

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092121\
 Data File : VX024384.D
 Acq On : 21 Sep 2021 14:27
 Operator : JC/MD
 Sample : M3782-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20210914

Quant Time: Sep 21 15:41:01 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)

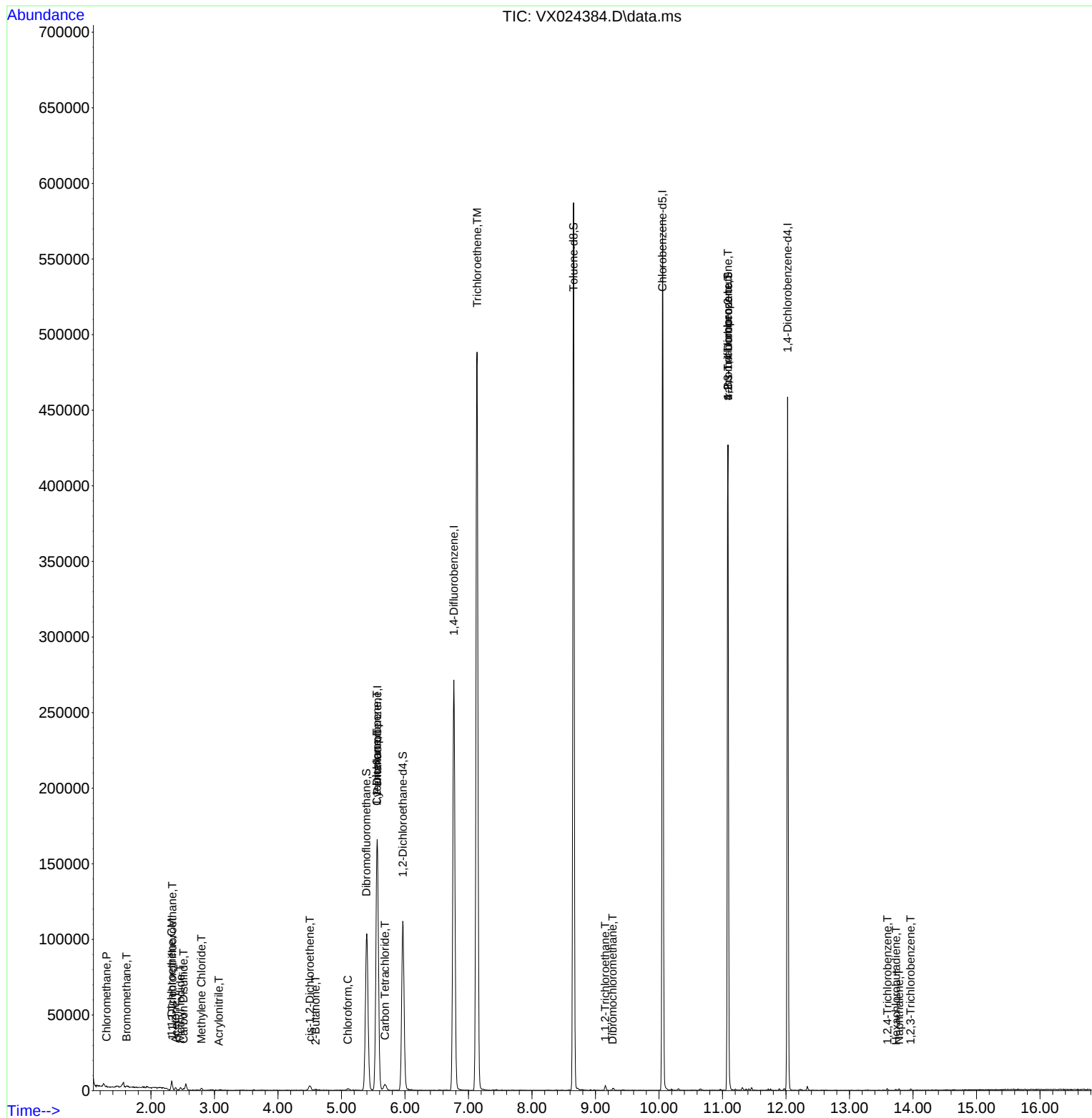
Internal Standards						
1) Pentafluorobenzene	5.562	168	155163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	272997	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	255453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	111453	50.372	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.740%			
35) Dibromofluoromethane	5.391	113	89740	49.016	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.040%			
50) Toluene-d8	8.653	98	338111	50.694	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.380%			
62) 4-Bromofluorobenzene	11.085	95	115924	44.662	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.320%			
Target Compounds						Qvalue
3) Chloromethane	1.301	50	583	0.374	ug/l	94
5) Bromomethane	1.618	94	708	0.767	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	963	0.630	ug/l	98
10) Methyl Iodide	2.465	142	1946	0.921	ug/l	96
11) Tert butyl alcohol	2.971	59	140	Below Cal	#	73
12) 1,1-Dichloroethene	2.325	96	1086	0.759	ug/l	93
15) Acrylonitrile	3.069	53	195	0.215	ug/l #	18
16) Acetone	2.386	43	1701	1.803	ug/l	92
17) Carbon Disulfide	2.514	76	1046	0.292	ug/l #	75
20) Methylene Chloride	2.794	84	653	0.360	ug/l #	90
25) 2-Butanone	4.593	43	356	0.256	ug/l #	45
27) cis-1,2-Dichloroethene	4.501	96	1925	1.064	ug/l	98
30) Chloroform	5.099	83	1346	0.422	ug/l	97
31) Cyclohexane	5.556	56	3094	1.195	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	12374	4.930	ug/l #	50
38) Carbon Tetrachloride	5.684	117	3747	1.326	ug/l #	88
44) Trichloroethene	7.135	130	189055	93.469	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	876	0.436	ug/l #	82
60) Dibromochloromethane	9.269	129	91	1.765	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	59991	28.766	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	59991	84.602	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.597	180	357	0.203	ug/l	96
94) Hexachlorobutadiene	13.731	225	186	0.212	ug/l	79
95) Naphthalene	13.780	128	750	1.400	ug/l #	79
96) 1,2,3-Trichlorobenzene	13.963	180	430	0.243	ug/l	93

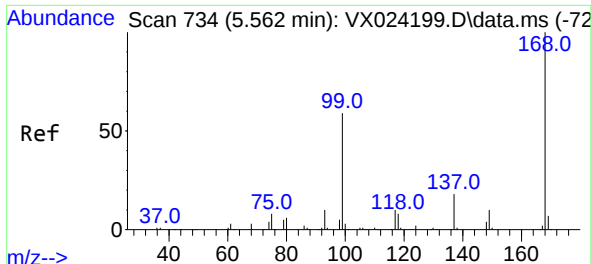
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

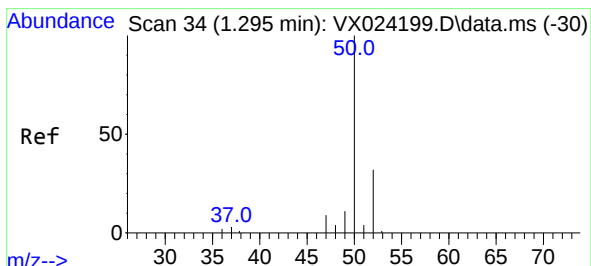
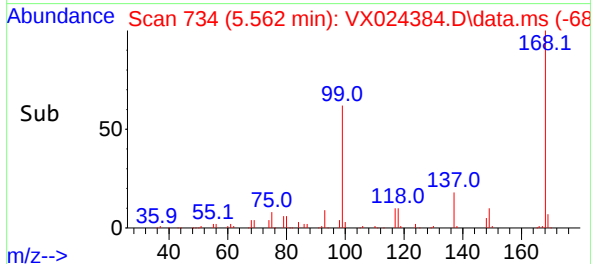
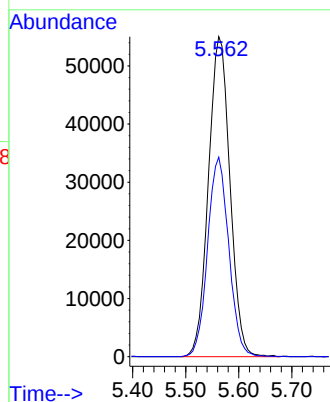
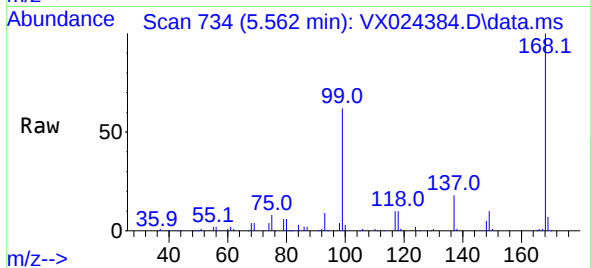




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

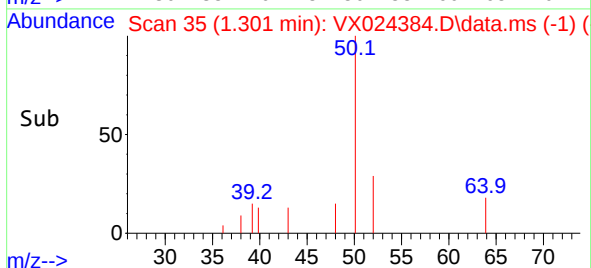
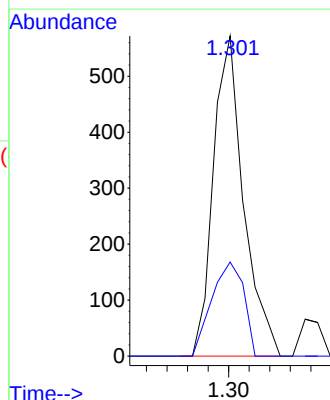
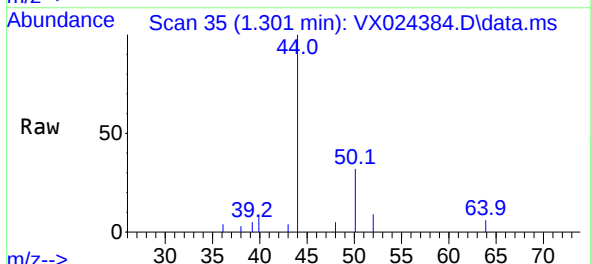
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210914

