

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052522\
 Data File : VX028949.D
 Acq On : 25 May 2022 14:41
 Operator : JC/MD
 Sample : N2983-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20220520

Quant Time: May 26 05:44:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

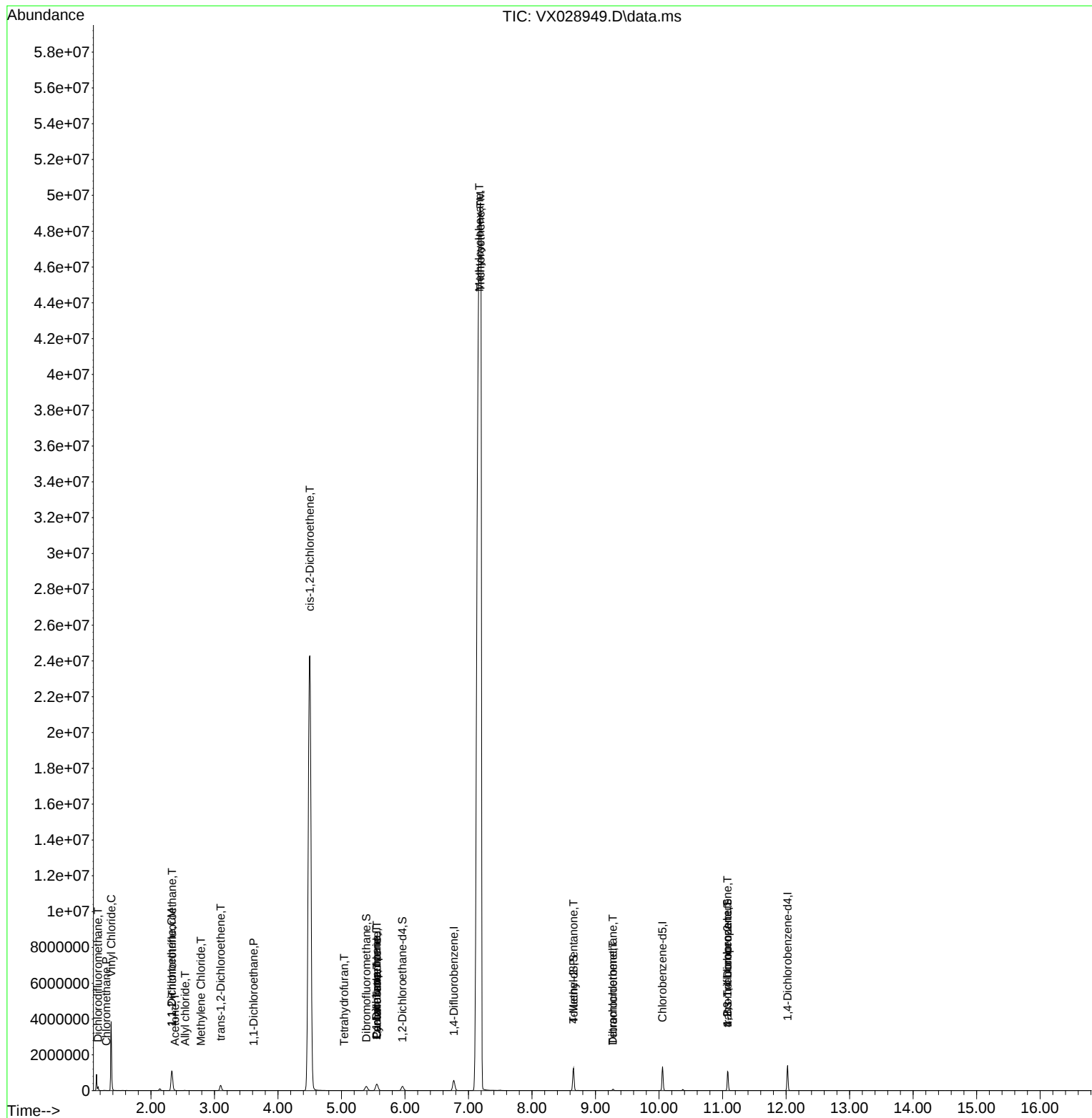
Internal Standards						
1) Pentafluorobenzene	5.556	168	345340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	615864	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	598181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	292972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	233851	49.400	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.800%
35) Dibromofluoromethane	5.391	113	206373	51.145	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.300%
50) Toluene-d8	8.653	98	733025	48.184	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.360%
62) 4-Bromofluorobenzene	11.079	95	296638	52.206	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.420%
Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.166	85	87995	19.460	ug/l	99
3) Chloromethane	1.294	50	1005	0.236	ug/l #	87
4) Vinyl Chloride	1.374	62	2346664	511.338	ug/l	96
5) Bromomethane	1.611	94	1232	Below Cal		91
9) 1,1,2-Trichlorotrifluo...	2.331	101	340468	88.426	ug/l	99
11) Tert butyl alcohol	2.953	59	224	Below Cal #		72
12) 1,1-Dichloroethene	2.325	96	120973	33.847	ug/l	98
14) Allyl chloride	2.538	41	1342	0.234	ug/l #	58
16) Acetone	2.380	43	9501	4.677	ug/l	98
20) Methylene Chloride	2.788	84	1162	0.273	ug/l #	85
21) trans-1,2-Dichloroethene	3.099	96	131466	32.655	ug/l	98
24) 1,1-Dichloroethane	3.617	63	4937	0.693	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	17615314	3746.362	ug/l	81
29) Tetrahydrofuran	5.044	42	872	0.421	ug/l #	41
31) Cyclohexane	5.556	56	7131	1.085	ug/l #	8
36) 1,1-Dichloropropene	5.550	75	26911	4.440	ug/l #	50
38) Carbon Tetrachloride	5.556	117	36377	5.964	ug/l #	15
39) Methylcyclohexane	7.171	83	628467	90.423	ug/l #	1
44) Trichloroethene	7.190	130	36416610	7709.058	ug/l	100
51) 4-Methyl-2-Pentanone	8.653	43	2807	0.430	ug/l #	1
60) Dibromochloromethane	9.275	129	13789	3.095	ug/l #	9
64) Tetrachloroethene	9.275	164	14412	3.190	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	149468	21.785	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	149468	63.829	ug/l #	15

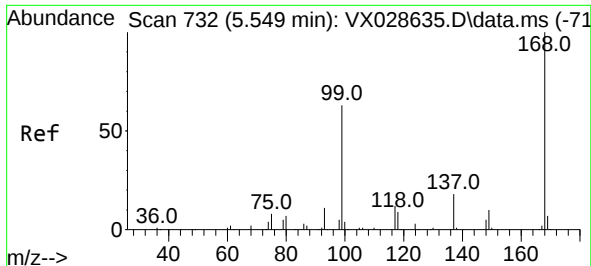
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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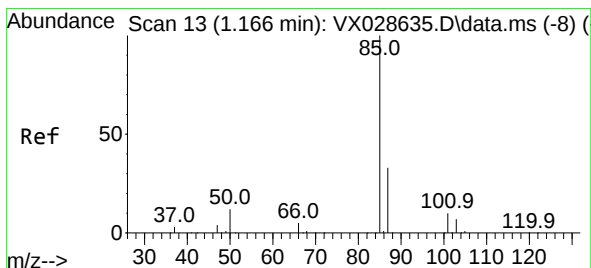
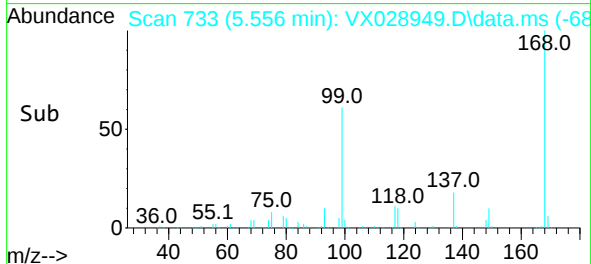
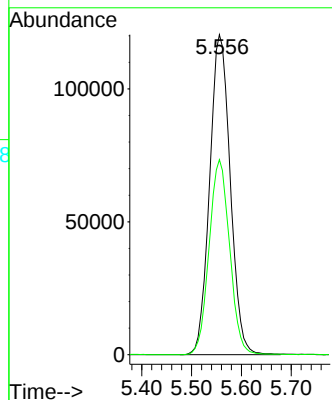
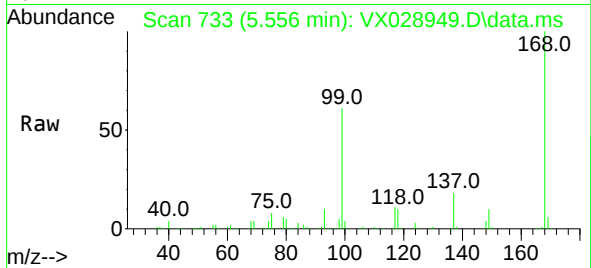




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028949.D
Acq: 25 May 2022 14:41

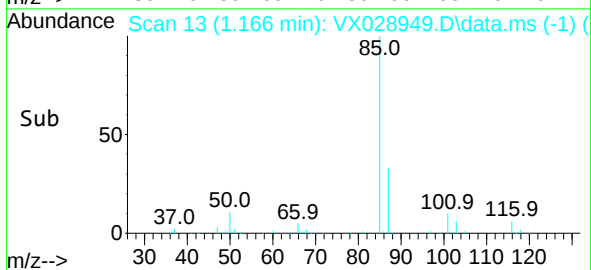
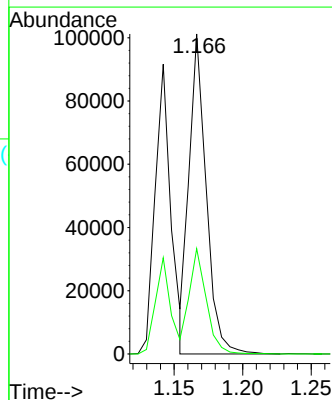
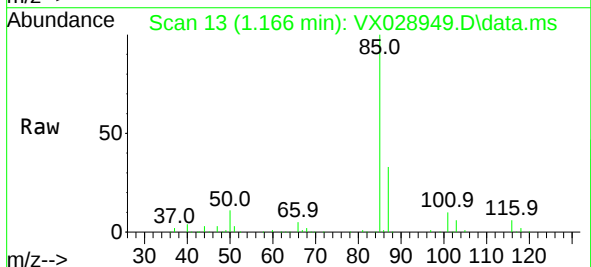
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220520

