

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092121\
 Data File : VX024395.D
 Acq On : 21 Sep 2021 18:47
 Operator : JC/MD
 Sample : M3835-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Oct 01 04:08:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 21 10:52:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	149673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	262606	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	109828	51.459	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 102.920%		
35) Dibromofluoromethane	5.397	113	88410	50.200	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.400%		
50) Toluene-d8	8.653	98	327265	51.009	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 102.020%		
62) 4-Bromofluorobenzene	11.085	95	104695	41.932	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 83.860%		
Target Compounds						
						Qvalue
5) Bromomethane	1.624	94	341	0.383	ug/l #	79
6) Chloroethane	1.685	64	246	0.249	ug/l #	43
8) Diethyl Ether	2.148	74	363	0.418	ug/l	97
11) Tert butyl alcohol	2.959	59	287	Below Cal	#	73
13) Acrolein	2.239	56	57	0.405	ug/l #	41
16) Acetone	2.386	43	59616	65.509	ug/l	88
17) Carbon Disulfide	2.520	76	713	0.206	ug/l #	94
25) 2-Butanone	4.581	43	10984	8.195	ug/l	97
31) Cyclohexane	5.556	56	3226	1.292	ug/l #	12
36) 1,1-Dichloropropene	5.562	75	11908	4.932	ug/l #	49
37) Ethyl Acetate	4.581	43	10984	3.904	ug/l #	64
38) Carbon Tetrachloride	5.556	117	16049	5.906	ug/l #	16
40) Benzene	6.050	78	71159	10.276	ug/l	96
41) Methacrylonitrile	5.038	41	485	0.323	ug/l #	33
52) Toluene	8.720	92	55920	12.321	ug/l	99
53) t-1,3-Dichloropropene	8.720	75	625	0.222	ug/l #	1
65) Chlorobenzene	10.086	112	38754	8.745	ug/l	98
67) Ethyl Benzene	10.195	91	1826	0.236	ug/l #	88
68) m/p-Xylenes	10.305	106	1596	0.538	ug/l	95
69) o-Xylene	10.647	106	646	0.218	ug/l	80
76) 1,2,3-Trichloropropane	11.085	75	56482	22.099	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	56482	64.992	ug/l #	12
86) p-Isopropyltoluene	12.012	119	4579	0.647	ug/l	85
87) 1,3-Dichlorobenzene	11.969	146	1030	0.276	ug/l	93
88) 1,4-Dichlorobenzene	11.969	146	1030	0.271	ug/l	92
91) 1,2-Dichlorobenzene	12.341	146	5379	1.471	ug/l	96
95) Naphthalene	13.780	128	145730	19.160	ug/l	99

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

Quant Time: Oct 01 04:08:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 21 10:52:48 2021
Response via : Initial Calibration

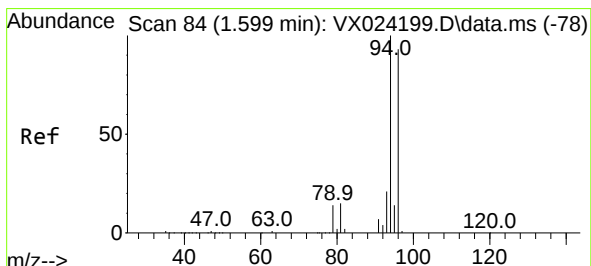
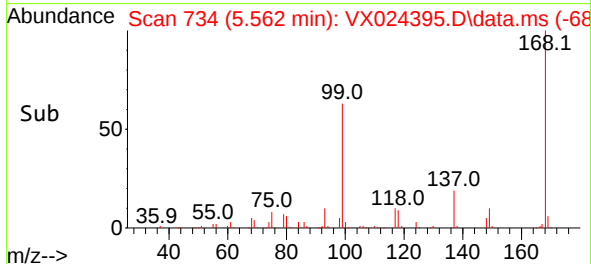
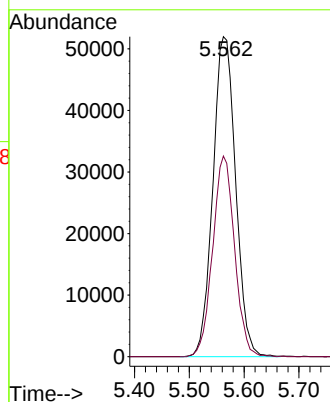
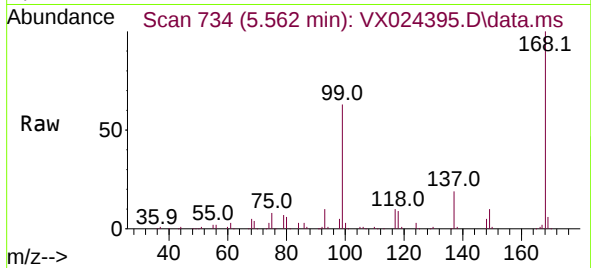




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

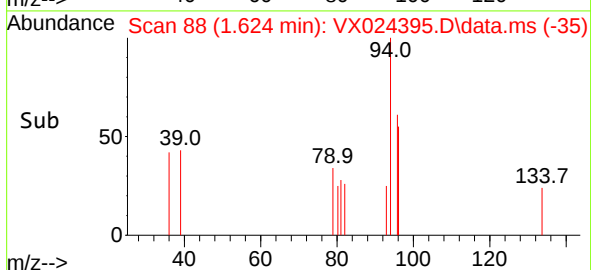
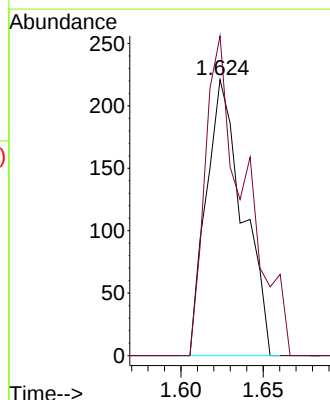
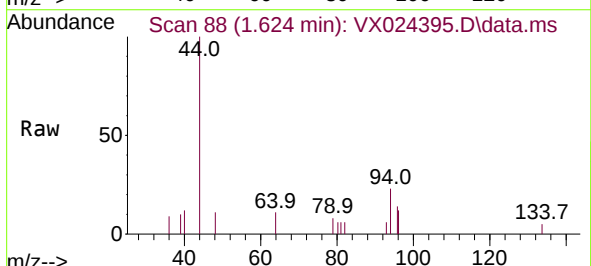
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)

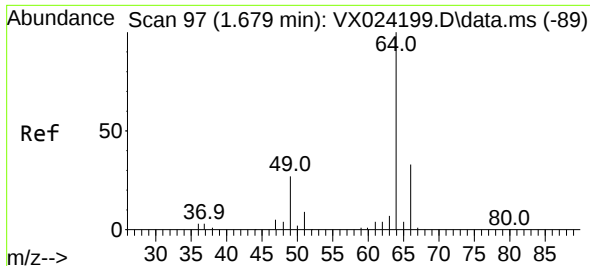
Tgt Ion:168 Resp: 149673
Ion Ratio Lower Upper
168 100
99 62.7 45.8 68.6



#5
Bromomethane
Concen: 0.383 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

Tgt Ion: 94 Resp: 341
Ion Ratio Lower Upper
94 100
96 115.8 76.4 114.6#

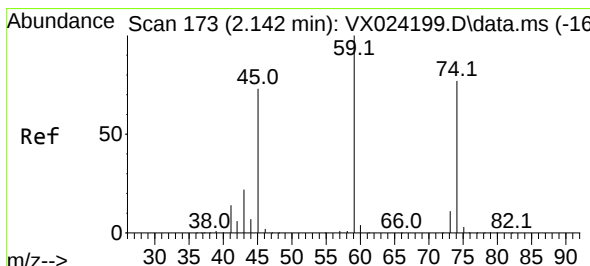
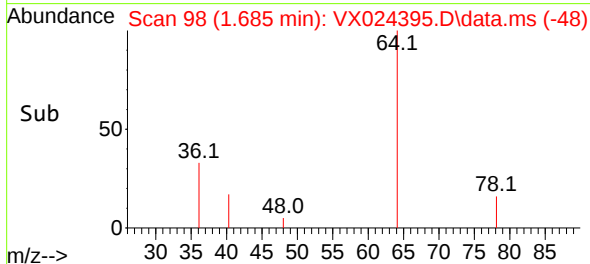
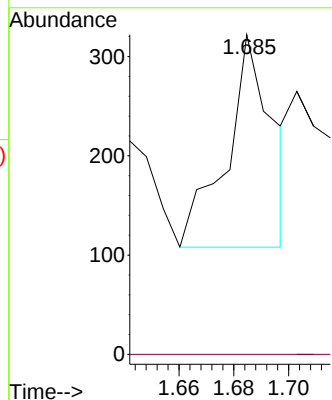
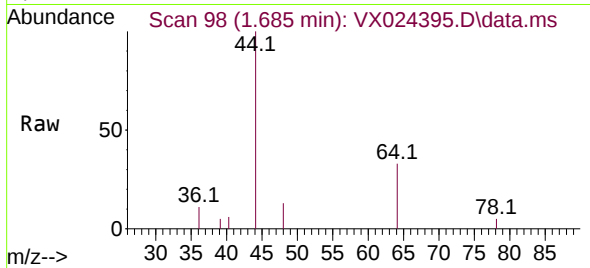




#6
Chloroethane
Concen: 0.249 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

