

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091721\
 Data File : VX024330.D
 Acq On : 18 Sep 2021 00:35
 Operator : JC/MD
 Sample : M3782-19 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20210915

Quant Time: Sep 20 02:43:24 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)

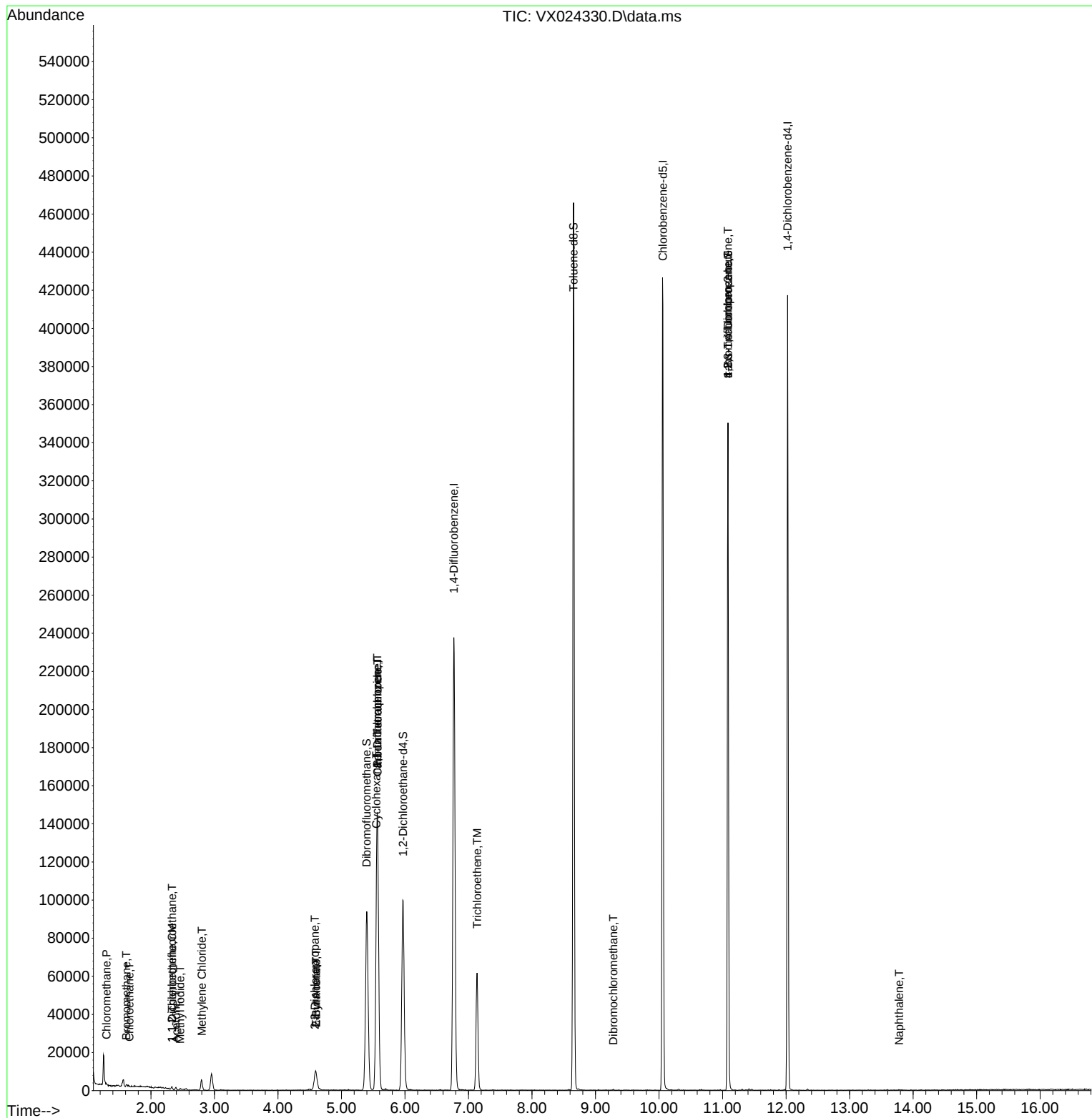
Internal Standards						
1) Pentafluorobenzene	5.562	168	136260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	235712	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	193803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	100818	51.887	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.780%
35) Dibromofluoromethane	5.397	113	79445	50.257	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.520%
50) Toluene-d8	8.653	98	259824	45.118	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.240%#
62) 4-Bromofluorobenzene	11.085	95	85536	38.167	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	76.340%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	441	0.322	ug/l #	42
5) Bromomethane	1.612	94	782	0.965	ug/l	82
6) Chloroethane	1.660	64	176	2.154	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	325	0.242	ug/l #	80
10) Methyl Iodide	2.459	142	1094	0.589	ug/l #	87
11) Tert butyl alcohol	2.953	59	5250	Below Cal	#	76
12) 1,1-Dichloroethene	2.331	96	378	0.301	ug/l #	45
16) Acetone	2.392	43	1271	1.534	ug/l #	82
20) Methylene Chloride	2.800	84	2312	1.453	ug/l	97
25) 2-Butanone	4.599	43	738	0.605	ug/l	99
26) 2,2-Dichloropropane	4.580	77	465	0.202	ug/l #	52
31) Cyclohexane	5.550	56	2937	1.292	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	10727	4.950	ug/l #	49
37) Ethyl Acetate	4.599	43	738	0.292	ug/l #	1
38) Carbon Tetrachloride	5.568	117	14620	5.994	ug/l #	15
44) Trichloroethene	7.135	130	23754	13.602	ug/l	98
60) Dibromochloromethane	9.281	129	61	1.756	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	46850	25.359	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	46850	74.581	ug/l #	12
95) Naphthalene	13.780	128	255	1.330	ug/l #	69

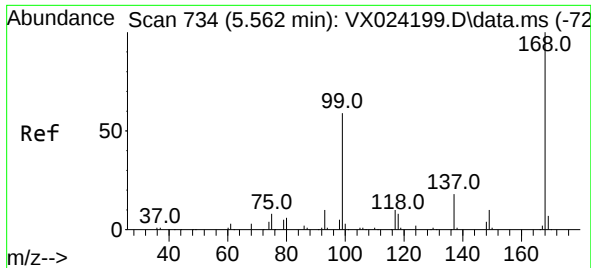
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 20 02:43:24 2021
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Quant Title : SW846 8260
QLast Update : Tue Sep 14 12:18:04 2021
Response via : Initial Calibration

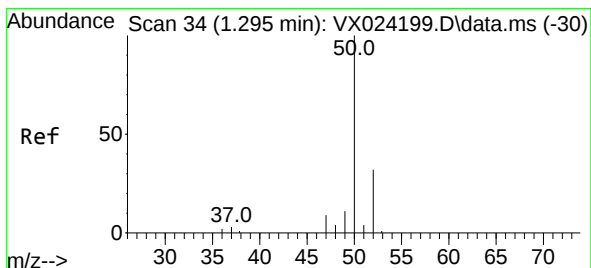
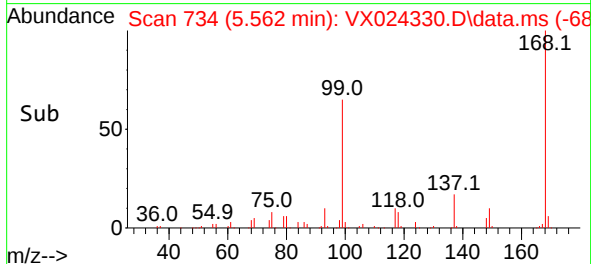
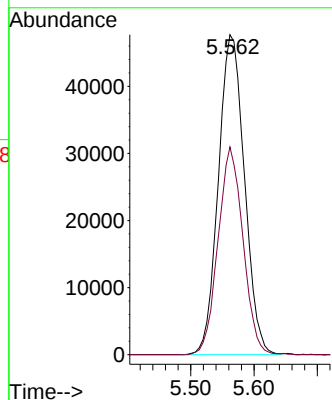
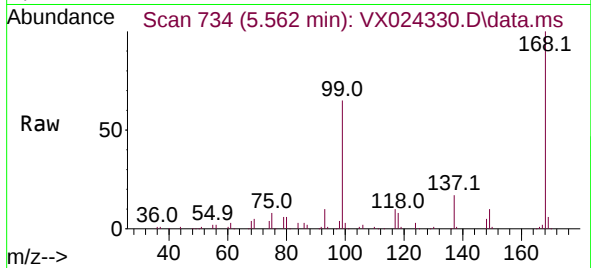




