

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082622\
 Data File : VX030828.D
 Acq On : 26 Aug 2022 16:38
 Operator : JC/MD
 Sample : N4245-13DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20220816DL

Quant Time: Aug 27 02:40:26 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)

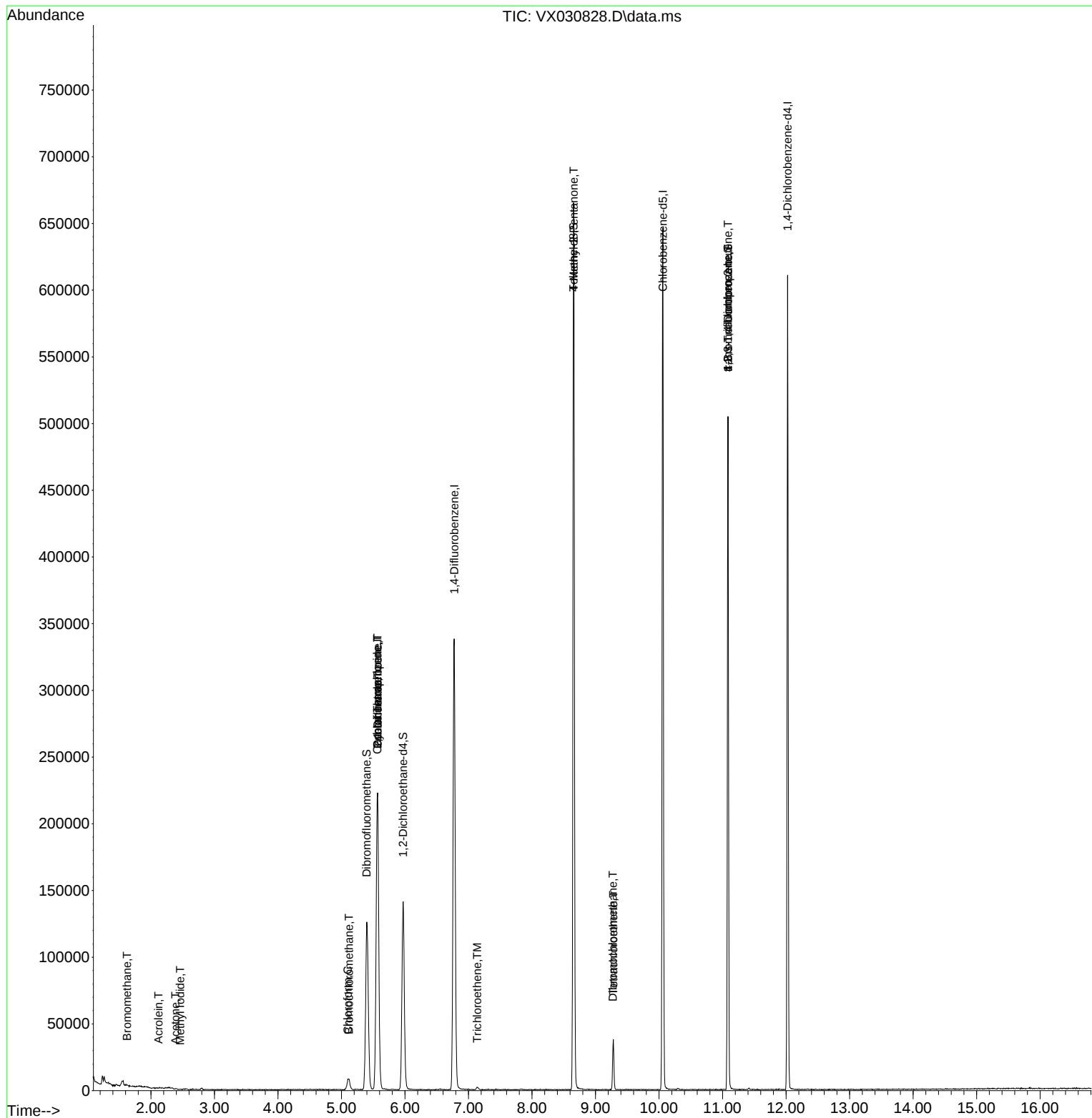
Internal Standards						
1) Pentafluorobenzene	5.568	168	213223	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.775	114	345797	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	302759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	126574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	135093	53.863	ug/l	0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.720%			
35) Dibromofluoromethane	5.397	113	112057	52.727	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.460%			
50) Toluene-d8	8.653	98	407415	55.014	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.020%			
62) 4-Bromofluorobenzene	11.085	95	131744	47.783	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.560%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	268	Below Cal	#	75
4) Vinyl Chloride	1.404	62	23	Below Cal	#	1
5) Bromomethane	1.624	94	260	0.262	ug/l #	54
6) Chloroethane	1.679	64	30	Below Cal	#	41
10) Methyl Iodide	2.459	142	57	4.060	ug/l #	45
13) Acrolein	2.117	56	105	10.261	ug/l #	14
16) Acetone	2.386	43	348	0.300	ug/l #	40
17) Carbon Disulfide	2.520	76	297	Below Cal	#	74
20) Methylene Chloride	2.800	84	425	Below Cal	#	73
28) Bromochloromethane	5.117	49	860	0.491	ug/l #	12
30) Chloroform	5.099	83	4765	1.112	ug/l #	82
31) Cyclohexane	5.568	56	4304	1.342	ug/l #	6
36) 1,1-Dichloropropene	5.568	75	16774	5.796	ug/l #	49
38) Carbon Tetrachloride	5.562	117	21340	6.991	ug/l #	17
44) Trichloroethene	7.135	130	973	0.389	ug/l	83
51) 4-Methyl-2-Pentanone	8.659	43	1773	0.509	ug/l #	1
60) Dibromochloromethane	9.275	129	7121	2.843	ug/l #	11
64) Tetrachloroethene	9.281	164	6917	2.900	ug/l	88
76) 1,2,3-Trichloropropane	11.085	75	65875	23.755	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	65875	76.645	ug/l #	13

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

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DUP04-20220816DL

Quant Time: Aug 27 02:40:26 2022
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QLast Update : Fri Aug 26 02:03:28 2022
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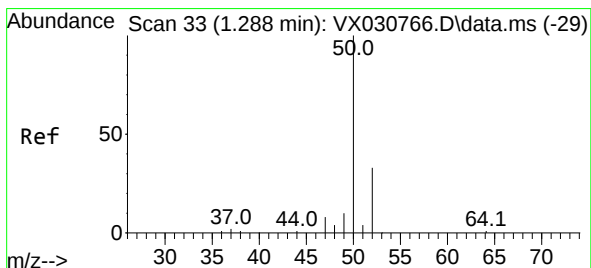
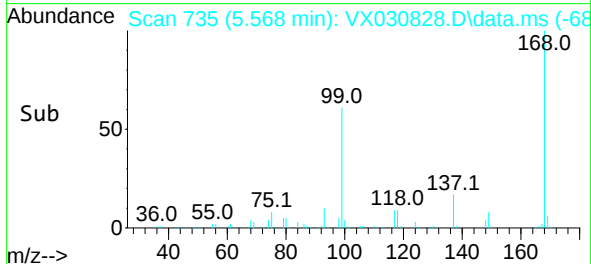
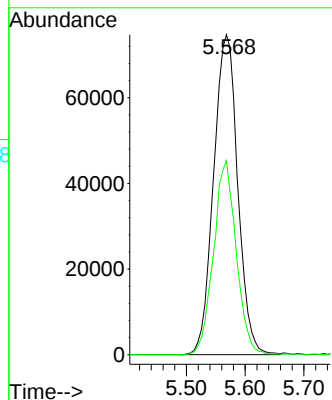
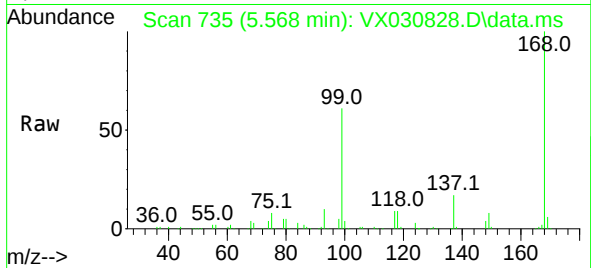




