

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092121\
 Data File : VX024390.D
 Acq On : 21 Sep 2021 16:49
 Operator : JC/MD
 Sample : M3835-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 22 04:51:20 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)

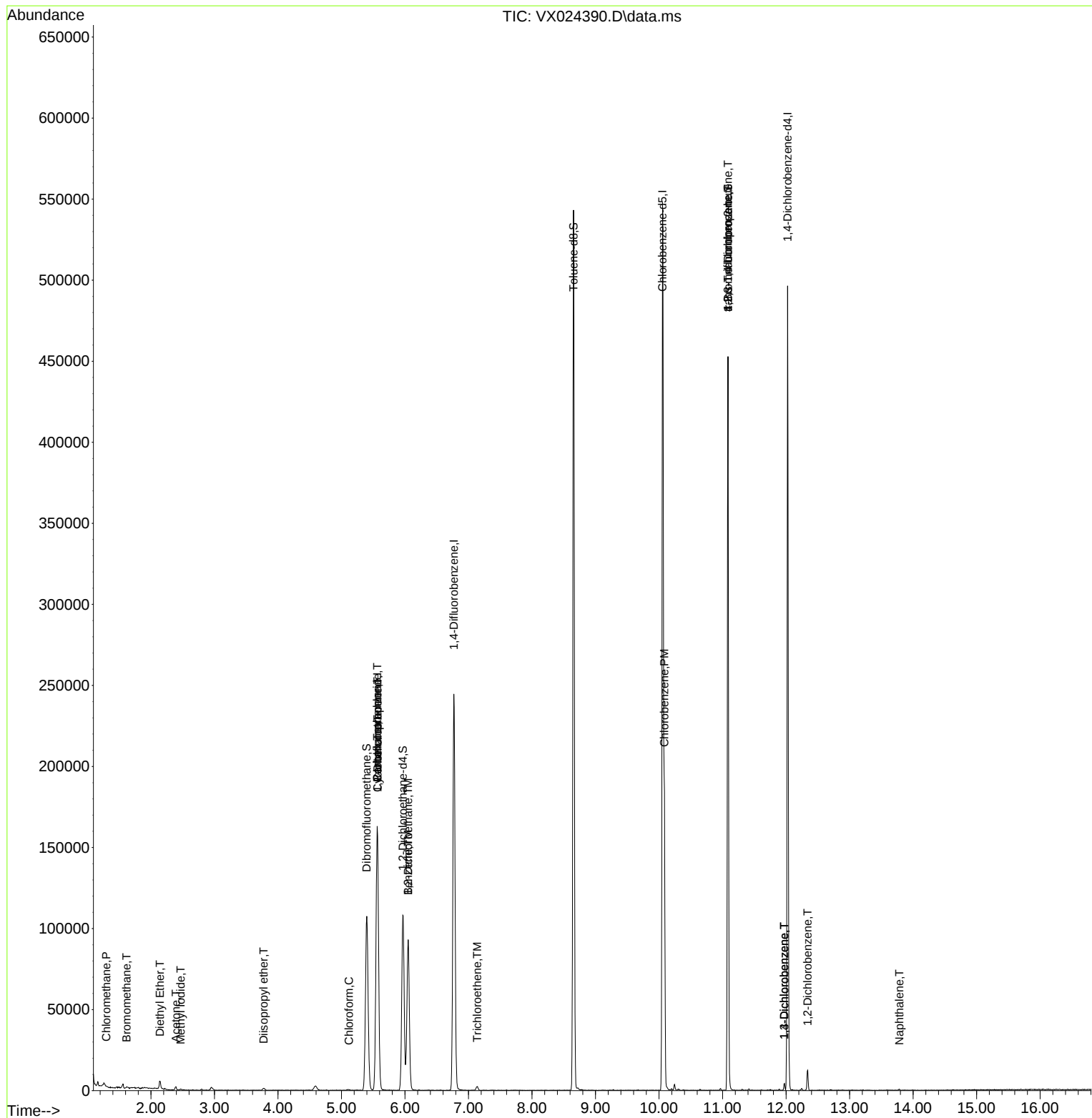
Internal Standards						
1) Pentafluorobenzene	5.562	168	154336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	242838	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	243554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	112222	50.992	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 101.980%		
35) Dibromofluoromethane	5.397	113	93831	57.615	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 115.240%		
50) Toluene-d8	8.653	98	316241	53.304	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 106.600%		
62) 4-Bromofluorobenzene	11.085	95	112973	48.930	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 97.860%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	341	0.220	ug/l #	42
5) Bromomethane	1.617	94	567	0.618	ug/l #	70
8) Diethyl Ether	2.142	74	1618	1.808	ug/l	85
10) Methyl Iodide	2.465	142	711	0.338	ug/l #	86
11) Tert butyl alcohol	2.953	59	1575	Below Cal	#	73
16) Acetone	2.392	43	2198	2.342	ug/l	92
22) Diisopropyl ether	3.776	45	1298	0.256	ug/l #	88
30) Chloroform	5.117	83	696	0.220	ug/l	85
31) Cyclohexane	5.568	56	3338	1.297	ug/l #	12
36) 1,1-Dichloropropene	5.568	75	12115	5.426	ug/l #	50
38) Carbon Tetrachloride	5.562	117	16352	6.507	ug/l #	17
40) Benzene	6.050	78	109114	17.040	ug/l	98
42) 1,2-Dichloroethane	6.050	62	1418	0.531	ug/l #	73
44) Trichloroethene	7.135	130	1096	0.609	ug/l	65
65) Chlorobenzene	10.085	112	74620	14.892	ug/l	99
76) 1,2,3-Trichloropropane	11.085	75	60442	27.537	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	60442	80.987	ug/l #	12
87) 1,3-Dichlorobenzene	11.969	146	1555	0.486	ug/l	99
88) 1,4-Dichlorobenzene	11.969	146	1555	0.476	ug/l	99
91) 1,2-Dichlorobenzene	12.341	146	3863	1.230	ug/l	93
95) Naphthalene	13.786	128	647	1.379	ug/l #	75

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

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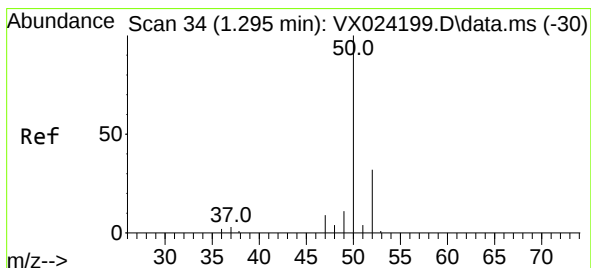
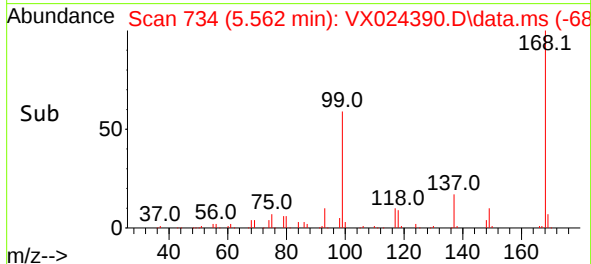
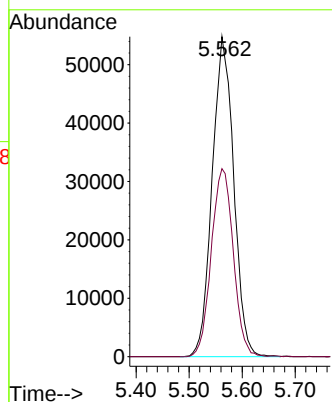
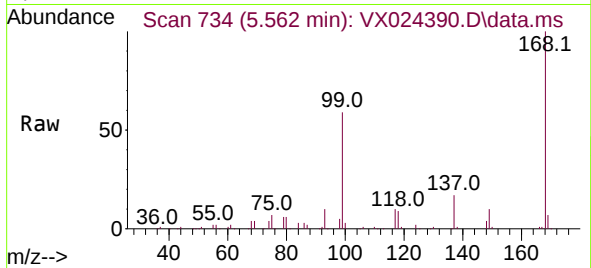




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024390.D
Acq: 21 Sep 2021 16:49

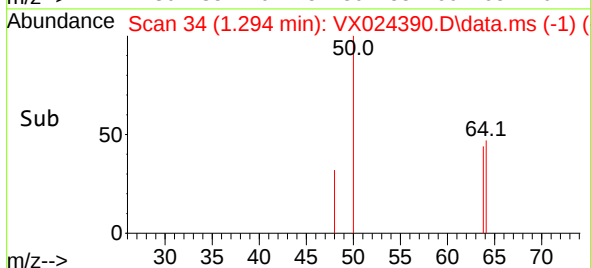
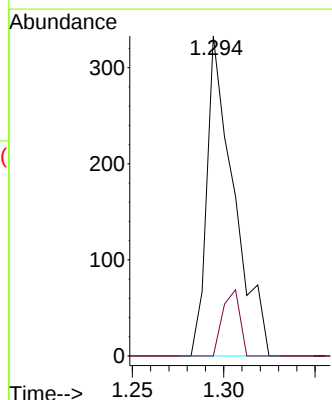
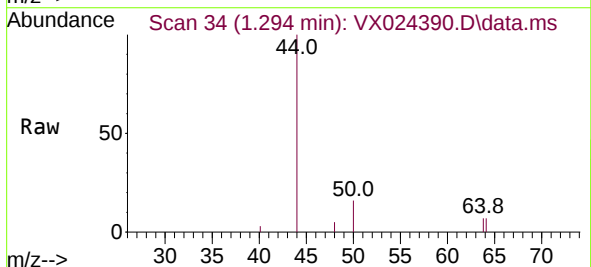
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:168 Resp: 154336
Ion Ratio Lower Upper
168 100
99 58.8 45.8 68.6



