

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082622\
 Data File : VX030824.D
 Acq On : 26 Aug 2022 15:03
 Operator : JC/MD
 Sample : N4245-07DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20220816DL

Quant Time: Aug 27 02:39:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

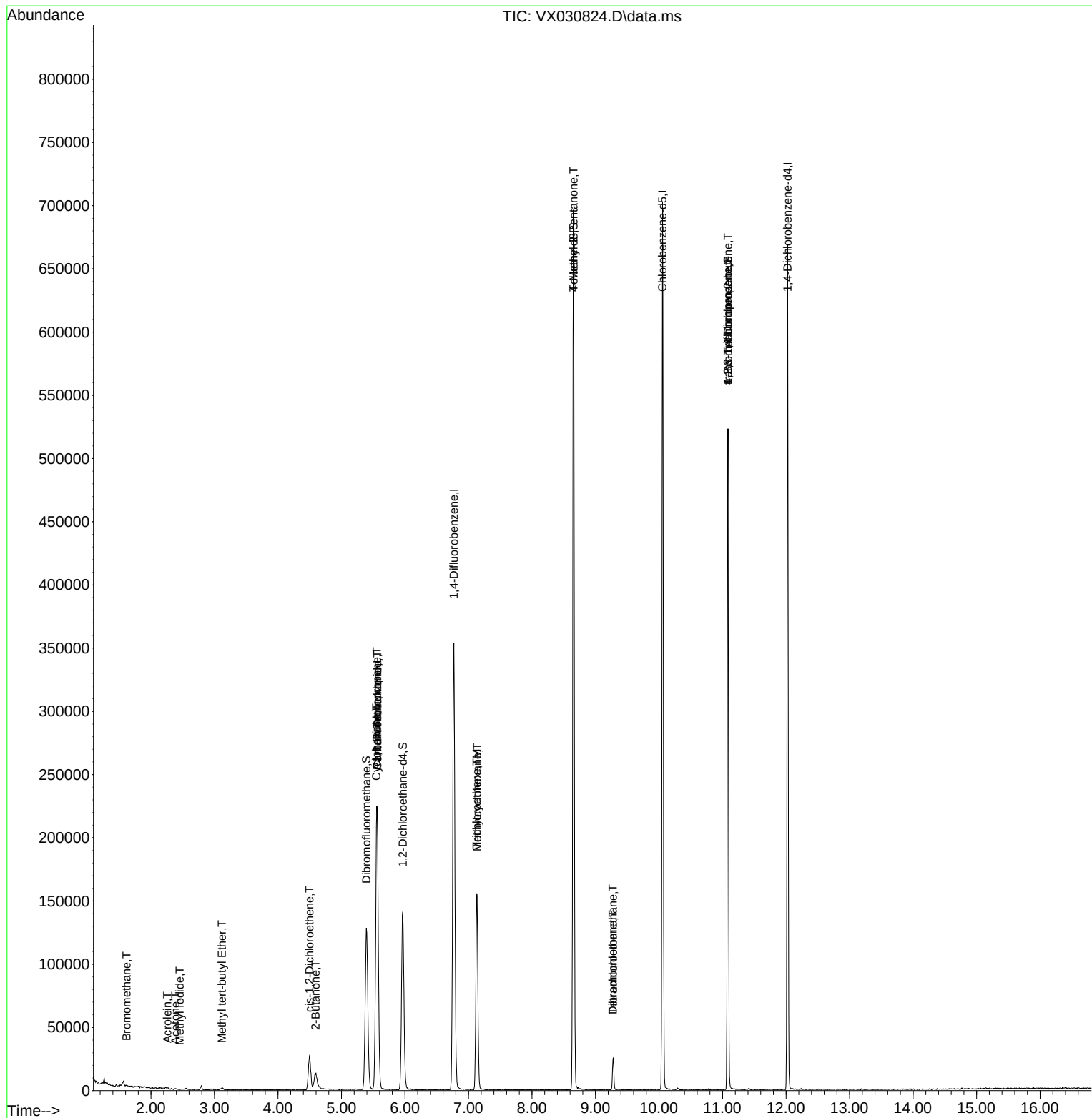
Internal Standards						
1) Pentafluorobenzene	5.562	168	220849	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	366732	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	320138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	132173	50.879	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.760%			
35) Dibromofluoromethane	5.391	113	115763	51.362	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.720%			
50) Toluene-d8	8.653	98	423705	53.948	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.900%			
62) 4-Bromofluorobenzene	11.085	95	141042	48.235	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.480%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	313	Below Cal	#	42
4) Vinyl Chloride	1.374	62	19	Below Cal	#	43
5) Bromomethane	1.618	94	277	0.269	ug/l #	67
6) Chloroethane	1.685	64	124	Below Cal	#	41
10) Methyl Iodide	2.453	142	56	4.058	ug/l #	45
13) Acrolein	2.258	56	109	10.262	ug/l	89
16) Acetone	2.386	43	1128	0.940	ug/l #	71
17) Carbon Disulfide	2.514	76	326	Below Cal	#	74
19) Methyl tert-butyl Ether	3.117	73	1789	0.258	ug/l	96
20) Methylene Chloride	2.788	84	1297	Below Cal	#	78
25) 2-Butanone	4.593	43	1188	0.614	ug/l #	48
27) cis-1,2-Dichloroethene	4.495	96	16983	6.392	ug/l	94
31) Cyclohexane	5.550	56	4523	1.362	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	17643	5.748	ug/l #	48
38) Carbon Tetrachloride	5.562	117	21528	6.650	ug/l #	17
39) Methylcyclohexane	7.135	83	896	0.244	ug/l #	1
44) Trichloroethene	7.129	130	62442	23.538	ug/l	90
51) 4-Methyl-2-Pentanone	8.653	43	1686	0.457	ug/l #	1
60) Dibromochloromethane	9.275	129	4829	1.818	ug/l #	11
64) Tetrachloroethene	9.275	164	4808	1.907	ug/l	91
76) 1,2,3-Trichloropropane	11.085	75	67527	23.328	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	67527	75.267	ug/l #	12

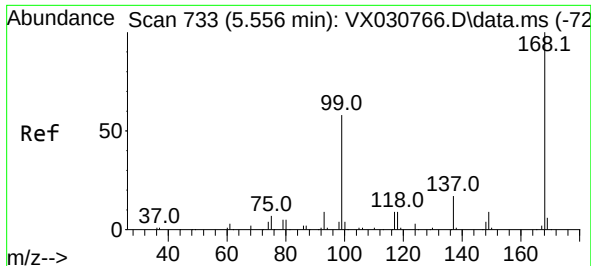
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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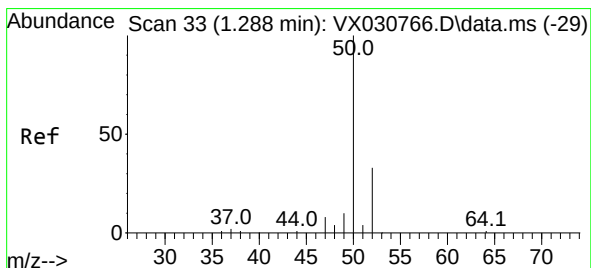
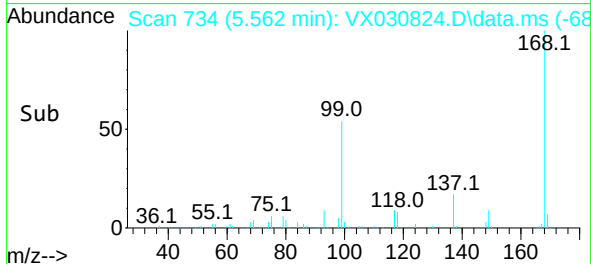
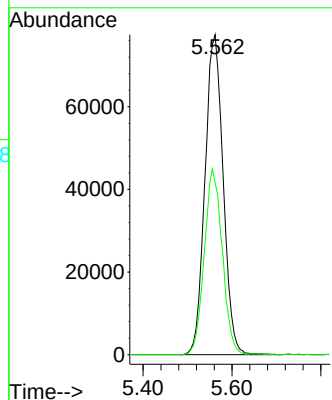
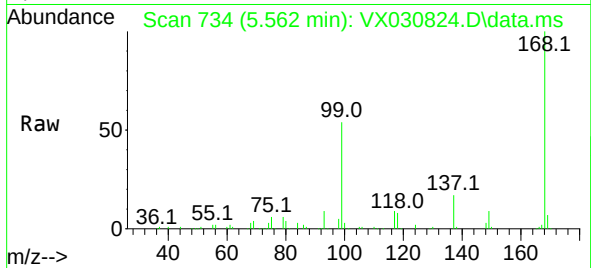