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

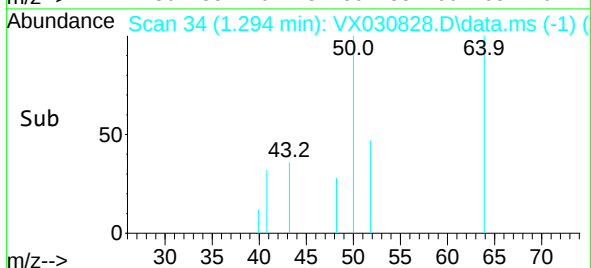
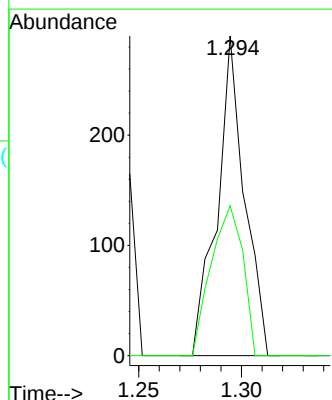
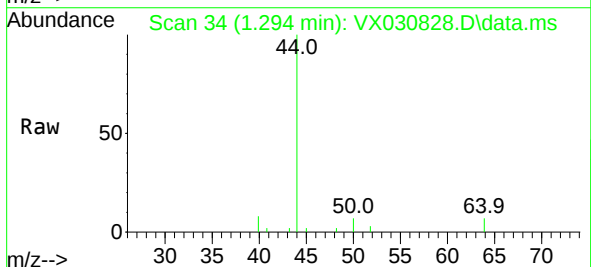
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MSVOA_X
ClientSampleId :
DUP04-20220816DL

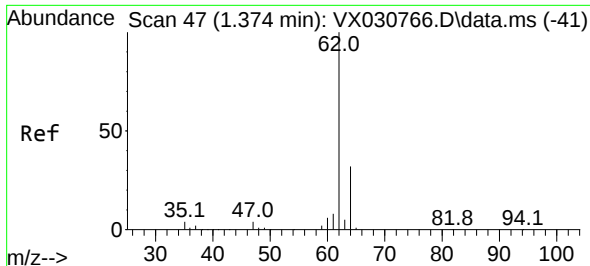
Tgt Ion:168 Resp: 213223
Ion Ratio Lower Upper
168 100
99 60.7 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

Tgt Ion: 50 Resp: 268
Ion Ratio Lower Upper
50 100
52 46.9 26.3 39.5#

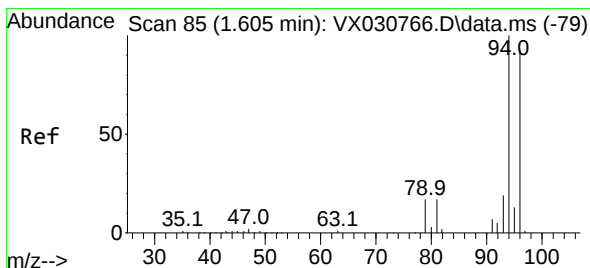
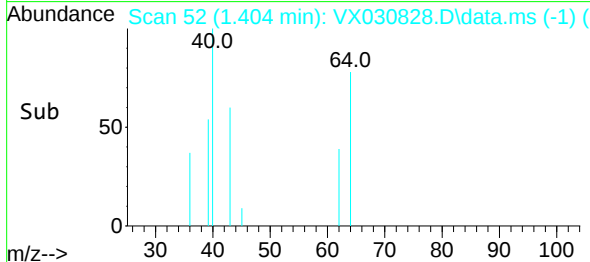
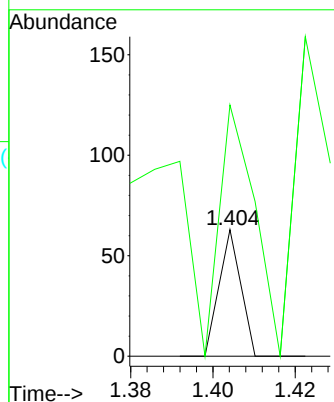
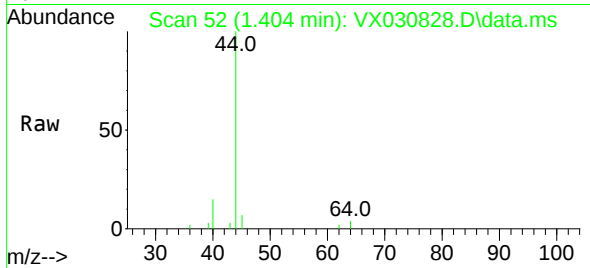




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 1.404 min Scan# 51
 Delta R.T. 0.030 min
 Lab File: VX030828.D
 Acq: 26 Aug 2022 16:38

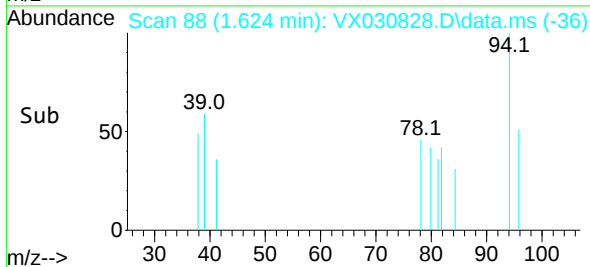
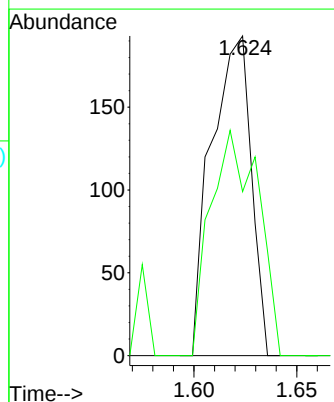
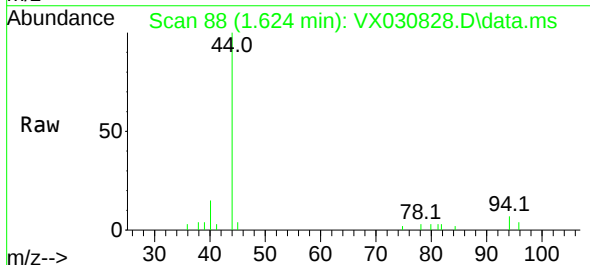
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20220816DL

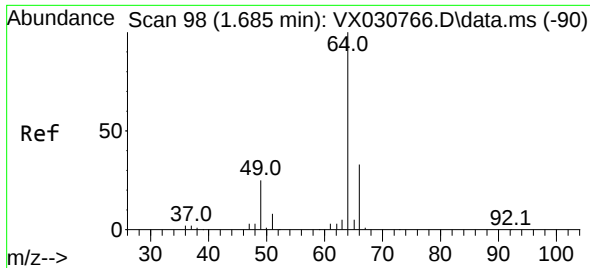
Tgt Ion: 62 Resp: 23
 Ion Ratio Lower Upper
 62 100
 64 198.4 25.2 37.8#



#5
 Bromomethane
 Concen: 0.262 ug/l
 RT: 1.624 min Scan# 88
 Delta R.T. 0.018 min
 Lab File: VX030828.D
 Acq: 26 Aug 2022 16:38

Tgt Ion: 94 Resp: 260
 Ion Ratio Lower Upper
 94 100
 96 51.3 76.9 115.3#

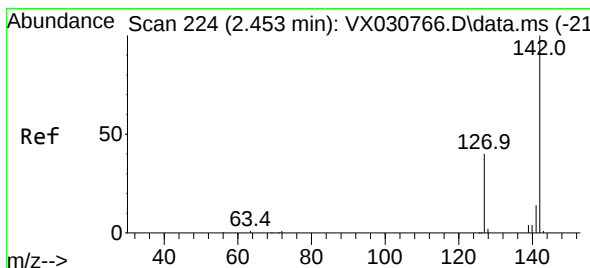
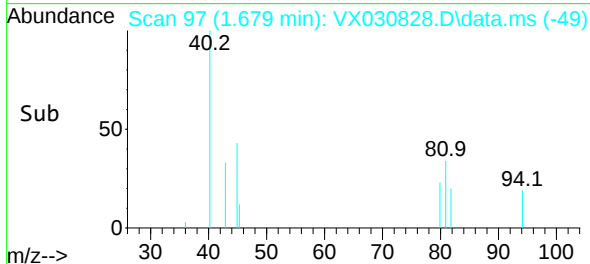
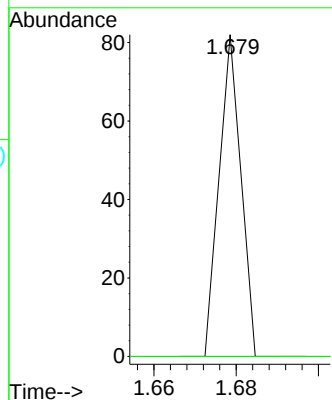
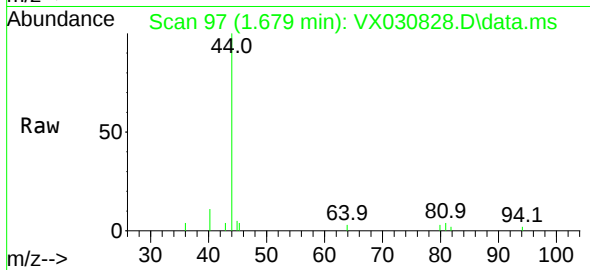