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

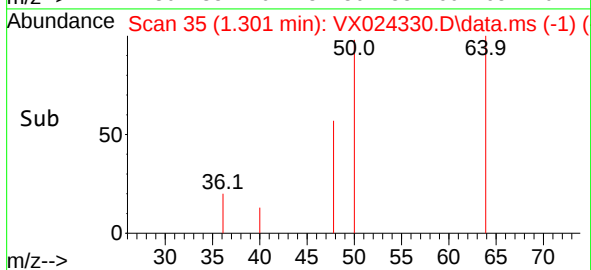
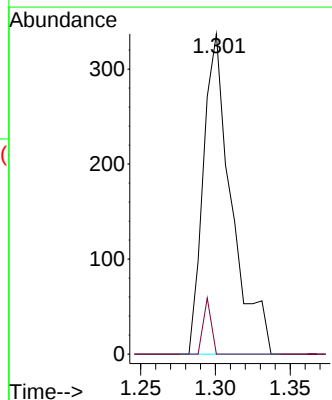
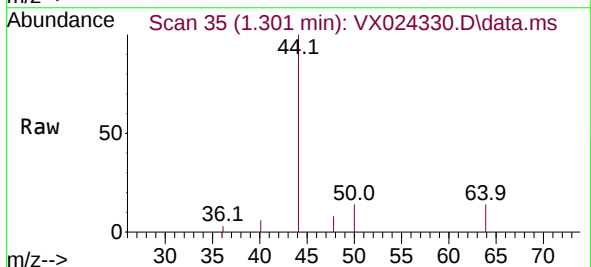
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

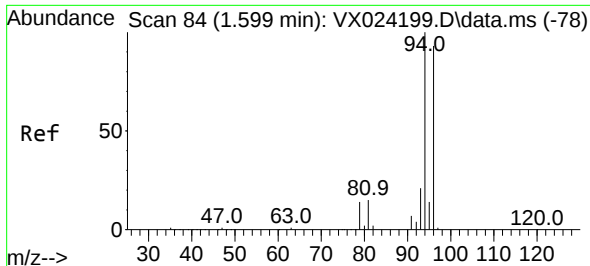
Tgt Ion:168 Resp: 136260
Ion Ratio Lower Upper
168 100
99 64.9 45.8 68.6



#3
Chloromethane
Concen: 0.322 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

Tgt Ion: 50 Resp: 441
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

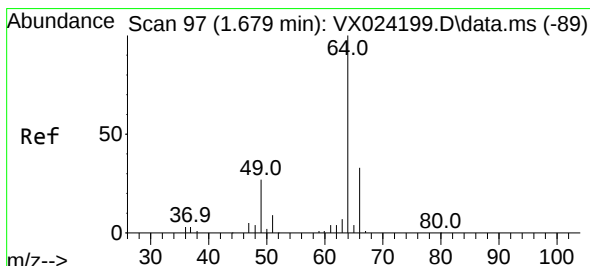
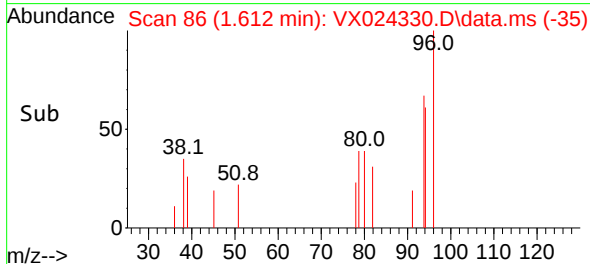
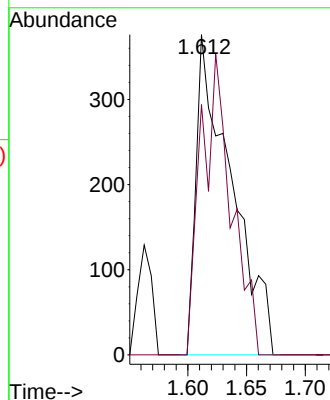
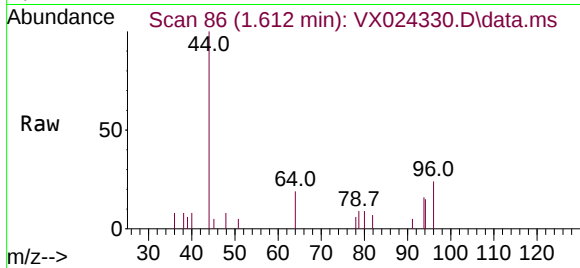




#5
Bromomethane
Concen: 0.965 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

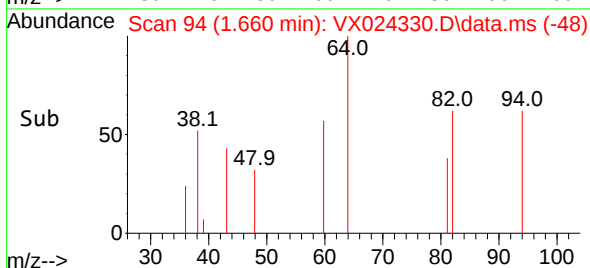
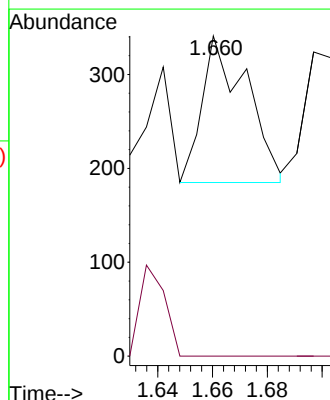
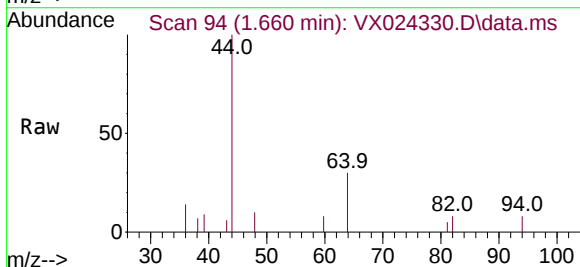
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

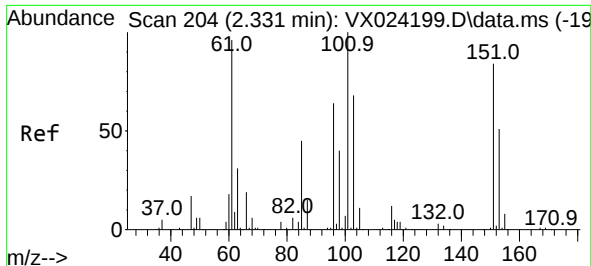
Tgt Ion: 94 Resp: 782
Ion Ratio Lower Upper
94 100
96 78.2 76.4 114.6



#6
Chloroethane
Concen: 2.154 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.019 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

Tgt Ion: 64 Resp: 176
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

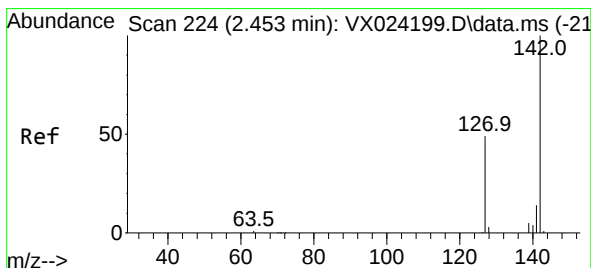
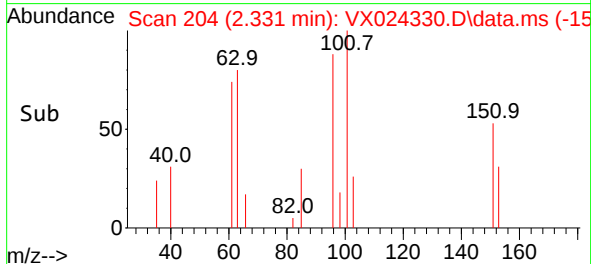
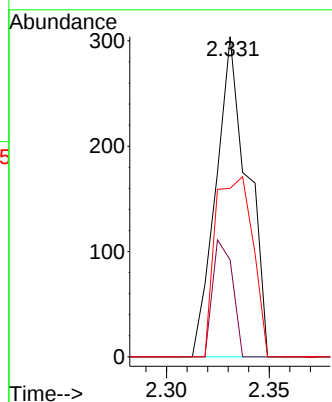
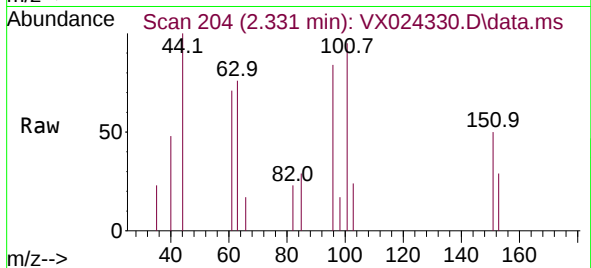