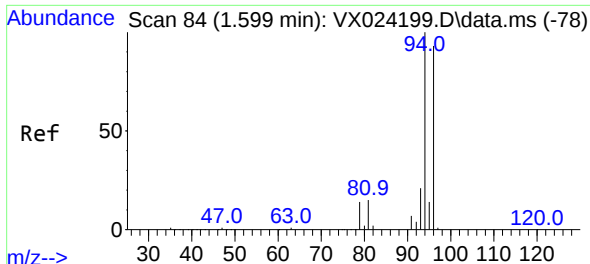
Tgt Ion:168 Resp: 155163
Ion Ratio Lower Upper
168 100
99 62.3 45.8 68.6



#3
Chloromethane
Concen: 0.374 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

Tgt Ion: 50 Resp: 583
Ion Ratio Lower Upper
50 100
52 29.4 26.4 39.6

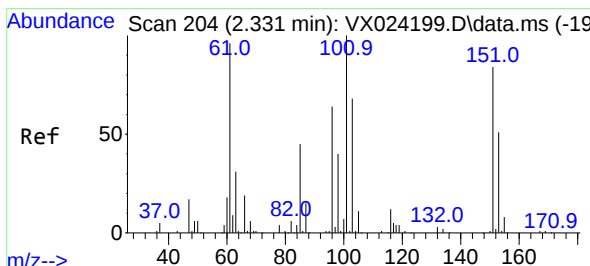
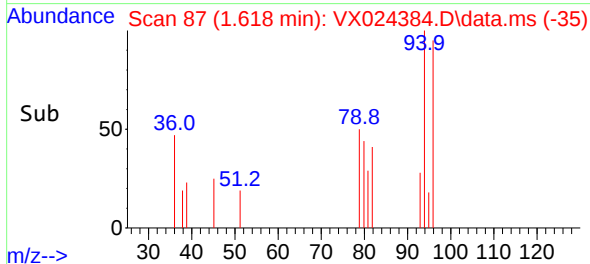
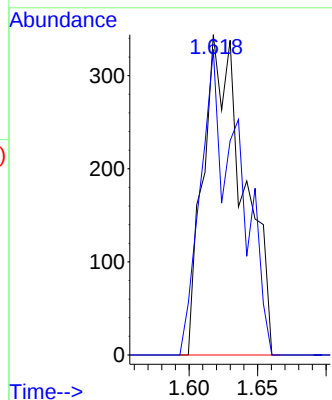
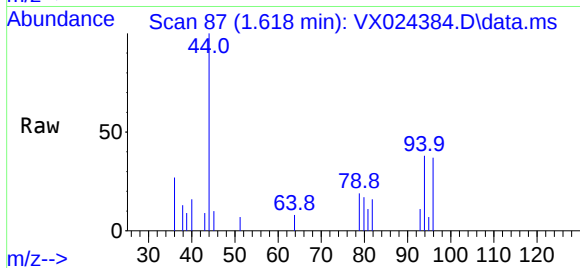




#5
Bromomethane
Concen: 0.767 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

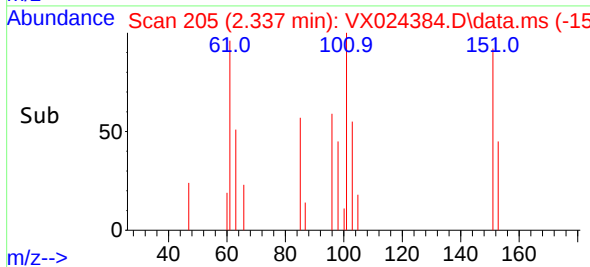
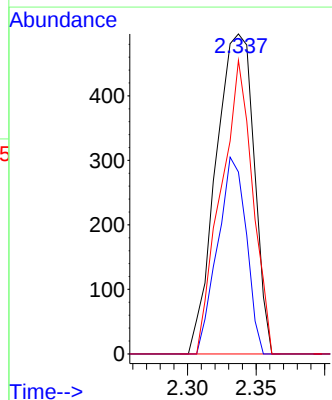
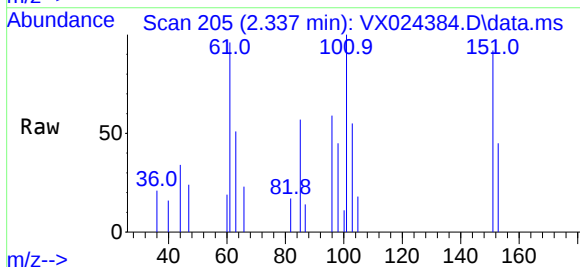
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210914

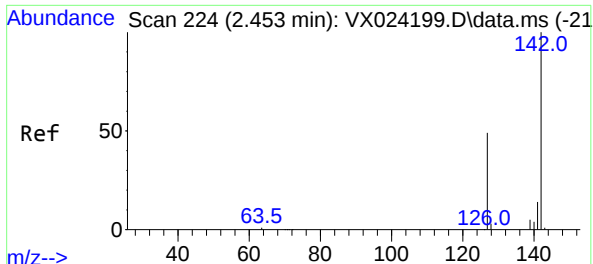
Tgt Ion: 94 Resp: 708
Ion Ratio Lower Upper
94 100
96 95.3 76.4 114.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.630 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

Tgt Ion: 101 Resp: 963
Ion Ratio Lower Upper
101 100
85 46.1 34.9 52.3
151 76.2 61.4 92.2

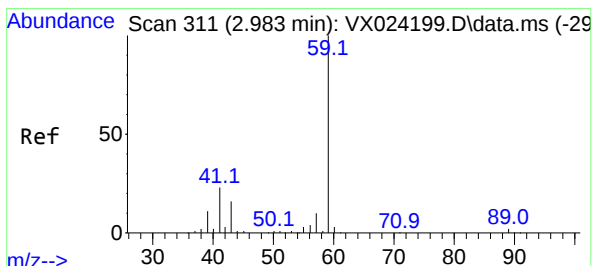
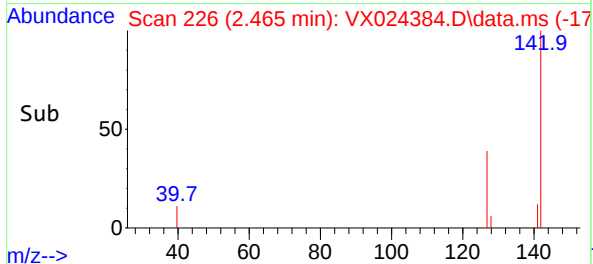
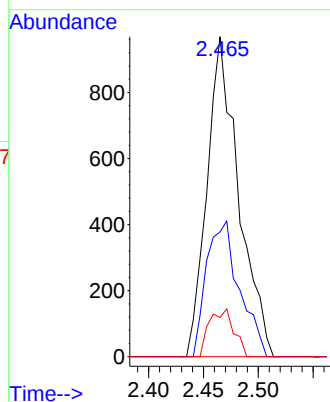
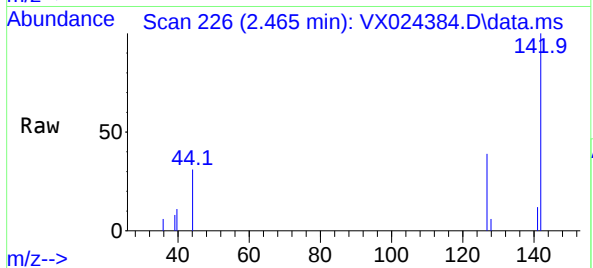




#10
Methyl Iodide
Concen: 0.921 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

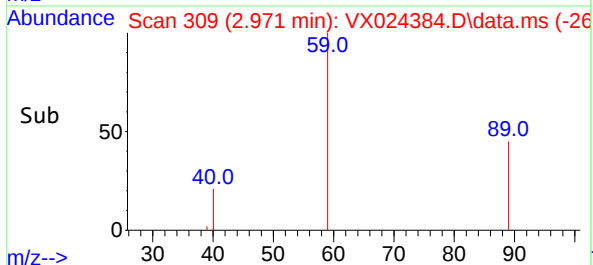
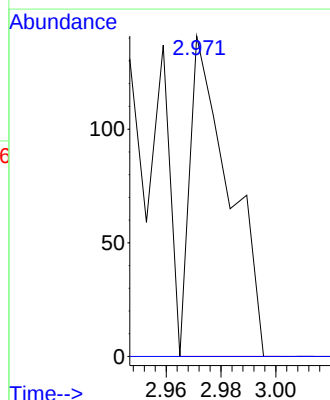
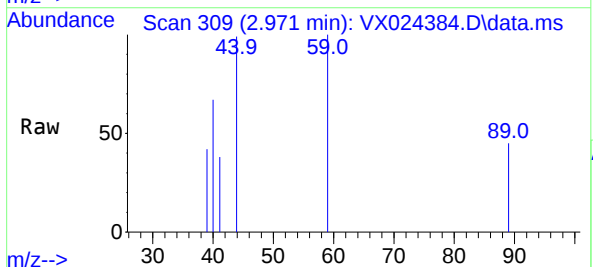
Instrument :
MSVOA_X
ClientSampleId :
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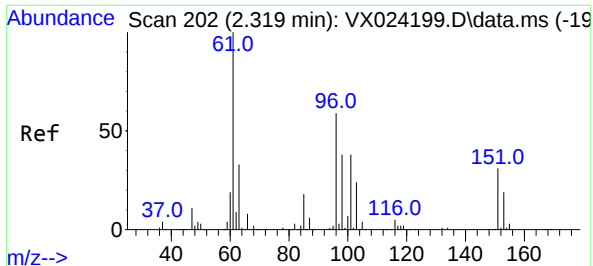
Tgt Ion:142 Resp: 1946
Ion Ratio Lower Upper
142 100
127 43.8 33.3 49.9
141 11.6 11.4 17.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