#6
Chloroethane
Concen: Below Cal
RT: 1.679 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

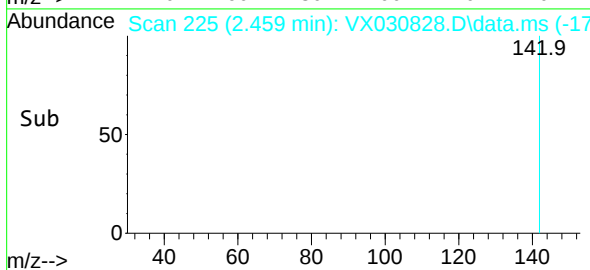
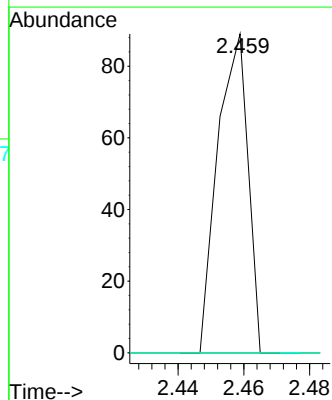
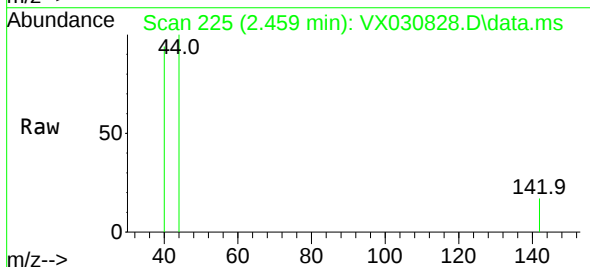
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816DL

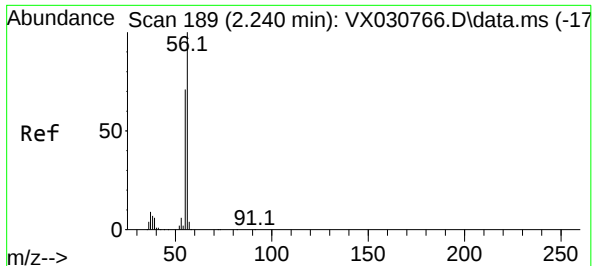
Tgt Ion: 64 Resp: 30
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 4.060 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

Tgt Ion: 142 Resp: 57
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#

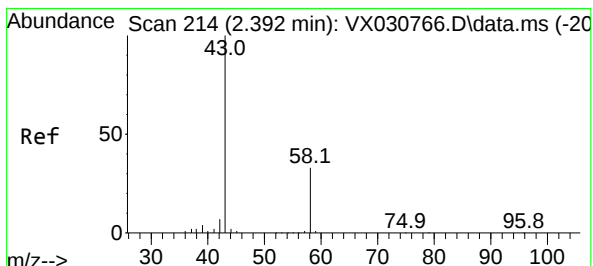
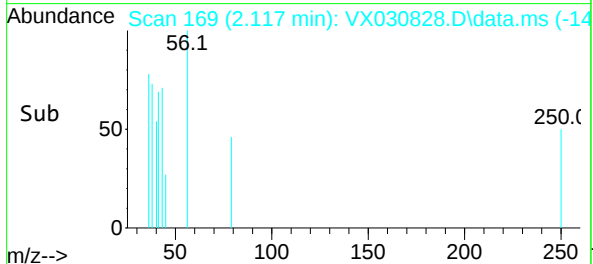
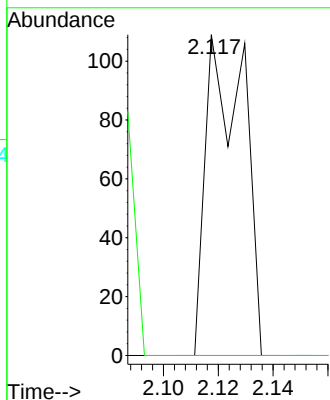
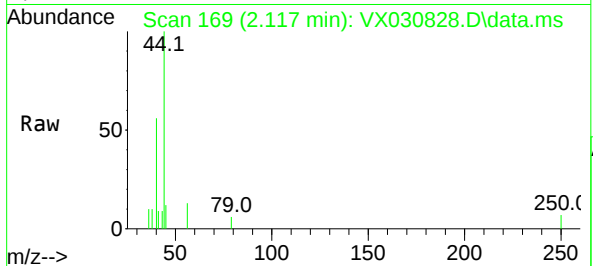




#13
Acrolein
Concen: 10.261 ug/l
RT: 2.117 min Scan# 11
Delta R.T. -0.123 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

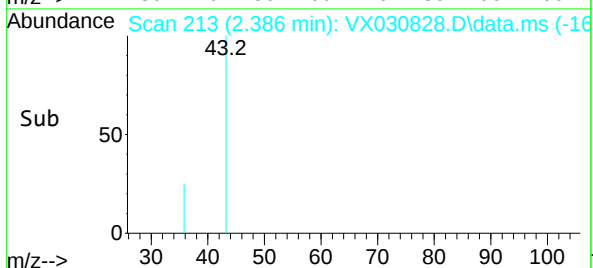
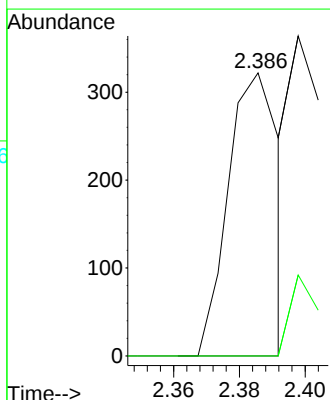
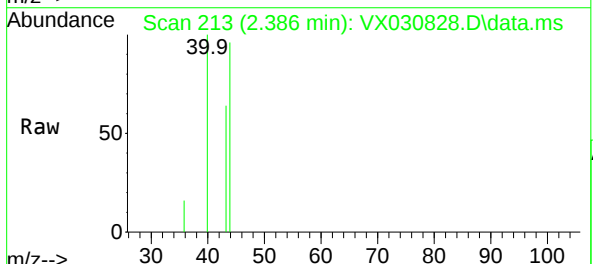
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816DL

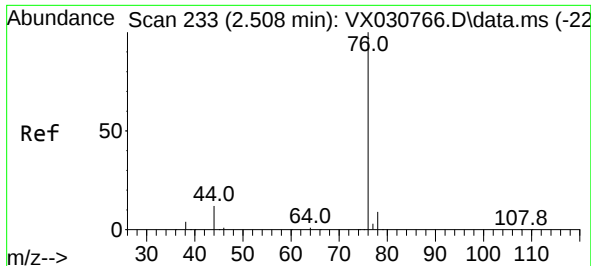
Tgt Ion: 56 Resp: 105
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 0.300 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

Tgt Ion: 43 Resp: 348
Ion Ratio Lower Upper
43 100
58 0.0 27.7 41.5#

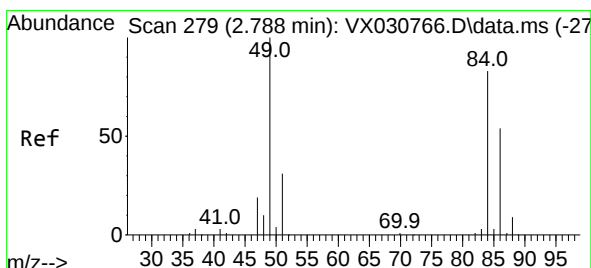
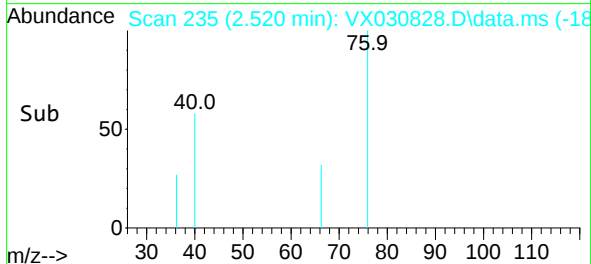
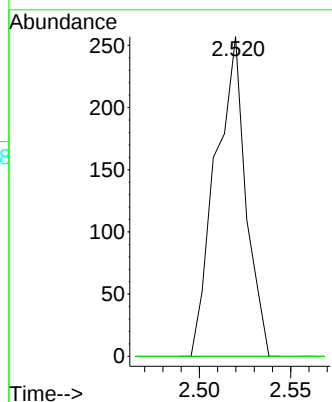
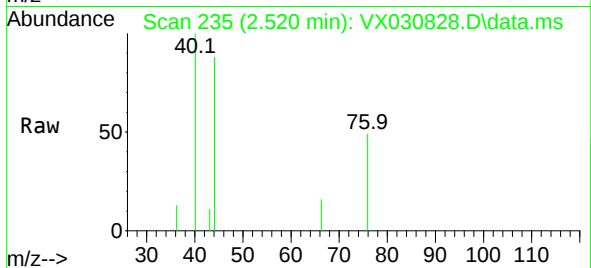




