

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029056.D
 Acq On : 28 May 2022 04:49
 Operator : JC/MD
 Sample : N3022-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 08BR-20220525

Quant Time: May 28 08:39:17 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)

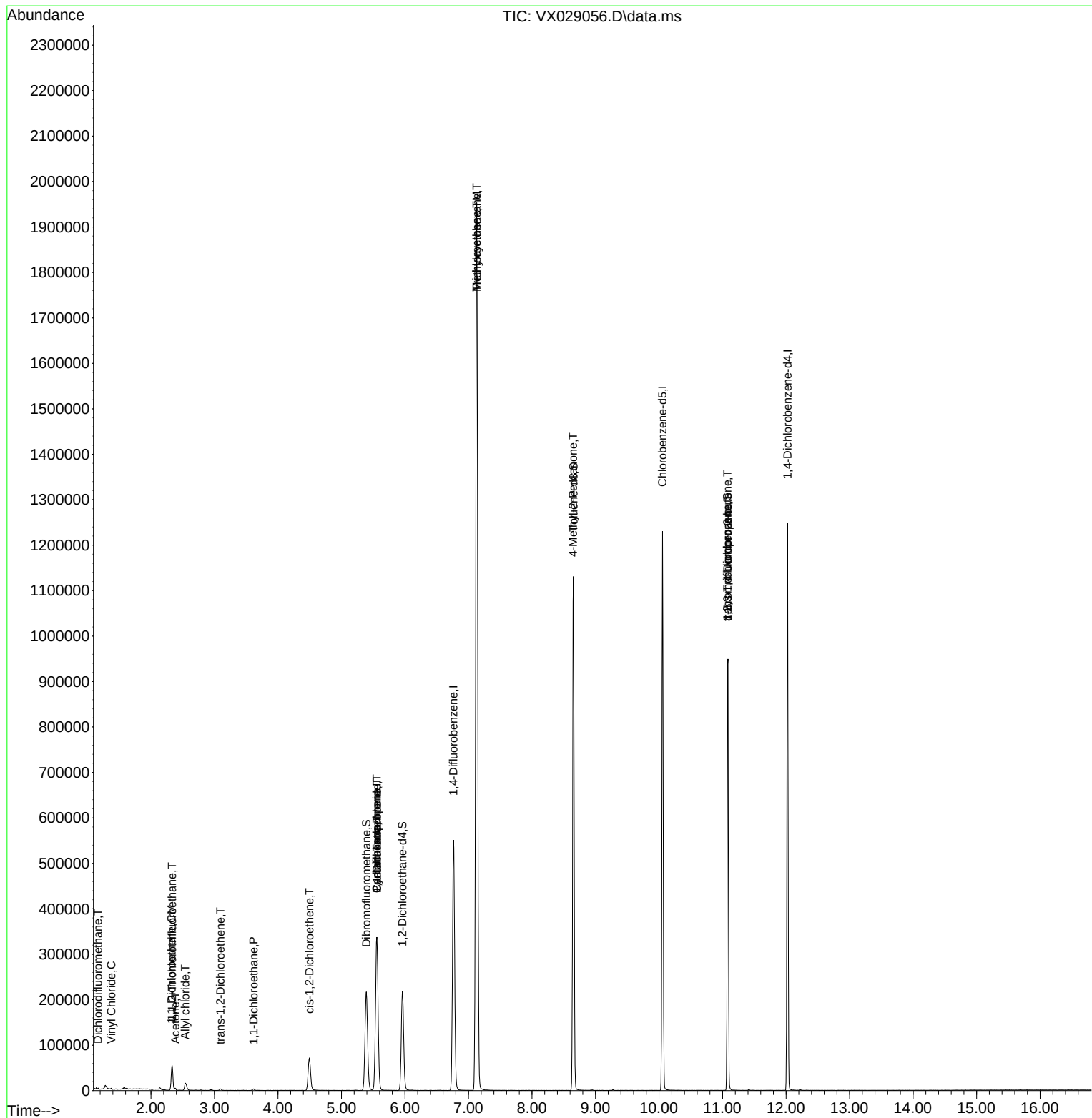
Internal Standards						
1) Pentafluorobenzene	5.556	168	326458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	584092	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	560214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	259251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	213470	47.703	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.400%
35) Dibromofluoromethane	5.391	113	191115	49.940	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.880%
50) Toluene-d8	8.653	98	695701	48.219	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.440%
62) 4-Bromofluorobenzene	11.079	95	270287	50.155	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1253	0.293	ug/l	91
4) Vinyl Chloride	1.373	62	1214	0.280	ug/l #	27
5) Bromomethane	1.617	94	1114	Below Cal	#	72
6) Chloroethane	1.672	64	840	Below Cal	#	43
9) 1,1,2-Trichlorotrifluo...	2.330	101	21318	5.857	ug/l	98
11) Tert butyl alcohol	2.946	59	920	Below Cal	#	72
12) 1,1-Dichloroethene	2.324	96	1736	0.514	ug/l	94
14) Allyl chloride	2.538	41	2118	0.391	ug/l #	53
16) Acetone	2.385	43	4941	2.573	ug/l #	85
21) trans-1,2-Dichloroethene	3.093	96	1542	0.405	ug/l	93
24) 1,1-Dichloroethane	3.617	63	3547	0.527	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	48262	10.858	ug/l	87
31) Cyclohexane	5.556	56	5958	0.959	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	23789	4.139	ug/l #	50
38) Carbon Tetrachloride	5.556	117	33497	5.791	ug/l #	15
39) Methylcyclohexane	7.128	83	8785	1.333	ug/l #	1
44) Trichloroethene	7.128	130	790857	176.524	ug/l	98
51) 4-Methyl-2-Pentanone	8.646	43	2736	0.442	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	130649	21.519	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	130649	63.097	ug/l #	15

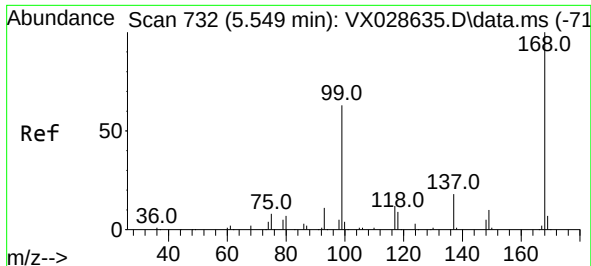
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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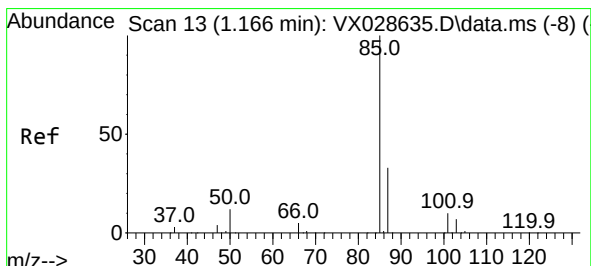
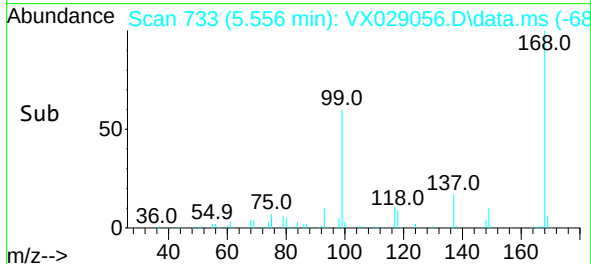
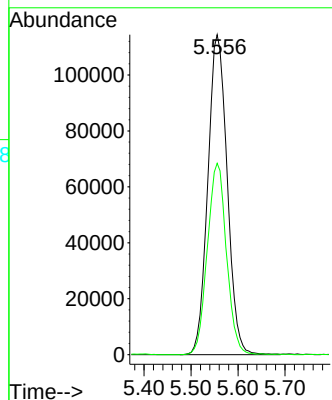
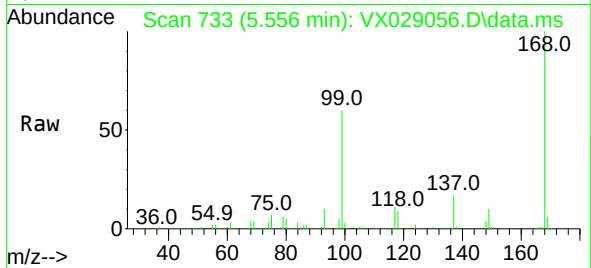




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX029056.D
Acq: 28 May 2022 04:49

