

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092021\
 Data File : VX024351.D
 Acq On : 20 Sep 2021 15:18
 Operator : JC/MD
 Sample : M3817-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SW-RR-01-(2.0)

Quant Time: Sep 21 08:41:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 14 12:18:04 2021
 Response via : Initial Calibration

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

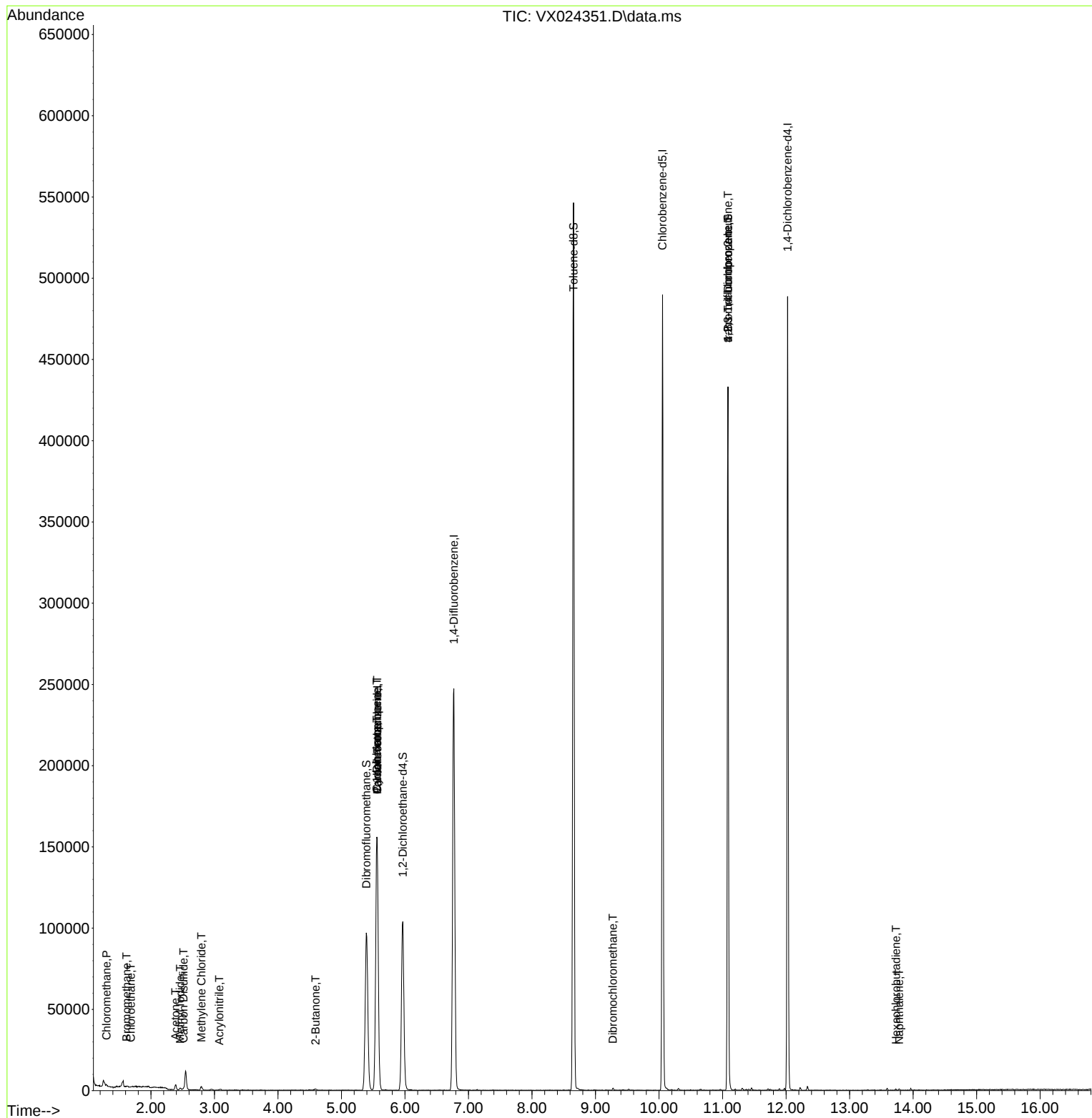
Internal Standards						
1) Pentafluorobenzene	5.562	168	144354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	252830	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99982	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	106930	51.947	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.900%			
35) Dibromofluoromethane	5.391	113	85563	50.462	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.920%			
50) Toluene-d8	8.653	98	312322	50.562	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.120%			
62) 4-Bromofluorobenzene	11.085	95	114304	47.550	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.100%			
Target Compounds						Qvalue
3) Chloromethane	1.301	50	485	0.335	ug/l #	75
5) Bromomethane	1.618	94	489	0.570	ug/l	91
6) Chloroethane	1.685	64	140	2.117	ug/l #	72
10) Methyl Iodide	2.459	142	1481	0.753	ug/l #	91
11) Tert butyl alcohol	2.971	59	371	Below Cal	#	73
15) Acrylonitrile	3.075	53	259	0.308	ug/l #	91
16) Acetone	2.386	43	3399	3.873	ug/l	96
17) Carbon Disulfide	2.514	76	1247	0.374	ug/l	96
20) Methylene Chloride	2.794	84	955	0.567	ug/l #	81
25) 2-Butanone	4.593	43	303	0.234	ug/l #	45
31) Cyclohexane	5.556	56	3078	1.278	ug/l #	13
36) 1,1-Dichloropropene	5.556	75	11301	4.862	ug/l #	50
38) Carbon Tetrachloride	5.562	117	15567	5.950	ug/l #	15
60) Dibromochloromethane	9.275	129	71	1.759	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	59033	25.678	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	59033	75.519	ug/l #	12
94) Hexachlorobutadiene	13.731	225	242	0.250	ug/l	70
95) Naphthalene	13.780	128	805	1.397	ug/l #	81

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

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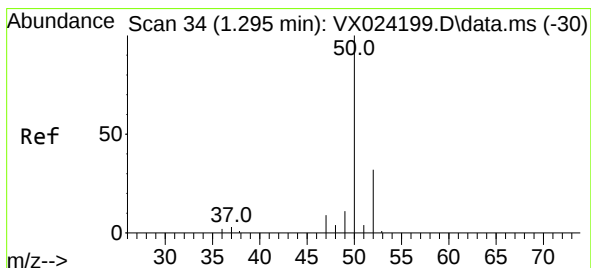
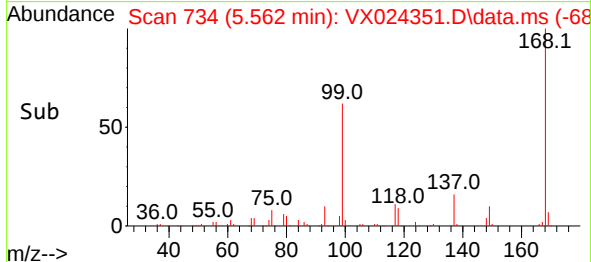
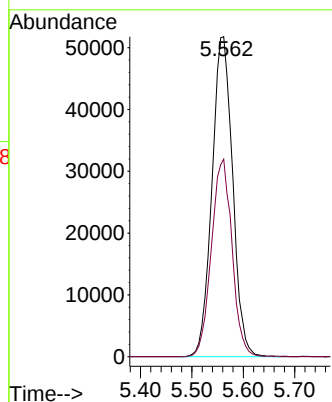
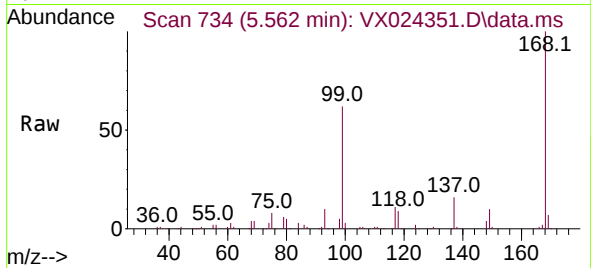