#3
Chloromethane
Concen: 0.220 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX024390.D
Acq: 21 Sep 2021 16:49

Tgt Ion: 50 Resp: 341
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

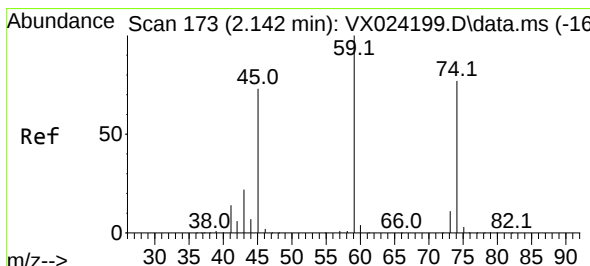
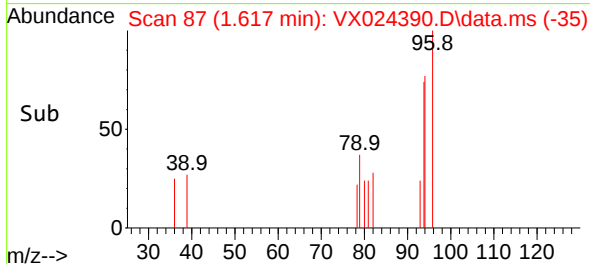
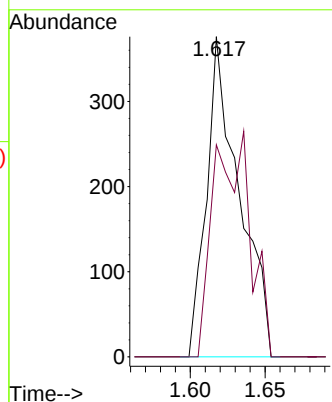
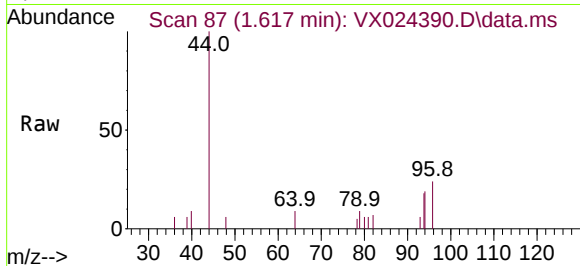




#5
Bromomethane
Concen: 0.618 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX024390.D
Acq: 21 Sep 2021 16:49

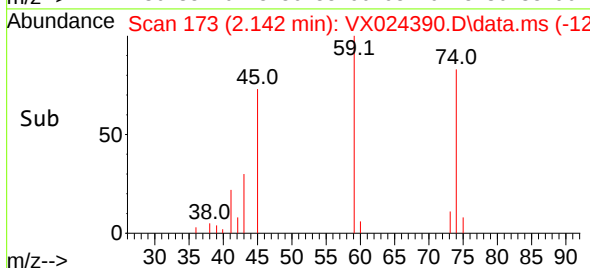
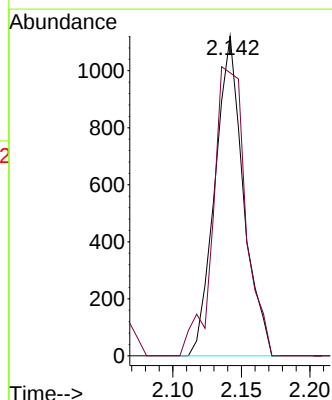
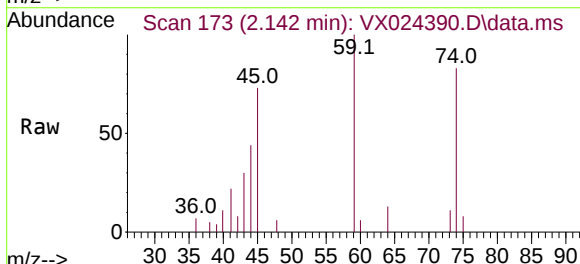
Instrument :
MSVOA_N
ClientSampleId :

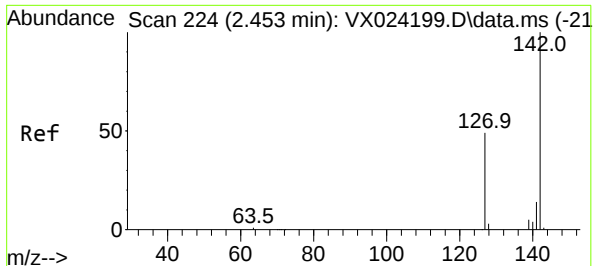
Tgt Ion: 94 Resp: 567
Ion Ratio Lower Upper
94 100
96 66.2 76.4 114.6#



#8
Diethyl Ether
Concen: 1.808 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.000 min
Lab File: VX024390.D
Acq: 21 Sep 2021 16:49

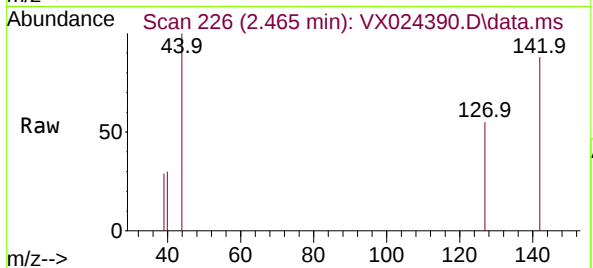
Tgt Ion: 74 Resp: 1618
Ion Ratio Lower Upper
74 100
45 103.4 44.5 133.5



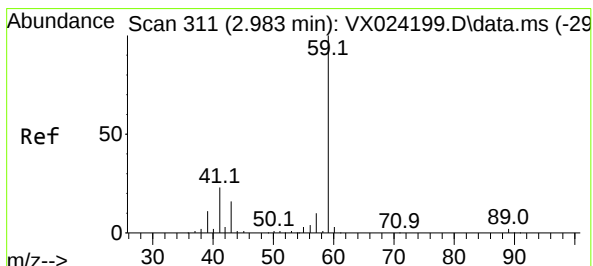
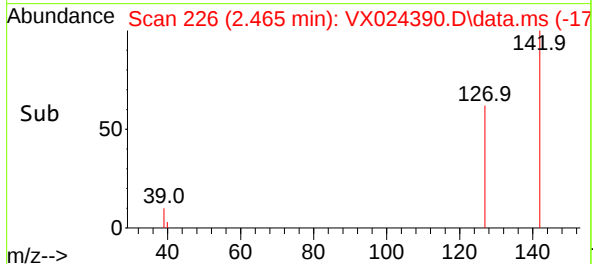
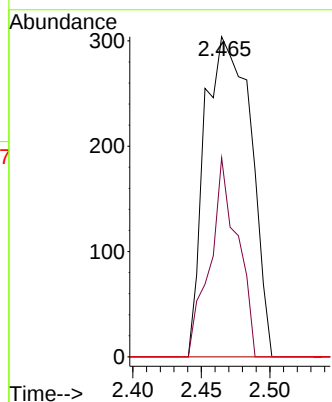


#10
Methyl Iodide
Concen: 0.338 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024390.D
Acq: 21 Sep 2021 16:49

Instrument :
MSVOA_N
ClientSampled :

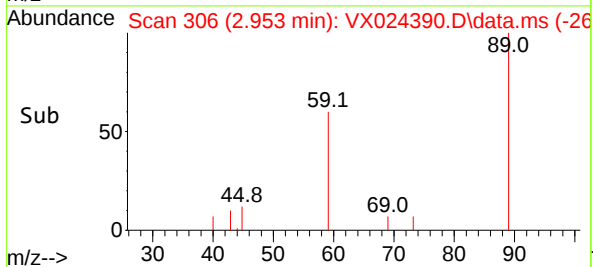
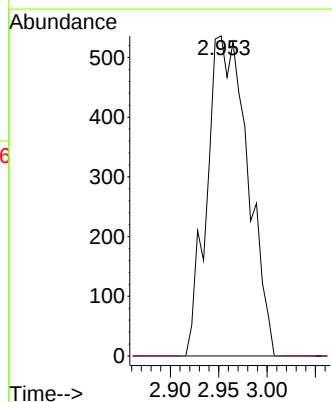
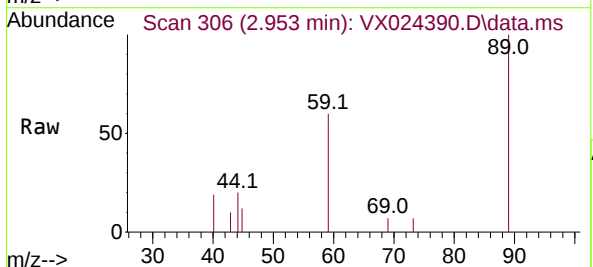


