

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029058.D
 Acq On : 28 May 2022 05:36
 Operator : JC/MD
 Sample : N3022-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20220525

Quant Time: May 28 08:39:45 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)

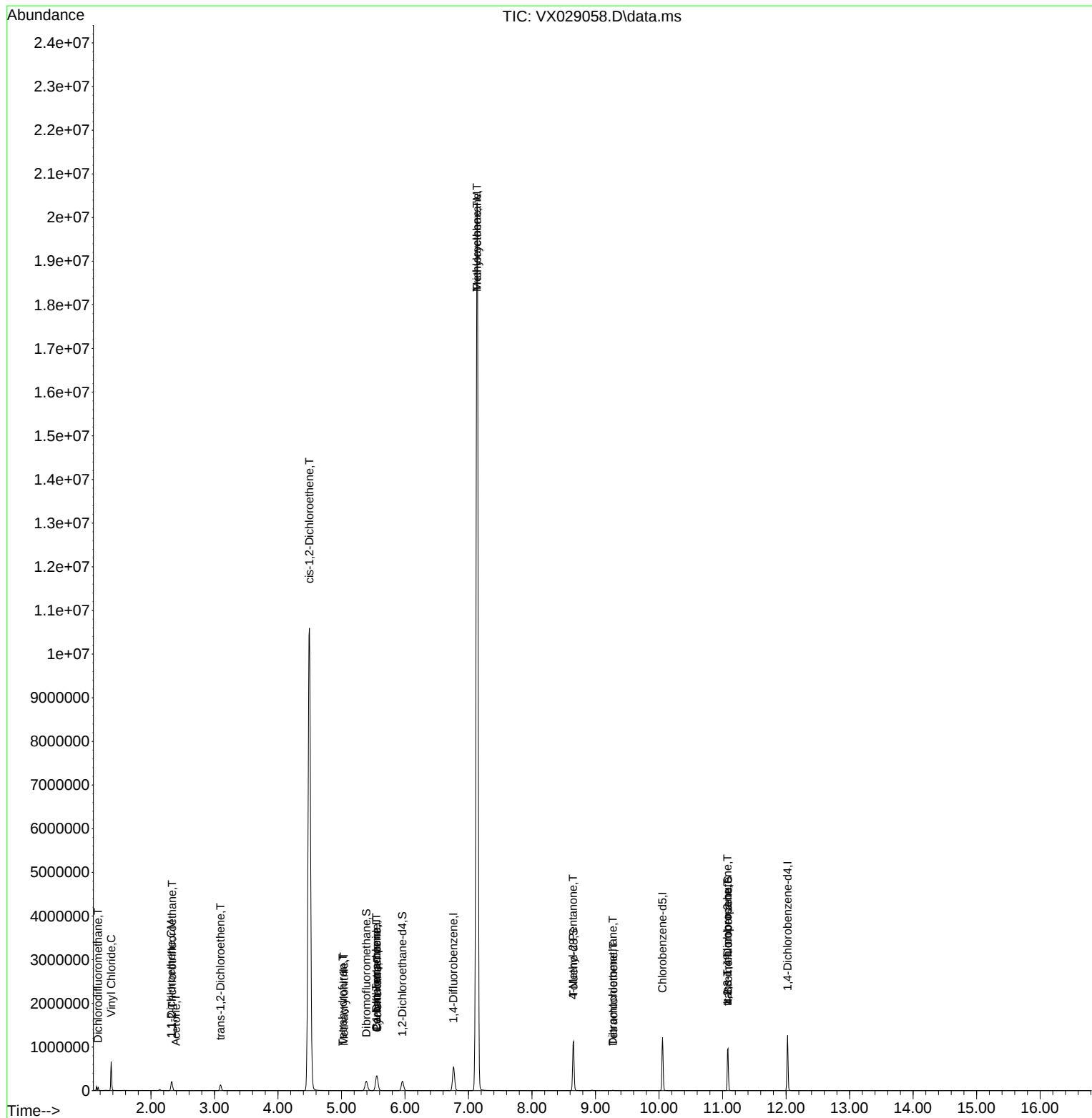
Internal Standards						
1) Pentafluorobenzene	5.556	168	326283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	582385	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	559529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	269909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	209279	46.792	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.580%
35) Dibromofluoromethane	5.391	113	191018	50.061	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.120%
50) Toluene-d8	8.653	98	689489	47.928	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.860%
62) 4-Bromofluorobenzene	11.085	95	274072	51.007	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	41557	9.727	ug/l	97
4) Vinyl Chloride	1.374	62	392278	90.470	ug/l	99
5) Bromomethane	1.618	94	988	Below Cal		100
9) 1,1,2-Trichlorotrifluo...	2.331	101	42075	11.566	ug/l	99
11) Tert butyl alcohol	2.947	59	1723	Below Cal	#	72
12) 1,1-Dichloroethene	2.319	96	42408	12.558	ug/l	99
16) Acetone	2.392	43	1090	0.568	ug/l	# 76
21) trans-1,2-Dichloroethene	3.093	96	57286	15.061	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	7289256	1640.797	ug/l	84
29) Tetrahydrofuran	5.019	42	1526	0.779	ug/l	92
31) Cyclohexane	5.562	56	5849	0.942	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	24531	4.280	ug/l	# 50
38) Carbon Tetrachloride	5.550	117	33235	5.762	ug/l	# 15
39) Methylcyclohexane	7.135	83	103209	15.703	ug/l	# 1
41) Methacrylonitrile	5.038	41	1063	0.331	ug/l	# 38
44) Trichloroethene	7.135	130	8512419	1905.590	ug/l	97
51) 4-Methyl-2-Pentanone	8.647	43	2621	0.425	ug/l	# 1
60) Dibromochloromethane	9.275	129	1549	0.368	ug/l	# 9
64) Tetrachloroethene	9.281	164	1752	0.415	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	132185	20.912	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	132185	61.427	ug/l	# 15

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

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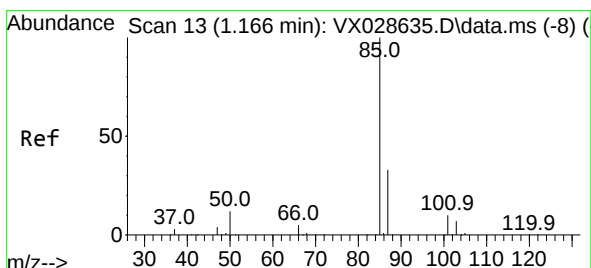
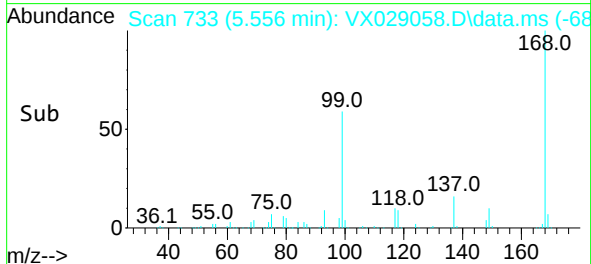
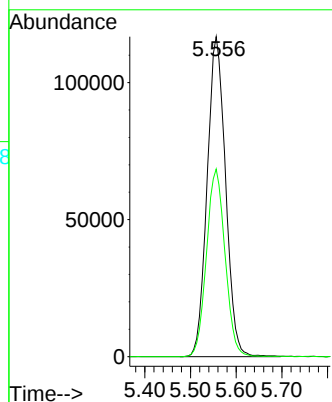
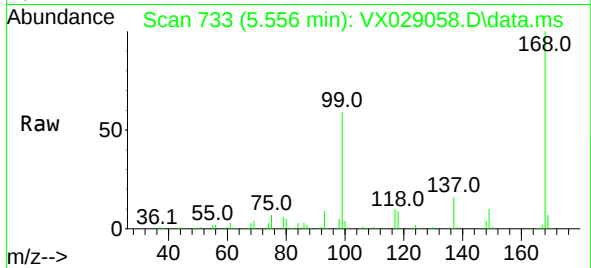




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX029058.D
Acq: 28 May 2022 05:36

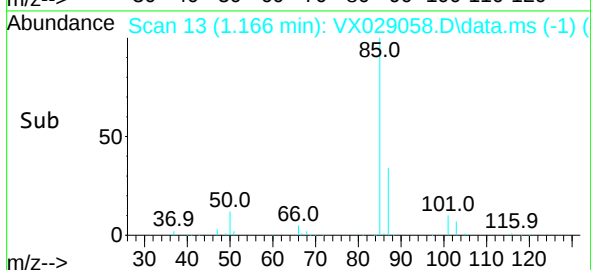
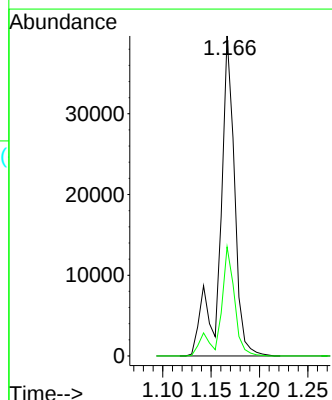
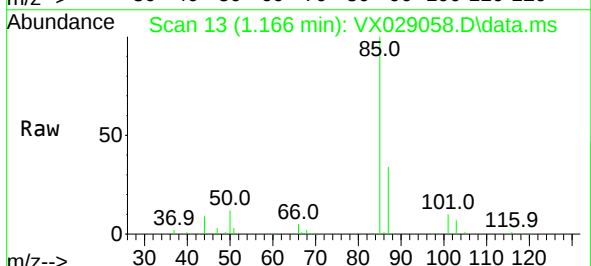
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20220525