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

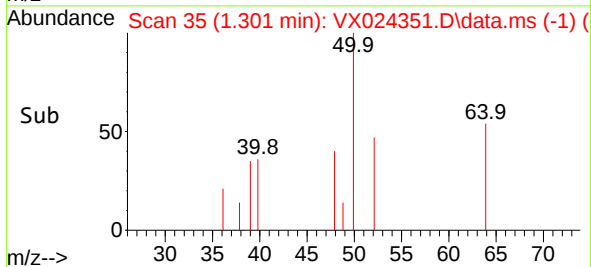
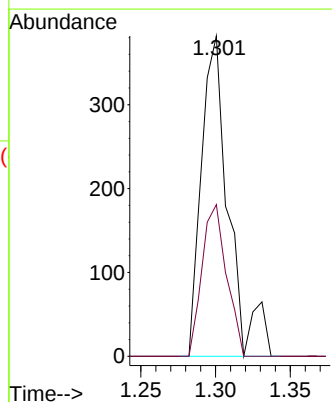
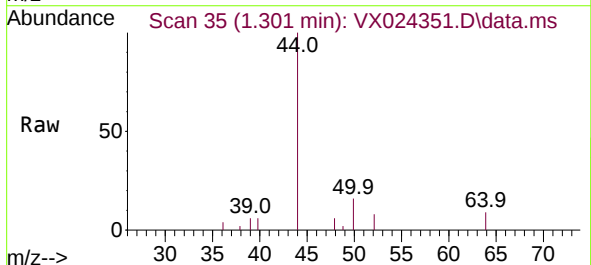
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-01-(2.0)

Tgt Ion:168 Resp: 144354
Ion Ratio Lower Upper
168 100
99 61.8 45.8 68.6



#3
Chloromethane
Concen: 0.335 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

Tgt Ion: 50 Resp: 485
Ion Ratio Lower Upper
50 100
52 47.4 26.4 39.6#

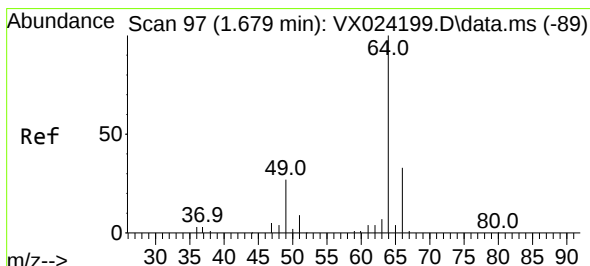
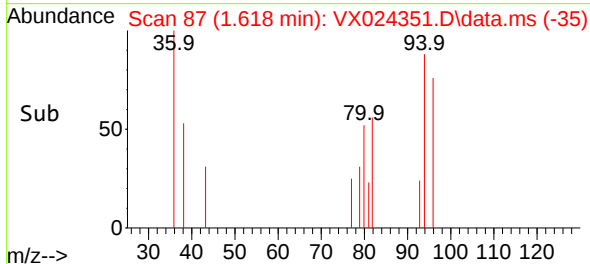
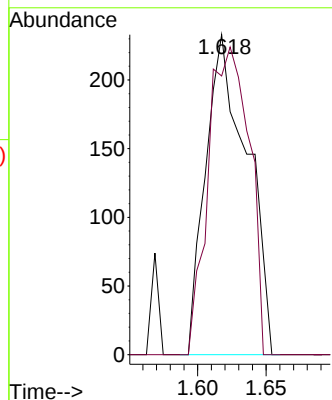
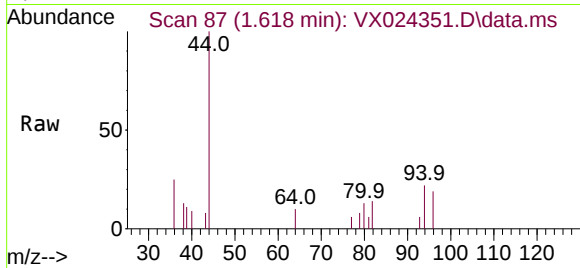




#5
Bromomethane
Concen: 0.570 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

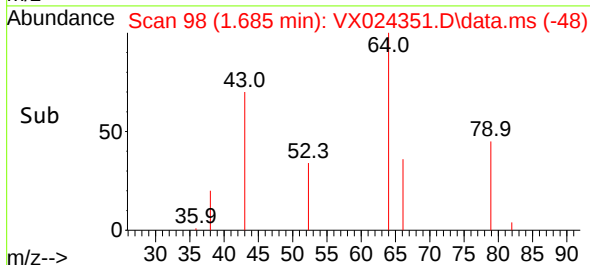
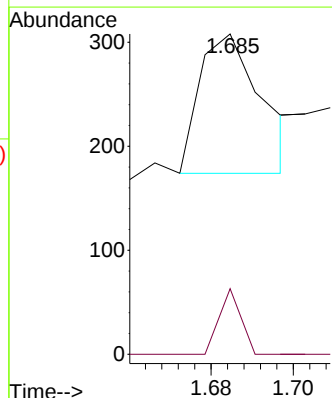
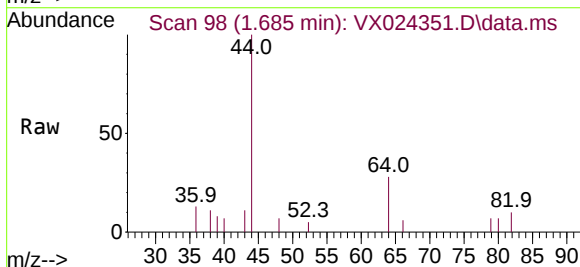
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-01-(2.0)

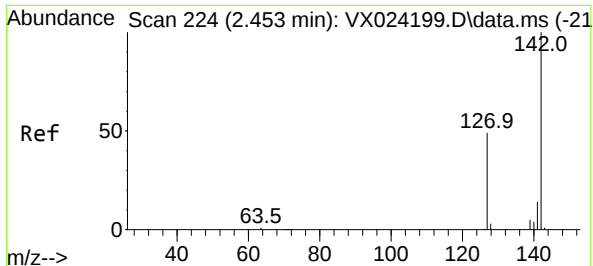
Tgt Ion: 94 Resp: 489
Ion Ratio Lower Upper
94 100
96 87.1 76.4 114.6



#6
Chloroethane
Concen: 2.117 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

Tgt Ion: 64 Resp: 140
Ion Ratio Lower Upper
64 100
66 47.0 25.4 38.0#

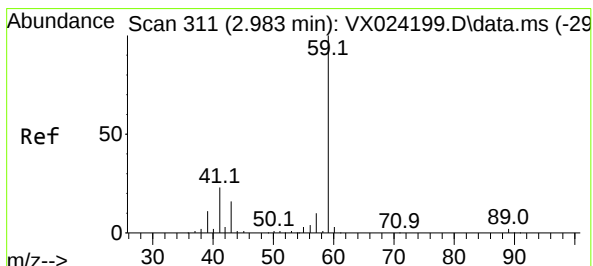
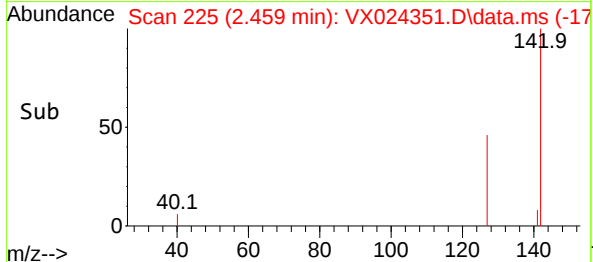
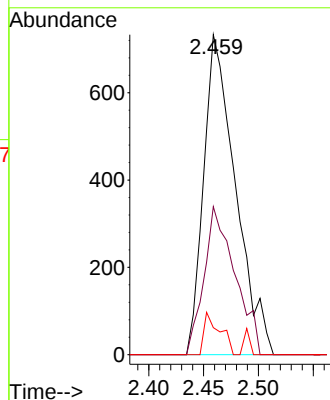
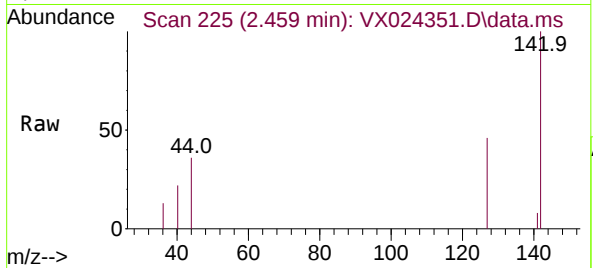




