

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029053.D
 Acq On : 28 May 2022 03:39
 Operator : JC/MD
 Sample : N3022-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20BR-20220525

Quant Time: May 28 08:38:32 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)

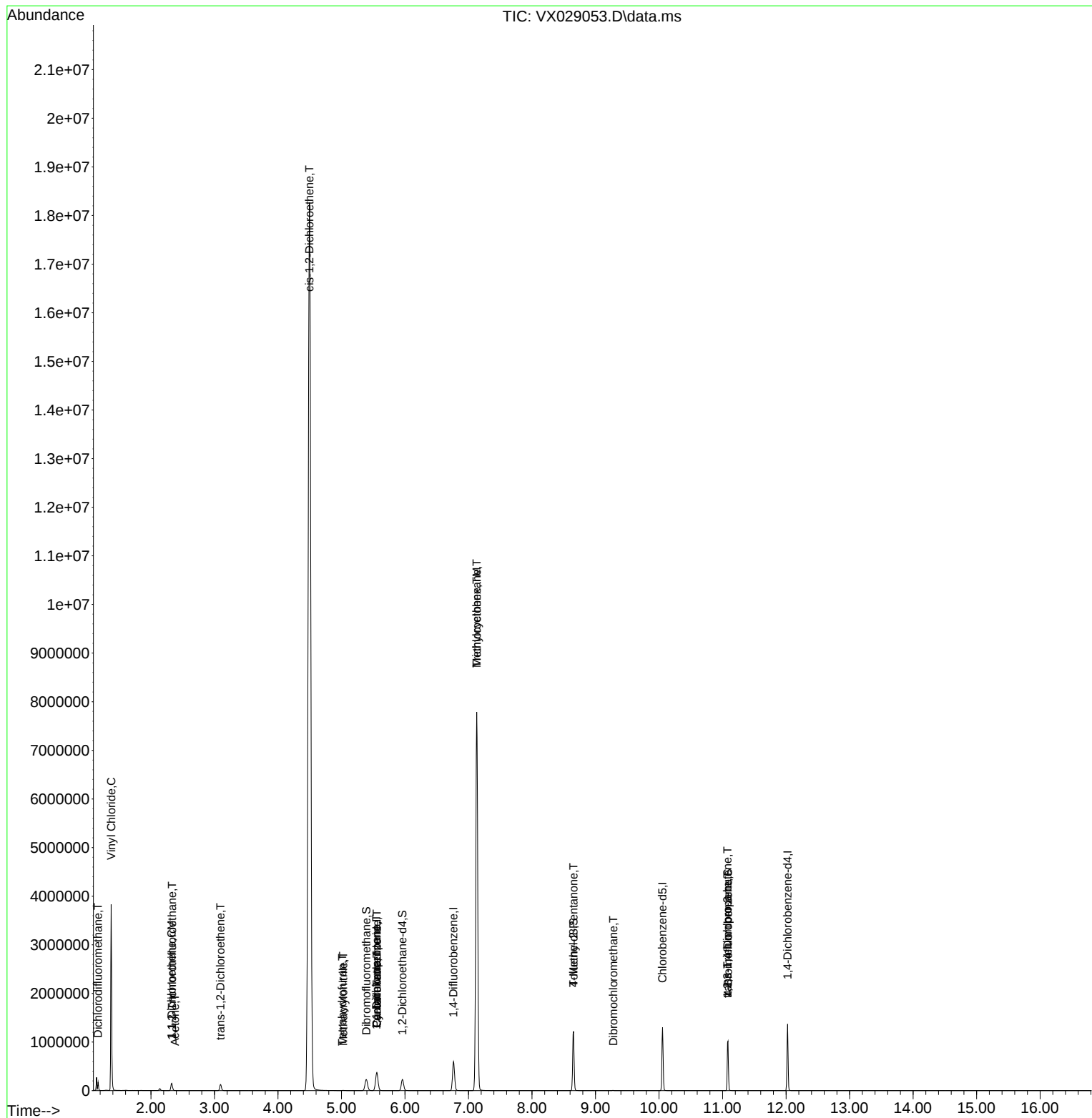
Internal Standards						
1) Pentafluorobenzene	5.556	168	353133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	626773	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	602299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	282023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	223099	46.089	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.180%
35) Dibromofluoromethane	5.391	113	205540	50.052	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.100%
50) Toluene-d8	8.653	98	742231	47.940	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.880%
62) 4-Bromofluorobenzene	11.085	95	290363	50.212	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	78976	17.080	ug/l	99
4) Vinyl Chloride	1.374	62	2303735	490.906	ug/l	96
5) Bromomethane	1.618	94	1022	Below Cal		94
9) 1,1,2-Trichlorotrifluo...	2.331	101	22945	5.828	ug/l	100
11) Tert butyl alcohol	2.941	59	964	Below Cal	#	72
12) 1,1-Dichloroethene	2.325	96	36936	10.106	ug/l	92
16) Acetone	2.380	43	1415	0.681	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	55860	13.569	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	12797258	2661.612	ug/l	82
29) Tetrahydrofuran	5.013	42	3372	1.591	ug/l	93
31) Cyclohexane	5.556	56	6237	0.928	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	26076	4.228	ug/l	# 49
38) Carbon Tetrachloride	5.556	117	35259	5.680	ug/l	# 17
39) Methylcyclohexane	7.129	83	35895	5.075	ug/l	# 1
41) Methacrylonitrile	5.026	41	1905	0.552	ug/l	# 36
44) Trichloroethene	7.129	130	3135171	652.135	ug/l	98
51) 4-Methyl-2-Pentanone	8.653	43	2824	0.425	ug/l	# 1
60) Dibromochloromethane	9.281	129	931	0.205	ug/l	# 9
76) 1,2,3-Trichloropropane	11.079	75	140277	21.239	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	140277	62.327	ug/l	# 15