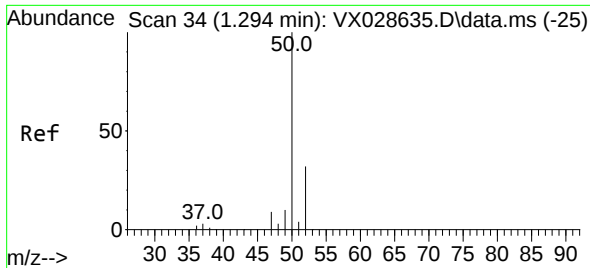
Tgt Ion:168 Resp: 345340
Ion Ratio Lower Upper
168 100
99 61.0 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 19.460 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX028949.D
Acq: 25 May 2022 14:41

Tgt Ion: 85 Resp: 87995
Ion Ratio Lower Upper
85 100
87 32.9 16.2 48.6

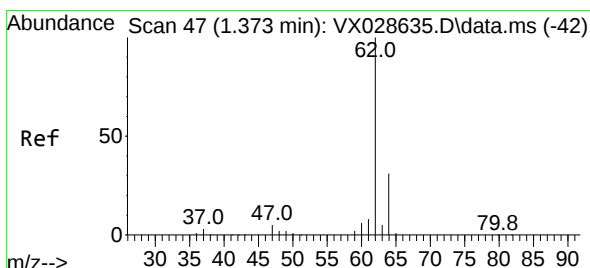
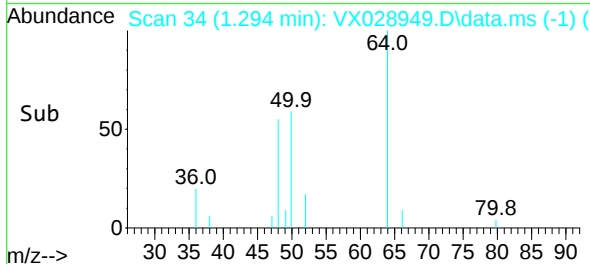
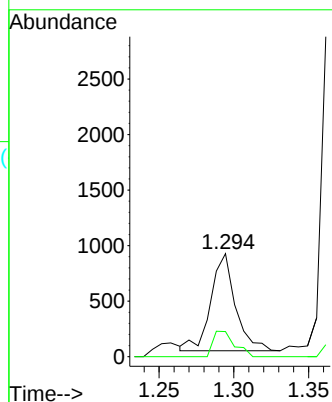
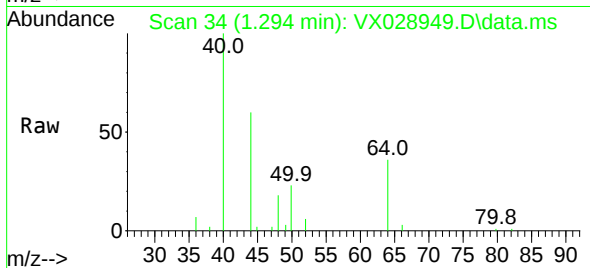




#3
Chloromethane
Concen: 0.236 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028949.D
Acq: 25 May 2022 14:41

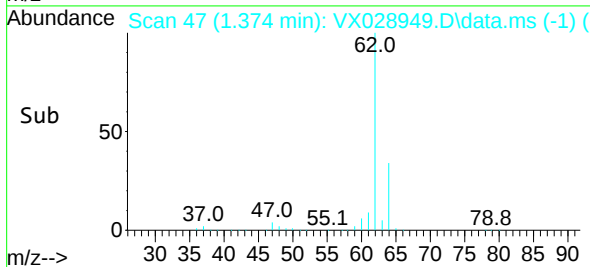
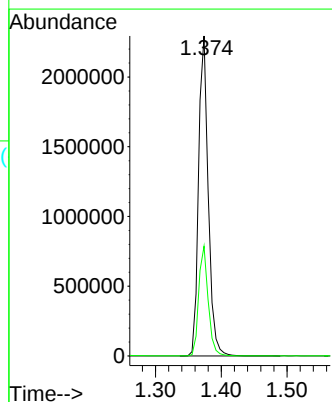
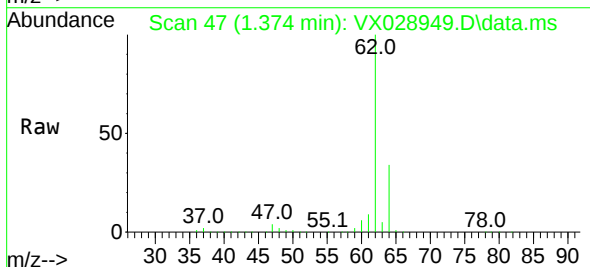
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220520

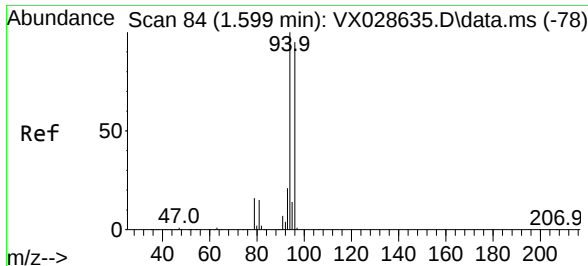
Tgt Ion: 50 Resp: 1005
Ion Ratio Lower Upper
50 100
52 25.9 26.4 39.6#



#4
Vinyl Chloride
Concen: 511.338 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.001 min
Lab File: VX028949.D
Acq: 25 May 2022 14:41

Tgt Ion: 62 Resp: 2346664
Ion Ratio Lower Upper
62 100
64 34.3 25.5 38.3

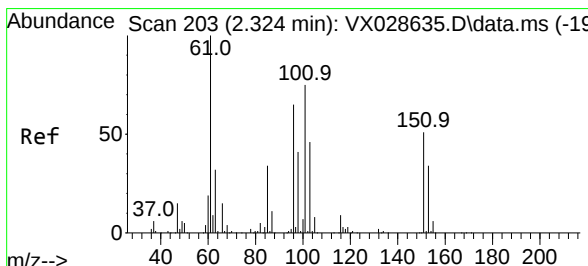
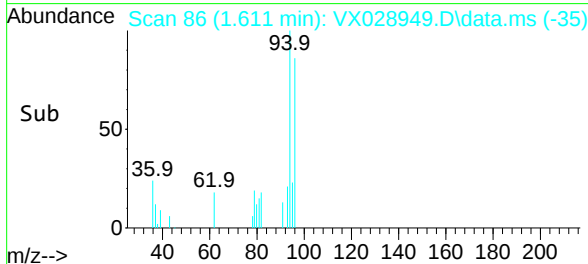
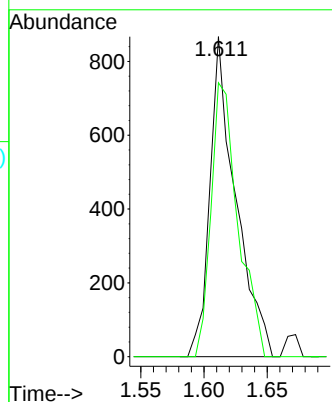
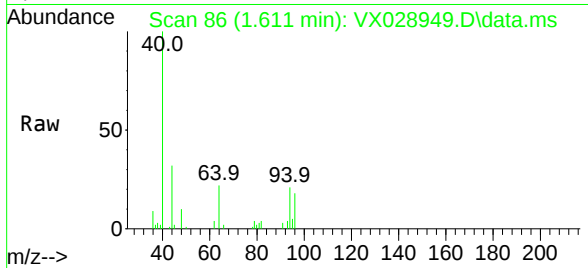




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028949.D
Acq: 25 May 2022 14:41

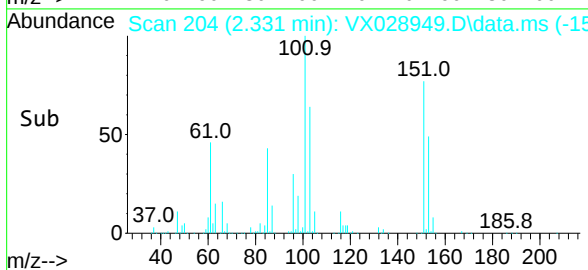
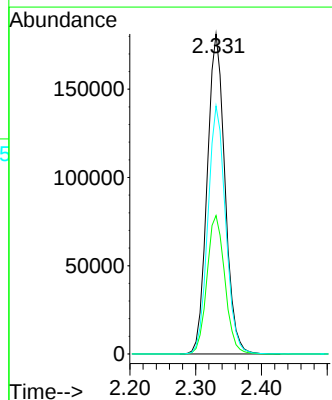
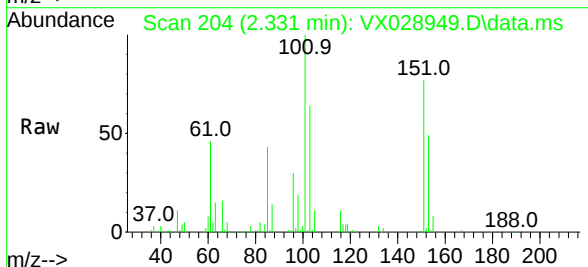
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220520