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.242 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

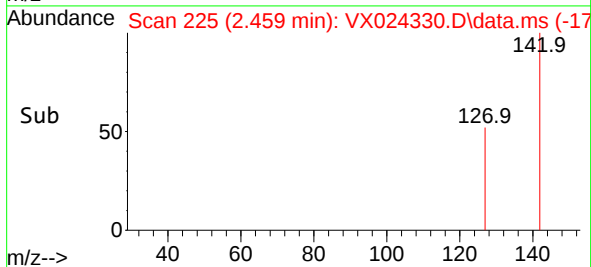
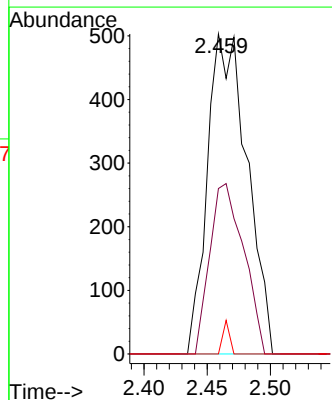
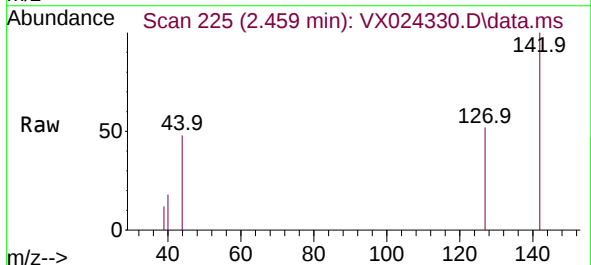
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

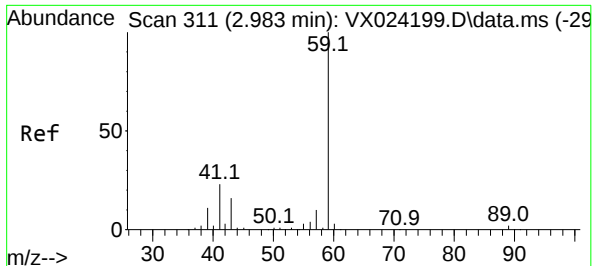
Tgt Ion:101 Resp: 325
Ion Ratio Lower Upper
101 100
85 22.8 34.9 52.3#
151 66.2 61.4 92.2



#10
Methyl Iodide
Concen: 0.589 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

Tgt Ion:142 Resp: 1094
Ion Ratio Lower Upper
142 100
127 45.7 33.3 49.9
141 1.7 11.4 17.0#



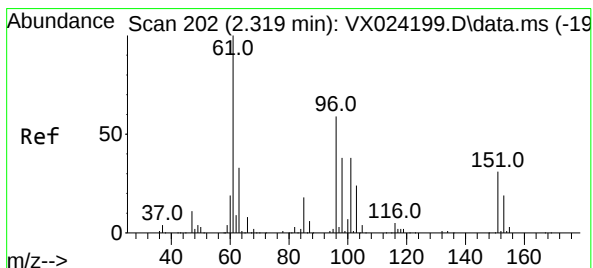
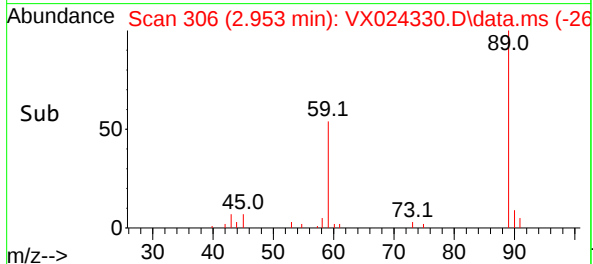
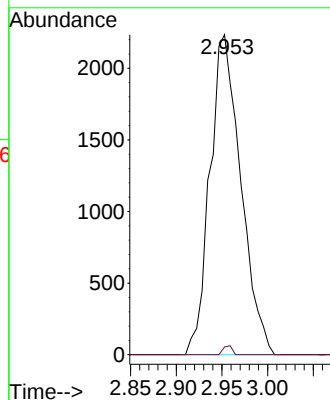
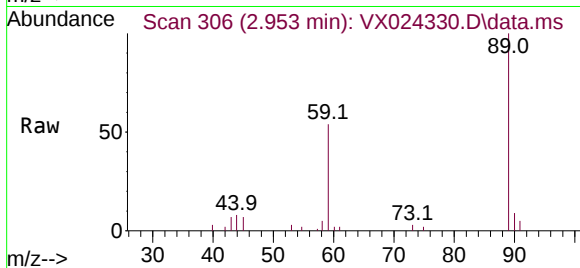


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

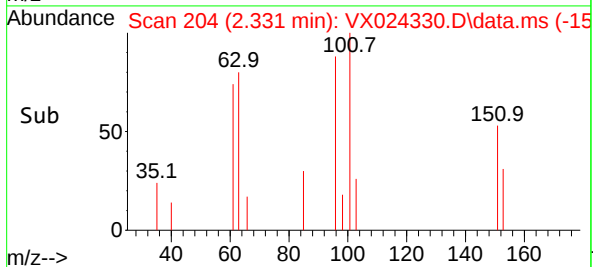
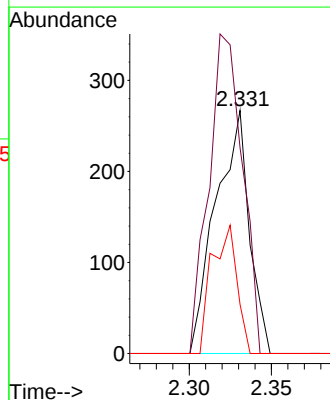
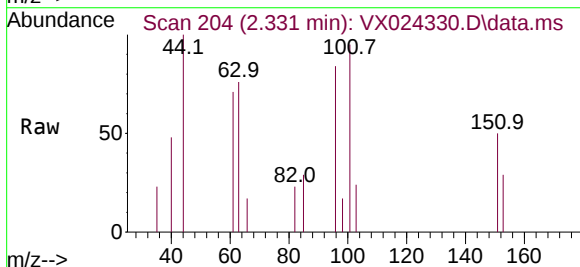
Tgt Ion: 59 Resp: 5250
Ion Ratio Lower Upper
59 100
57 0.8 7.8 11.8#

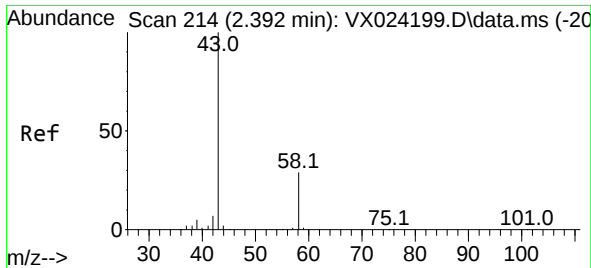


#12

1,1-Dichloroethene
Concen: 0.301 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.012 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

Tgt Ion: 96 Resp: 378
Ion Ratio Lower Upper
96 100
61 84.6 124.6 187.0#
98 20.2 50.6 76.0#

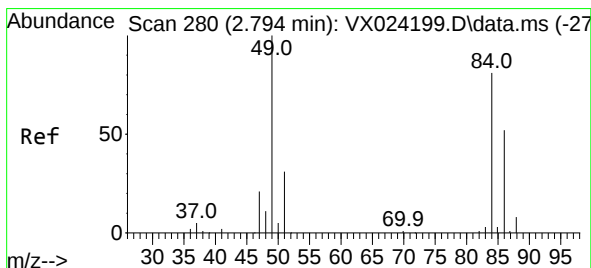
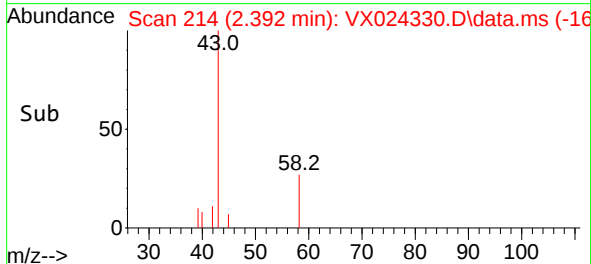
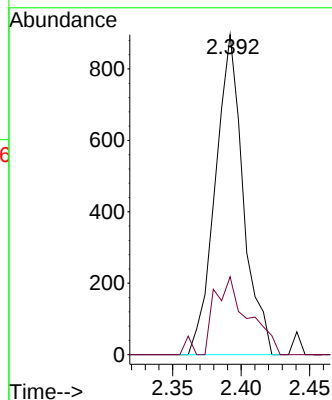
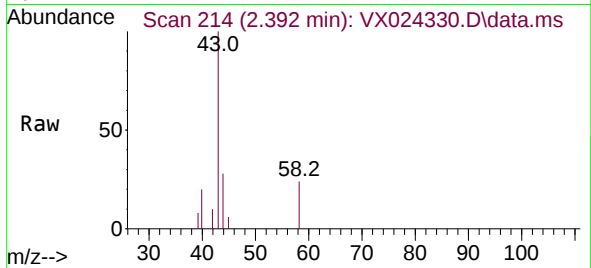




