

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092021\
 Data File : VX024356.D
 Acq On : 20 Sep 2021 17:16
 Operator : JC/MD
 Sample : M3817-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SW-RR-02-(1.0)RE

Quant Time: Sep 21 08:42:20 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)

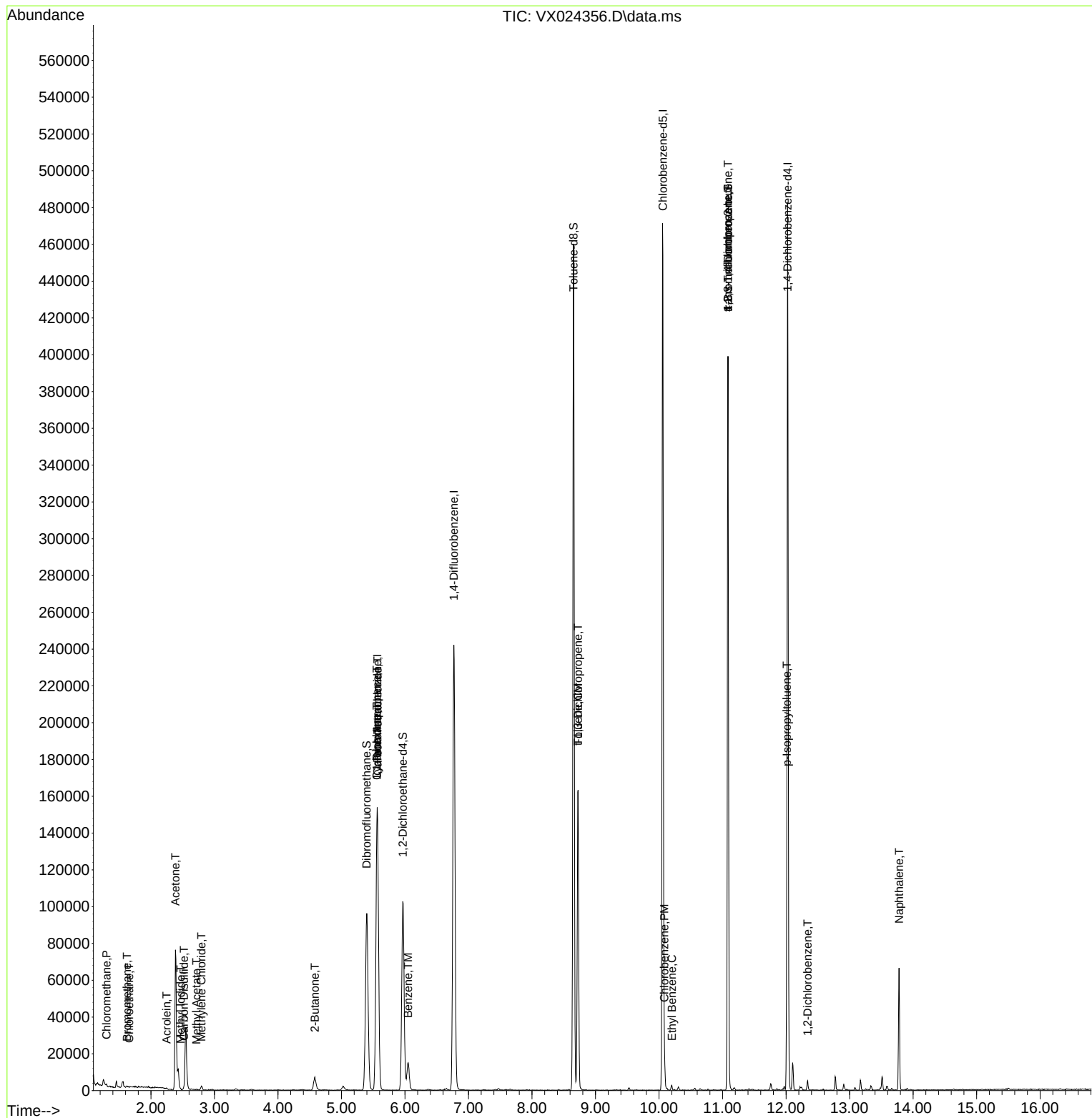
Internal Standards						
1) Pentafluorobenzene	5.562	168	144964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	245811	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	205729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	103998	50.310	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.620%			
35) Dibromofluoromethane	5.397	113	83654	50.745	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.500%			
50) Toluene-d8	8.653	98	258589	43.059	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 86.120%#			
62) 4-Bromofluorobenzene	11.085	95	97142	41.565	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 83.120%			
Target Compounds						Qvalue
3) Chloromethane	1.300	50	573	0.394	ug/l	95
5) Bromomethane	1.624	94	400	0.464	ug/l #	72
6) Chloroethane	1.654	64	280	2.230	ug/l #	43
10) Methyl Iodide	2.465	142	621	0.315	ug/l #	73
11) Tert butyl alcohol	2.971	59	357	Below Cal	#	73
13) Acrolein	2.245	56	153	1.123	ug/l #	53
16) Acetone	2.386	43	79642	90.357	ug/l #	88
17) Carbon Disulfide	2.520	76	1530	0.457	ug/l #	87
18) Methyl Acetate	2.715	43	601	0.217	ug/l #	70
20) Methylene Chloride	2.794	84	1098	0.649	ug/l #	90
25) 2-Butanone	4.580	43	12445	9.586	ug/l	98
31) Cyclohexane	5.556	56	3408	1.409	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11454	5.068	ug/l #	50
38) Carbon Tetrachloride	5.568	117	15125	5.946	ug/l #	15
40) Benzene	6.050	78	17076	2.634	ug/l	92
52) Toluene	8.726	92	60657	14.278	ug/l	99
53) t-1,3-Dichloropropene	8.726	75	793	0.300	ug/l #	1
65) Chlorobenzene	10.085	112	7520	1.777	ug/l	99
67) Ethyl Benzene	10.201	91	1717	0.232	ug/l #	69
76) 1,2,3-Trichloropropane	11.085	75	52759	24.354	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	52759	71.625	ug/l #	12
86) p-Isopropyltoluene	12.012	119	10567	1.760	ug/l	90
91) 1,2-Dichlorobenzene	12.341	146	1554	0.502	ug/l	97
95) Naphthalene	13.780	128	38141	6.806	ug/l	99

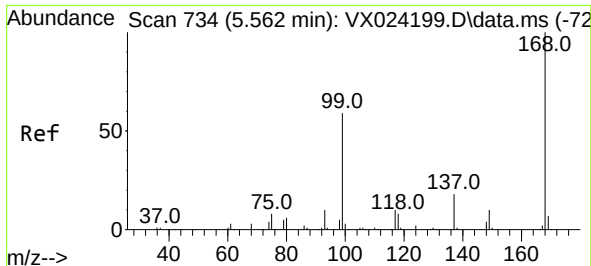
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SW-RR-02-(1.0)RE

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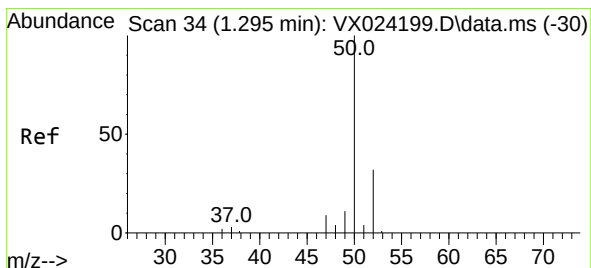
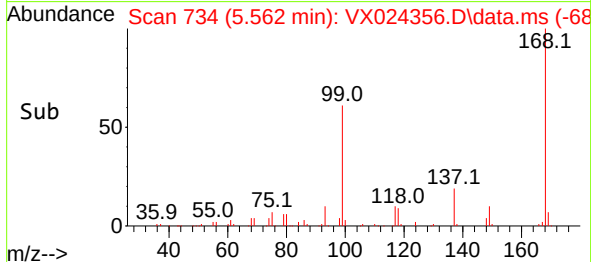
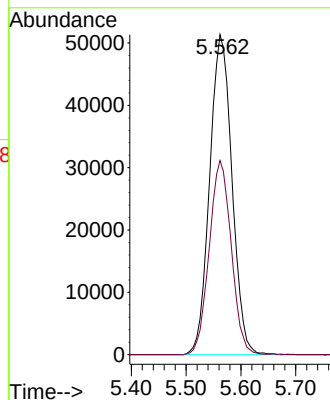
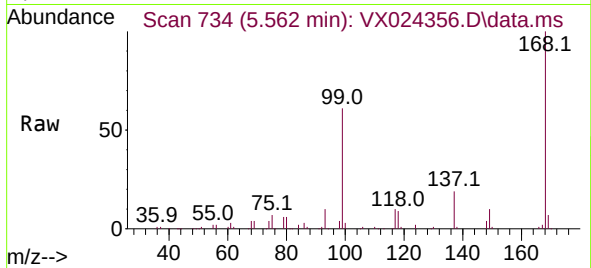




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

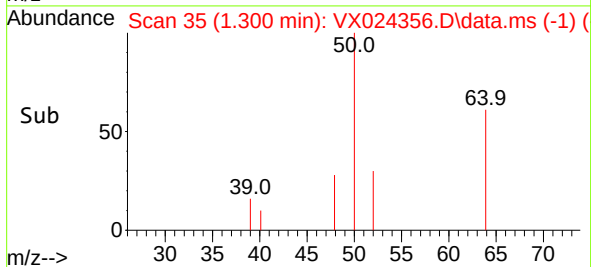
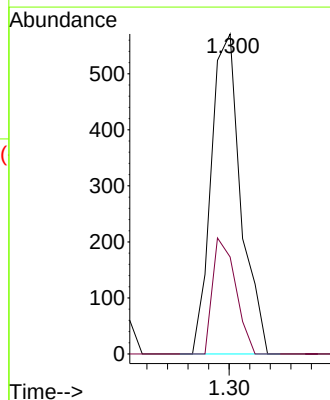
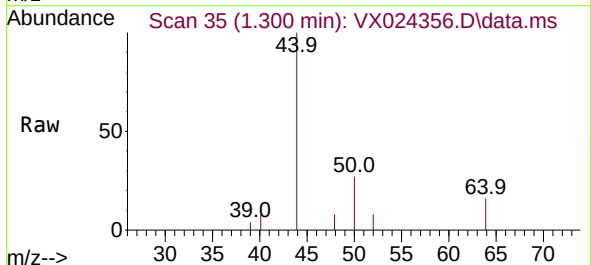
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)RE