Tgt Ion: 59 Resp: 140
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.759 ug/l

RT: 2.325 min Scan# 203

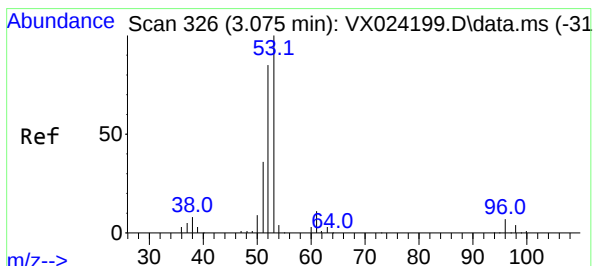
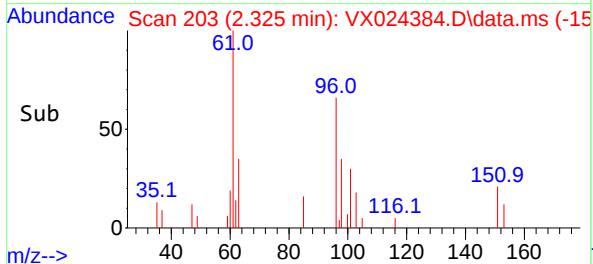
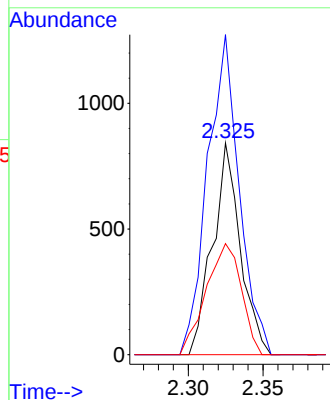
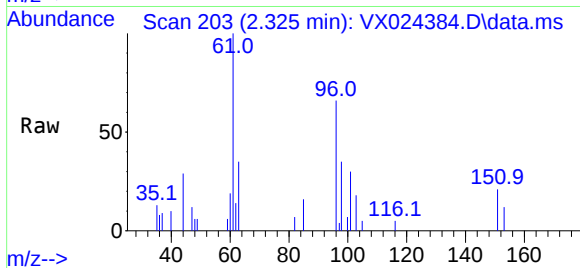
Delta R.T. 0.006 min

Lab File: VX024384.D

Acq: 21 Sep 2021 14:27

Tgt Ion: 96 Resp: 1086

Ion	Ratio	Lower	Upper
96	100		
61	151.2	124.6	187.0
98	52.5	50.6	76.0



#15

Acrylonitrile

Concen: 0.215 ug/l

RT: 3.069 min Scan# 325

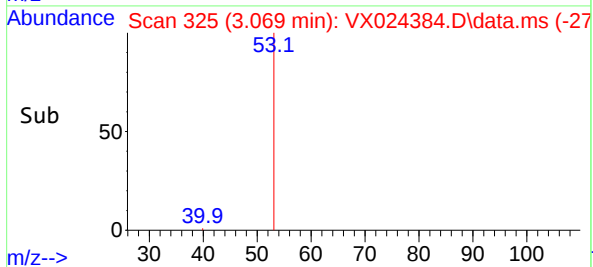
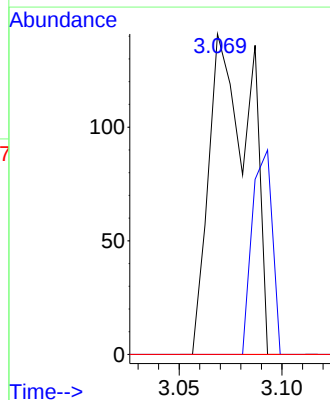
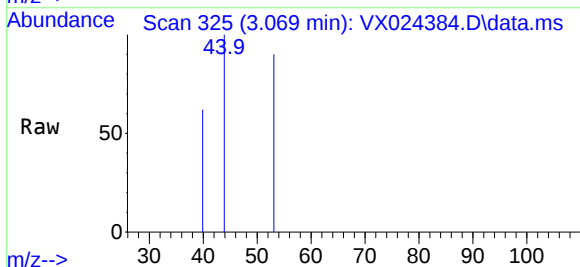
Delta R.T. -0.006 min

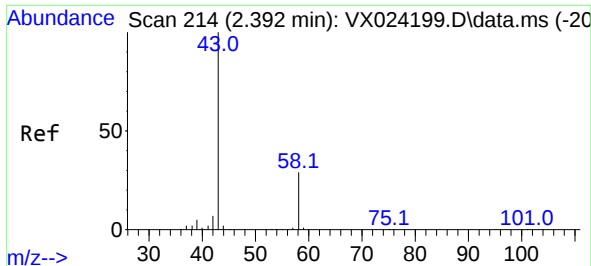
Lab File: VX024384.D

Acq: 21 Sep 2021 14:27

Tgt Ion: 53 Resp: 195

Ion	Ratio	Lower	Upper
53	100		
52	0.0	65.3	97.9#
51	0.0	28.2	42.2#

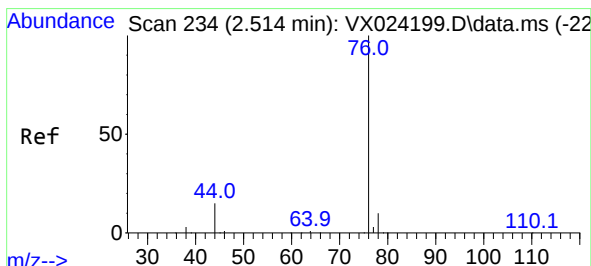
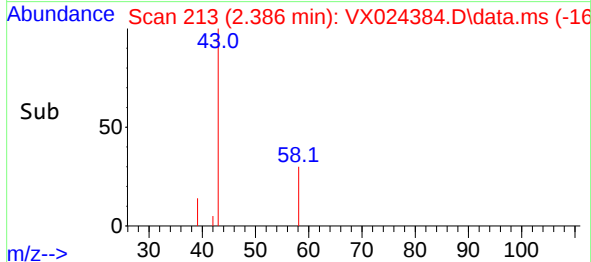
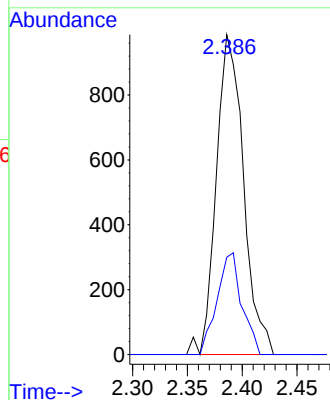
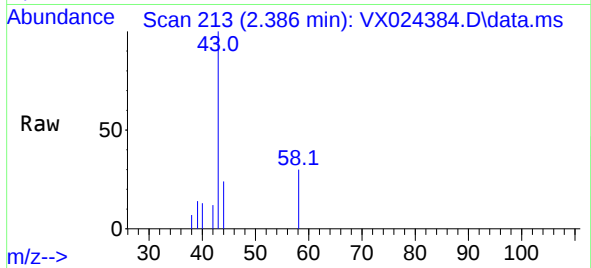




#16
Acetone
Concen: 1.803 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

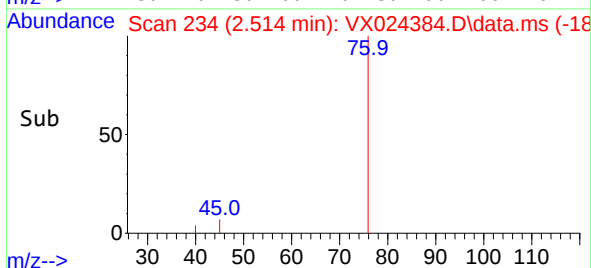
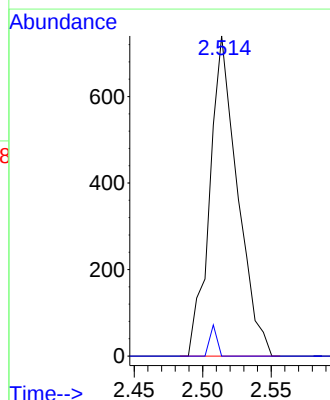
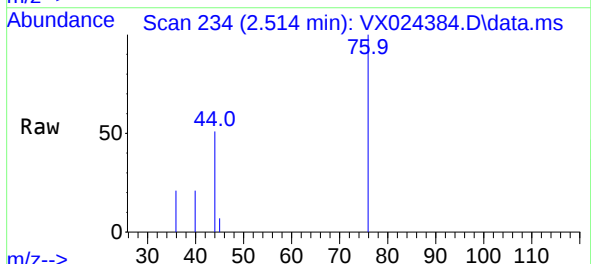
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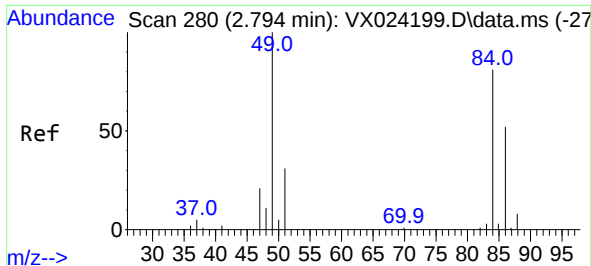
Tgt Ion: 43 Resp: 1701
Ion Ratio Lower Upper
43 100
58 30.4 27.8 41.8



#17
Carbon Disulfide
Concen: 0.292 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

Tgt Ion: 76 Resp: 1046
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 0.360 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX024384.D