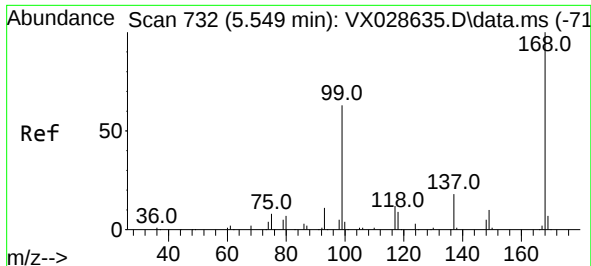
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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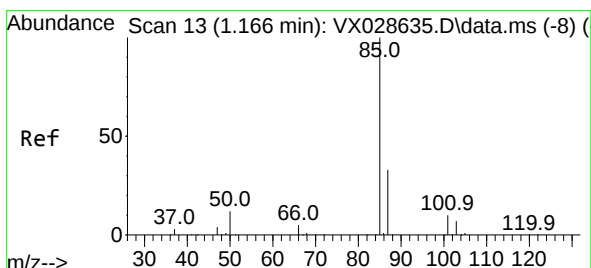
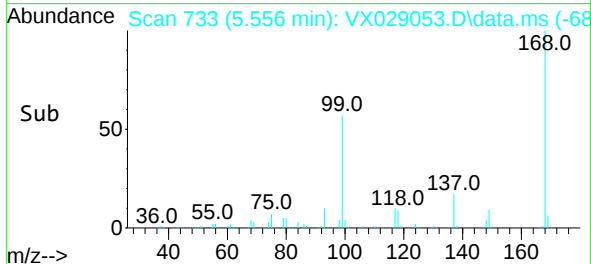
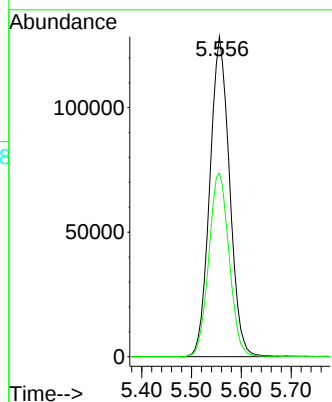
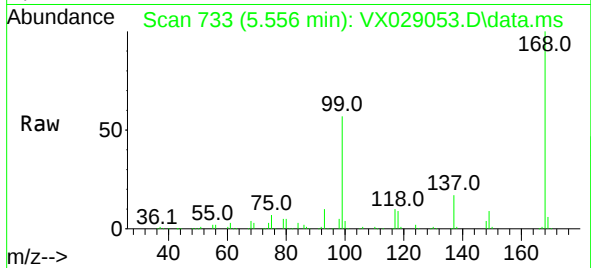