#10
Methyl Iodide
Concen: 0.753 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

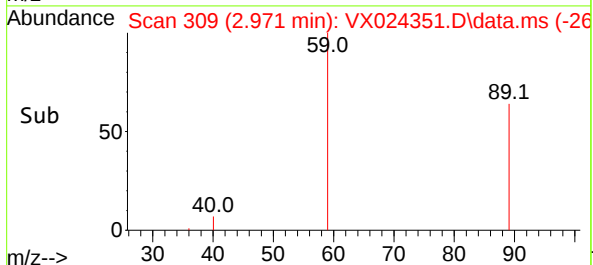
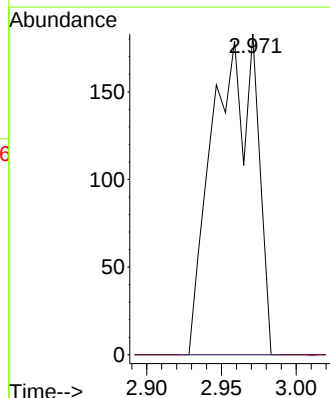
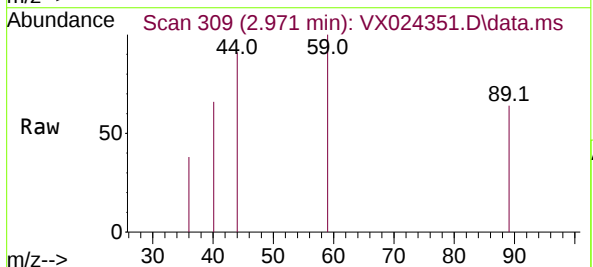
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-01-(2.0)

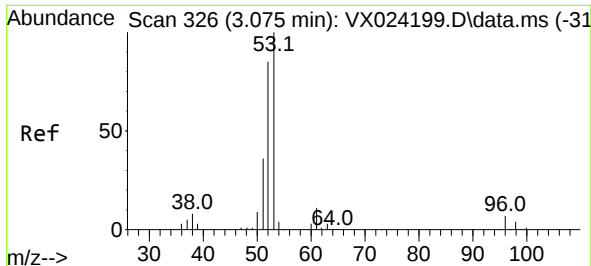
Tgt Ion:142 Resp: 1481
Ion Ratio Lower Upper
142 100
127 45.0 33.3 49.9
141 6.6 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

Tgt Ion: 59 Resp: 371
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

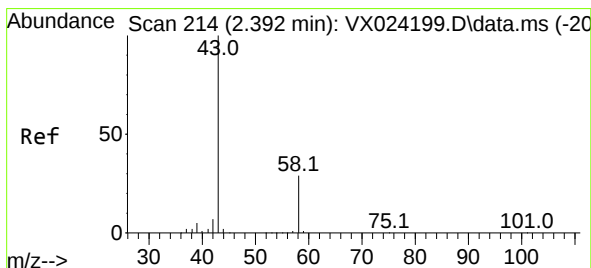
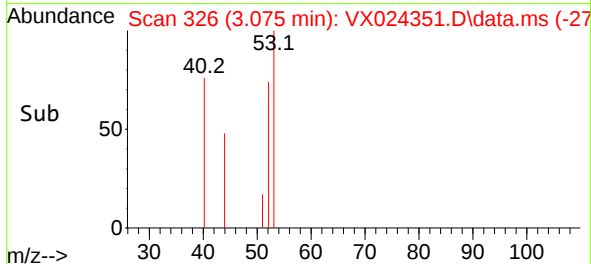
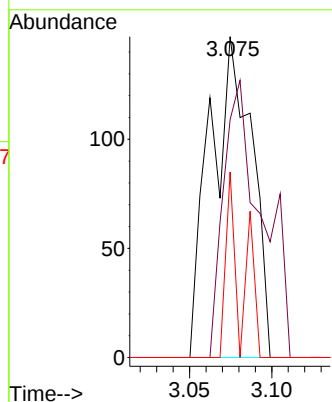
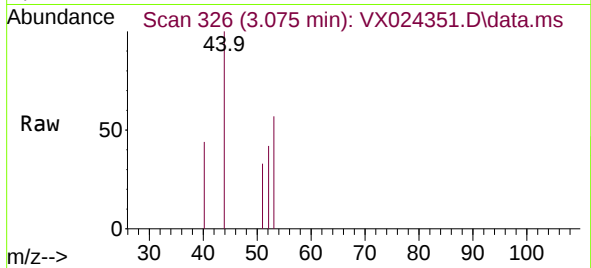




#15
Acrylonitrile
Concen: 0.308 ug/l
RT: 3.075 min Scan# 326
Delta R.T. -0.000 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

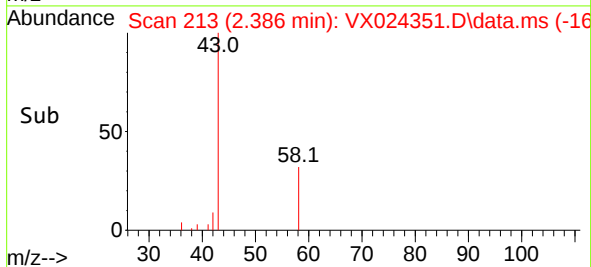
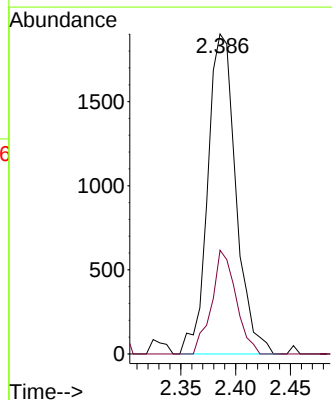
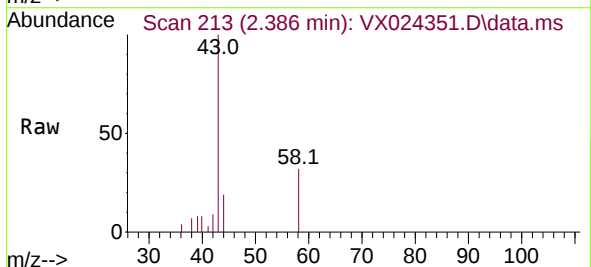
Instrument :
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ClientSampleId :
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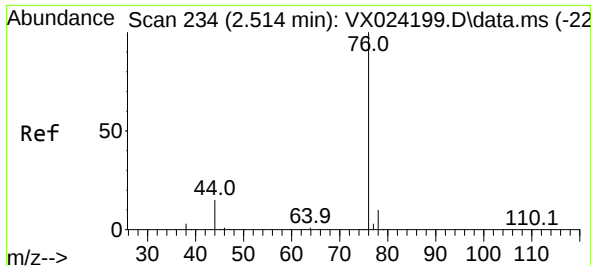
Tgt Ion: 53 Resp: 259
Ion Ratio Lower Upper
53 100
52 79.5 65.3 97.9
51 21.6 28.2 42.2#