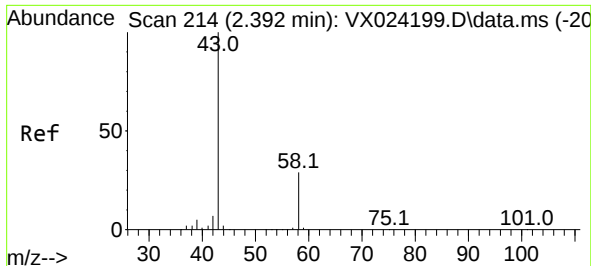
Tgt Ion:142 Resp: 711
Ion Ratio Lower Upper
142 100
127 37.1 33.3 49.9
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX024390.D
Acq: 21 Sep 2021 16:49

Tgt Ion: 59 Resp: 1575
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

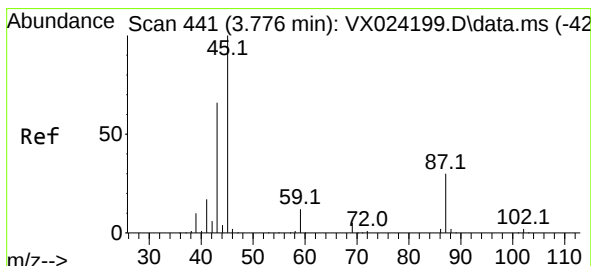
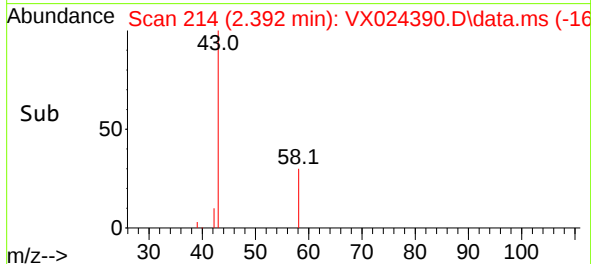
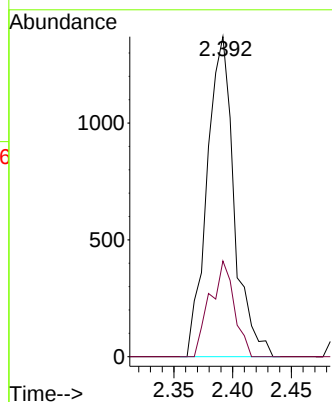
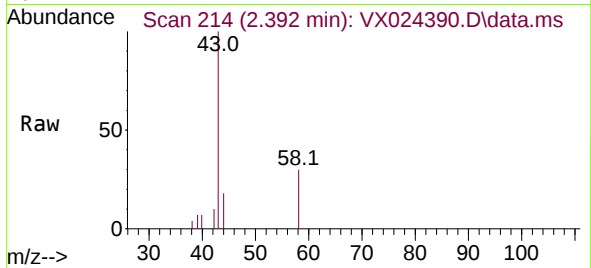




#16
Acetone
Concen: 2.342 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX024390.D
Acq: 21 Sep 2021 16:49

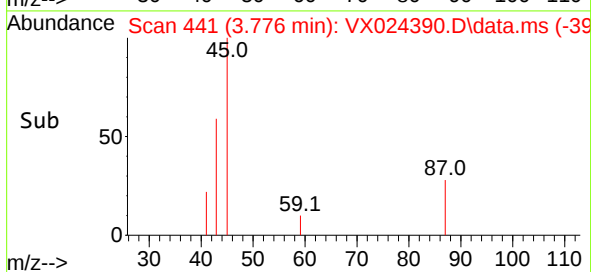
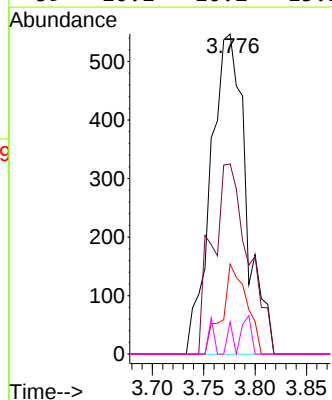
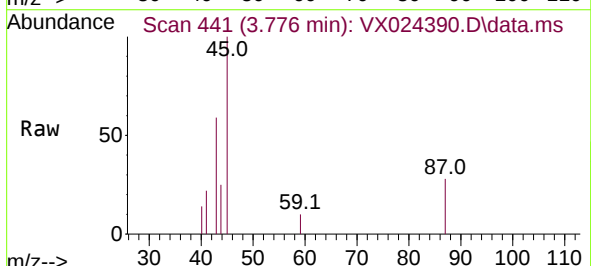
Instrument :
MSVOA_N
ClientSampled :

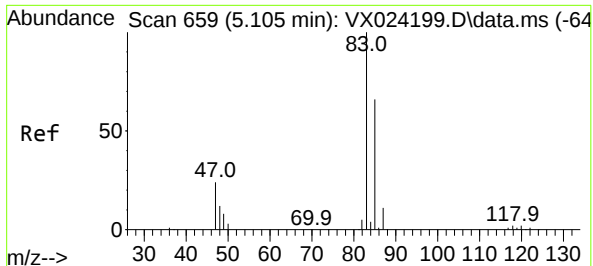
Tgt Ion: 43 Resp: 2198
Ion Ratio Lower Upper
43 100
58 29.9 27.8 41.8



#22
Diisopropyl ether
Concen: 0.256 ug/l
RT: 3.776 min Scan# 441
Delta R.T. -0.000 min
Lab File: VX024390.D
Acq: 21 Sep 2021 16:49

Tgt Ion: 45 Resp: 1298
Ion Ratio Lower Upper
45 100
43 59.4 58.0 87.0
87 28.2 25.4 38.0
59 10.1 10.2 15.2#





#30

Chloroform

Concen: 0.220 ug/l

RT: 5.117 min Scan# 661

Delta R.T. 0.012 min

Lab File: VX024390.D

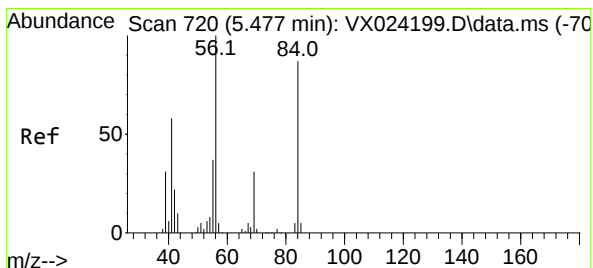
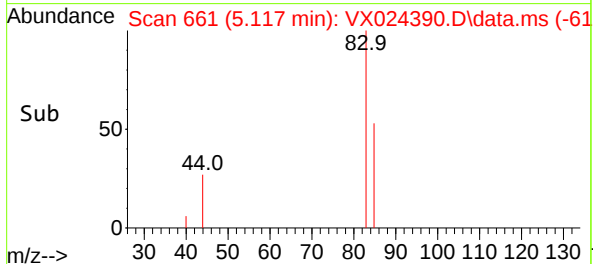
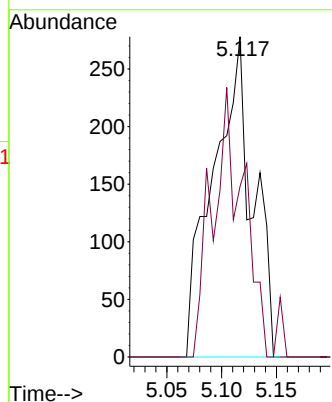
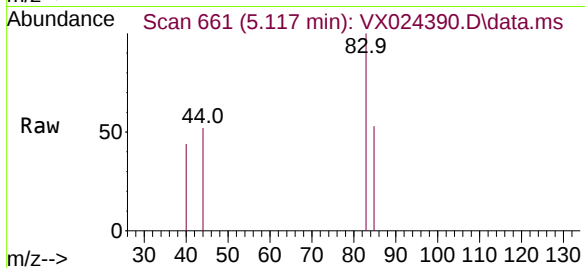
Acq: 21 Sep 2021 16:49