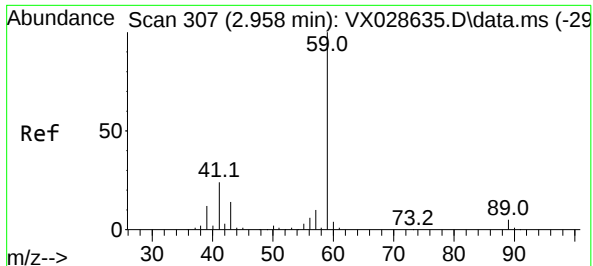
Tgt Ion: 94 Resp: 1232
Ion Ratio Lower Upper
94 100
96 85.6 75.3 112.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 88.426 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.007 min
Lab File: VX028949.D
Acq: 25 May 2022 14:41

Tgt Ion:101 Resp: 340468
Ion Ratio Lower Upper
101 100
85 43.6 33.5 50.3
151 77.2 61.8 92.6

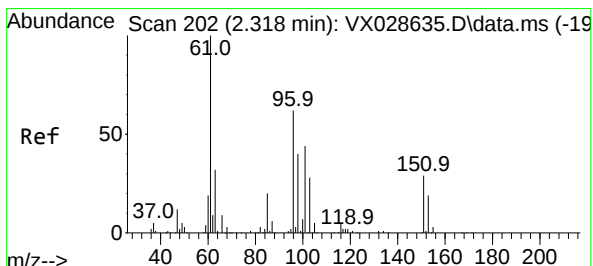
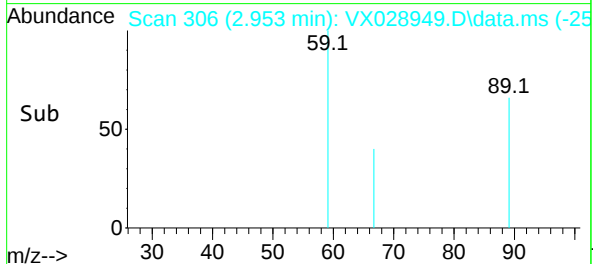
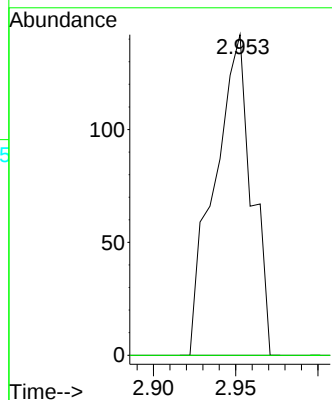
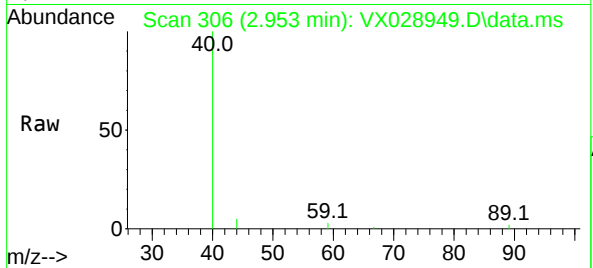




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 307
Delta R.T. -0.005 min
Lab File: VX028949.D
Acq: 25 May 2022 14:41

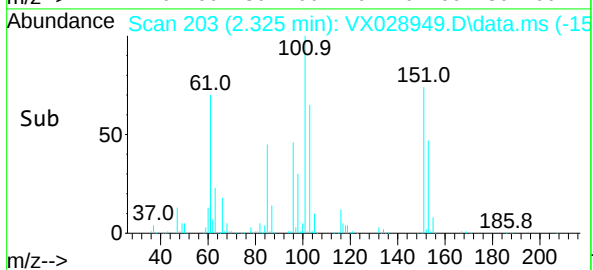
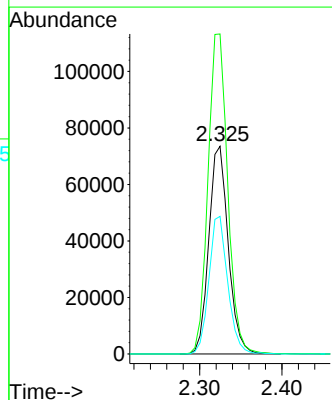
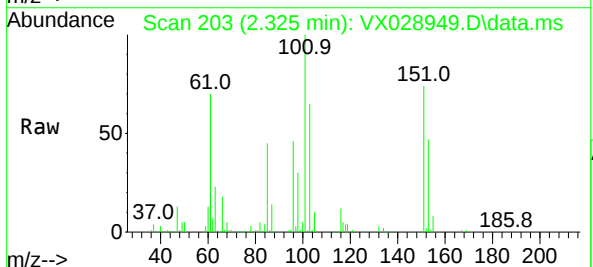
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220520

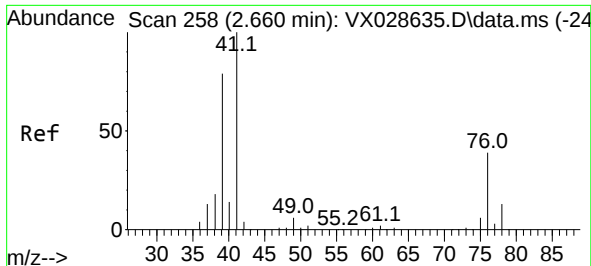
Tgt Ion: 59 Resp: 224
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 33.847 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX028949.D
Acq: 25 May 2022 14:41

Tgt Ion: 96 Resp: 120973
Ion Ratio Lower Upper
96 100
61 154.1 124.6 187.0
98 66.3 51.0 76.4

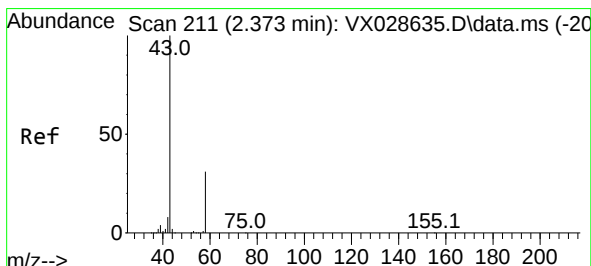
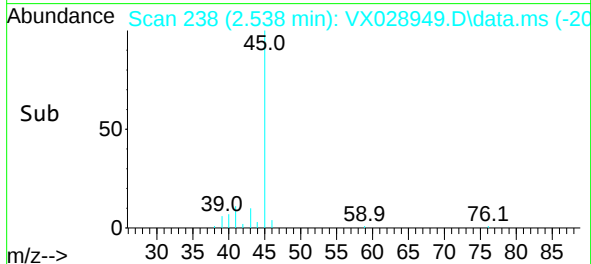
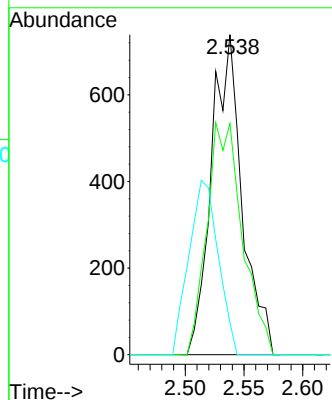
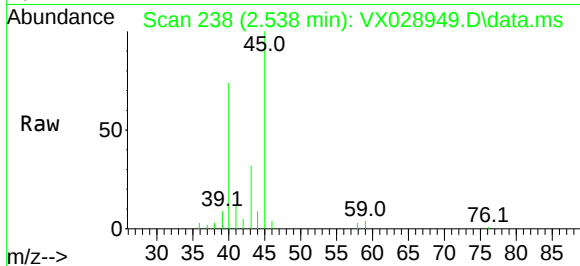




#14
 Allyl chloride
 Concen: 0.234 ug/l
 RT: 2.538 min Scan# 212
 Delta R.T. -0.122 min
 Lab File: VX028949.D
 Acq: 25 May 2022 14:41

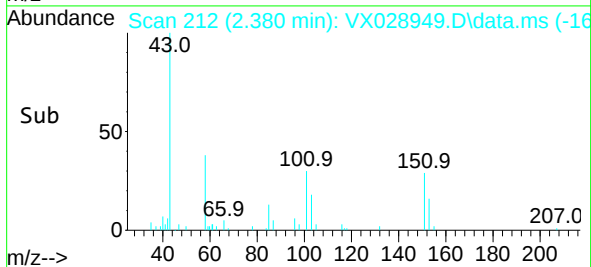
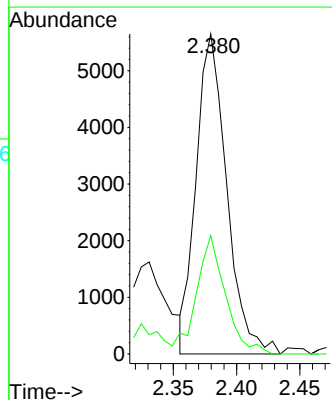
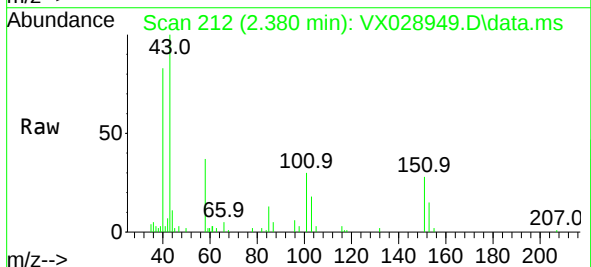
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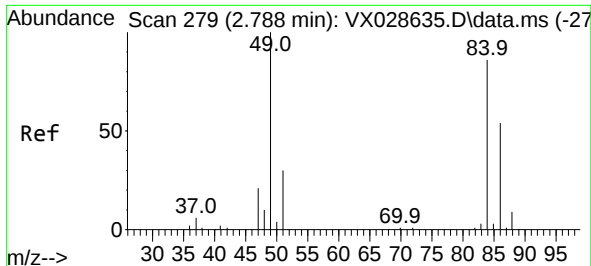
Tgt Ion: 41 Resp: 1342
 Ion Ratio Lower Upper
 41 100
 39 83.5 50.4 75.6#
 76 0.0 32.7 49.1#



#16
 Acetone
 Concen: 4.677 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. 0.007 min
 Lab File: VX028949.D
 Acq: 25 May 2022 14:41