#16
Acetone
Concen: 3.873 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

Tgt Ion: 43 Resp: 3399
Ion Ratio Lower Upper
43 100
58 32.4 27.8 41.8

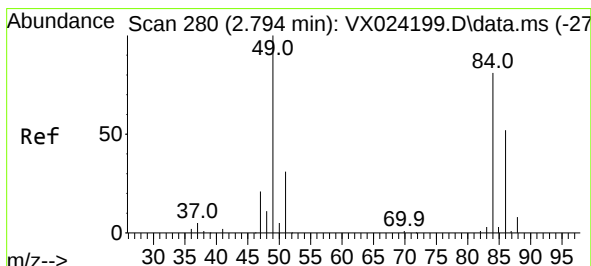
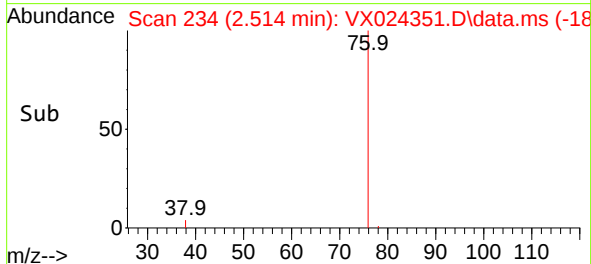
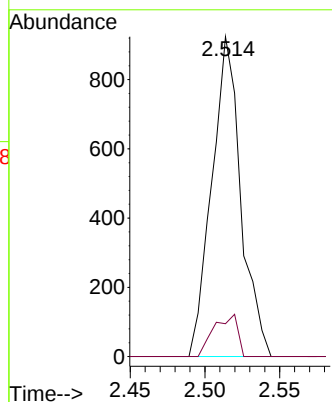
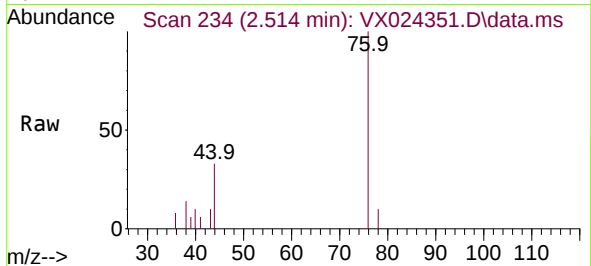




#17
Carbon Disulfide
Concen: 0.374 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

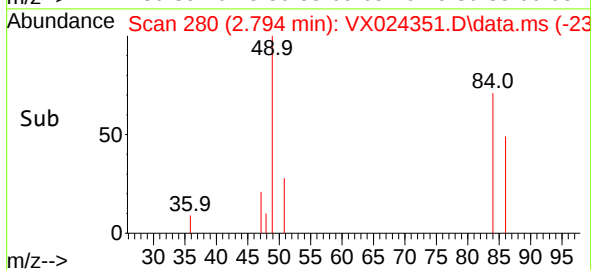
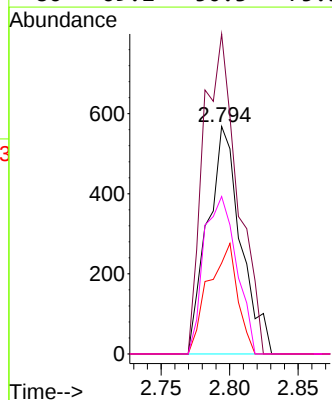
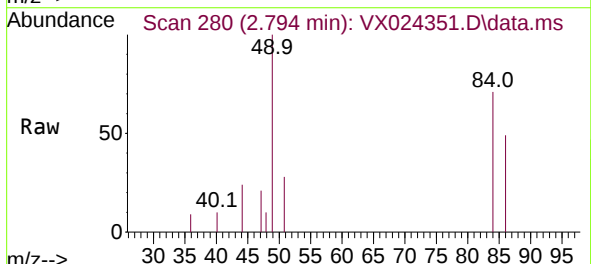
Instrument :
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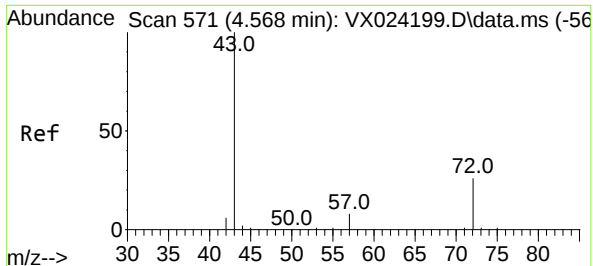
Tgt Ion: 76 Resp: 1247
Ion Ratio Lower Upper
76 100
78 10.3 7.2 10.8



#20
Methylene Chloride
Concen: 0.567 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

Tgt Ion: 84 Resp: 955
Ion Ratio Lower Upper
84 100
49 140.7 88.6 132.8#
51 40.0 27.0 40.6
86 69.2 50.3 75.5

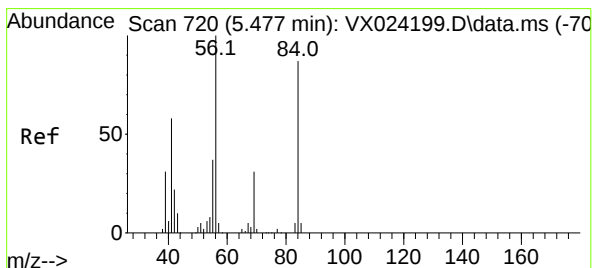
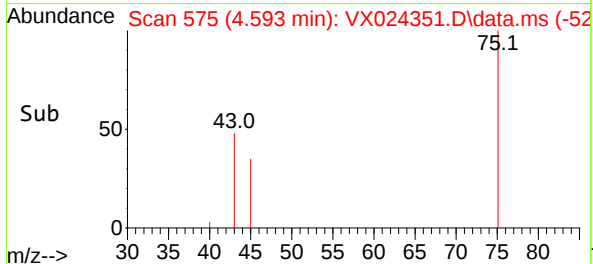
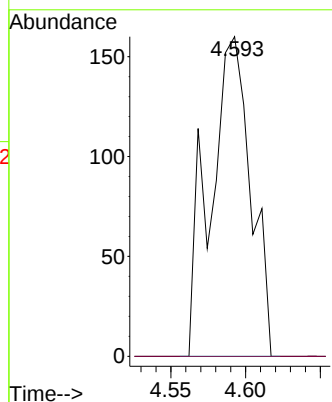
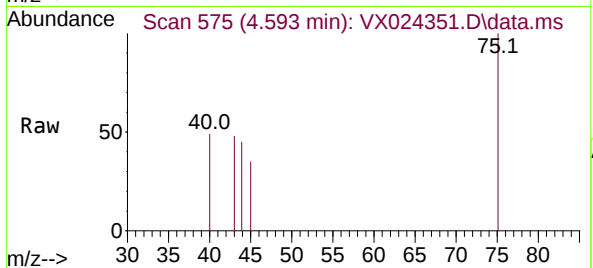




#25
2-Butanone
Concen: 0.234 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.025 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