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

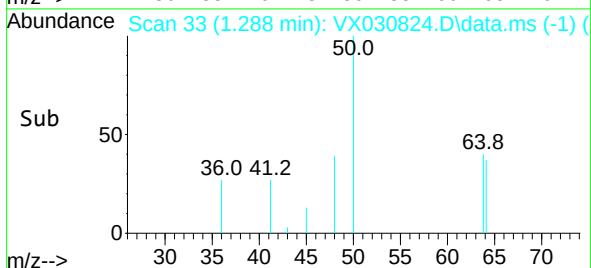
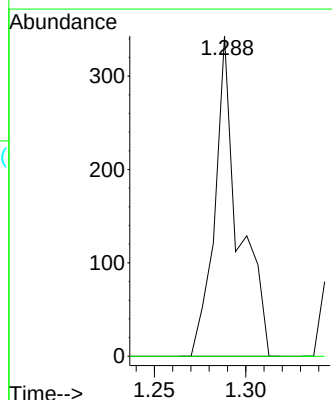
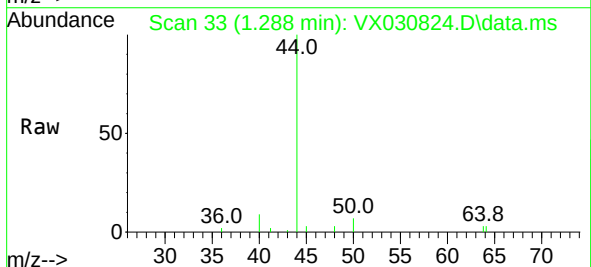
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220816DL

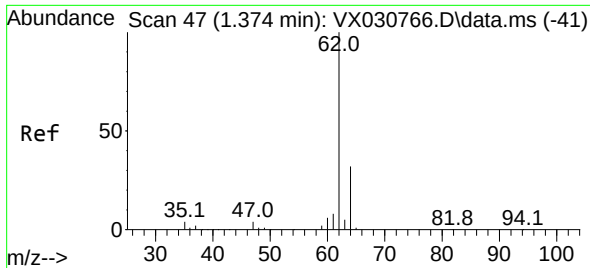
Tgt Ion:168 Resp: 220849
Ion Ratio Lower Upper
168 100
99 53.8 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

Tgt Ion: 50 Resp: 313
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5

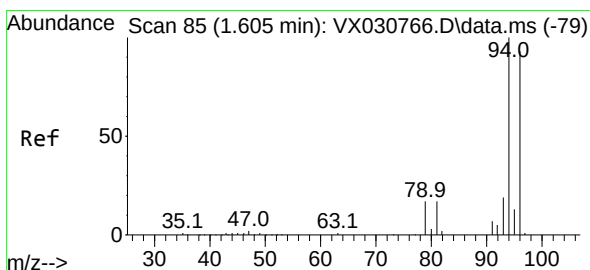
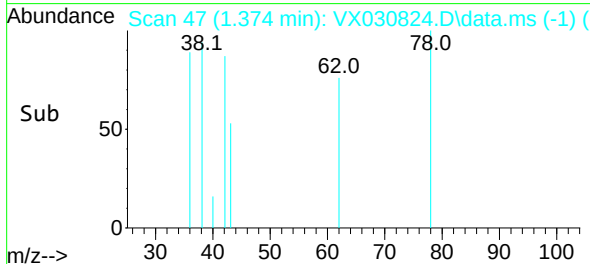
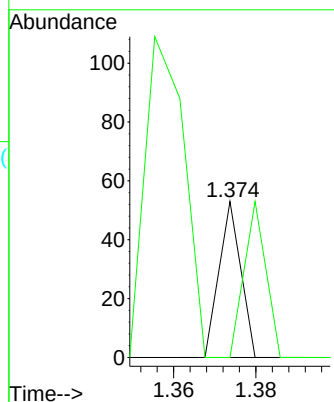
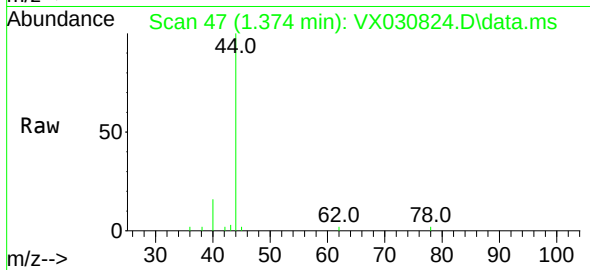




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX030824.D
 Acq: 26 Aug 2022 15:03

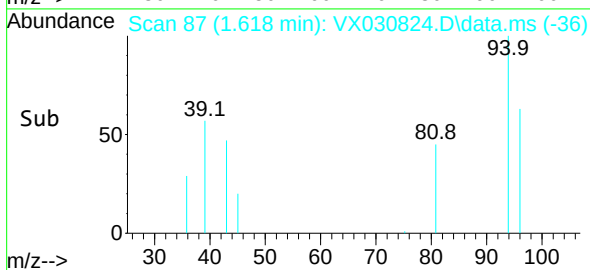
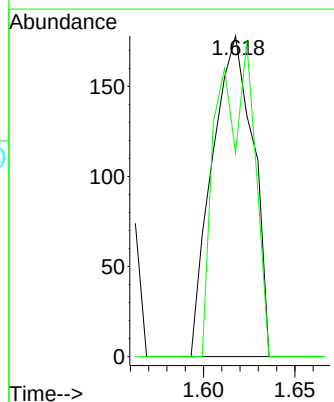
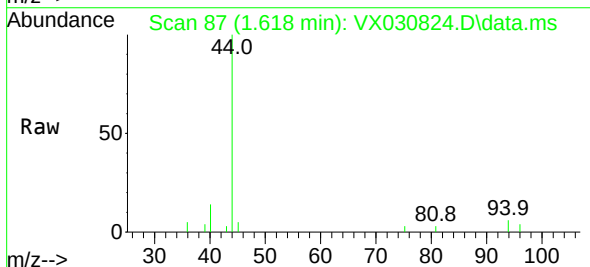
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20220816DL

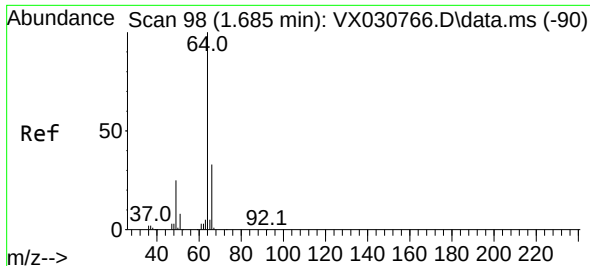
Tgt Ion: 62 Resp: 19
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.2 37.8#



#5
 Bromomethane
 Concen: 0.269 ug/l
 RT: 1.618 min Scan# 87
 Delta R.T. 0.012 min
 Lab File: VX030824.D
 Acq: 26 Aug 2022 15:03

Tgt Ion: 94 Resp: 277
 Ion Ratio Lower Upper
 94 100
 96 63.5 76.9 115.3#

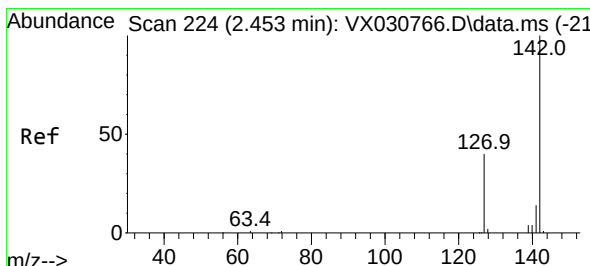
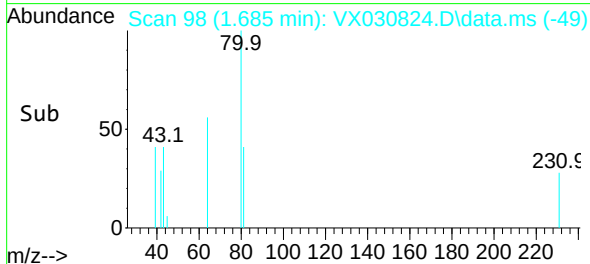
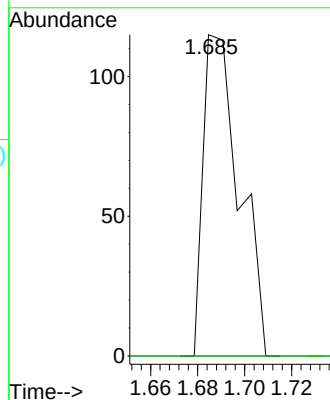
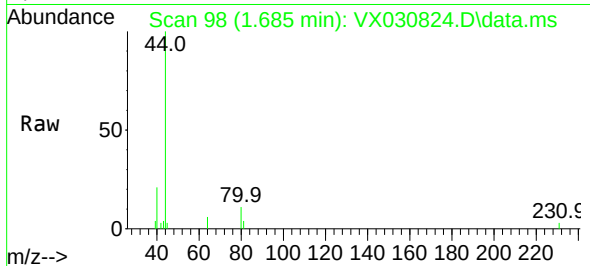