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX029053.D
Acq: 28 May 2022 03:39

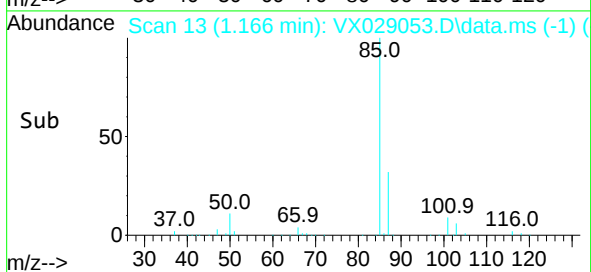
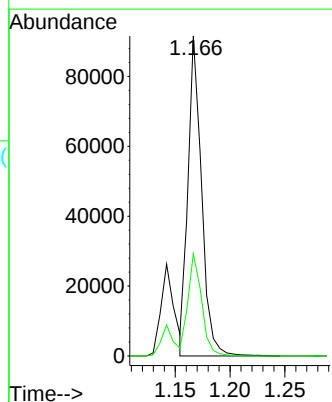
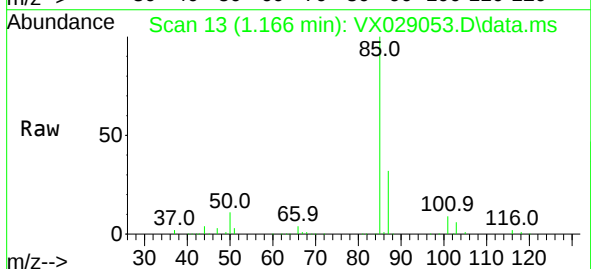
Instrument :
MSVOA_X
ClientSampleId :
20BR-20220525

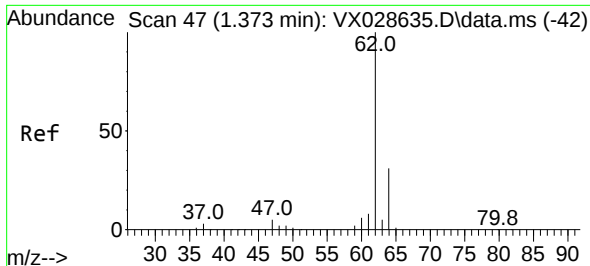
Tgt Ion:168 Resp: 353133
Ion Ratio Lower Upper
168 100
99 57.4 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 17.080 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX029053.D
Acq: 28 May 2022 03:39