Tgt Ion: 43 Resp: 9501
 Ion Ratio Lower Upper
 43 100
 58 36.9 28.8 43.2





#20

Methylene Chloride

Concen: 0.273 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX028949.D

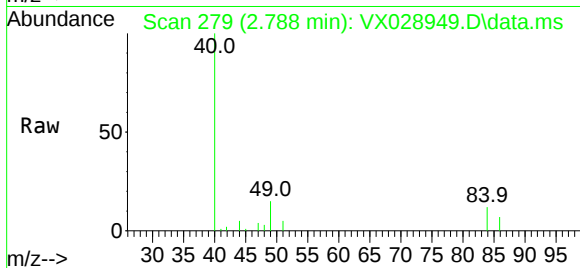
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Instrument :

MSVOA_X

ClientSampleId :

DUP02-20220520



Tgt Ion: 84 Resp: 1162

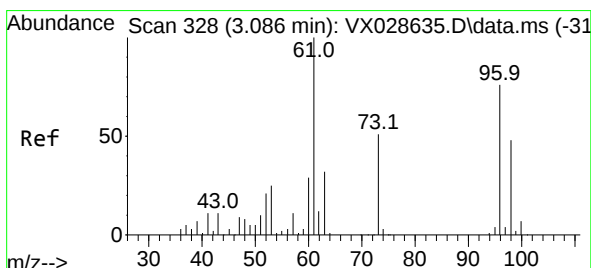
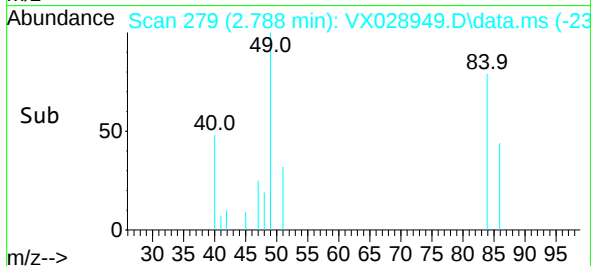
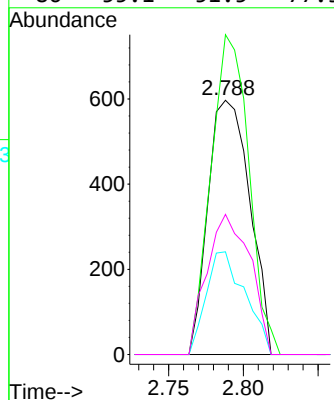
Ion Ratio Lower Upper

84 100

49 125.8 85.5 128.3

51 40.4 26.6 39.8#

86 55.1 51.5 77.3



#21

trans-1,2-Dichloroethene

Concen: 32.655 ug/l

RT: 3.099 min Scan# 330

Delta R.T. 0.013 min

Lab File: VX028949.D

Acq: 25 May 2022 14:41

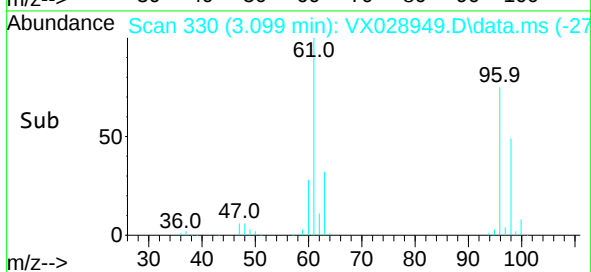
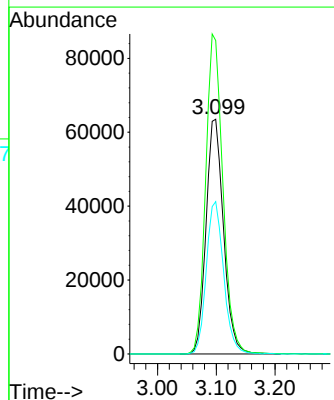
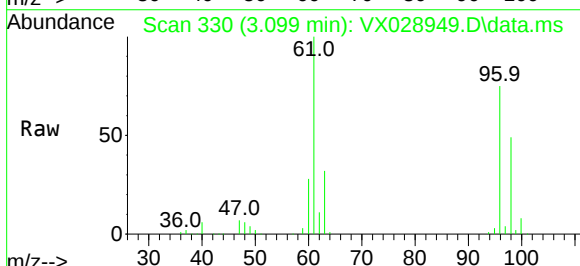
Tgt Ion: 96 Resp: 131466

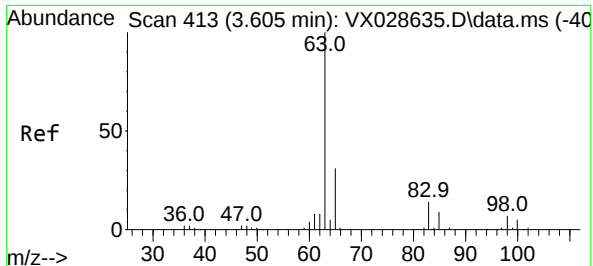
Ion Ratio Lower Upper

96 100

61 133.5 105.4 158.2

98 64.9 50.0 75.0

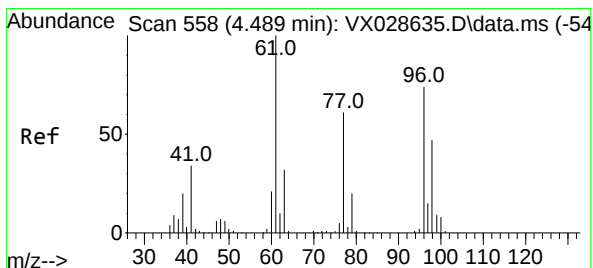
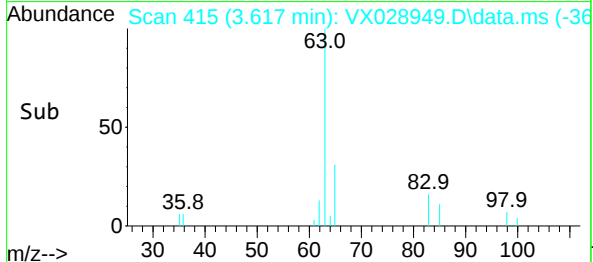
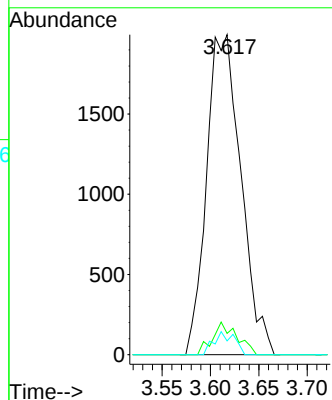
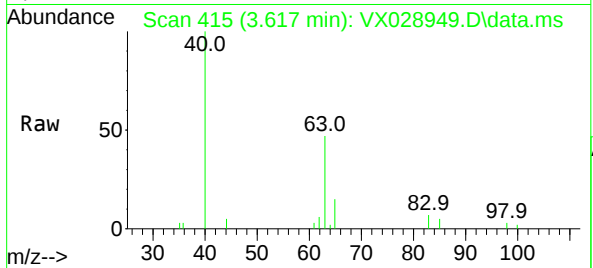




#24
1,1-Dichloroethane
Concen: 0.693 ug/l
RT: 3.617 min Scan# 41
Delta R.T. 0.012 min
Lab File: VX028949.D
Acq: 25 May 2022 14:41

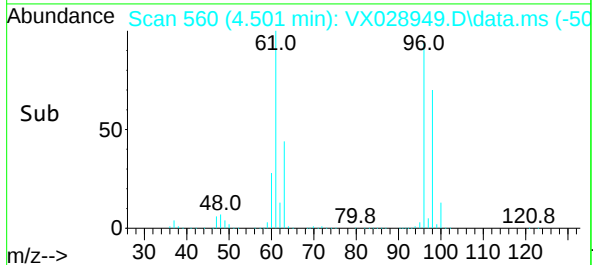
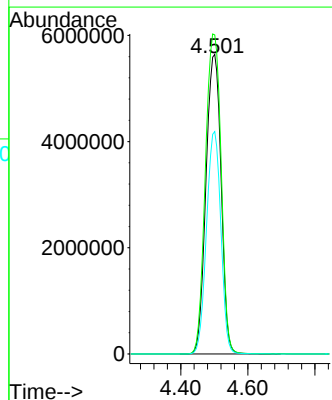
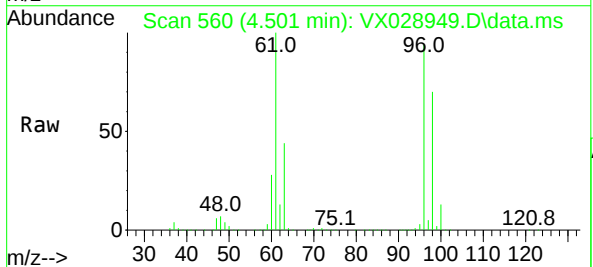
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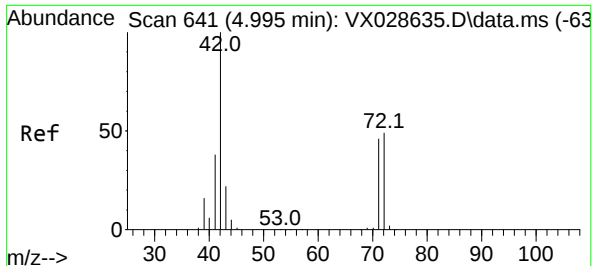
Tgt Ion: 63 Resp: 4937
Ion Ratio Lower Upper
63 100
98 6.7 3.9 11.7
100 4.3 2.4 7.2



#27
cis-1,2-Dichloroethene
Concen: 3746.362 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.012 min
Lab File: VX028949.D
Acq: 25 May 2022 14:41

Tgt Ion: 96 Resp:17615314
Ion Ratio Lower Upper
96 100
61 111.1 0.0 283.8
98 70.5 0.0 129.8