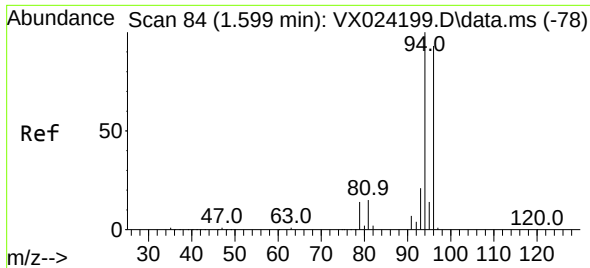
Tgt Ion:168 Resp: 144964
Ion Ratio Lower Upper
168 100
99 60.6 45.8 68.6



#3
Chloromethane
Concen: 0.394 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.005 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

Tgt Ion: 50 Resp: 573
Ion Ratio Lower Upper
50 100
52 30.3 26.4 39.6

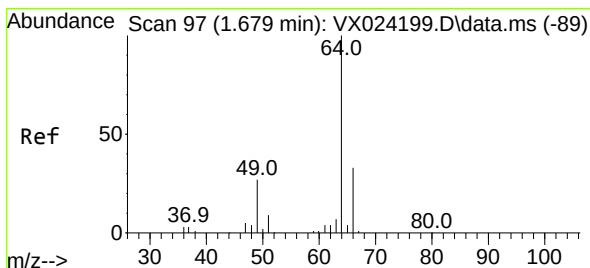
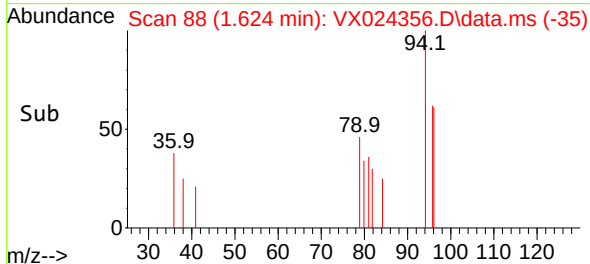
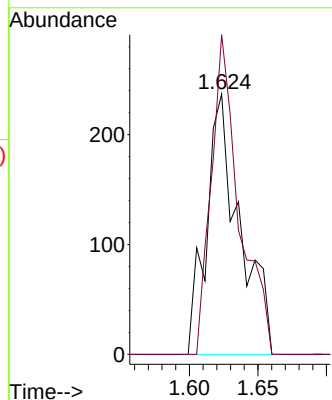
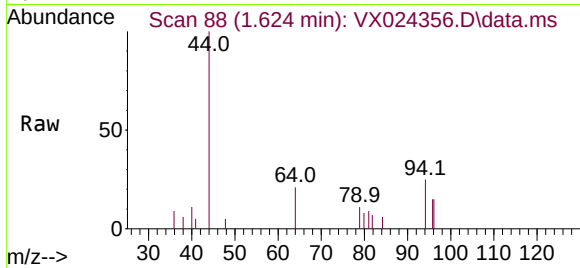




#5
Bromomethane
Concen: 0.464 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

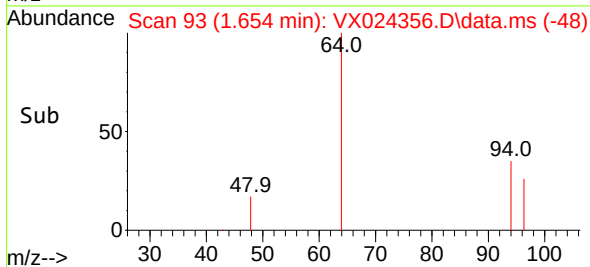
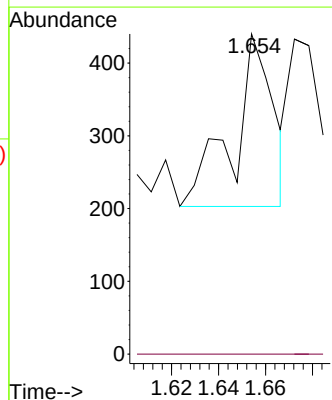
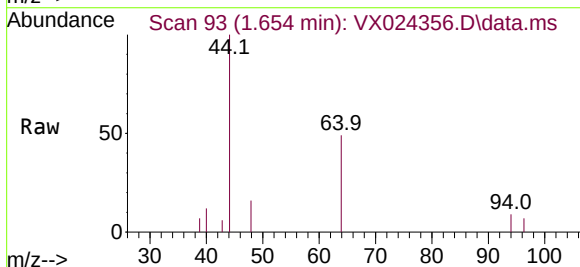
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)RE

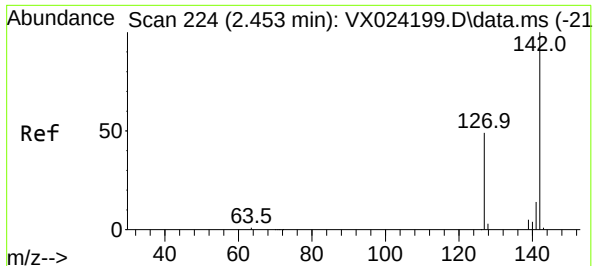
Tgt Ion: 94 Resp: 400
Ion Ratio Lower Upper
94 100
96 122.8 76.4 114.6#



#6
Chloroethane
Concen: 2.230 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.025 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

Tgt Ion: 64 Resp: 280
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

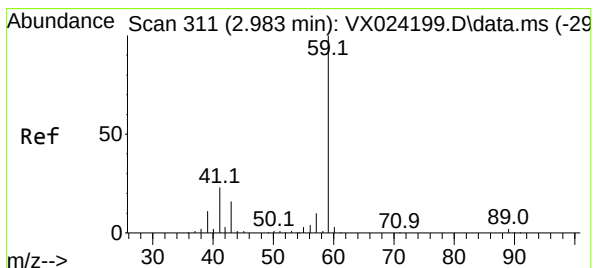
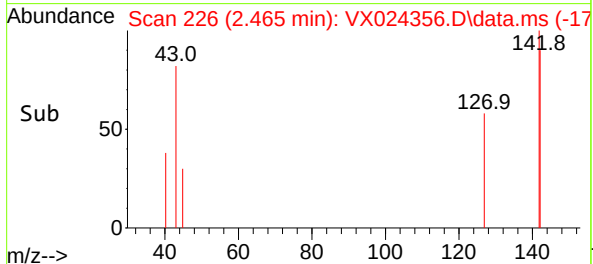
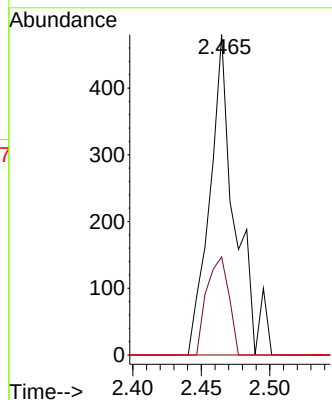
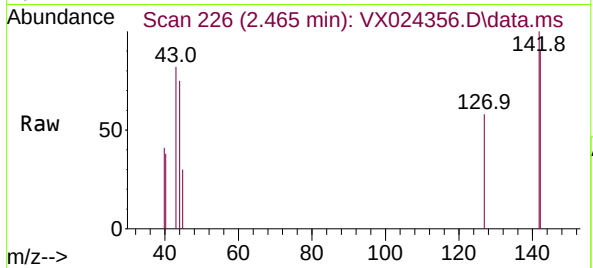




#10
Methyl Iodide
Concen: 0.315 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

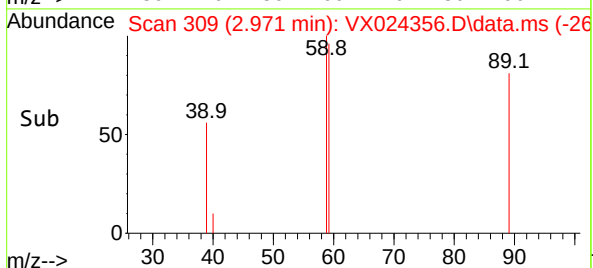
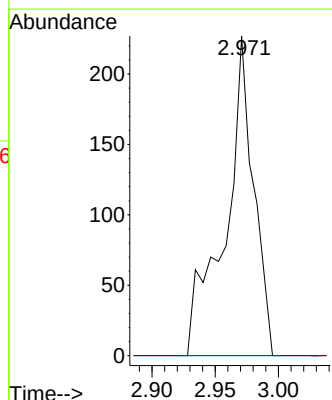
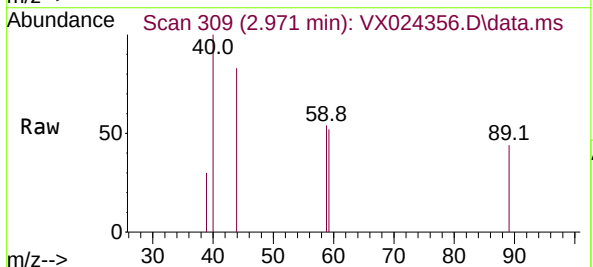
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)RE