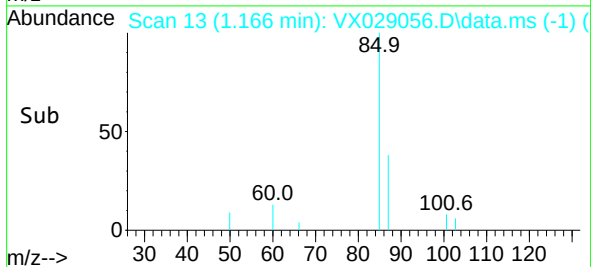
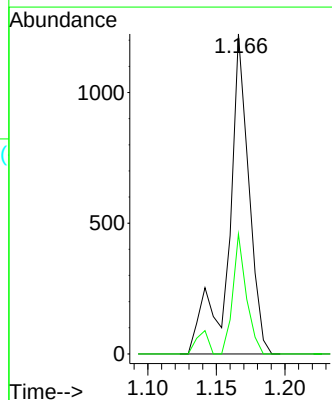
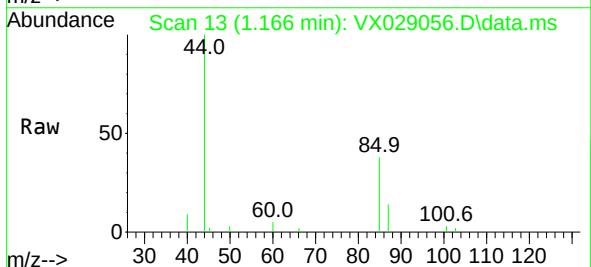
Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

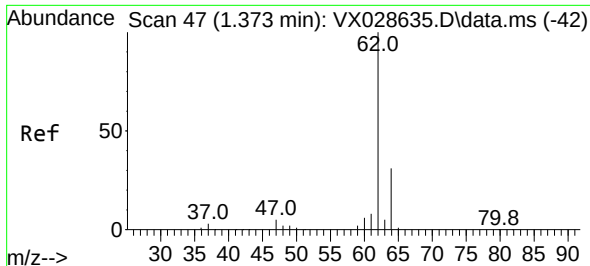
Tgt Ion:168 Resp: 326458
Ion Ratio Lower Upper
168 100
99 59.8 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.293 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX029056.D
Acq: 28 May 2022 04:49

Tgt Ion: 85 Resp: 1253
Ion Ratio Lower Upper
85 100
87 37.5 16.2 48.6

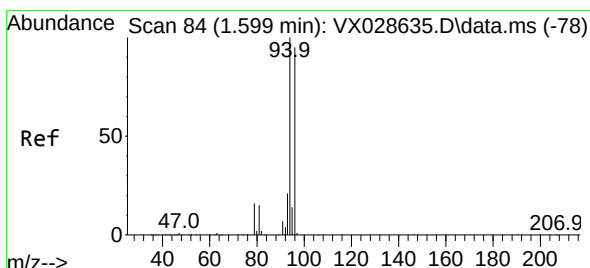
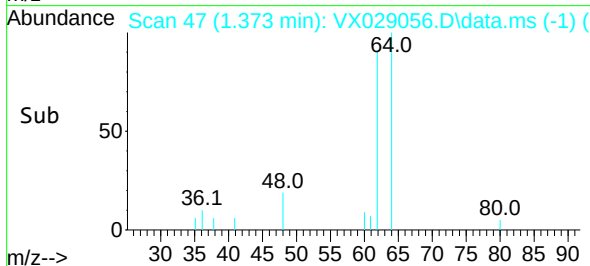
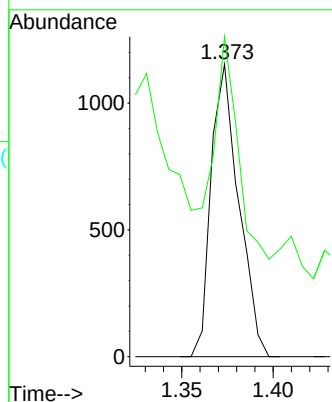
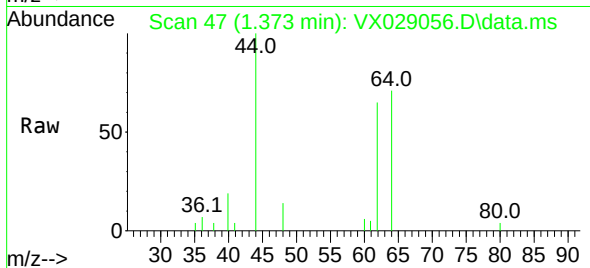




#4
 Vinyl Chloride
 Concen: 0.280 ug/l
 RT: 1.373 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX029056.D
 Acq: 28 May 2022 04:49

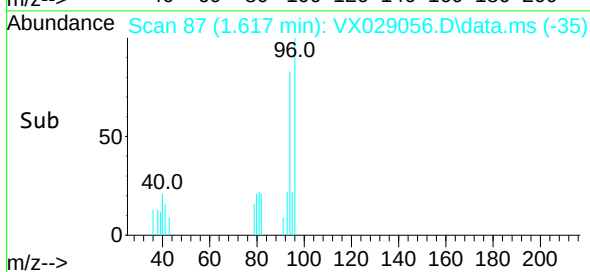
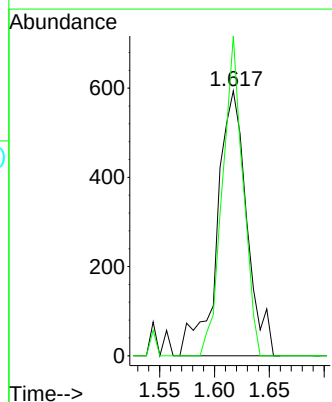
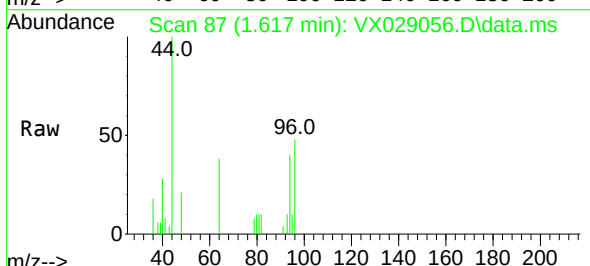
Instrument :
 MSVOA_X
 ClientSampleId :
 08BR-20220525

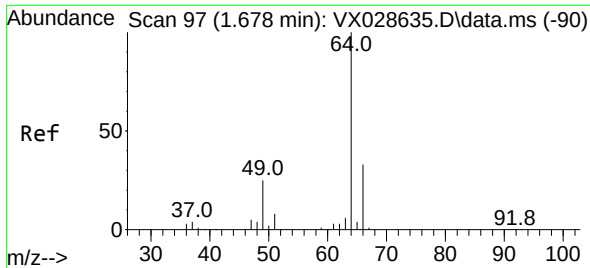
Tgt Ion: 62 Resp: 1214
 Ion Ratio Lower Upper
 62 100
 64 72.6 25.5 38.3#



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.617 min Scan# 87
 Delta R.T. 0.018 min
 Lab File: VX029056.D
 Acq: 28 May 2022 04:49

Tgt Ion: 94 Resp: 1114
 Ion Ratio Lower Upper
 94 100
 96 120.7 75.3 112.9#

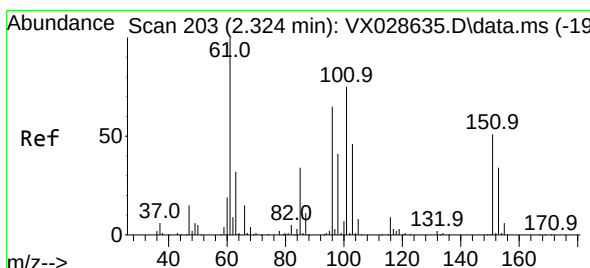
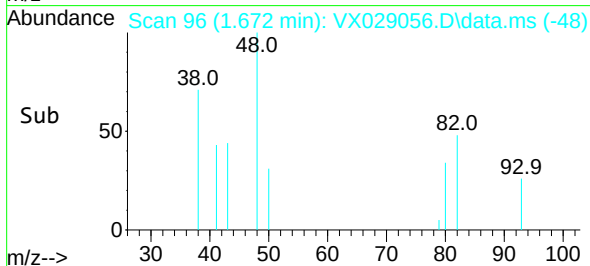
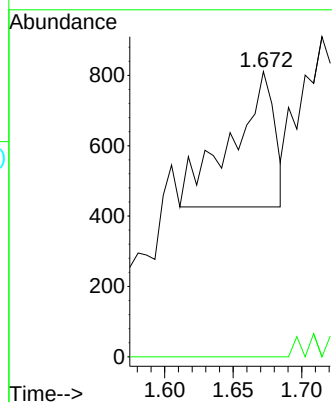
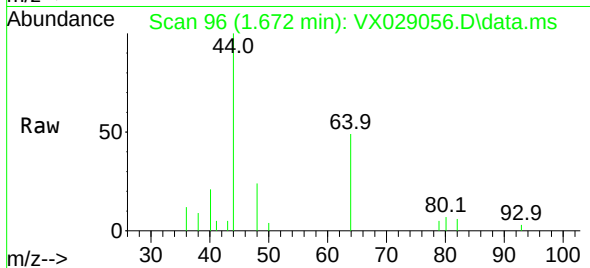