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.520 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

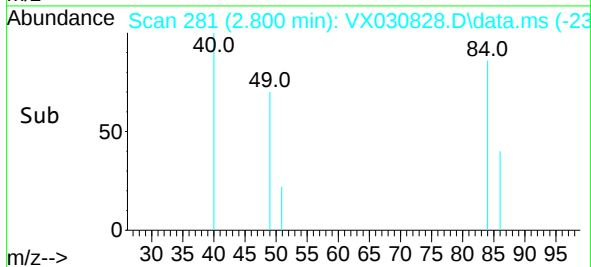
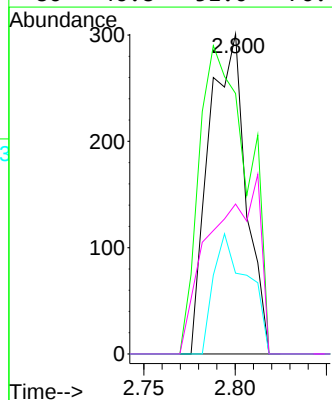
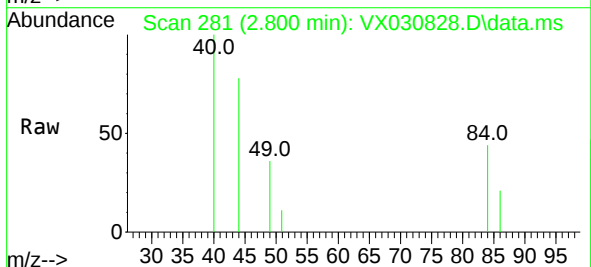
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MSVOA_X
ClientSampleId :
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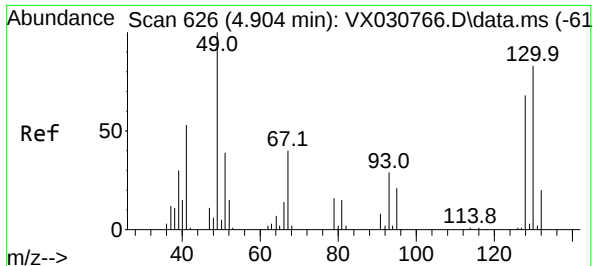
Tgt Ion: 76 Resp: 297
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

Tgt Ion: 84 Resp: 425
Ion Ratio Lower Upper
84 100
49 81.4 93.8 140.6#
51 25.2 29.4 44.0#
86 46.8 51.0 76.4#

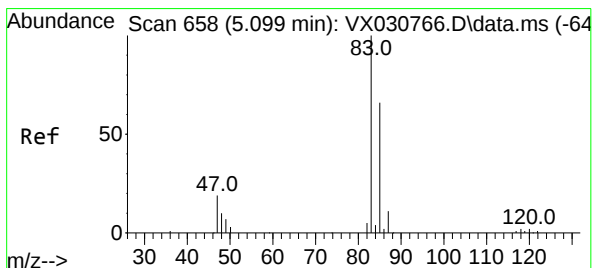
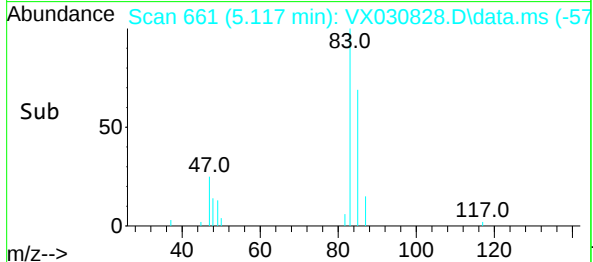
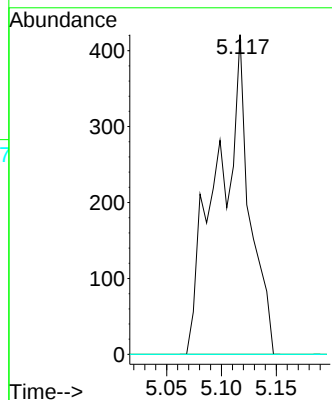
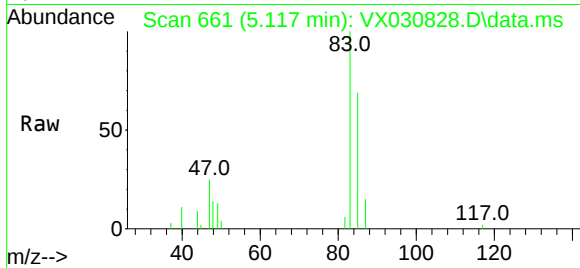




#28
Bromochloromethane
Concen: 0.491 ug/l
RT: 5.117 min Scan# 611
Delta R.T. 0.213 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

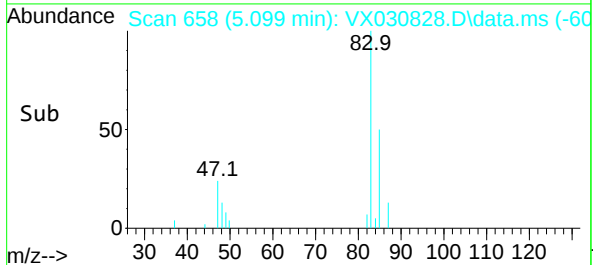
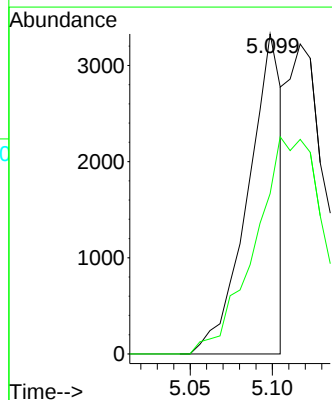
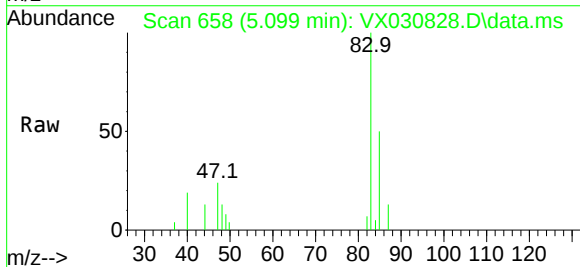
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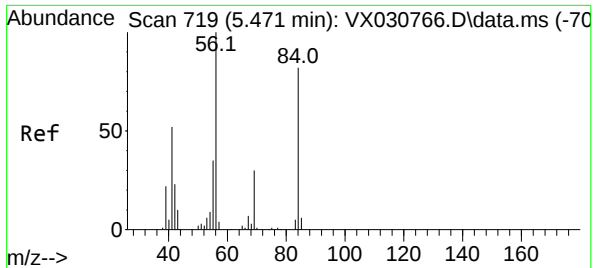
Tgt Ion: 49 Resp: 860
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 62.8 94.2#



#30
Chloroform
Concen: 1.112 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.000 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

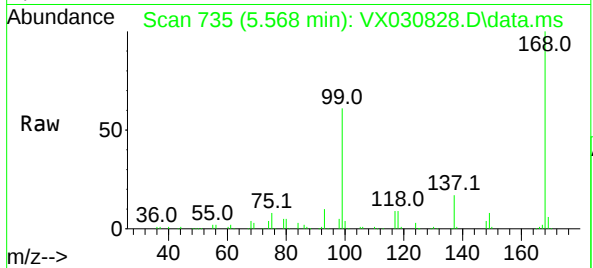
Tgt Ion: 83 Resp: 4765
Ion Ratio Lower Upper
83 100
85 50.1 51.5 77.3#