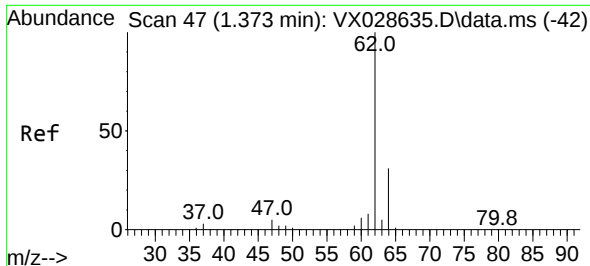
Tgt Ion:168 Resp: 326283
Ion Ratio Lower Upper
168 100
99 58.6 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 9.727 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX029058.D
Acq: 28 May 2022 05:36

Tgt Ion: 85 Resp: 41557
Ion Ratio Lower Upper
85 100
87 34.1 16.2 48.6

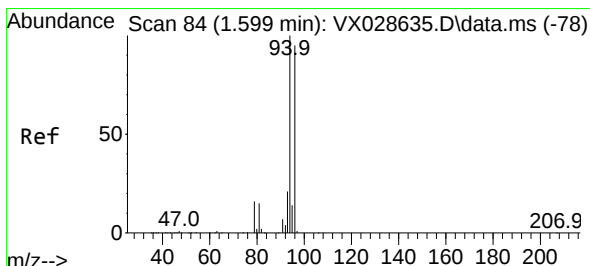
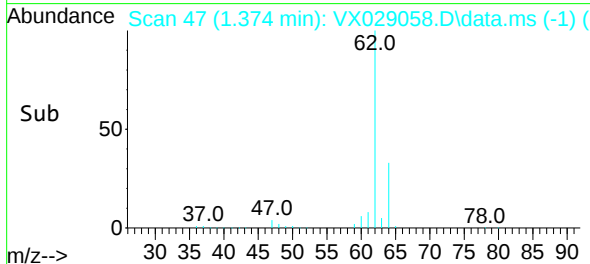
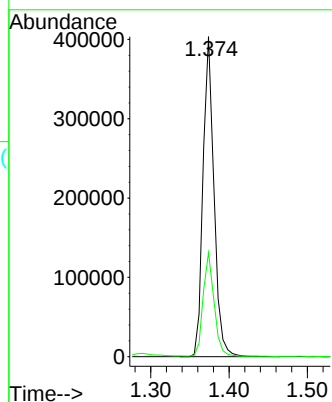
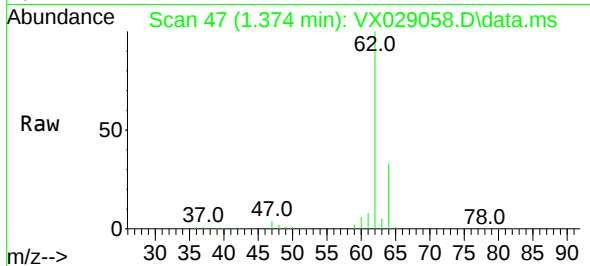




#4
 Vinyl Chloride
 Concen: 90.470 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. 0.001 min
 Lab File: VX029058.D
 Acq: 28 May 2022 05:36

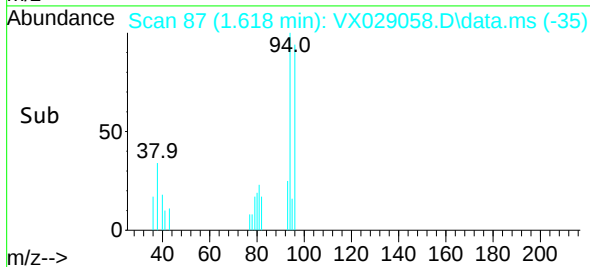
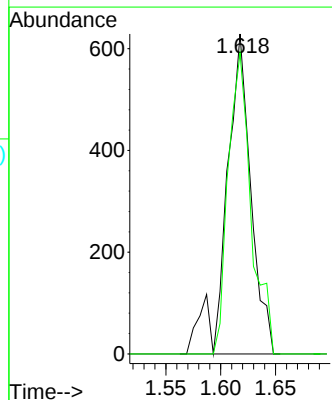
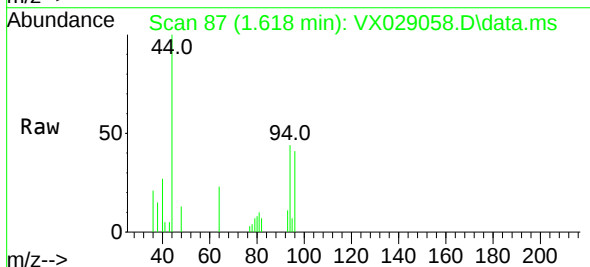
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20220525

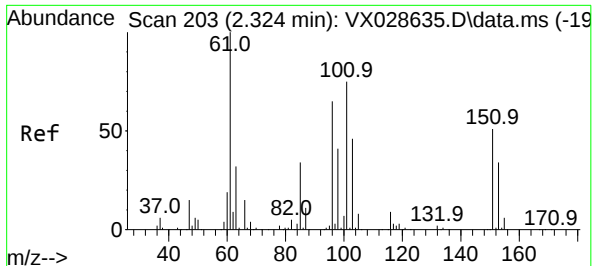
Tgt Ion: 62 Resp: 392278
 Ion Ratio Lower Upper
 62 100
 64 32.4 25.5 38.3



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.618 min Scan# 87
 Delta R.T. 0.019 min
 Lab File: VX029058.D
 Acq: 28 May 2022 05:36

Tgt Ion: 94 Resp: 988
 Ion Ratio Lower Upper
 94 100
 96 94.0 75.3 112.9

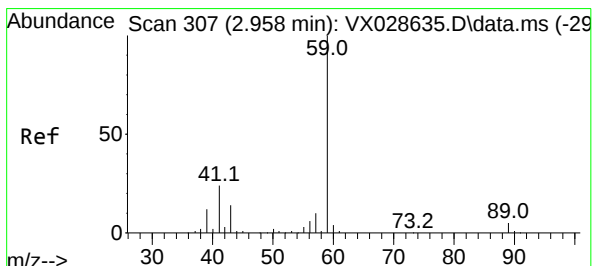
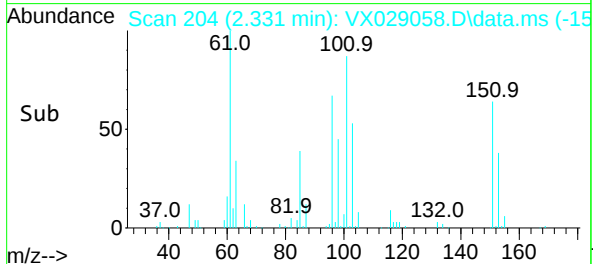
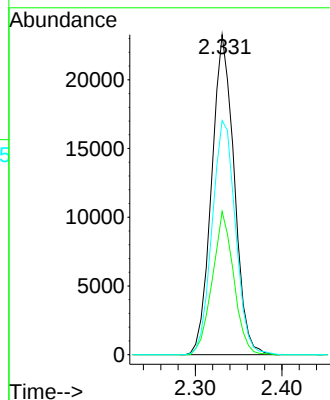
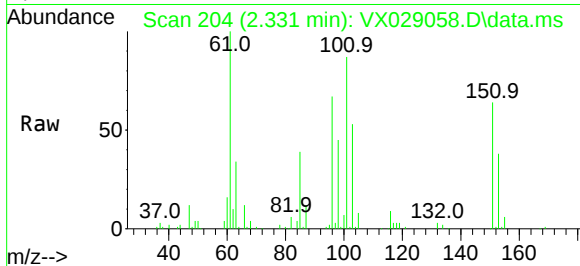




#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.566 ug/l
RT: 2.331 min Scan# 20
Delta R.T. 0.007 min
Lab File: VX029058.D
Acq: 28 May 2022 05:36