#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 90
Delta R.T. -0.006 min
Lab File: VX029056.D
Acq: 28 May 2022 04:49

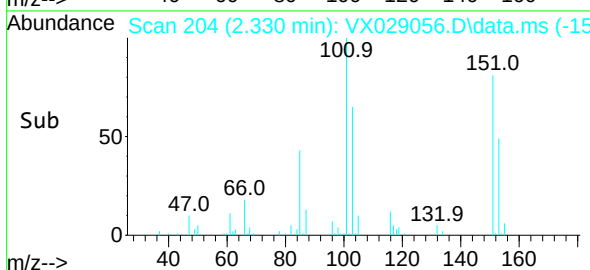
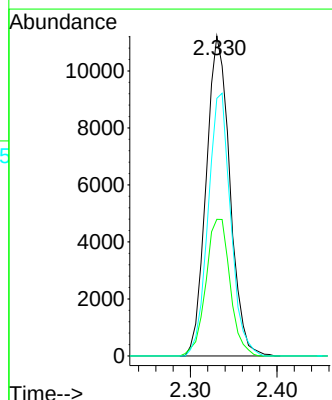
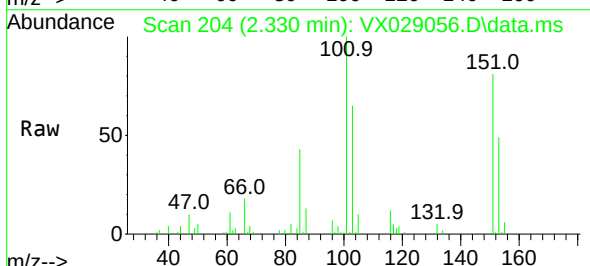
Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

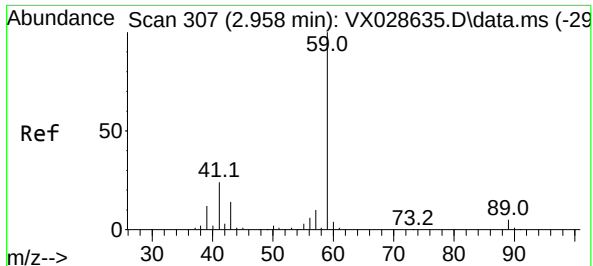
Tgt Ion: 64 Resp: 840
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.857 ug/l
RT: 2.330 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX029056.D
Acq: 28 May 2022 04:49

Tgt Ion: 101 Resp: 21318
Ion Ratio Lower Upper
101 100
85 43.7 33.5 50.3
151 78.5 61.8 92.6





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.946 min Scan# 307

Delta R.T. -0.012 min

Lab File: VX029056.D

Acq: 28 May 2022 04:49

Instrument :

MSVOA_X

ClientSampleId :

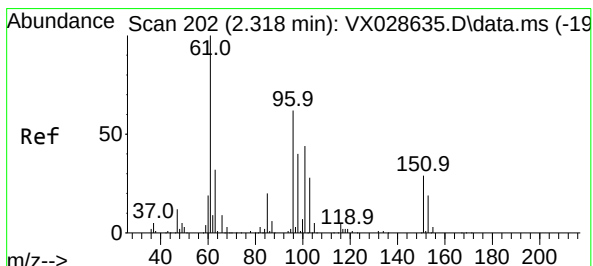
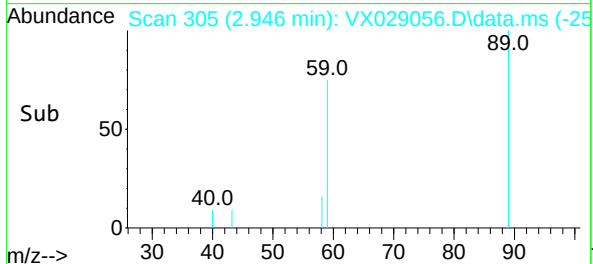
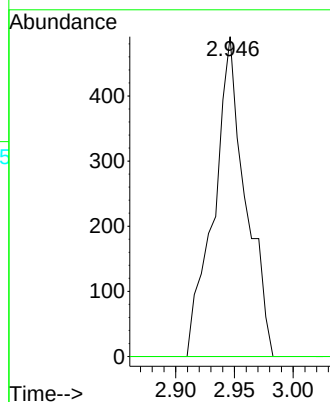
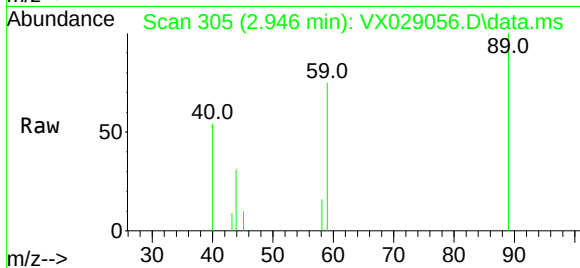
08BR-20220525

Tgt Ion: 59 Resp: 920

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 0.514 ug/l

RT: 2.324 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX029056.D

Acq: 28 May 2022 04:49

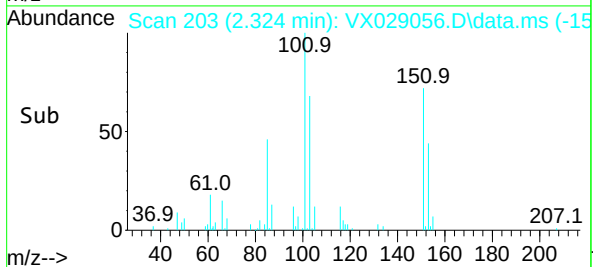
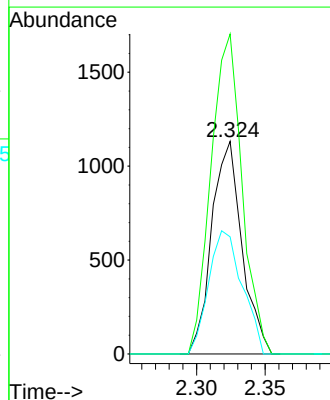
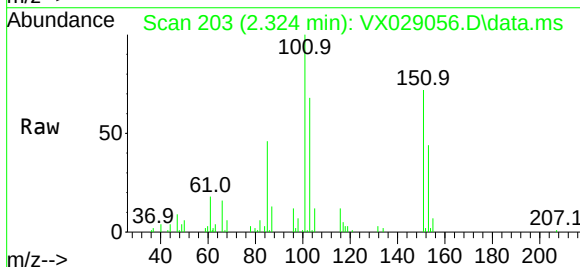
Tgt Ion: 96 Resp: 1736

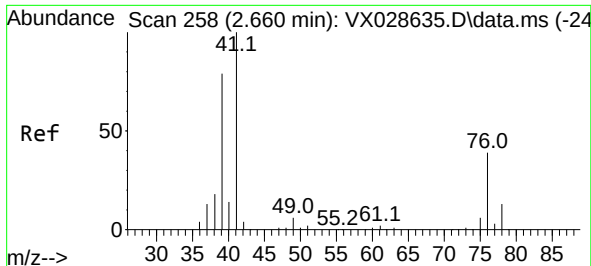
Ion Ratio Lower Upper

96 100

61 150.5 124.6 187.0

98 55.1 51.0 76.4





#14

Allyl chloride

Concen: 0.391 ug/l

RT: 2.538 min Scan# 2118

Delta R.T. -0.122 min

Lab File: VX029056.D

Acq: 28 May 2022 04:49

Instrument :

MSVOA_X

ClientSampleId :