#29

Tetrahydrofuran

Concen: 0.421 ug/l

RT: 5.044 min Scan# 641

Delta R.T. 0.049 min

Lab File: VX028949.D

Acq: 25 May 2022 14:41

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20220520

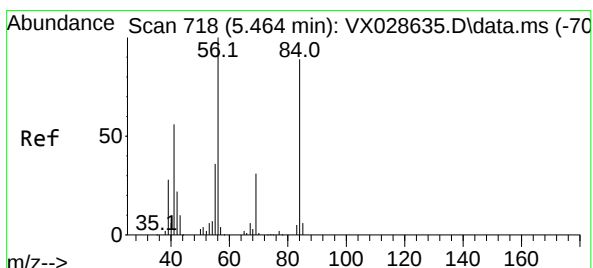
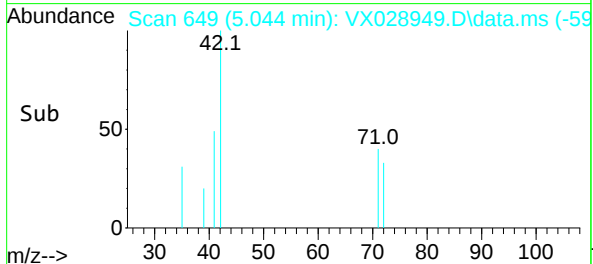
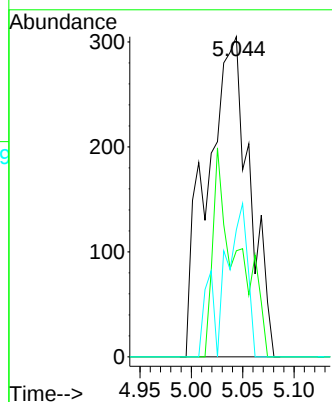
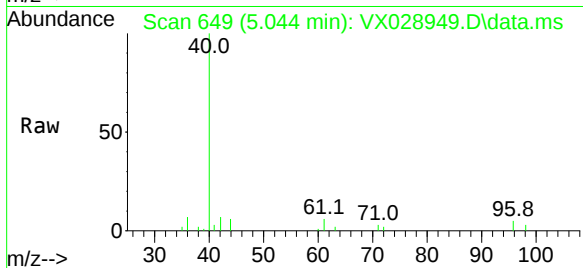
Tgt Ion: 42 Resp: 872

Ion Ratio Lower Upper

42 100

72 0.0 44.1 66.1#

71 22.1 40.5 60.7#



#31

Cyclohexane

Concen: 1.085 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.092 min

Lab File: VX028949.D

Acq: 25 May 2022 14:41

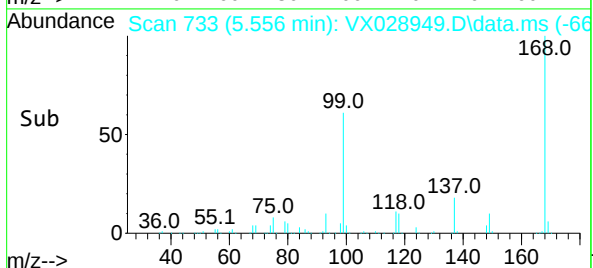
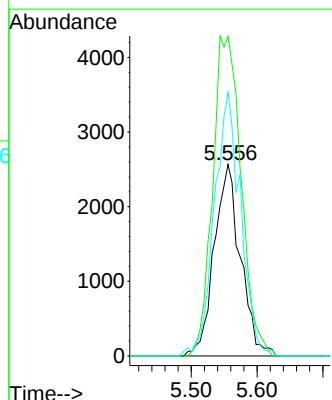
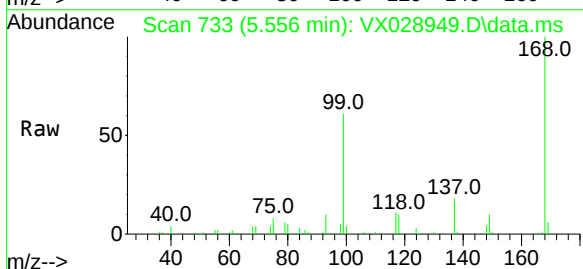
Tgt Ion: 56 Resp: 7131

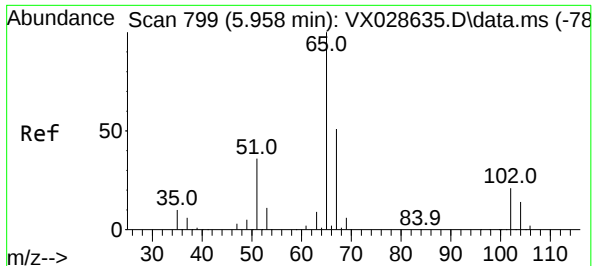
Ion Ratio Lower Upper

56 100

69 166.8 26.7 40.1#

84 137.6 77.2 115.8#

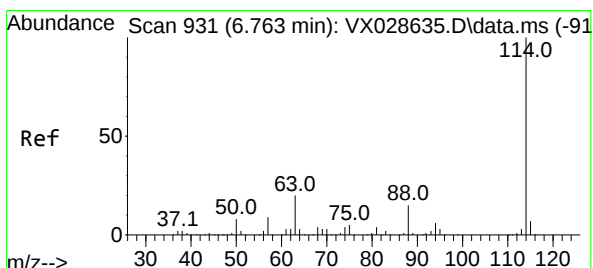
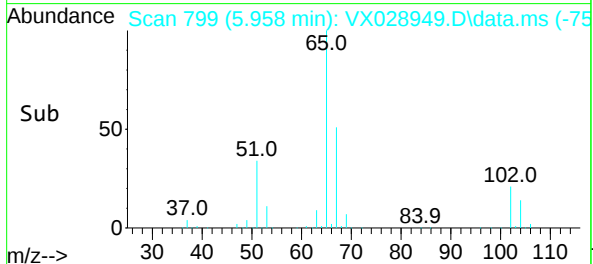
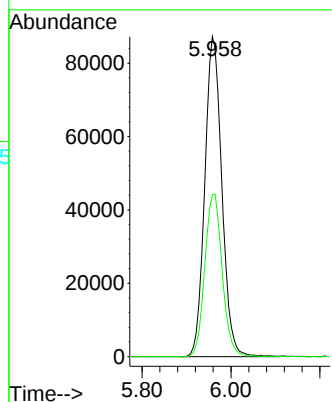
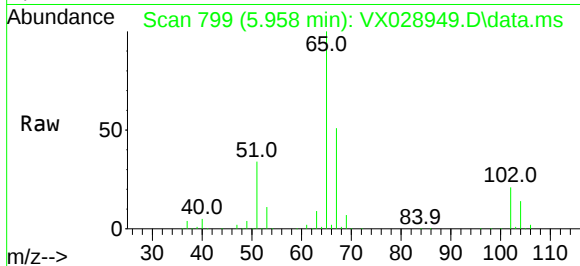




#33
 1,2-Dichloroethane-d4
 Concen: 49.400 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX028949.D
 Acq: 25 May 2022 14:41

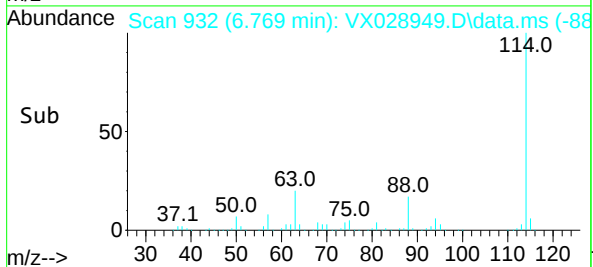
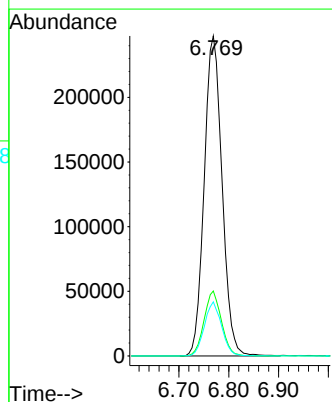
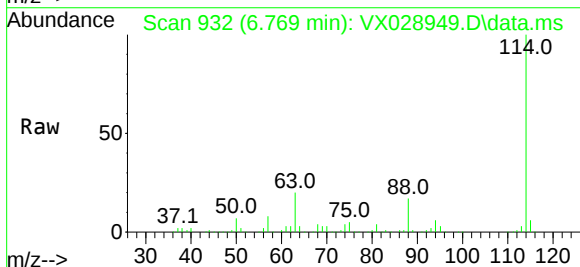
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20220520

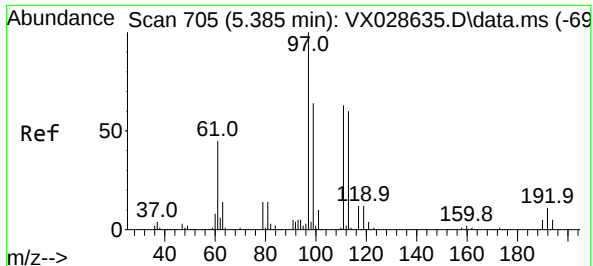
Tgt Ion: 65 Resp: 233851
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.006 min
 Lab File: VX028949.D
 Acq: 25 May 2022 14:41

Tgt Ion: 114 Resp: 615864
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 36.8
 88 16.9 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.145 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028949.D