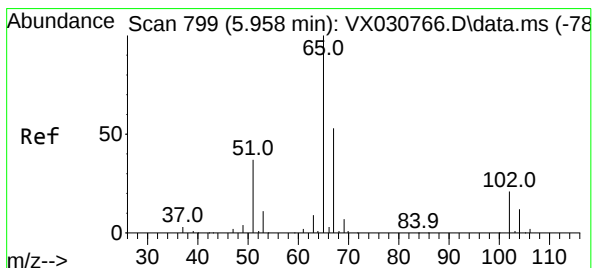
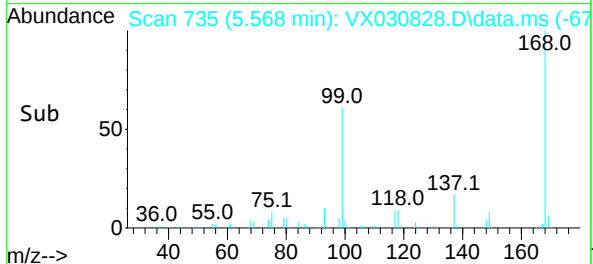
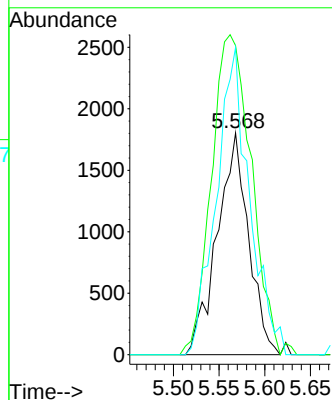


#31
Cyclohexane
Concen: 1.342 ug/l
RT: 5.568 min Scan# 719
Delta R.T. 0.097 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816DL

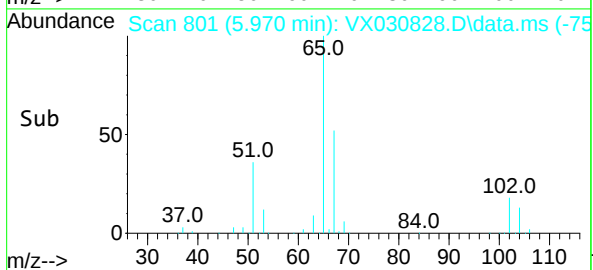
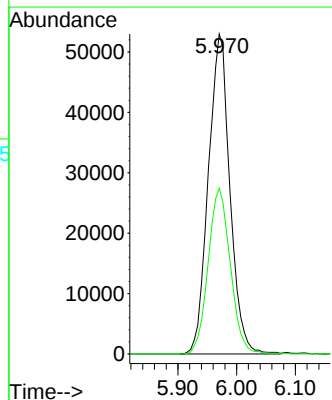
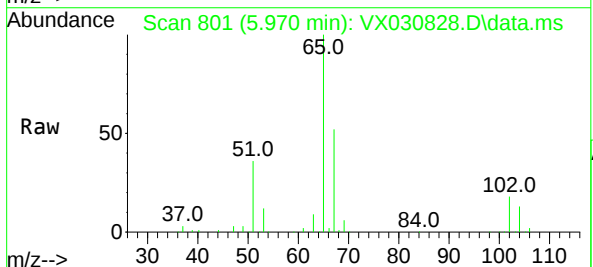


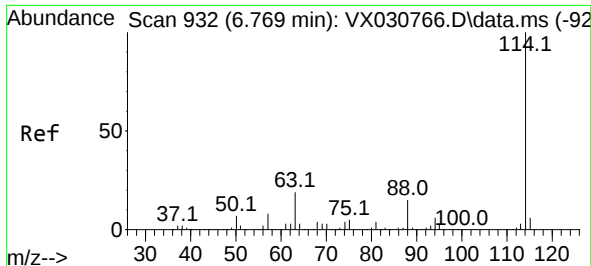
Tgt Ion: 56 Resp: 4304
Ion Ratio Lower Upper
56 100
69 139.4 25.4 38.0#
84 138.5 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 53.863 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.012 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

Tgt Ion: 65 Resp: 135093
Ion Ratio Lower Upper
65 100
67 53.2 0.0 109.6

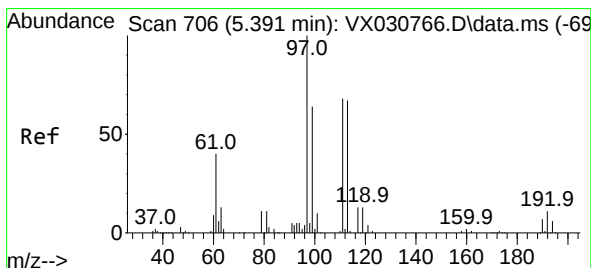
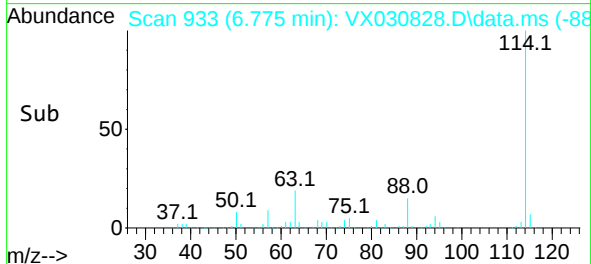
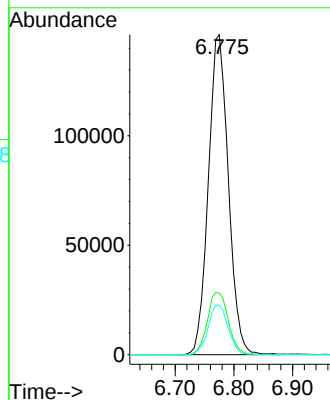
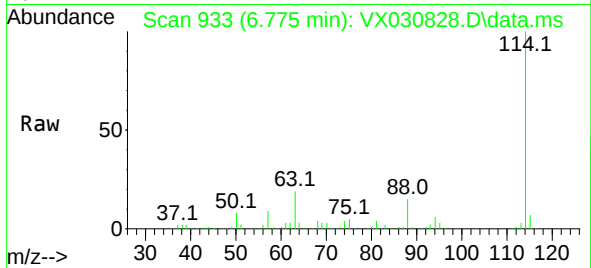




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

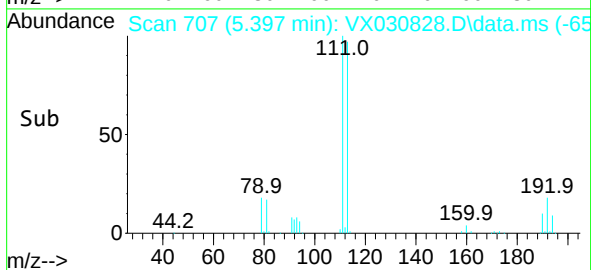
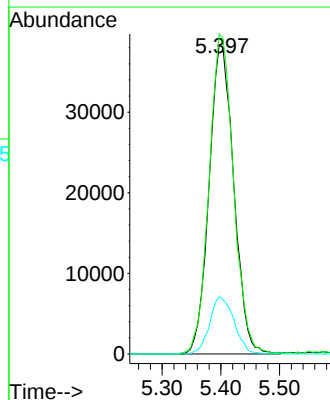
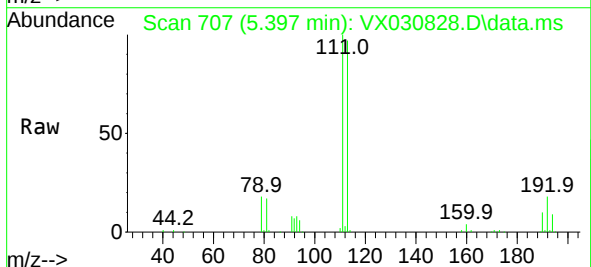
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816DL

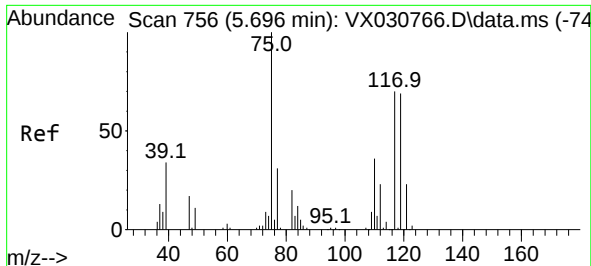
Tgt Ion:114 Resp: 345797
Ion Ratio Lower Upper
114 100
63 19.3 0.0 38.4
88 15.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.727 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

Tgt Ion:113 Resp: 112057
Ion Ratio Lower Upper
113 100
111 102.5 83.2 124.8
192 18.3 14.8 22.2