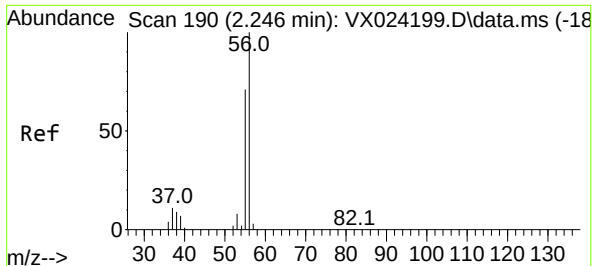
Tgt Ion:142 Resp: 621
Ion Ratio Lower Upper
142 100
127 26.6 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

Tgt Ion: 59 Resp: 357
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

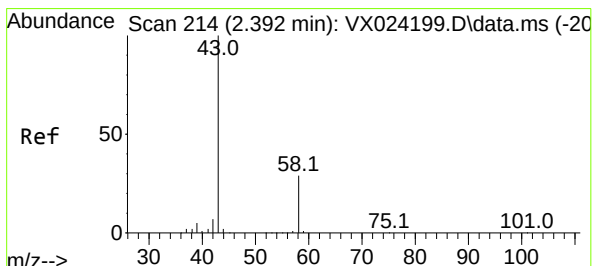
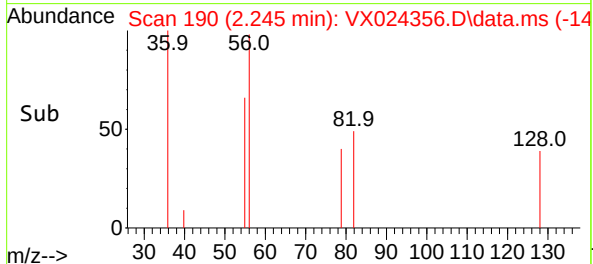
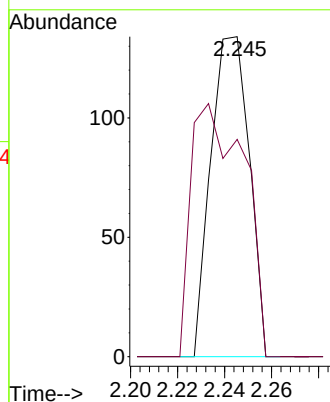
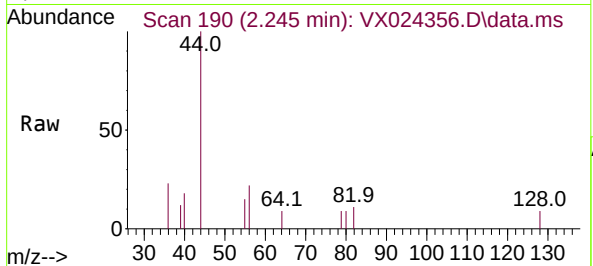




#13
Acrolein
Concen: 1.123 ug/l
RT: 2.245 min Scan# 190
Delta R.T. -0.001 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

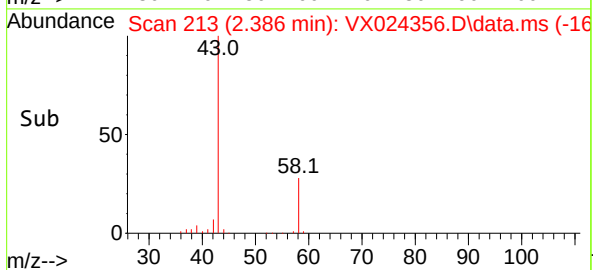
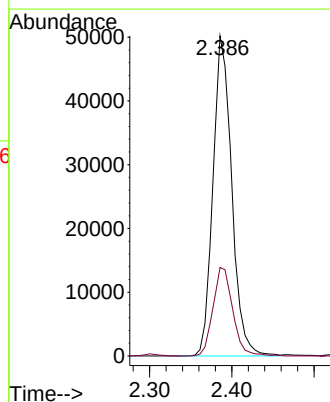
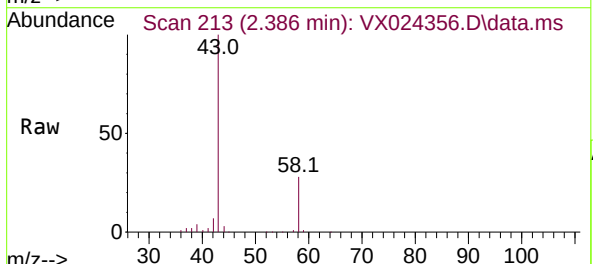
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)RE

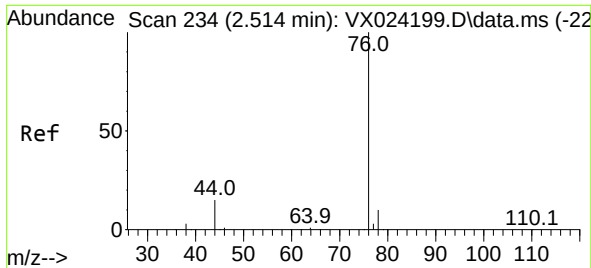
Tgt Ion: 56 Resp: 153
Ion Ratio Lower Upper
56 100
55 109.2 56.4 84.6#



#16
Acetone
Concen: 90.357 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

Tgt Ion: 43 Resp: 79642
Ion Ratio Lower Upper
43 100
58 27.6 27.8 41.8#

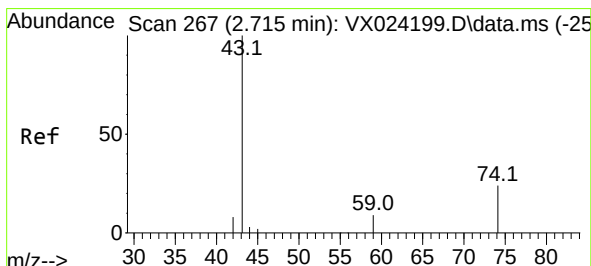
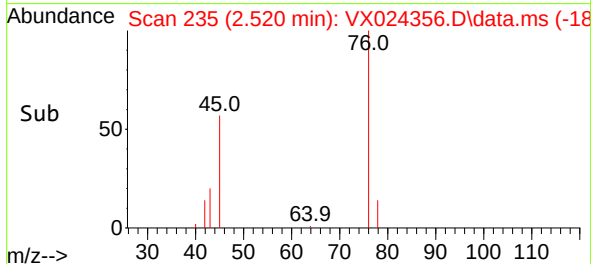
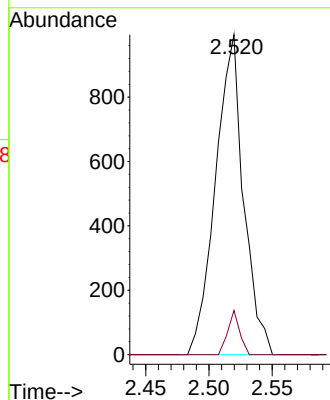
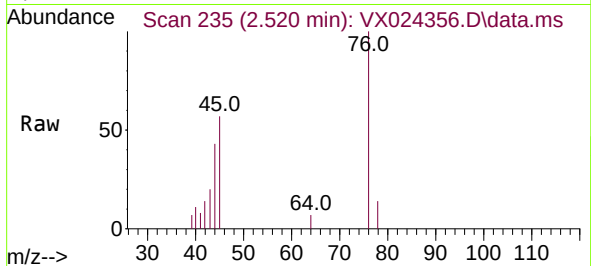




#17
Carbon Disulfide
Concen: 0.457 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

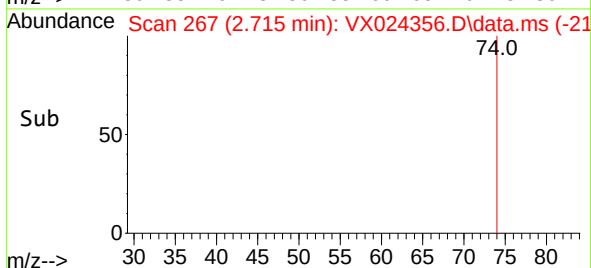
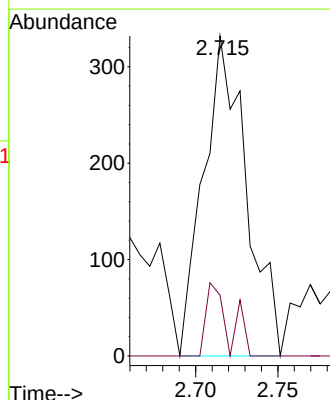
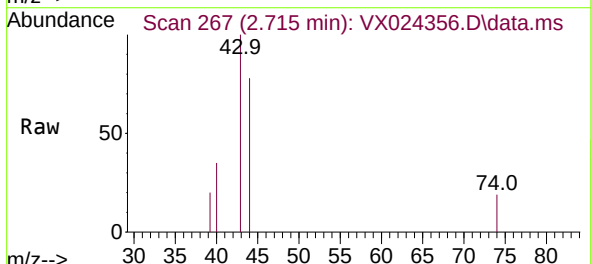
Instrument :
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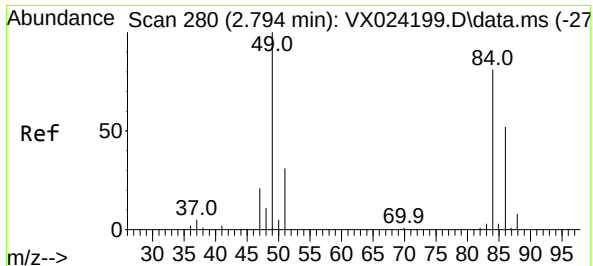
Tgt Ion: 76 Resp: 1530
Ion Ratio Lower Upper
76 100
78 13.8 7.2 10.8#



