

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112222\
 Data File : VX032991.D
 Acq On : 22 Nov 2022 20:18
 Operator : JC/MD
 Sample : N5729-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20221117

Quant Time: Nov 23 05:50:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

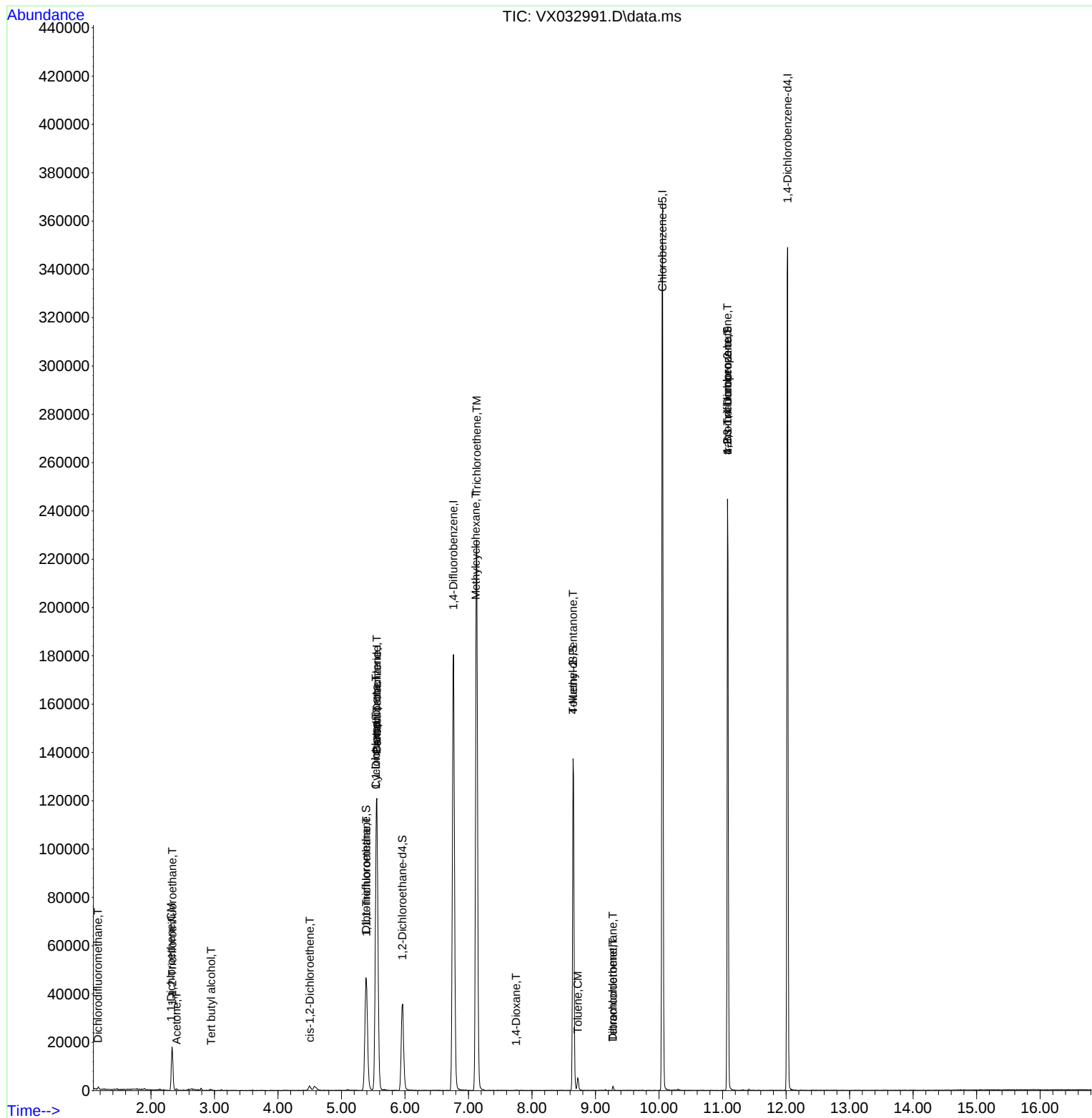
Internal Standards						
1) Pentafluorobenzene	5.556	168	113869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	182810	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	161990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	36558	31.710	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	63.420%#		
35) Dibromofluoromethane	5.385	113	40071	38.881	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	77.760%		
50) Toluene-d8	8.647	98	82902	25.685	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	51.380%#		
62) 4-Bromofluorobenzene	11.079	95	61319	45.293	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.580%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	548	0.630	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.337	101	6084	5.703	ug/l	97
11) Tert butyl alcohol	2.947	59	234	1.331	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	737	0.742	ug/l #	86
16) Acetone	2.404	43	666	1.286	ug/l #	84
20) Methylene Chloride	2.794	84	364	Below Cal	#	62
27) cis-1,2-Dichloroethene	4.501	96	1120	0.867	ug/l	97
31) Cyclohexane	5.544	56	2675	1.489	ug/l #	50
32) 1,1,1-Trichloroethane	5.391	97	932	0.465	ug/l #	49
36) 1,1-Dichloropropene	5.544	75	8919	5.412	ug/l #	50
38) Carbon Tetrachloride	5.556	117	12193	6.670	ug/l #	15
39) Methylcyclohexane	7.117	83	1036	0.551	ug/l #	1
44) Trichloroethene	7.129	130	87913	67.807	ug/l	100
49) 1,4-Dioxane	7.751	88	245	10.875	ug/l #	32
51) 4-Methyl-2-Pentanone	8.647	43	390	0.266	ug/l #	1
52) Toluene	8.720	92	2087	0.687	ug/l	97
60) Dibromochloromethane	9.275	129	268	0.201	ug/l #	11
64) Tetrachloroethene	9.275	164	253	0.221	ug/l #	81
76) 1,2,3-Trichloropropane	11.079	75	33707	23.972	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33707	77.920	ug/l #	6

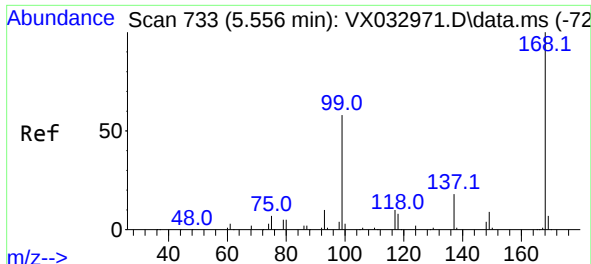
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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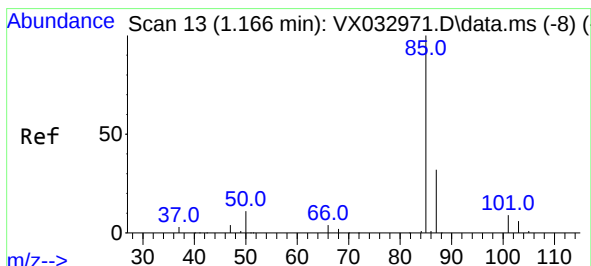
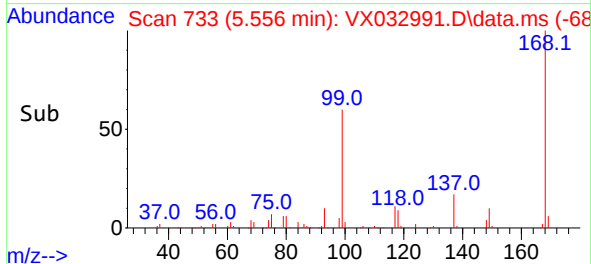
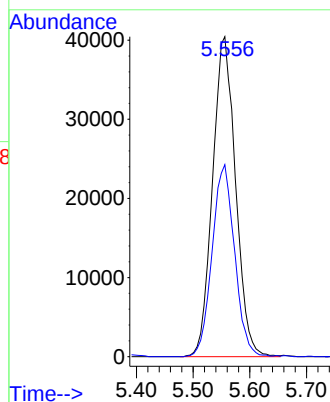
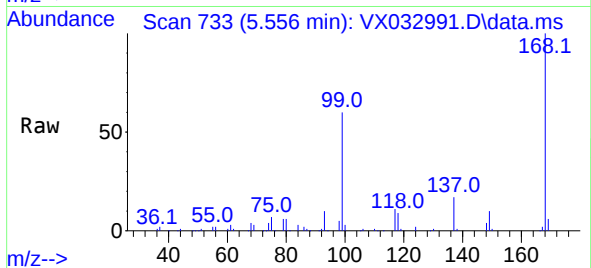