#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

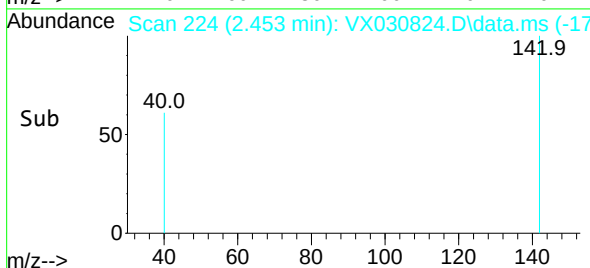
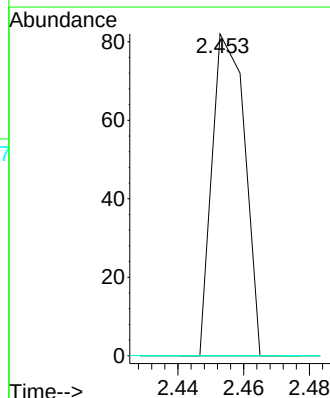
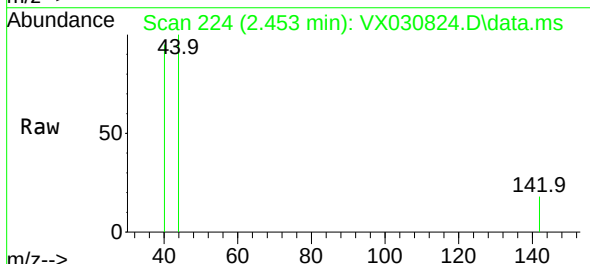
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220816DL

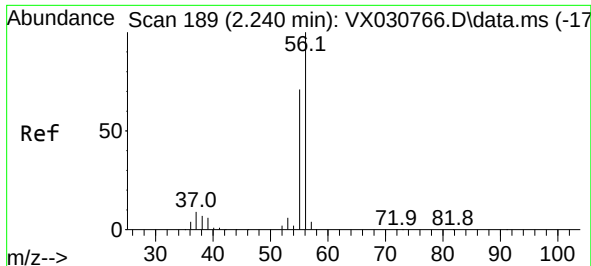
Tgt Ion: 64 Resp: 124
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 4.058 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

Tgt Ion: 142 Resp: 56
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#

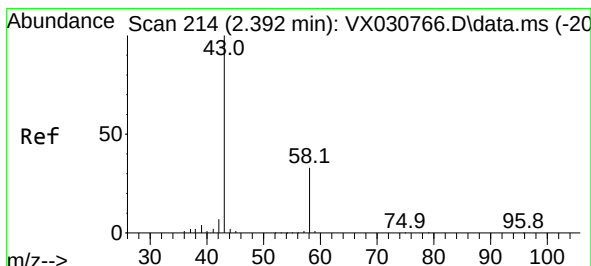
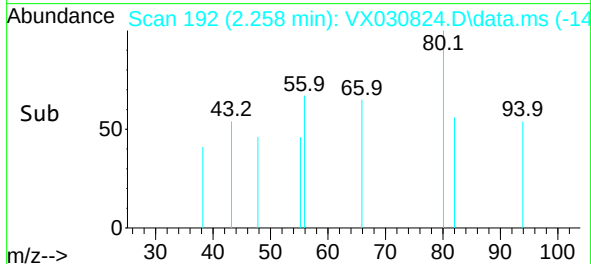
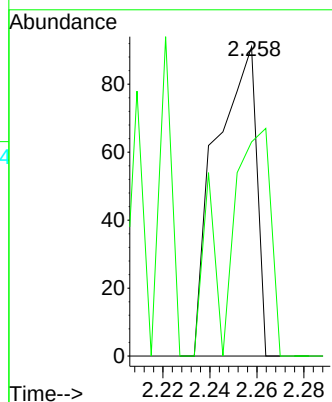
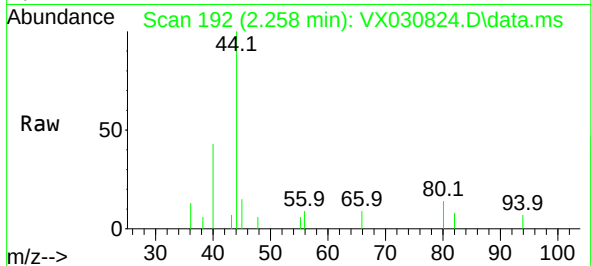




#13
Acrolein
Concen: 10.262 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.018 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

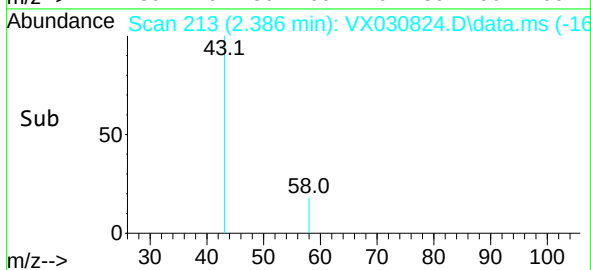
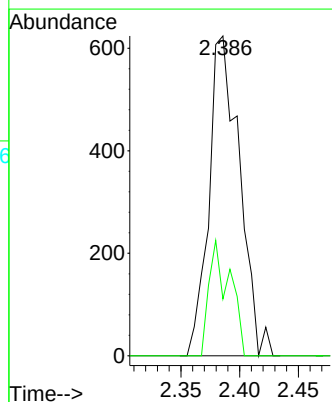
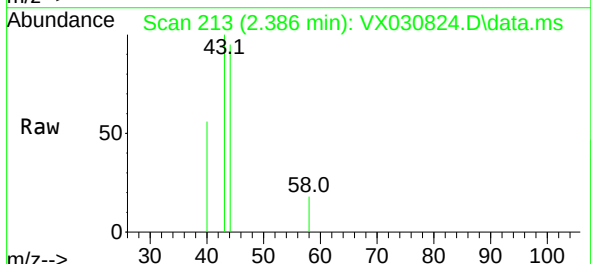
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220816DL

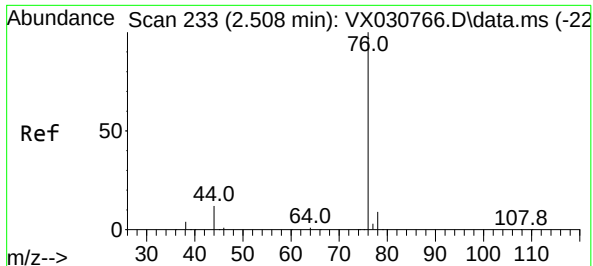
Tgt Ion: 56 Resp: 109
Ion Ratio Lower Upper
56 100
55 79.8 56.6 84.8



#16
Acetone
Concen: 0.940 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

Tgt Ion: 43 Resp: 1128
Ion Ratio Lower Upper
43 100
58 17.8 27.7 41.5#

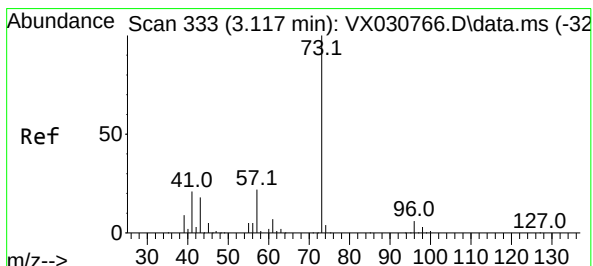
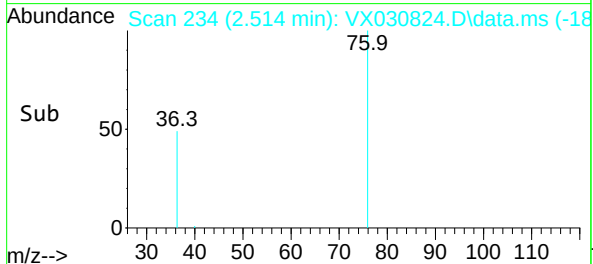
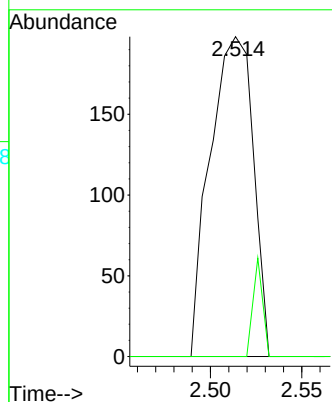
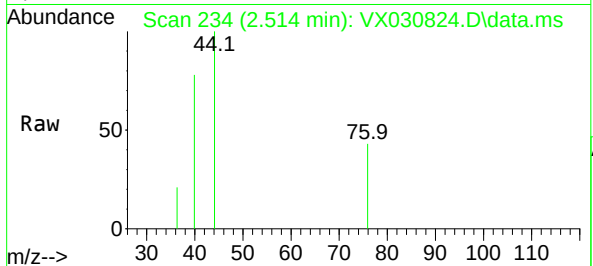




