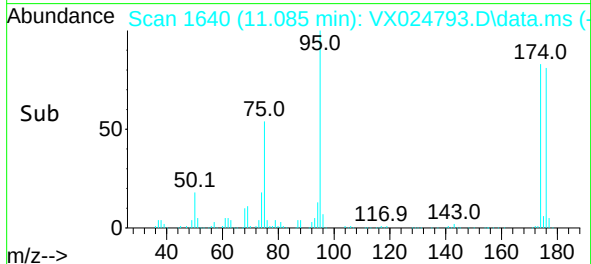
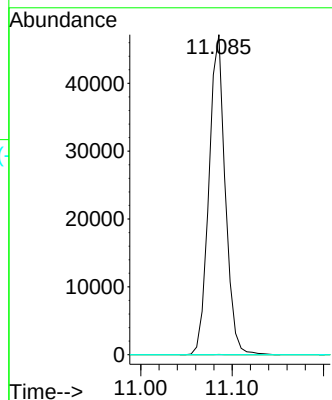
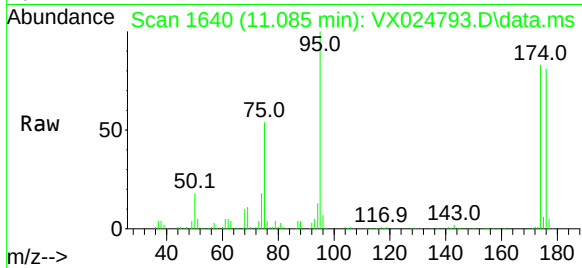




#81
trans-1,4-Dichloro-2-butene
Concen: 72.383 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

Instrument :
MSVOA_X
ClientSampleId :
SW-RR-03-(SA)RE

Tgt Ion: 75 Resp: 58314
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#95
Naphthalene
Concen: 0.690 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024793.D
Acq: 13 Oct 2021 19:11

Tgt Ion: 128 Resp: 3204
Ion Ratio Lower Upper
128 100
127 9.7 10.3 15.5#
129 11.4 8.8 13.2