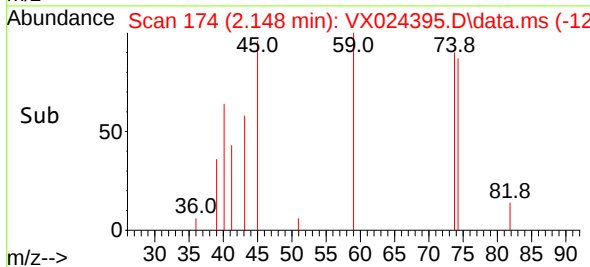
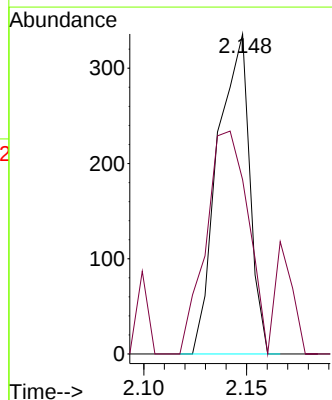
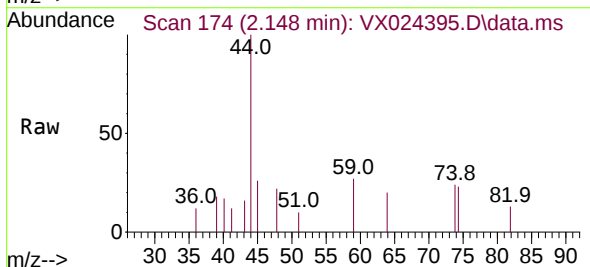
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)

Tgt Ion: 64 Resp: 246
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#8
Diethyl Ether
Concen: 0.418 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.006 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

Tgt Ion: 74 Resp: 363
Ion Ratio Lower Upper
74 100
45 91.7 44.5 133.5



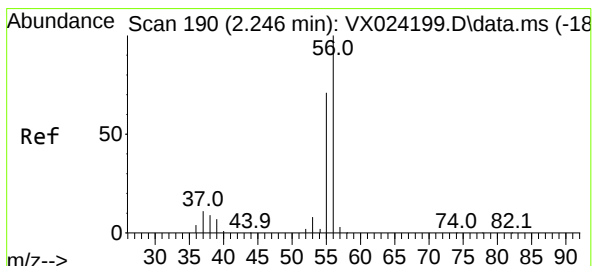
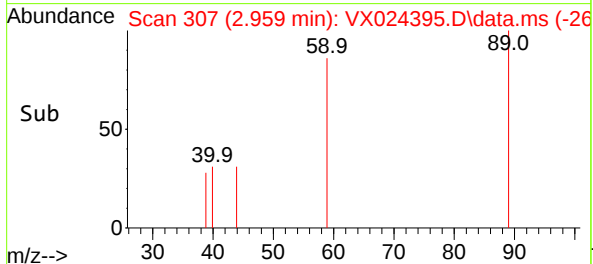
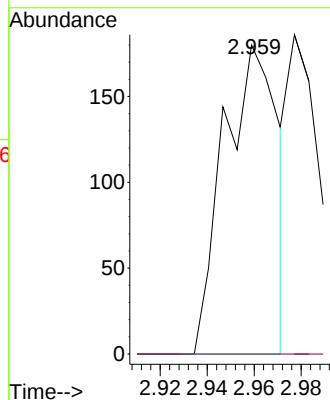
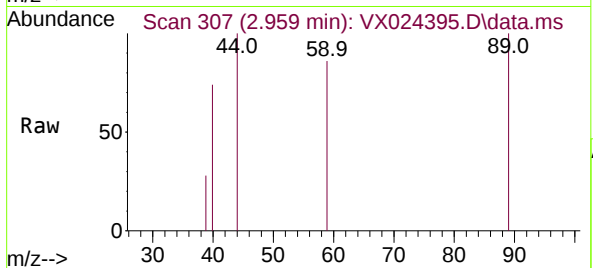


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

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

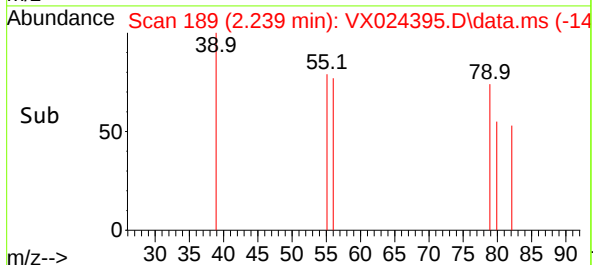
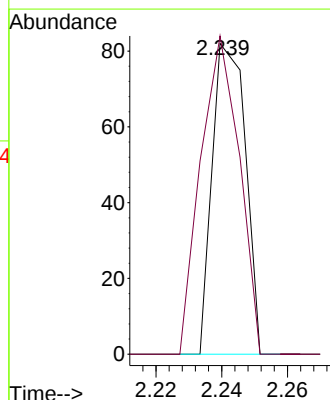
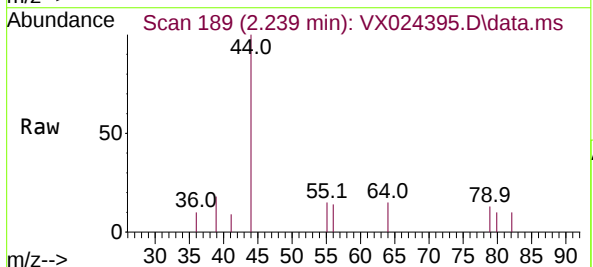
Tgt Ion: 59 Resp: 287
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

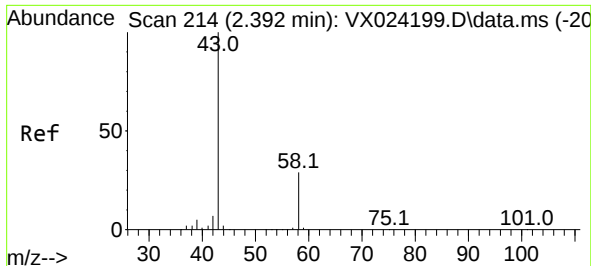


#13

Acrolein
Concen: 0.405 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.007 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 119.3 56.4 84.6#

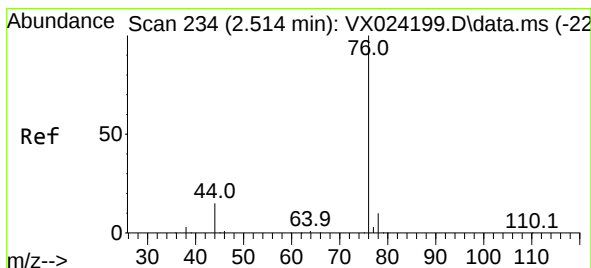
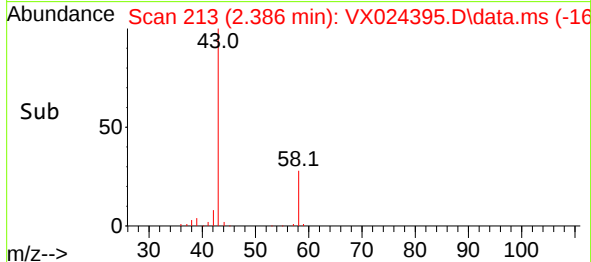
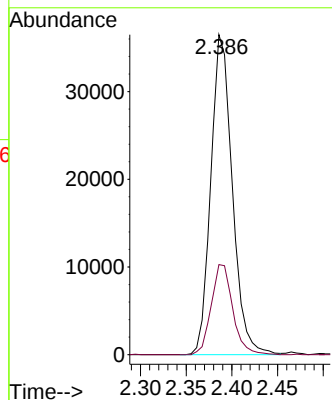
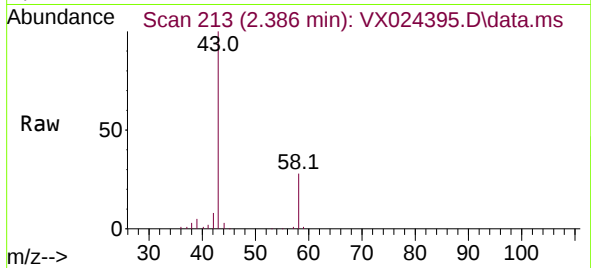




#16
Acetone
Concen: 65.509 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

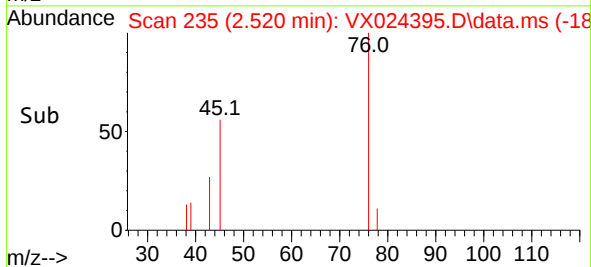
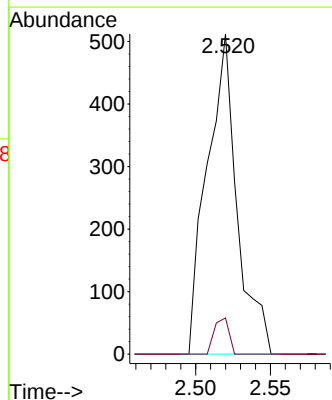
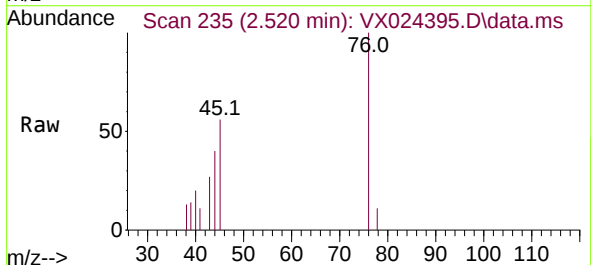
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)

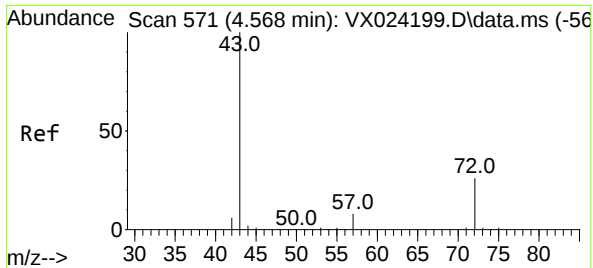
Tgt Ion: 43 Resp: 59616
Ion Ratio Lower Upper
43 100
58 28.1 27.8 41.8