Acq: 21 Sep 2021 14:27

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20210914

Tgt Ion: 84 Resp: 653

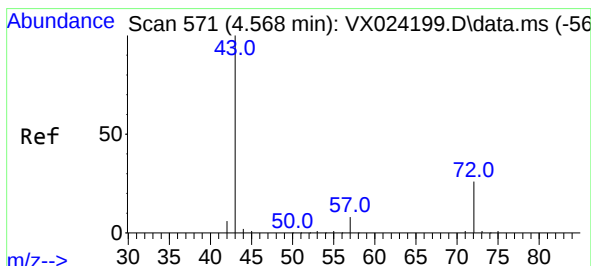
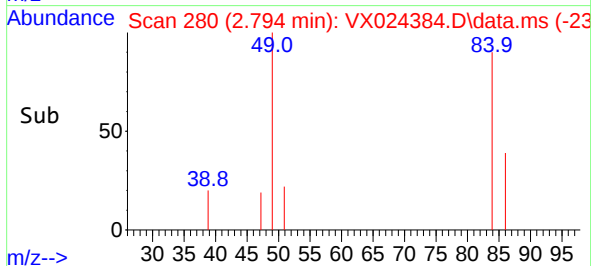
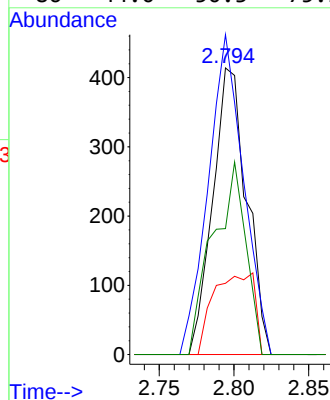
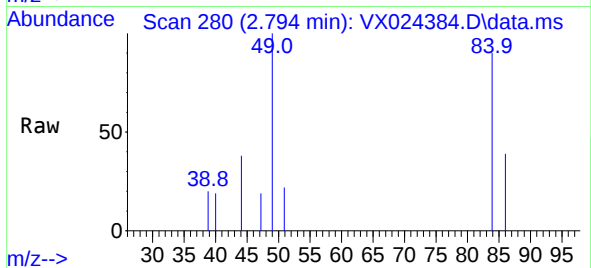
Ion Ratio Lower Upper

84 100

49 111.6 88.6 132.8

51 24.9 27.0 40.6#

86 44.0 50.3 75.5#



#25

2-Butanone

Concen: 0.256 ug/l

RT: 4.593 min Scan# 575

Delta R.T. 0.025 min

Lab File: VX024384.D

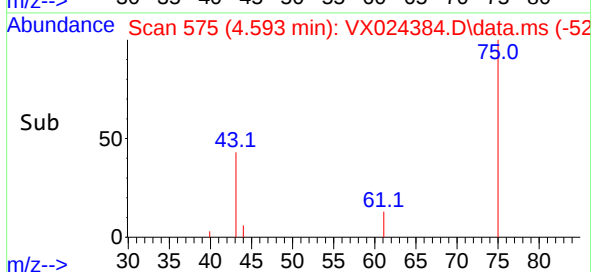
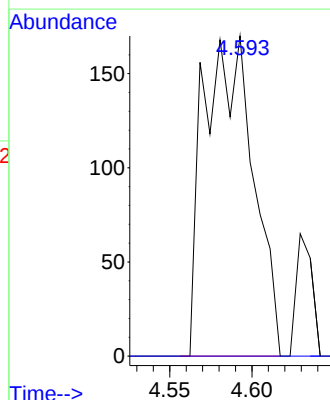
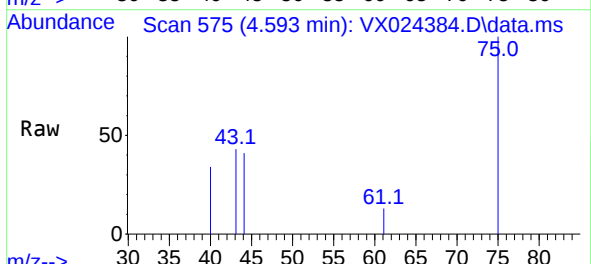
Acq: 21 Sep 2021 14:27

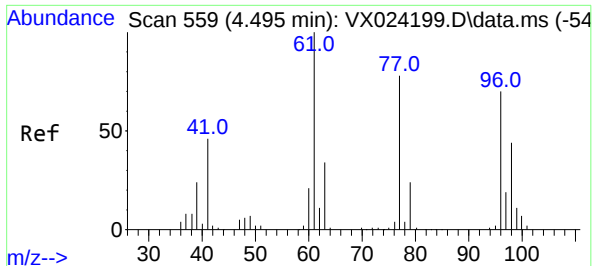
Tgt Ion: 43 Resp: 356

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#

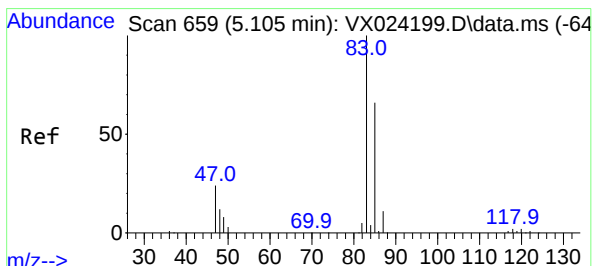
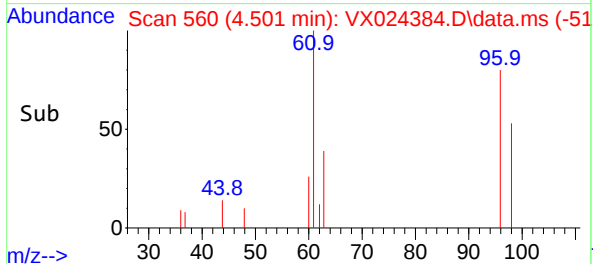
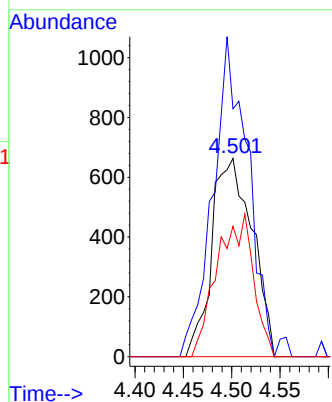
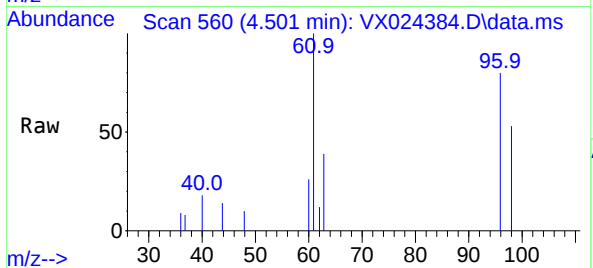




#27
cis-1,2-Dichloroethene
Concen: 1.064 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

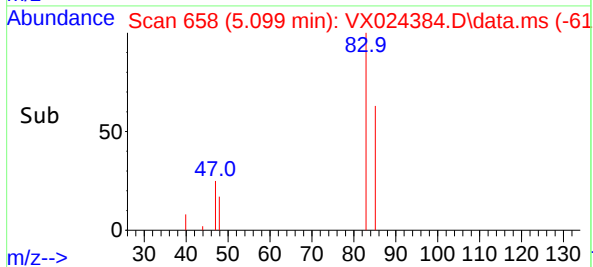
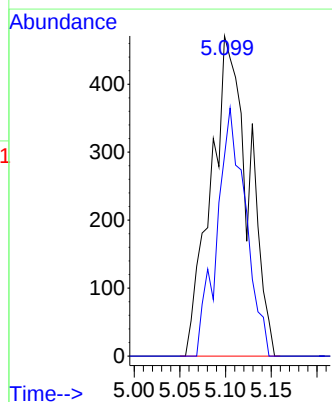
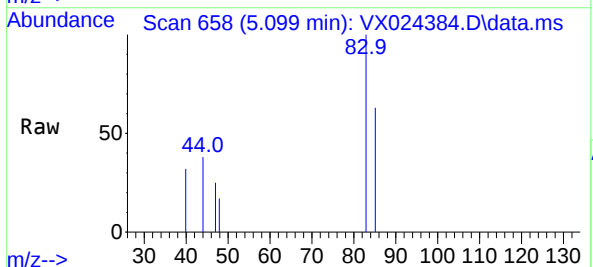
Instrument :
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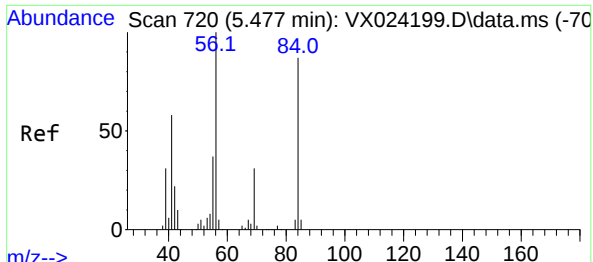
Tgt Ion: 96 Resp: 1925
Ion Ratio Lower Upper
96 100
61 139.1 0.0 285.6
98 64.6 0.0 129.6



#30
Chloroform
Concen: 0.422 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.006 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

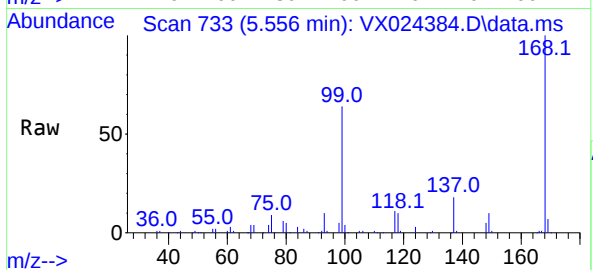
Tgt Ion: 83 Resp: 1346
Ion Ratio Lower Upper
83 100
85 62.6 52.0 78.0