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

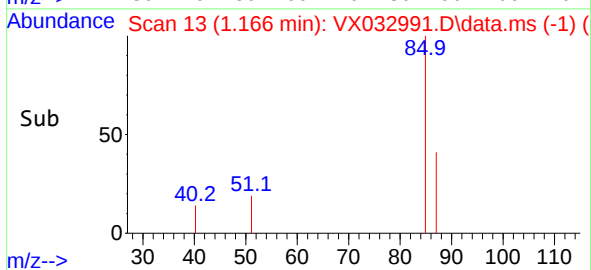
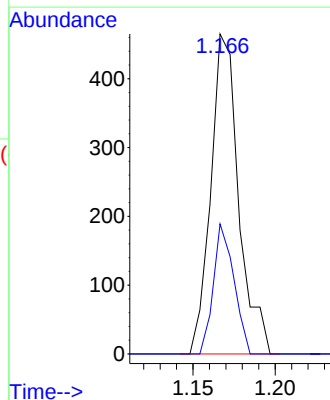
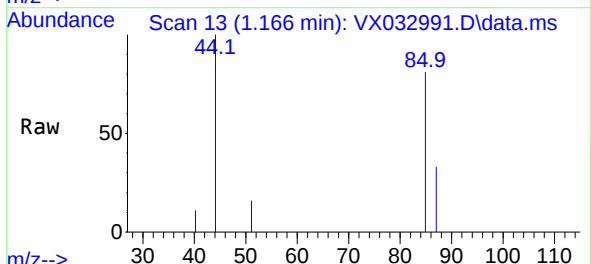
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20221117

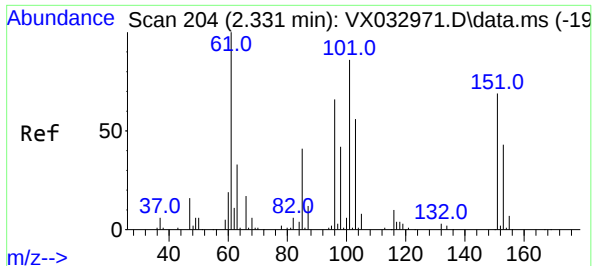
Tgt Ion:168 Resp: 113869
Ion Ratio Lower Upper
168 100
99 60.0 46.1 69.1



#2
Dichlorodifluoromethane
Concen: 0.630 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

Tgt Ion: 85 Resp: 548
Ion Ratio Lower Upper
85 100
87 40.6 15.6 46.7

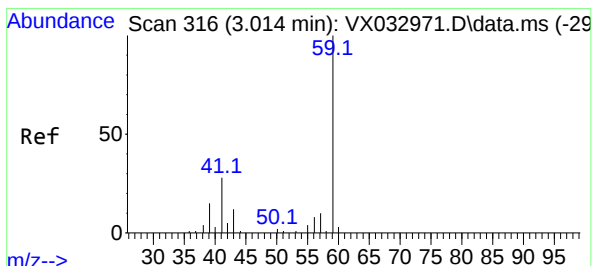
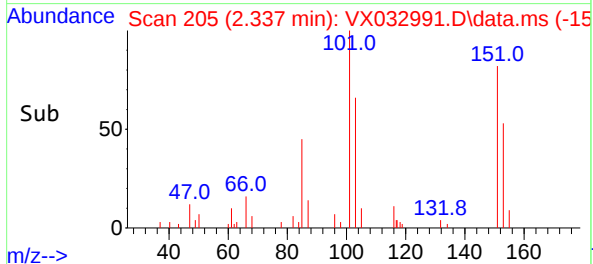
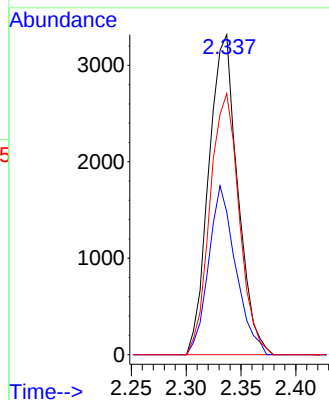
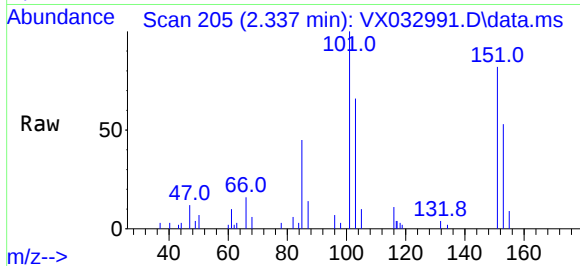




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.703 ug/l
RT: 2.337 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

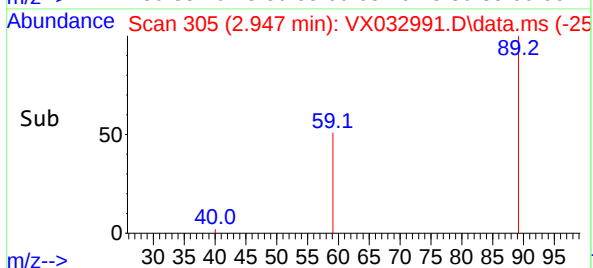
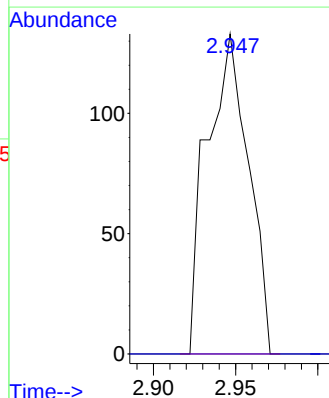
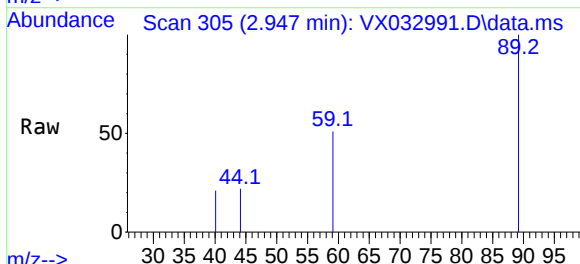
Instrument :
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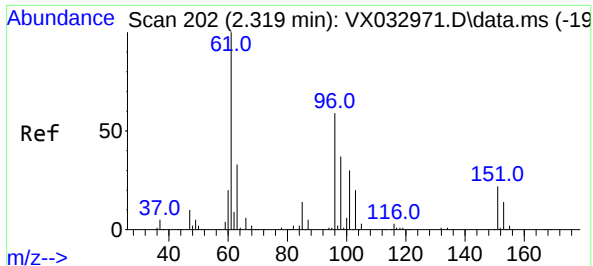
Tgt Ion:	101	Resp:	6084
Ion	Ratio	Lower	Upper
101	100		
85	49.5	37.0	55.4
151	82.5	64.4	96.6



#11
Tert butyl alcohol
Concen: 1.331 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

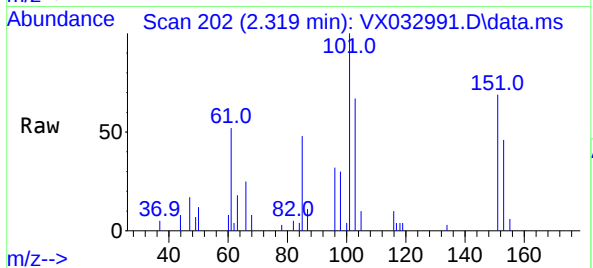
Tgt Ion:	59	Resp:	234
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#



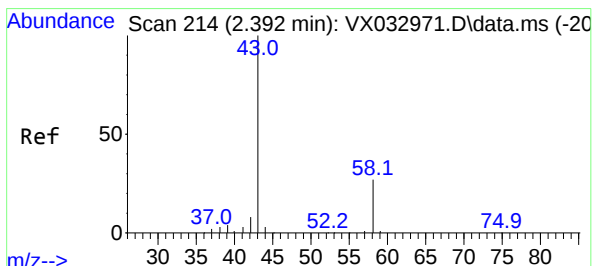
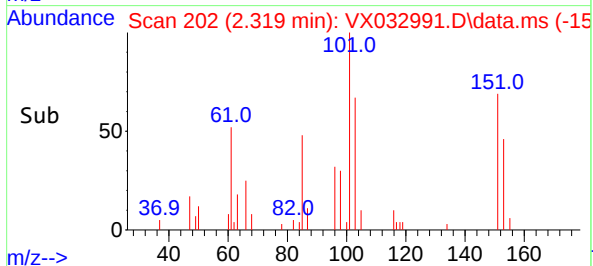
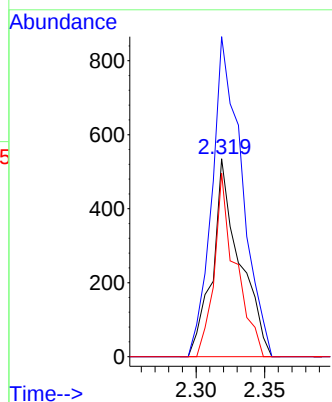