#17
Carbon Disulfide
Concen: 0.206 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

Tgt Ion: 76 Resp: 713
Ion Ratio Lower Upper
76 100
78 11.3 7.2 10.8#

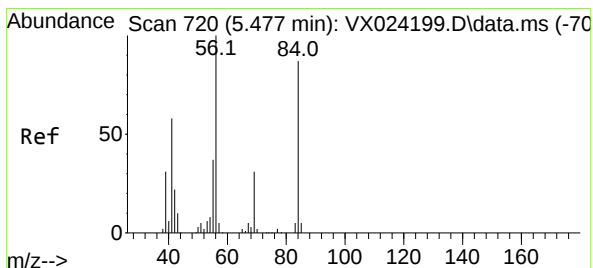
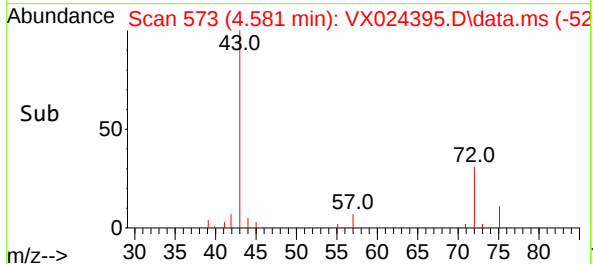
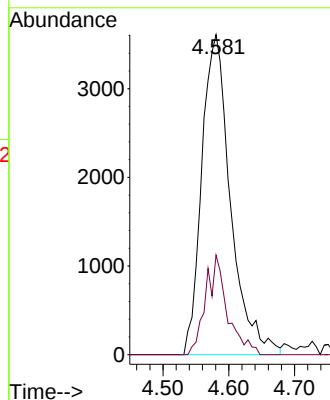
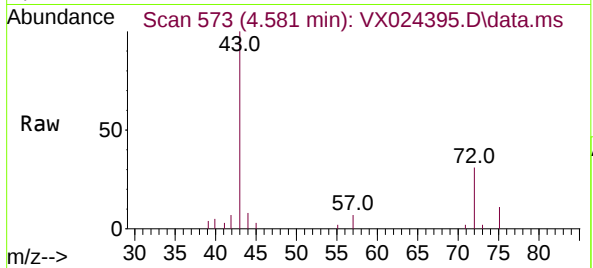




#25
2-Butanone
Concen: 8.195 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

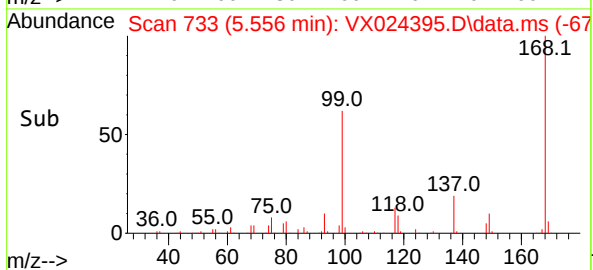
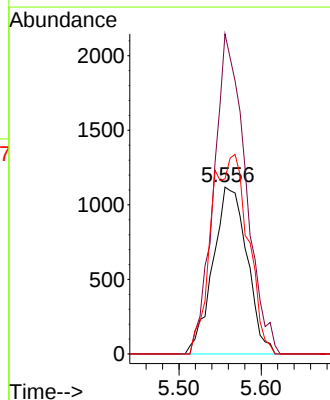
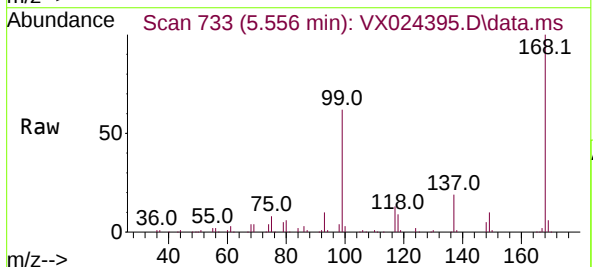
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)

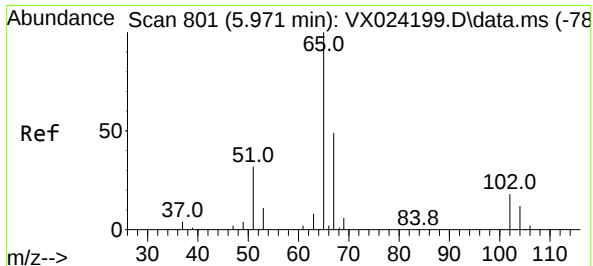
Tgt Ion: 43 Resp: 10984
Ion Ratio Lower Upper
43 100
72 31.1 23.7 35.5



#31
Cyclohexane
Concen: 1.292 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

Tgt Ion: 56 Resp: 3226
Ion Ratio Lower Upper
56 100
69 191.8 25.3 37.9#
84 104.9 71.4 107.0



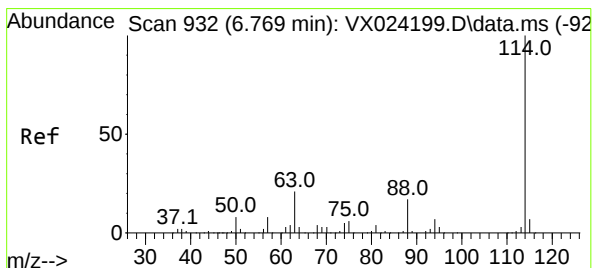
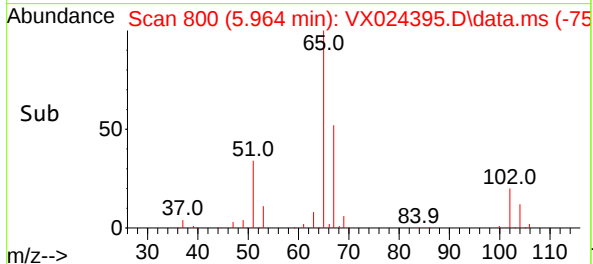
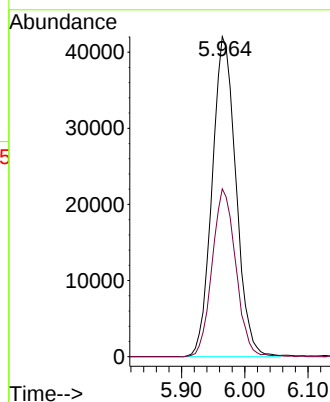
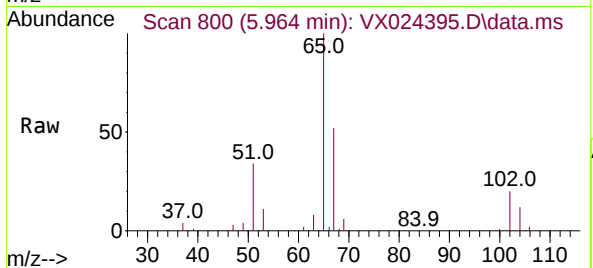


#33

1,2-Dichloroethane-d4
Concen: 51.459 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

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

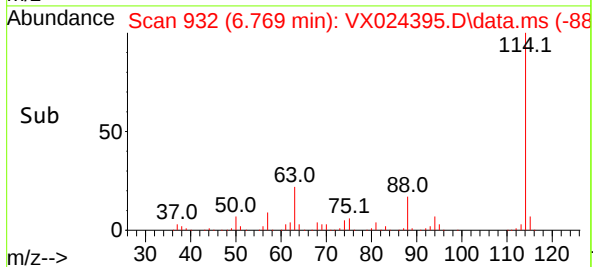
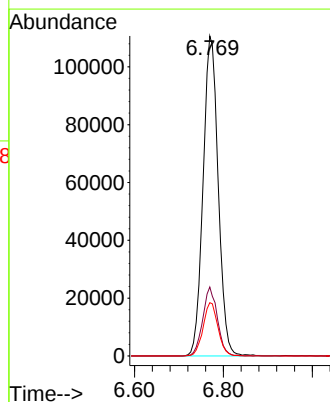
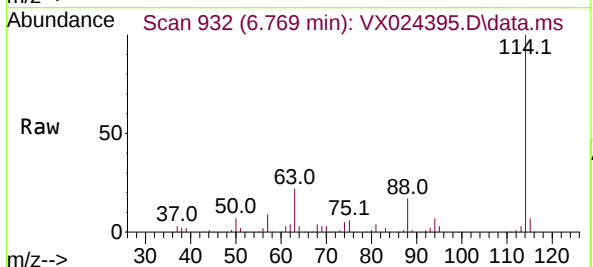
Tgt Ion: 65 Resp: 109828
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.4

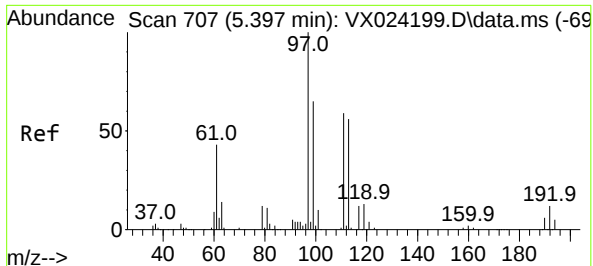


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

Tgt Ion: 114 Resp: 262606
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.8
88 16.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.200 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024395.D