Tgt Ion: 83 Resp: 696

Ion Ratio Lower Upper

83 100

85 53.2 52.0 78.0



#31

Cyclohexane

Concen: 1.297 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.091 min

Lab File: VX024390.D

Acq: 21 Sep 2021 16:49

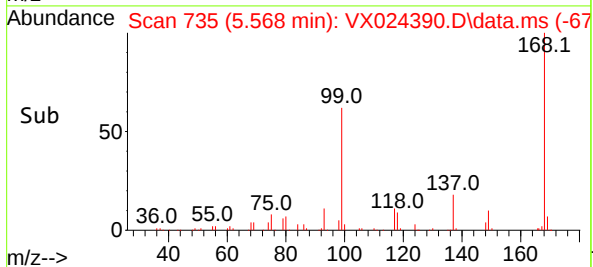
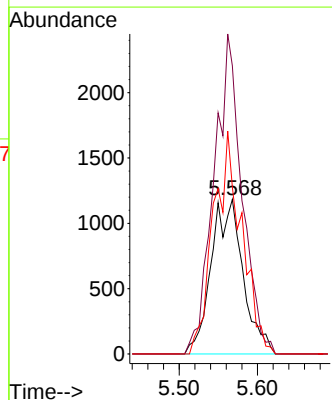
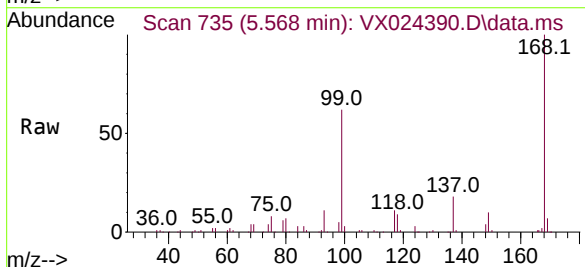
Tgt Ion: 56 Resp: 3338

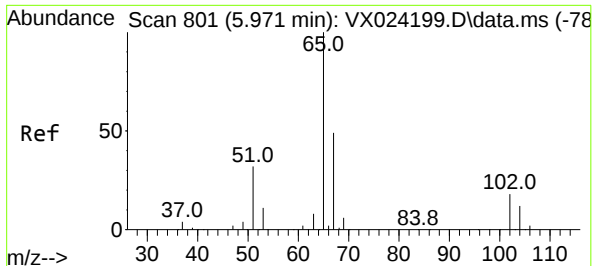
Ion Ratio Lower Upper

56 100

69 186.5 25.3 37.9#

84 107.9 71.4 107.0#



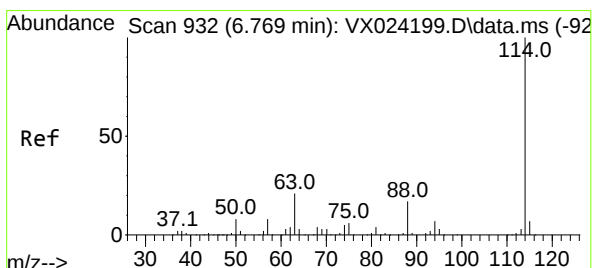
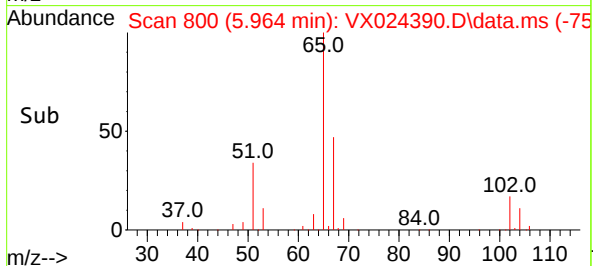
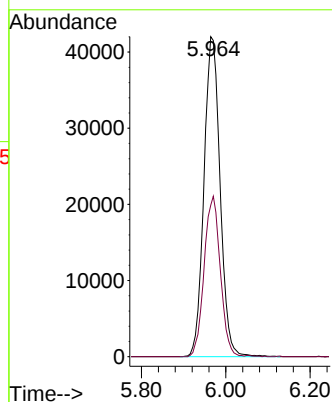
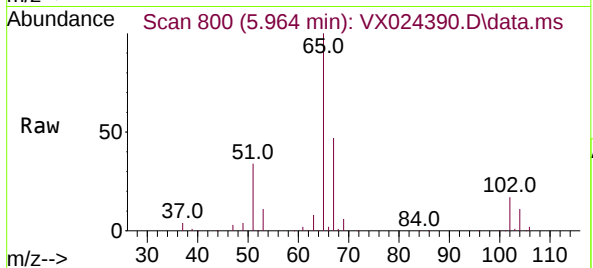


#33

1,2-Dichloroethane-d4
Concen: 50.992 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024390.D
Acq: 21 Sep 2021 16:49

Instrument :
MSVOA_N
ClientSampled :

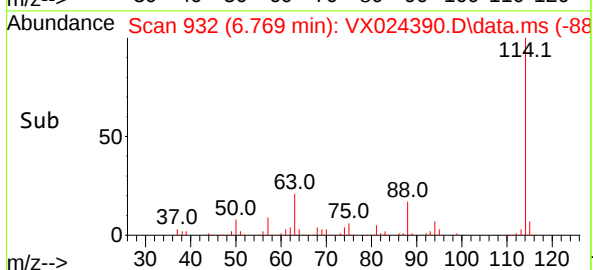
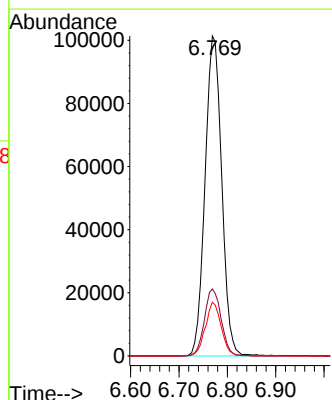
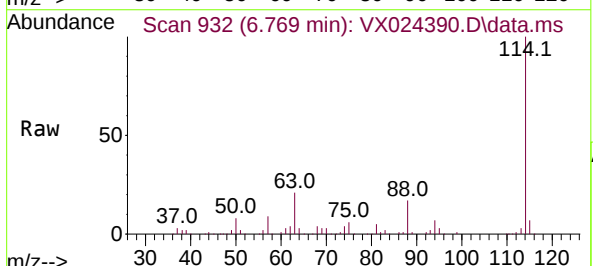
Tgt Ion: 65 Resp: 112222
Ion Ratio Lower Upper
65 100
67 50.1 0.0 105.4

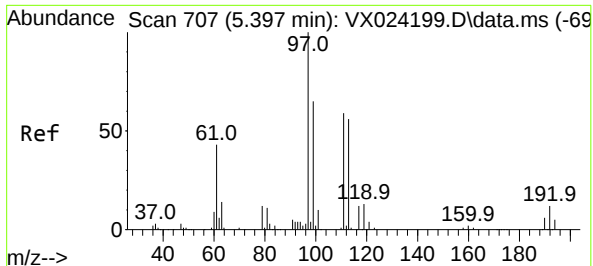


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024390.D
Acq: 21 Sep 2021 16:49

Tgt Ion: 114 Resp: 242838
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 16.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 57.615 ug/l

RT: 5.397 min Scan# 707

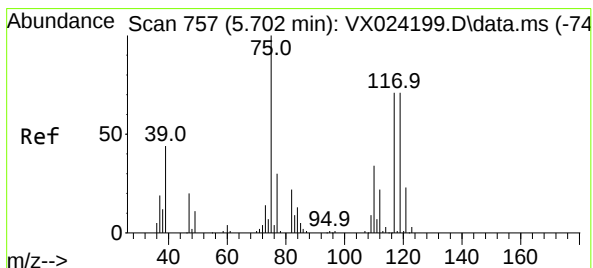
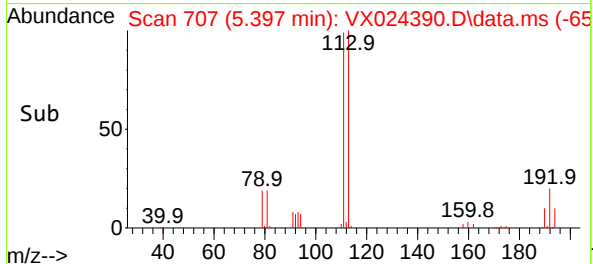
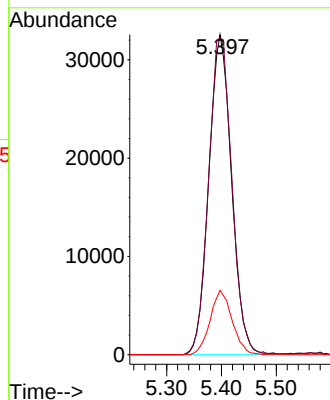
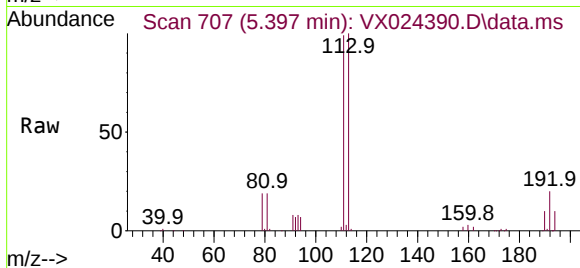
Delta R.T. 0.000 min

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Tgt Ion:	113	Resp:	93831
Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.9	122.9
192	19.4	16.7	25.1

Instrument :
MSVOA_N
ClientSampled :