#12
1,1-Dichloroethene
Concen: 0.742 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20221117

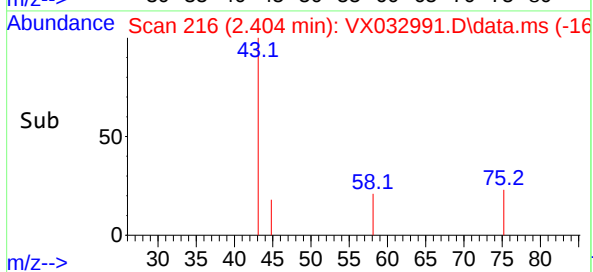
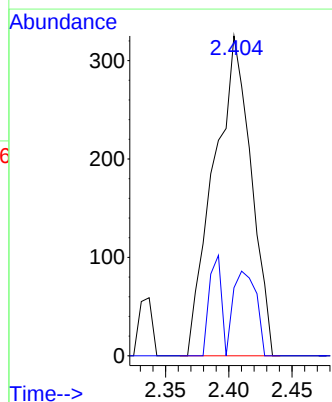
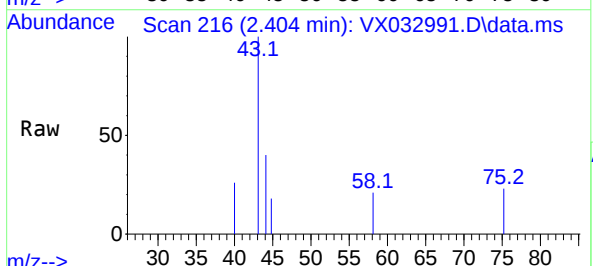


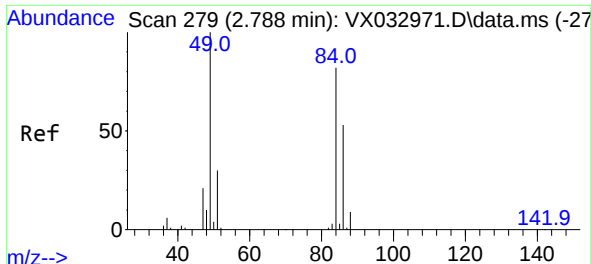
Tgt Ion: 96 Resp: 737
Ion Ratio Lower Upper
96 100
61 161.7 125.1 187.7
98 92.7 50.6 76.0#



#16
Acetone
Concen: 1.286 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.024 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

Tgt Ion: 43 Resp: 666
Ion Ratio Lower Upper
43 100
58 21.2 23.8 35.8#

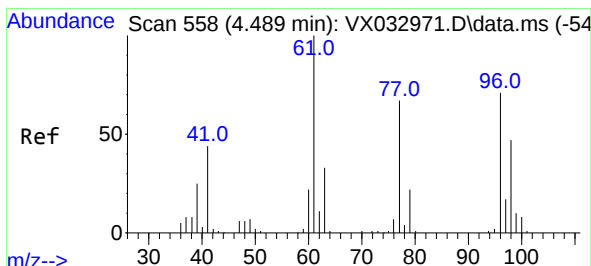
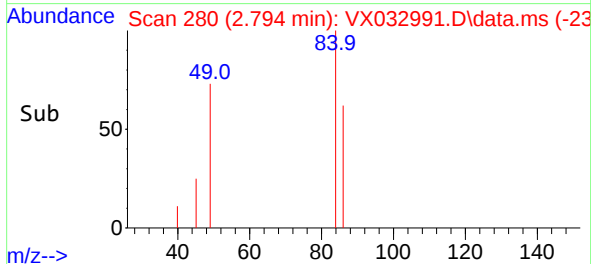
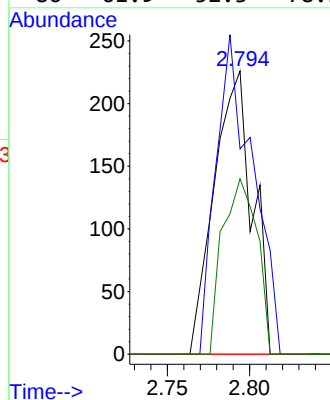
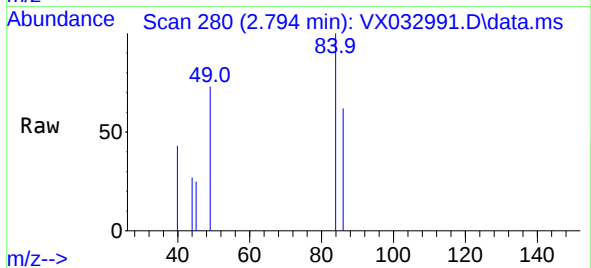




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

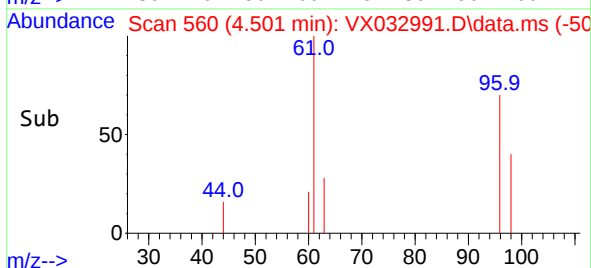
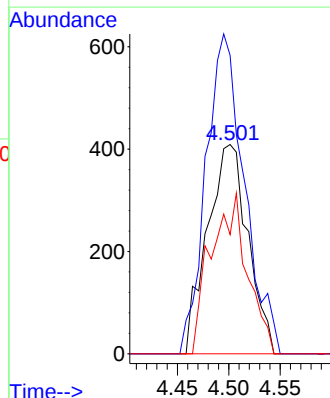
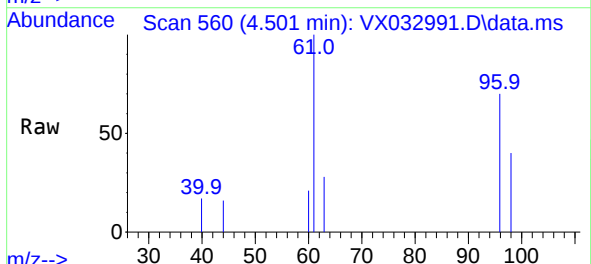
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20221117

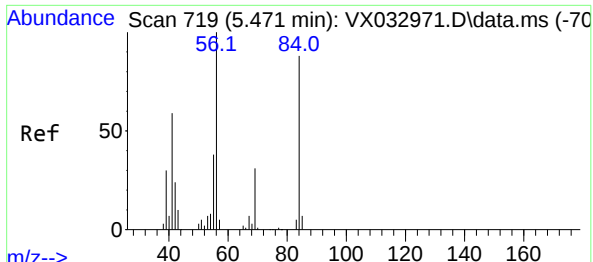
Tgt Ion: 84 Resp: 364
Ion Ratio Lower Upper
84 100
49 72.6 101.0 151.6#
51 0.0 31.1 46.7#
86 61.9 52.3 78.5



#27
cis-1,2-Dichloroethene
Concen: 0.867 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.012 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

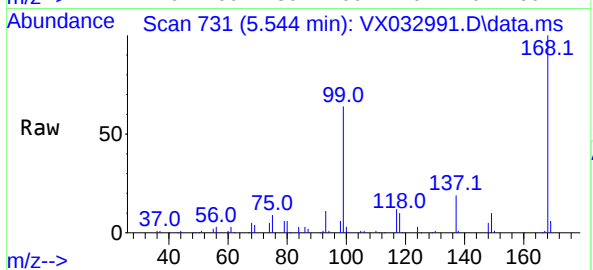
Tgt Ion: 96 Resp: 1120
Ion Ratio Lower Upper
96 100
61 144.7 0.0 286.0
98 68.8 0.0 129.6