#16
Acetone
Concen: 1.534 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

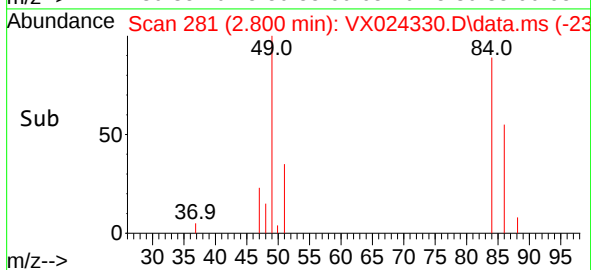
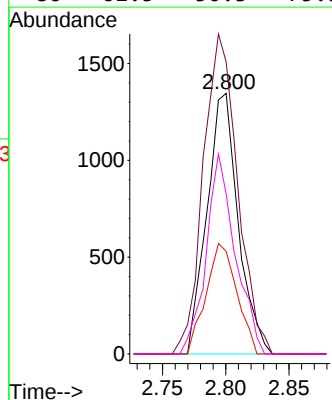
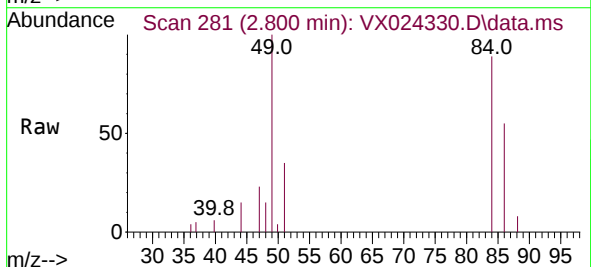
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ClientSampleId :
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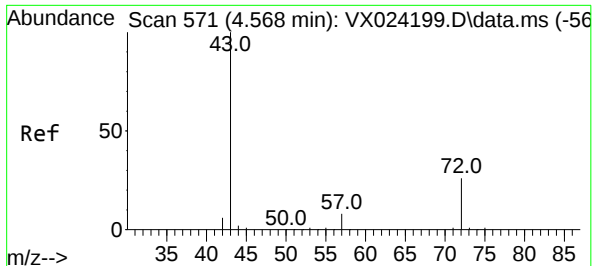
Tgt Ion: 43 Resp: 1271
Ion Ratio Lower Upper
43 100
58 24.3 27.8 41.8#



#20
Methylene Chloride
Concen: 1.453 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

Tgt Ion: 84 Resp: 2312
Ion Ratio Lower Upper
84 100
49 112.1 88.6 132.8
51 39.4 27.0 40.6
86 61.5 50.3 75.5





#25

2-Butanone

Concen: 0.605 ug/l

RT: 4.599 min Scan# 576

Delta R.T. 0.031 min

Lab File: VX024330.D

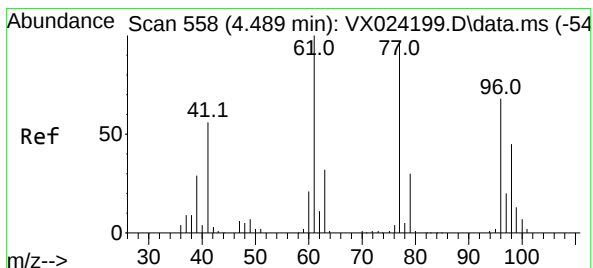
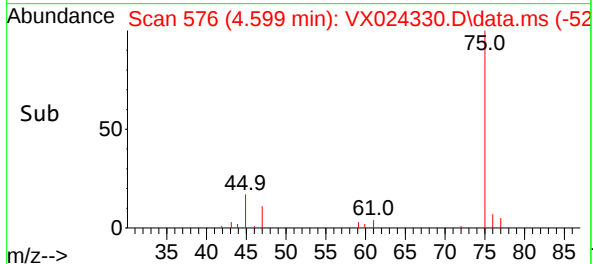
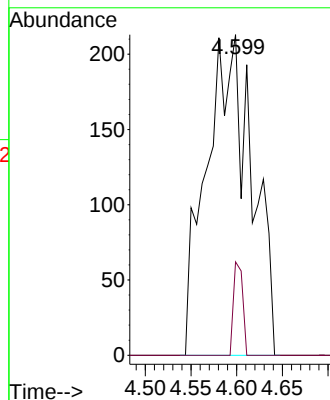
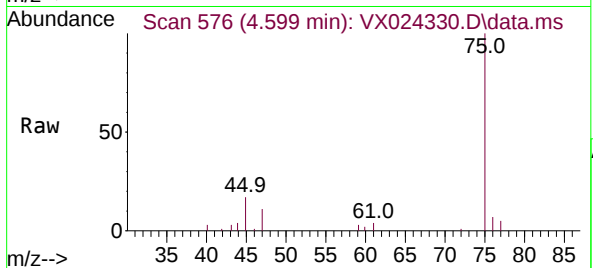
Acq: 18 Sep 2021 00:35

Tgt Ion: 43 Resp: 738

Ion Ratio Lower Upper

43 100

72 29.1 23.7 35.5



#26

2,2-Dichloropropane

Concen: 0.202 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.091 min

Lab File: VX024330.D

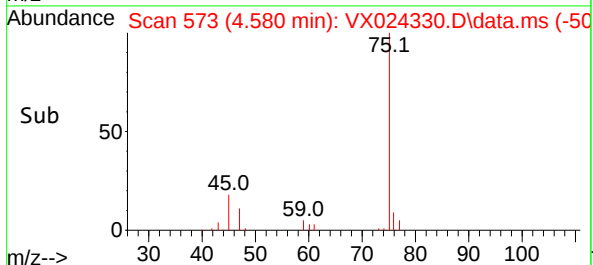
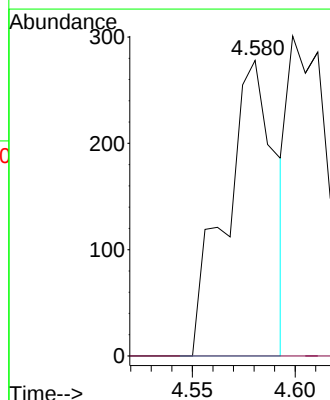
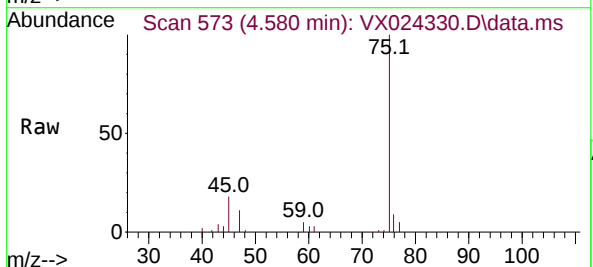
Acq: 18 Sep 2021 00:35