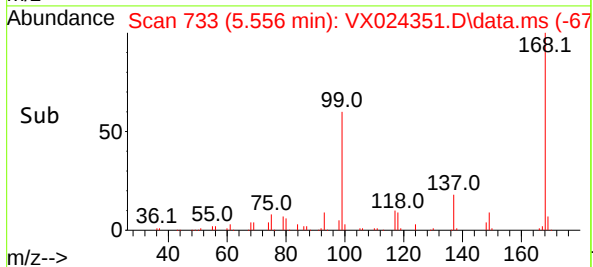
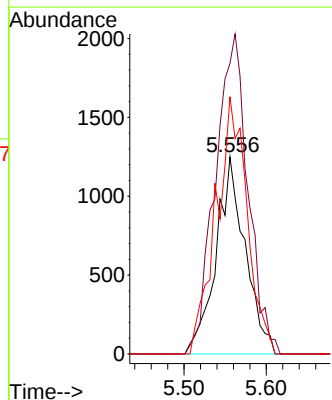
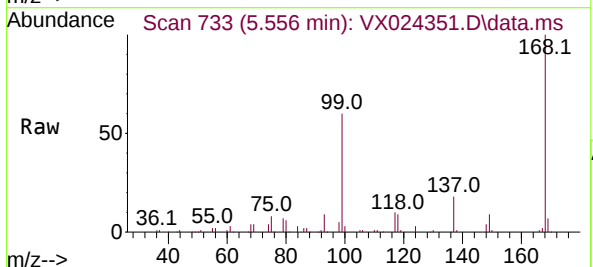
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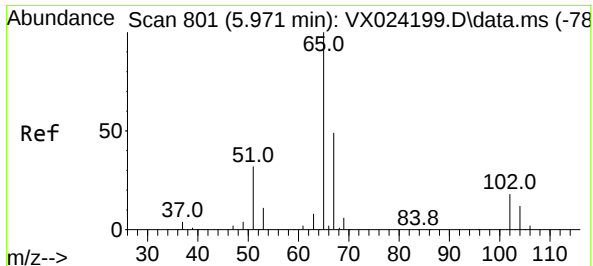
Tgt Ion: 43 Resp: 303
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 1.278 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

Tgt Ion: 56 Resp: 3078
Ion Ratio Lower Upper
56 100
69 147.5 25.3 37.9#
84 130.6 71.4 107.0#

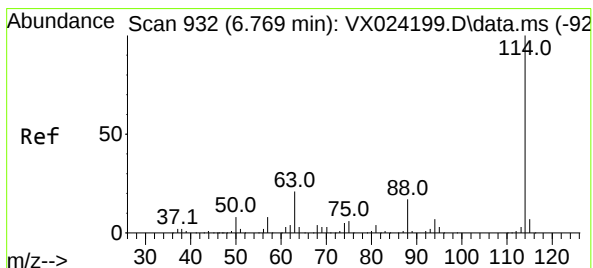
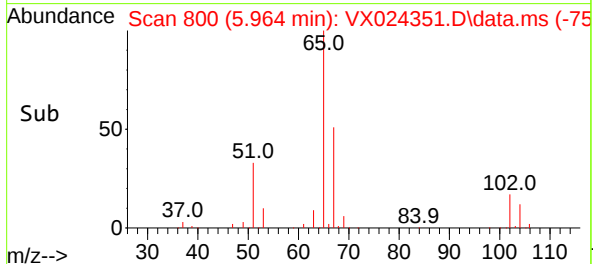
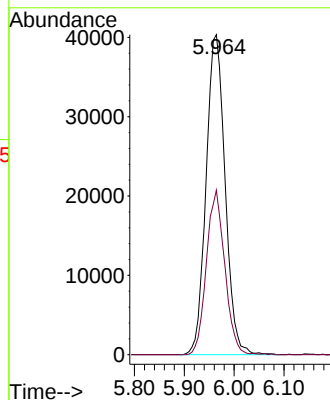
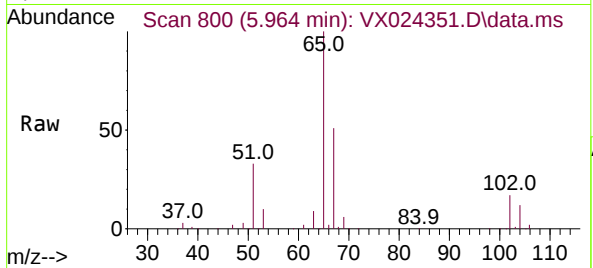




#33
1,2-Dichloroethane-d4
Concen: 51.947 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

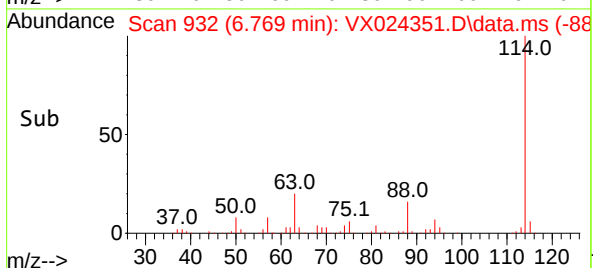
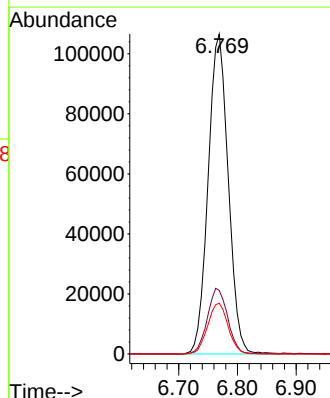
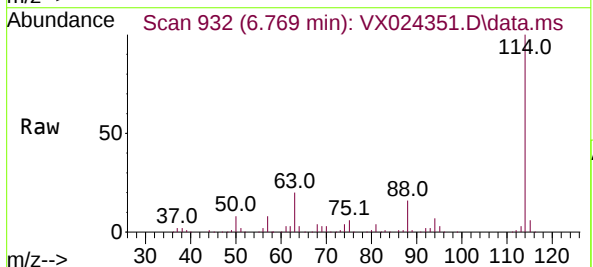
Instrument :
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ClientSampleId :
SW-RR-01-(2.0)

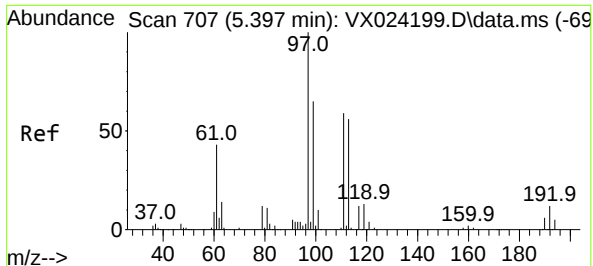
Tgt Ion: 65 Resp: 106930
Ion Ratio Lower Upper
65 100
67 49.7 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

Tgt Ion: 114 Resp: 252830
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.8
88 15.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.462 ug/l

RT: 5.391 min Scan# 706

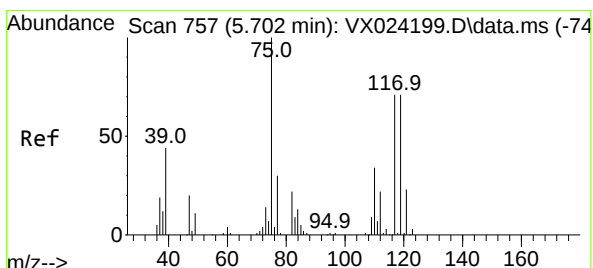
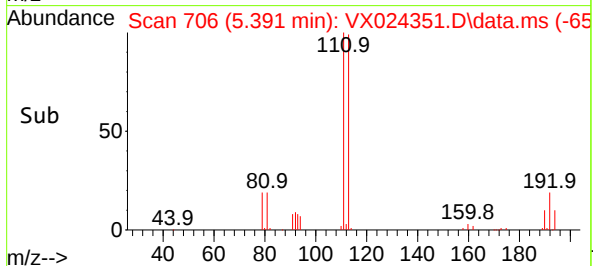
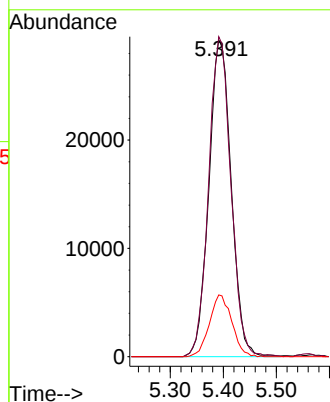
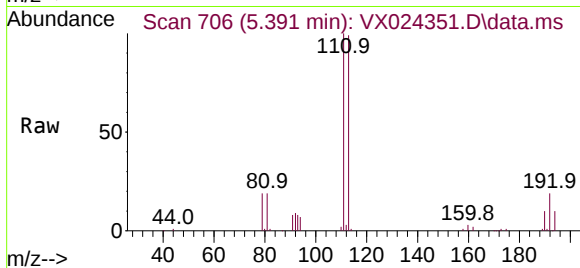
Delta R.T. -0.006 min