#36

1,1-Dichloropropene

Concen: 5.426 ug/l

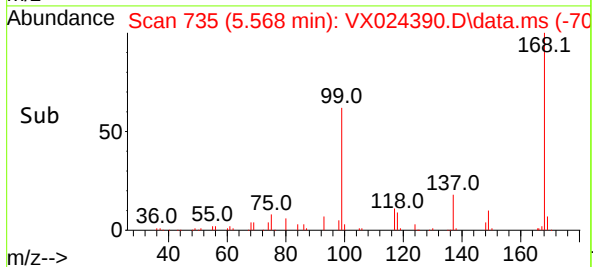
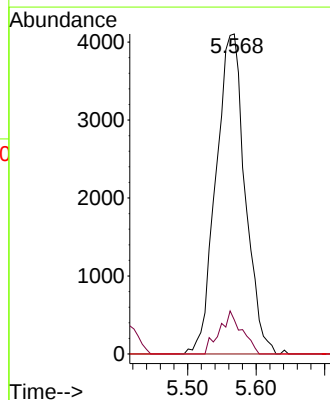
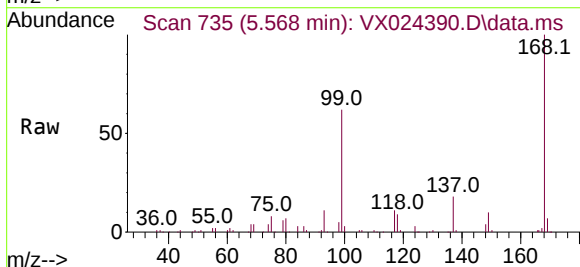
RT: 5.568 min Scan# 735

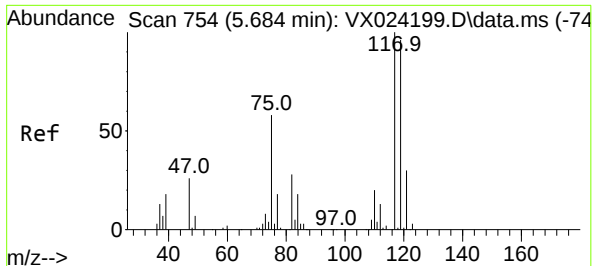
Delta R.T. -0.134 min

Lab File: VX024390.D

Acq: 21 Sep 2021 16:49

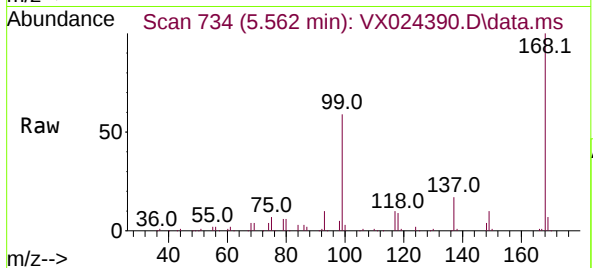
Tgt Ion:	75	Resp:	12115
Ion	Ratio	Lower	Upper
75	100		
110	10.3	18.1	54.4#
77	0.0	25.3	37.9#



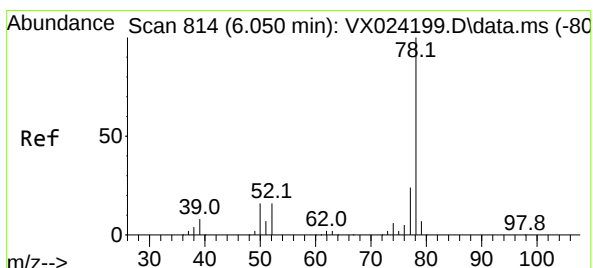
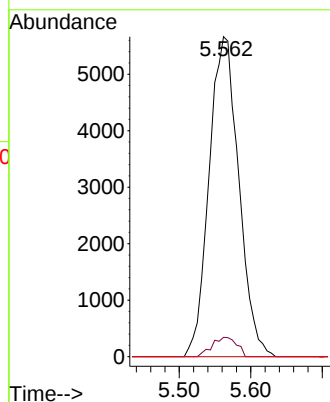
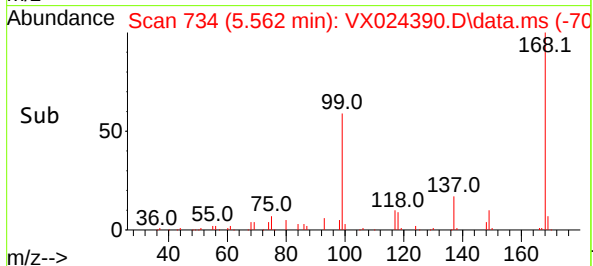


#38
Carbon Tetrachloride
Concen: 6.507 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024390.D
Acq: 21 Sep 2021 16:49

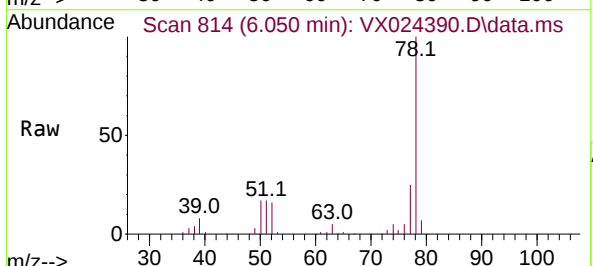
Instrument :
MSVOA_N
ClientSampled :



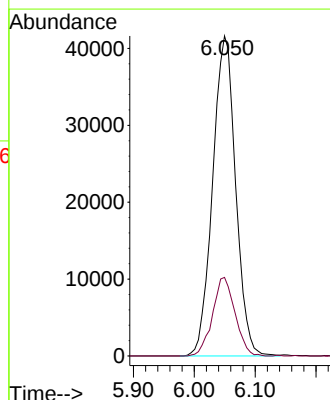
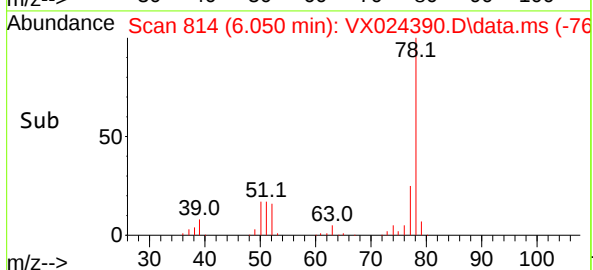
Tgt Ion:117 Resp: 16352
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 24.8 37.2#

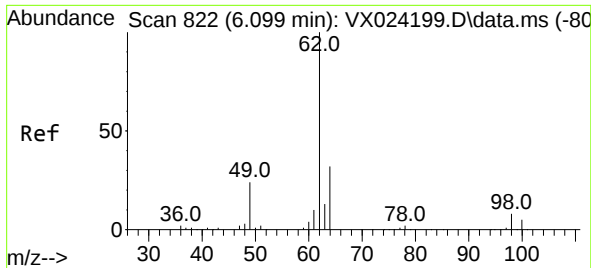


#40
Benzene
Concen: 17.040 ug/l
RT: 6.050 min Scan# 814
Delta R.T. -0.000 min
Lab File: VX024390.D
Acq: 21 Sep 2021 16:49



Tgt Ion: 78 Resp: 109114
Ion Ratio Lower Upper
78 100
77 24.5 18.9 28.3





#42

1,2-Dichloroethane

Concen: 0.531 ug/l

RT: 6.050 min Scan# 814

Delta R.T. -0.049 min

Lab File: VX024390.D

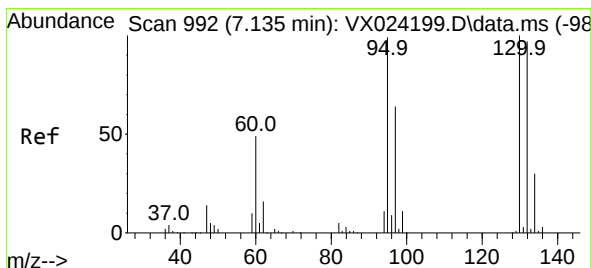
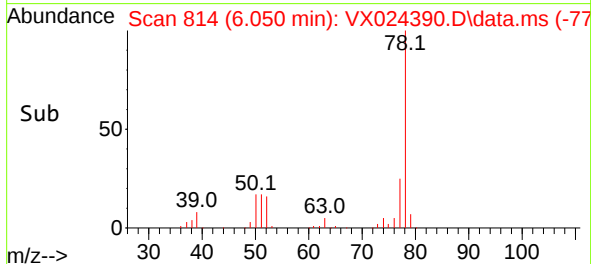
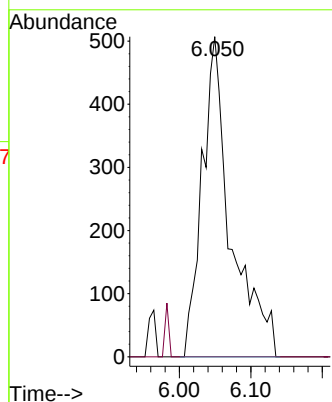
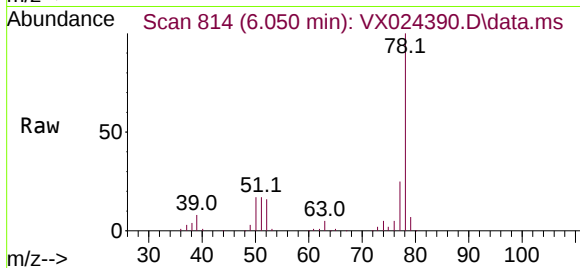
Acq: 21 Sep 2021 16:49