08BR-20220525

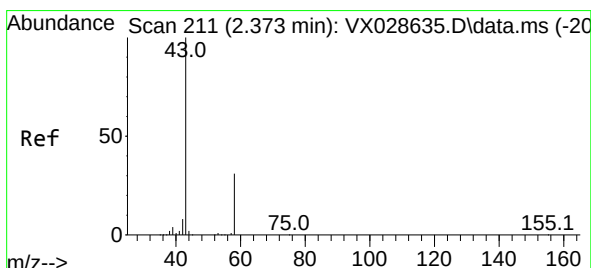
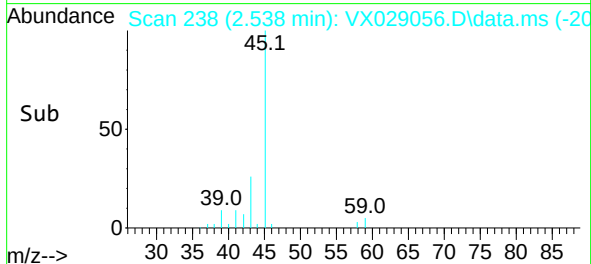
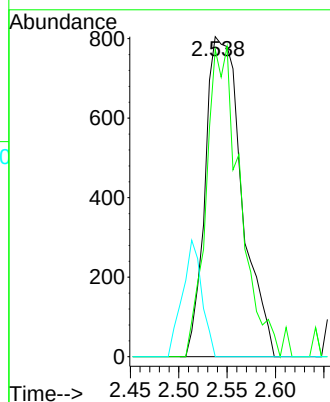
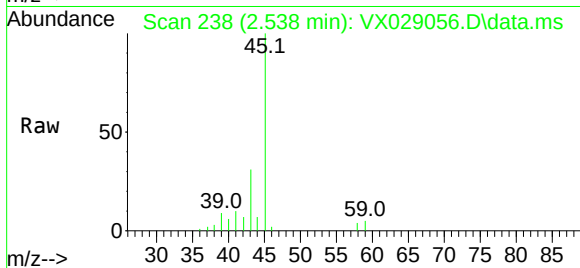
Tgt Ion: 41 Resp: 2118

Ion Ratio Lower Upper

41 100

39 89.5 50.4 75.6#

76 0.0 32.7 49.1#



#16

Acetone

Concen: 2.573 ug/l

RT: 2.385 min Scan# 213

Delta R.T. 0.012 min

Lab File: VX029056.D

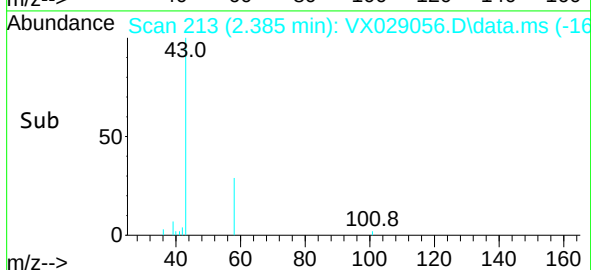
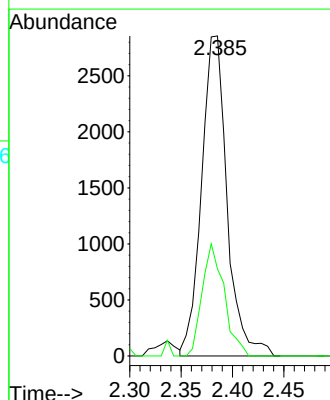
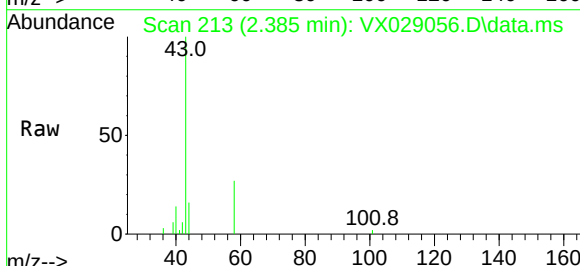
Acq: 28 May 2022 04:49

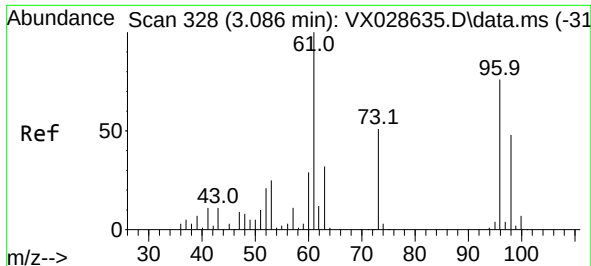
Tgt Ion: 43 Resp: 4941

Ion Ratio Lower Upper

43 100

58 27.2 28.8 43.2#

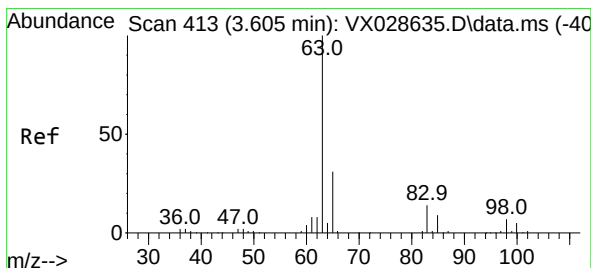
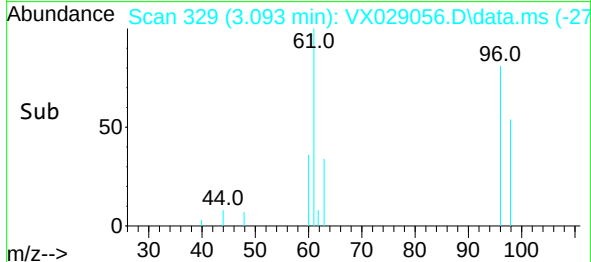
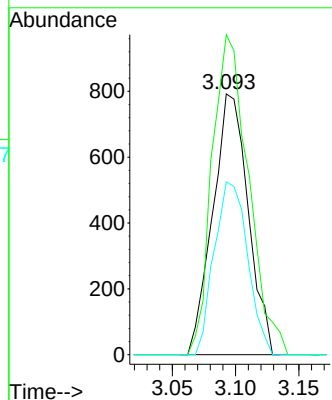
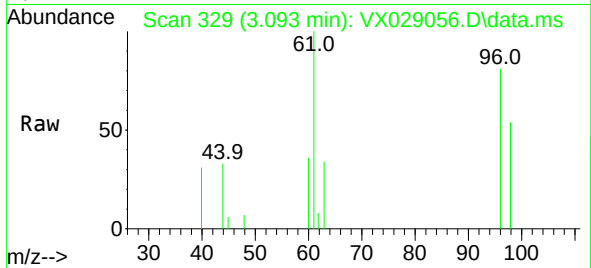




#21
trans-1,2-Dichloroethene
Concen: 0.405 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.007 min
Lab File: VX029056.D
Acq: 28 May 2022 04:49

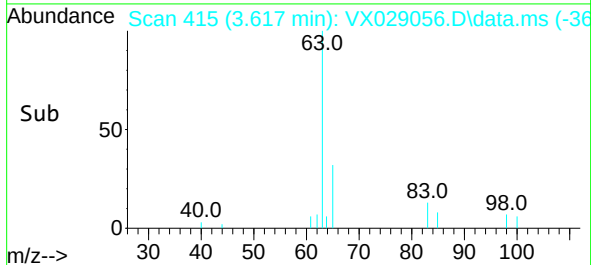
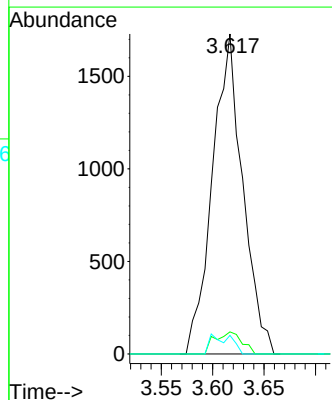
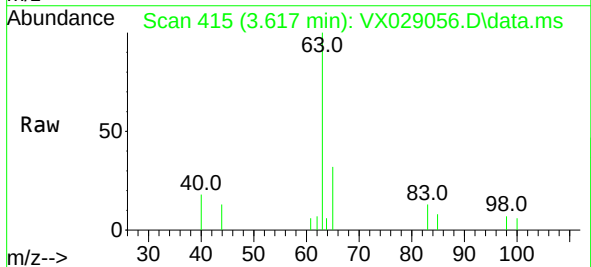
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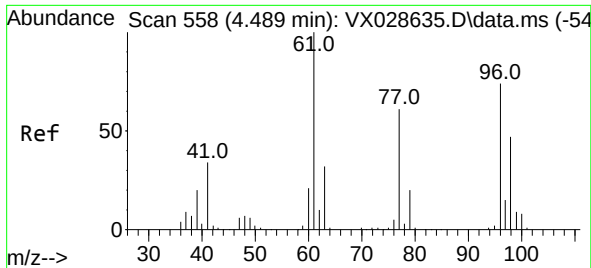
Tgt Ion: 96 Resp: 1542
Ion Ratio Lower Upper
96 100
61 122.7 105.4 158.2
98 66.3 50.0 75.0



#24
1,1-Dichloroethane
Concen: 0.527 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.012 min
Lab File: VX029056.D
Acq: 28 May 2022 04:49

Tgt Ion: 63 Resp: 3547
Ion Ratio Lower Upper
63 100
98 6.9 3.9 11.7
100 5.8 2.4 7.2