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

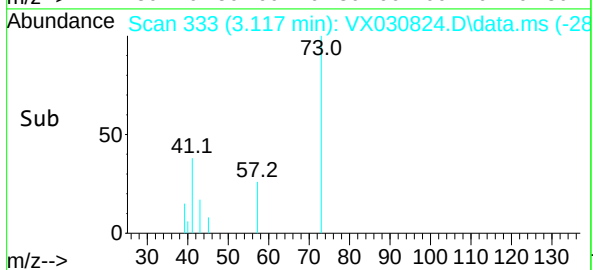
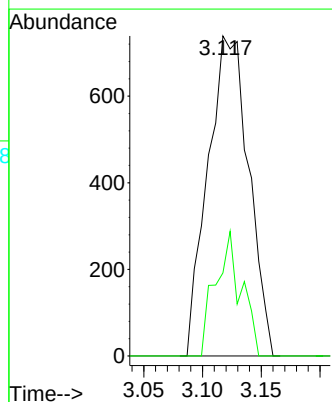
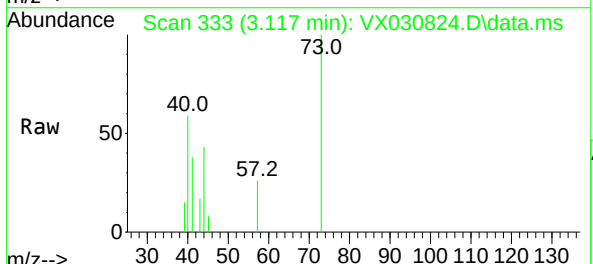
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ClientSampleId :
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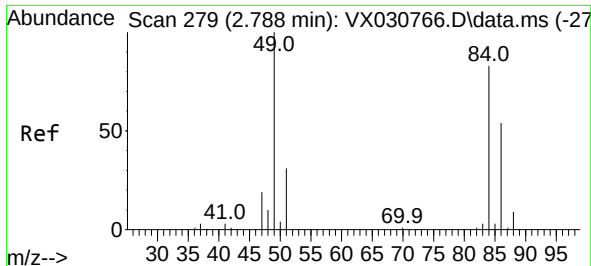
Tgt Ion: 76 Resp: 326
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#19
Methyl tert-butyl Ether
Concen: 0.258 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

Tgt Ion: 73 Resp: 1789
Ion Ratio Lower Upper
73 100
57 26.0 19.0 28.6

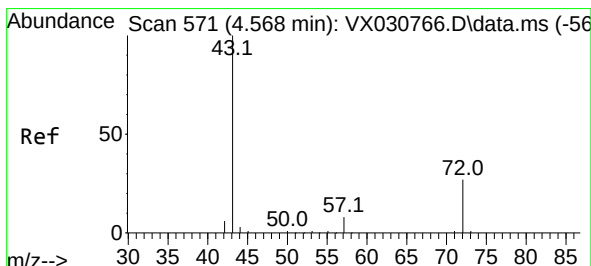
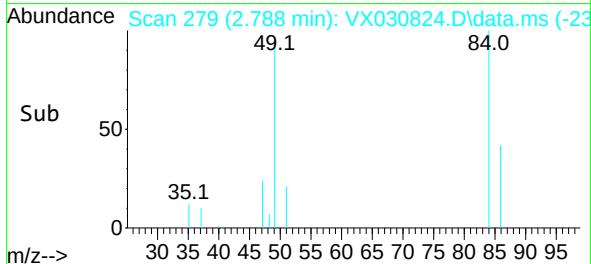
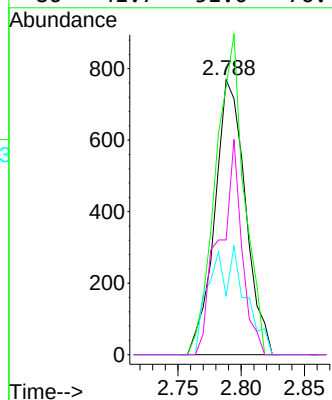
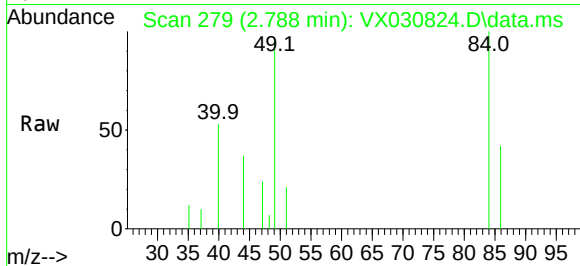




#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

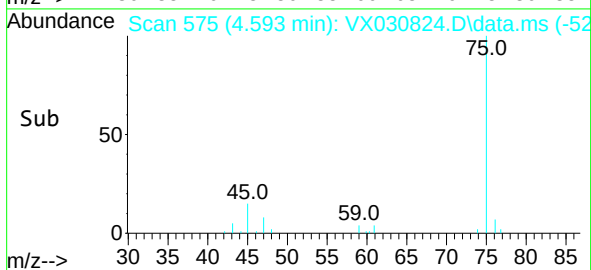
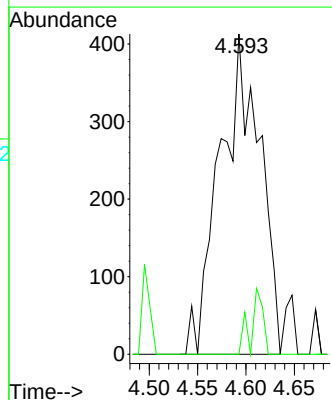
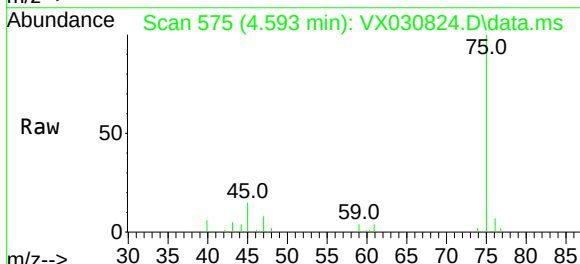
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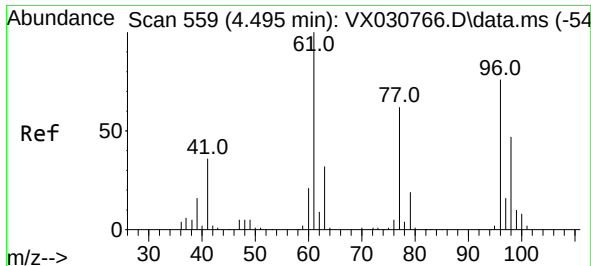
Tgt Ion:	84	Resp:	1297
Ion	Ratio	Lower	Upper
84	100		
49	97.3	93.8	140.6
51	21.5	29.4	44.0#
86	41.7	51.0	76.4#



#25
2-Butanone
Concen: 0.614 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.025 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

Tgt Ion:	43	Resp:	1188
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.7	32.5#

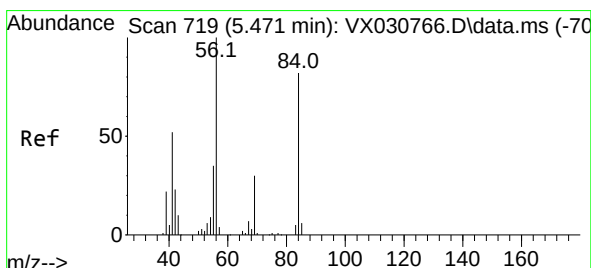
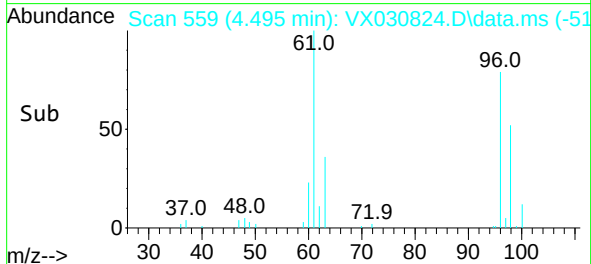
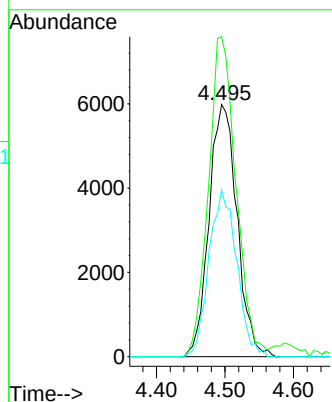
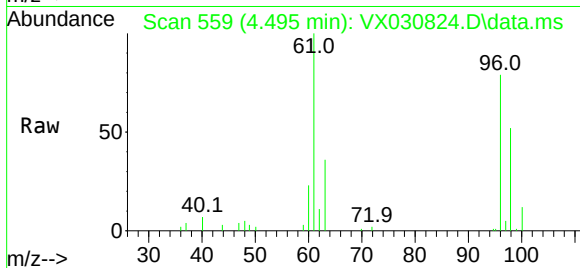




#27
 cis-1,2-Dichloroethene
 Concen: 6.392 ug/l
 RT: 4.495 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX030824.D
 Acq: 26 Aug 2022 15:03