#18
Methyl Acetate
Concen: 0.217 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

Tgt Ion: 43 Resp: 601
Ion Ratio Lower Upper
43 100
74 12.0 21.9 32.9#

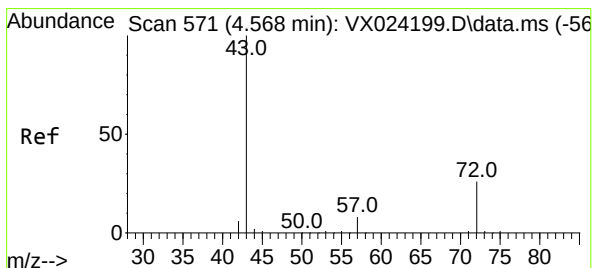
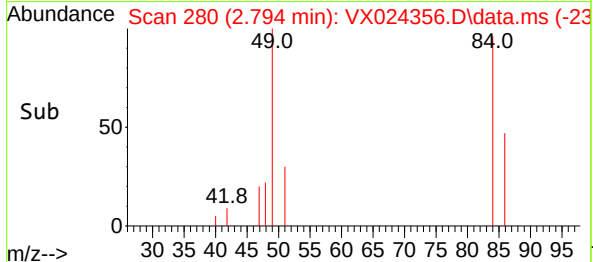
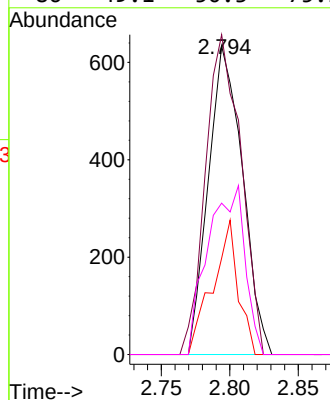
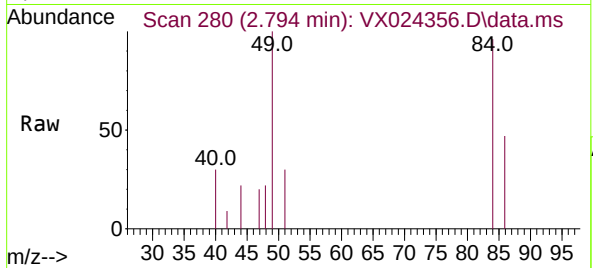




#20
Methylene Chloride
Concen: 0.649 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

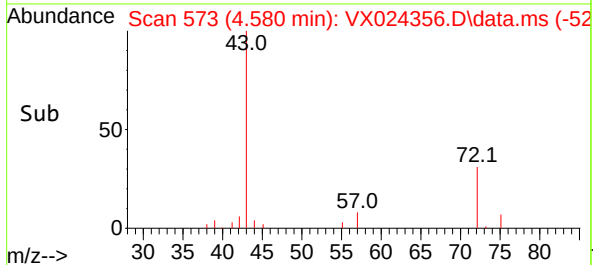
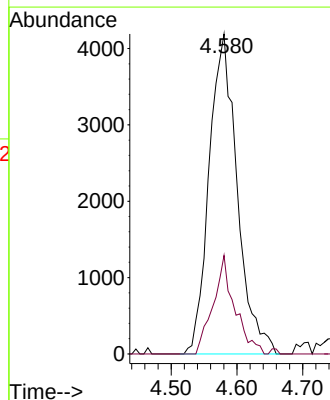
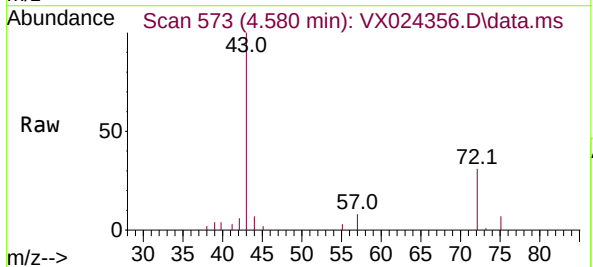
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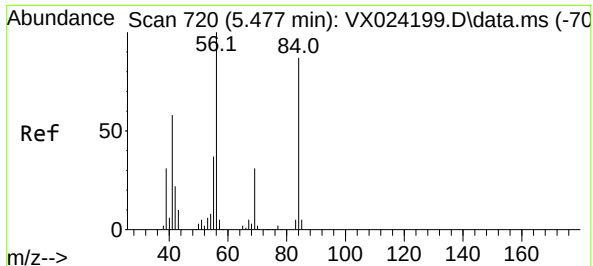
Tgt Ion:	84	Resp:	1098
Ion	Ratio	Lower	Upper
84	100		
49	103.6	88.6	132.8
51	31.2	27.0	40.6
86	49.1	50.3	75.5#



#25
2-Butanone
Concen: 9.586 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

Tgt Ion:	43	Resp:	12445
Ion	Ratio	Lower	Upper
43	100		
72	30.8	23.7	35.5

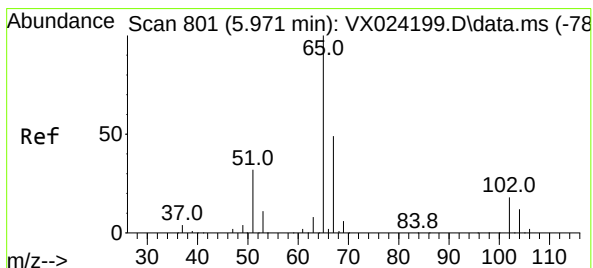
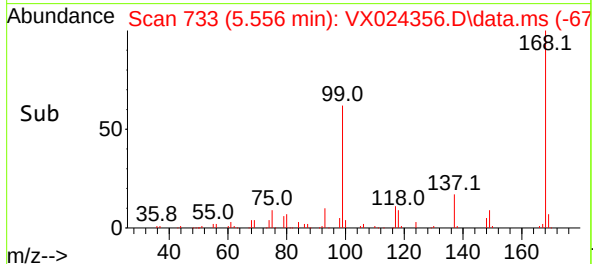
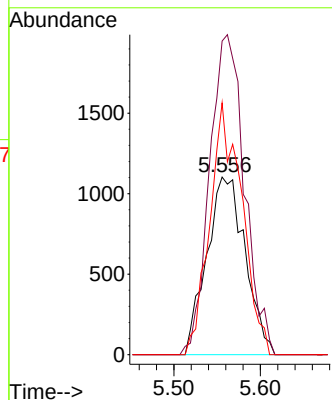
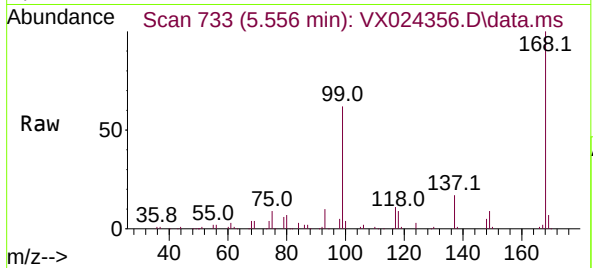




#31
Cyclohexane
Concen: 1.409 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

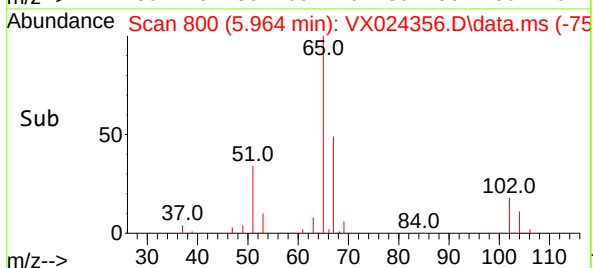
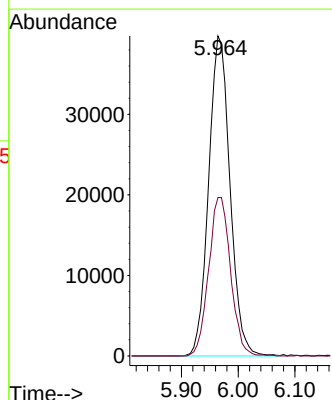
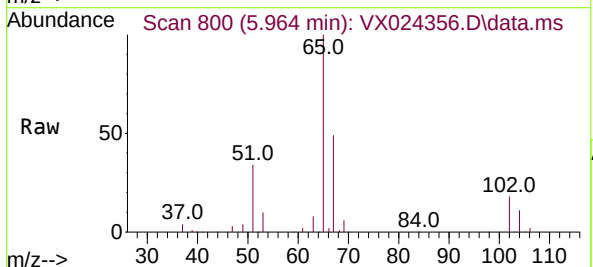
Instrument :
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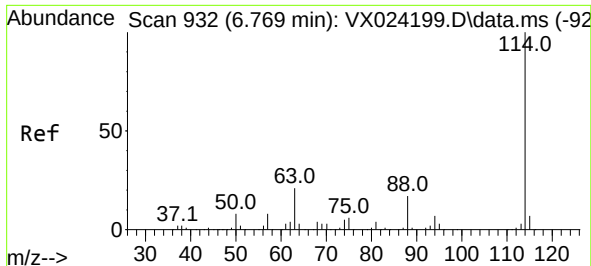
Tgt Ion: 56 Resp: 3408
Ion Ratio Lower Upper
56 100
69 176.6 25.3 37.9#
84 141.9 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 50.310 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