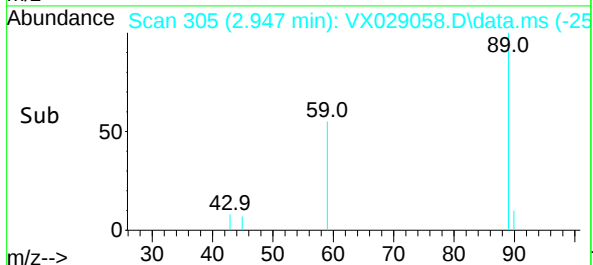
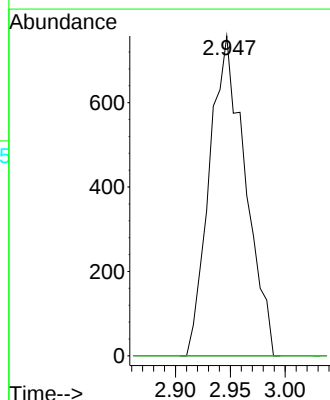
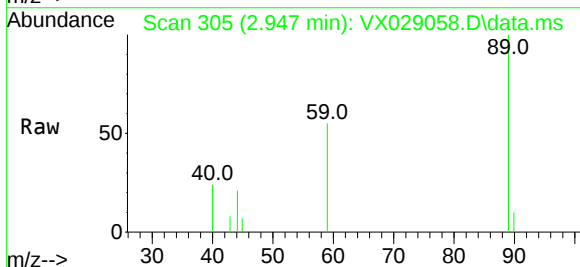
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20220525

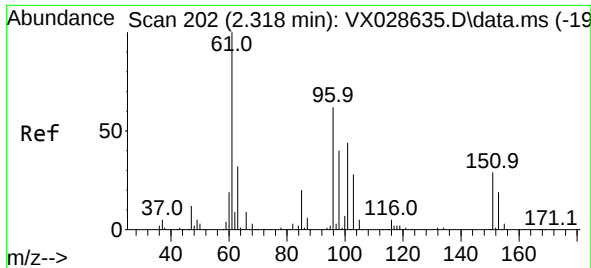
Tgt Ion:101 Resp: 42075
Ion Ratio Lower Upper
101 100
85 42.5 33.5 50.3
151 75.9 61.8 92.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.011 min
Lab File: VX029058.D
Acq: 28 May 2022 05:36

Tgt Ion: 59 Resp: 1723
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 12.558 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.001 min

Lab File: VX029058.D

Acq: 28 May 2022 05:36

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20220525

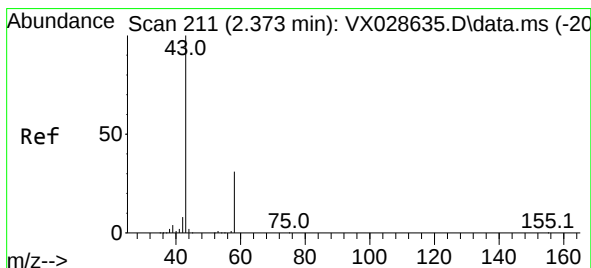
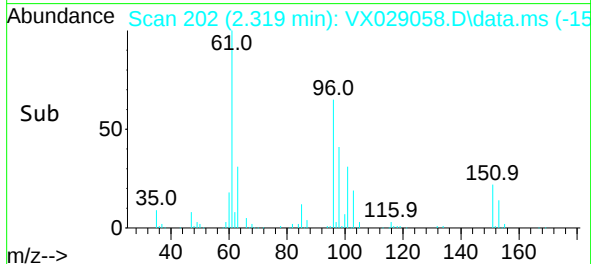
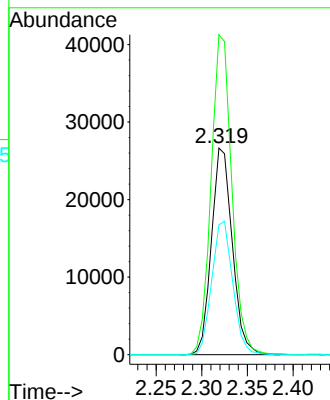
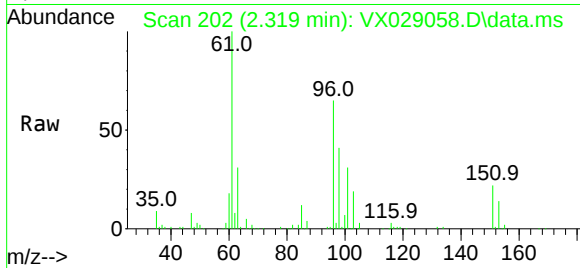
Tgt Ion: 96 Resp: 42408

Ion Ratio Lower Upper

96 100

61 155.0 124.6 187.0

98 62.8 51.0 76.4



#16

Acetone

Concen: 0.568 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.019 min

Lab File: VX029058.D

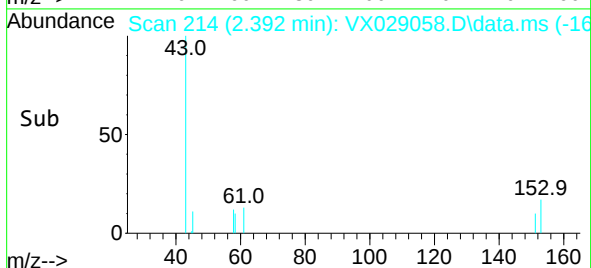
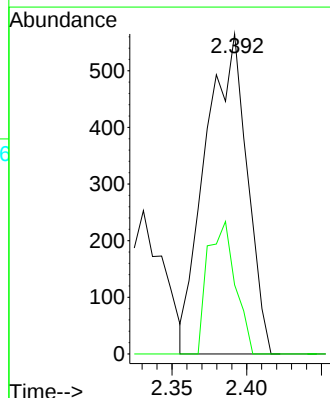
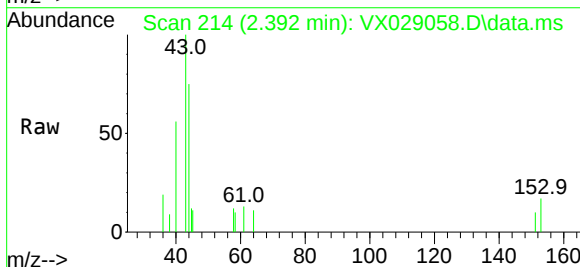
Acq: 28 May 2022 05:36

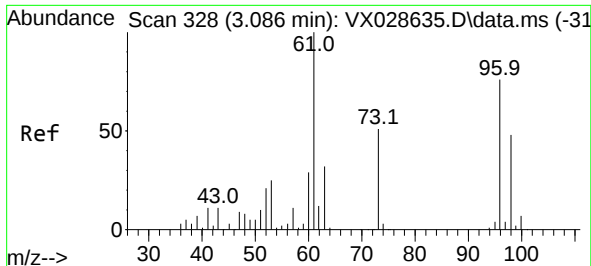
Tgt Ion: 43 Resp: 1090

Ion Ratio Lower Upper

43 100

58 21.6 28.8 43.2#

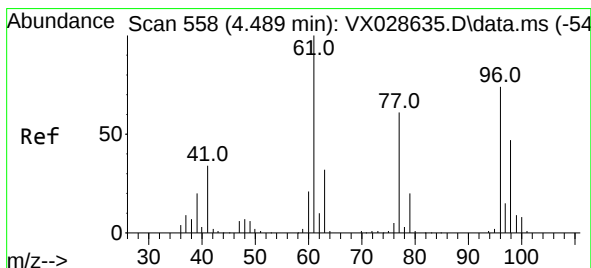
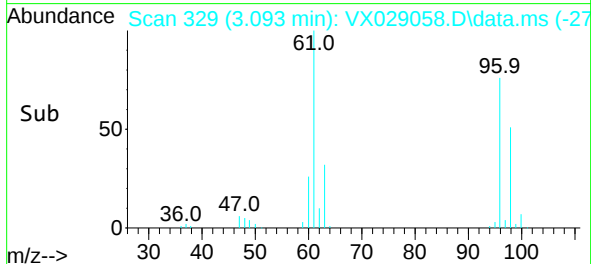
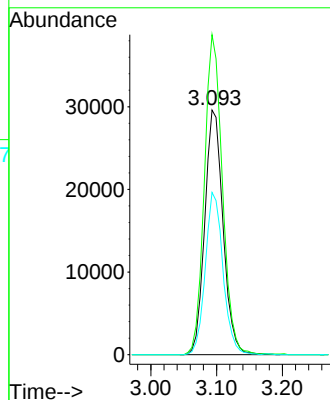
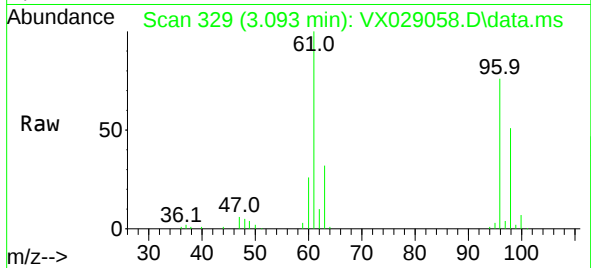




#21
trans-1,2-Dichloroethene
Concen: 15.061 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.007 min
Lab File: VX029058.D
Acq: 28 May 2022 05:36