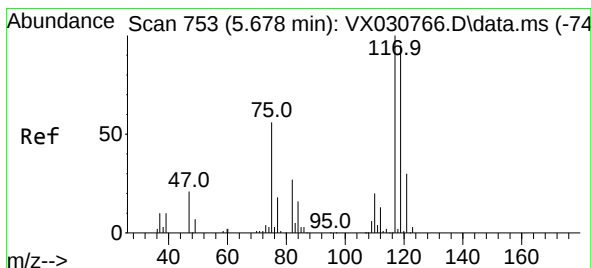
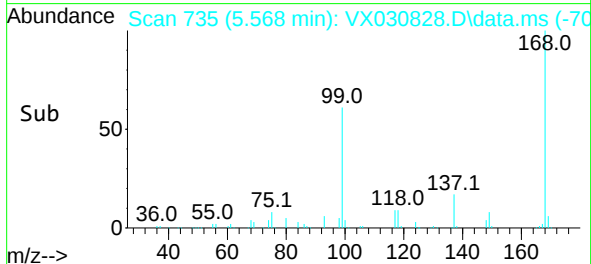
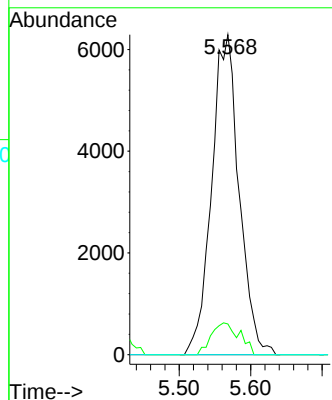
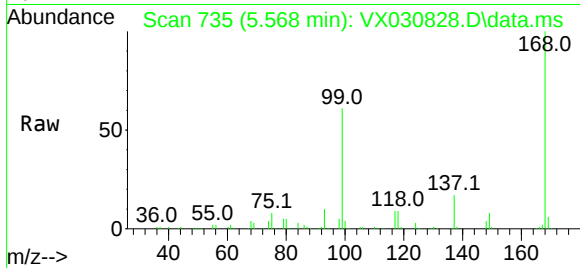




#36
1,1-Dichloropropene
Concen: 5.796 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

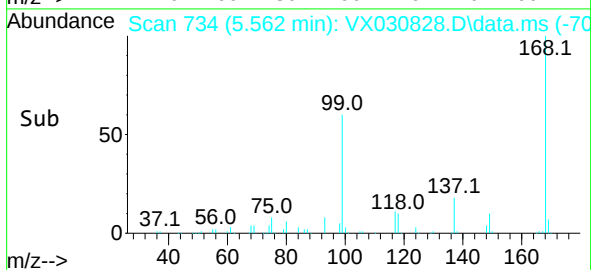
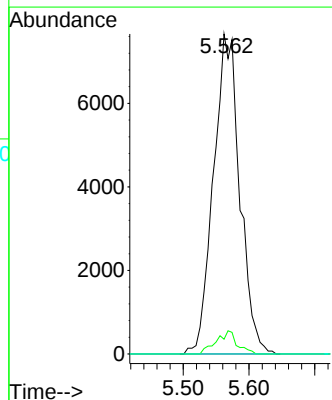
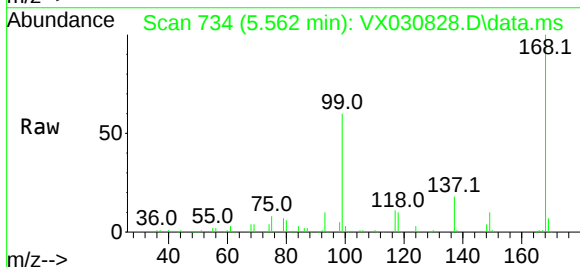
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816DL

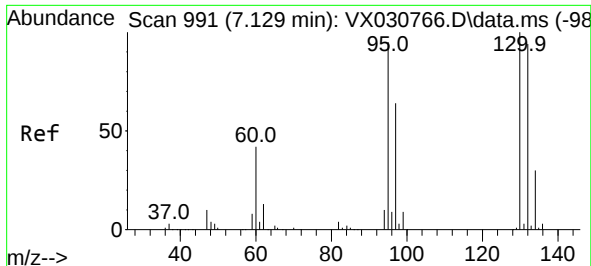
Tgt Ion: 75 Resp: 16774
Ion Ratio Lower Upper
75 100
110 10.2 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.991 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.116 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

Tgt Ion: 117 Resp: 21340
Ion Ratio Lower Upper
117 100
119 4.6 74.1 111.1#
121 0.0 25.8 38.8#

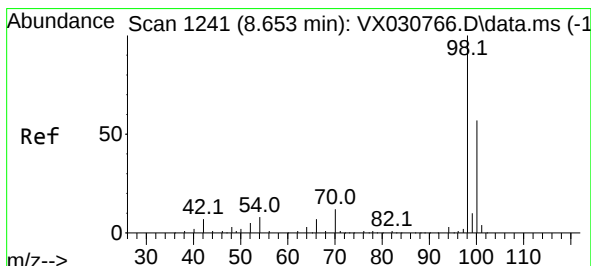
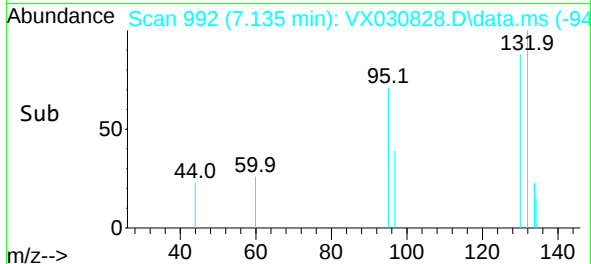
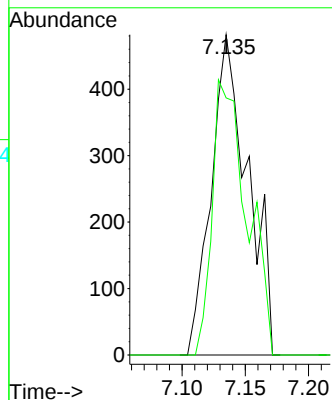
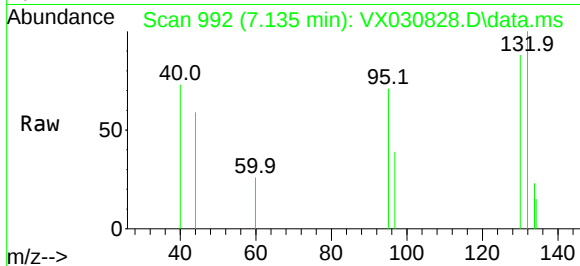




#44
Trichloroethene
Concen: 0.389 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

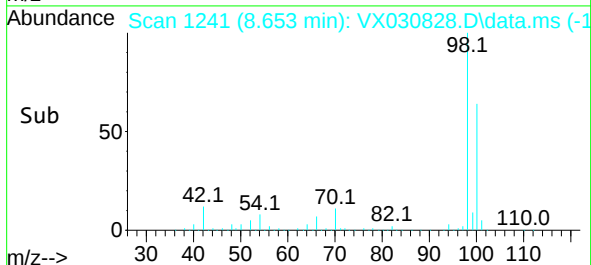
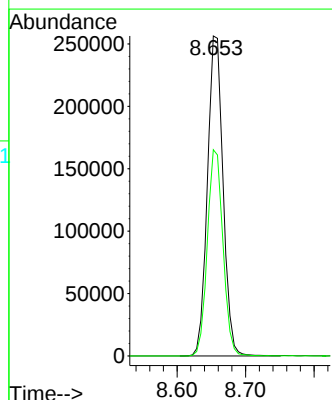
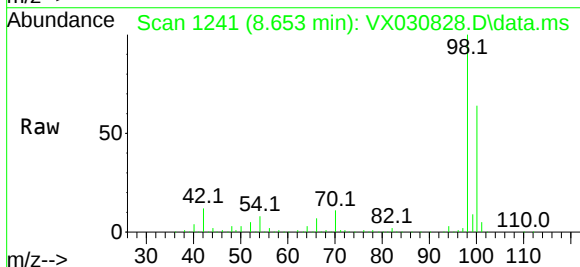
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816DL