Tgt Ion: 65 Resp: 103998
Ion Ratio Lower Upper
65 100
67 50.9 0.0 105.4

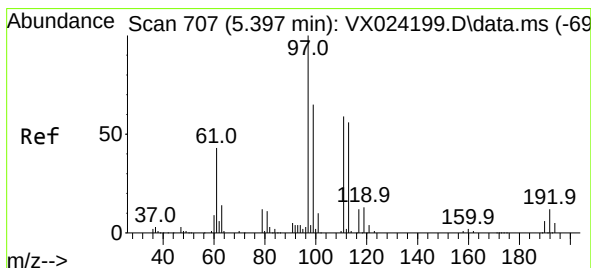
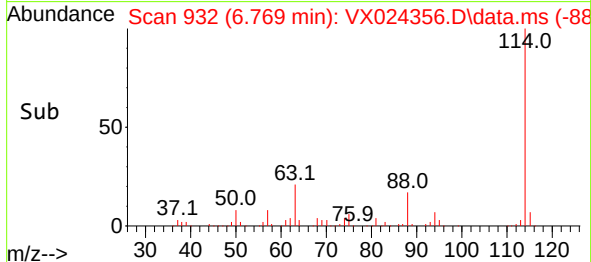
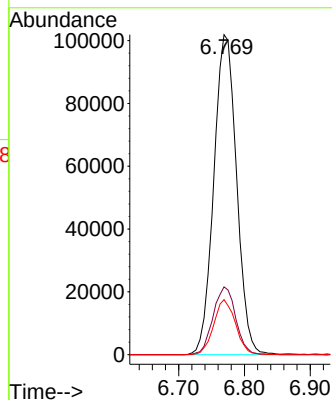
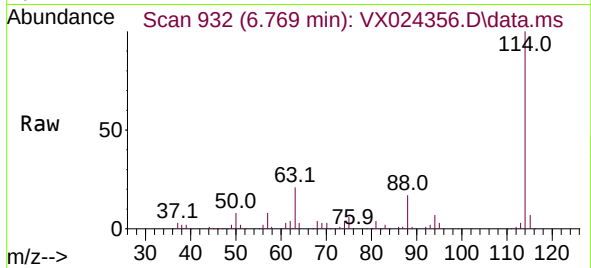




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

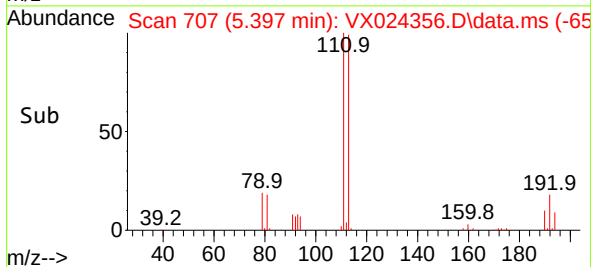
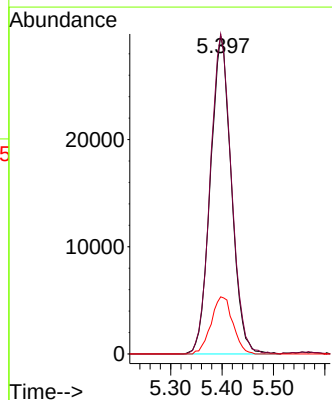
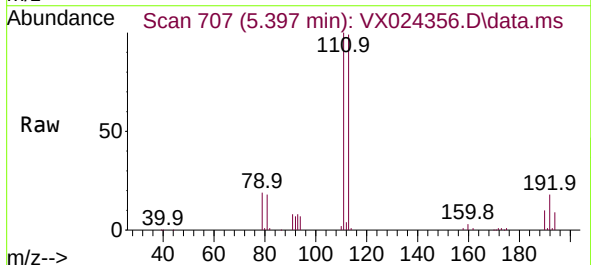
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)RE

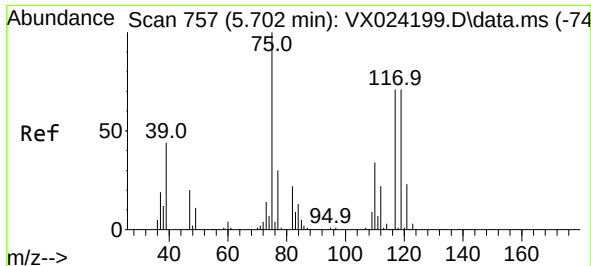
Tgt Ion:114 Resp: 245811
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.8
88 17.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.745 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

Tgt Ion:113 Resp: 83654
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 18.7 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.068 ug/l

RT: 5.556 min Scan# 733

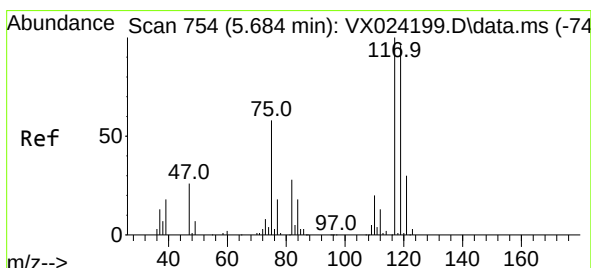
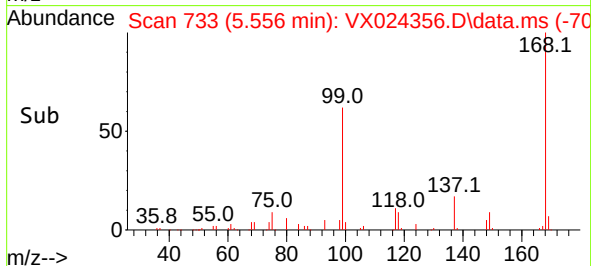
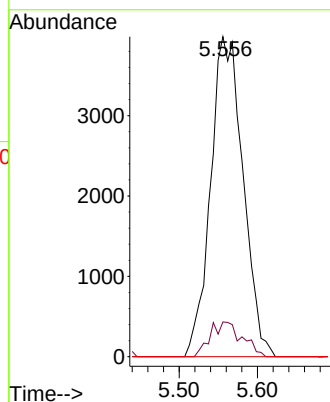
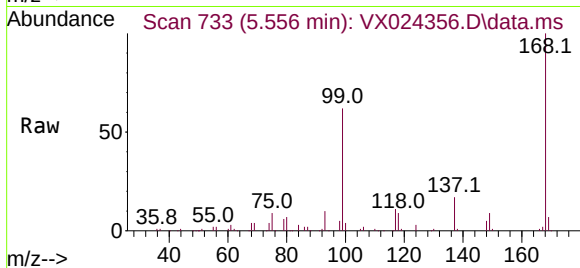
Delta R.T. -0.146 min

Lab File: VX024356.D

Acq: 20 Sep 2021 17:16

Tgt Ion:	75	Resp:	11454
Ion	Ratio	Lower	Upper
75	100		
110	10.7	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)RE



#38

Carbon Tetrachloride

Concen: 5.946 ug/l

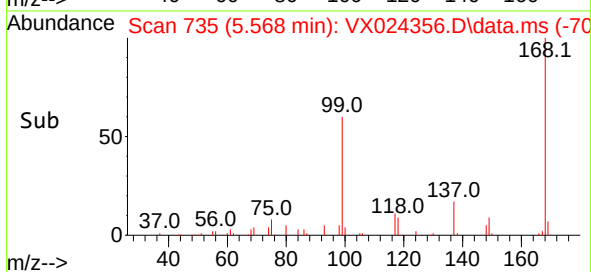
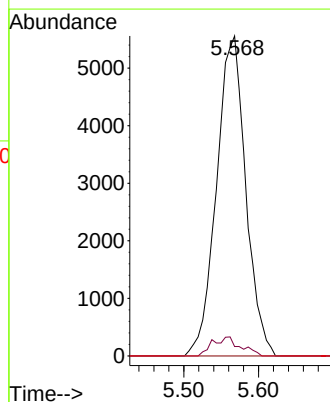
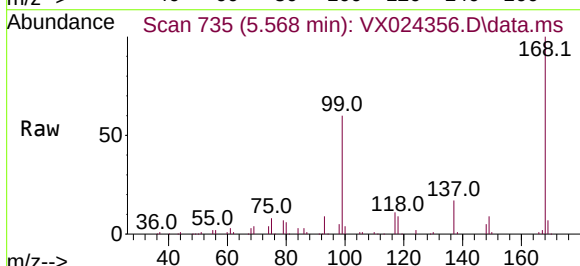
RT: 5.568 min Scan# 735

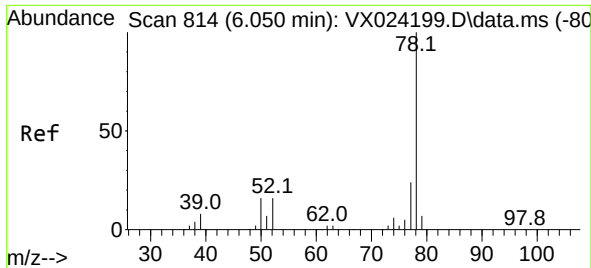
Delta R.T. -0.116 min

Lab File: VX024356.D

Acq: 20 Sep 2021 17:16

Tgt Ion:	117	Resp:	15125
Ion	Ratio	Lower	Upper
117	100		
119	3.0	76.2	114.2#
121	0.0	24.8	37.2#