Acq: 25 May 2022 14:41

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20220520

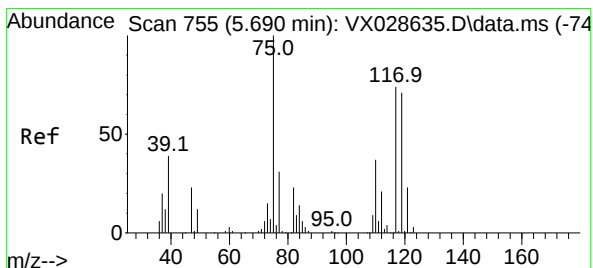
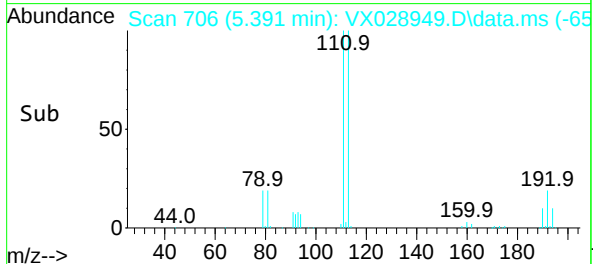
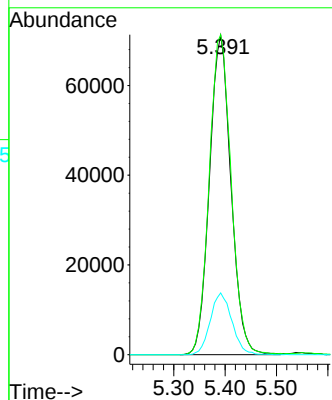
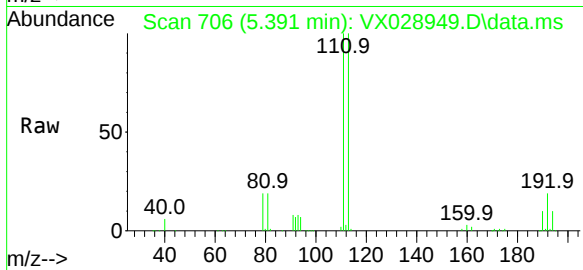
Tgt Ion:113 Resp: 206373

Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 19.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.440 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX028949.D

Acq: 25 May 2022 14:41

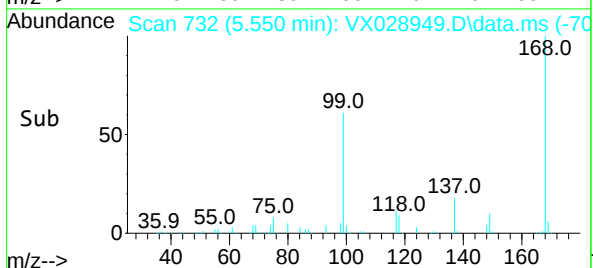
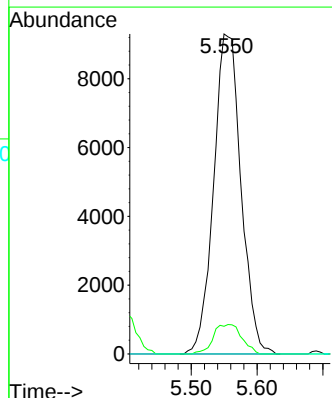
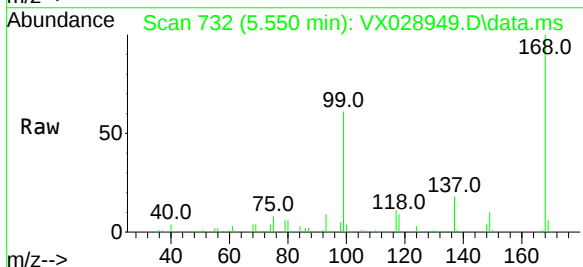
Tgt Ion: 75 Resp: 26911

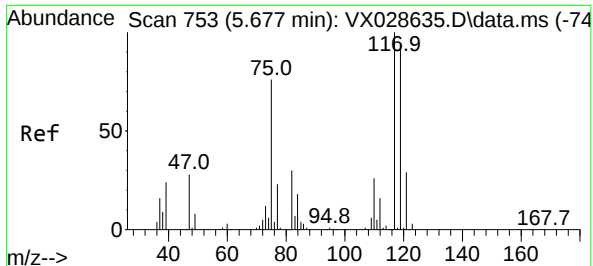
Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.8#

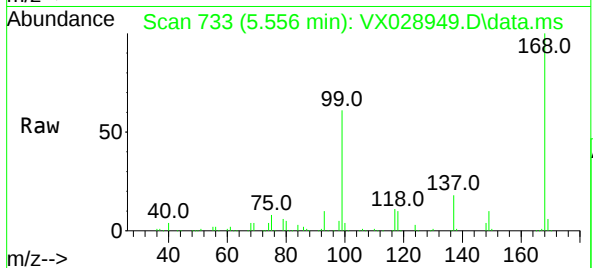
77 0.0 24.8 37.2#



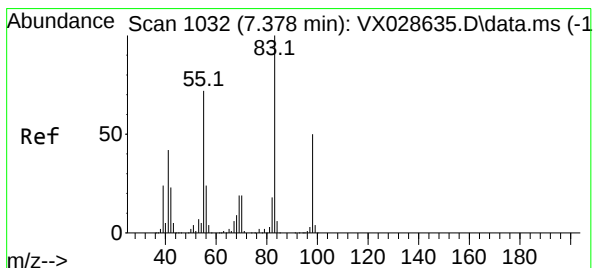
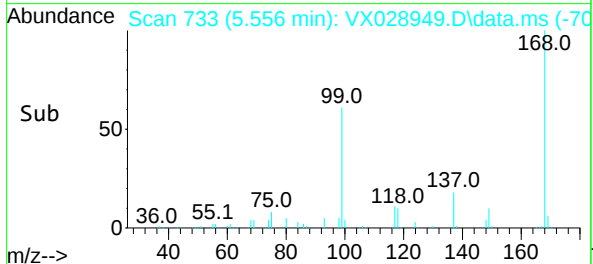
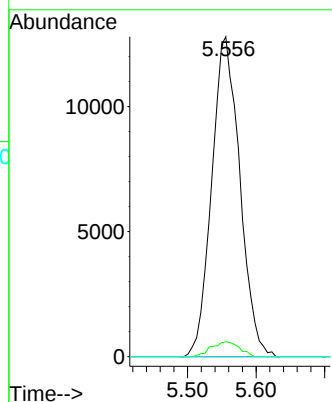


#38
Carbon Tetrachloride
Concen: 5.964 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.121 min
Lab File: VX028949.D
Acq: 25 May 2022 14:41

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220520

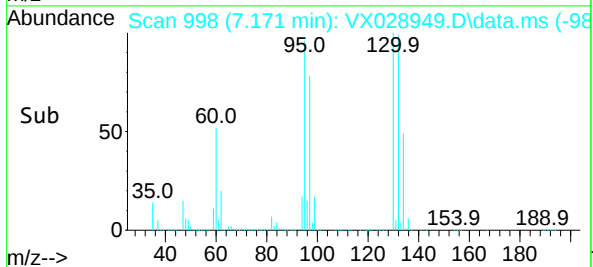
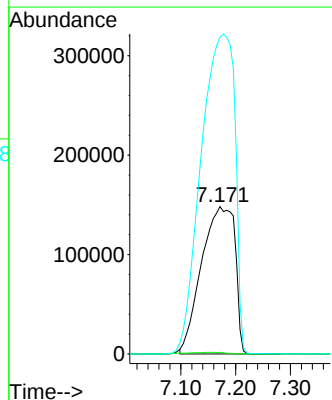
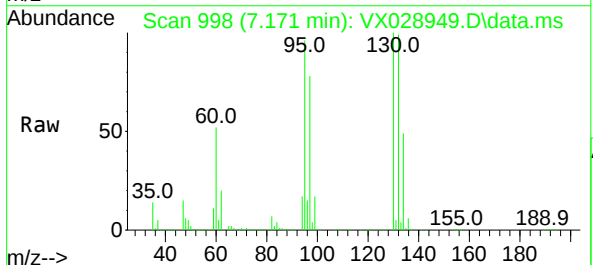


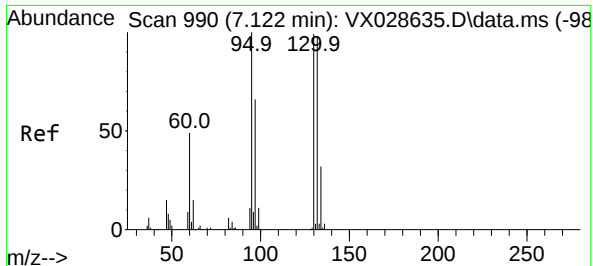
Tgt Ion:117 Resp: 36377
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 90.423 ug/l
RT: 7.171 min Scan# 998
Delta R.T. -0.207 min
Lab File: VX028949.D
Acq: 25 May 2022 14:41

Tgt Ion: 83 Resp: 628467
Ion Ratio Lower Upper
83 100
55 1.1 54.6 81.8#
98 215.1 37.4 56.2#

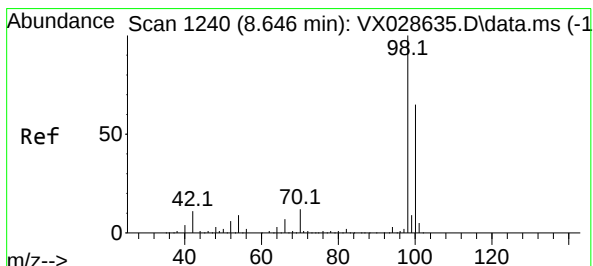
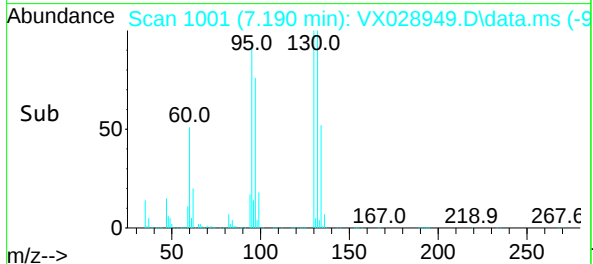
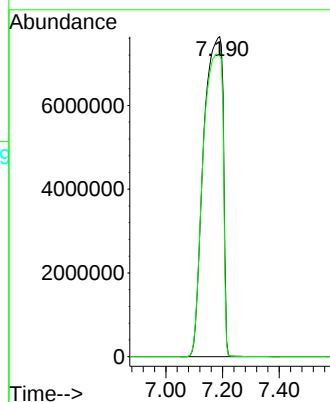
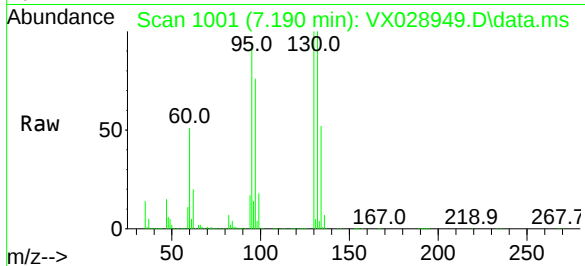