Acq: 21 Sep 2021 18:47

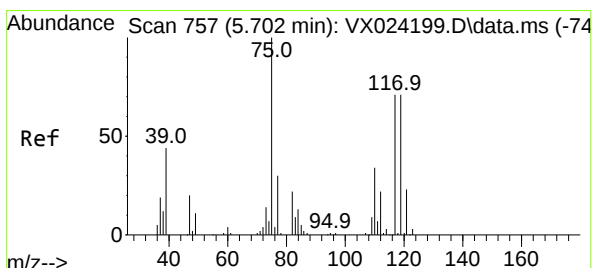
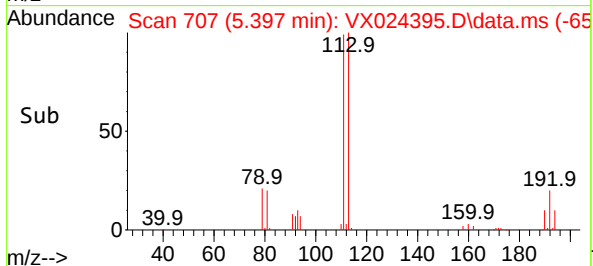
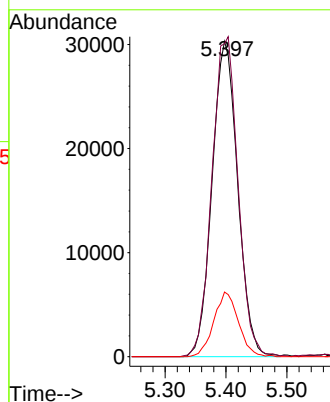
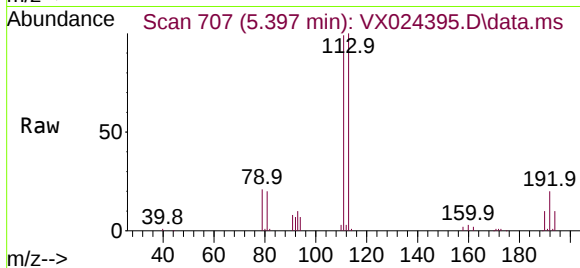
Tgt Ion:113 Resp: 88410

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

192 19.7 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.932 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX024395.D

Acq: 21 Sep 2021 18:47

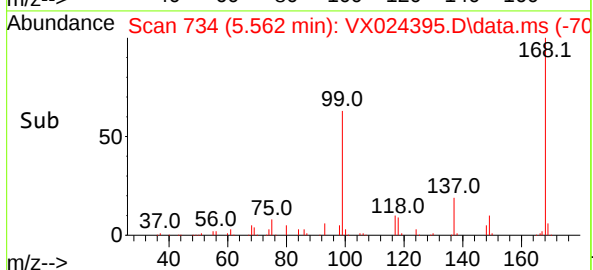
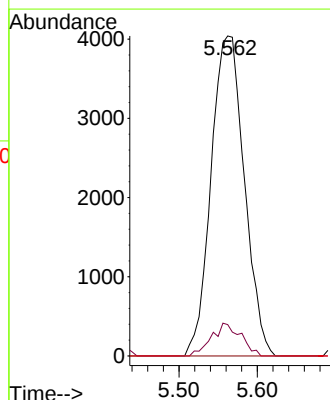
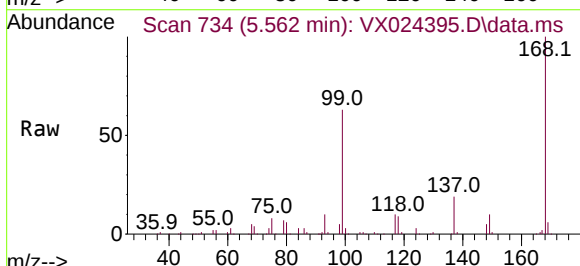
Tgt Ion: 75 Resp: 11908

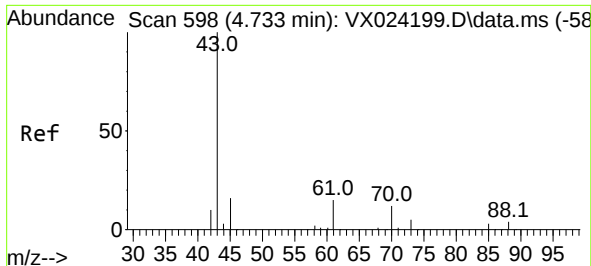
Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 3.904 ug/l

RT: 4.581 min Scan# 573

Delta R.T. -0.152 min

Lab File: VX024395.D

Acq: 21 Sep 2021 18:47

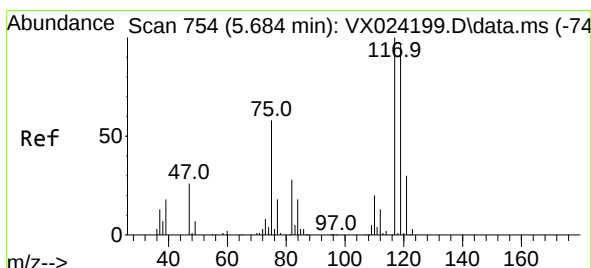
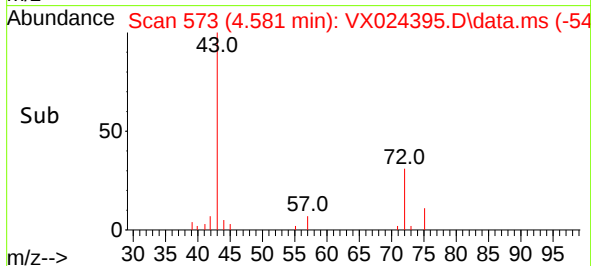
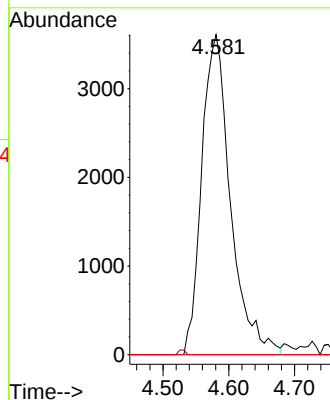
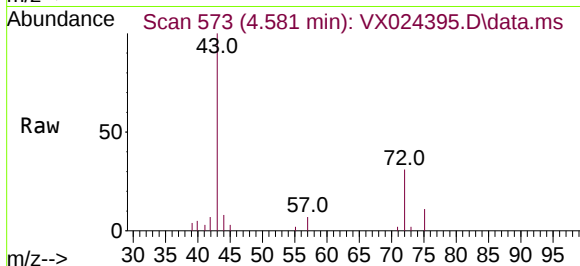
Instrument :

MSVOA_X

ClientSampleId :

SW-RR-02-(1.0)

Tgt Ion:	43	Resp:	10984
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



#38

Carbon Tetrachloride

Concen: 5.906 ug/l

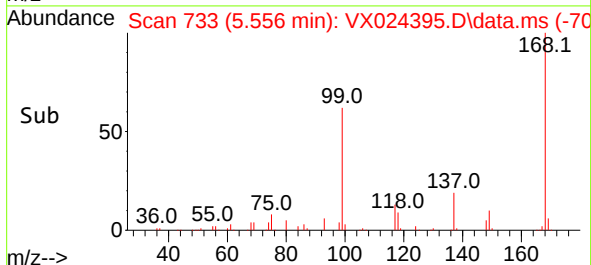
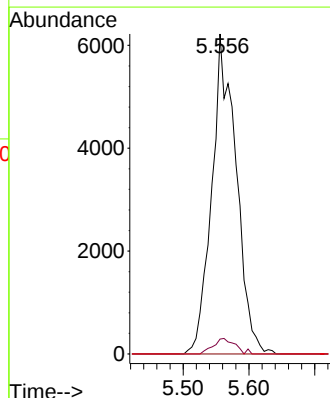
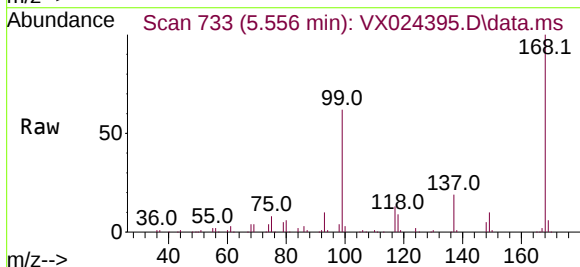
RT: 5.556 min Scan# 733

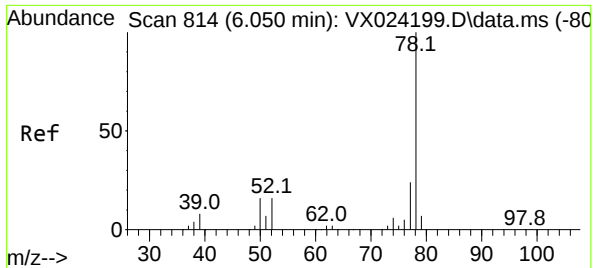
Delta R.T. -0.128 min

Lab File: VX024395.D

Acq: 21 Sep 2021 18:47

Tgt Ion:	117	Resp:	16049
Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.2	114.2#
121	0.0	24.8	37.2#

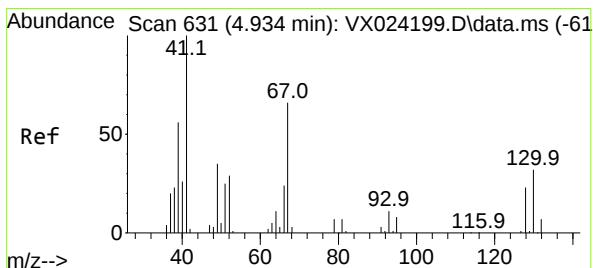
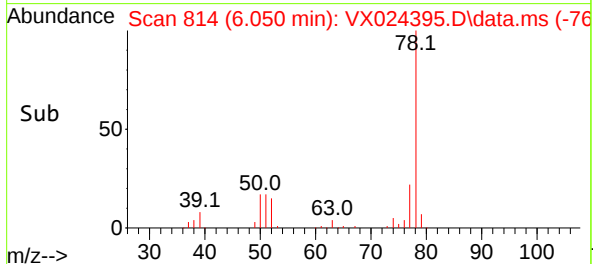
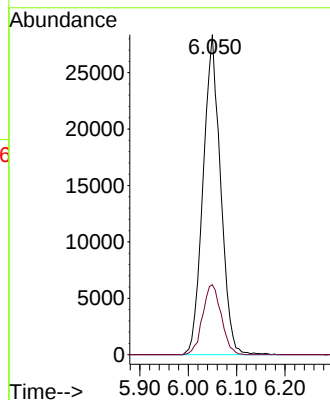
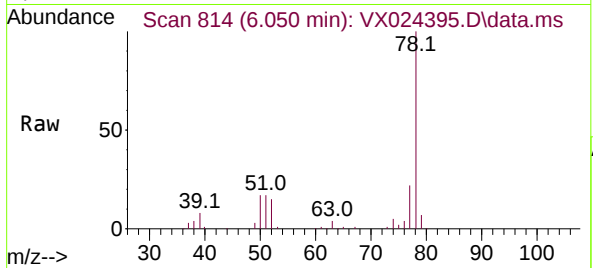