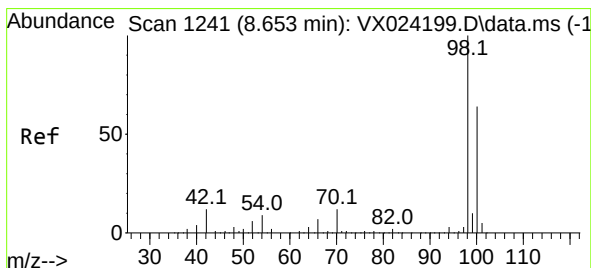
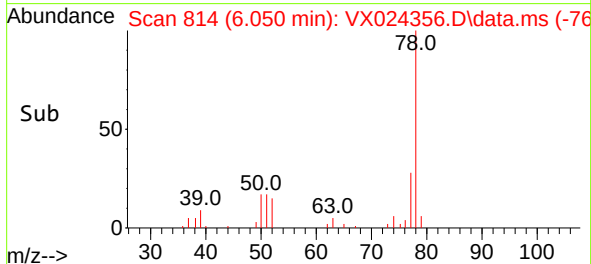
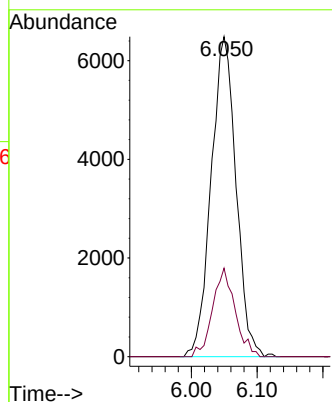
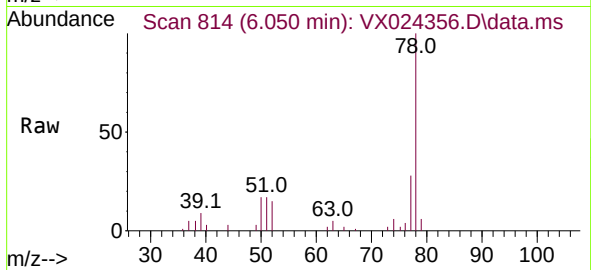




#40
Benzene
Concen: 2.634 ug/l
RT: 6.050 min Scan# 814
Delta R.T. -0.000 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

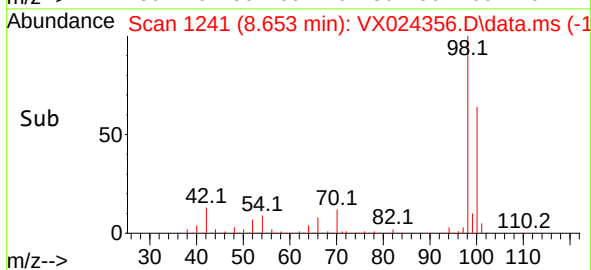
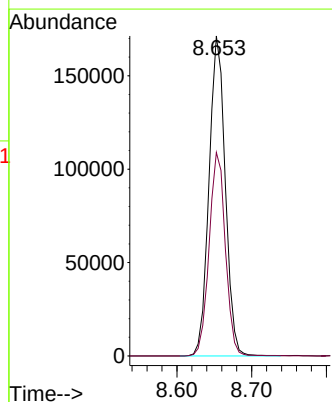
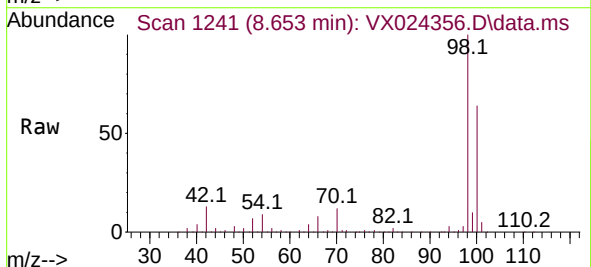
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)RE

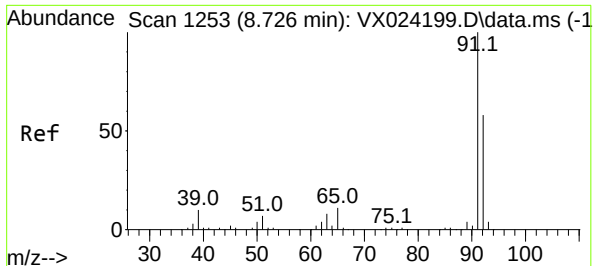
Tgt Ion: 78 Resp: 17076
Ion Ratio Lower Upper
78 100
77 27.7 18.9 28.3



#50
Toluene-d8
Concen: 43.059 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

Tgt Ion: 98 Resp: 258589
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9





#52

Toluene

Concen: 14.278 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. -0.000 min

Lab File: VX024356.D

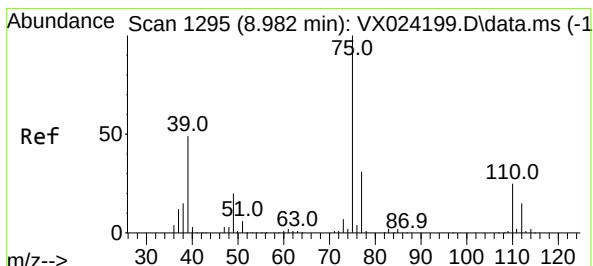
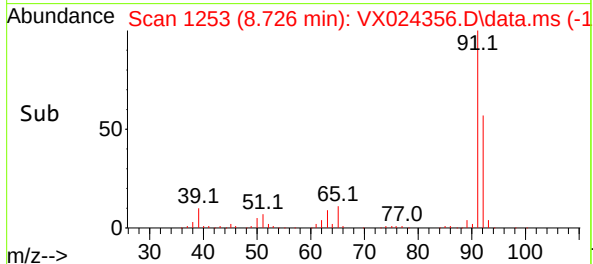
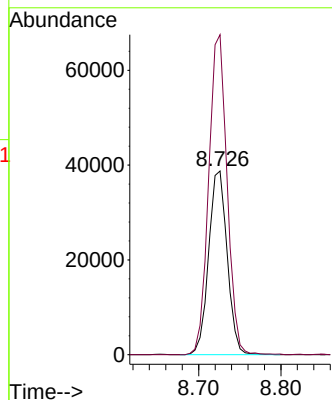
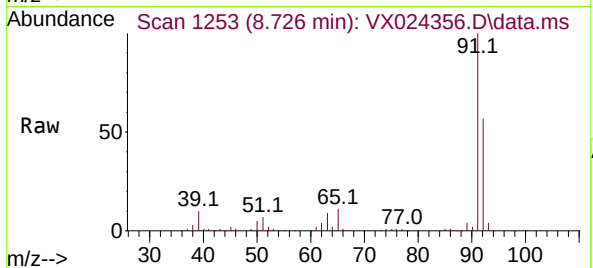
Acq: 20 Sep 2021 17:16

Tgt Ion: 92 Resp: 60657

Ion Ratio Lower Upper

92 100

91 172.9 137.1 205.7



#53

t-1,3-Dichloropropene

Concen: 0.300 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. -0.256 min

Lab File: VX024356.D

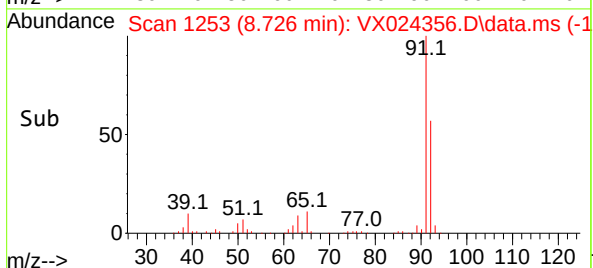
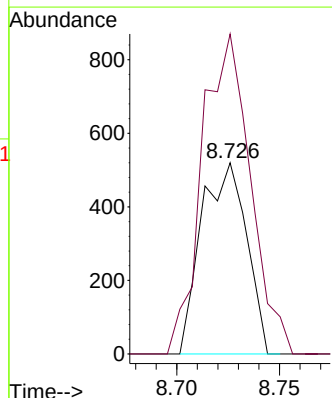
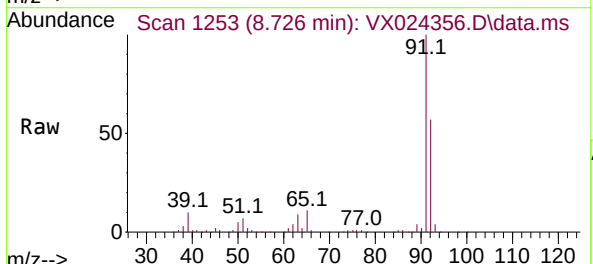
Acq: 20 Sep 2021 17:16

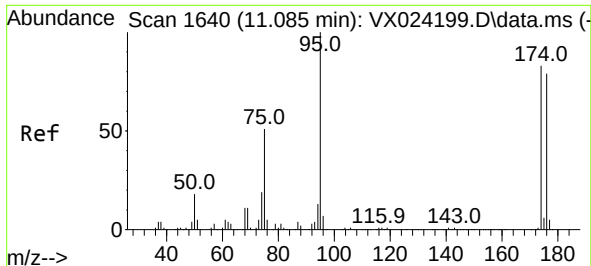
Tgt Ion: 75 Resp: 793

Ion Ratio Lower Upper

75 100

77 147.9 24.9 37.3#

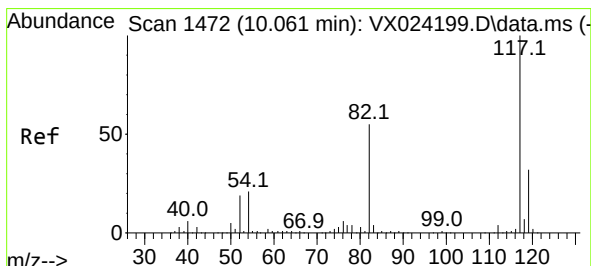
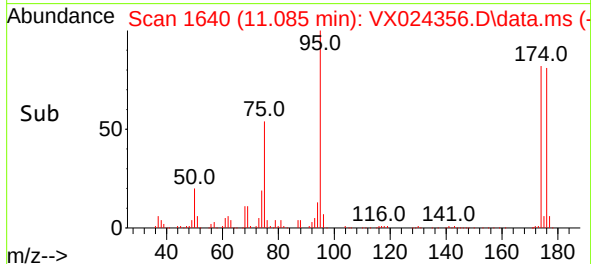
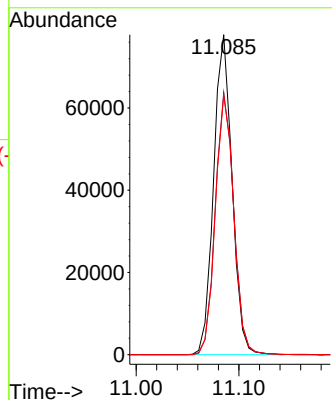
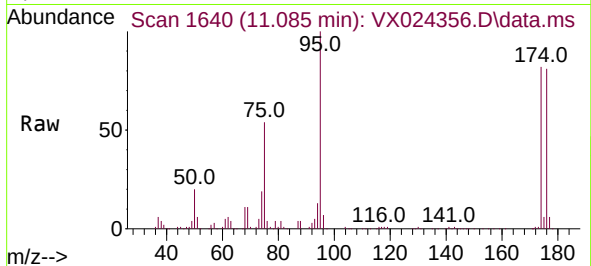