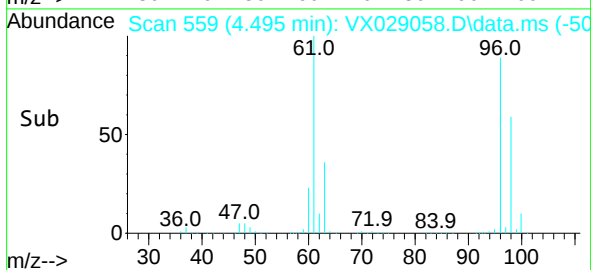
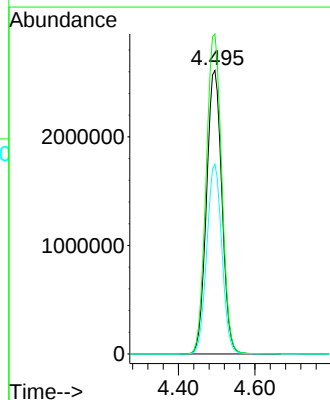
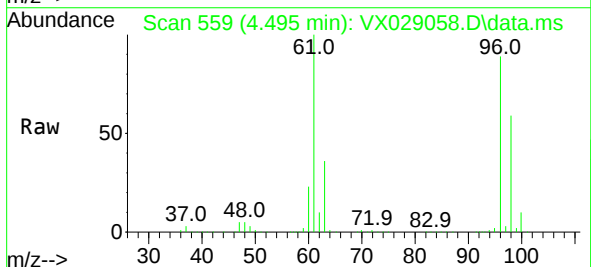
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DUP03-20220525

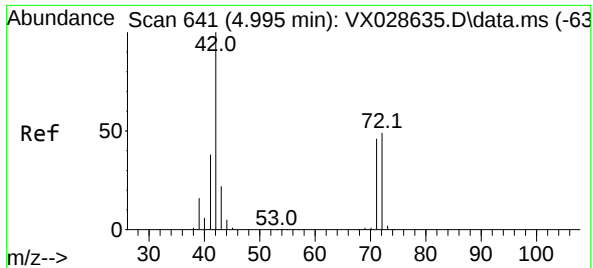
Tgt Ion: 96 Resp: 57286
Ion Ratio Lower Upper
96 100
61 130.8 105.4 158.2
98 66.3 50.0 75.0



#27
cis-1,2-Dichloroethene
Concen: 1640.797 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX029058.D
Acq: 28 May 2022 05:36

Tgt Ion: 96 Resp: 7289256
Ion Ratio Lower Upper
96 100
61 114.6 0.0 283.8
98 65.8 0.0 129.8





#29

Tetrahydrofuran

Concen: 0.779 ug/l

RT: 5.019 min Scan# 641

Delta R.T. 0.024 min

Lab File: VX029058.D

Acq: 28 May 2022 05:36

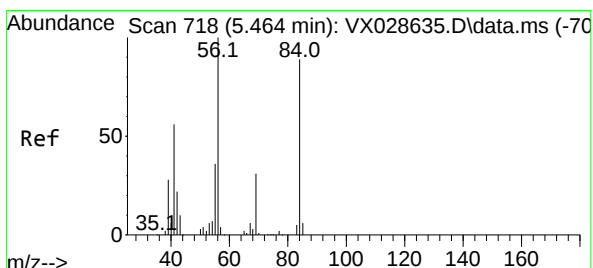
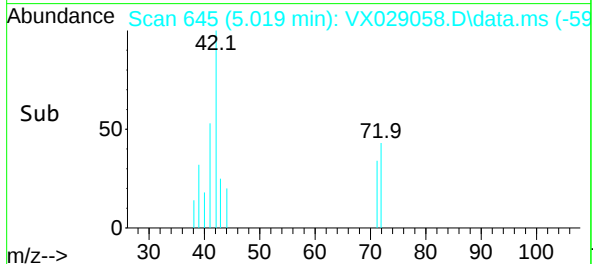
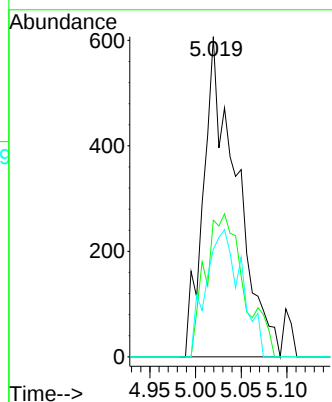
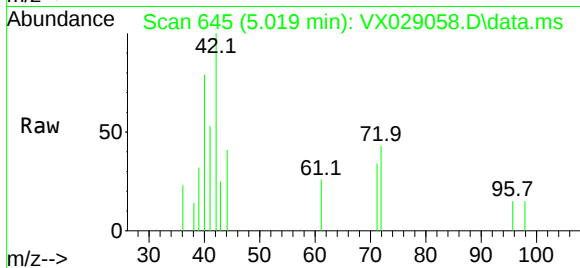
Instrument :

MSVOA_X

ClientSampleId :

DUP03-20220525

Tgt Ion:	42	Resp:	1526
Ion	Ratio	Lower	Upper
42	100		
72	52.2	44.1	66.1
71	42.7	40.5	60.7



#31

Cyclohexane

Concen: 0.942 ug/l

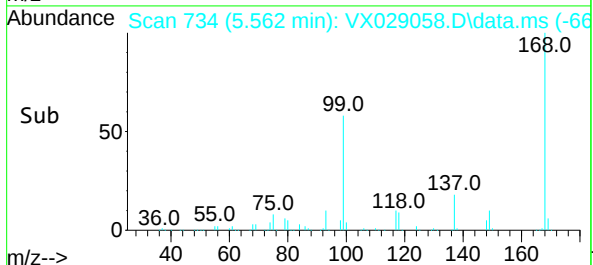
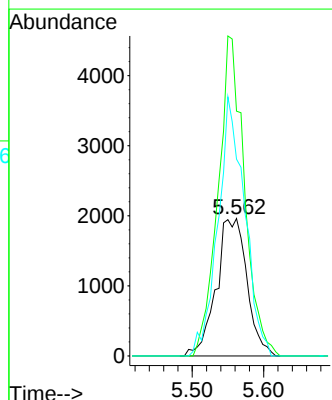
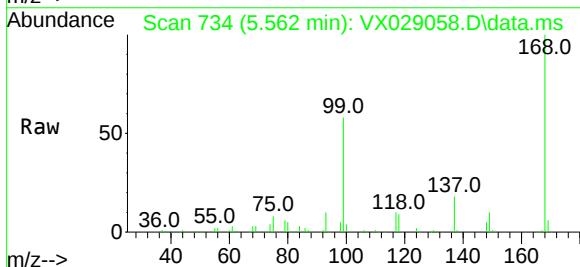
RT: 5.562 min Scan# 734

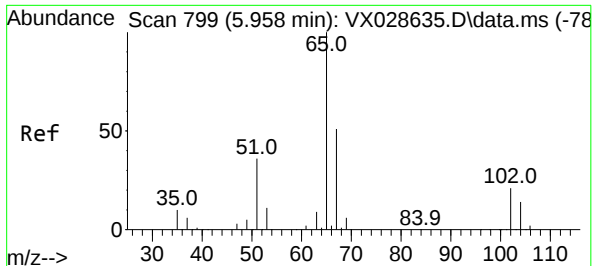
Delta R.T. 0.098 min

Lab File: VX029058.D

Acq: 28 May 2022 05:36

Tgt Ion:	56	Resp:	5849
Ion	Ratio	Lower	Upper
56	100		
69	178.1	26.7	40.1#
84	143.2	77.2	115.8#





#33

1,2-Dichloroethane-d4

Concen: 46.792 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029058.D

Acq: 28 May 2022 05:36

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MSVOA_X

ClientSampleId :

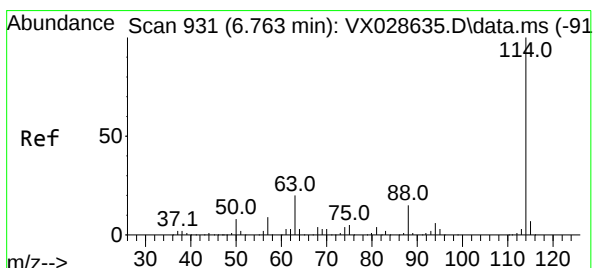
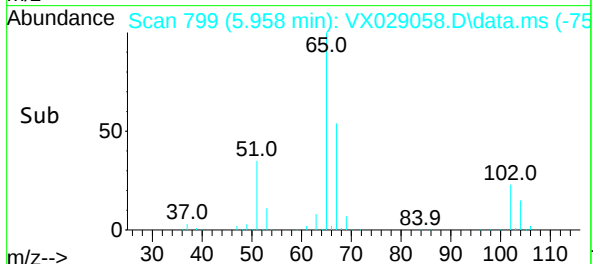
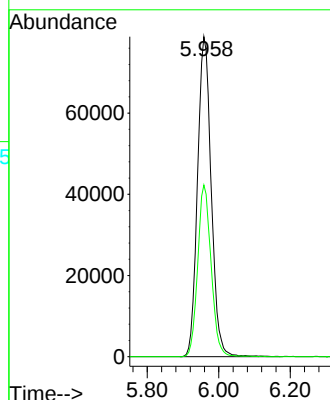
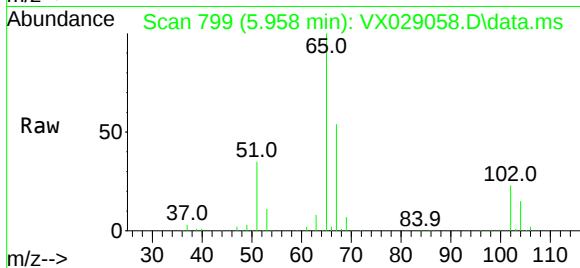
DUP03-20220525