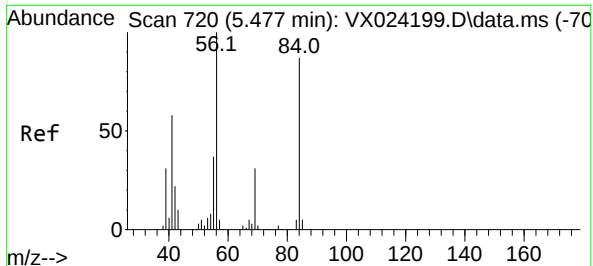
Tgt Ion: 77 Resp: 465

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.1#

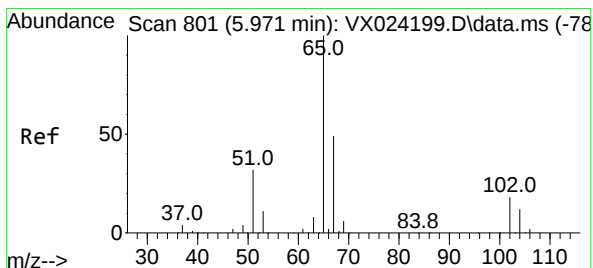
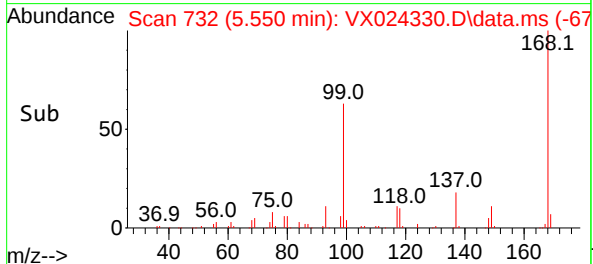
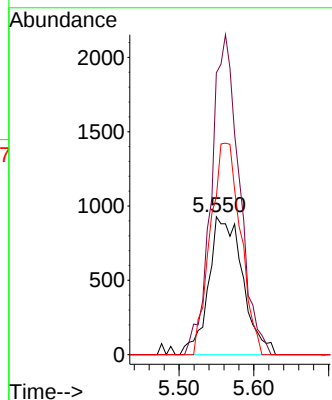
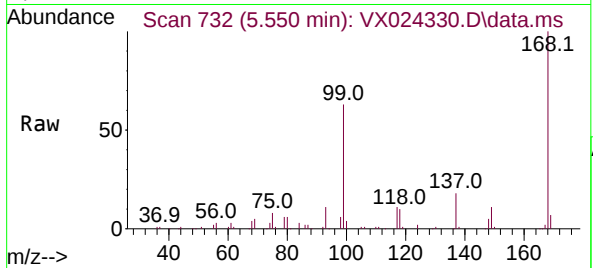




#31
Cyclohexane
Concen: 1.292 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

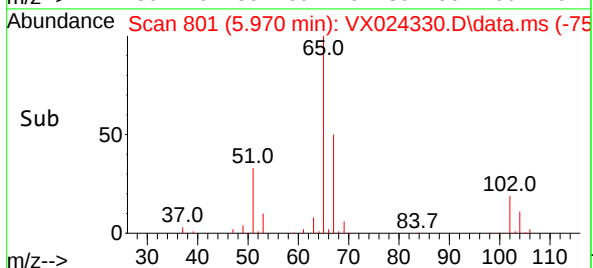
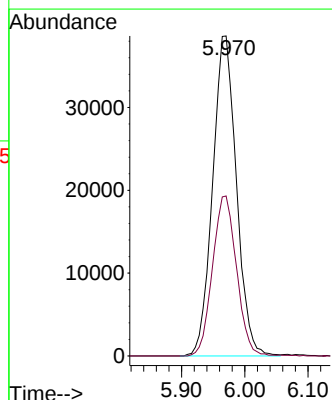
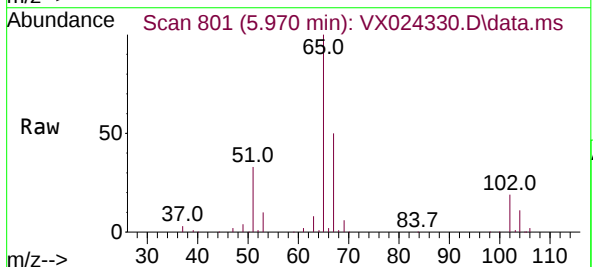
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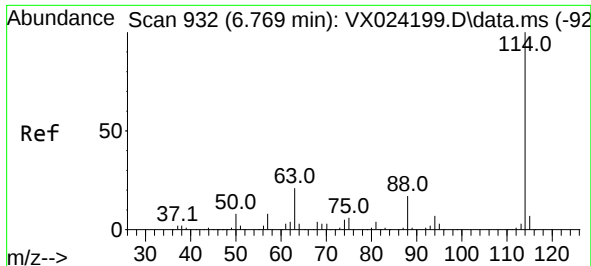
Tgt Ion: 56 Resp: 2937
Ion Ratio Lower Upper
56 100
69 204.4 25.3 37.9#
84 114.2 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.887 ug/l
RT: 5.970 min Scan# 801
Delta R.T. -0.001 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

Tgt Ion: 65 Resp: 100818
Ion Ratio Lower Upper
65 100
67 50.4 0.0 105.4

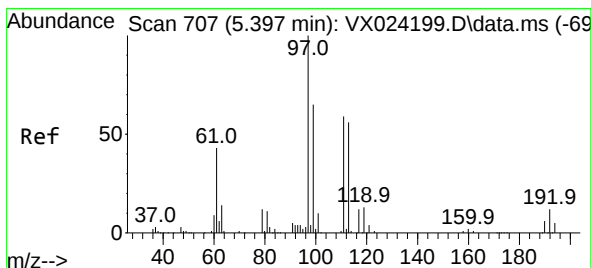
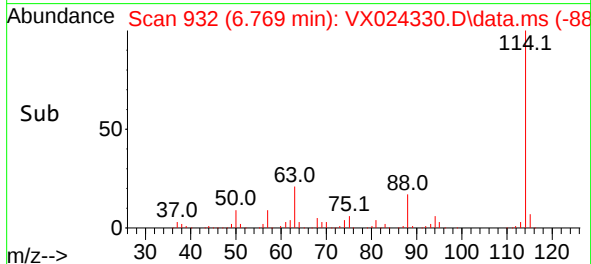
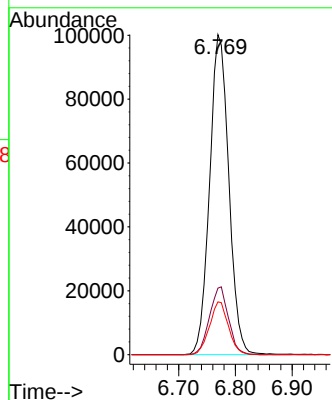
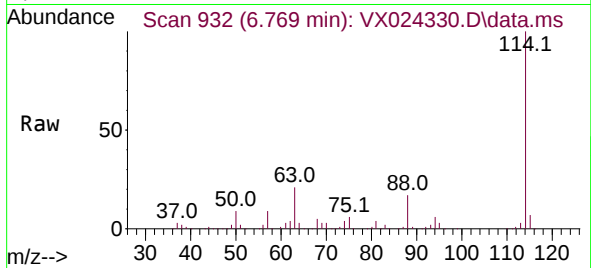




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

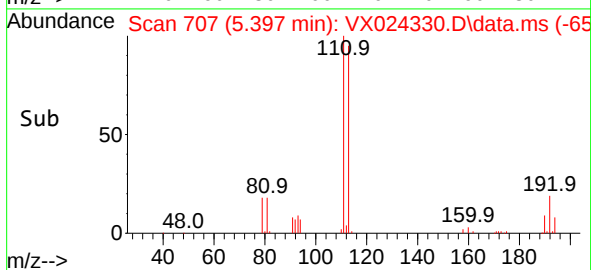
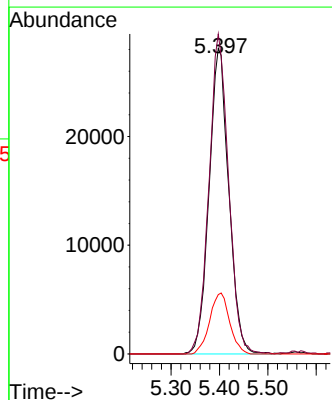
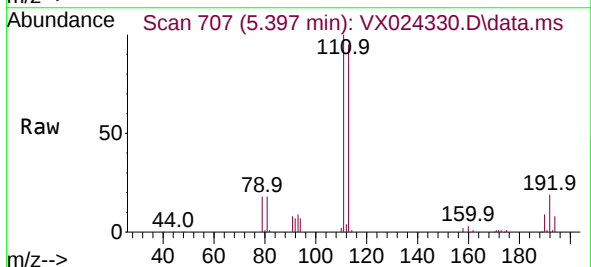
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

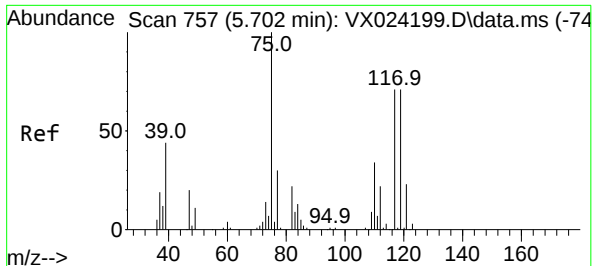
Tgt Ion:114 Resp: 235712
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.257 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