#62
4-Bromofluorobenzene
Concen: 41.565 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

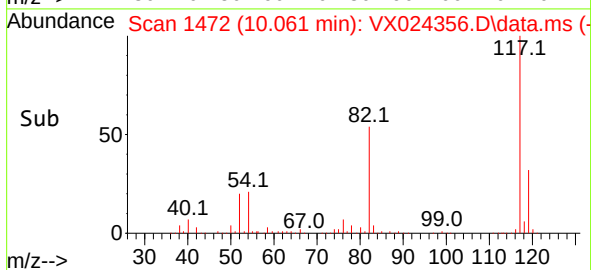
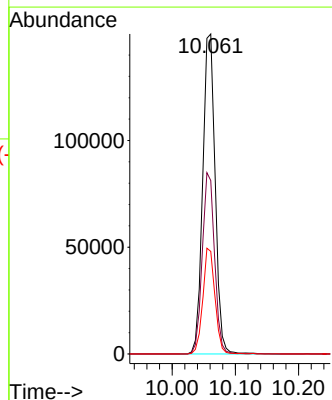
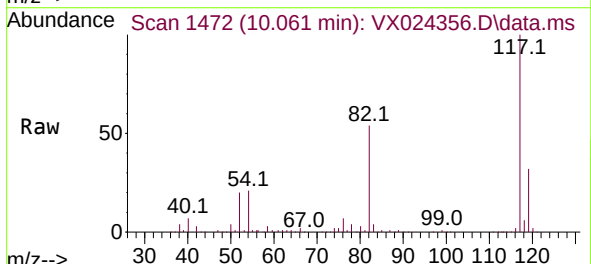
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)RE

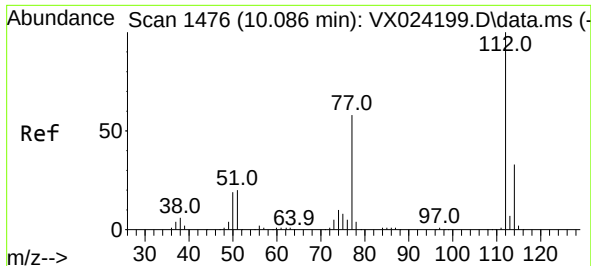
Tgt Ion: 95 Resp: 97142
Ion Ratio Lower Upper
95 100
174 82.0 0.0 154.6
176 81.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

Tgt Ion: 117 Resp: 205729
Ion Ratio Lower Upper
117 100
82 54.2 47.4 71.2
119 32.1 26.6 39.8

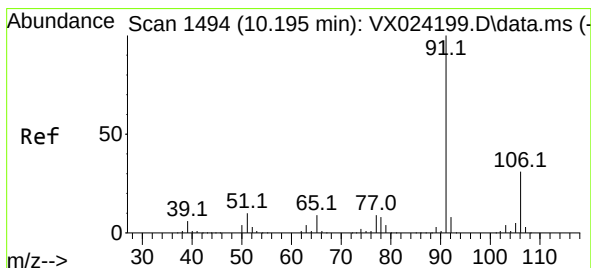
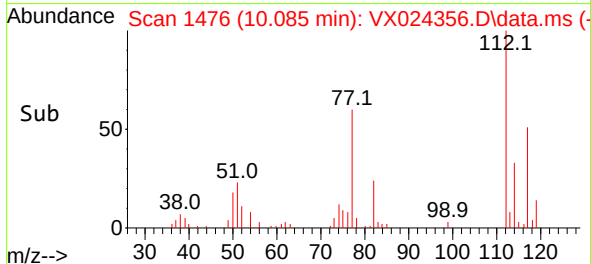
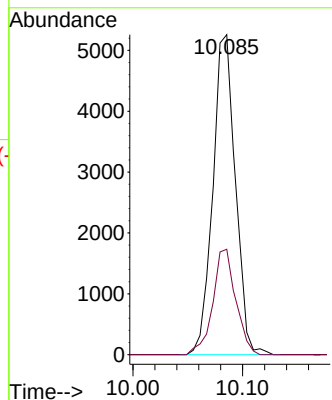
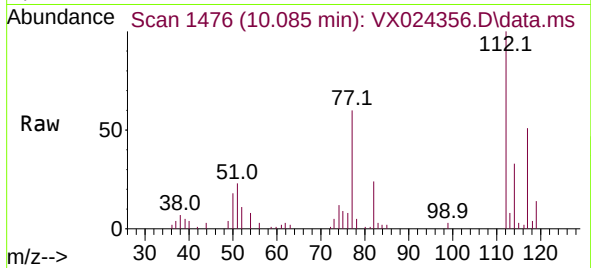




#65
Chlorobenzene
Concen: 1.777 ug/l
RT: 10.085 min Scan# 1476
Delta R.T. -0.001 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

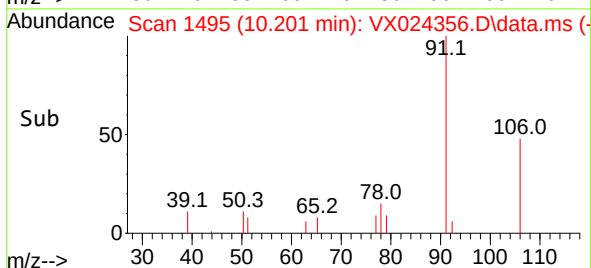
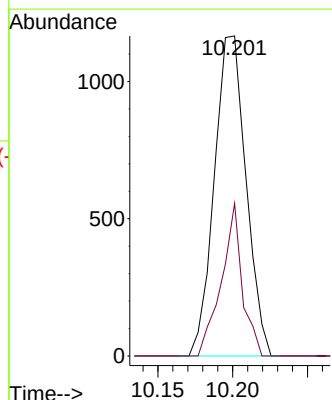
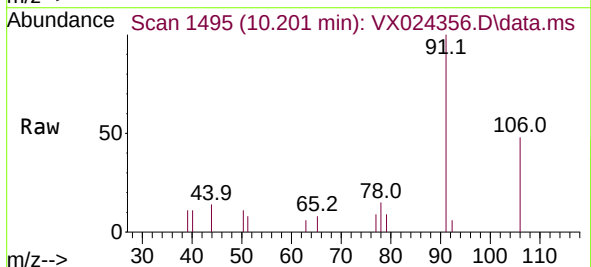
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)RE

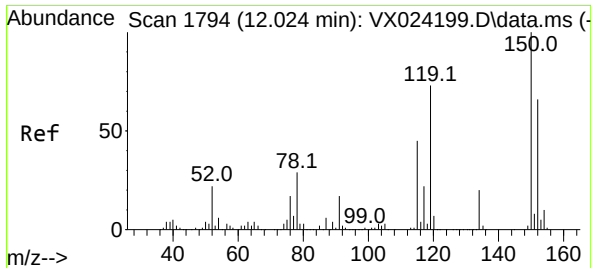
Tgt Ion:112 Resp: 7520
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.6



#67
Ethyl Benzene
Concen: 0.232 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

Tgt Ion: 91 Resp: 1717
Ion Ratio Lower Upper
91 100
106 47.7 24.6 37.0#

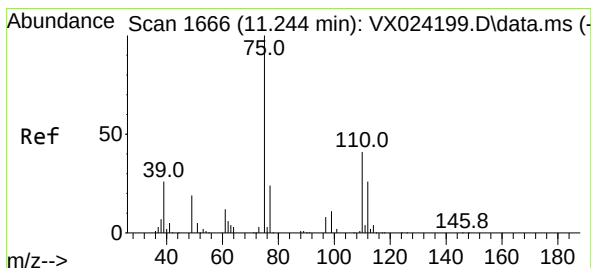
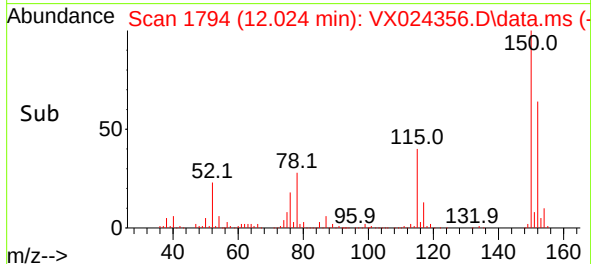
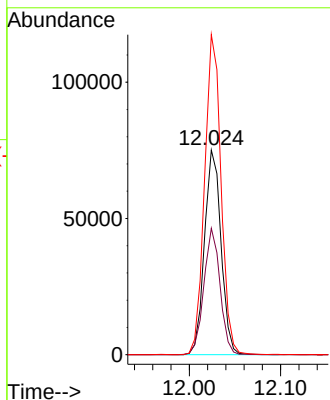
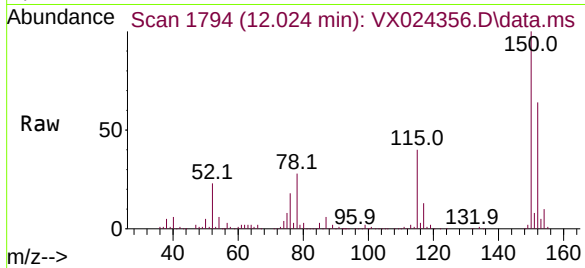