Lab File: VX024351.D

Acq: 20 Sep 2021 15:18

Tgt Ion:	113	Resp:	85563
Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.9	122.9
192	19.6	16.7	25.1

Instrument :
MSVOA_X
ClientSampleId :
SW-RR-01-(2.0)



#36

1,1-Dichloropropene

Concen: 4.862 ug/l

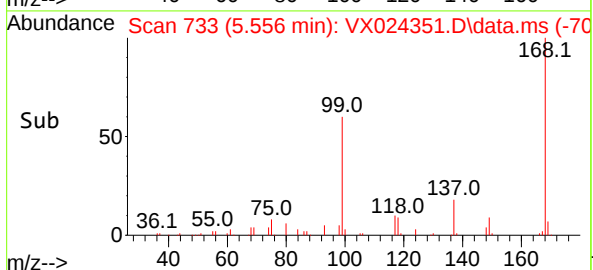
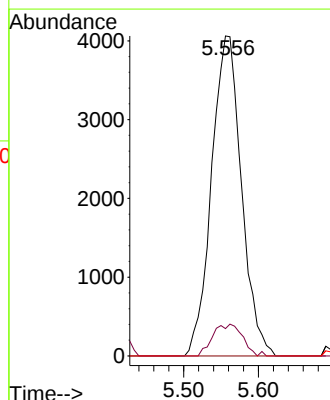
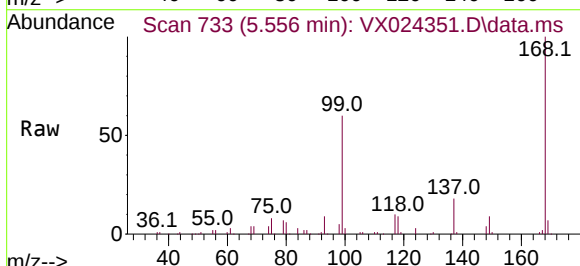
RT: 5.556 min Scan# 733

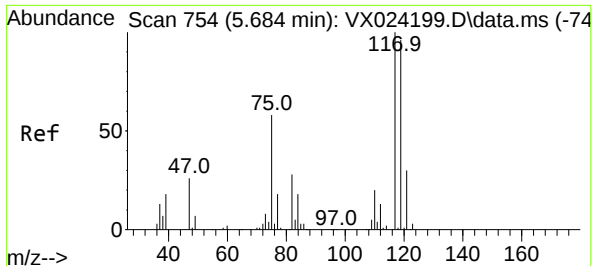
Delta R.T. -0.146 min

Lab File: VX024351.D

Acq: 20 Sep 2021 15:18

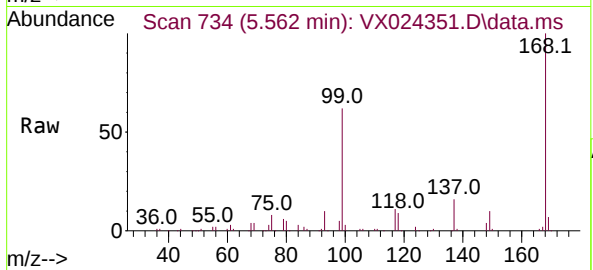
Tgt Ion:	75	Resp:	11301
Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.1	54.4#
77	0.0	25.3	37.9#



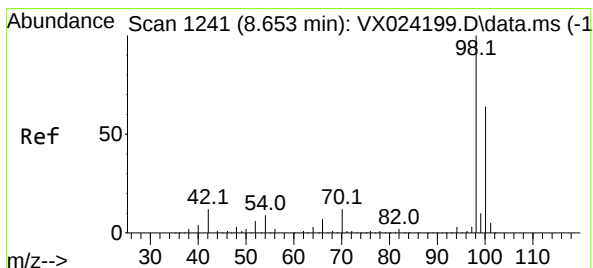
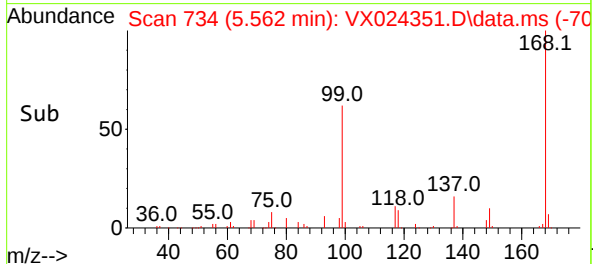
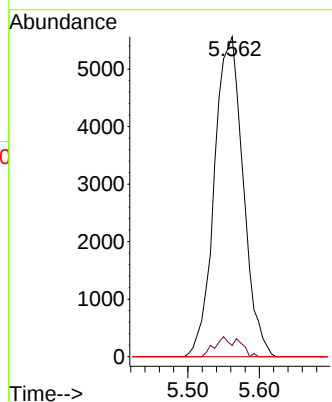


#38
Carbon Tetrachloride
Concen: 5.950 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

Instrument :
MSVOA_X
ClientSampleId :
SW-RR-01-(2.0)

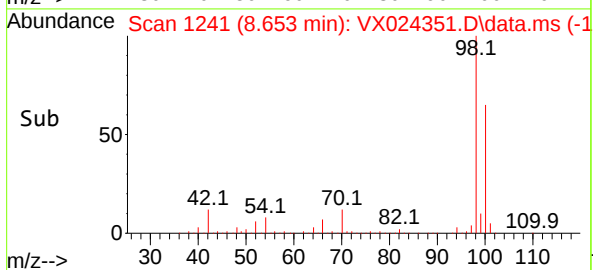
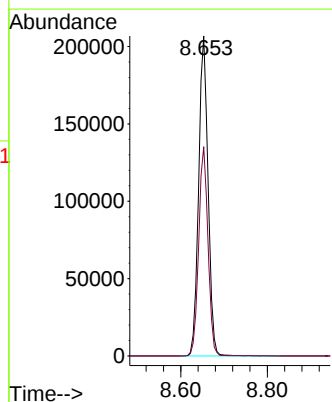
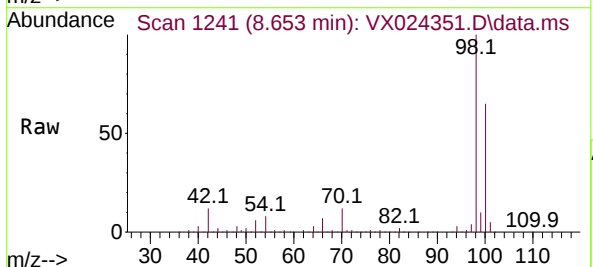


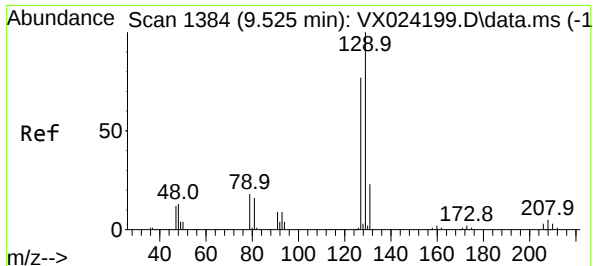
Tgt Ion:117 Resp: 15567
Ion Ratio Lower Upper
117 100
119 3.5 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.562 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