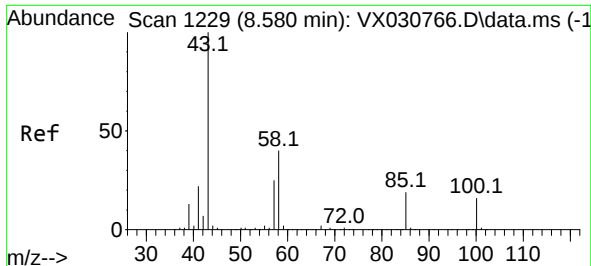
Tgt Ion:130 Resp: 973
Ion Ratio Lower Upper
130 100
95 80.3 0.0 194.8



#50
Toluene-d8
Concen: 55.014 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

Tgt Ion: 98 Resp: 407415
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 0.509 ug/l

RT: 8.659 min Scan# 11

Delta R.T. 0.079 min

Lab File: VX030828.D

Acq: 26 Aug 2022 16:38

Instrument :

MSVOA_X

ClientSampleId :

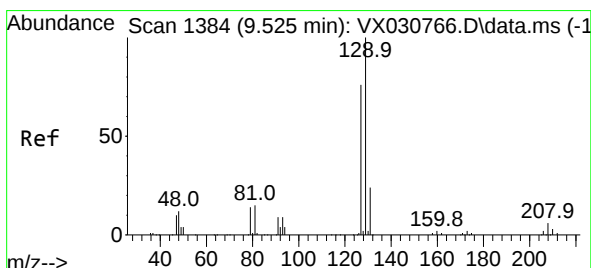
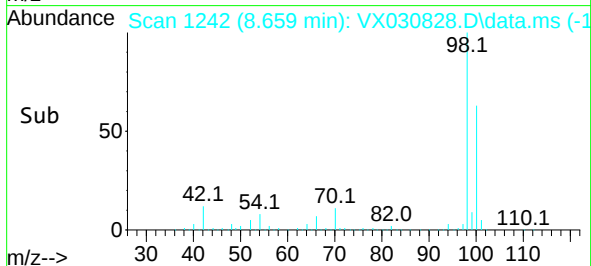
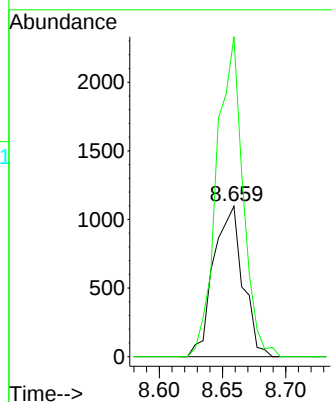
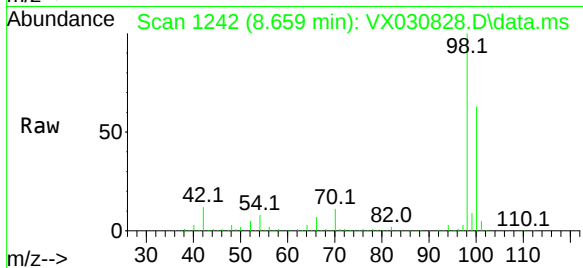
DUP04-20220816DL

Tgt Ion: 43 Resp: 1773

Ion Ratio Lower Upper

43 100

58 190.0 31.4 47.2#



#60

Dibromochloromethane

Concen: 2.843 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX030828.D

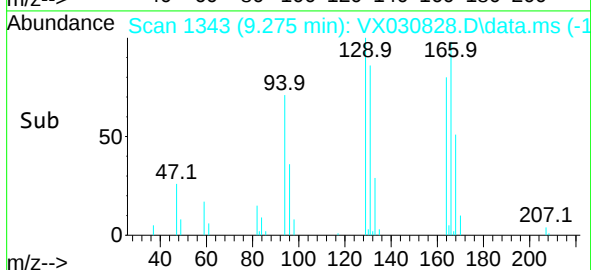
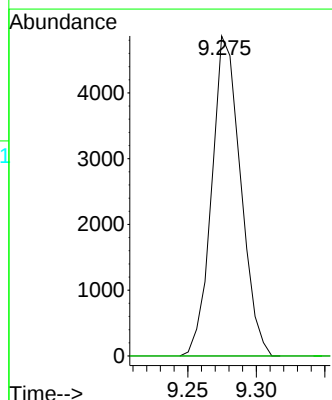
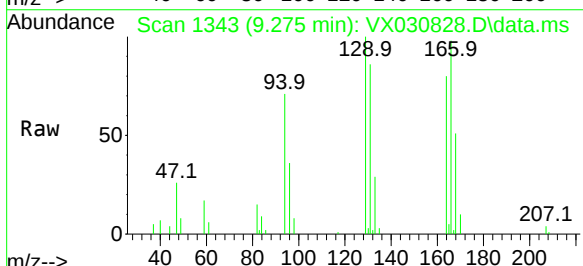
Acq: 26 Aug 2022 16:38

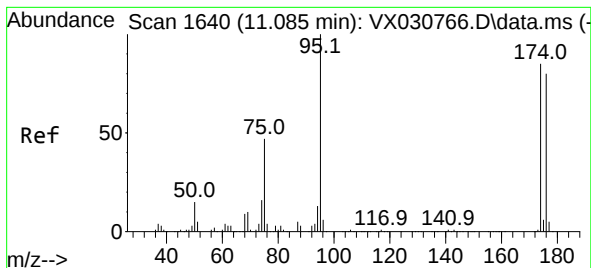
Tgt Ion: 129 Resp: 7121

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#

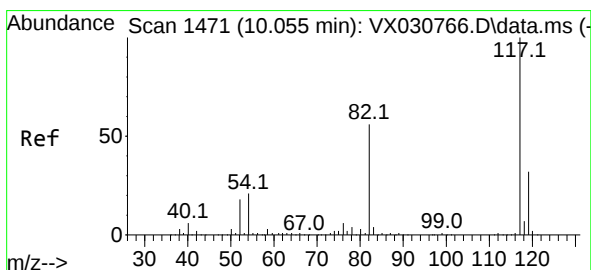
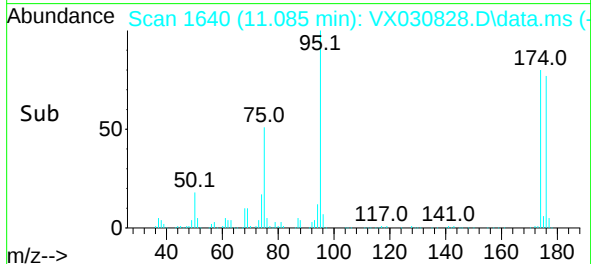
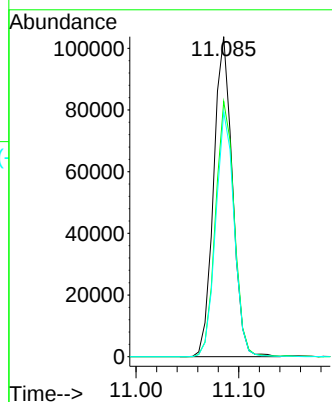
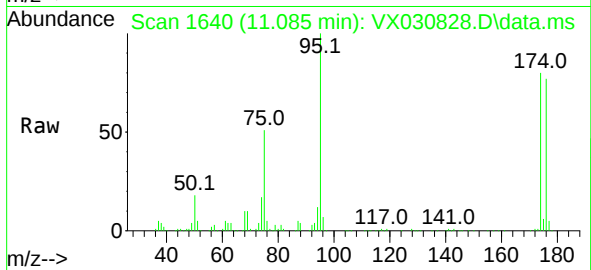




#62
4-Bromofluorobenzene
Concen: 47.783 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

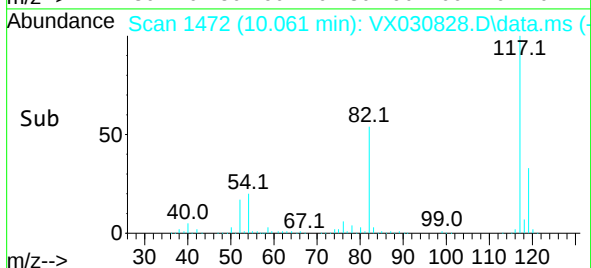
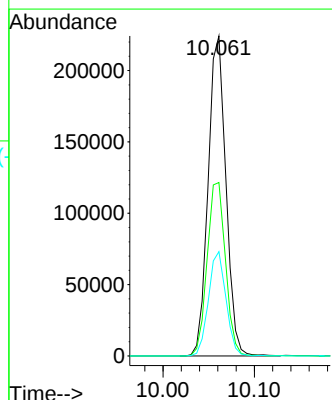
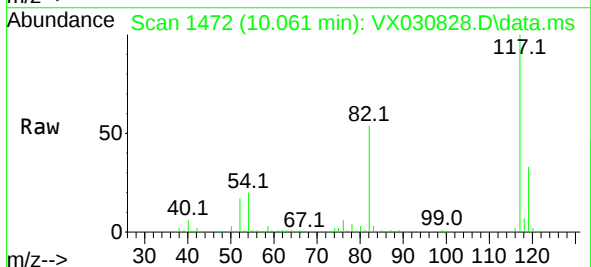
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816DL