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024356.D
 Acq: 20 Sep 2021 17:16

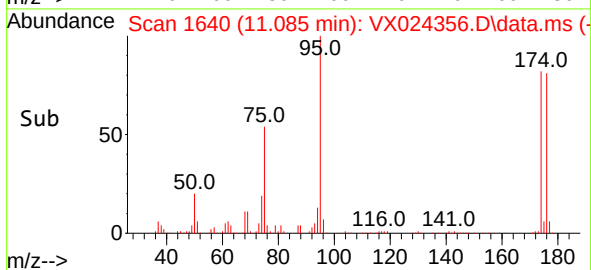
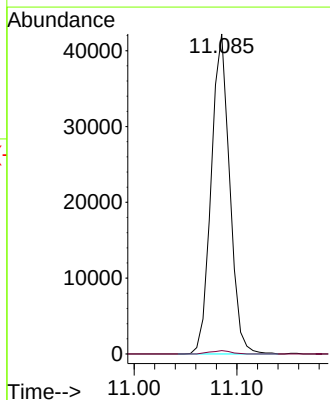
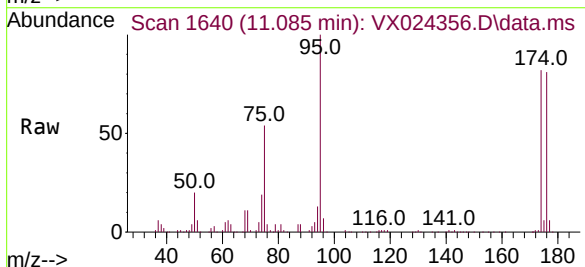
Instrument :
 MSVOA_X
 ClientSampleId :
 SW-RR-02-(1.0)RE

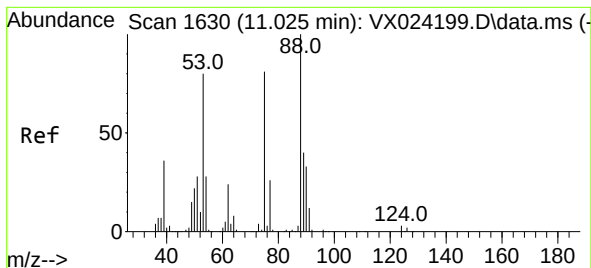
Tgt Ion:152 Resp: 94213
 Ion Ratio Lower Upper
 152 100
 115 60.4 41.1 123.3
 150 155.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.354 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024356.D
 Acq: 20 Sep 2021 17:16

Tgt Ion: 75 Resp: 52759
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

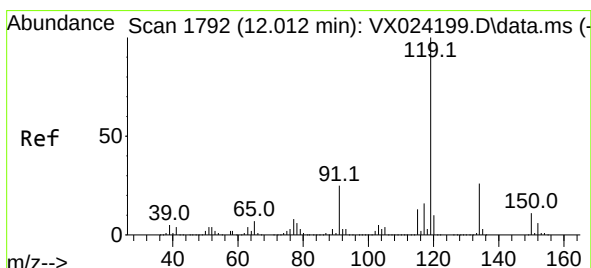
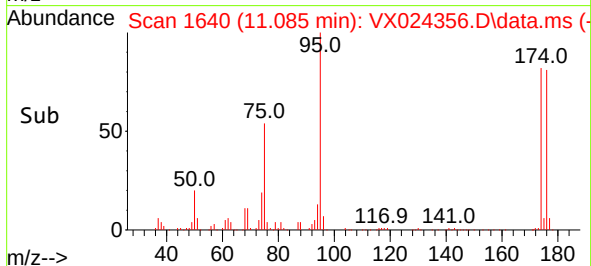
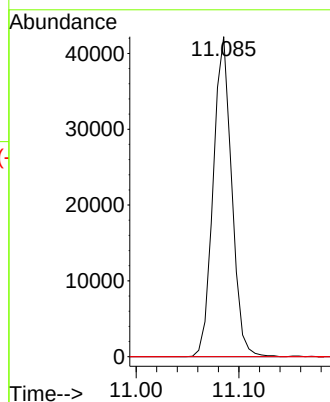
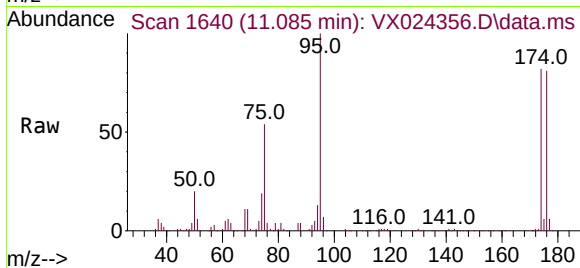




#81
trans-1,4-Dichloro-2-butene
Concen: 71.625 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

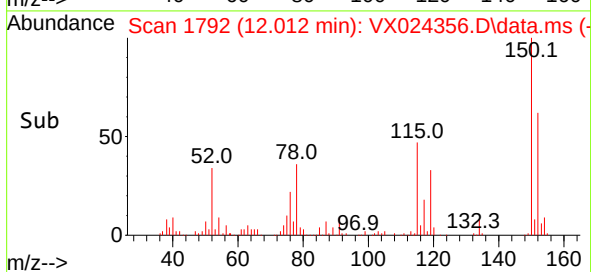
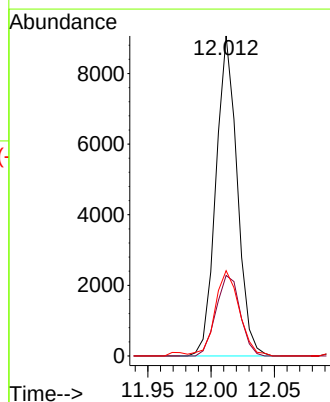
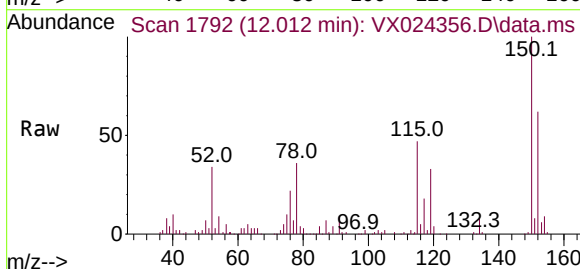
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)RE

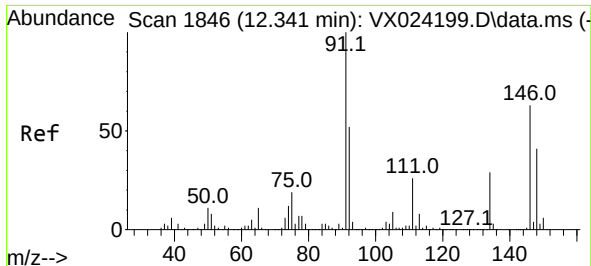
Tgt Ion: 75 Resp: 52759
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#86
p-Isopropyltoluene
Concen: 1.760 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

Tgt Ion: 119 Resp: 10567
Ion Ratio Lower Upper
119 100
134 28.5 12.9 38.7
91 30.4 11.7 35.0

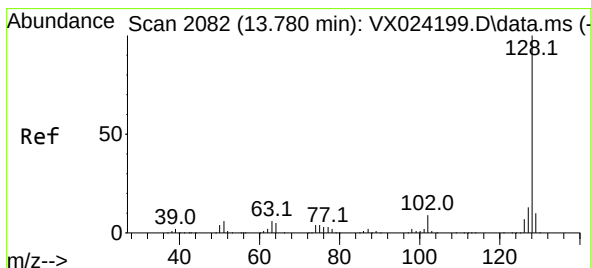
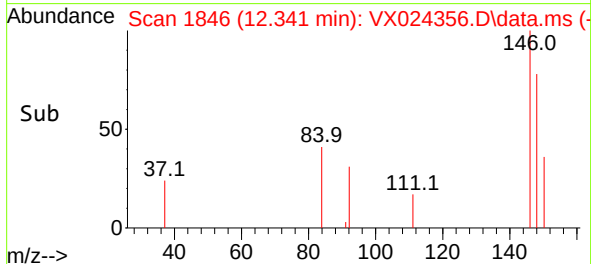
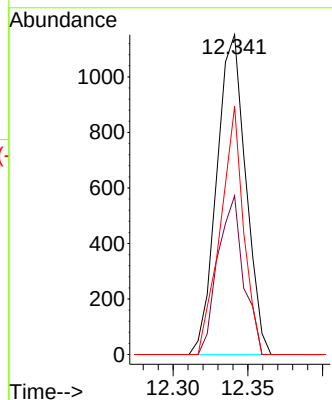
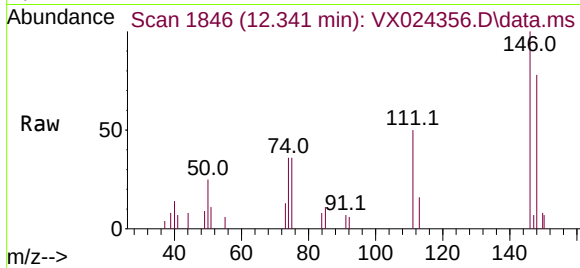




#91
1,2-Dichlorobenzene
Concen: 0.502 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.000 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)RE

Tgt Ion:146 Resp: 1554
Ion Ratio Lower Upper
146 100
111 44.0 20.8 62.2
148 61.9 31.9 95.5



#95
Naphthalene
Concen: 6.806 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024356.D
Acq: 20 Sep 2021 17:16

Tgt Ion:128 Resp: 38141
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.7 8.8 13.2