Tgt Ion: 98 Resp: 312322
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9





#60

Dibromochloromethane

Concen: 1.759 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX024351.D

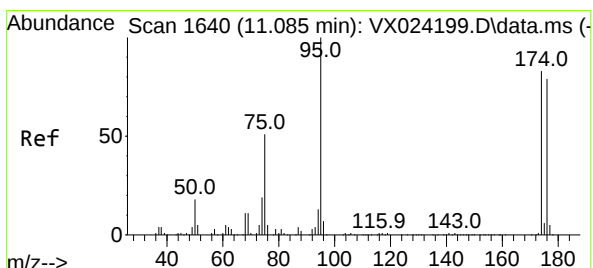
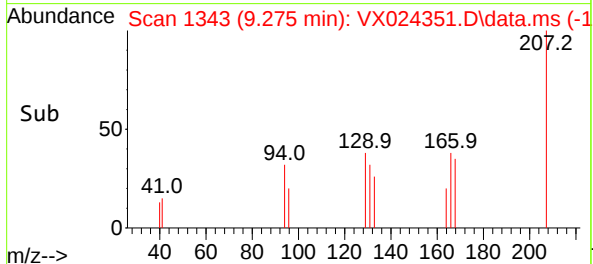
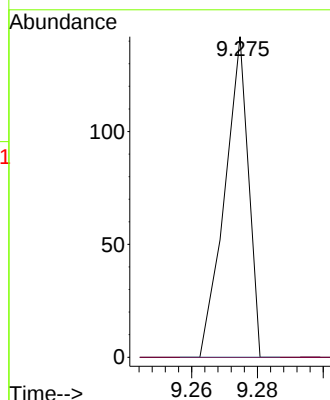
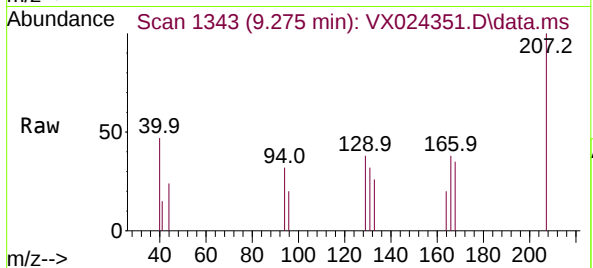
Acq: 20 Sep 2021 15:18

Tgt Ion:129 Resp: 71

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 47.550 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX024351.D

Acq: 20 Sep 2021 15:18

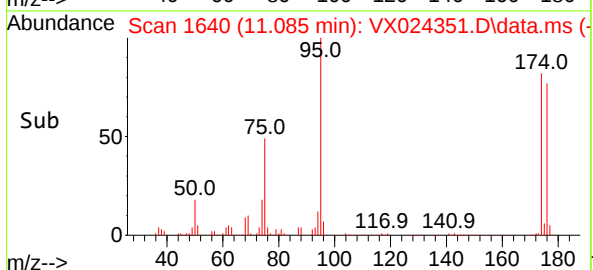
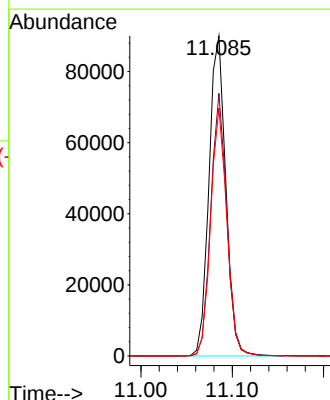
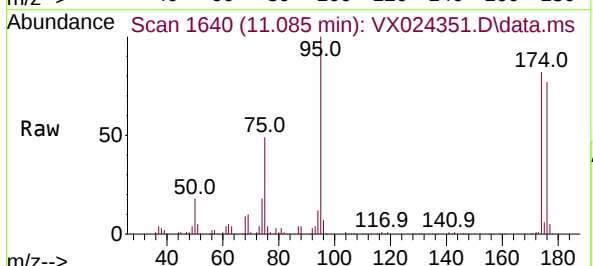
Tgt Ion: 95 Resp: 114304

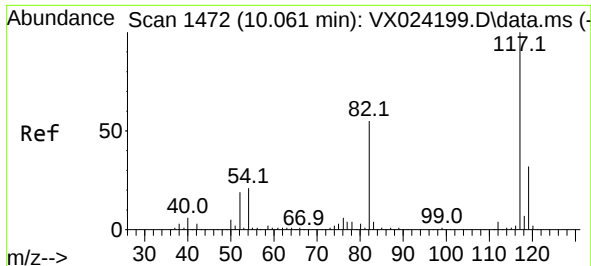
Ion Ratio Lower Upper

95 100

174 79.0 0.0 154.6

176 74.8 0.0 155.8

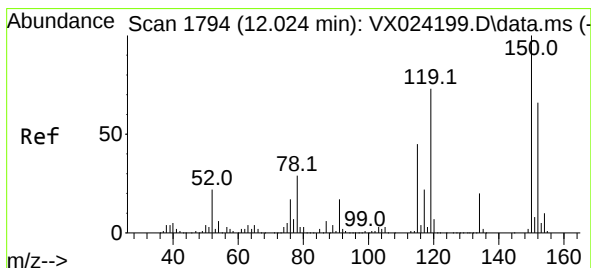
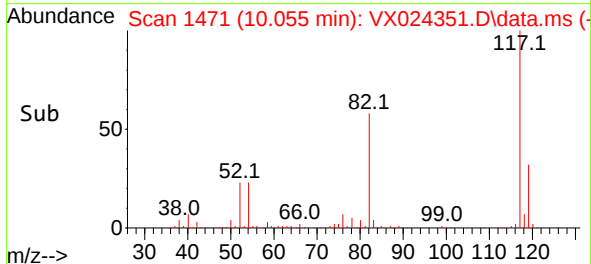
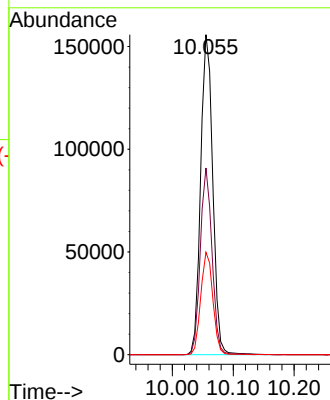
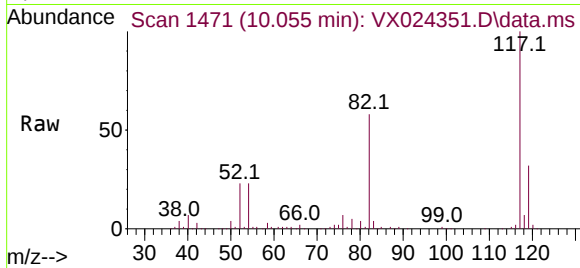




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

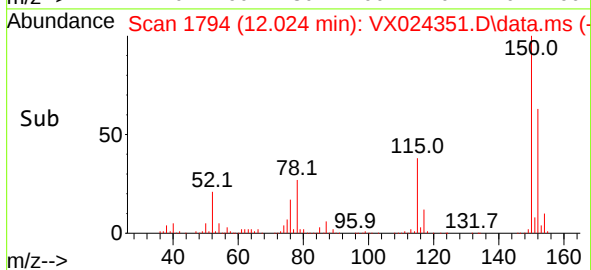
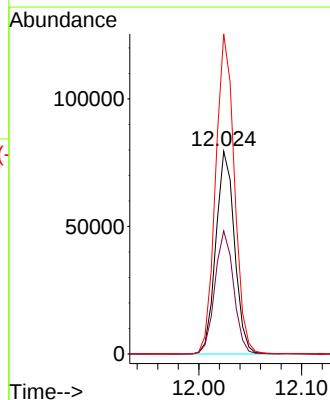
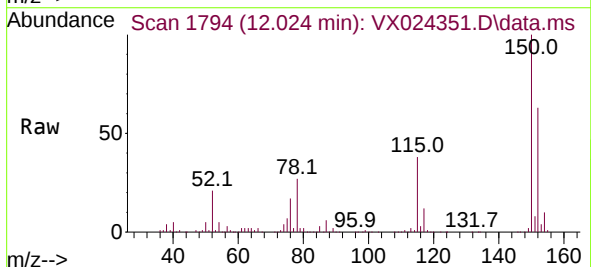
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-01-(2.0)