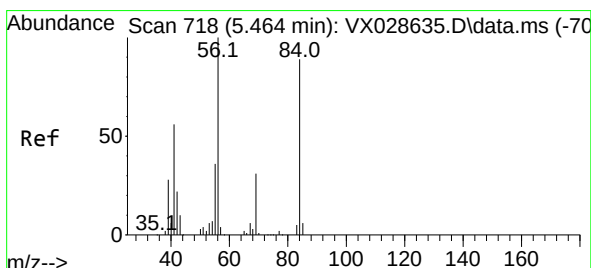
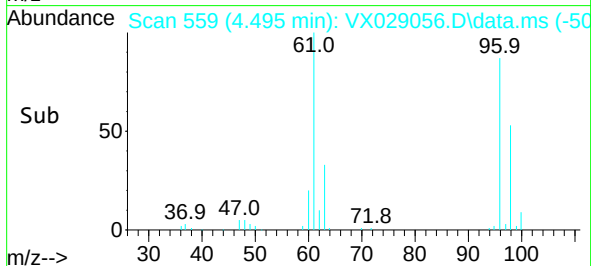
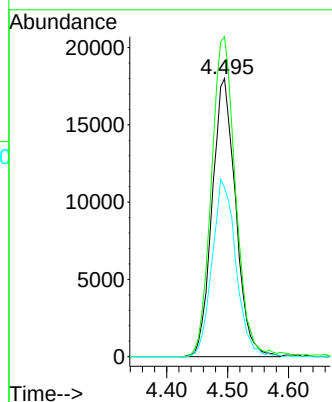
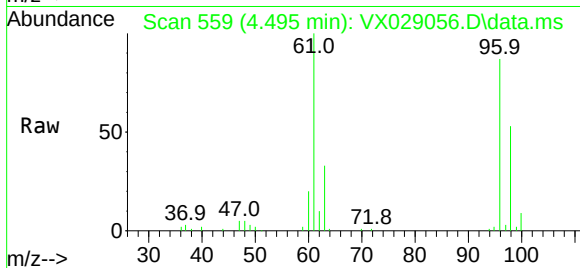




#27
 cis-1,2-Dichloroethene
 Concen: 10.858 ug/l
 RT: 4.495 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VX029056.D
 Acq: 28 May 2022 04:49

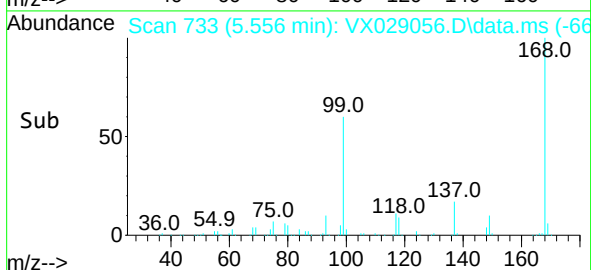
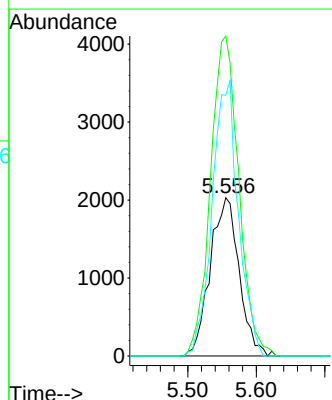
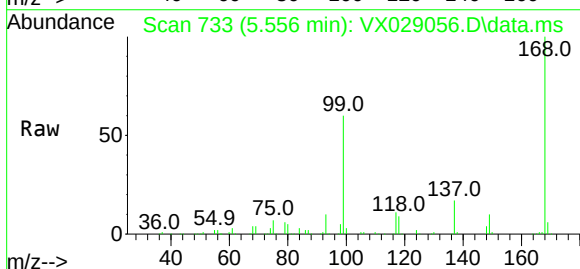
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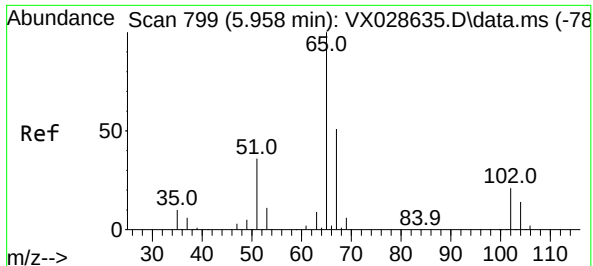
Tgt Ion:	96	Resp:	48262
Ion	Ratio	Lower	Upper
96	100		
61	118.9	0.0	283.8
98	64.5	0.0	129.8



#31
 Cyclohexane
 Concen: 0.959 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. 0.092 min
 Lab File: VX029056.D
 Acq: 28 May 2022 04:49

Tgt Ion:	56	Resp:	5958
Ion	Ratio	Lower	Upper
56	100		
69	202.2	26.7	40.1#
84	164.8	77.2	115.8#





#33

1,2-Dichloroethane-d4

Concen: 47.703 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX029056.D

Acq: 28 May 2022 04:49

Instrument :

MSVOA_X

ClientSampleId :

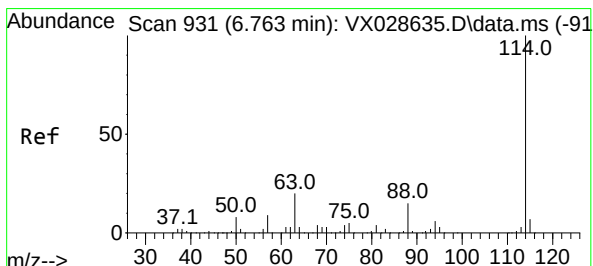
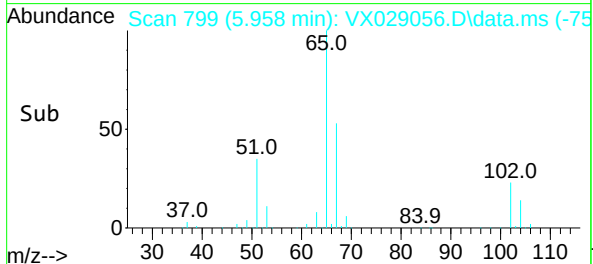
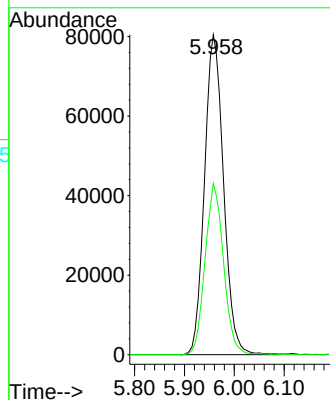
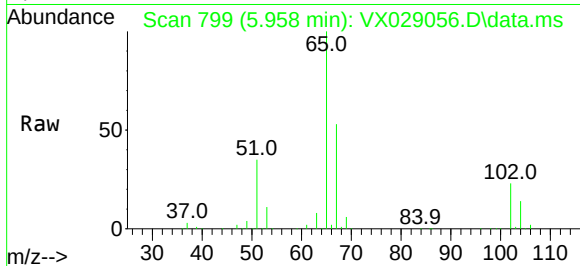
08BR-20220525

Tgt Ion: 65 Resp: 213470

Ion Ratio Lower Upper

65 100

67 52.0 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: VX029056.D

Acq: 28 May 2022 04:49

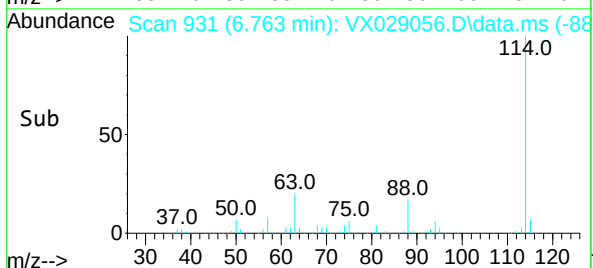
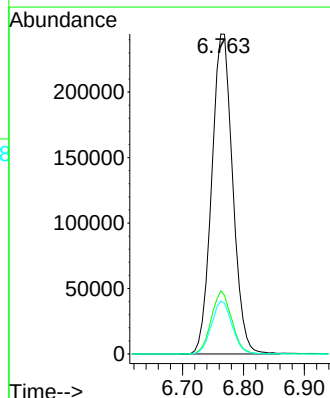
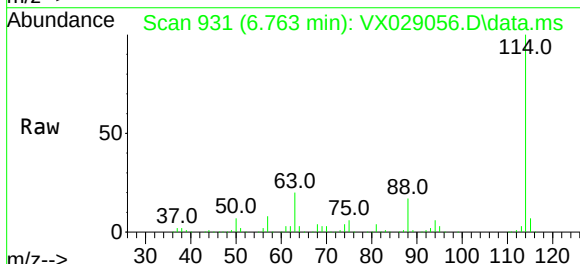
Tgt Ion: 114 Resp: 584092