Tgt Ion: 62 Resp: 1418

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 0.609 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.000 min

Lab File: VX024390.D

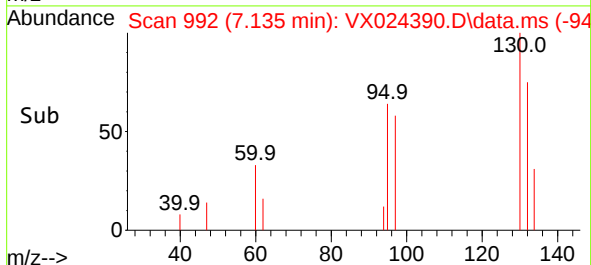
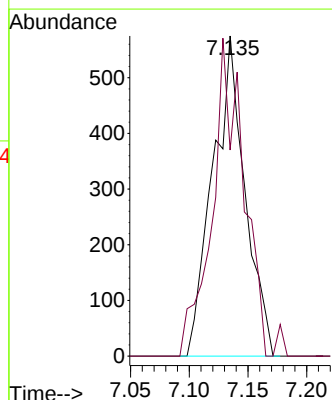
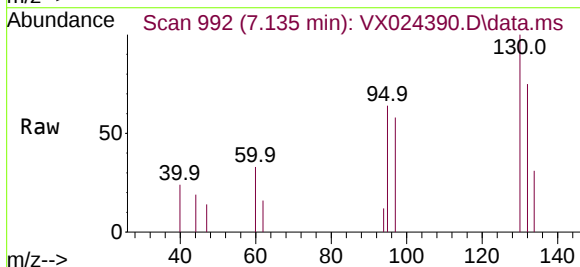
Acq: 21 Sep 2021 16:49

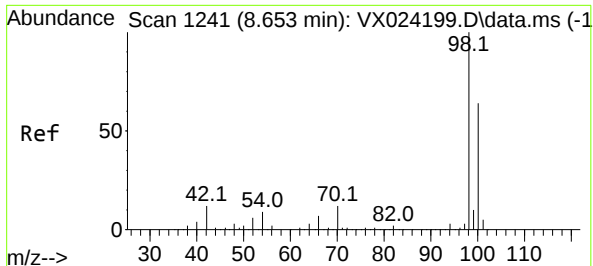
Tgt Ion: 130 Resp: 1096

Ion Ratio Lower Upper

130 100

95 64.3 0.0 198.0

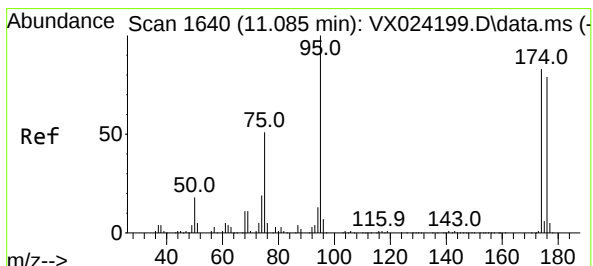
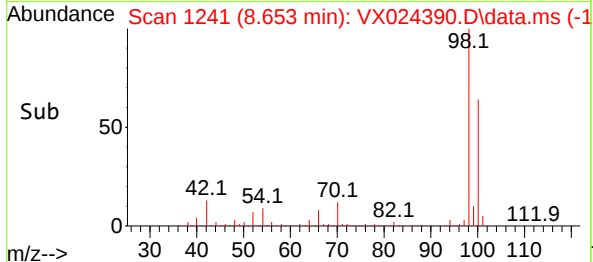
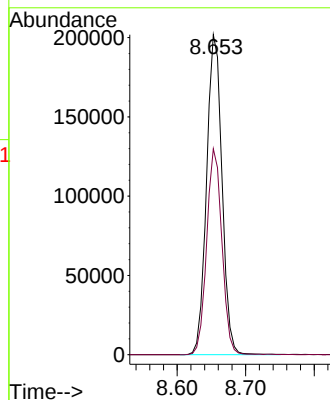
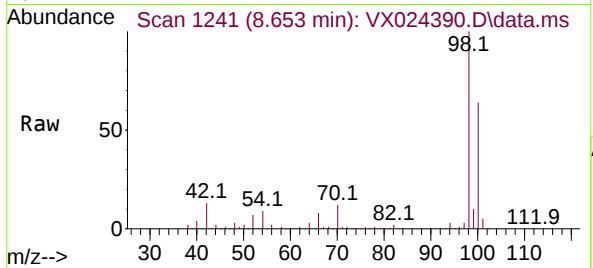




#50
Toluene-d8
Concen: 53.304 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024390.D
Acq: 21 Sep 2021 16:49

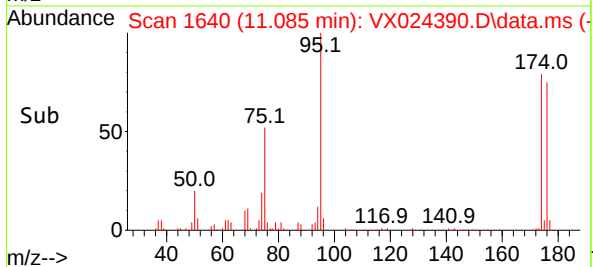
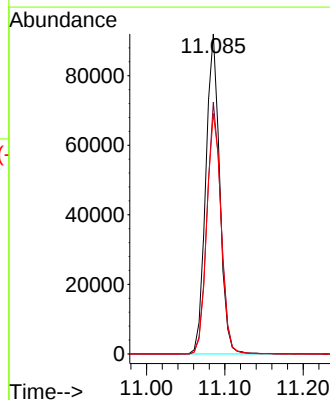
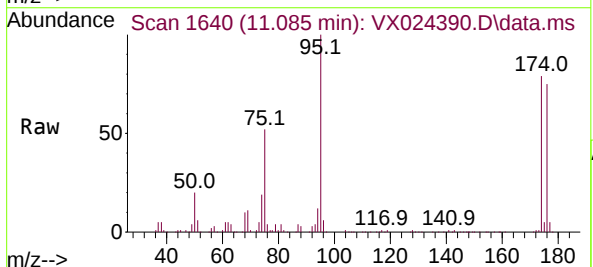
Instrument :
MSVOA_N
ClientSampled :

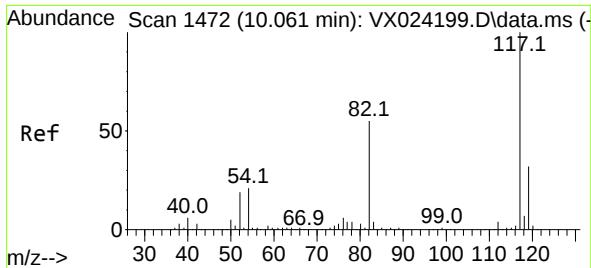
Tgt Ion: 98 Resp: 316241
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 48.930 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024390.D
Acq: 21 Sep 2021 16:49

Tgt Ion: 95 Resp: 112973
Ion Ratio Lower Upper
95 100
174 79.5 0.0 154.6
176 77.5 0.0 155.8

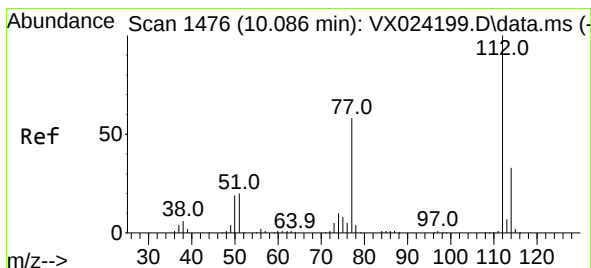
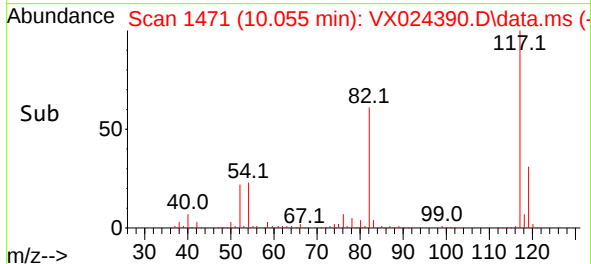
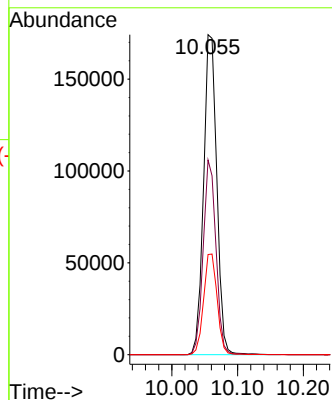
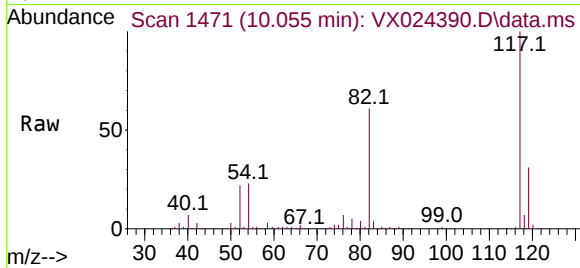