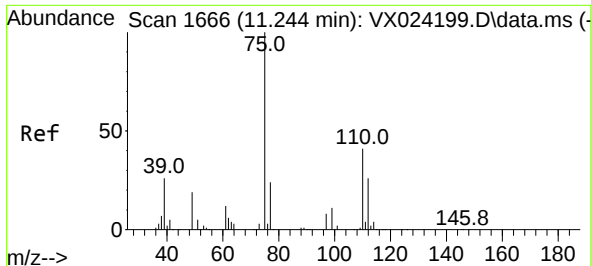
Tgt Ion:117 Resp: 214233
Ion Ratio Lower Upper
117 100
82 58.3 47.4 71.2
119 32.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

Tgt Ion:152 Resp: 99982
Ion Ratio Lower Upper
152 100
115 61.1 41.1 123.3
150 158.8 0.0 349.0

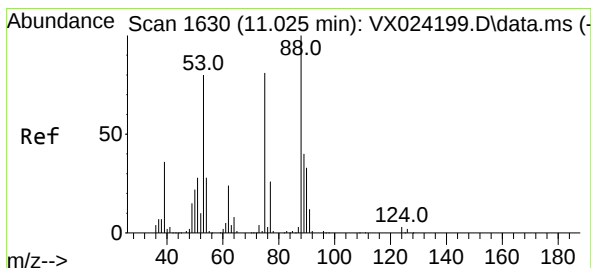
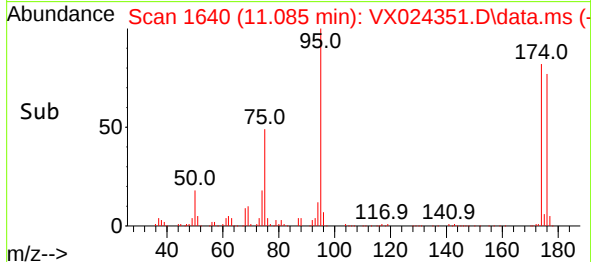
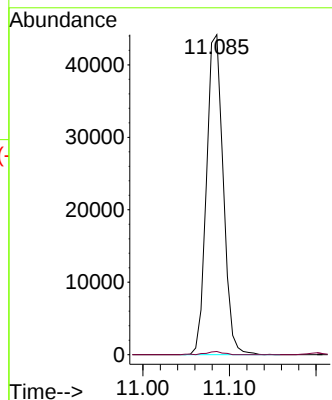
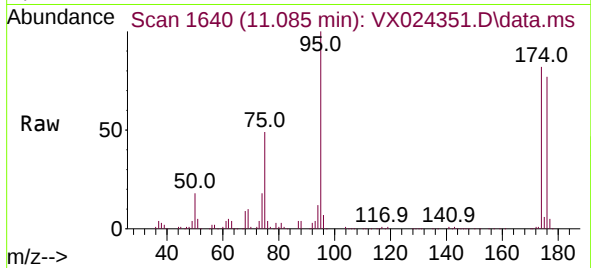




#76
1,2,3-Trichloropropane
Concen: 25.678 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

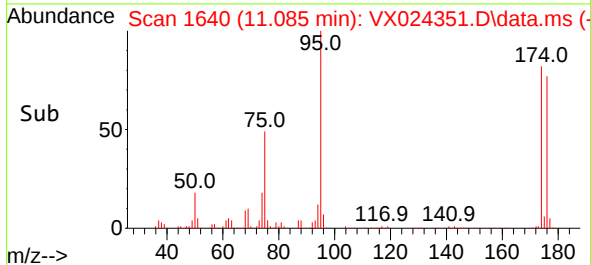
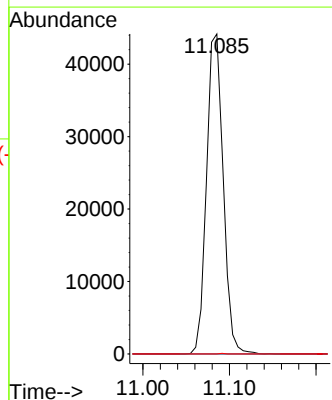
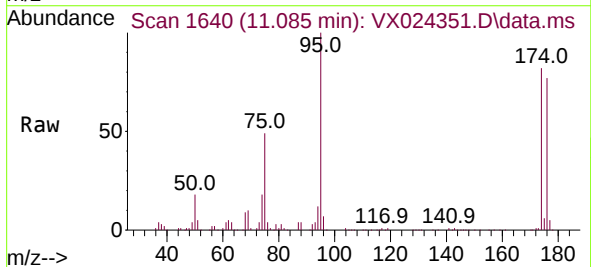
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-01-(2.0)

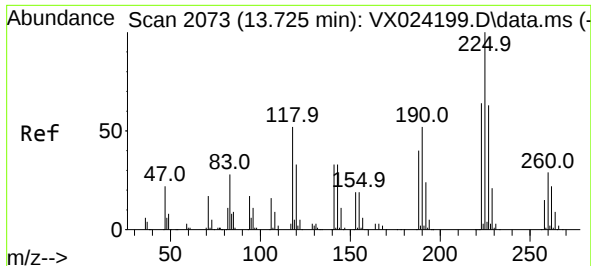
Tgt Ion: 75 Resp: 59033
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.519 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

Tgt Ion: 75 Resp: 59033
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

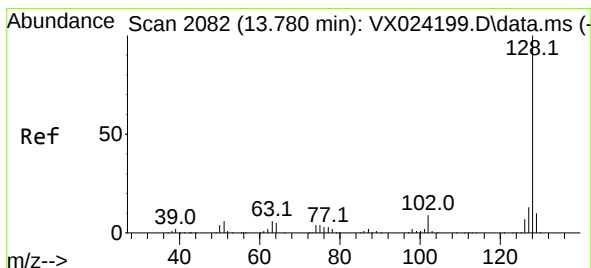
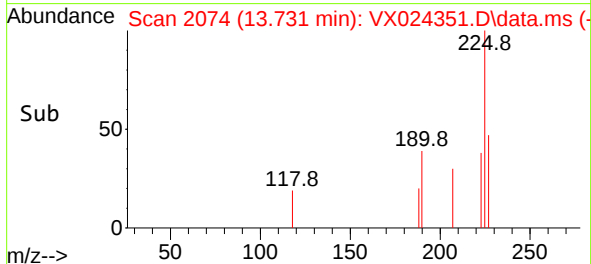
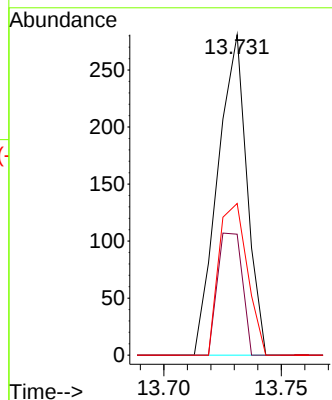
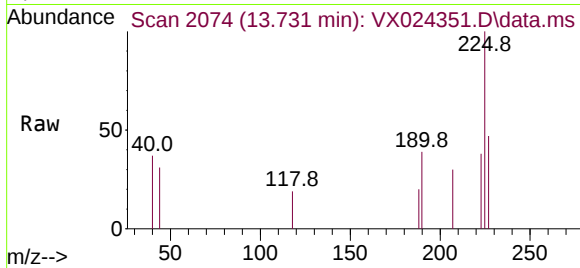




#94
Hexachlorobutadiene
Concen: 0.250 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

Instrument :
MSVOA_X
ClientSampleId :
SW-RR-01-(2.0)

Tgt Ion:225 Resp: 242
Ion Ratio Lower Upper
225 100
223 32.2 31.1 93.2
227 46.3 31.6 95.0



#95
Naphthalene
Concen: 1.397 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024351.D
Acq: 20 Sep 2021 15:18

Tgt Ion:128 Resp: 805
Ion Ratio Lower Upper
128 100
127 8.4 10.3 15.5#
129 0.0 8.8 13.2#