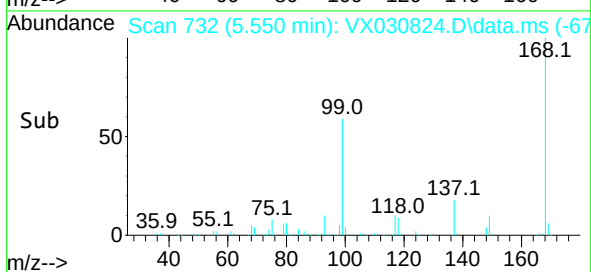
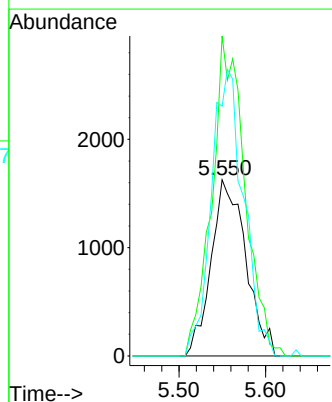
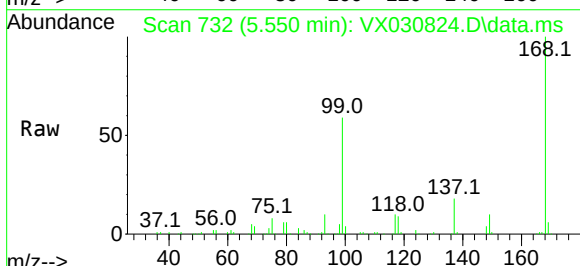
Instrument :
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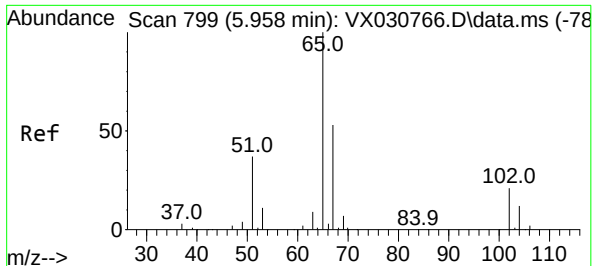
Tgt Ion:	96	Resp:	16983
Ion	Ratio	Lower	Upper
96	100		
61	125.1	0.0	270.0
98	65.4	0.0	127.8



#31
 Cyclohexane
 Concen: 1.362 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. 0.079 min
 Lab File: VX030824.D
 Acq: 26 Aug 2022 15:03

Tgt Ion:	56	Resp:	4523
Ion	Ratio	Lower	Upper
56	100		
69	181.7	25.4	38.0#
84	141.9	68.9	103.3#





#33

1,2-Dichloroethane-d4

Concen: 50.879 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX030824.D

Acq: 26 Aug 2022 15:03

Instrument :

MSVOA_X

ClientSampleId :

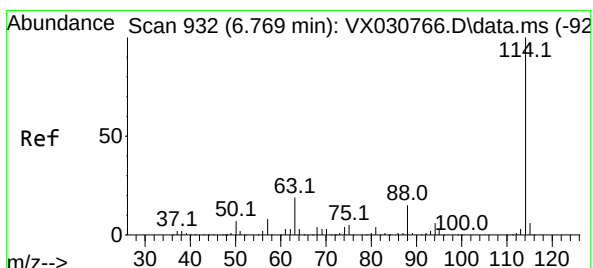
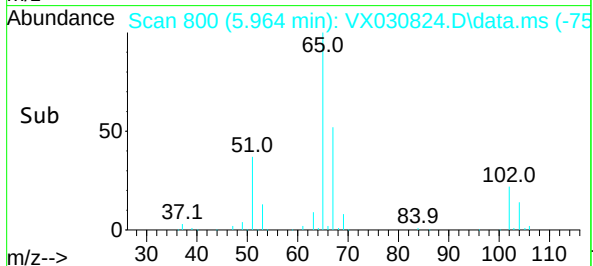
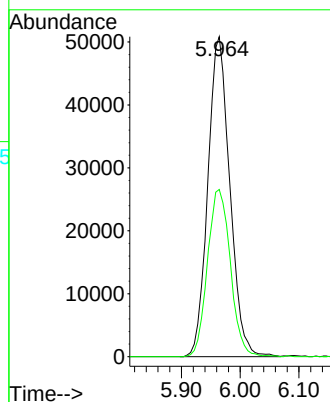
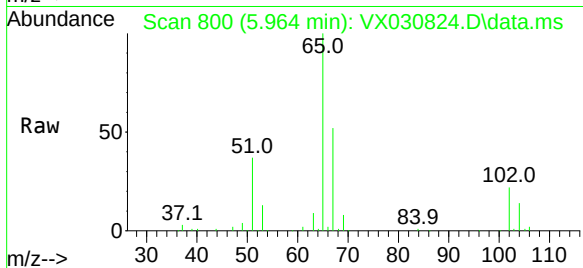
DUP02-20220816DL

Tgt Ion: 65 Resp: 132173

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX030824.D

Acq: 26 Aug 2022 15:03

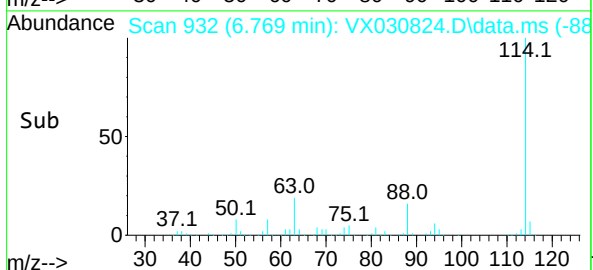
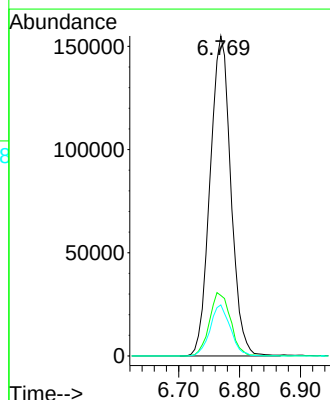
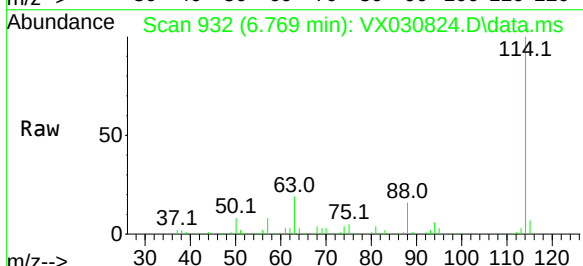
Tgt Ion: 114 Resp: 366732

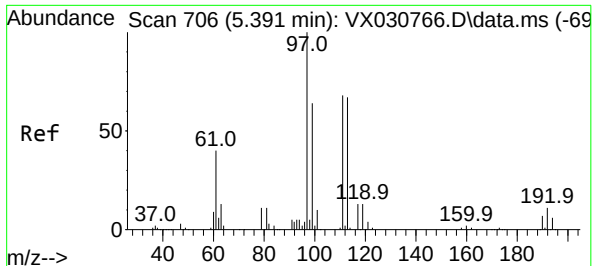
Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.4

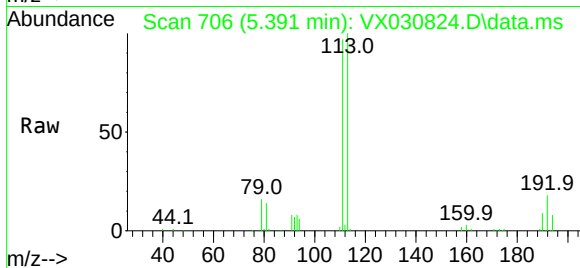
88 16.0 0.0 31.8



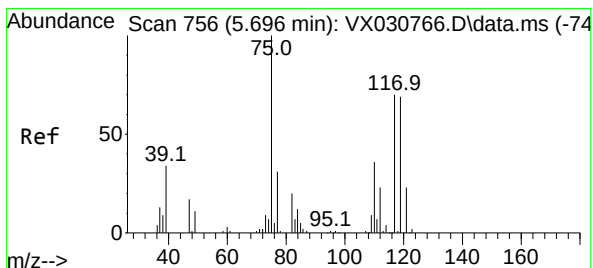
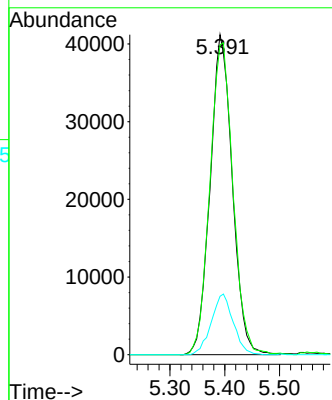
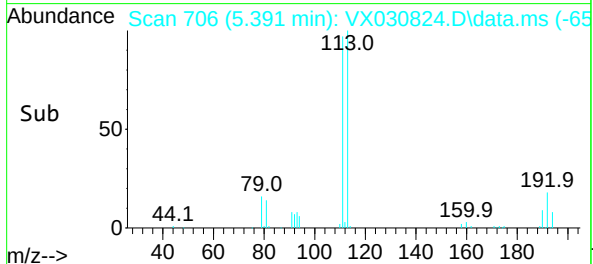


#35
Dibromofluoromethane
Concen: 51.362 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

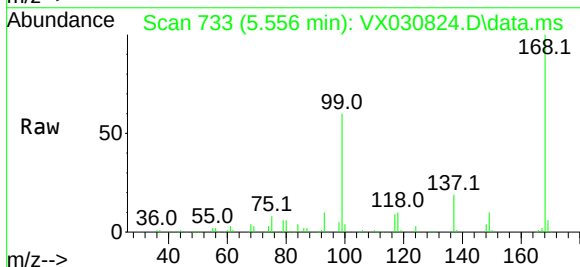
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220816DL