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024390.D
Acq: 21 Sep 2021 16:49

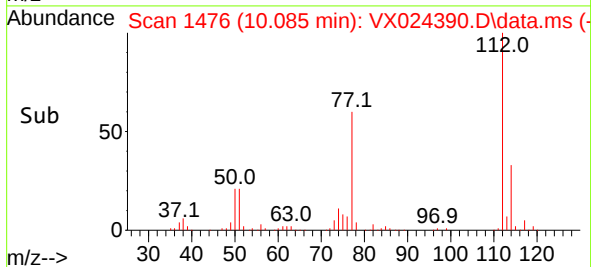
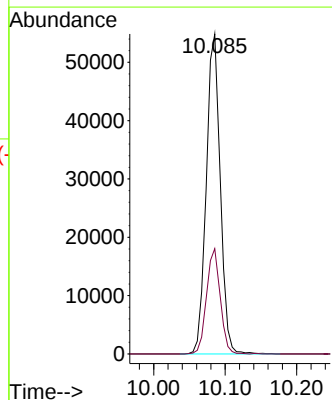
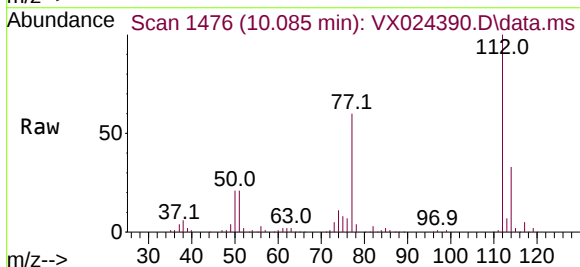
Instrument :
MSVOA_N
ClientSampled :

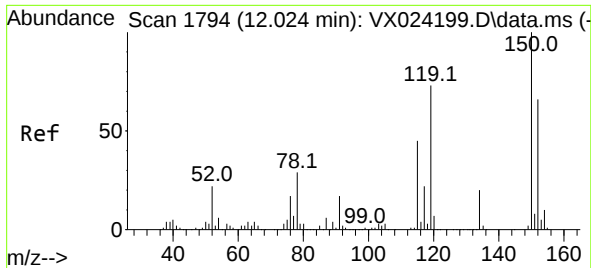
Tgt Ion:117 Resp: 243554
Ion Ratio Lower Upper
117 100
82 60.8 47.4 71.2
119 31.3 26.6 39.8



#65
Chlorobenzene
Concen: 14.892 ug/l
RT: 10.085 min Scan# 1476
Delta R.T. -0.001 min
Lab File: VX024390.D
Acq: 21 Sep 2021 16:49

Tgt Ion:112 Resp: 74620
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.6

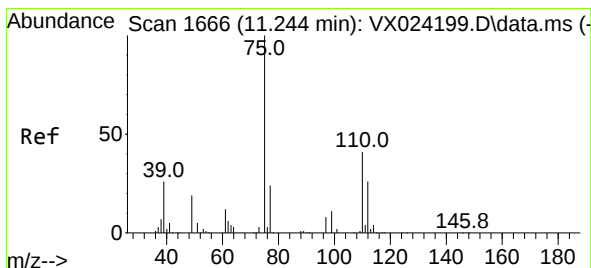
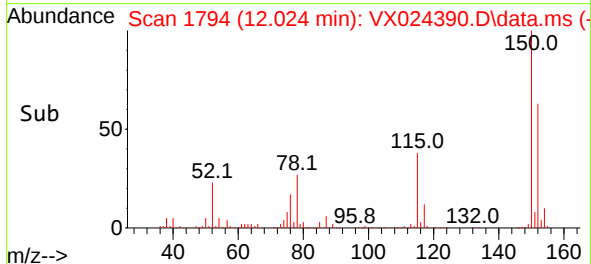
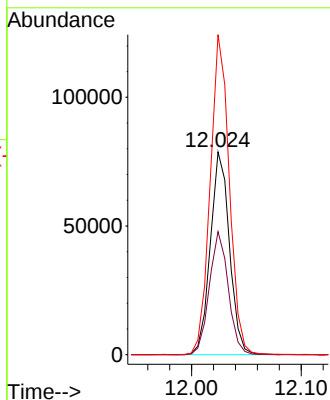
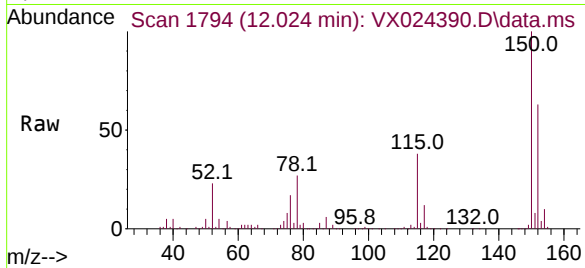




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024390.D
 Acq: 21 Sep 2021 16:49

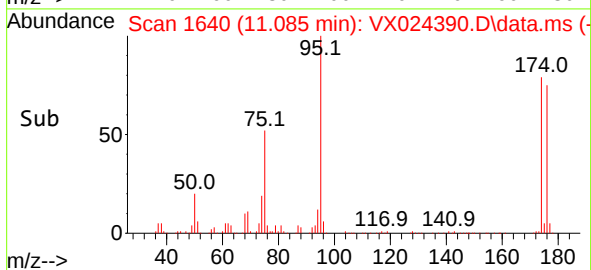
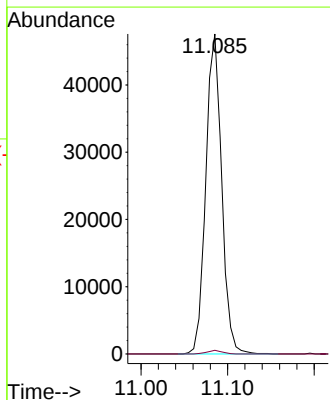
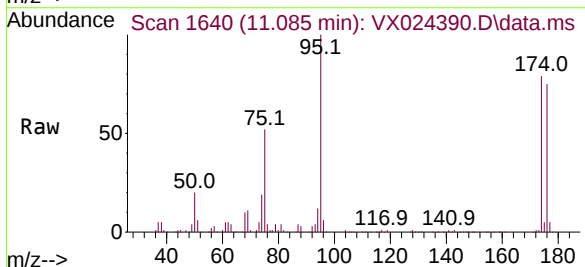
Instrument :
 MSVOA_N
 ClientSampled :

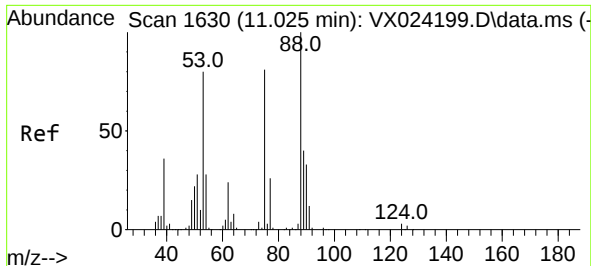
Tgt Ion:152 Resp: 95456
 Ion Ratio Lower Upper
 152 100
 115 60.1 41.1 123.3
 150 157.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 27.537 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024390.D
 Acq: 21 Sep 2021 16:49

Tgt Ion: 75 Resp: 60442
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

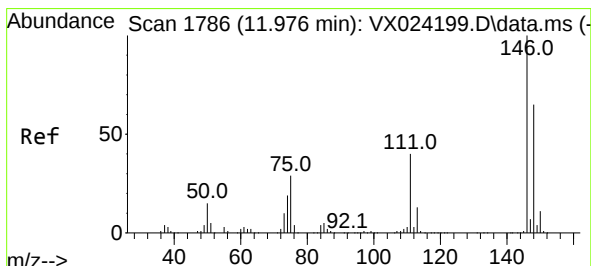
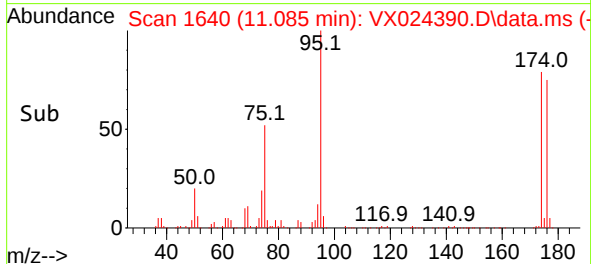
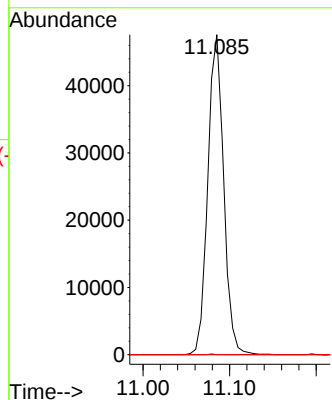
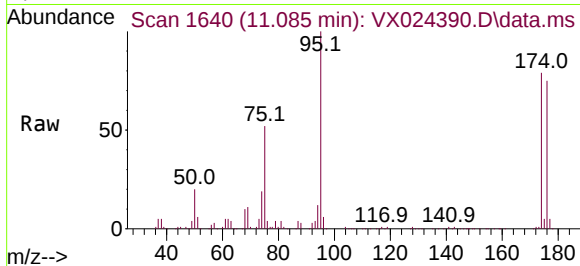