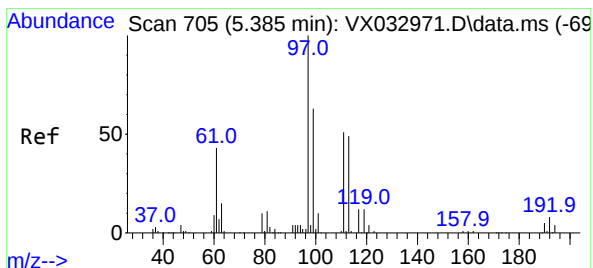
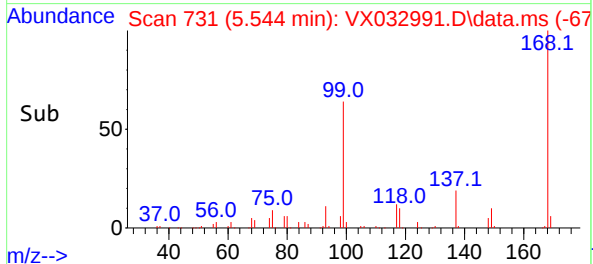
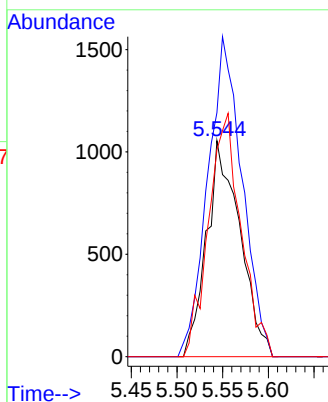


#31
Cyclohexane
Concen: 1.489 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20221117

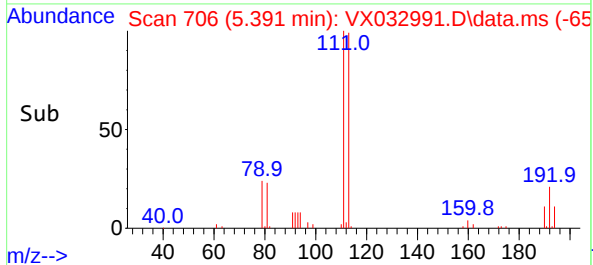
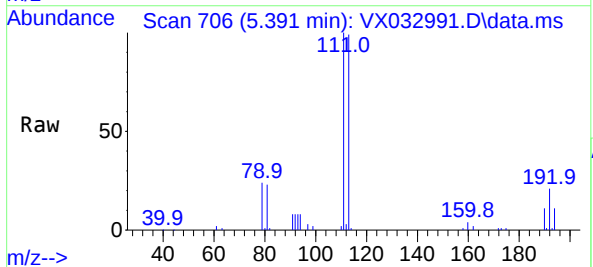
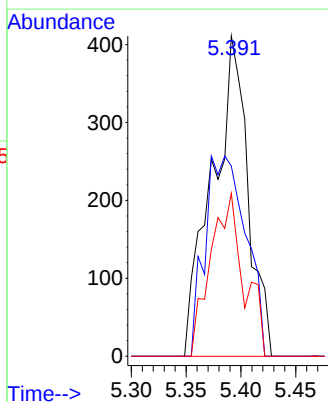


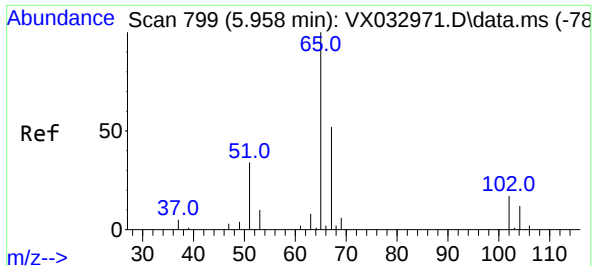
Tgt Ion: 56 Resp: 2675
Ion Ratio Lower Upper
56 100
69 113.0 24.1 36.1#
84 95.7 66.9 100.3



#32
1,1,1-Trichloroethane
Concen: 0.465 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

Tgt Ion: 97 Resp: 932
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.0#
61 47.7 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 31.710 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032991.D

Acq: 22 Nov 2022 20:18

Instrument :

MSVOA_X

ClientSampleId :

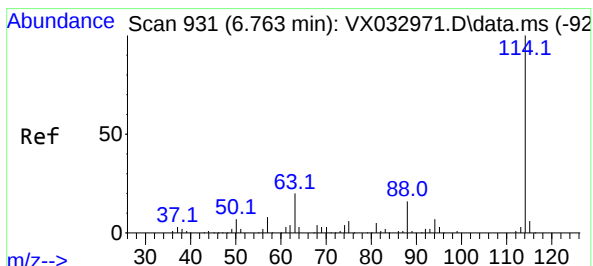
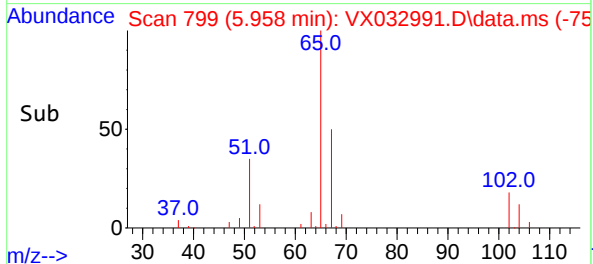
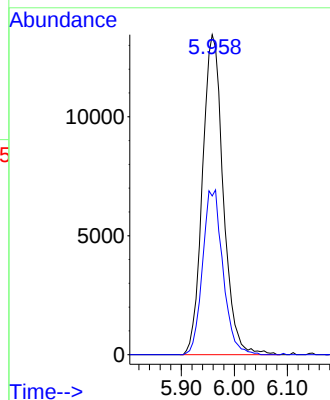
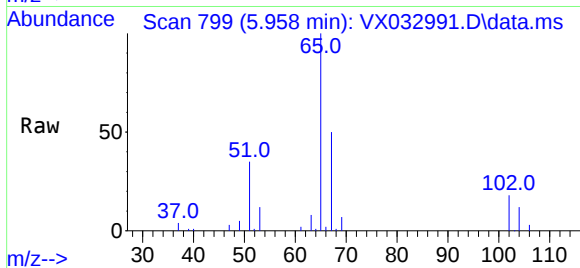
DUP02-20221117

Tgt Ion: 65 Resp: 36558

Ion Ratio Lower Upper

65 100

67 50.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX032991.D

Acq: 22 Nov 2022 20:18

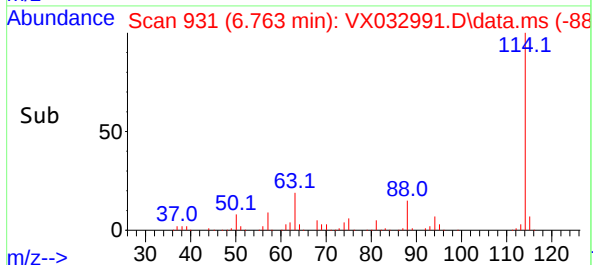
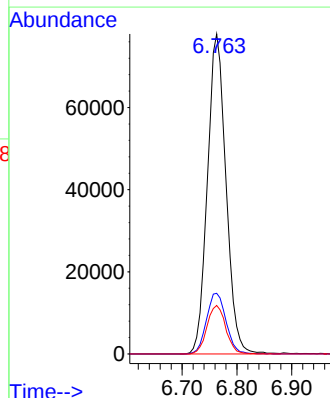
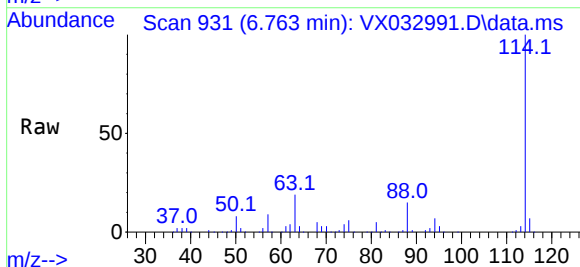
Tgt Ion: 114 Resp: 182810

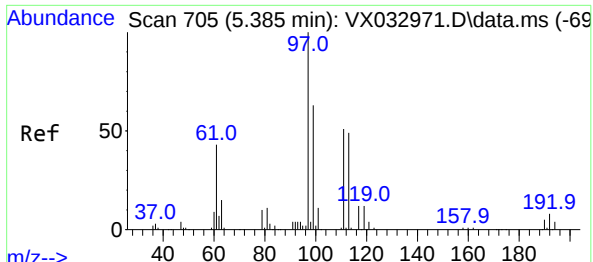
Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.6