#40
Benzene
Concen: 10.276 ug/l
RT: 6.050 min Scan# 814
Delta R.T. -0.000 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

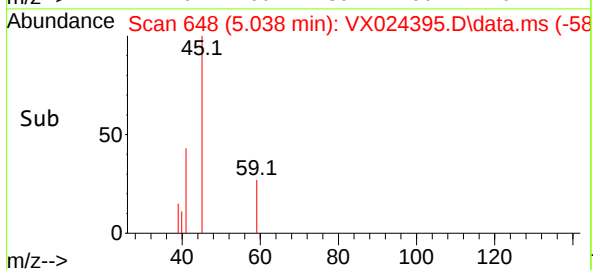
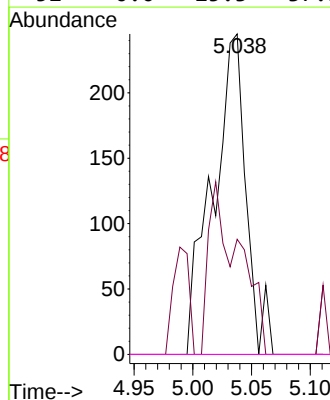
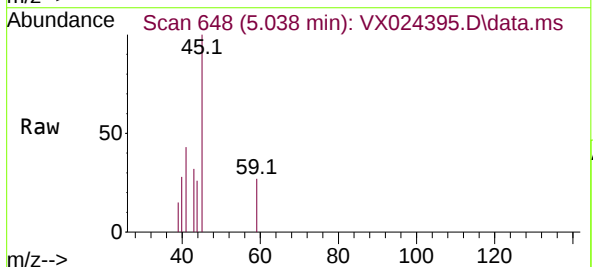
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)

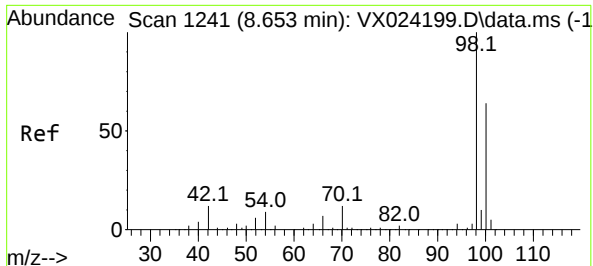
Tgt Ion: 78 Resp: 71159
Ion Ratio Lower Upper
78 100
77 21.8 18.9 28.3



#41
Methacrylonitrile
Concen: 0.323 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.104 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

Tgt Ion: 41 Resp: 485
Ion Ratio Lower Upper
41 100
39 28.7 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 51.009 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024395.D

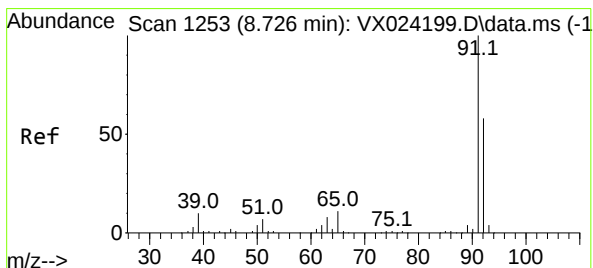
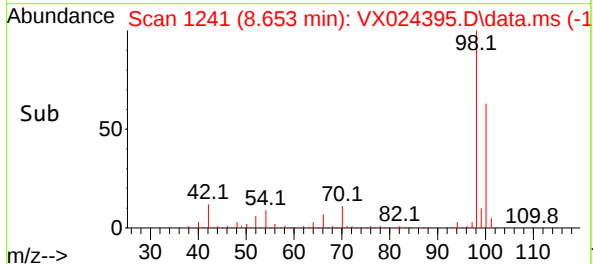
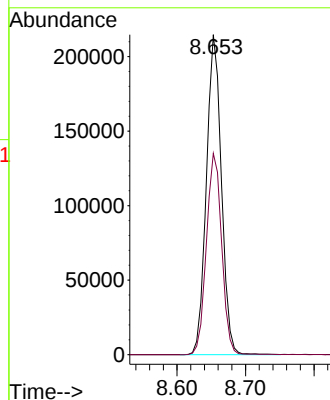
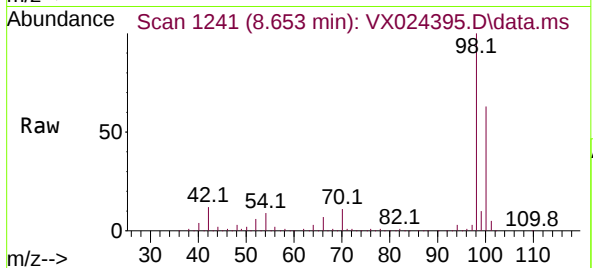
Acq: 21 Sep 2021 18:47

Tgt Ion: 98 Resp: 327265

Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9



#52

Toluene

Concen: 12.321 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.006 min

Lab File: VX024395.D

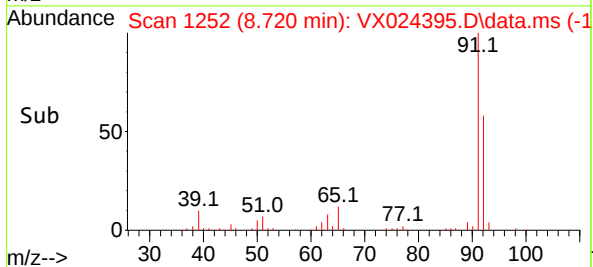
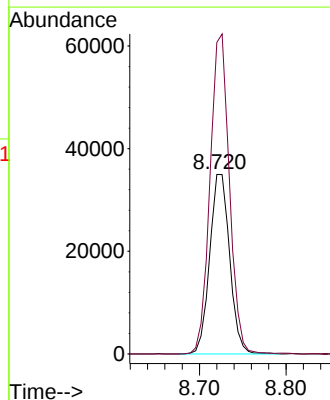
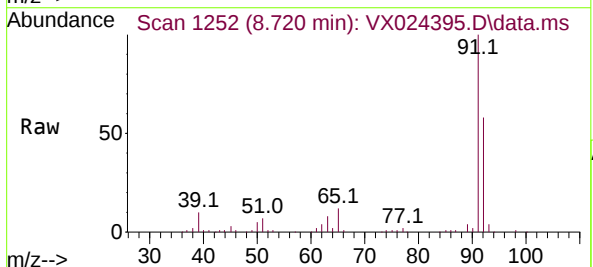
Acq: 21 Sep 2021 18:47

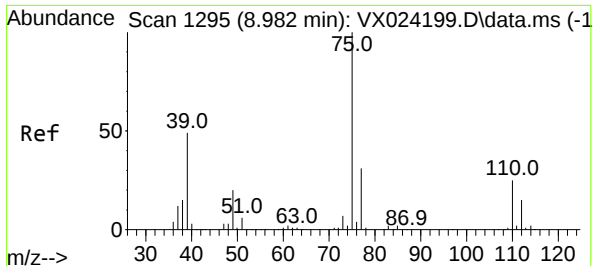
Tgt Ion: 92 Resp: 55920

Ion Ratio Lower Upper

92 100

91 173.2 137.1 205.7

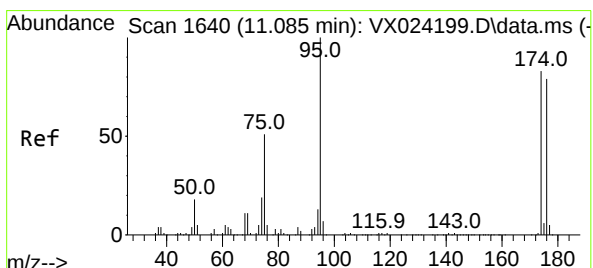
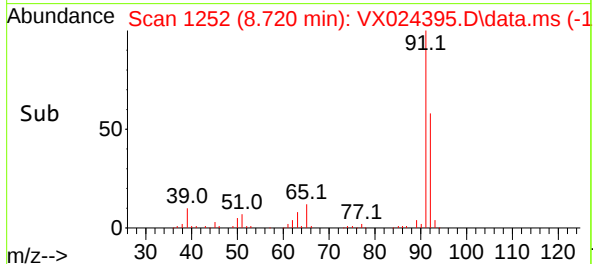
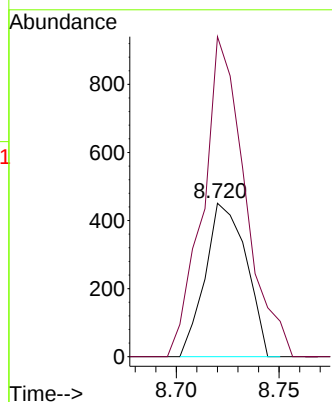
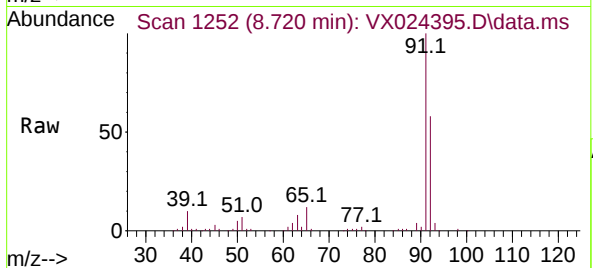




#53
t-1,3-Dichloropropene
Concen: 0.222 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.262 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