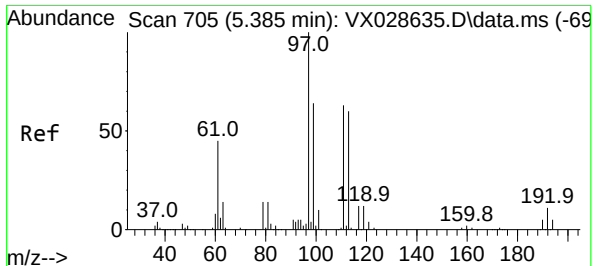
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.8

88 16.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.940 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX029056.D

Acq: 28 May 2022 04:49

Instrument :

MSVOA_X

ClientSampleId :

08BR-20220525

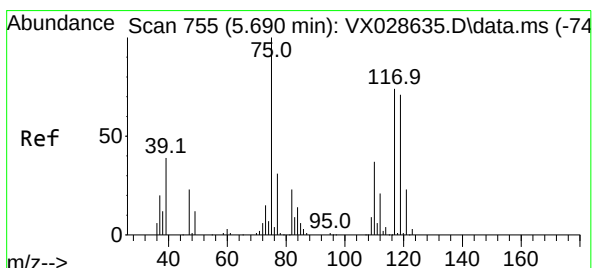
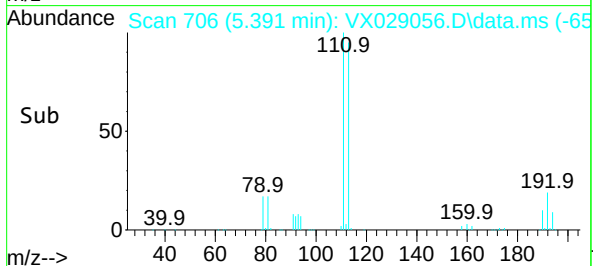
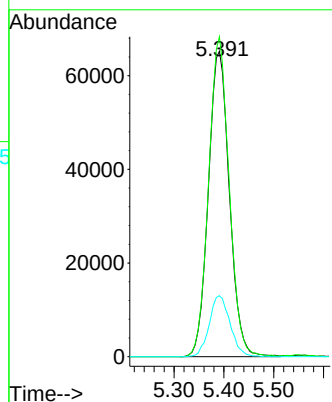
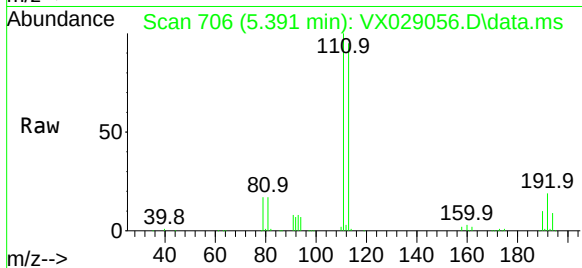
Tgt Ion:113 Resp: 191115

Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

192 19.8 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.139 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX029056.D

Acq: 28 May 2022 04:49

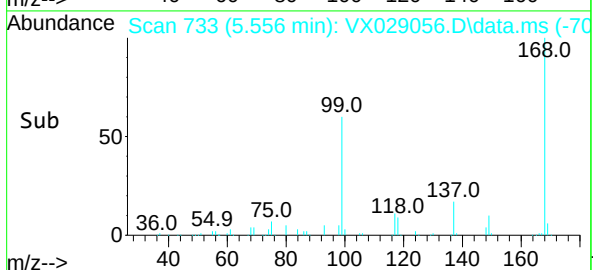
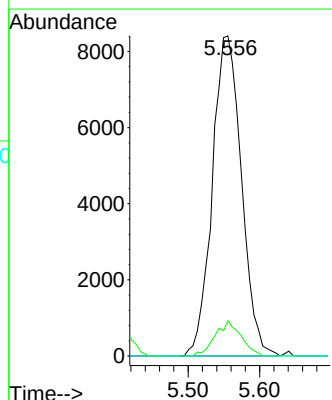
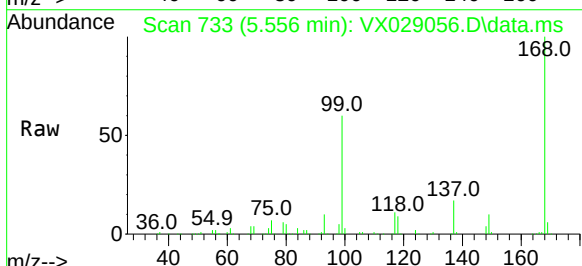
Tgt Ion: 75 Resp: 23789

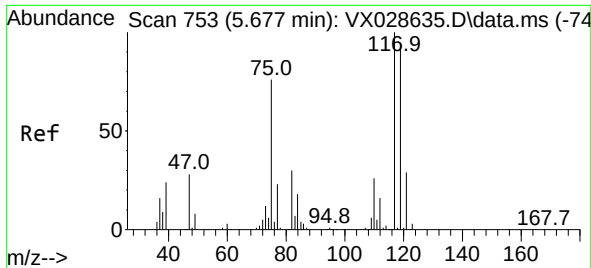
Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

77 0.0 24.8 37.2#

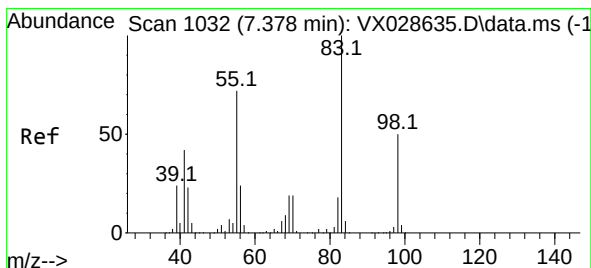
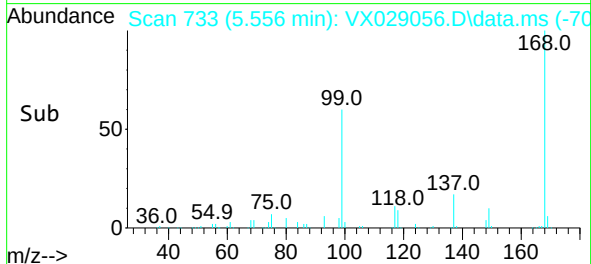
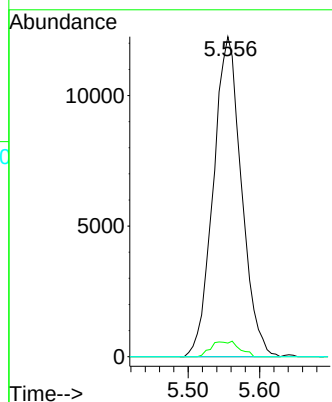
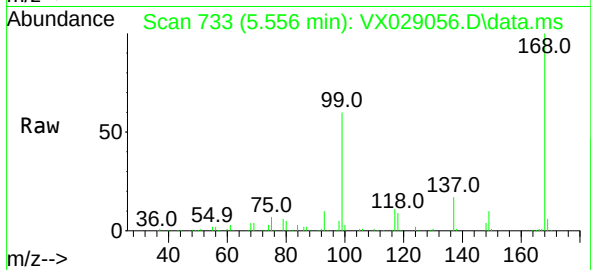




#38
Carbon Tetrachloride
Concen: 5.791 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.121 min
Lab File: VX029056.D
Acq: 28 May 2022 04:49

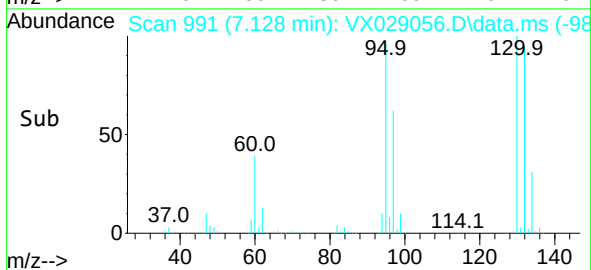
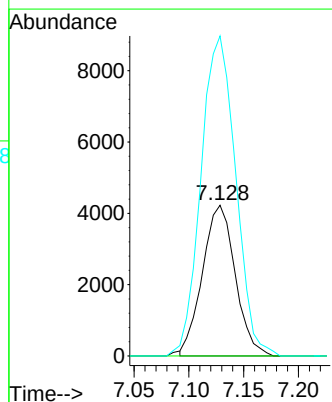
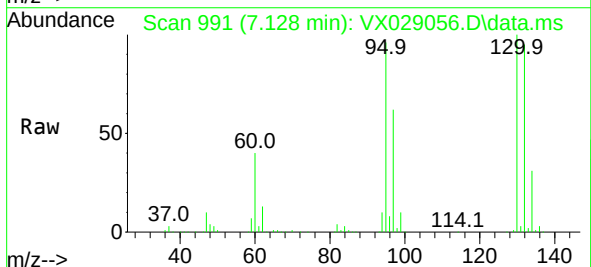
Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