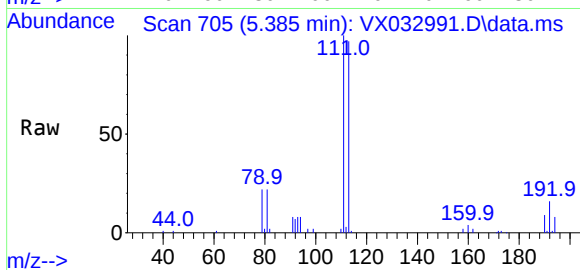
88 15.1 0.0 33.4



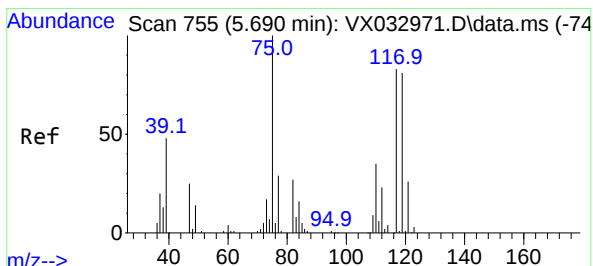
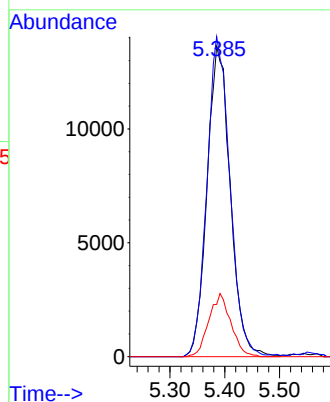
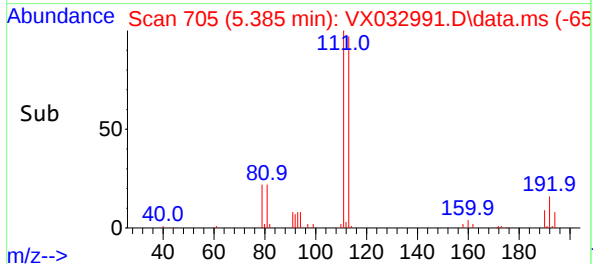


#35
Dibromofluoromethane
Concen: 38.881 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

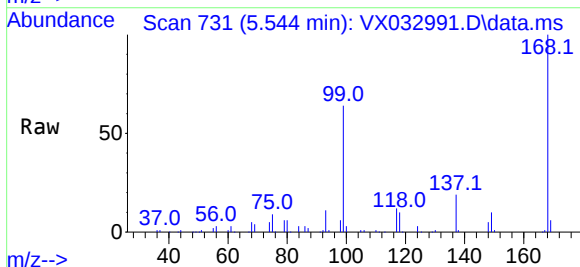
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MSVOA_X
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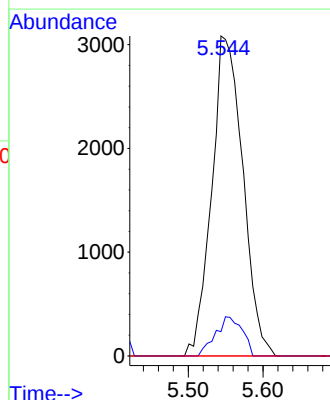
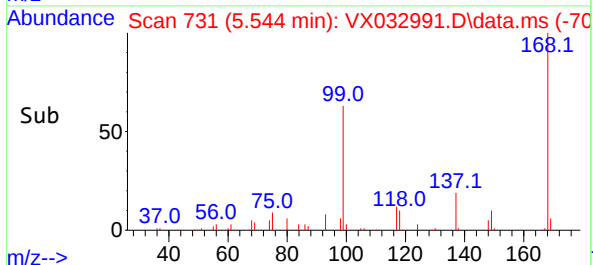
Tgt Ion:113 Resp: 40071
Ion Ratio Lower Upper
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111 102.0 82.4 123.6
192 19.3 15.4 23.2

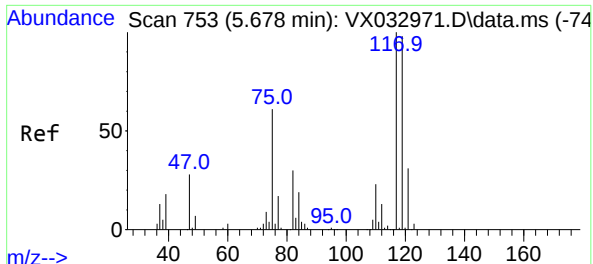


#36
1,1-Dichloropropene
Concen: 5.412 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.152 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18



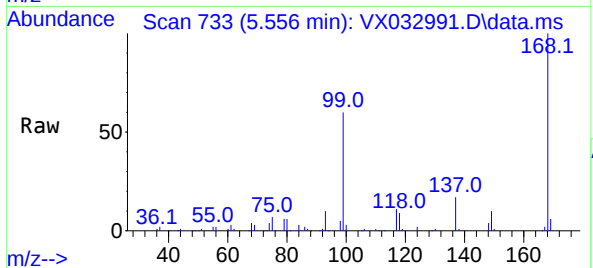
Tgt Ion: 75 Resp: 8919
Ion Ratio Lower Upper
75 100
110 10.5 18.4 55.2#
77 0.0 24.5 36.7#



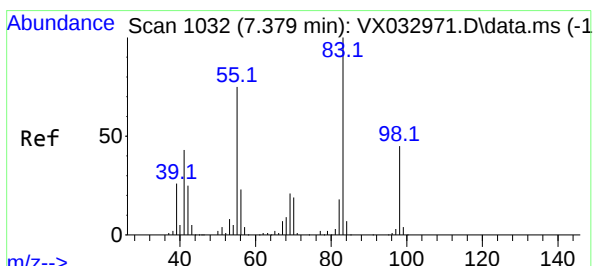
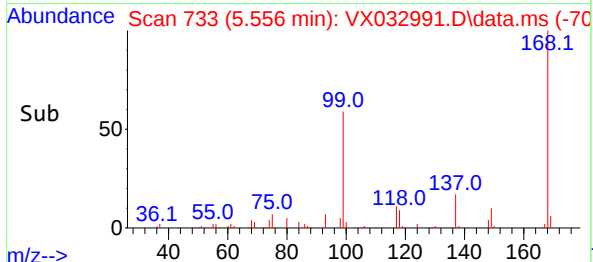
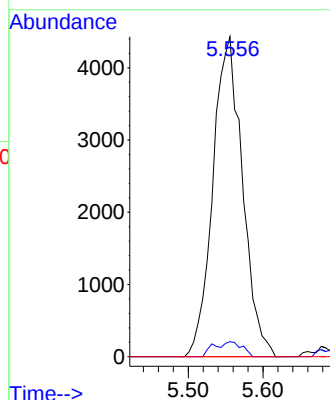


#38
Carbon Tetrachloride
Concen: 6.670 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20221117

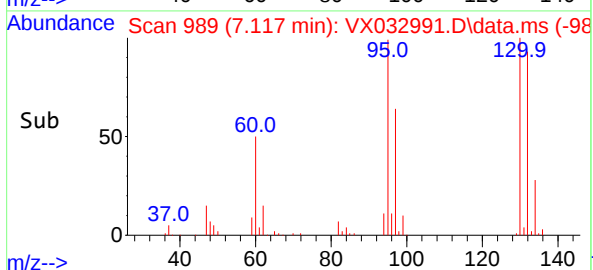
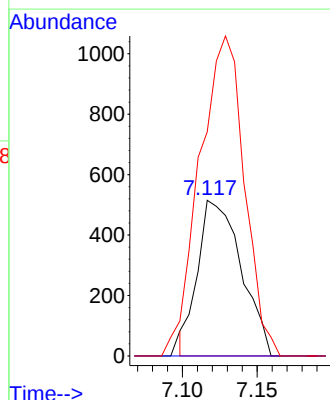
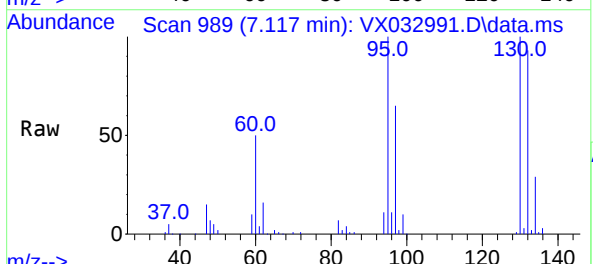


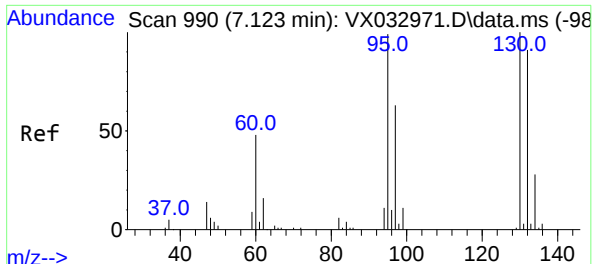
Tgt Ion:117 Resp: 12193
Ion Ratio Lower Upper
117 100
119 4.7 77.2 115.8#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 0.551 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.268 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