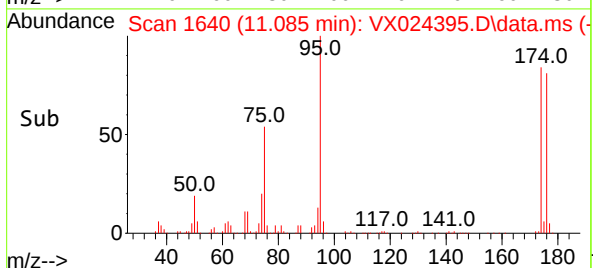
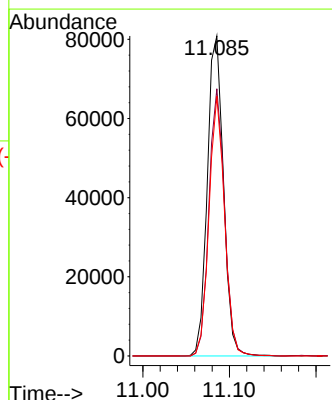
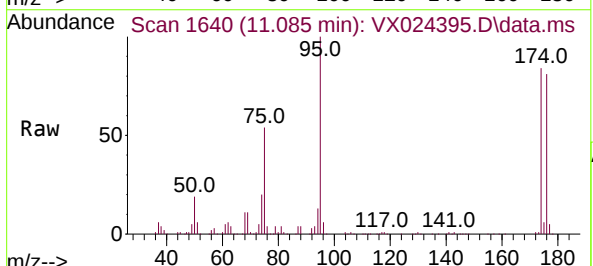
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)

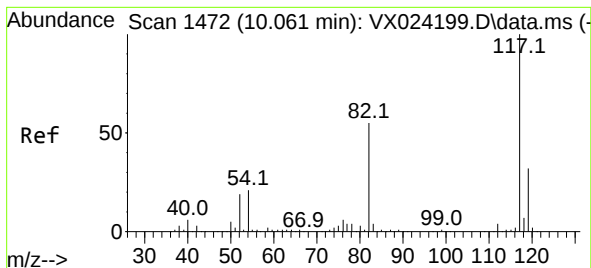
Tgt Ion: 75 Resp: 625
Ion Ratio Lower Upper
75 100
77 187.4 24.9 37.3#



#62
4-Bromofluorobenzene
Concen: 41.932 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

Tgt Ion: 95 Resp: 104695
Ion Ratio Lower Upper
95 100
174 81.2 0.0 154.6
176 78.1 0.0 155.8

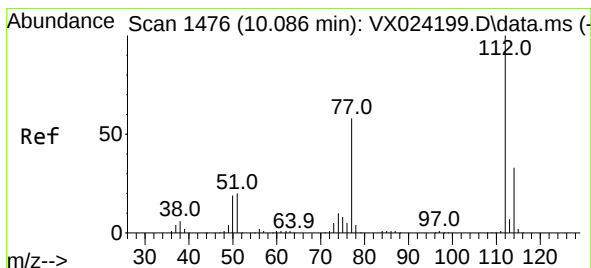
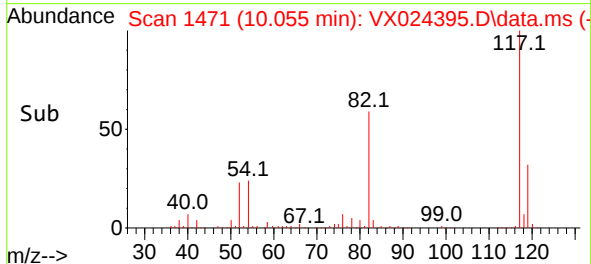
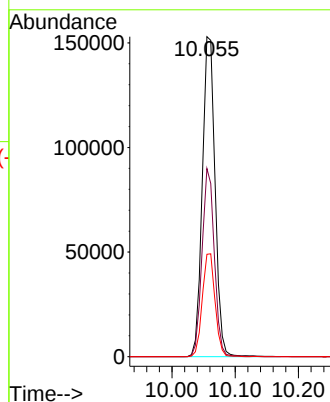
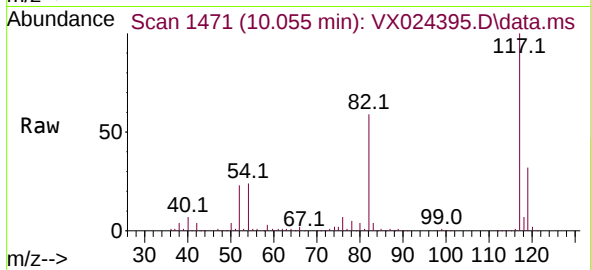




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

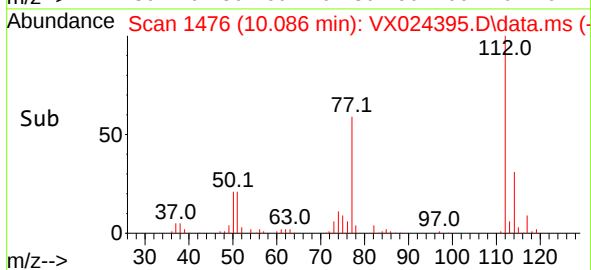
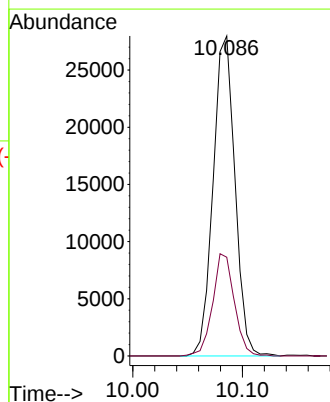
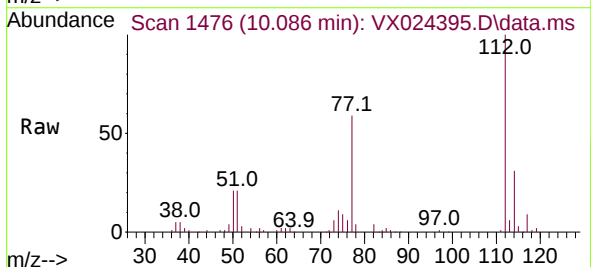
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)

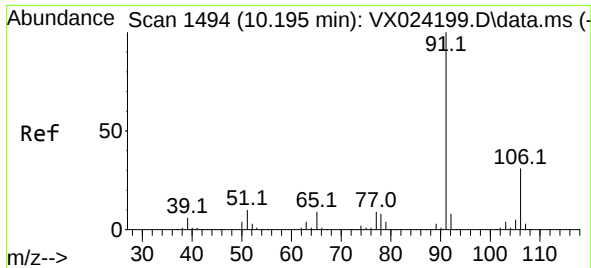
Tgt Ion:117 Resp: 215393
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 32.0 26.6 39.8



#65
Chlorobenzene
Concen: 8.745 ug/l
RT: 10.086 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

Tgt Ion:112 Resp: 38754
Ion Ratio Lower Upper
112 100
114 30.8 25.8 38.6

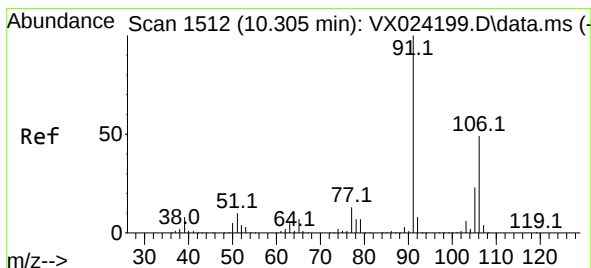
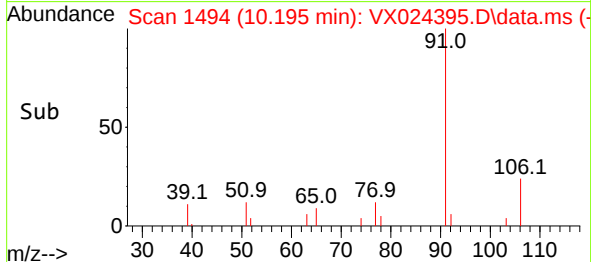
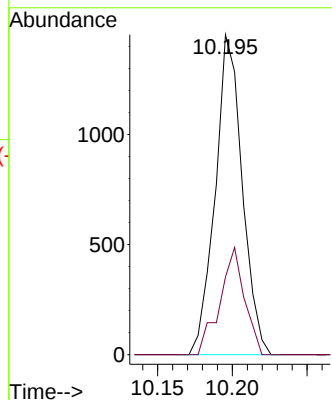
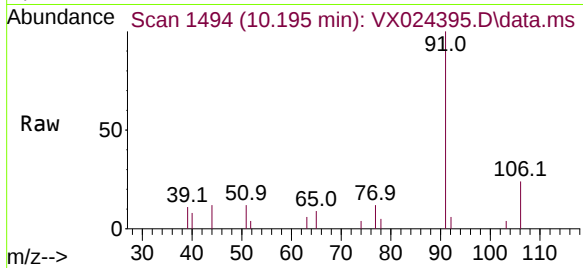




#67
Ethyl Benzene
Concen: 0.236 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

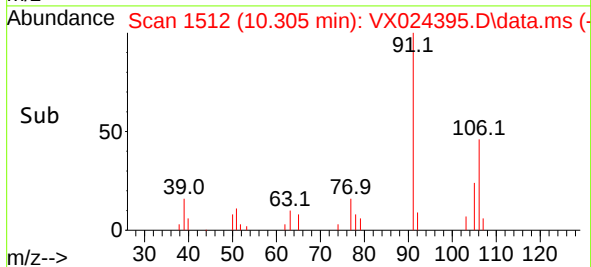
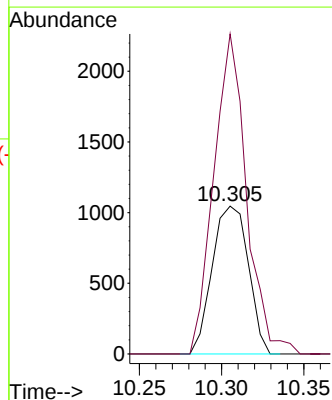
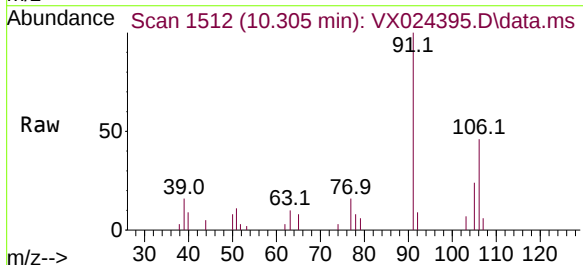
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)