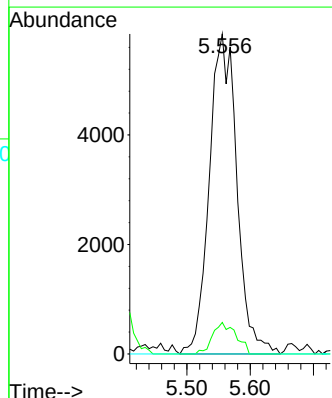
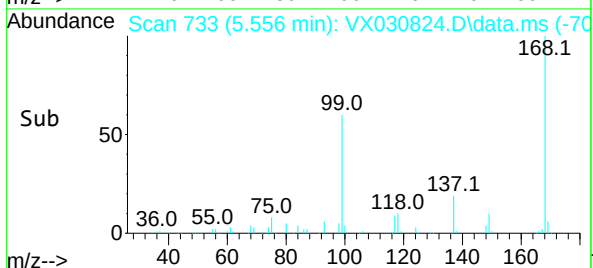
Tgt Ion:113 Resp: 115763
Ion Ratio Lower Upper
113 100
111 101.5 83.2 124.8
192 18.7 14.8 22.2

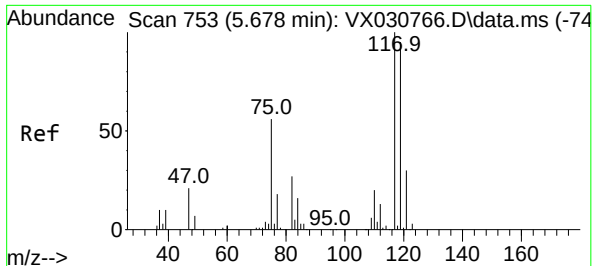


#36
1,1-Dichloropropene
Concen: 5.748 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03



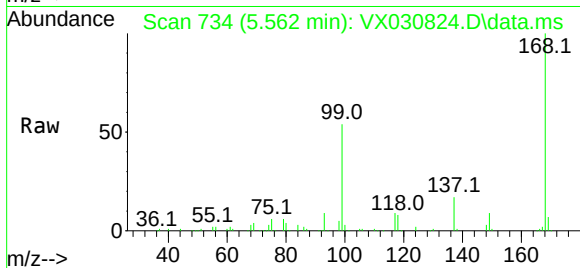
Tgt Ion: 75 Resp: 17643
Ion Ratio Lower Upper
75 100
110 8.4 19.3 57.9#
77 0.0 24.4 36.6#



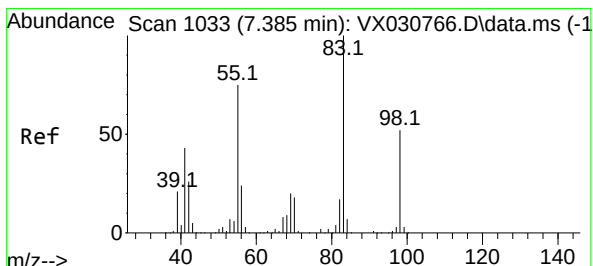
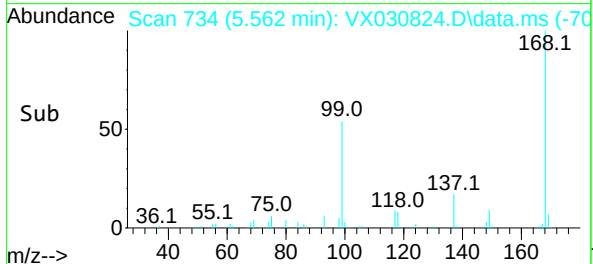
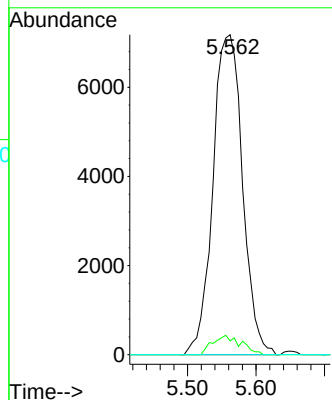


#38
Carbon Tetrachloride
Concen: 6.650 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220816DL

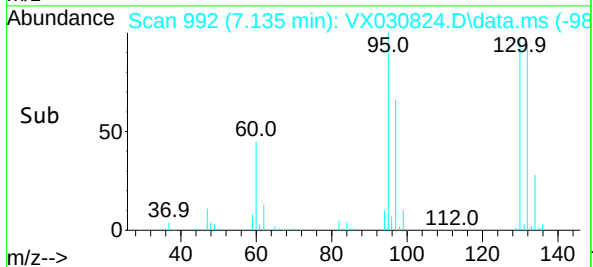
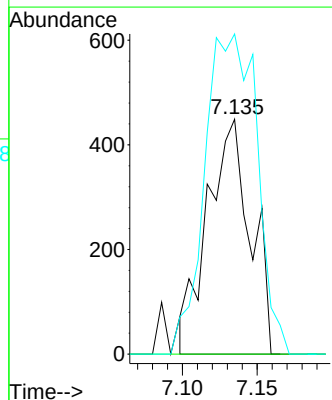
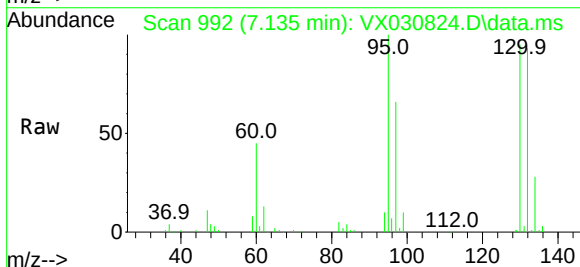


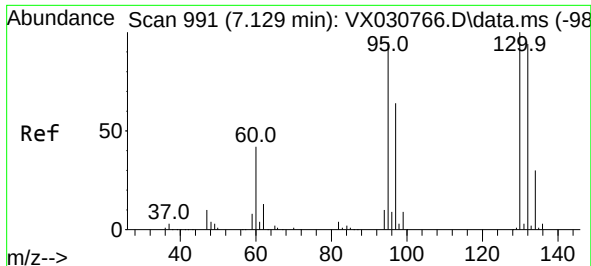
Tgt Ion:117 Resp: 21528
Ion Ratio Lower Upper
117 100
119 4.3 74.1 111.1#
121 0.0 25.8 38.8#



#39
Methylcyclohexane
Concen: 0.244 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

Tgt Ion: 83 Resp: 896
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 124.1 36.5 54.7#

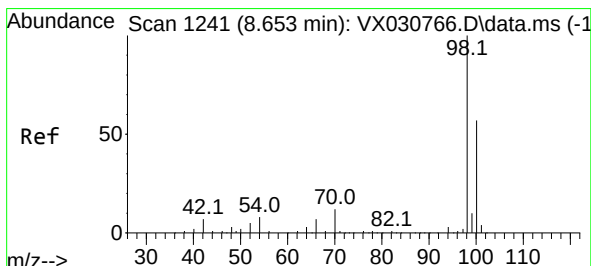
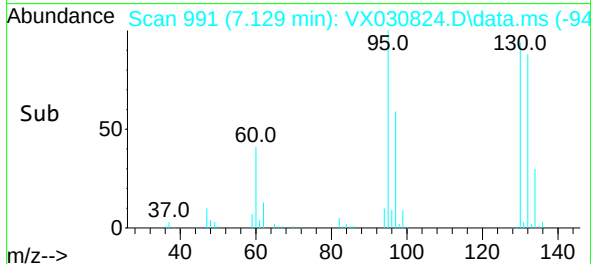
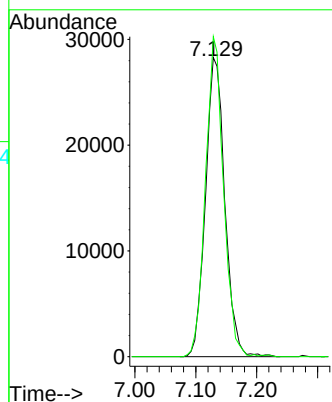
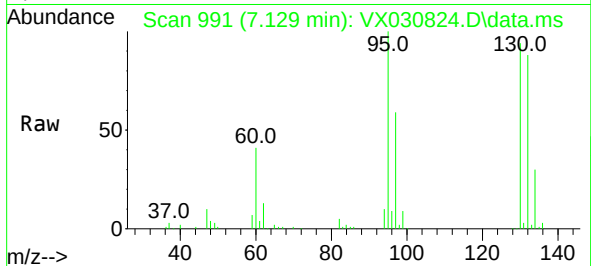




#44
Trichloroethene
Concen: 23.538 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