Tgt Ion:113 Resp: 79445
Ion Ratio Lower Upper
113 100
111 104.4 81.9 122.9
192 20.2 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.950 ug/l

RT: 5.562 min Scan# 734

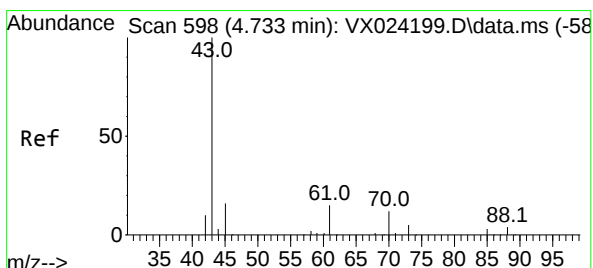
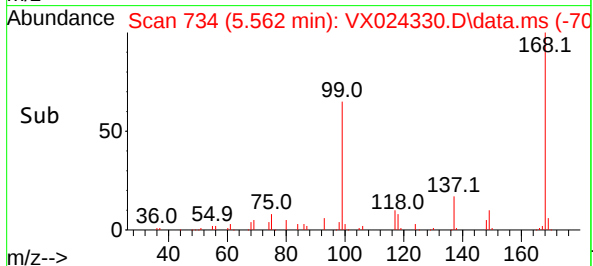
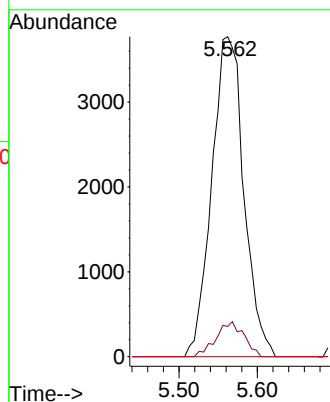
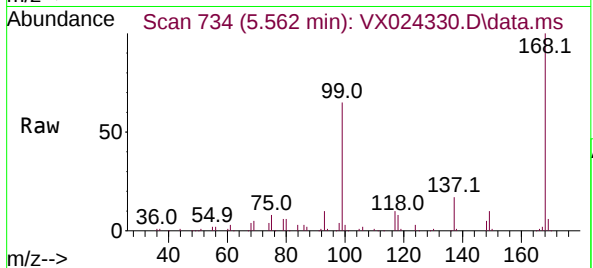
Delta R.T. -0.140 min

Lab File: VX024330.D

Acq: 18 Sep 2021 00:35

Tgt Ion: 75	Resp: 10727
Ion Ratio	Lower Upper
75 100	
110 9.5	18.1 54.4#
77 0.0	25.3 37.9#

Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915



#37

Ethyl Acetate

Concen: 0.292 ug/l

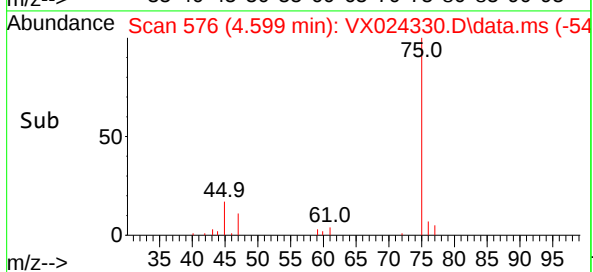
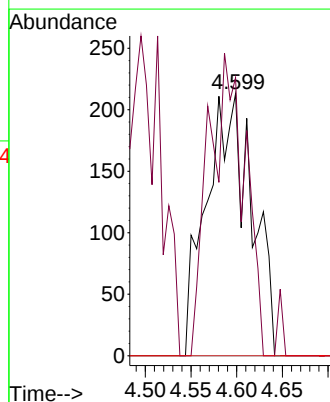
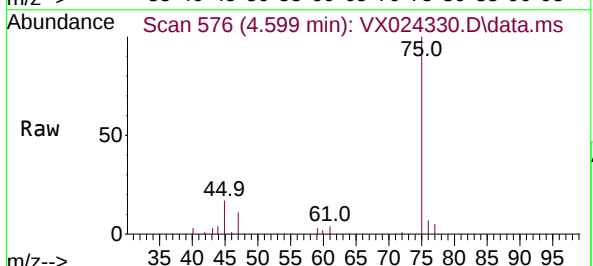
RT: 4.599 min Scan# 576

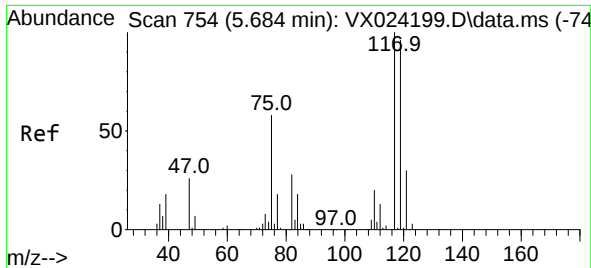
Delta R.T. -0.134 min

Lab File: VX024330.D

Acq: 18 Sep 2021 00:35

Tgt Ion: 43	Resp: 738
Ion Ratio	Lower Upper
43 100	
61 92.0	12.8 19.2#
70 0.0	10.5 15.7#

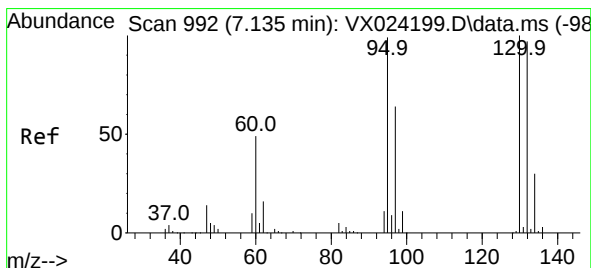
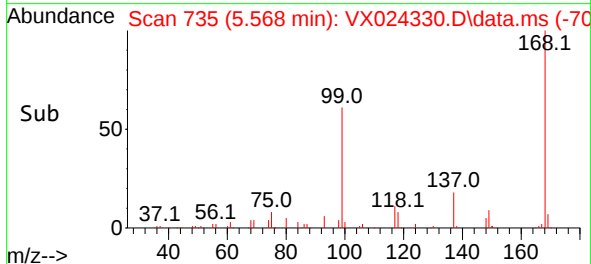
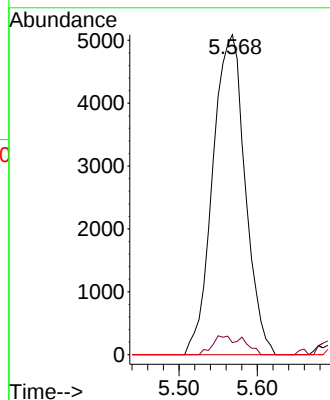
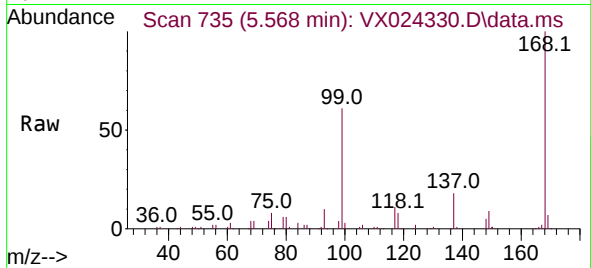




#38
Carbon Tetrachloride
Concen: 5.994 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.116 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

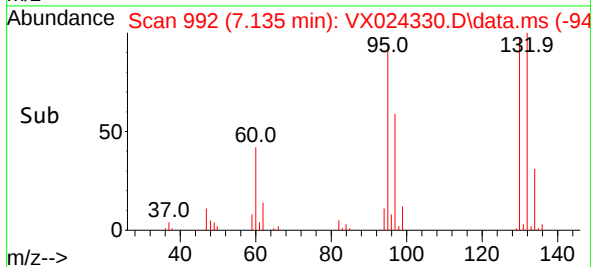
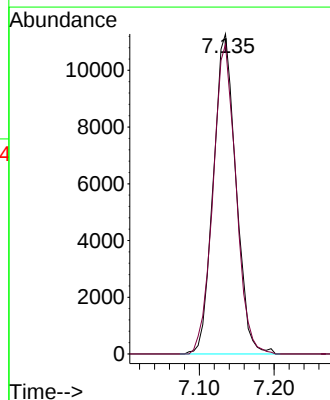
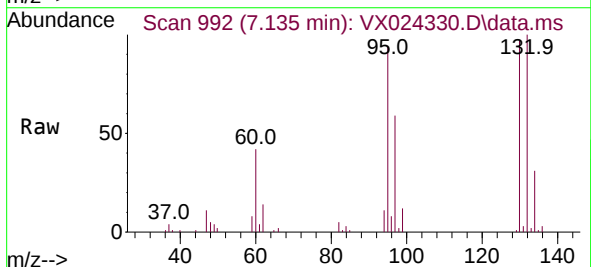
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