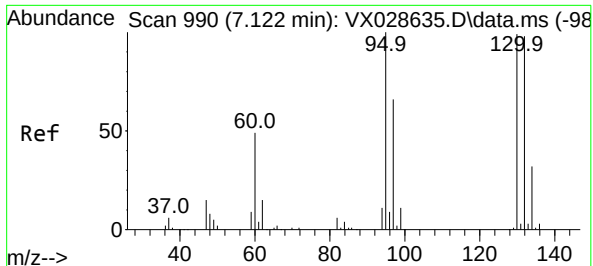
Tgt Ion:117 Resp: 33497
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 1.333 ug/l
RT: 7.128 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX029056.D
Acq: 28 May 2022 04:49

Tgt Ion: 83 Resp: 8785
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 212.3 37.4 56.2#

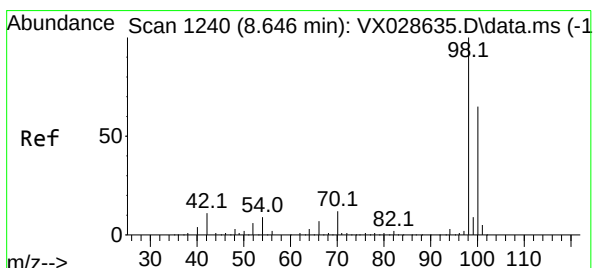
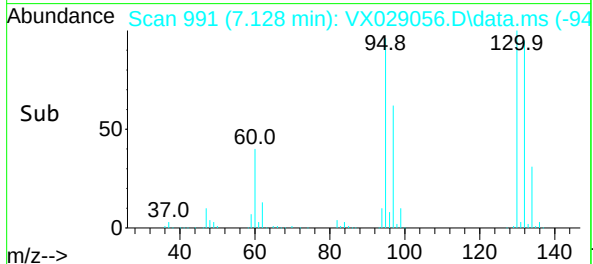
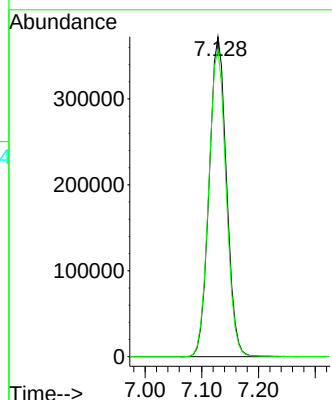
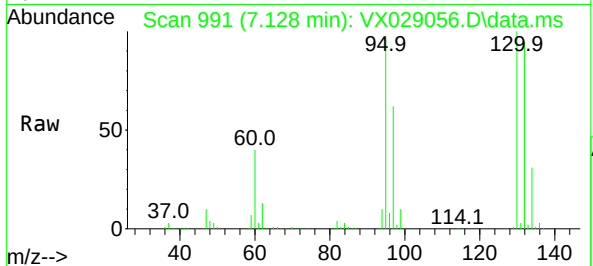




#44
Trichloroethene
Concen: 176.524 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX029056.D
Acq: 28 May 2022 04:49

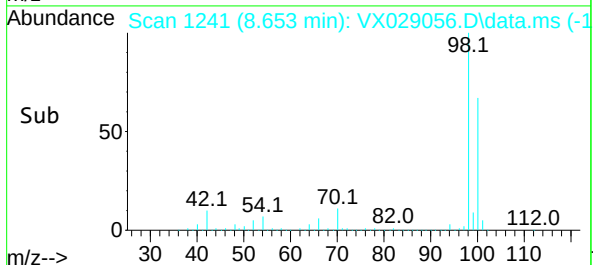
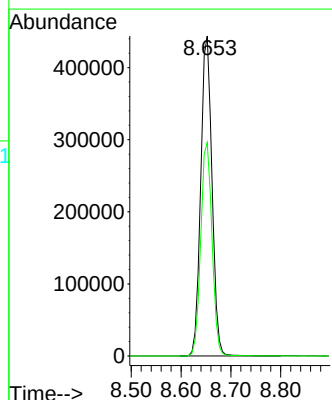
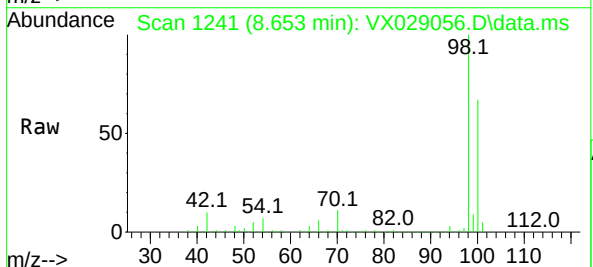
Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

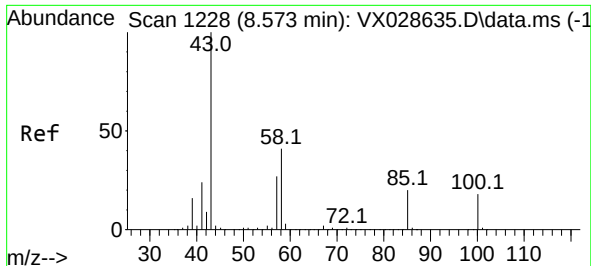
Tgt Ion:130 Resp: 790857
Ion Ratio Lower Upper
130 100
95 96.0 0.0 188.8



#50
Toluene-d8
Concen: 48.219 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX029056.D
Acq: 28 May 2022 04:49

Tgt Ion: 98 Resp: 695701
Ion Ratio Lower Upper
98 100
100 66.8 52.6 78.8

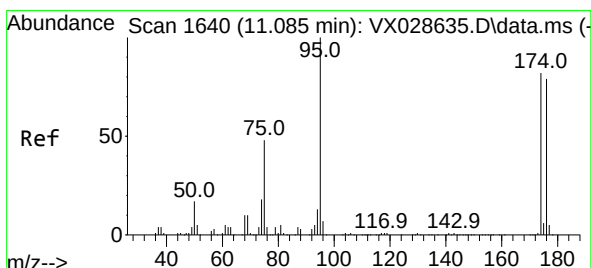
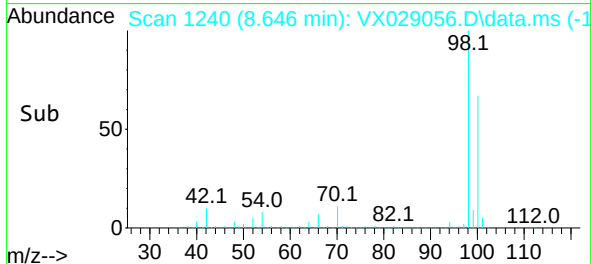
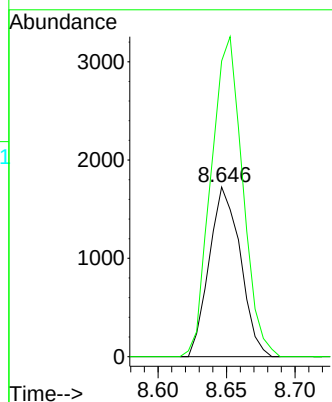
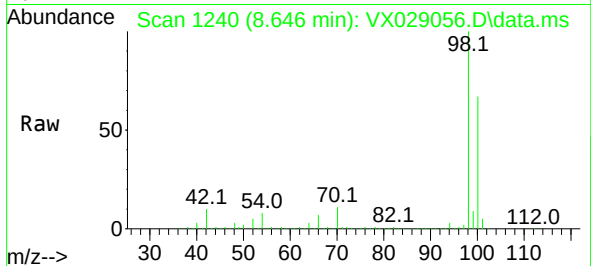




#51
4-Methyl-2-Pentanone
Concen: 0.442 ug/l
RT: 8.646 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX029056.D
Acq: 28 May 2022 04:49