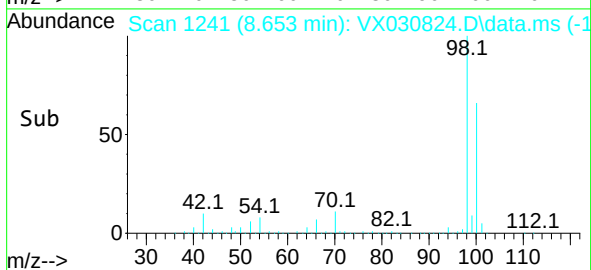
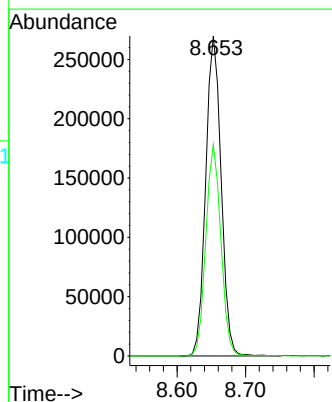
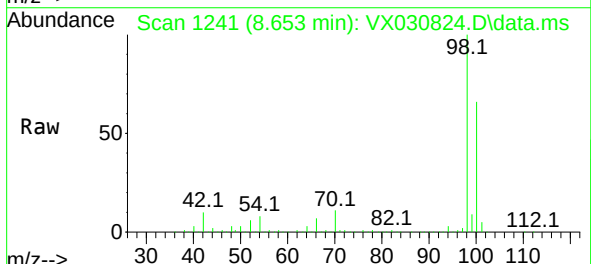
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220816DL

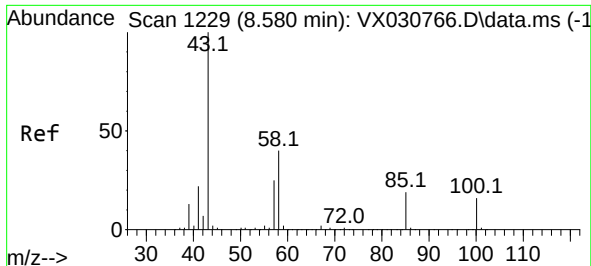
Tgt Ion:130 Resp: 62442
Ion Ratio Lower Upper
130 100
95 106.9 0.0 194.8



#50
Toluene-d8
Concen: 53.948 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

Tgt Ion: 98 Resp: 423705
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5

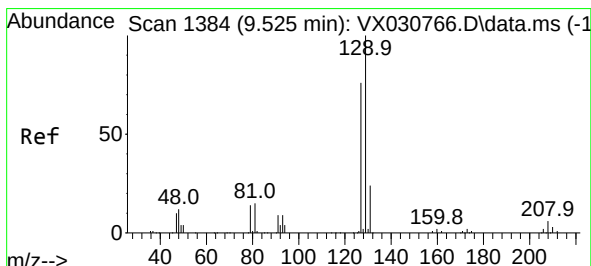
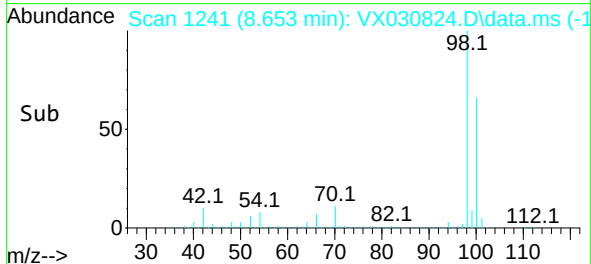
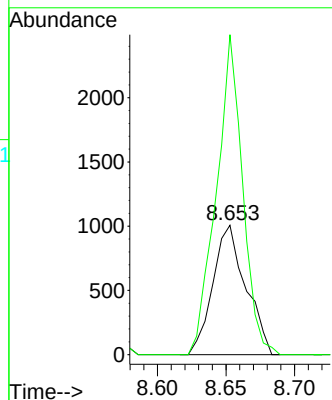
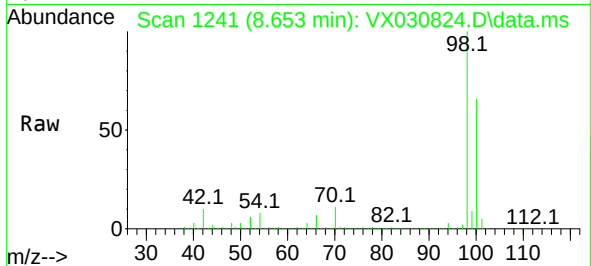




#51
4-Methyl-2-Pentanone
Concen: 0.457 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

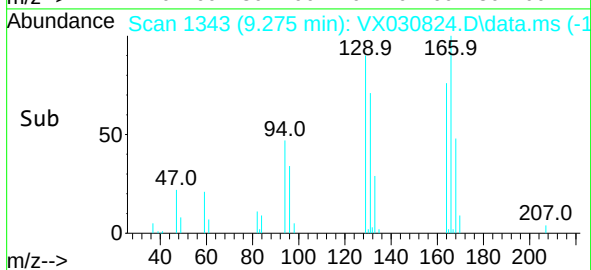
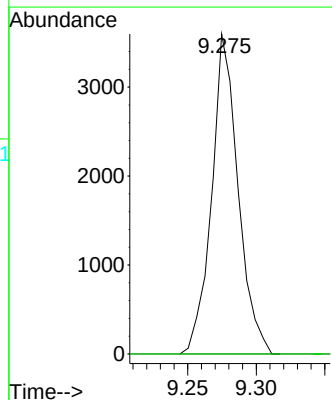
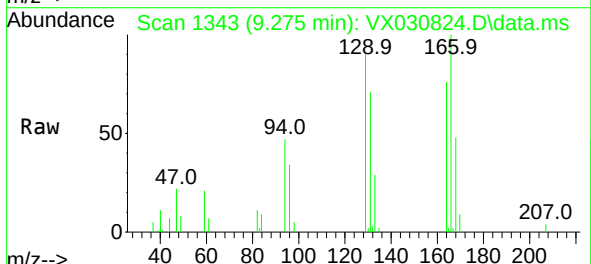
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220816DL

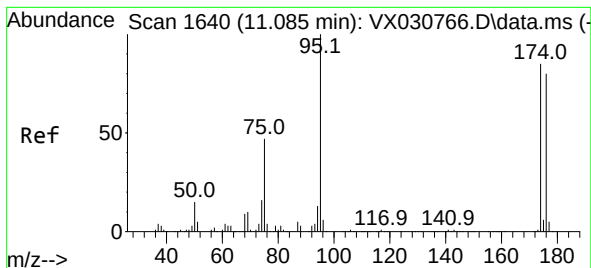
Tgt Ion: 43 Resp: 1686
Ion Ratio Lower Upper
43 100
58 197.4 31.4 47.2#



#60
Dibromochloromethane
Concen: 1.818 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

Tgt Ion: 129 Resp: 4829
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

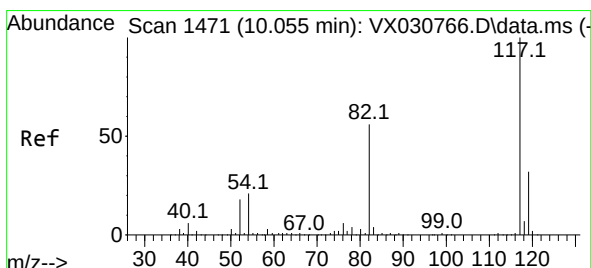
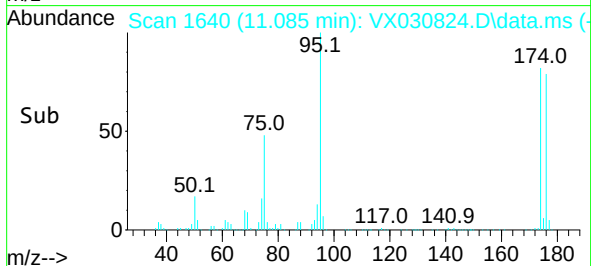
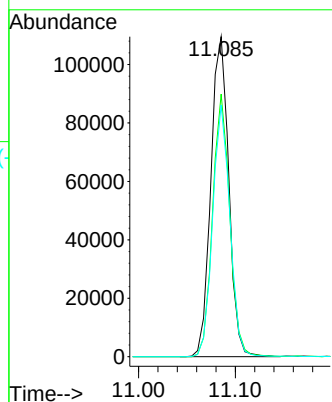
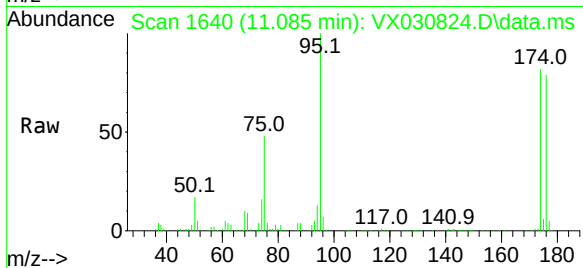




#62
4-Bromofluorobenzene
Concen: 48.235 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