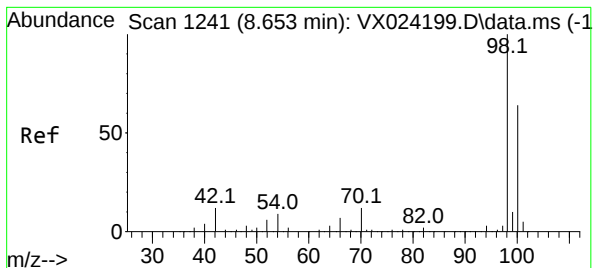
Tgt Ion:117 Resp: 14620
Ion Ratio Lower Upper
117 100
119 3.7 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 13.602 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

Tgt Ion:130 Resp: 23754
Ion Ratio Lower Upper
130 100
95 96.8 0.0 198.0

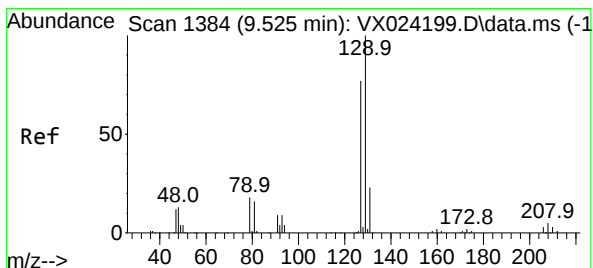
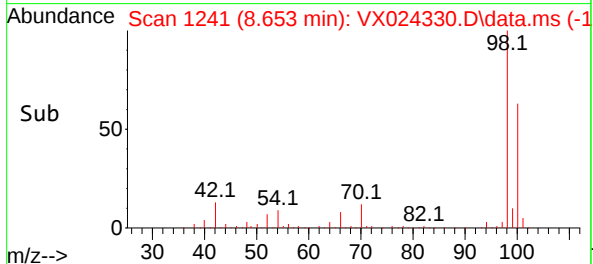
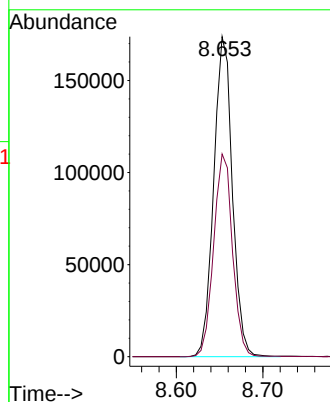
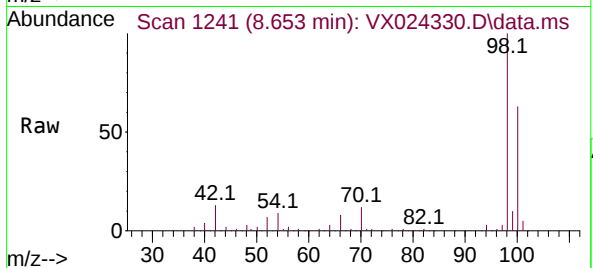




#50
Toluene-d8
Concen: 45.118 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

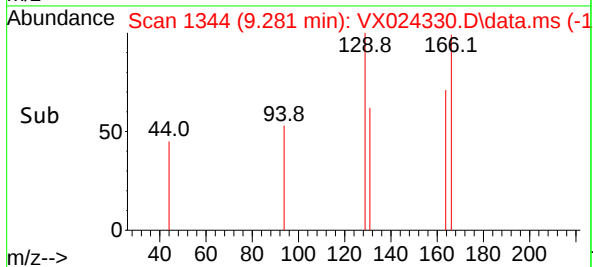
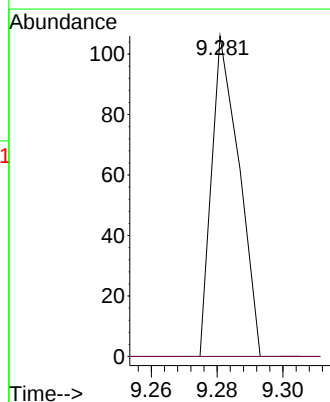
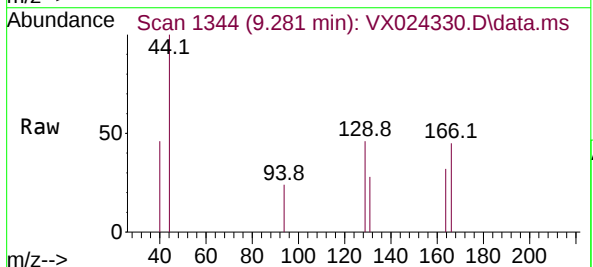
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

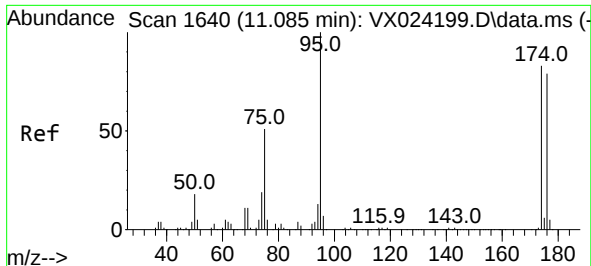
Tgt Ion: 98 Resp: 259824
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#60
Dibromochloromethane
Concen: 1.756 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

Tgt Ion: 129 Resp: 61
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

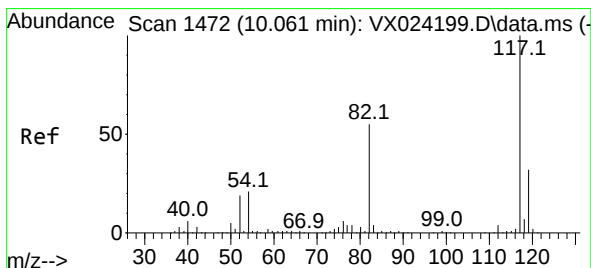
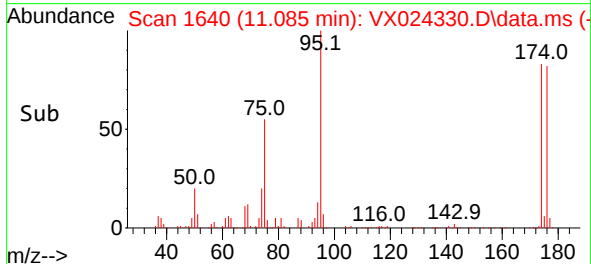
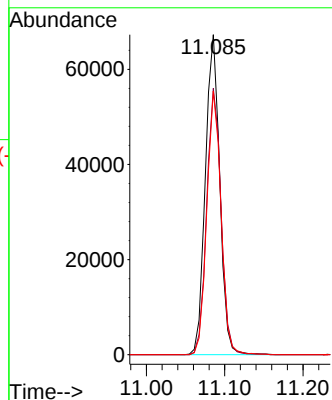
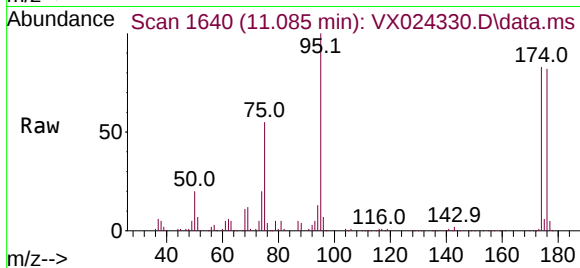




#62
4-Bromofluorobenzene
Concen: 38.167 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