Tgt Ion: 65 Resp: 209279

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX029058.D

Acq: 28 May 2022 05:36

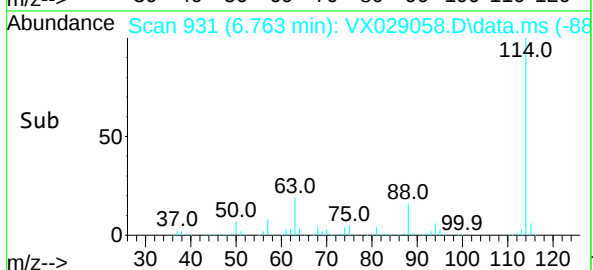
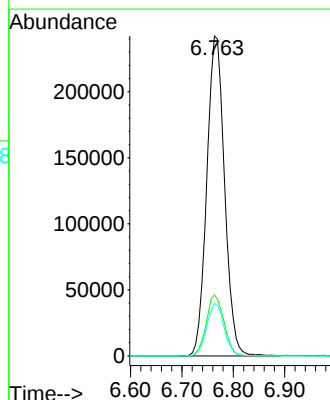
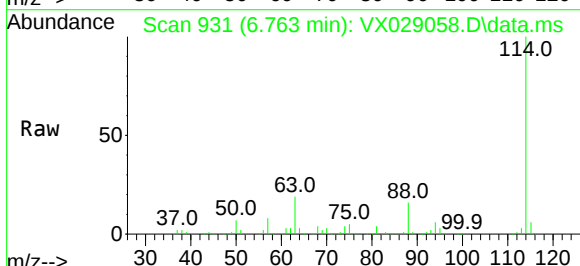
Tgt Ion: 114 Resp: 582385

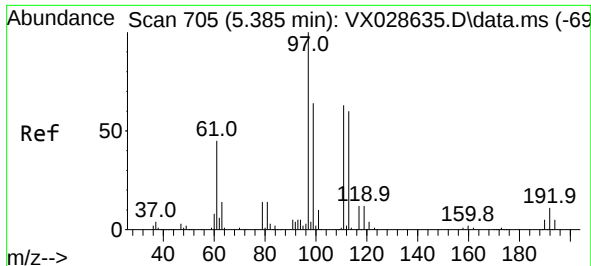
Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.8

88 16.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.061 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX029058.D

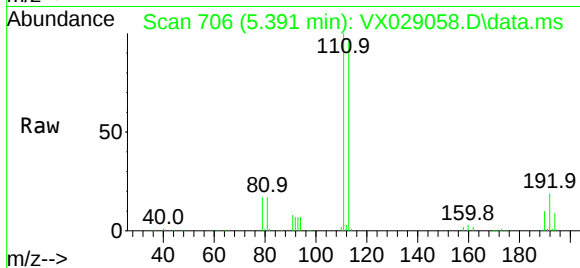
Acq: 28 May 2022 05:36

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20220525



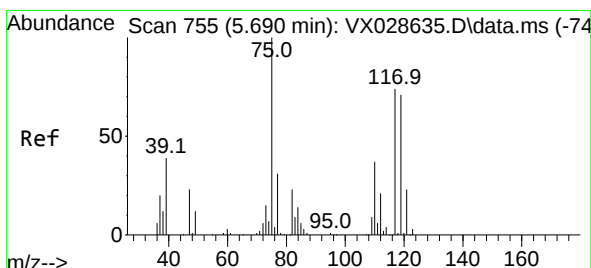
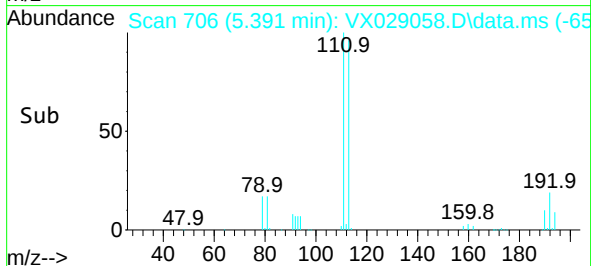
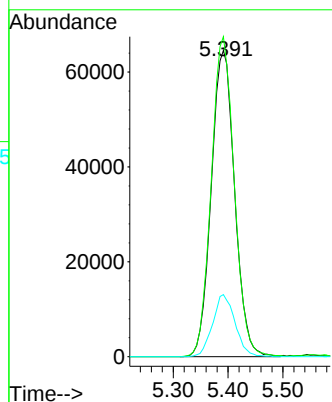
Tgt Ion:113 Resp: 191018

Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

192 19.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.280 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX029058.D

Acq: 28 May 2022 05:36

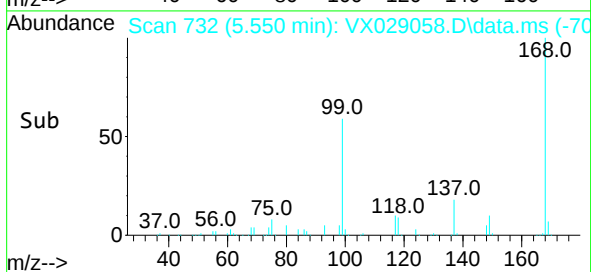
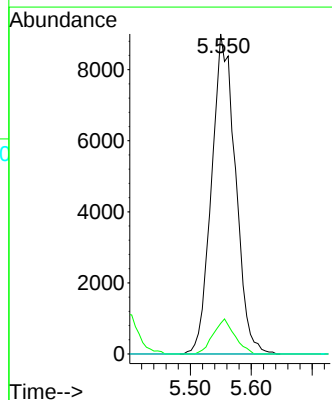
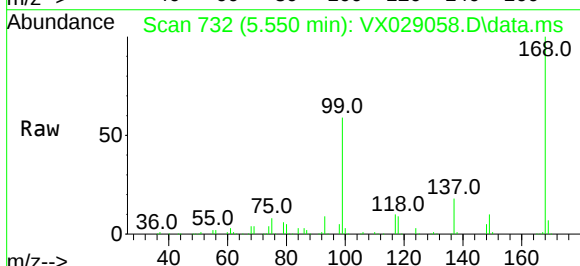
Tgt Ion: 75 Resp: 24531

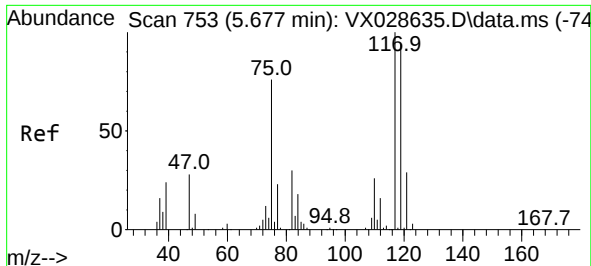
Ion Ratio Lower Upper

75 100

110 9.8 18.3 54.8#

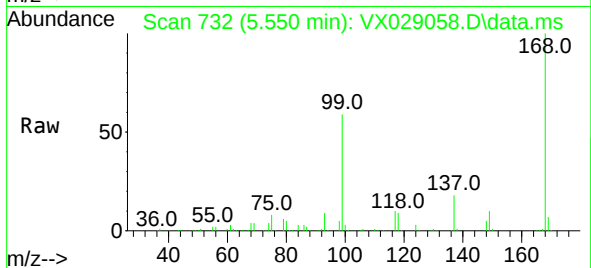
77 0.0 24.8 37.2#



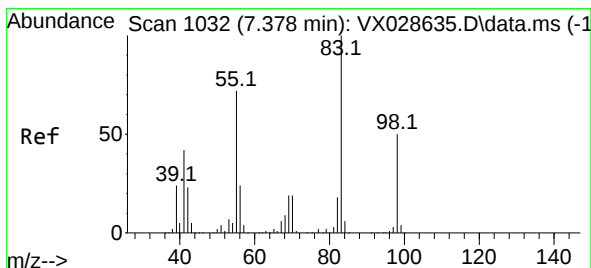
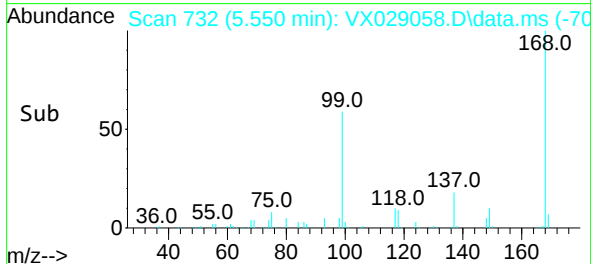
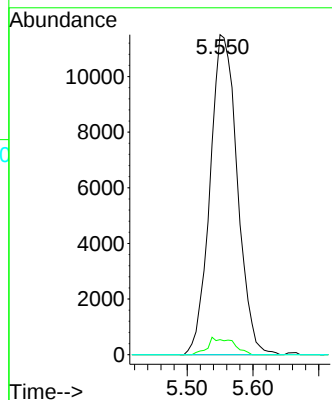