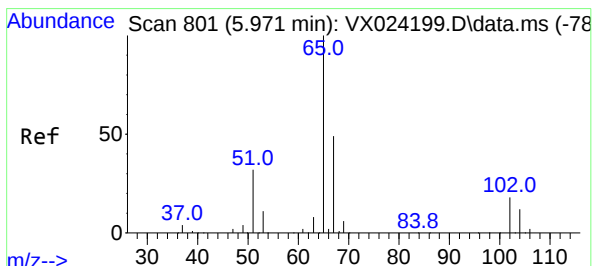
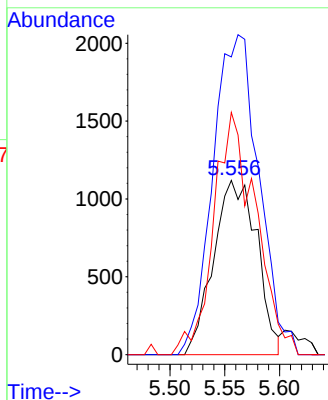
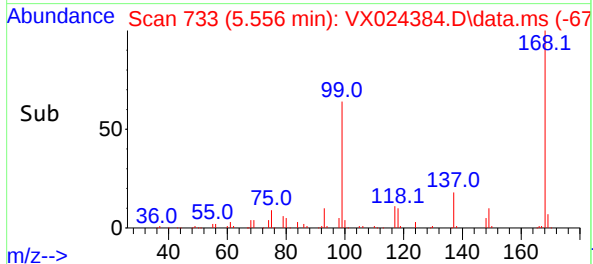


#31
Cyclohexane
Concen: 1.195 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

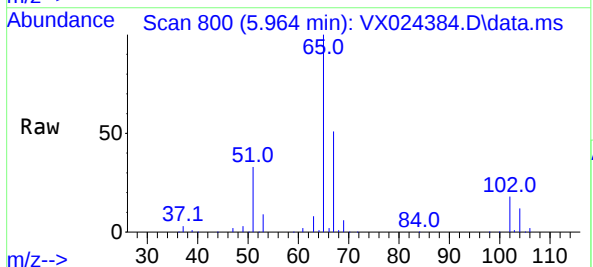
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210914



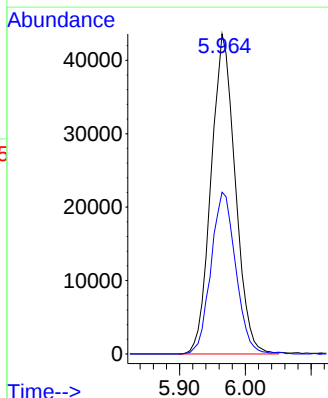
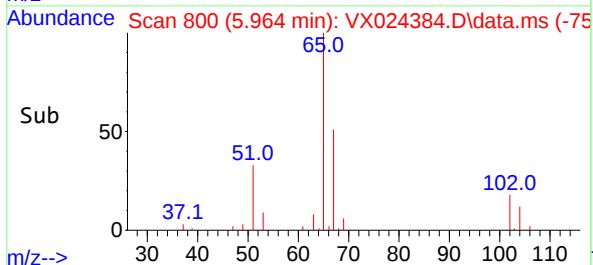
Tgt Ion: 56 Resp: 3094
Ion Ratio Lower Upper
56 100
69 170.9 25.3 37.9#
84 133.6 71.4 107.0#

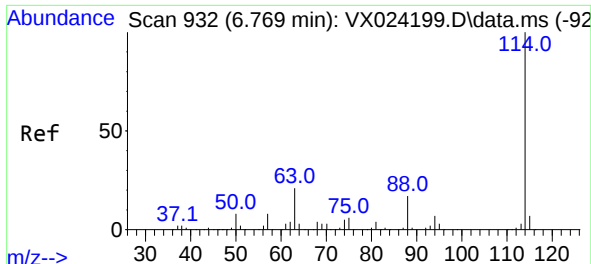


#33
1,2-Dichloroethane-d4
Concen: 50.372 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27



Tgt Ion: 65 Resp: 111453
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.4

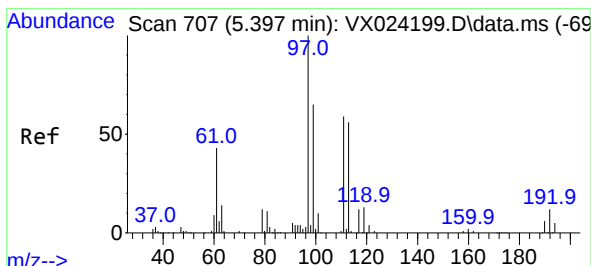
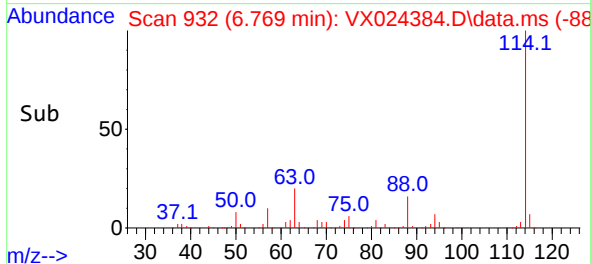
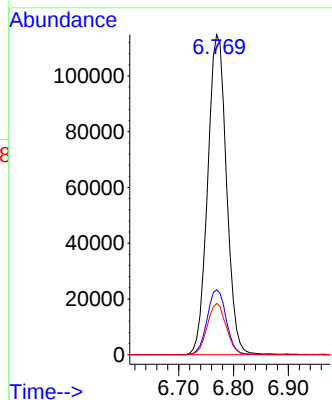
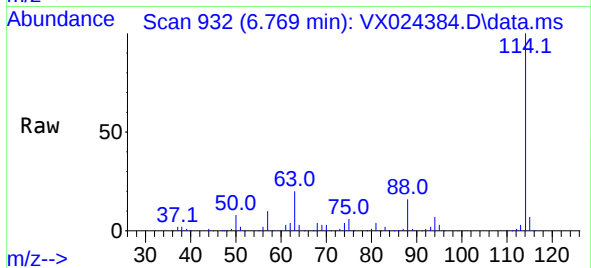




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

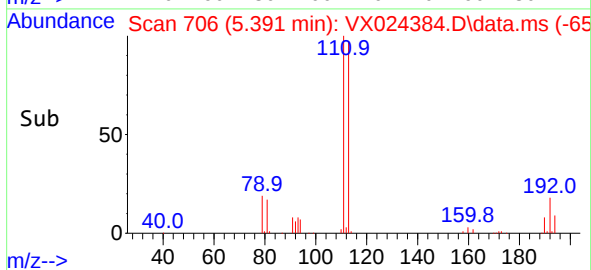
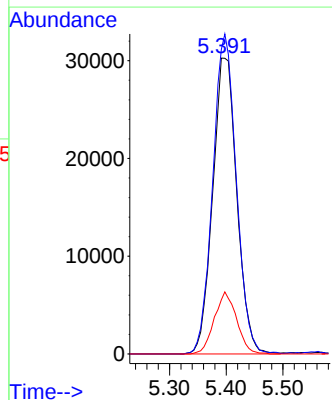
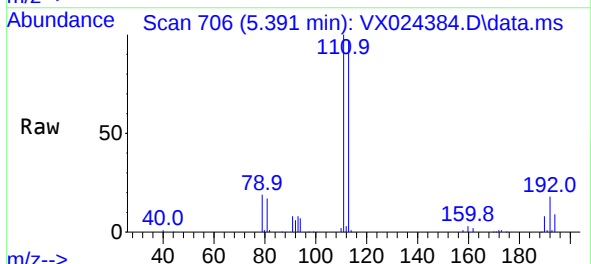
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210914

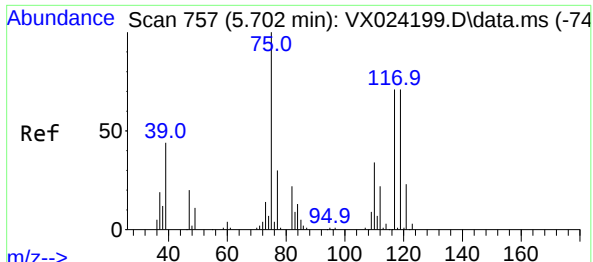
Tgt Ion:114 Resp: 272997
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 16.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.016 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

Tgt Ion:113 Resp: 89740
Ion Ratio Lower Upper
113 100
111 105.0 81.9 122.9
192 19.3 16.7 25.1

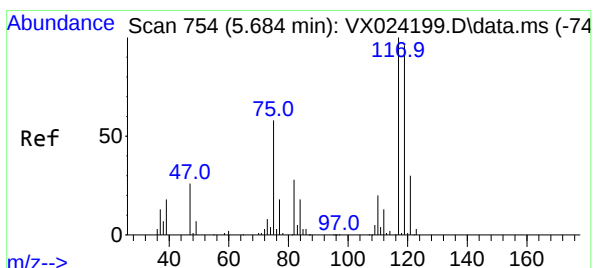
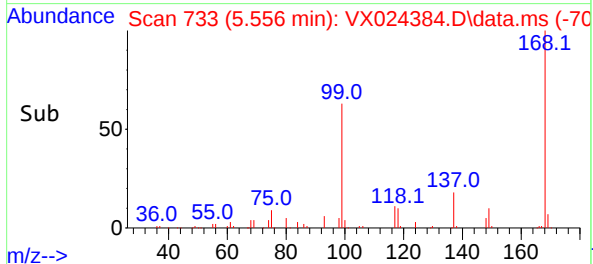
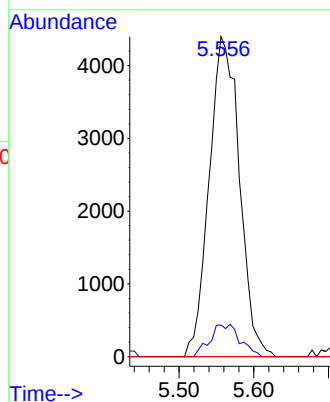
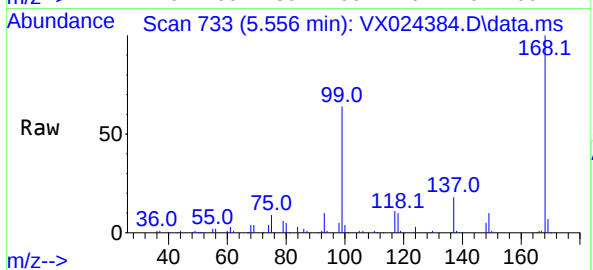




#36
1,1-Dichloropropene
Concen: 4.930 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