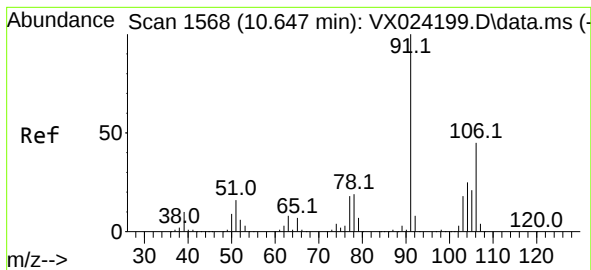
Tgt Ion: 91 Resp: 1826
Ion Ratio Lower Upper
91 100
106 24.3 24.6 37.0#



#68
m/p-Xylenes
Concen: 0.538 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

Tgt Ion: 106 Resp: 1596
Ion Ratio Lower Upper
106 100
91 196.3 162.8 244.2

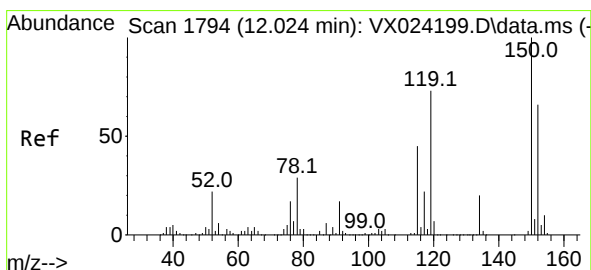
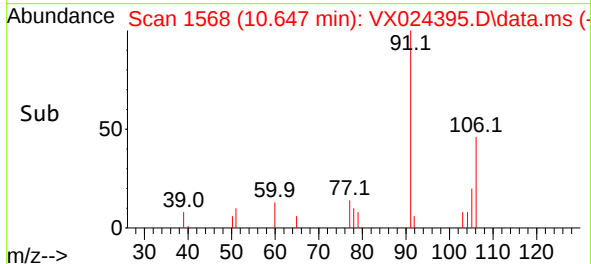
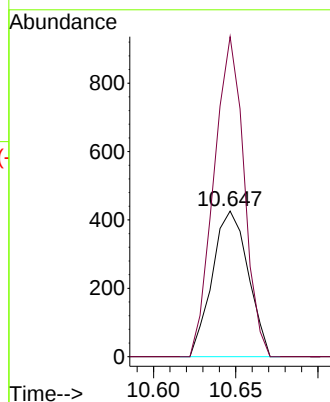
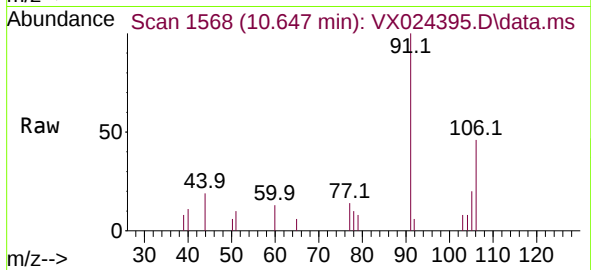




#69
o-Xylene
Concen: 0.218 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. -0.001 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

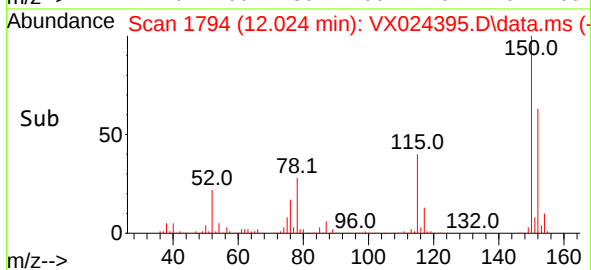
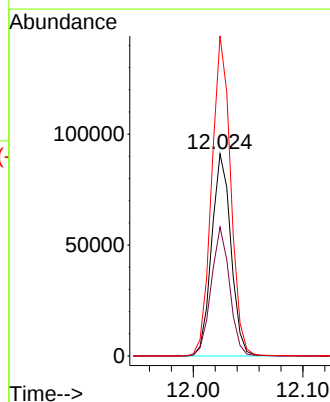
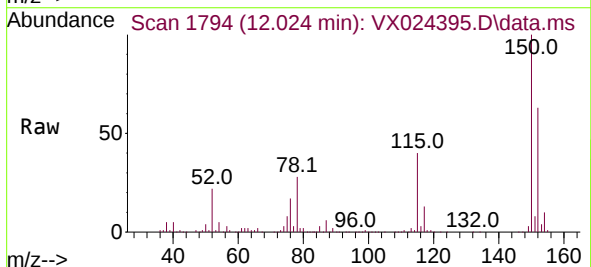
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)

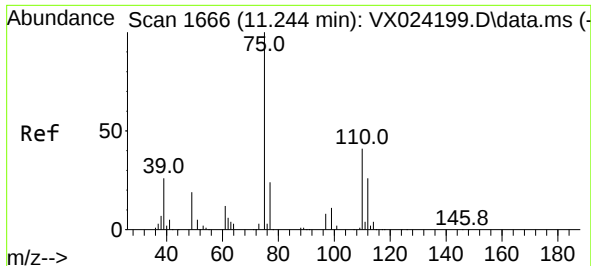
Tgt Ion:106 Resp: 646
Ion Ratio Lower Upper
106 100
91 184.4 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

Tgt Ion:152 Resp: 111155
Ion Ratio Lower Upper
152 100
115 61.2 41.1 123.3
150 156.4 0.0 349.0

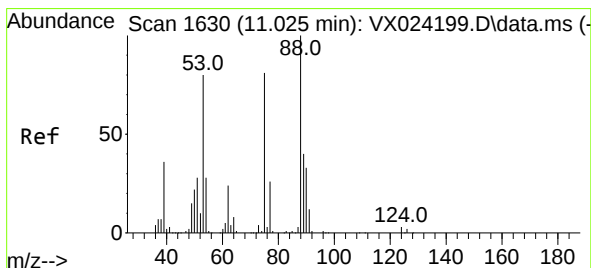
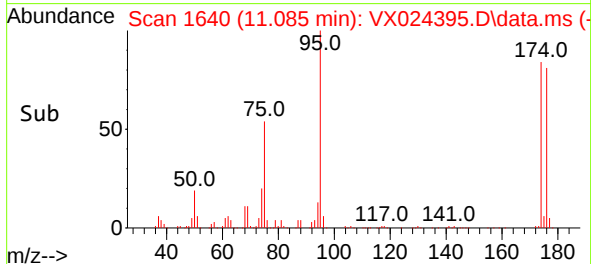
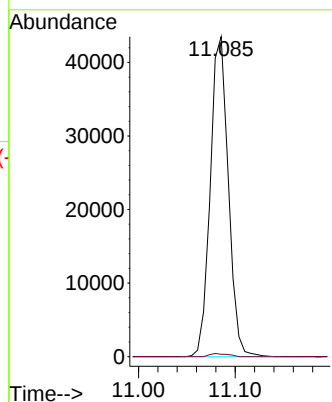
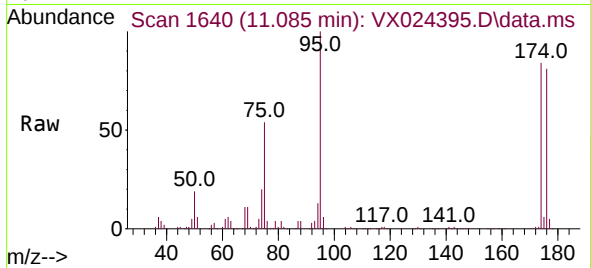




#76
1,2,3-Trichloropropane
Concen: 22.099 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

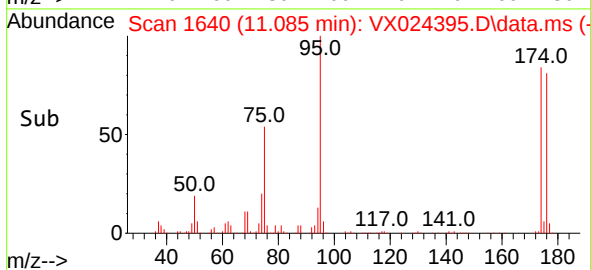
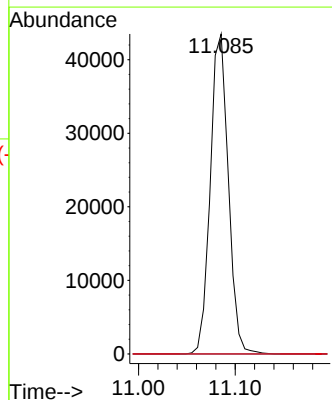
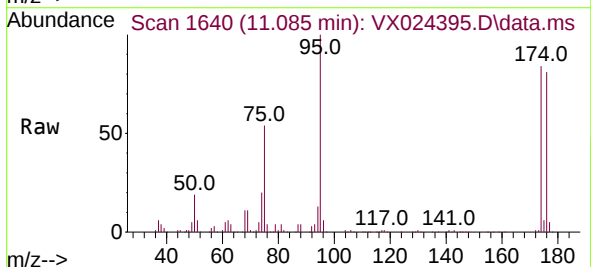
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)