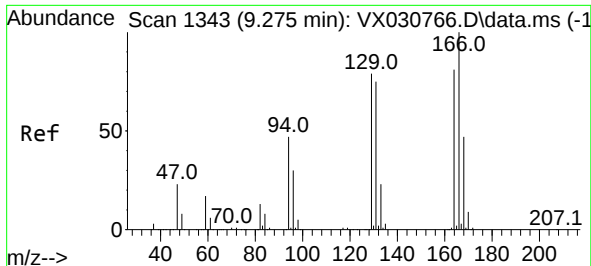
Tgt Ion: 95 Resp: 131744
Ion Ratio Lower Upper
95 100
174 79.6 0.0 149.0
176 75.0 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

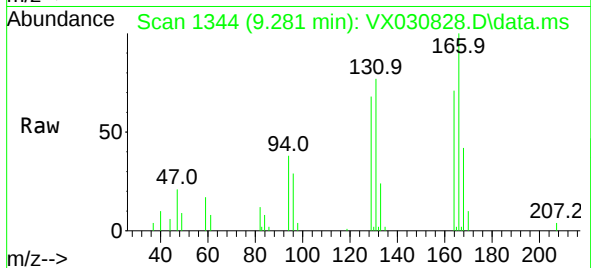
Tgt Ion: 117 Resp: 302759
Ion Ratio Lower Upper
117 100
82 54.2 42.7 64.1
119 32.6 25.4 38.2



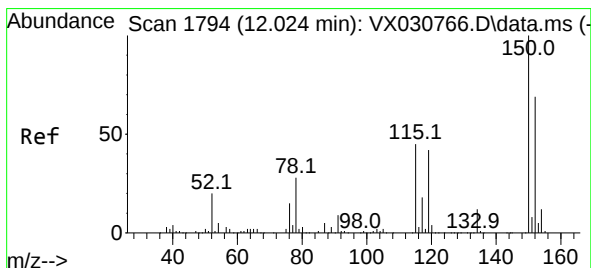
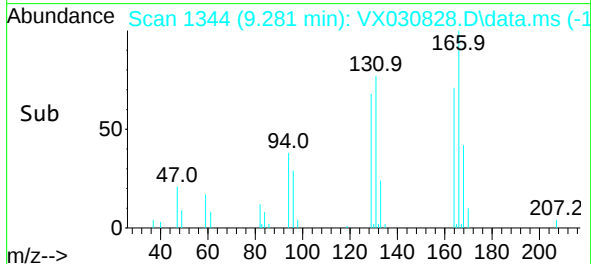
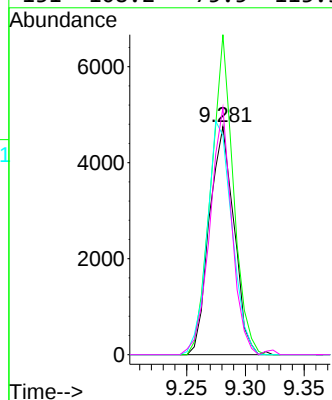


#64
Tetrachloroethene
Concen: 2.900 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220816DL

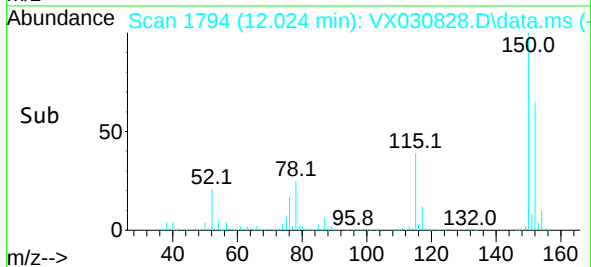
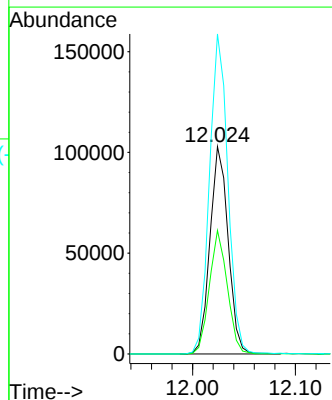
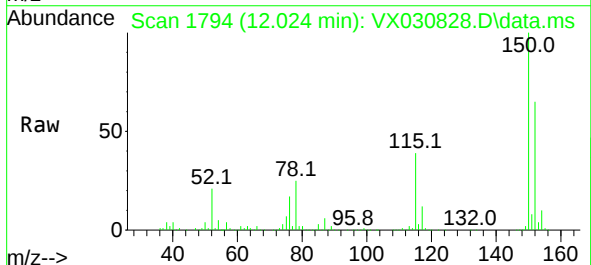


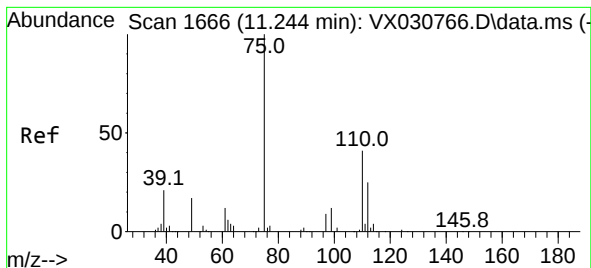
Tgt Ion:164 Resp: 6917
Ion Ratio Lower Upper
164 100
166 140.2 98.2 147.4
129 96.0 80.8 121.2
131 108.2 75.5 113.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030828.D
Acq: 26 Aug 2022 16:38

Tgt Ion:152 Resp: 126574
Ion Ratio Lower Upper
152 100
115 58.6 40.5 121.5
150 156.4 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 23.755 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX030828.D

Acq: 26 Aug 2022 16:38

Instrument :

MSVOA_X

ClientSampleId :

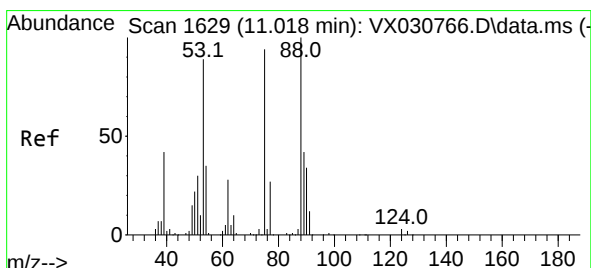
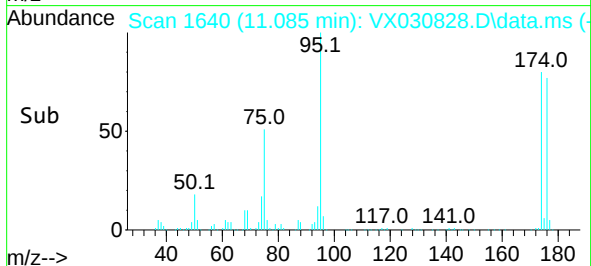
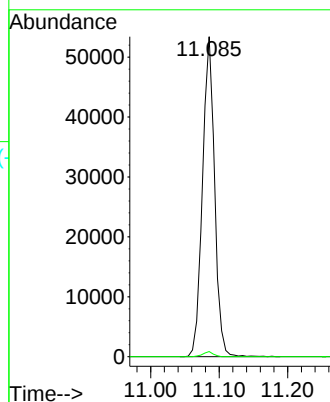
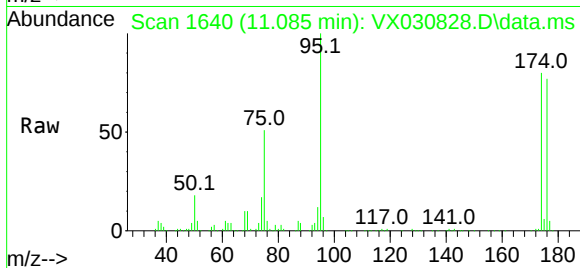
DUP04-20220816DL

Tgt Ion: 75 Resp: 65875

Ion Ratio Lower Upper

75 100

77 1.4 19.8 59.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.645 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.067 min

Lab File: VX030828.D

Acq: 26 Aug 2022 16:38

Tgt Ion: 75 Resp: 65875

Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.0 34.8 52.2#