#38
Carbon Tetrachloride
Concen: 5.762 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX029058.D
Acq: 28 May 2022 05:36

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20220525

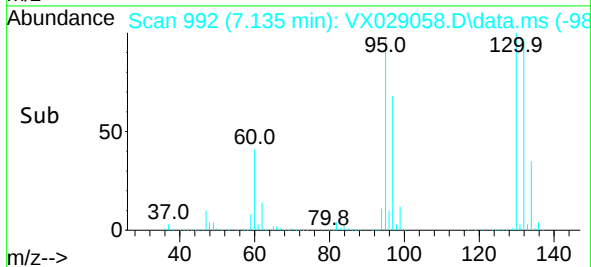
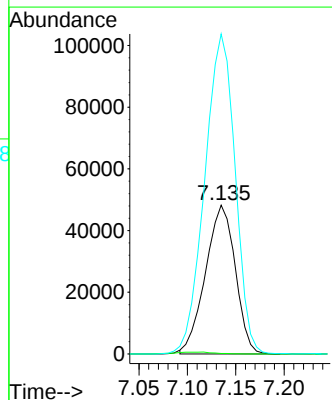
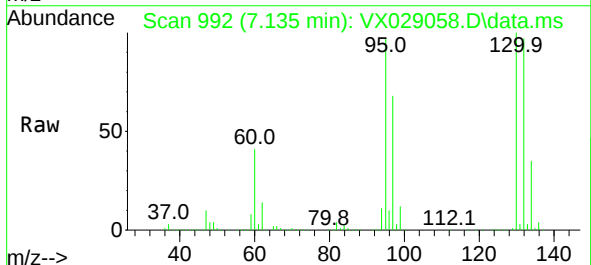


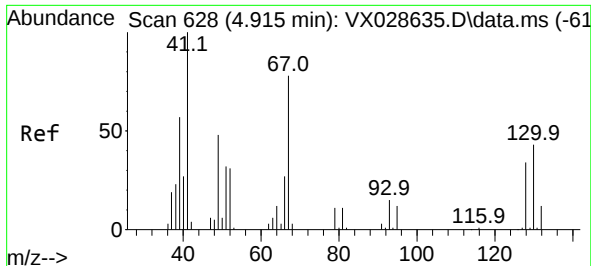
Tgt Ion:117 Resp: 33235
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 15.703 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.243 min
Lab File: VX029058.D
Acq: 28 May 2022 05:36

Tgt Ion: 83 Resp: 103209
Ion Ratio Lower Upper
83 100
55 0.4 54.6 81.8#
98 214.9 37.4 56.2#

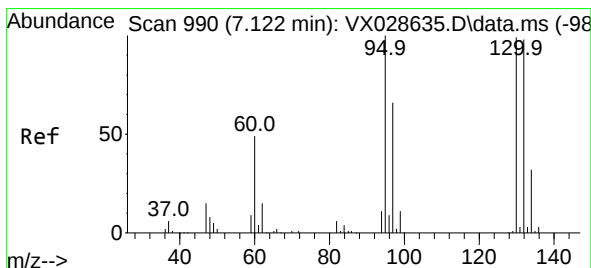
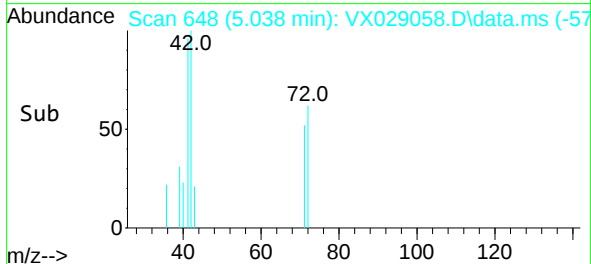
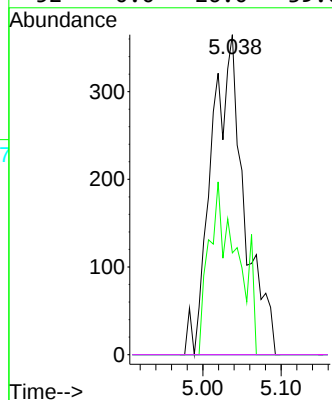
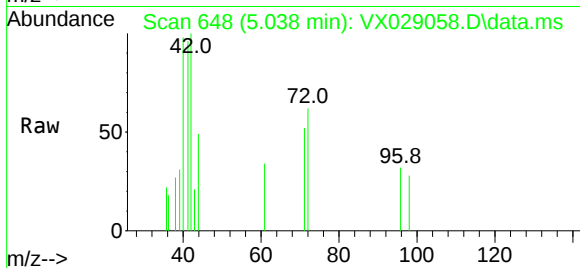




#41
Methacrylonitrile
Concen: 0.331 ug/l
RT: 5.038 min Scan# 641
Delta R.T. 0.123 min
Lab File: VX029058.D
Acq: 28 May 2022 05:36

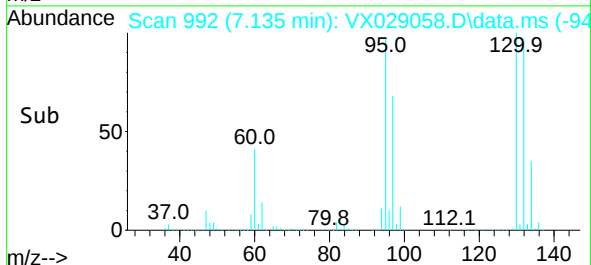
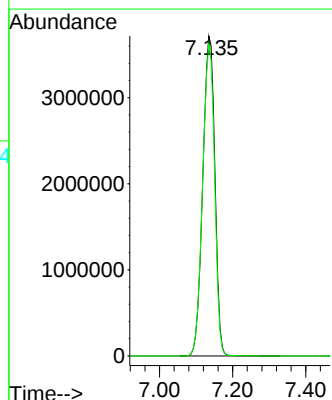
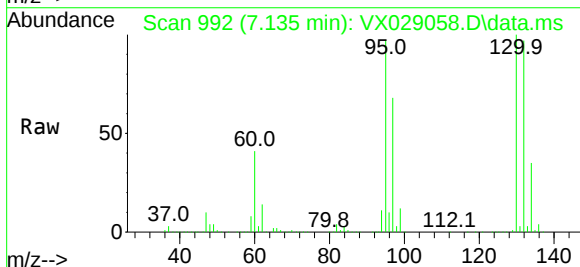
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20220525

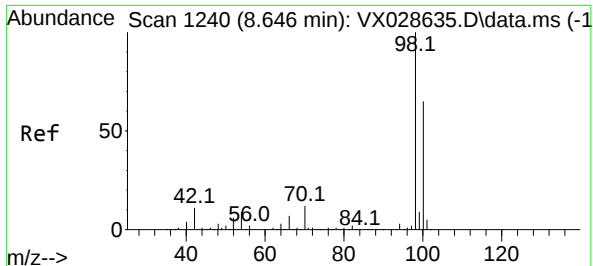
Tgt Ion:	41	Resp:	1063
Ion	Ratio	Lower	Upper
41	100		
39	46.2	43.0	64.4
67	0.0	70.2	105.4#
52	0.0	26.0	39.0#



#44
Trichloroethene
Concen: 1905.590 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.013 min
Lab File: VX029058.D
Acq: 28 May 2022 05:36

Tgt Ion:	130	Resp:	8512419
Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	188.8