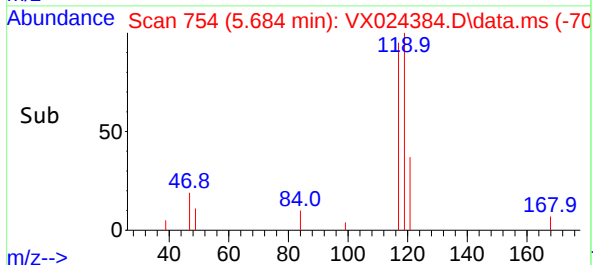
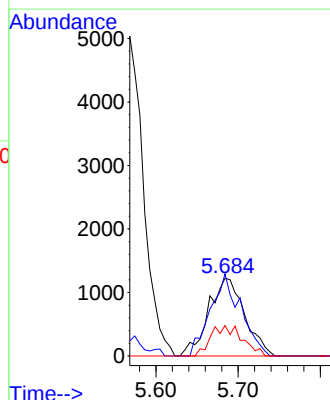
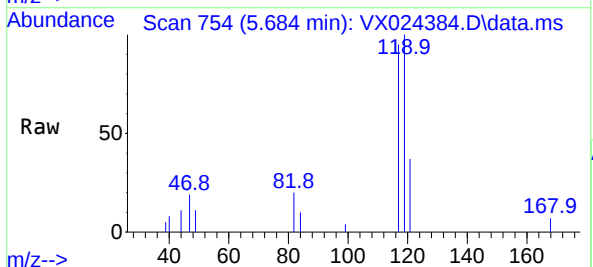
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210914

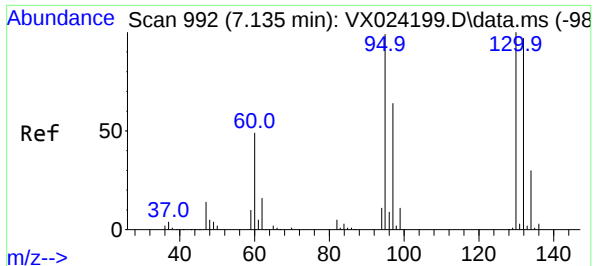
Tgt Ion: 75 Resp: 12374
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 1.326 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

Tgt Ion: 117 Resp: 3747
Ion Ratio Lower Upper
117 100
119 105.6 76.2 114.2
121 39.1 24.8 37.2#

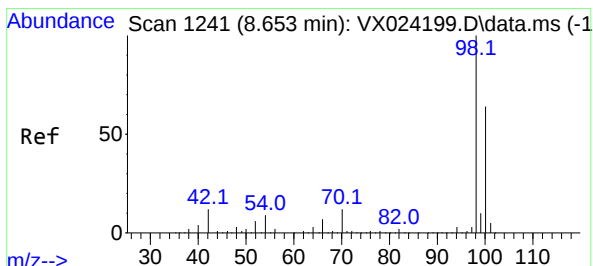
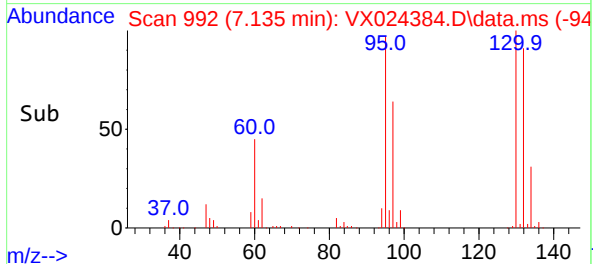
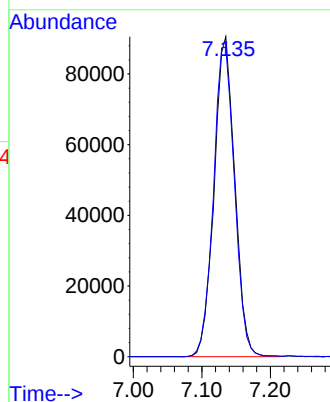
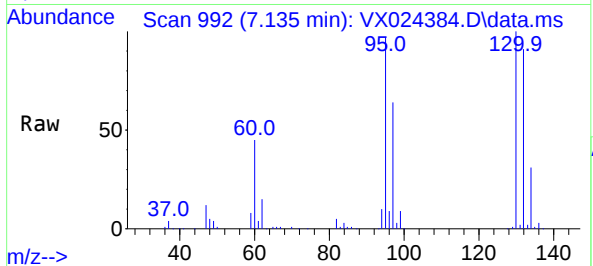




#44
Trichloroethene
Concen: 93.469 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

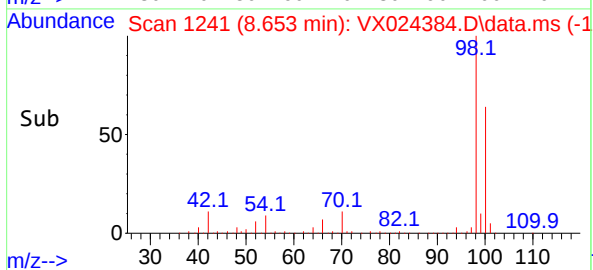
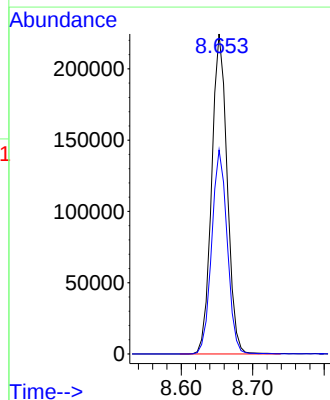
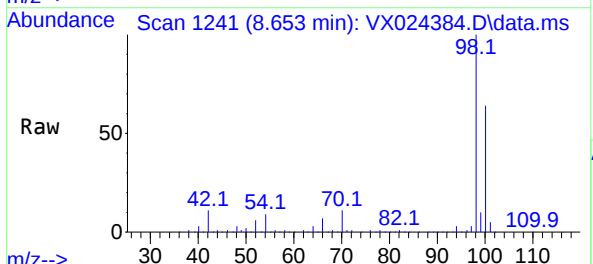
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210914

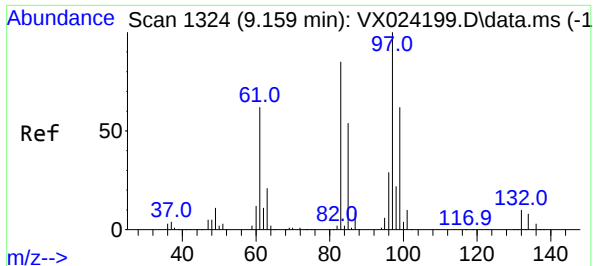
Tgt Ion:130 Resp: 189055
Ion Ratio Lower Upper
130 100
95 96.7 0.0 198.0



#50
Toluene-d8
Concen: 50.694 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

Tgt Ion: 98 Resp: 338111
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9



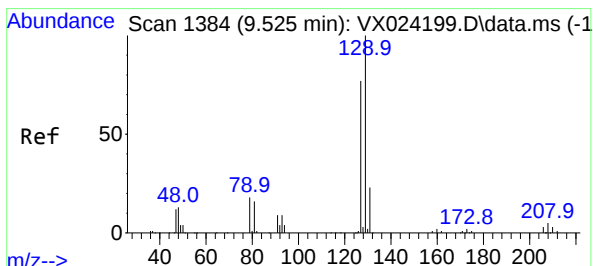
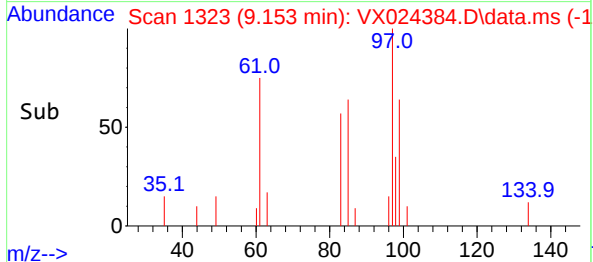
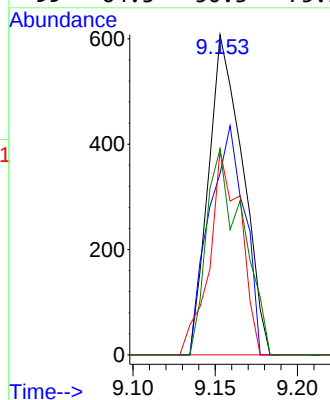
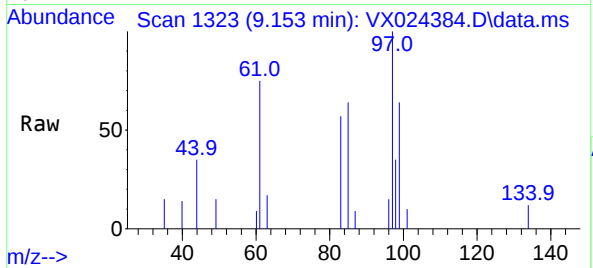


#55
1,1,2-Trichloroethane
Concen: 0.436 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.006 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210914

Tgt Ion: 97 Resp: 876

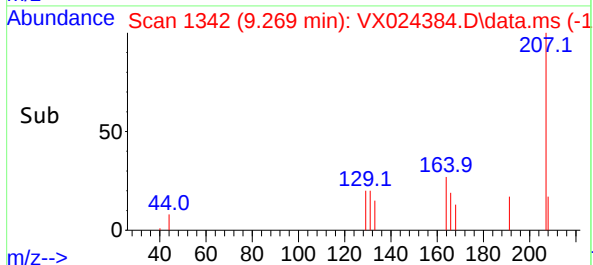
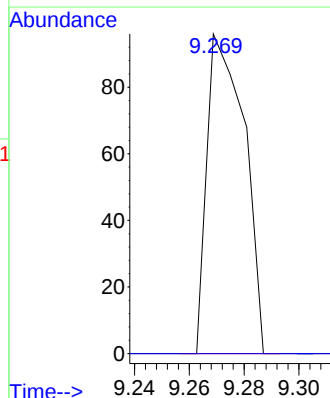
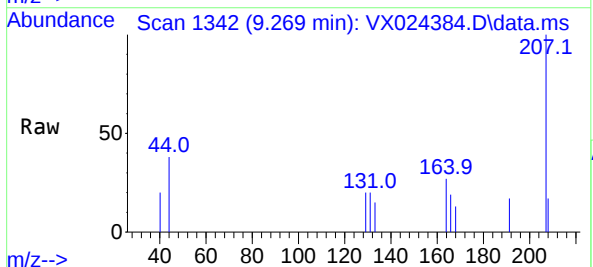
Ion	Ratio	Lower	Upper
97	100		
83	56.6	69.3	103.9#
85	64.0	44.3	66.5
99	64.3	50.3	75.5