#44
Trichloroethene
Concen: 7709.058 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. 0.068 min
Lab File: VX028949.D
Acq: 25 May 2022 14:41

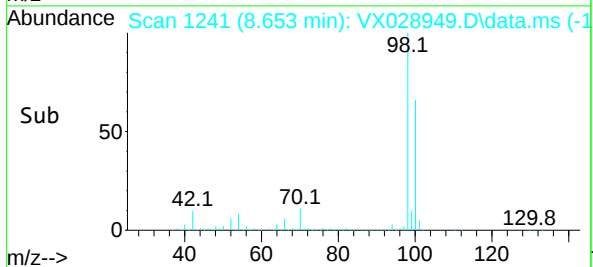
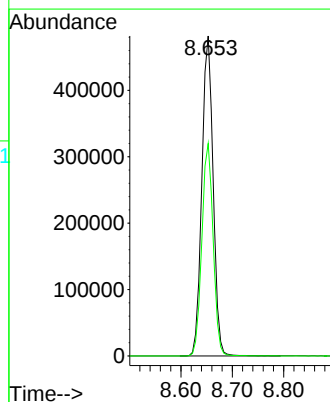
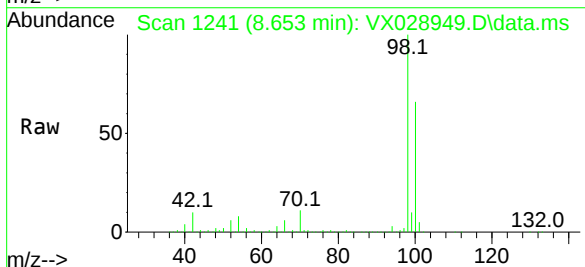
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220520

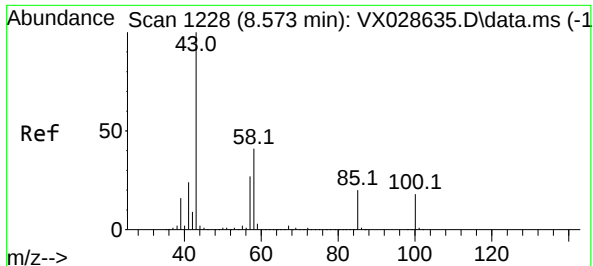
Tgt Ion:130 Resp:36416610
Ion Ratio Lower Upper
130 100
95 94.0 0.0 188.8



#50
Toluene-d8
Concen: 48.184 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX028949.D
Acq: 25 May 2022 14:41

Tgt Ion: 98 Resp: 733025
Ion Ratio Lower Upper
98 100
100 66.5 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.430 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.080 min

Lab File: VX028949.D

Acq: 25 May 2022 14:41

Instrument :

MSVOA_X

ClientSampleId :

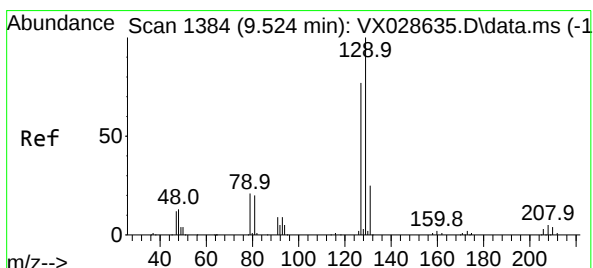
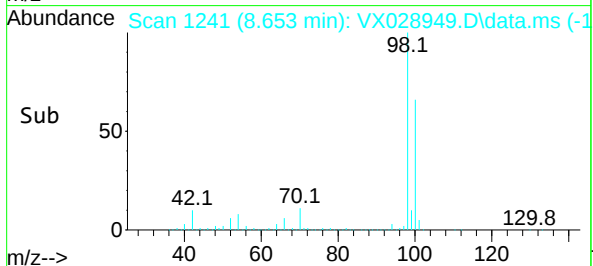
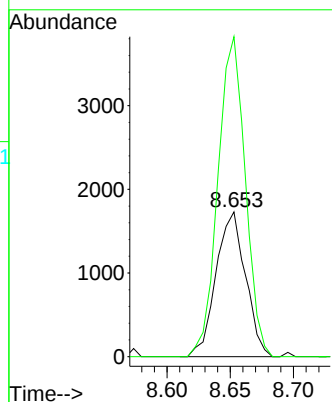
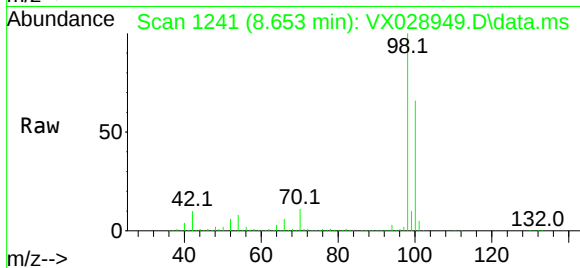
DUP02-20220520

Tgt Ion: 43 Resp: 2807

Ion Ratio Lower Upper

43 100

58 204.9 36.1 54.1#



#60

Dibromochloromethane

Concen: 3.095 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.249 min

Lab File: VX028949.D

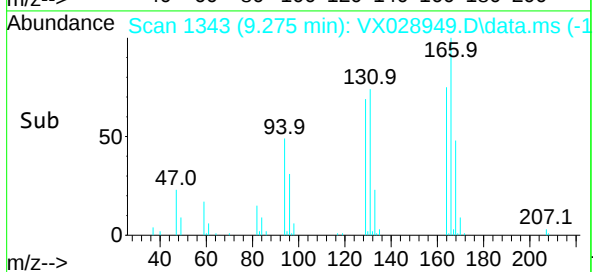
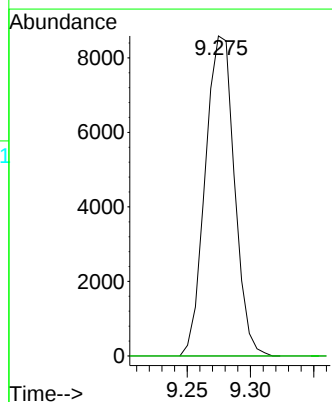
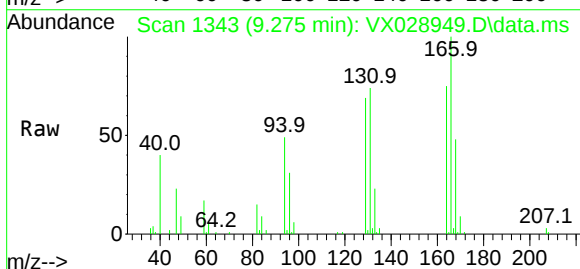
Acq: 25 May 2022 14:41

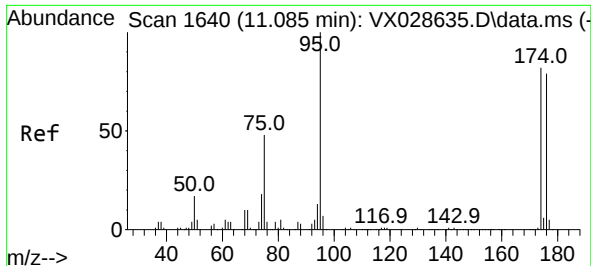
Tgt Ion: 129 Resp: 13789

Ion Ratio Lower Upper

129 100

127 0.0 40.3 120.8#





#62

4-Bromofluorobenzene

Concen: 52.206 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX028949.D

Acq: 25 May 2022 14:41

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20220520

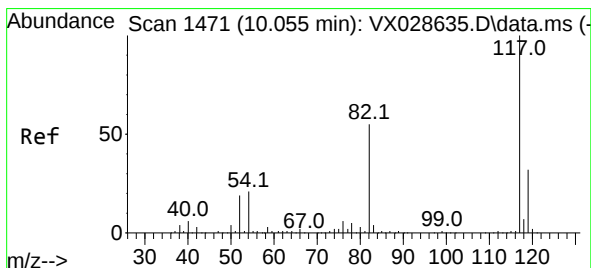
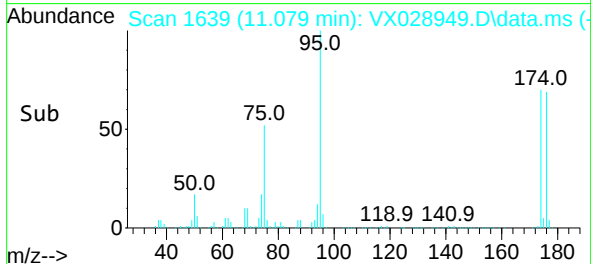
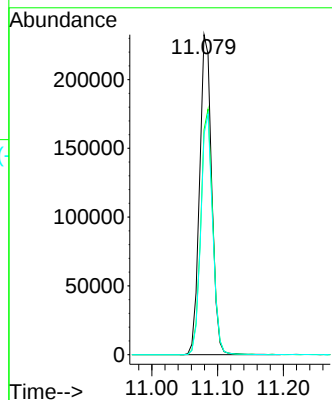
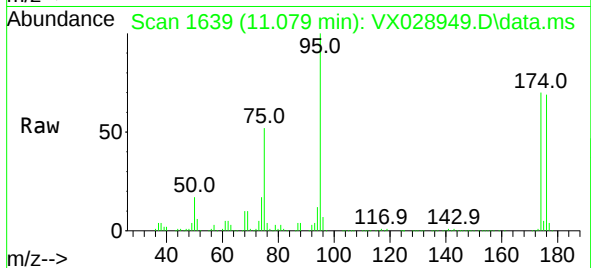
Tgt Ion: 95 Resp: 296638