Tgt Ion: 83 Resp: 1036
Ion Ratio Lower Upper
83 100
55 0.0 58.4 87.6#
98 144.1 37.2 55.8#

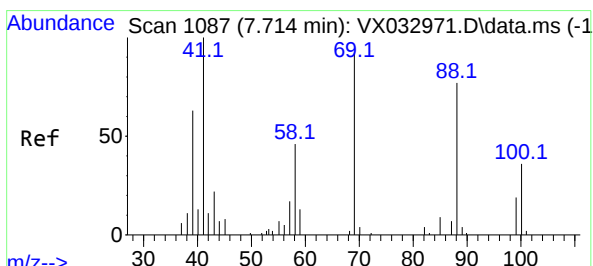
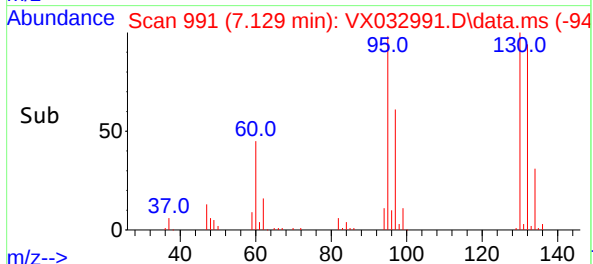
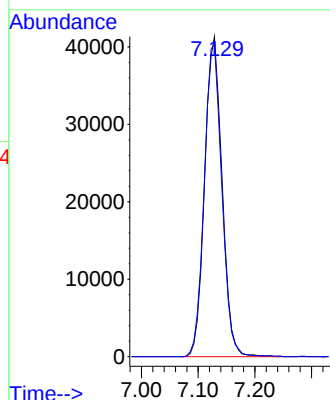
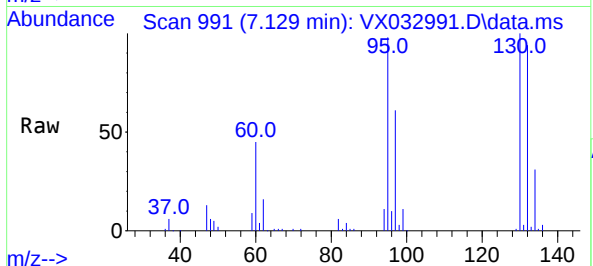




#44
Trichloroethene
Concen: 67.807 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

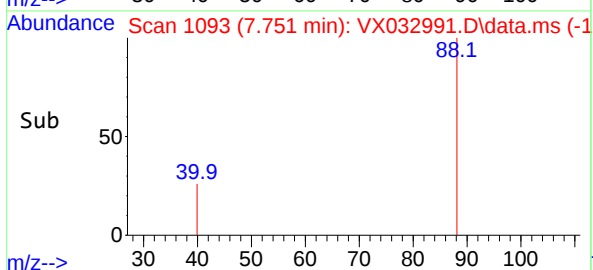
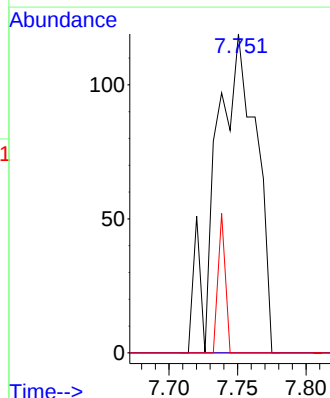
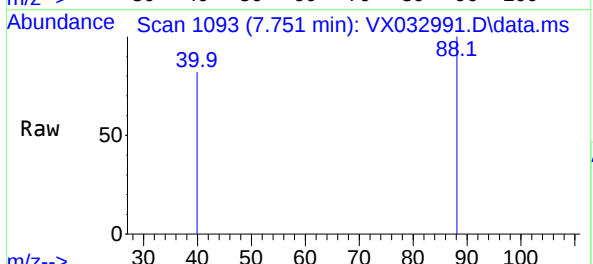
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20221117

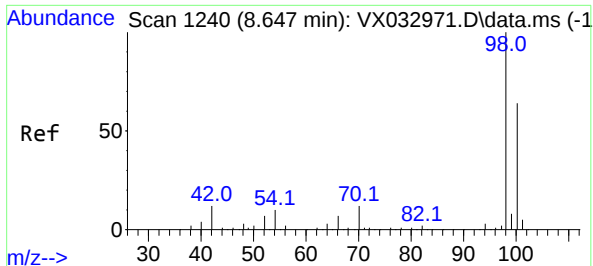
Tgt Ion:130 Resp: 87913
Ion Ratio Lower Upper
130 100
95 97.7 0.0 195.2



#49
1,4-Dioxane
Concen: 10.875 ug/l
RT: 7.751 min Scan# 1093
Delta R.T. 0.080 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

Tgt Ion: 88 Resp: 245
Ion Ratio Lower Upper
88 100
43 0.0 26.6 39.8#
58 7.8 51.7 77.5#

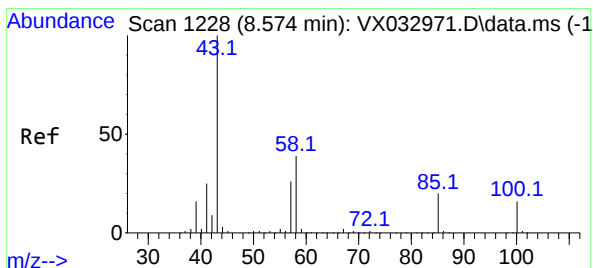
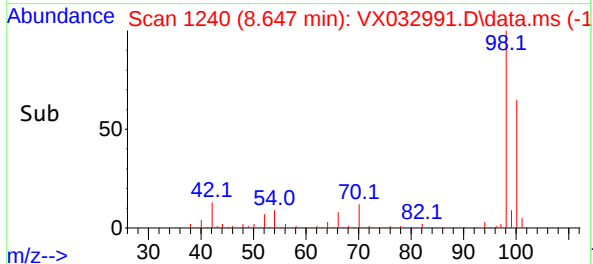
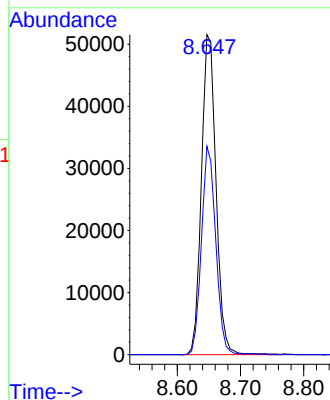
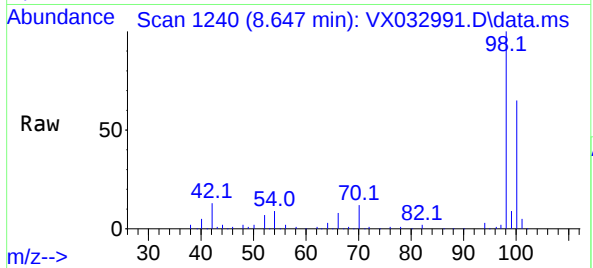




#50
Toluene-d8
Concen: 25.685 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

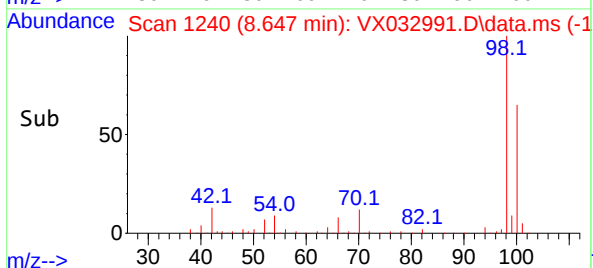
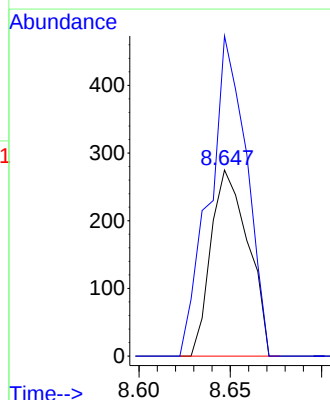
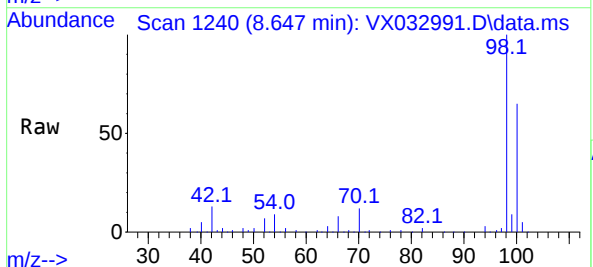
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20221117