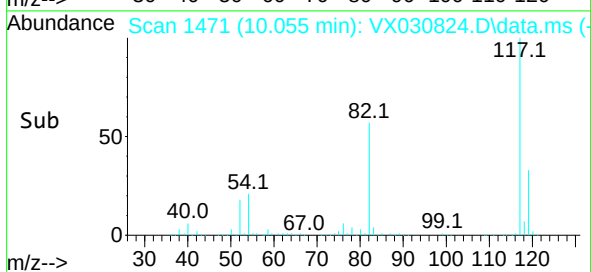
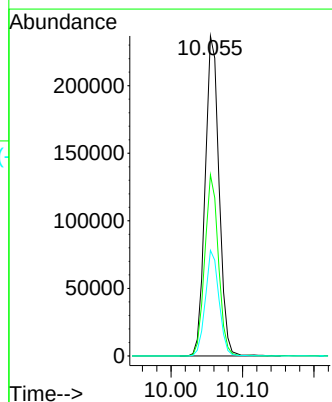
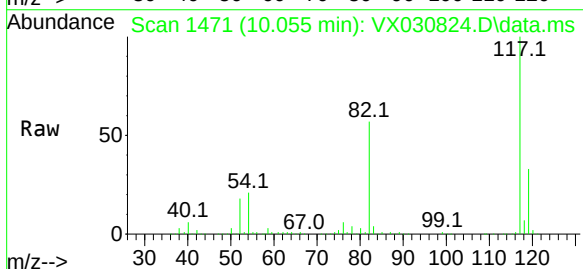
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220816DL

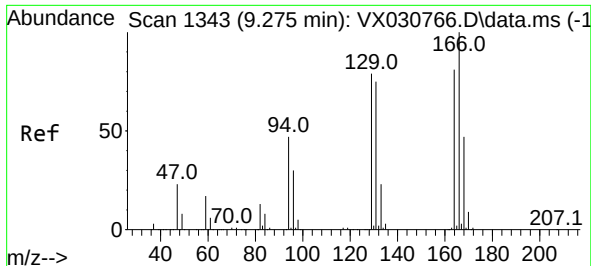
Tgt Ion: 95 Resp: 141042
Ion Ratio Lower Upper
95 100
174 78.4 0.0 149.0
176 75.9 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

Tgt Ion: 117 Resp: 320138
Ion Ratio Lower Upper
117 100
82 56.6 42.7 64.1
119 33.0 25.4 38.2

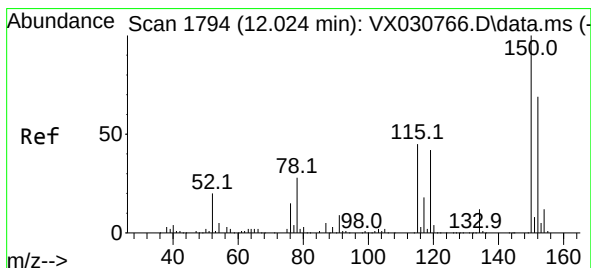
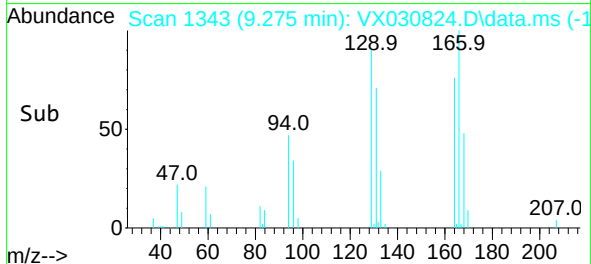
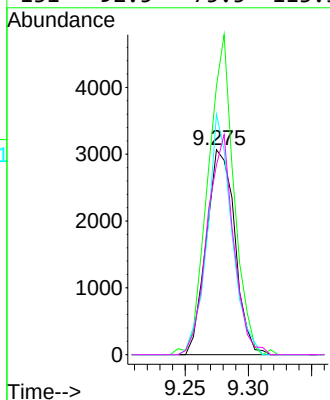
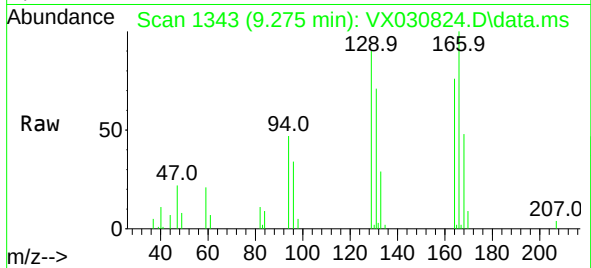




#64
Tetrachloroethene
Concen: 1.907 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

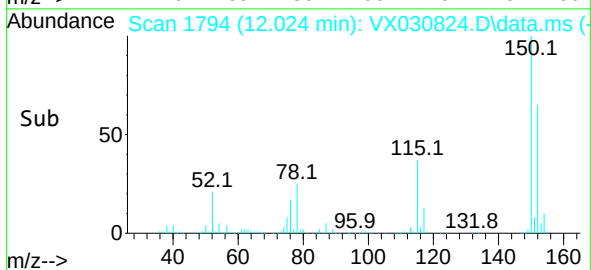
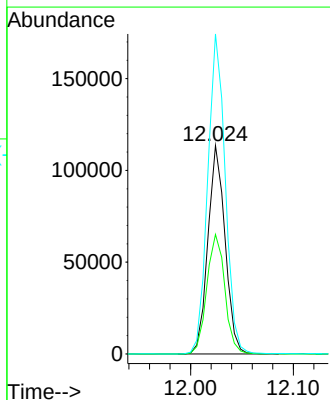
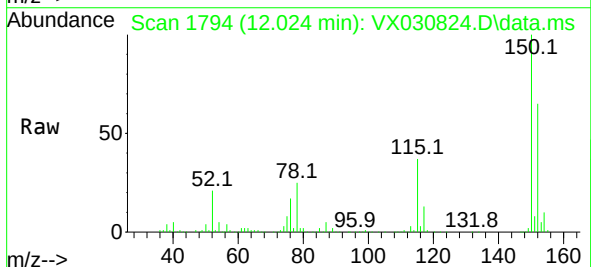
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220816DL

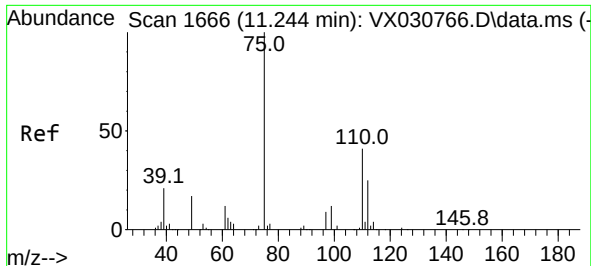
Tgt Ion:164	Resp:	4808	
Ion	Ratio	Lower	Upper
164	100		
166	131.0	98.2	147.4
129	117.3	80.8	121.2
131	92.5	75.5	113.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

Tgt Ion:152	Resp:	132123	
Ion	Ratio	Lower	Upper
152	100		
115	60.1	40.5	121.5
150	156.0	0.0	347.0

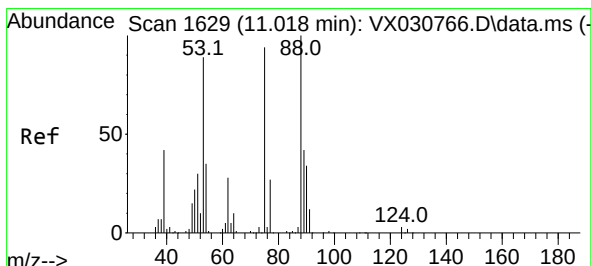
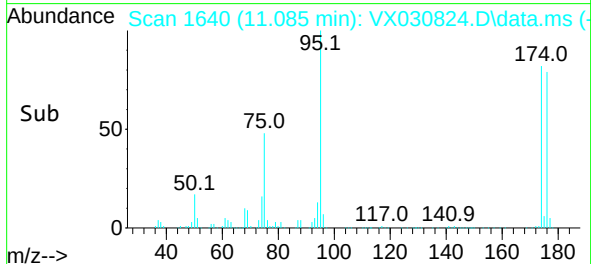
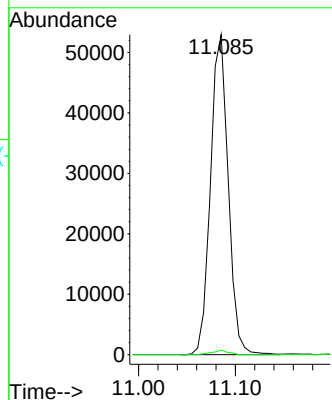
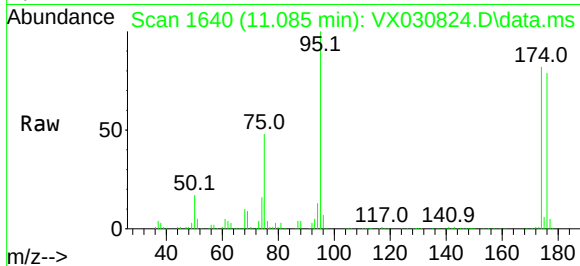




#76
1,2,3-Trichloropropane
Concen: 23.328 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220816DL

Tgt Ion: 75 Resp: 67527
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.267 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX030824.D
Acq: 26 Aug 2022 15:03

Tgt Ion: 75 Resp: 67527
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