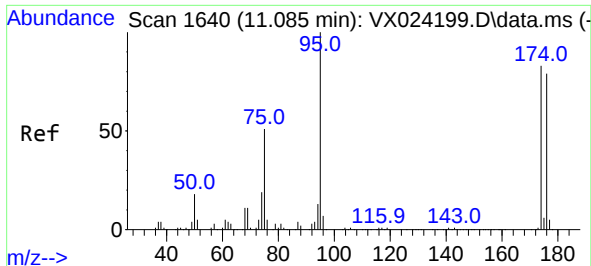


#60
Dibromochloromethane
Concen: 1.765 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.256 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

Tgt Ion: 129 Resp: 91

Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#

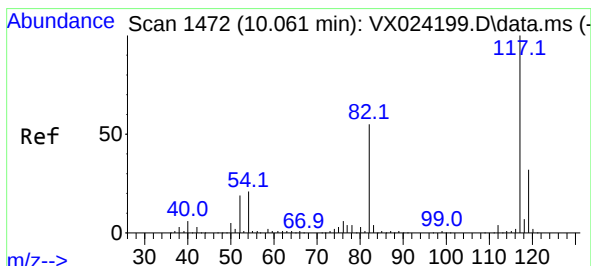
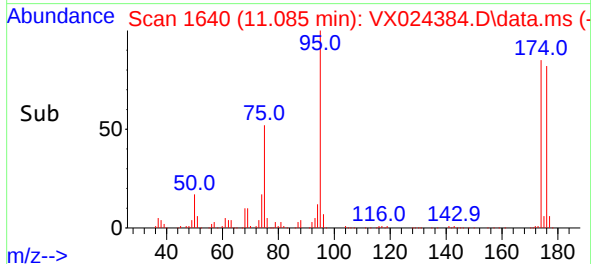
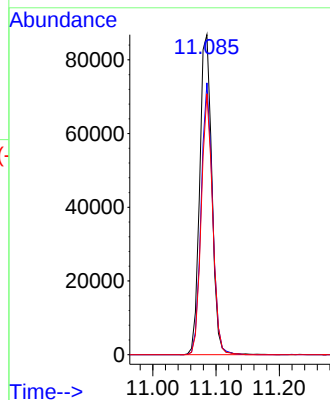
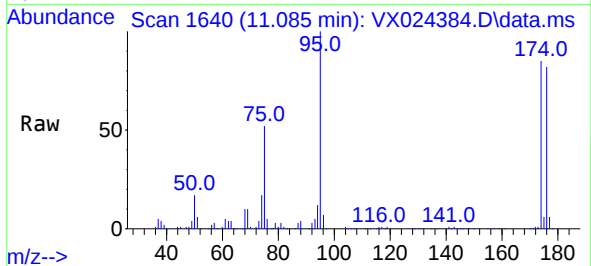




#62
4-Bromofluorobenzene
Concen: 44.662 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

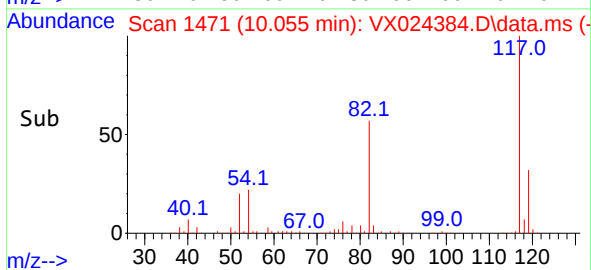
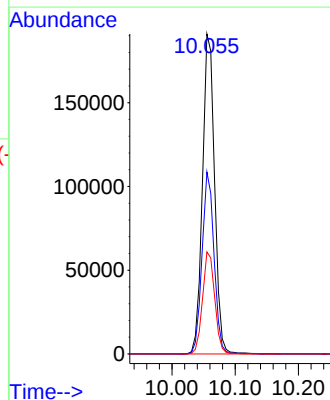
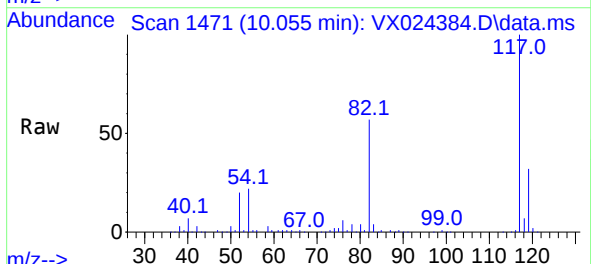
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210914

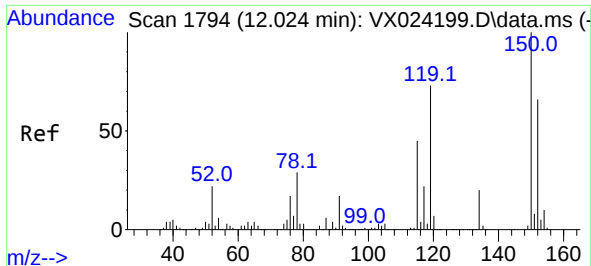
Tgt Ion: 95 Resp: 115924
Ion Ratio Lower Upper
95 100
174 80.0 0.0 154.6
176 76.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

Tgt Ion: 117 Resp: 255453
Ion Ratio Lower Upper
117 100
82 56.8 47.4 71.2
119 31.9 26.6 39.8

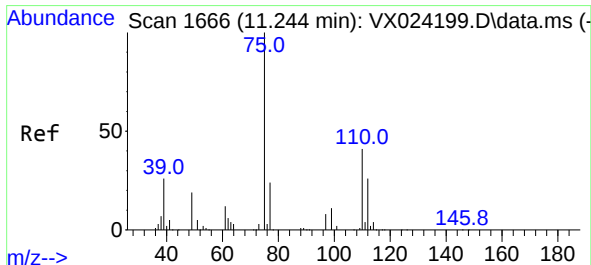
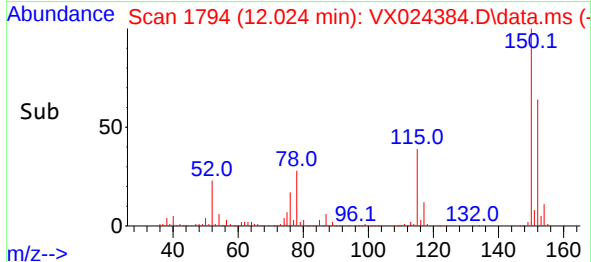
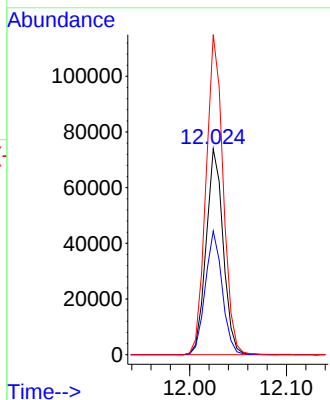
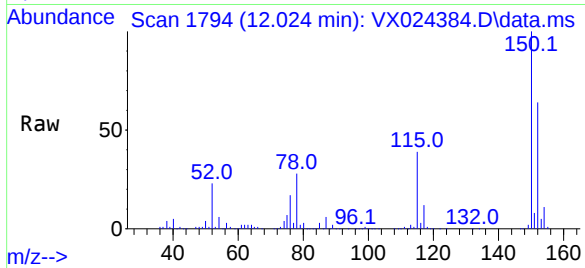




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

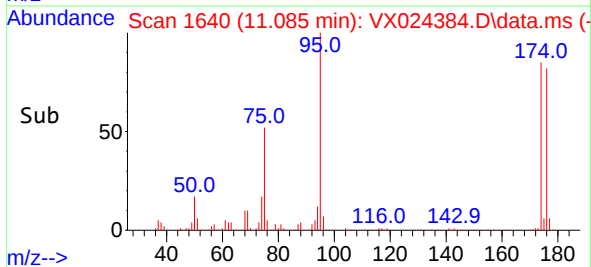
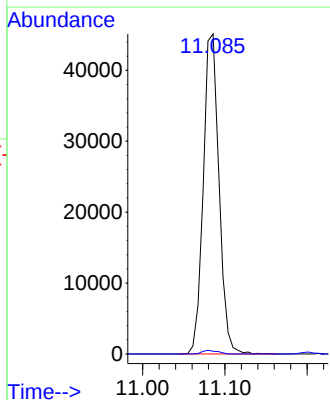
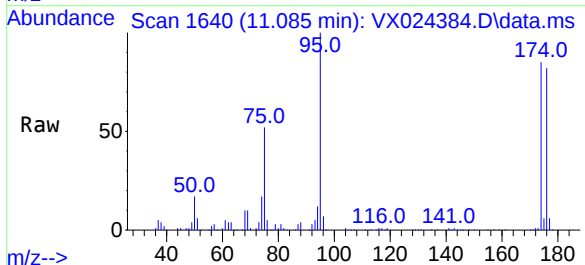
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210914

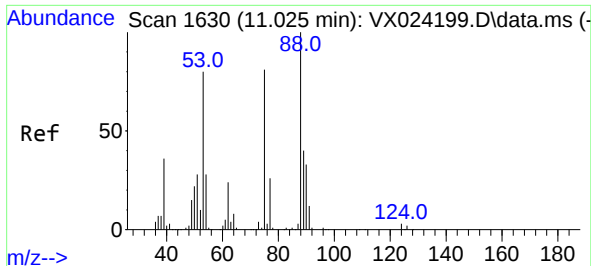
Tgt Ion:152 Resp: 90696
Ion Ratio Lower Upper
152 100
115 59.7 41.1 123.3
150 156.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 28.766 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