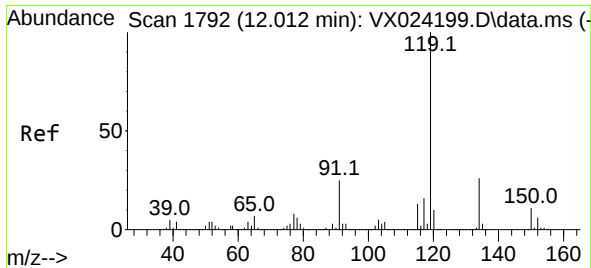
Tgt Ion: 75 Resp: 56482
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.992 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

Tgt Ion: 75 Resp: 56482
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

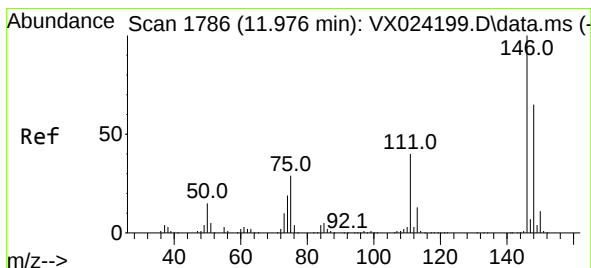
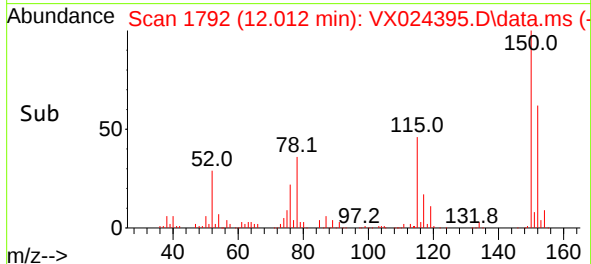
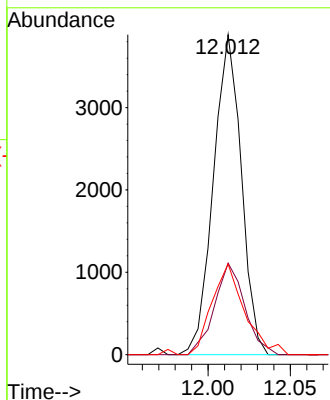
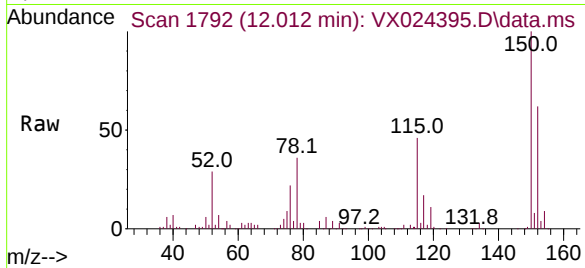




#86
p-Isopropyltoluene
Concen: 0.647 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

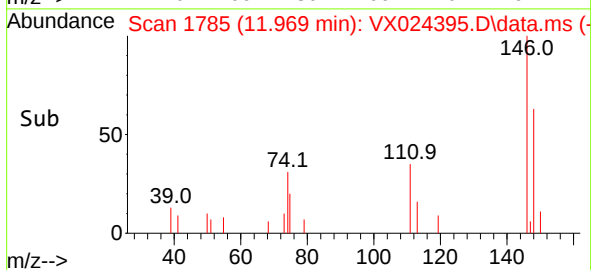
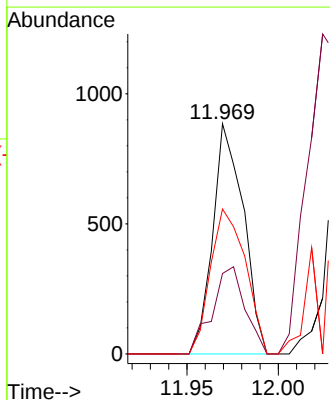
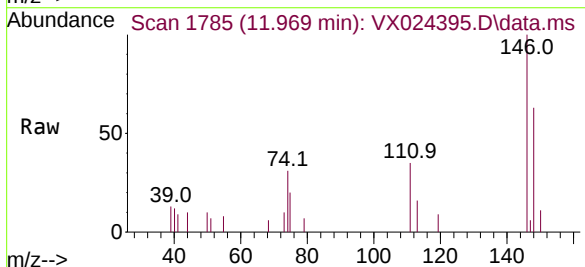
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)

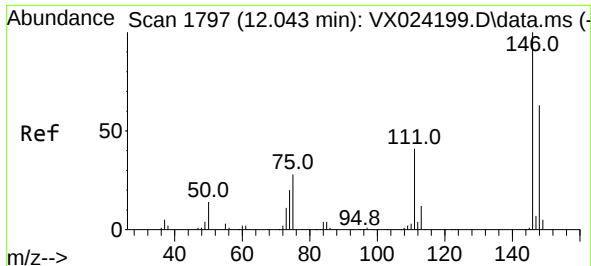
Tgt Ion:	119	Resp:	4579
Ion	Ratio	Lower	Upper
119	100		
134	31.2	12.9	38.7
91	33.2	11.7	35.0



#87
1,3-Dichlorobenzene
Concen: 0.276 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.007 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

Tgt Ion:	146	Resp:	1030
Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.2	60.5
148	72.1	31.9	95.7

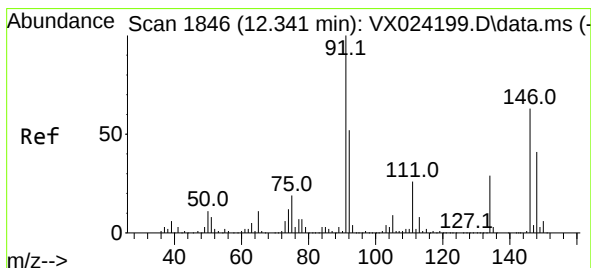
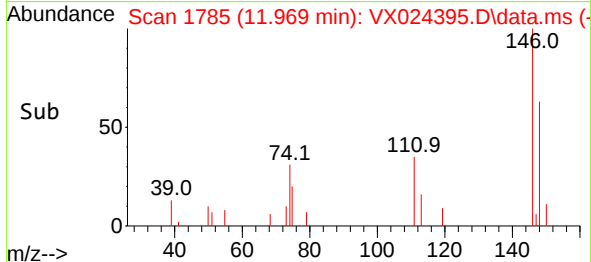
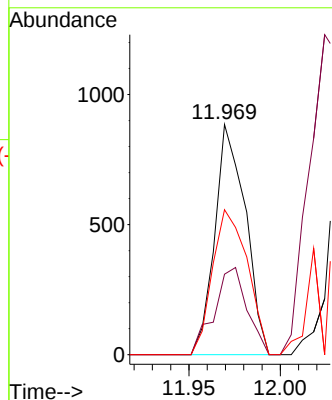
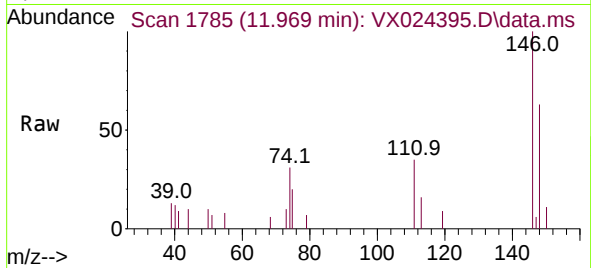




#88
1,4-Dichlorobenzene
Concen: 0.271 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.074 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

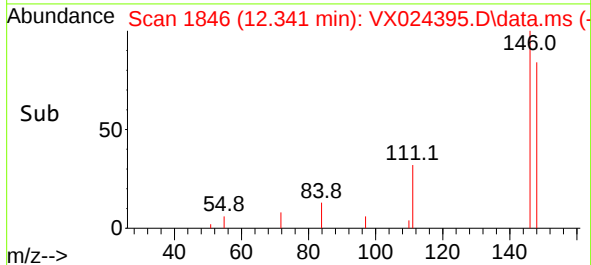
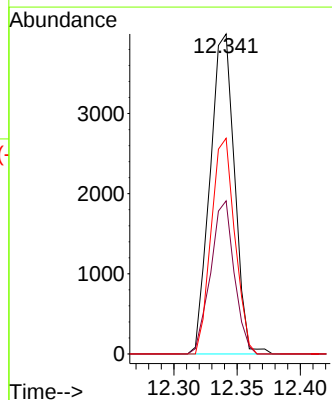
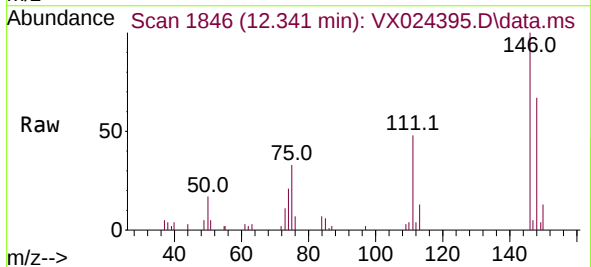
Instrument :
MSVOA_X
ClientSampleId :
SW-RR-02-(1.0)

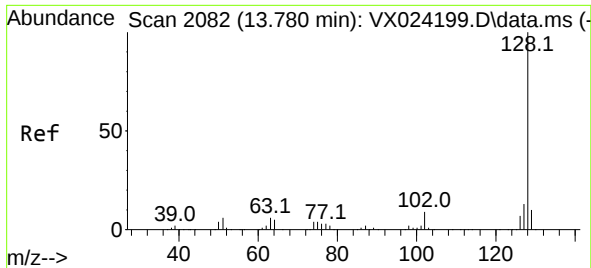
Tgt Ion:146 Resp: 1030
Ion Ratio Lower Upper
146 100
111 40.7 19.6 58.8
148 72.1 31.6 95.0



#91
1,2-Dichlorobenzene
Concen: 1.471 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.000 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

Tgt Ion:146 Resp: 5379
Ion Ratio Lower Upper
146 100
111 46.1 20.8 62.2
148 65.1 31.9 95.5





#95
Naphthalene
Concen: 19.160 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024395.D
Acq: 21 Sep 2021 18:47

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

Tgt Ion:128 Resp: 145730
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 11.0 8.8 13.2