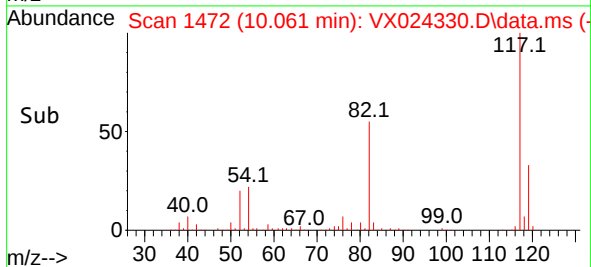
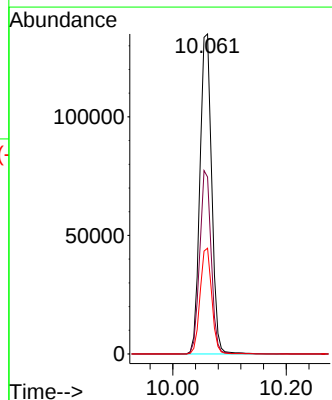
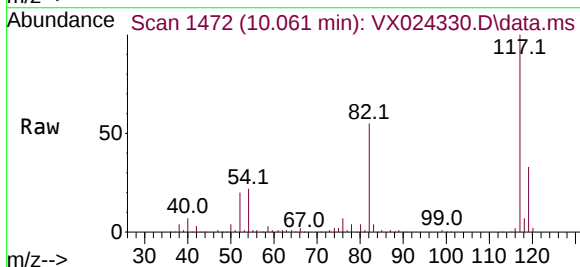
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

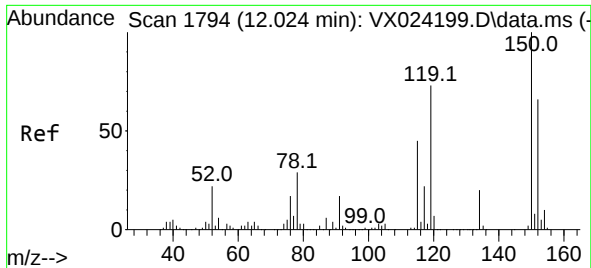
Tgt Ion: 95 Resp: 85536
Ion Ratio Lower Upper
95 100
174 83.5 0.0 154.6
176 81.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

Tgt Ion: 117 Resp: 193803
Ion Ratio Lower Upper
117 100
82 55.3 47.4 71.2
119 33.0 26.6 39.8

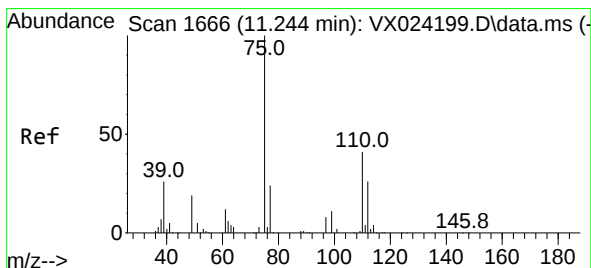
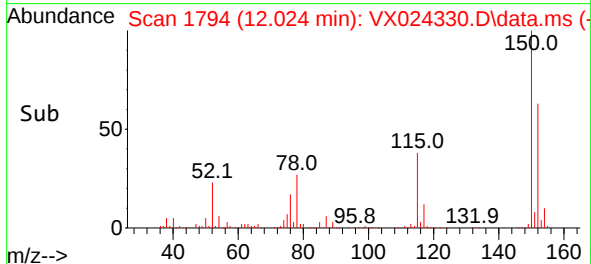
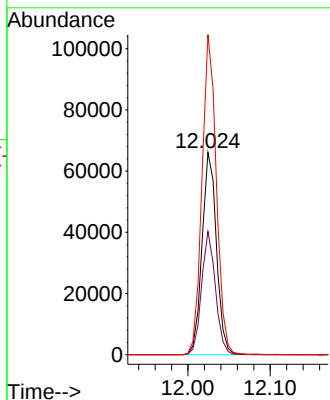
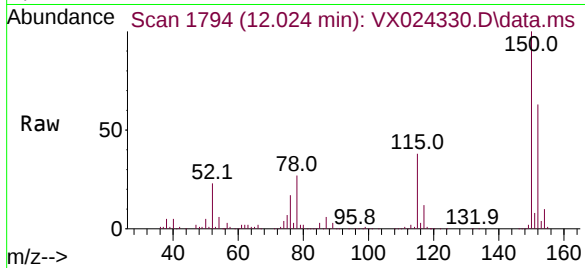




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

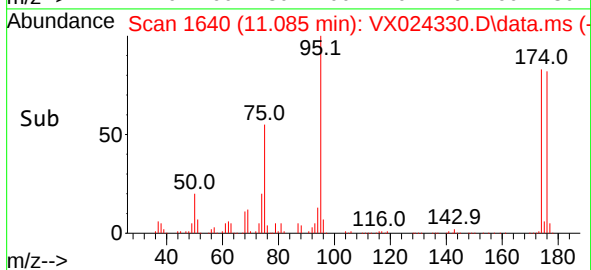
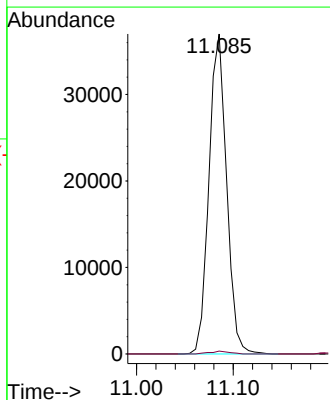
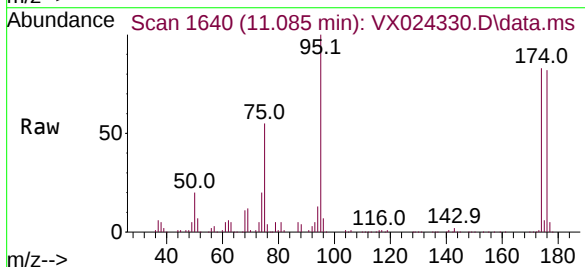
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

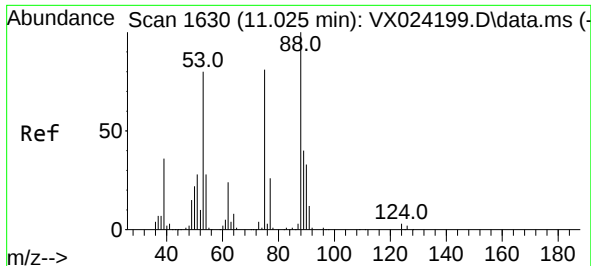
Tgt Ion:152 Resp: 80346
Ion Ratio Lower Upper
152 100
115 58.7 41.1 123.3
150 157.8 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 25.359 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

Tgt Ion: 75 Resp: 46850
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#

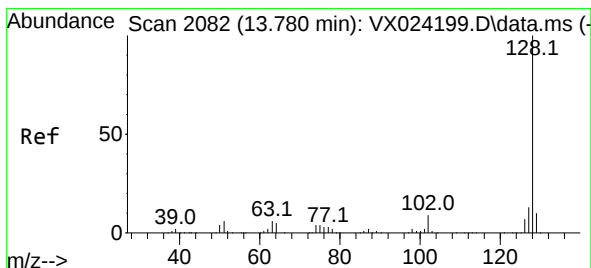
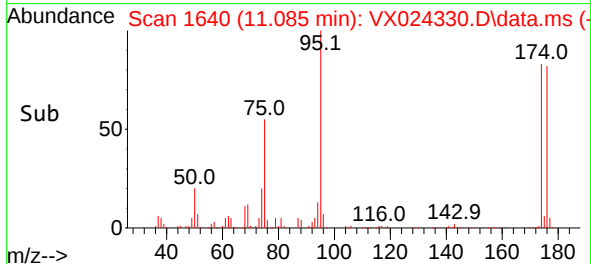
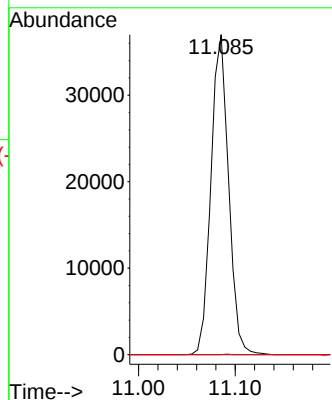
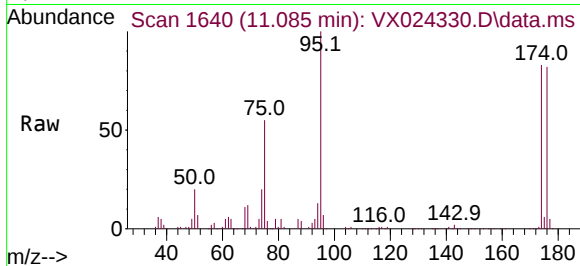




#81
trans-1,4-Dichloro-2-butene
Concen: 74.581 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

Tgt Ion: 75 Resp: 46850
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#95
Naphthalene
Concen: 1.330 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024330.D
Acq: 18 Sep 2021 00:35

Tgt Ion: 128 Resp: 255
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