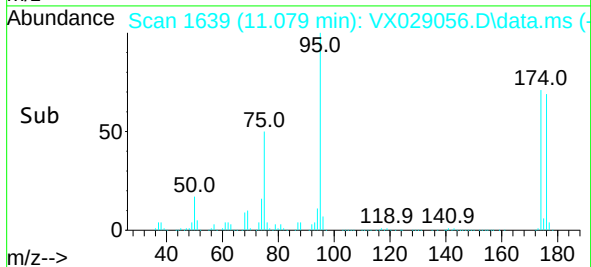
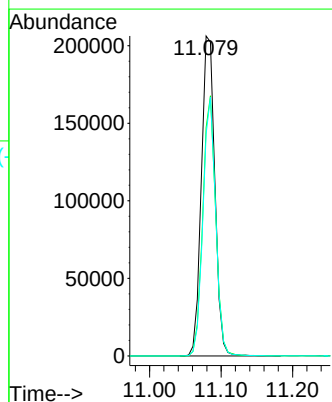
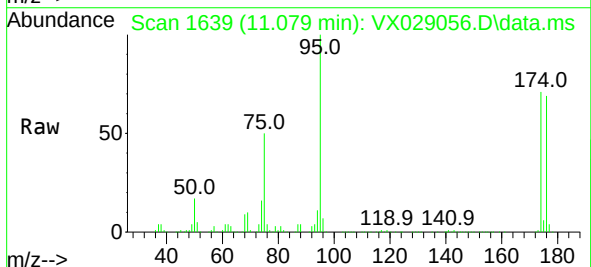
Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

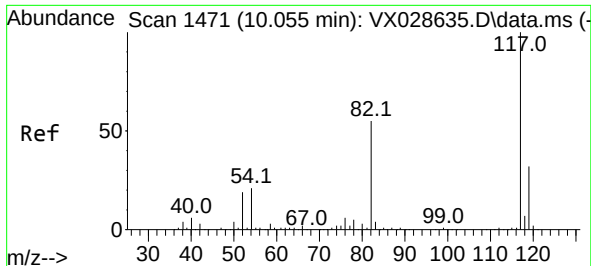
Tgt Ion: 43 Resp: 2736
Ion Ratio Lower Upper
43 100
58 190.8 36.1 54.1#



#62
4-Bromofluorobenzene
Concen: 50.155 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029056.D
Acq: 28 May 2022 04:49

Tgt Ion: 95 Resp: 270287
Ion Ratio Lower Upper
95 100
174 77.8 0.0 163.0
176 76.3 0.0 155.0

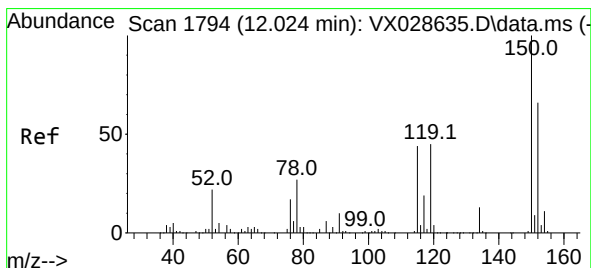
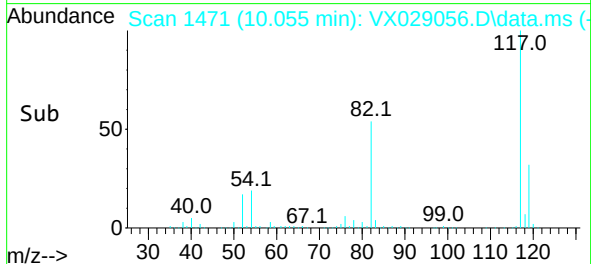
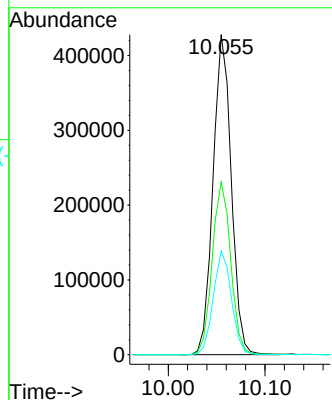
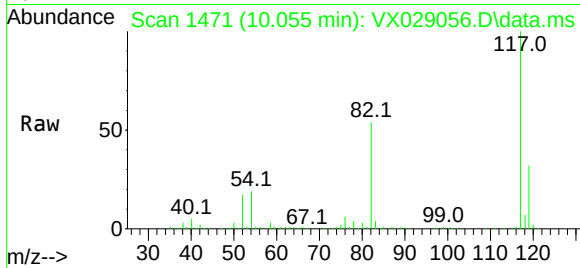




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029056.D
Acq: 28 May 2022 04:49

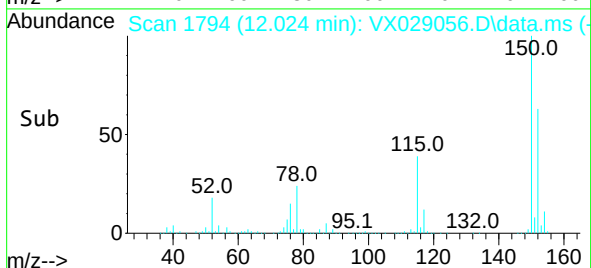
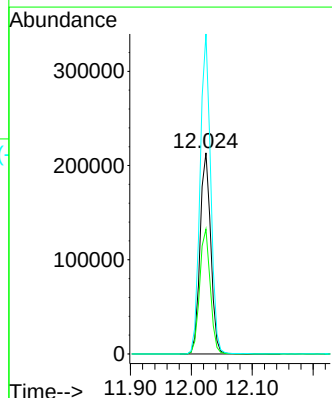
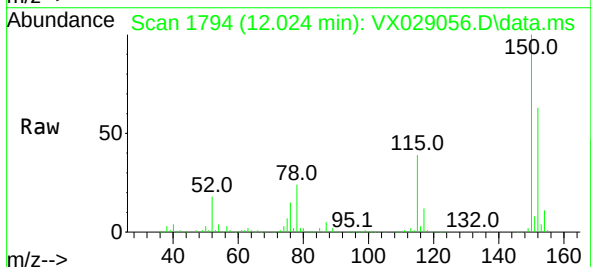
Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

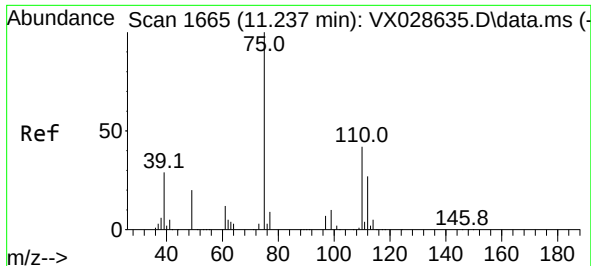
Tgt Ion:117 Resp: 560214
Ion Ratio Lower Upper
117 100
82 53.9 41.8 62.8
119 32.4 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029056.D
Acq: 28 May 2022 04:49

Tgt Ion:152 Resp: 259251
Ion Ratio Lower Upper
152 100
115 61.7 37.5 112.7
150 157.5 0.0 338.2

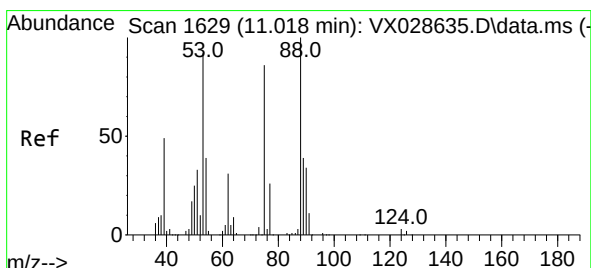
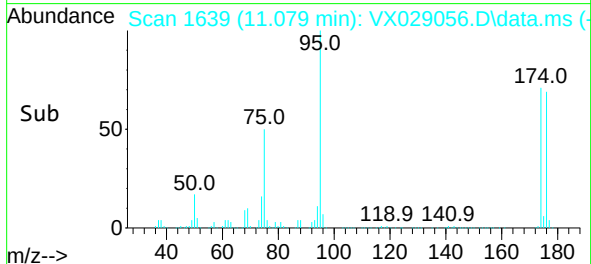
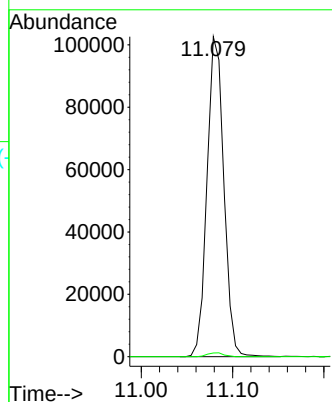
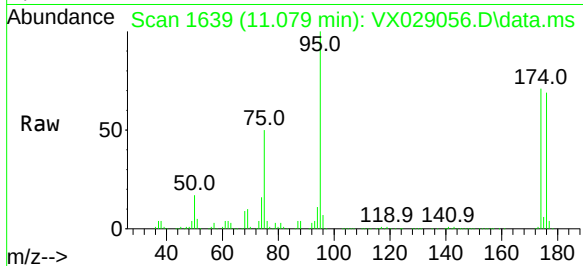




#76
1,2,3-Trichloropropane
Concen: 21.519 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX029056.D
Acq: 28 May 2022 04:49

Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

Tgt Ion: 75 Resp: 130649
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.097 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029056.D
Acq: 28 May 2022 04:49

Tgt Ion: 75 Resp: 130649
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