#81
trans-1,4-Dichloro-2-butene
Concen: 80.987 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024390.D
Acq: 21 Sep 2021 16:49

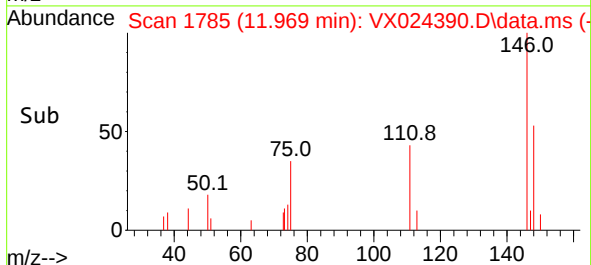
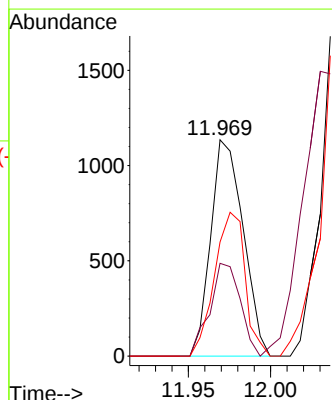
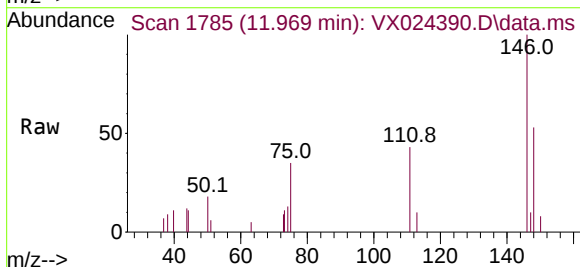
Instrument :
MSVOA_N
ClientSampled :

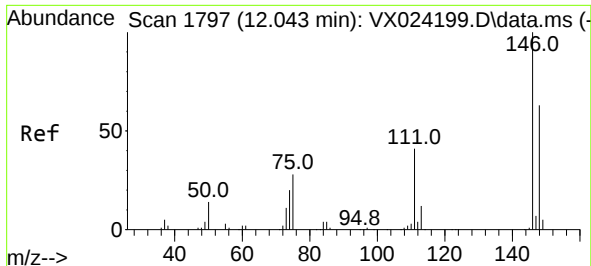
Tgt Ion: 75 Resp: 60442
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#87
1,3-Dichlorobenzene
Concen: 0.486 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.007 min
Lab File: VX024390.D
Acq: 21 Sep 2021 16:49

Tgt Ion:146 Resp: 1555
Ion Ratio Lower Upper
146 100
111 40.2 20.2 60.5
148 62.6 31.9 95.7

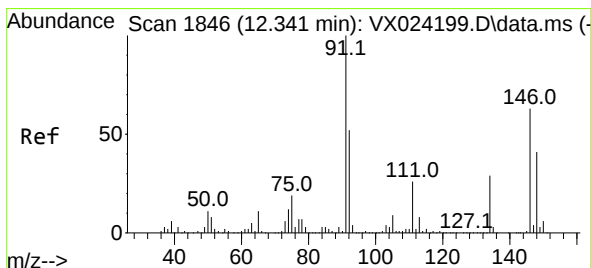
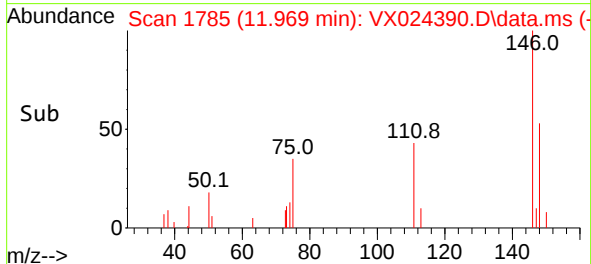
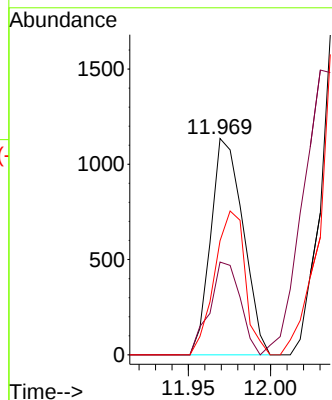
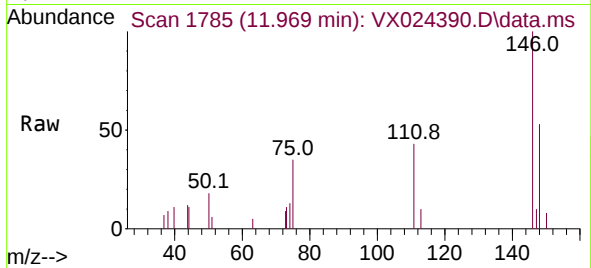




#88
1,4-Dichlorobenzene
Concen: 0.476 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.074 min
Lab File: VX024390.D
Acq: 21 Sep 2021 16:49

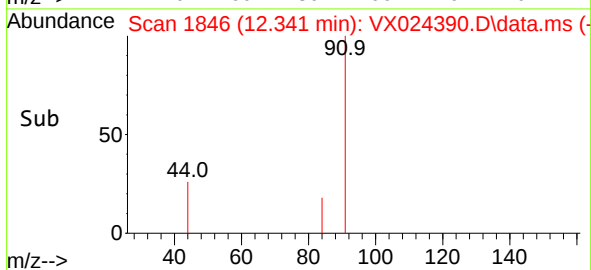
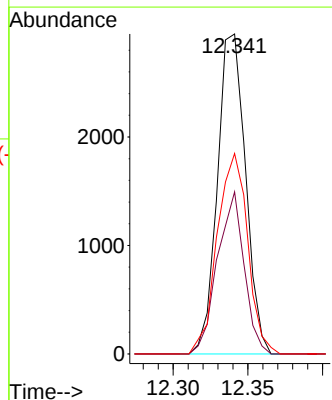
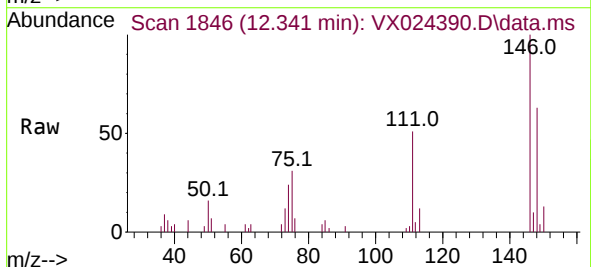
Instrument :
MSVOA_N
ClientSampled :

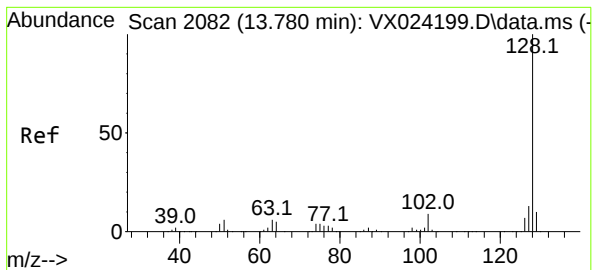
Tgt Ion:146 Resp: 1555
Ion Ratio Lower Upper
146 100
111 40.2 19.6 58.8
148 62.6 31.6 95.0



#91
1,2-Dichlorobenzene
Concen: 1.230 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.000 min
Lab File: VX024390.D
Acq: 21 Sep 2021 16:49

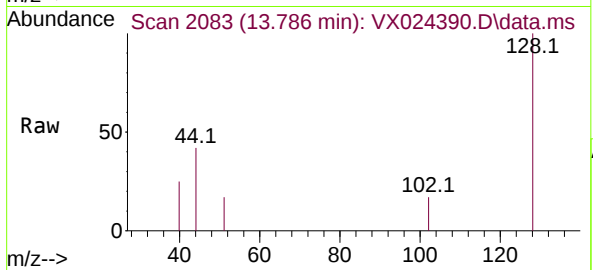
Tgt Ion:146 Resp: 3863
Ion Ratio Lower Upper
146 100
111 47.9 20.8 62.2
148 67.7 31.9 95.5





#95
Naphthalene
Concen: 1.379 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX024390.D
Acq: 21 Sep 2021 16:49

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	647
Ion	Ratio	Lower	Upper
128	100		
127	4.3	10.3	15.5#
129	0.0	8.8	13.2#