Tgt Ion: 75 Resp: 59991
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#

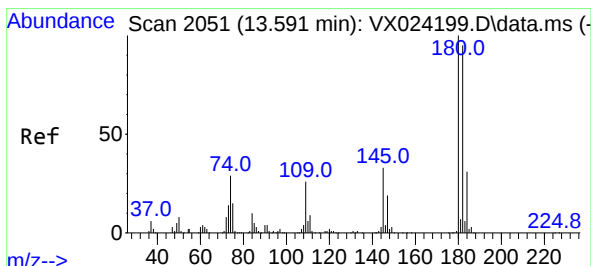
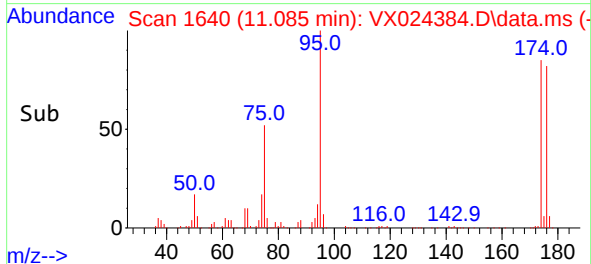
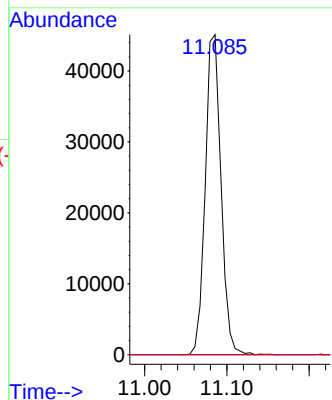
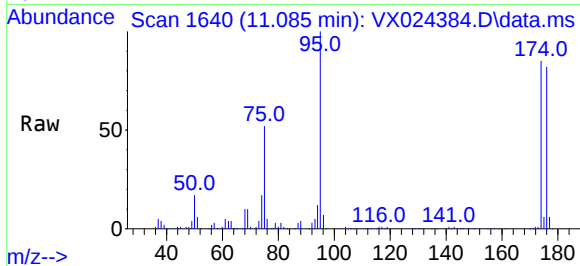




#81
trans-1,4-Dichloro-2-butene
Concen: 84.602 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

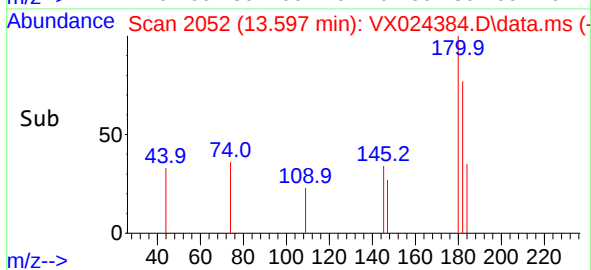
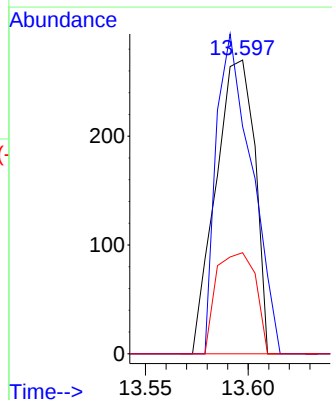
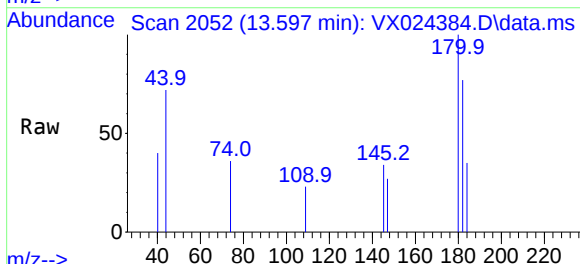
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210914

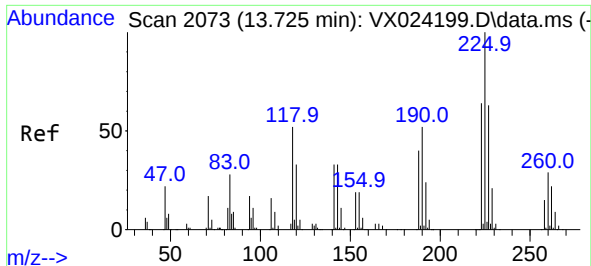
Tgt Ion: 75 Resp: 59991
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.203 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.006 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

Tgt Ion:180 Resp: 357
Ion Ratio Lower Upper
180 100
182 98.3 47.7 143.1
145 34.5 15.0 45.0

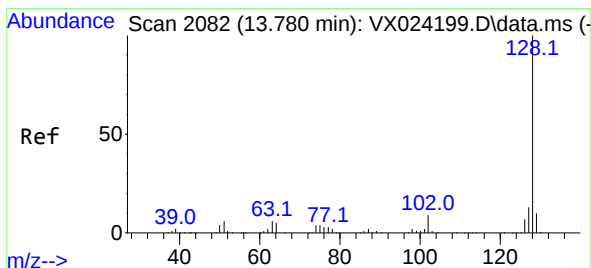
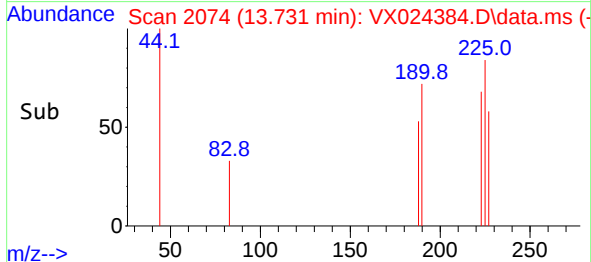
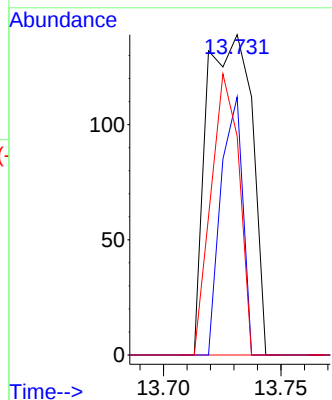
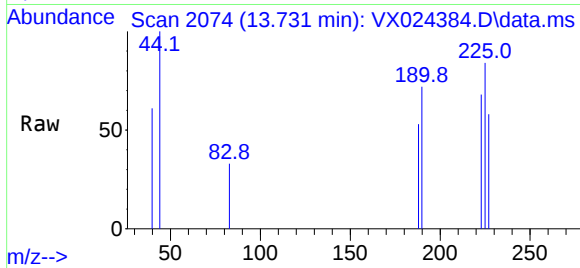




#94
Hexachlorobutadiene
Concen: 0.212 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

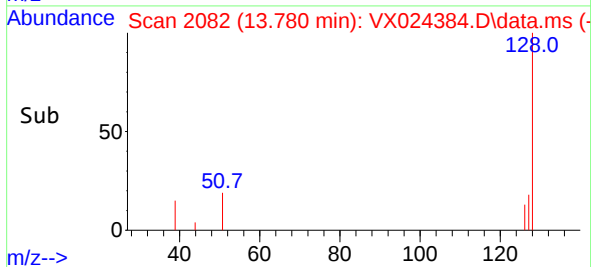
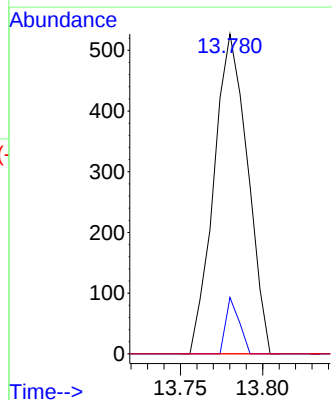
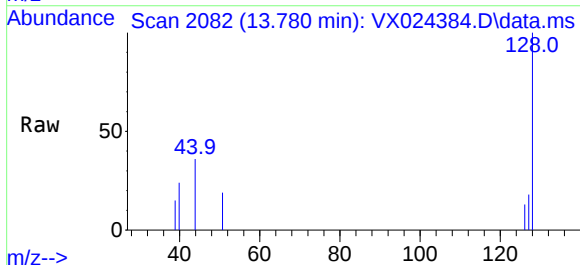
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210914

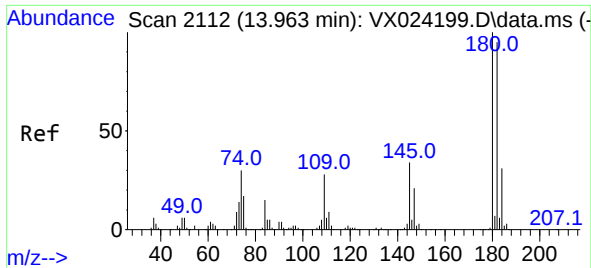
Tgt Ion:	225	Resp:	186
Ion	Ratio	Lower	Upper
225	100		
223	38.7	31.1	93.2
227	54.3	31.6	95.0



#95
Naphthalene
Concen: 1.400 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024384.D
Acq: 21 Sep 2021 14:27

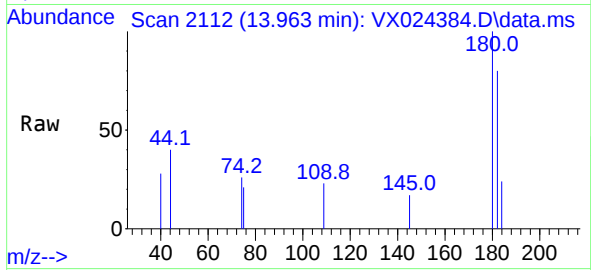
Tgt Ion:	128	Resp:	750
Ion	Ratio	Lower	Upper
128	100		
127	6.9	10.3	15.5#
129	0.0	8.8	13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.243 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX024384.D
 Acq: 21 Sep 2021 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20210914



Tgt Ion:180 Resp: 430

Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.6	142.9
145	22.8	16.1	48.3