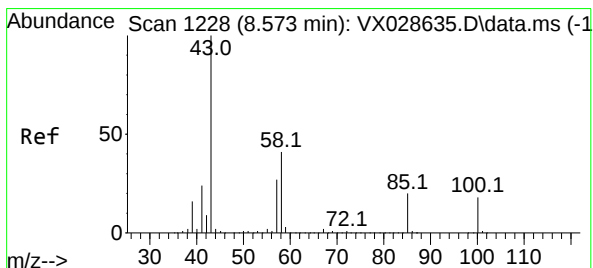
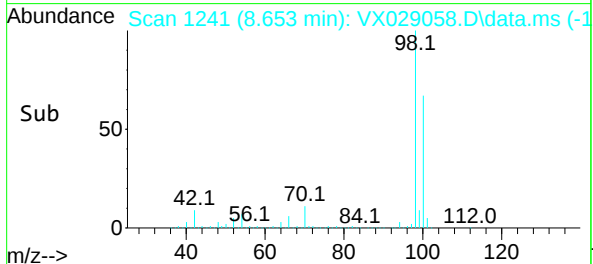
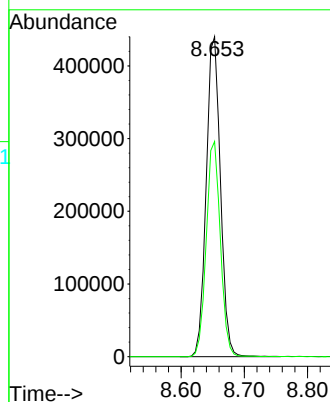
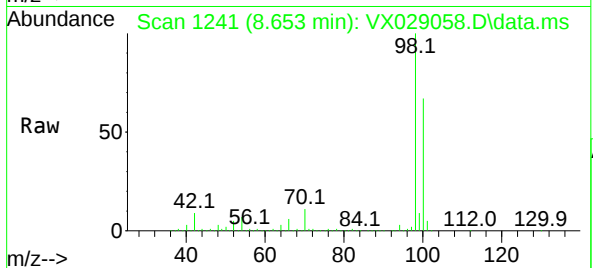




#50
Toluene-d8
Concen: 47.928 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX029058.D
Acq: 28 May 2022 05:36

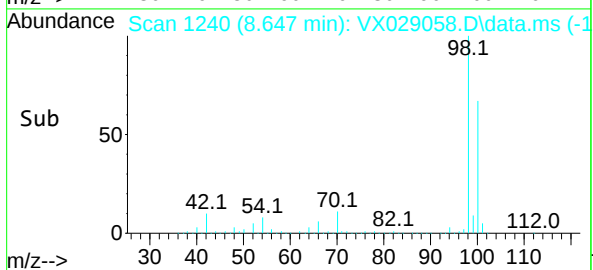
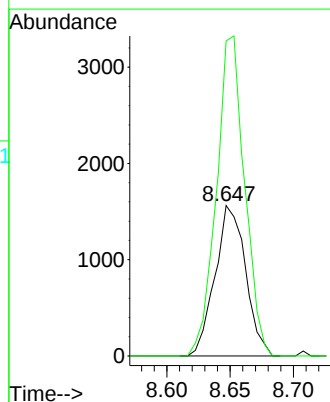
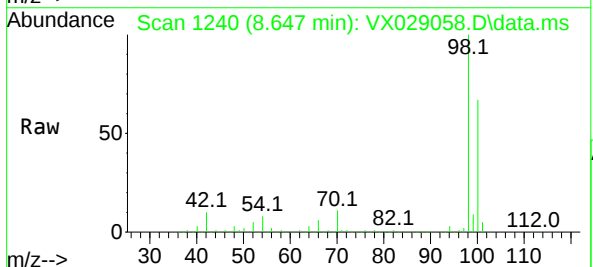
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20220525

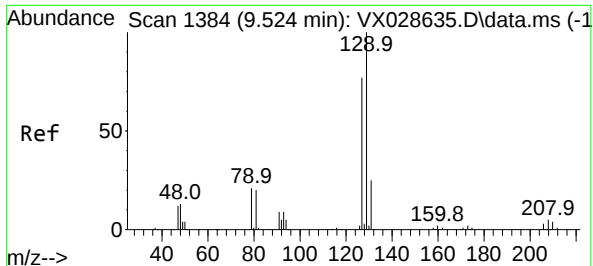
Tgt Ion: 98 Resp: 689489
Ion Ratio Lower Upper
98 100
100 66.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.425 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.074 min
Lab File: VX029058.D
Acq: 28 May 2022 05:36

Tgt Ion: 43 Resp: 2621
Ion Ratio Lower Upper
43 100
58 196.8 36.1 54.1#

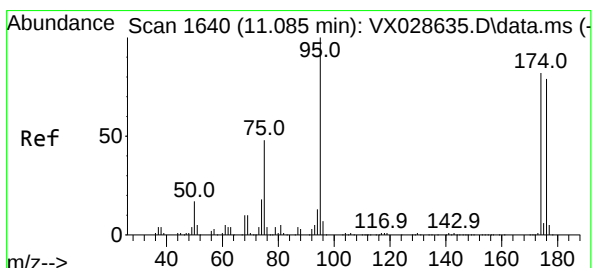
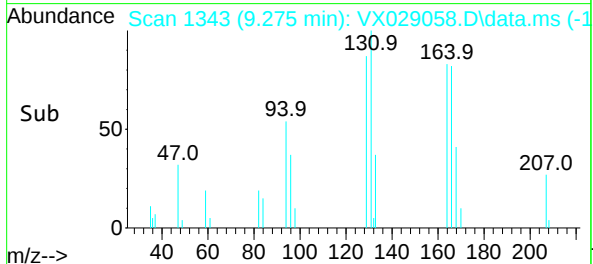
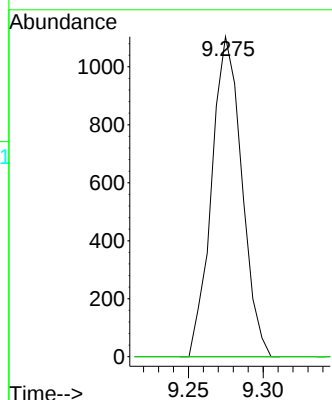
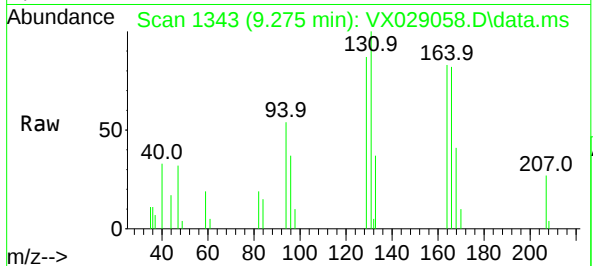




#60
Dibromochloromethane
Concen: 0.368 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.249 min
Lab File: VX029058.D
Acq: 28 May 2022 05:36

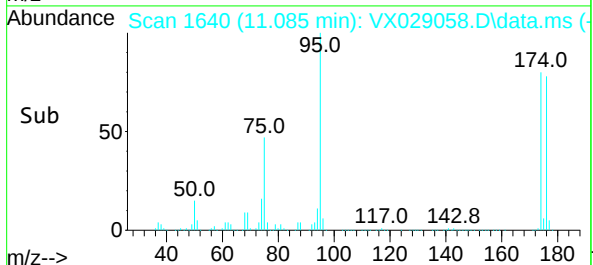
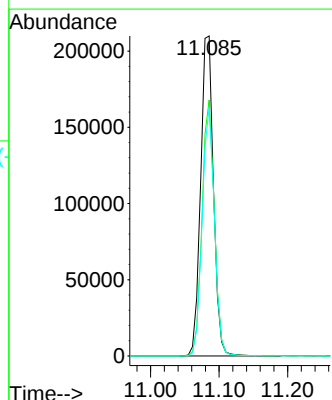
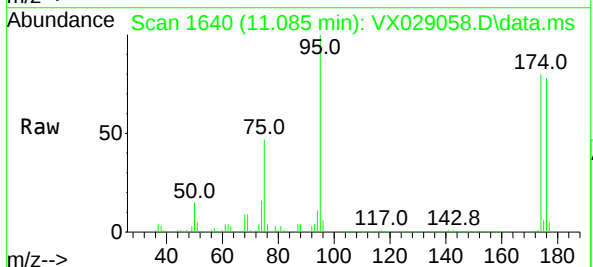
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20220525

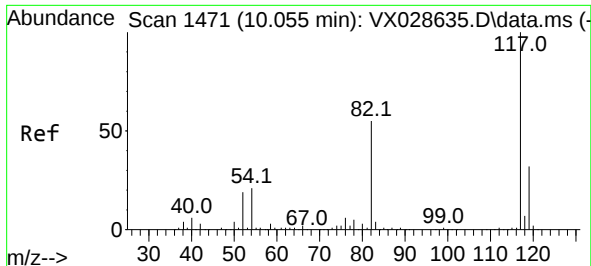
Tgt Ion:129 Resp: 1549
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#



#62
4-Bromofluorobenzene
Concen: 51.007 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX029058.D
Acq: 28 May 2022 05:36

Tgt Ion: 95 Resp: 274072
Ion Ratio Lower Upper
95 100
174 77.1 0.0 163.0
176 74.0 0.0 155.0