Ion Ratio Lower Upper

95 100

174 76.0 0.0 163.0

176 73.8 0.0 155.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX028949.D

Acq: 25 May 2022 14:41

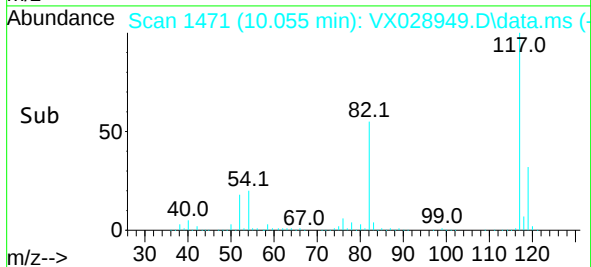
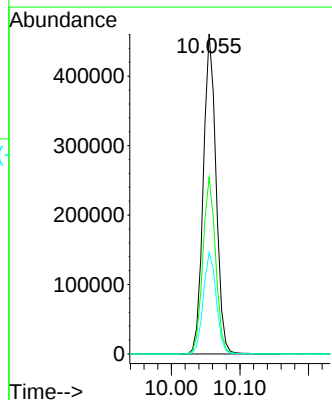
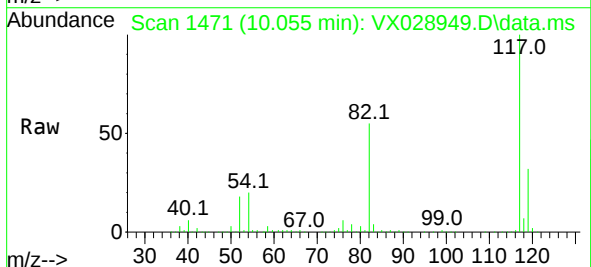
Tgt Ion: 117 Resp: 598181

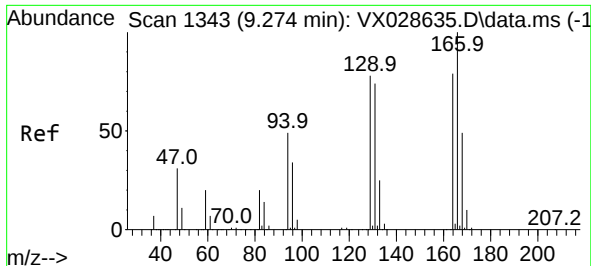
Ion Ratio Lower Upper

117 100

82 55.2 41.8 62.8

119 31.6 24.8 37.2



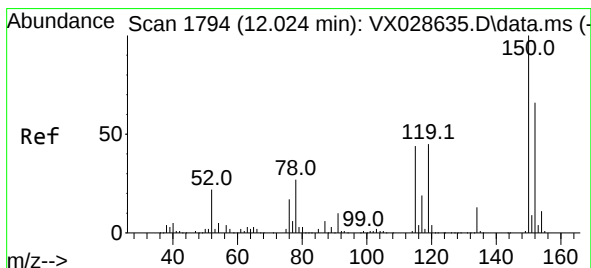
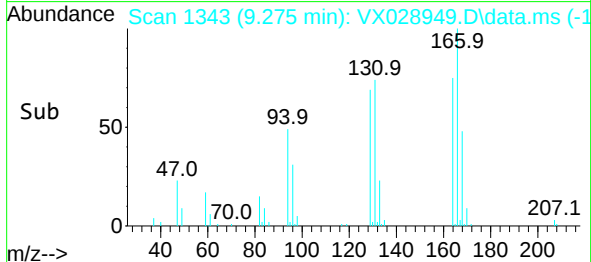
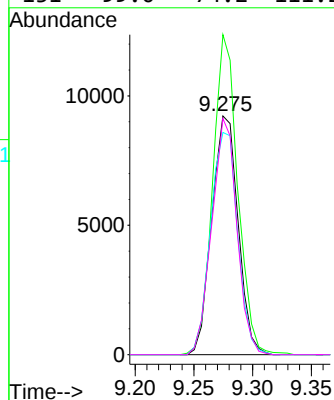
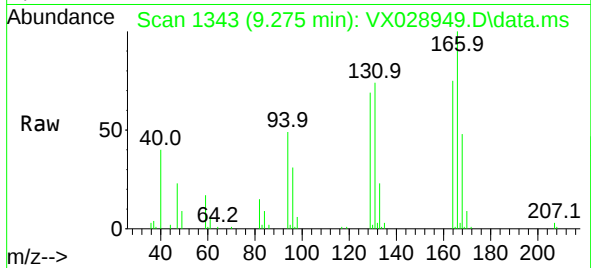


#64
Tetrachloroethene
Concen: 3.190 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX028949.D
Acq: 25 May 2022 14:41

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220520

Tgt Ion:164 Resp: 14412

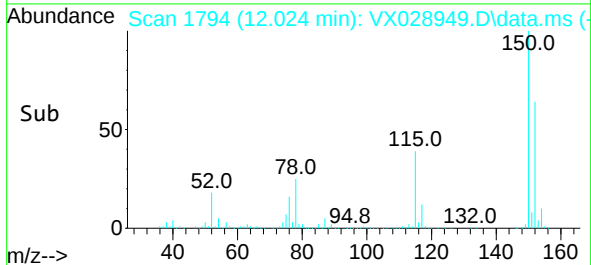
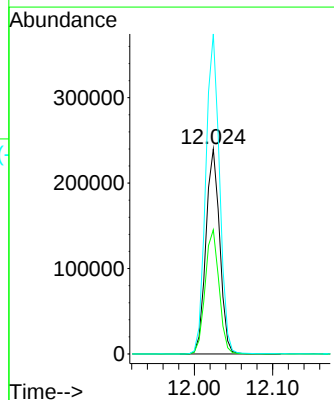
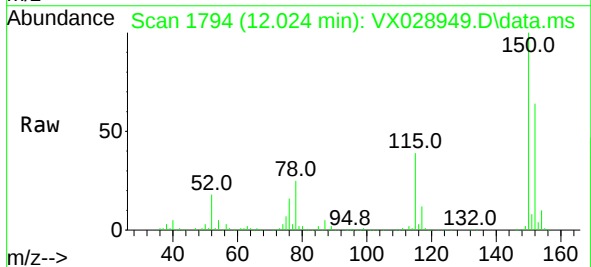
Ion	Ratio	Lower	Upper
164	100		
166	134.1	101.2	151.8
129	93.1	73.0	109.4
131	99.0	74.2	111.2

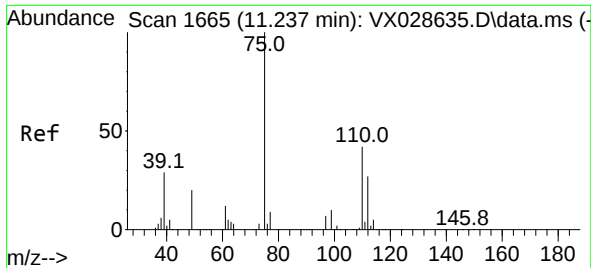


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028949.D
Acq: 25 May 2022 14:41

Tgt Ion:152 Resp: 292972

Ion	Ratio	Lower	Upper
152	100		
115	60.9	37.5	112.7
150	155.7	0.0	338.2

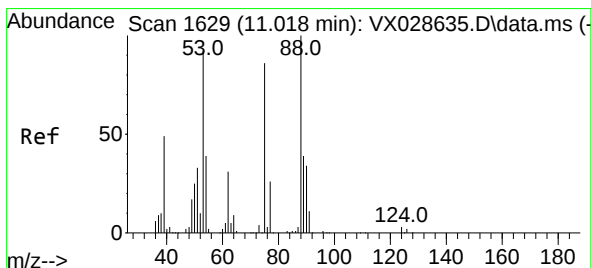
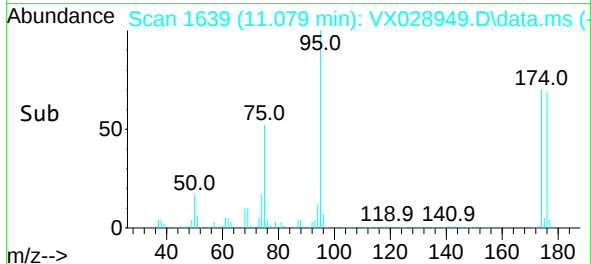
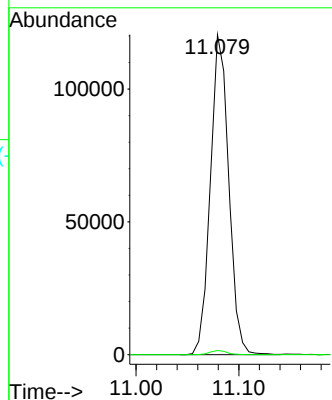
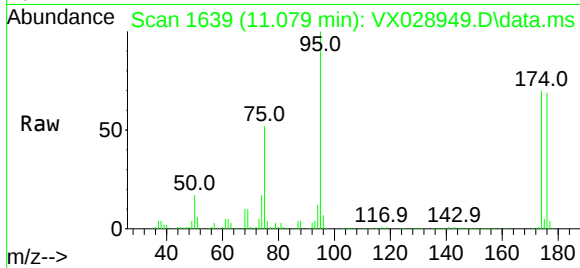




#76
1,2,3-Trichloropropane
Concen: 21.785 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028949.D
Acq: 25 May 2022 14:41

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220520

Tgt Ion: 75 Resp: 149468
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.829 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028949.D
Acq: 25 May 2022 14:41

Tgt Ion: 75 Resp: 149468
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