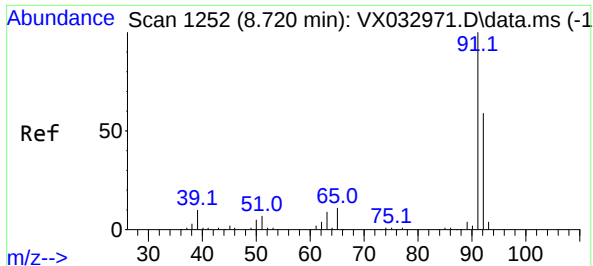
Tgt Ion: 98 Resp: 82902
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.266 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

Tgt Ion: 43 Resp: 390
Ion Ratio Lower Upper
43 100
58 171.8 30.9 46.3#

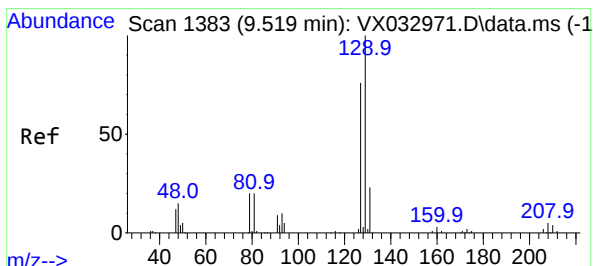
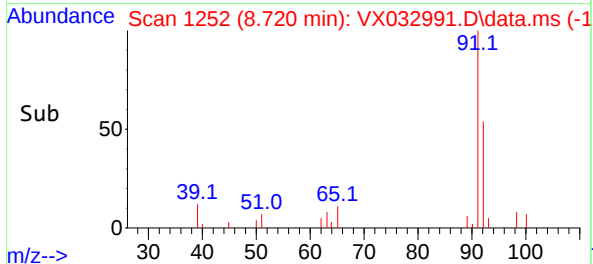
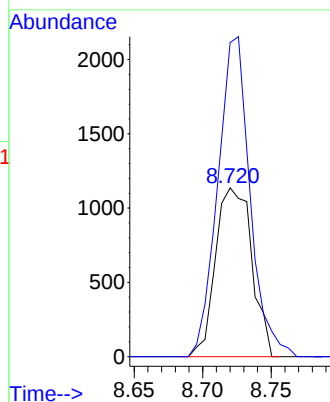
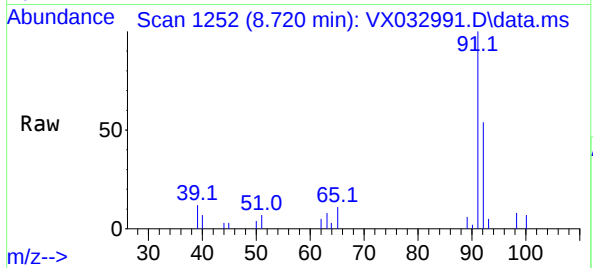




#52
Toluene
Concen: 0.687 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

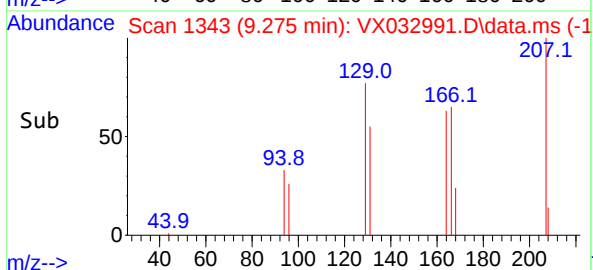
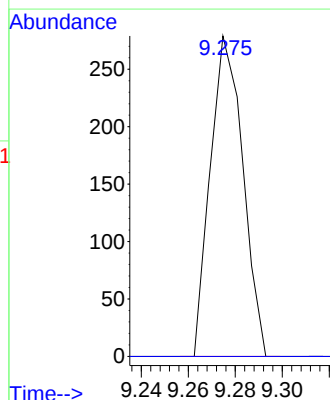
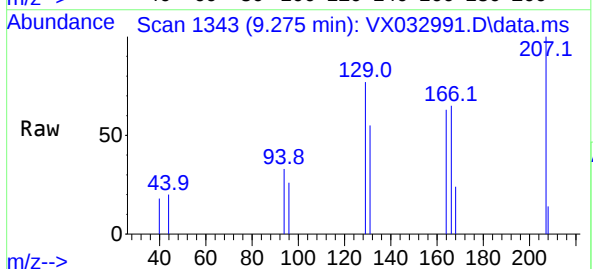
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20221117

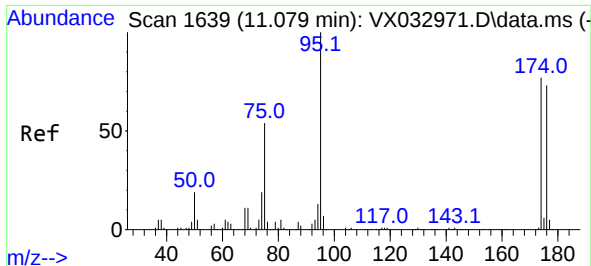
Tgt Ion: 92 Resp: 2087
Ion Ratio Lower Upper
92 100
91 169.3 138.3 207.5



#60
Dibromochloromethane
Concen: 0.201 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

Tgt Ion: 129 Resp: 268
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

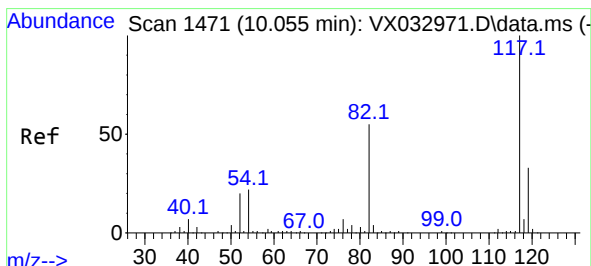
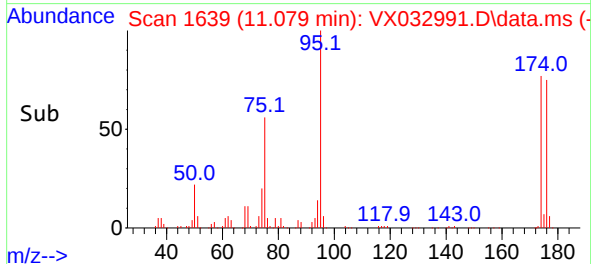
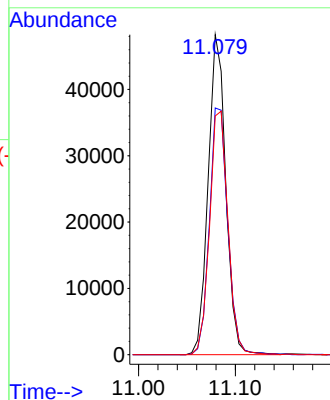
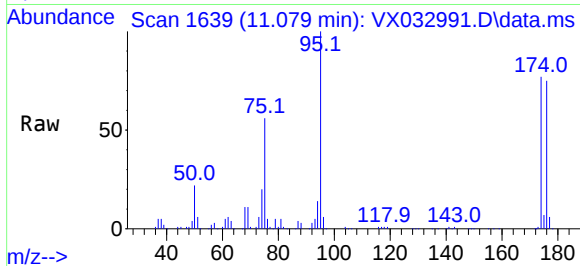




#62
4-Bromofluorobenzene
Concen: 45.293 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