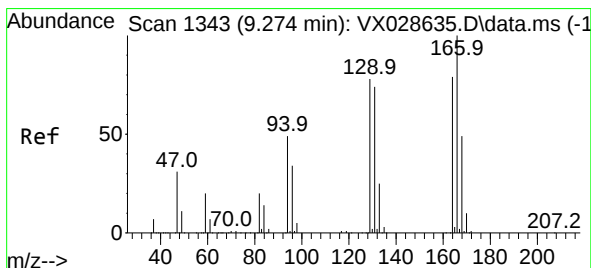
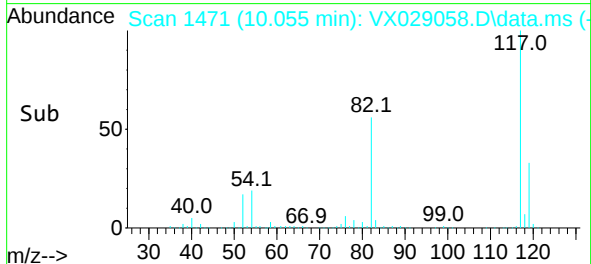
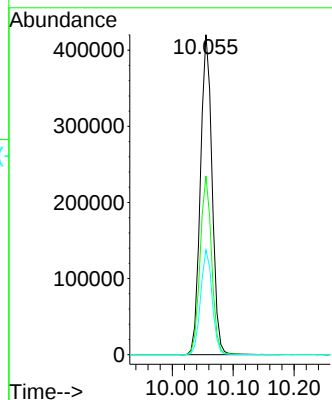
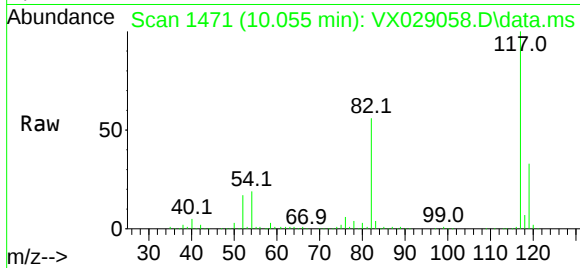




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029058.D
Acq: 28 May 2022 05:36

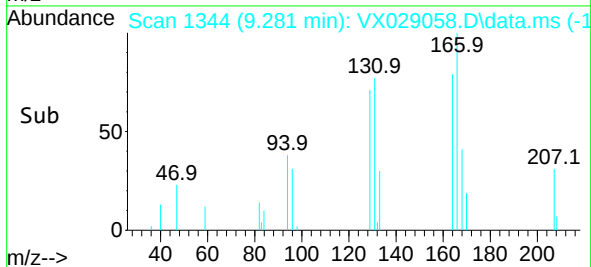
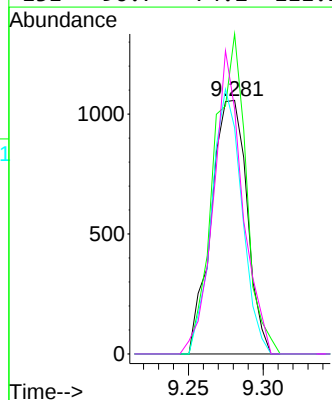
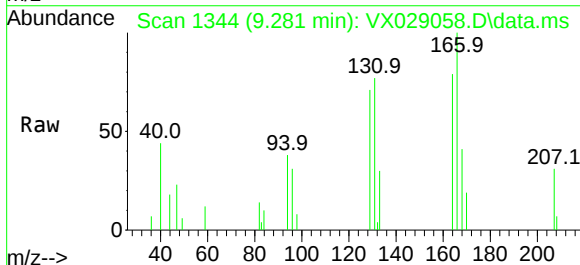
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20220525

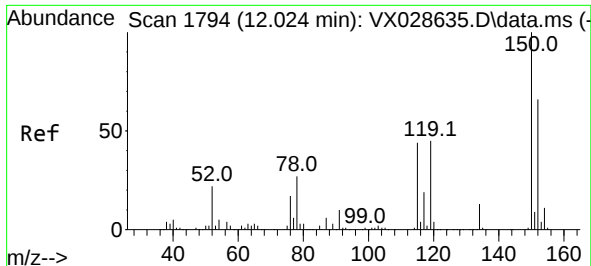
Tgt Ion:117 Resp: 559529
Ion Ratio Lower Upper
117 100
82 55.8 41.8 62.8
119 32.8 24.8 37.2



#64
Tetrachloroethene
Concen: 0.415 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.007 min
Lab File: VX029058.D
Acq: 28 May 2022 05:36

Tgt Ion:164 Resp: 1752
Ion Ratio Lower Upper
164 100
166 126.2 101.2 151.8
129 89.2 73.0 109.4
131 96.7 74.2 111.2

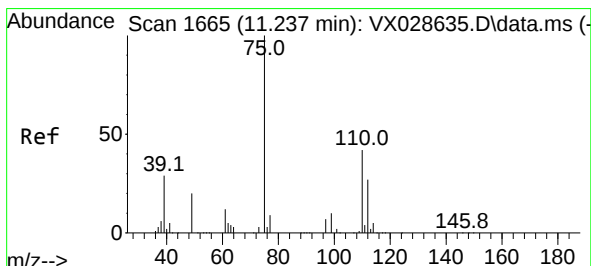
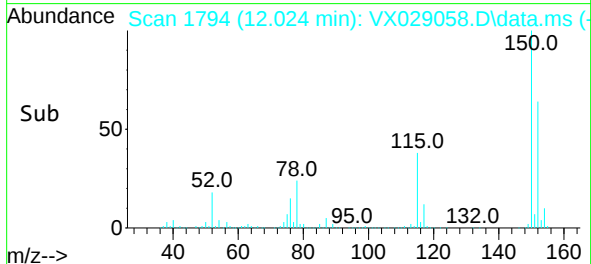
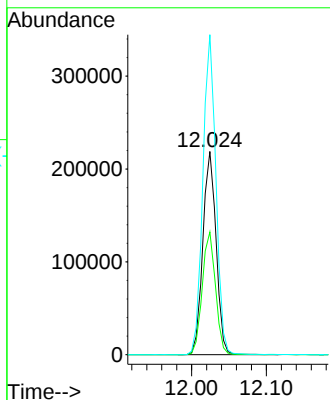
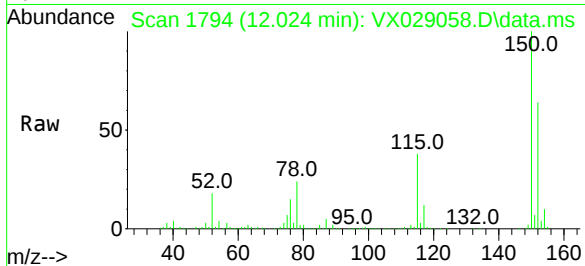




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029058.D
Acq: 28 May 2022 05:36

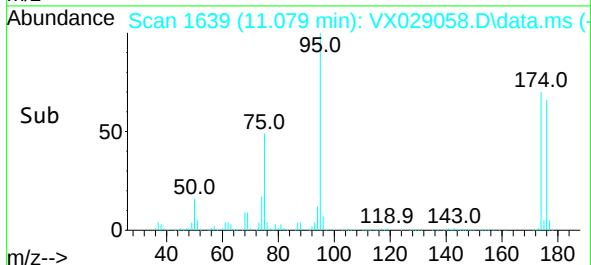
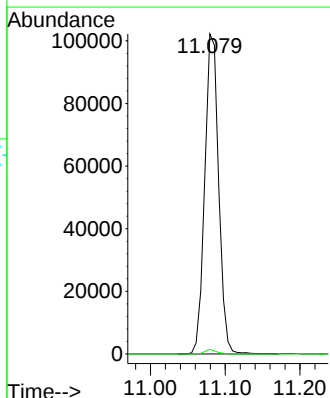
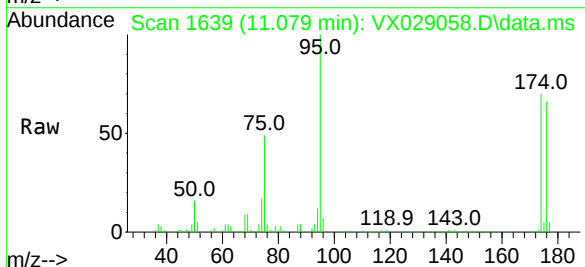
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20220525

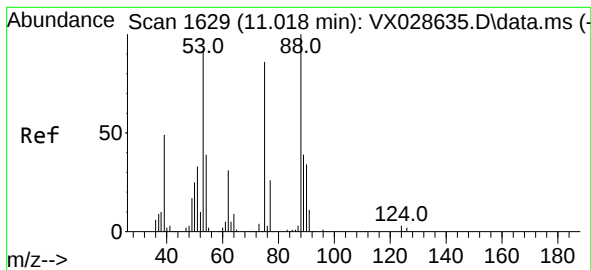
Tgt Ion:152 Resp: 269909
Ion Ratio Lower Upper
152 100
115 60.3 37.5 112.7
150 154.8 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 20.912 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX029058.D
Acq: 28 May 2022 05:36

Tgt Ion: 75 Resp: 132185
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.427 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX029058.D
 Acq: 28 May 2022 05:36

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20220525

Tgt Ion: 75 Resp: 132185
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