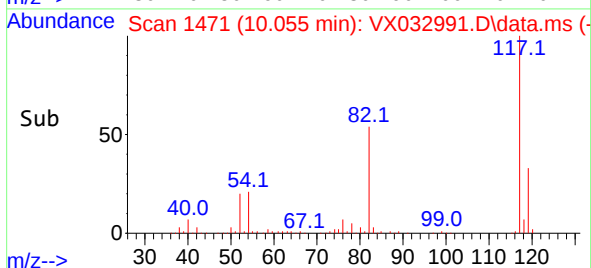
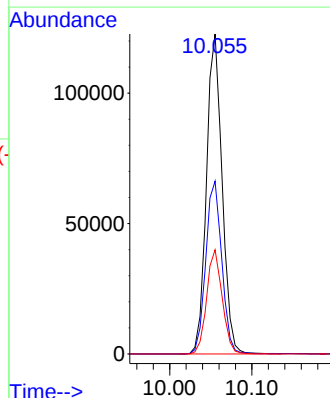
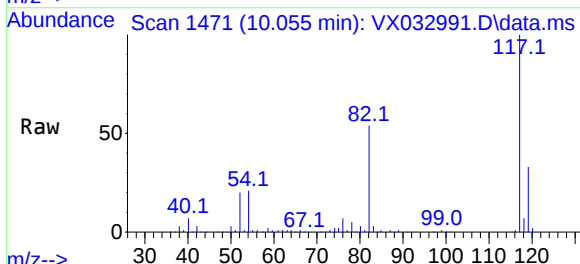
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20221117

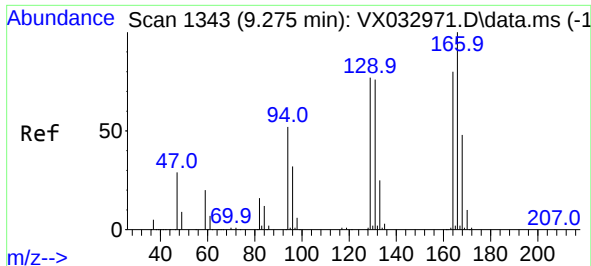
Tgt Ion: 95 Resp: 61319
Ion Ratio Lower Upper
95 100
174 80.3 0.0 164.0
176 79.2 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

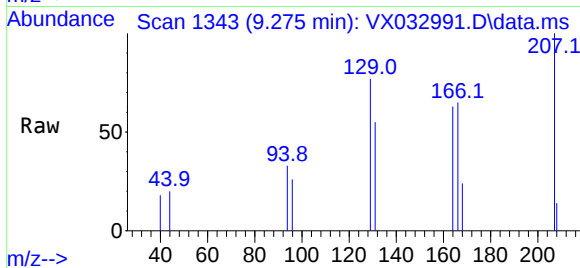
Tgt Ion: 117 Resp: 161990
Ion Ratio Lower Upper
117 100
82 54.0 44.3 66.5
119 32.5 25.7 38.5



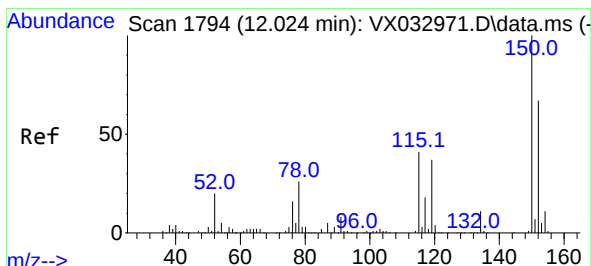
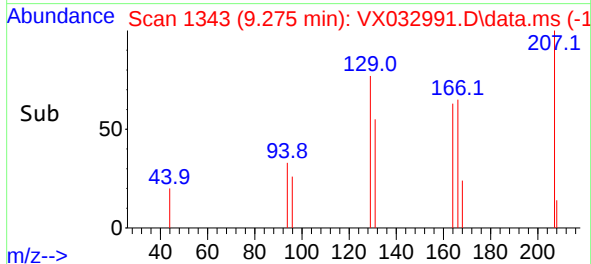
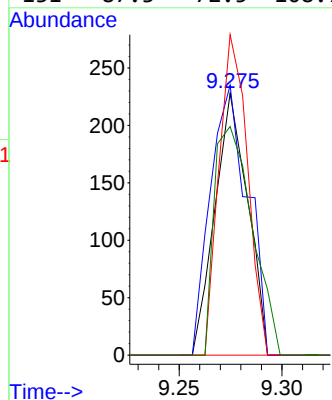


#64
Tetrachloroethene
Concen: 0.221 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20221117

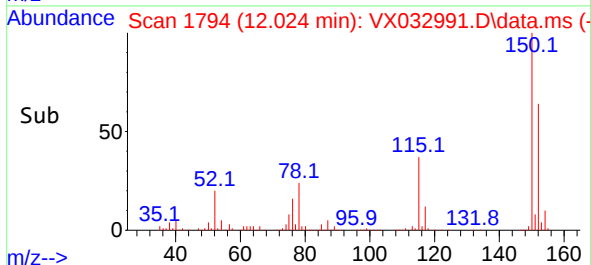
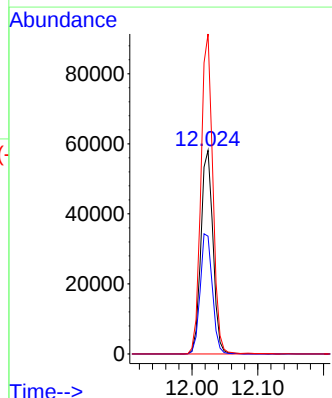
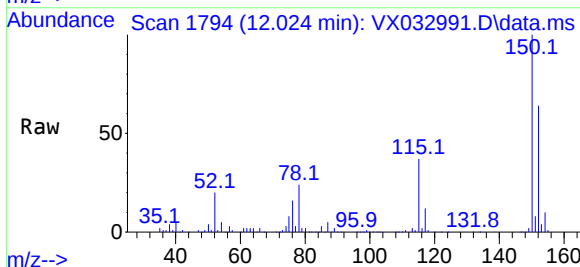


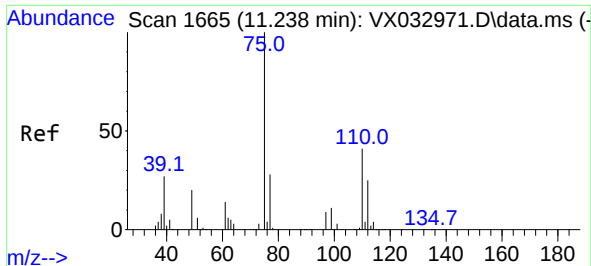
Tgt Ion:164 Resp: 253
Ion Ratio Lower Upper
164 100
166 103.1 105.4 158.2#
129 122.4 78.2 117.2#
131 87.3 72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

Tgt Ion:152 Resp: 74246
Ion Ratio Lower Upper
152 100
115 59.5 44.0 132.0
150 154.1 0.0 351.8

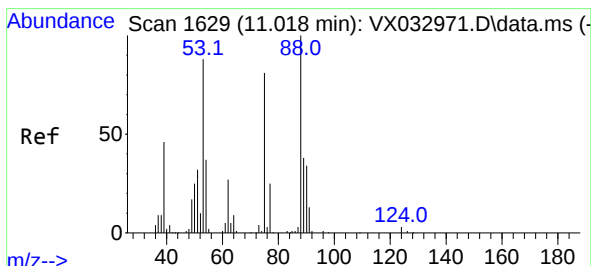
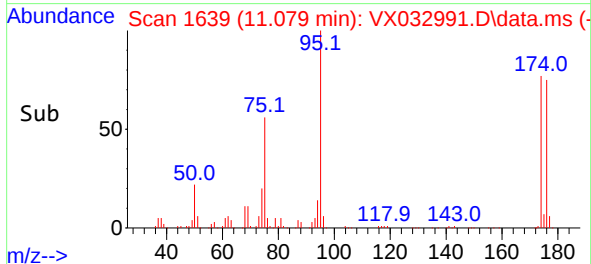
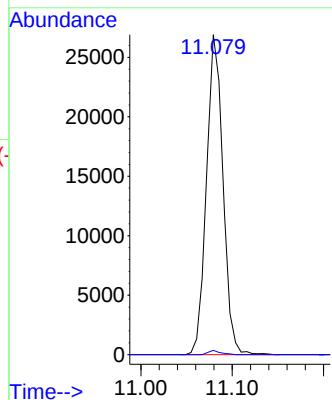
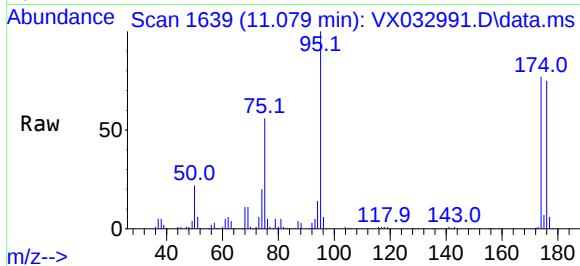




#76
1,2,3-Trichloropropane
Concen: 23.972 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20221117

Tgt Ion: 75 Resp: 33707
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.920 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032991.D
Acq: 22 Nov 2022 20:18

Tgt Ion: 75 Resp: 33707
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