Tgt Ion: 85 Resp: 78976
Ion Ratio Lower Upper
85 100
87 32.0 16.2 48.6

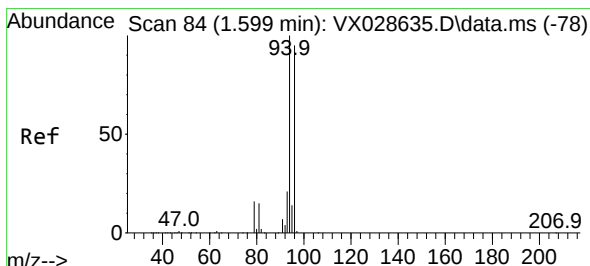
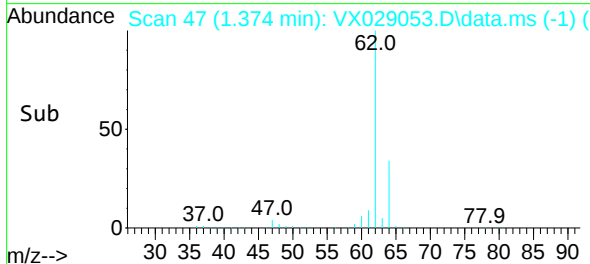
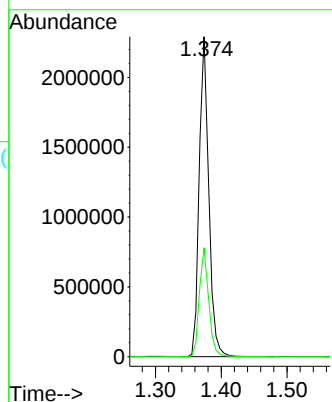
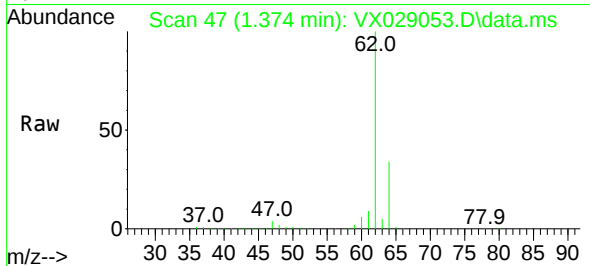




#4
 Vinyl Chloride
 Concen: 490.906 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. 0.001 min
 Lab File: VX029053.D
 Acq: 28 May 2022 03:39

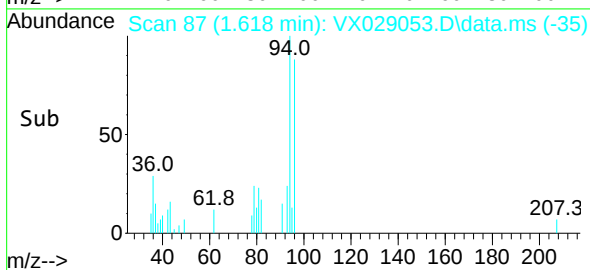
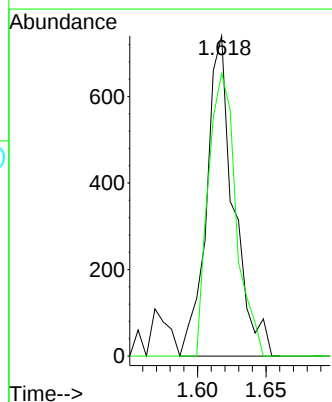
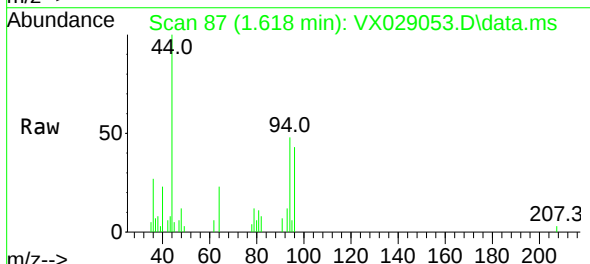
Instrument :
 MSVOA_X
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 20BR-20220525

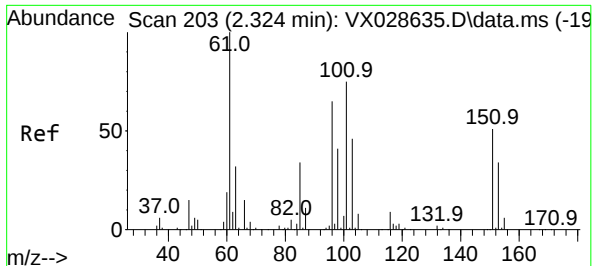
Tgt Ion: 62 Resp: 2303735
 Ion Ratio Lower Upper
 62 100
 64 34.0 25.5 38.3



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.618 min Scan# 87
 Delta R.T. 0.019 min
 Lab File: VX029053.D
 Acq: 28 May 2022 03:39

Tgt Ion: 94 Resp: 1022
 Ion Ratio Lower Upper
 94 100
 96 88.4 75.3 112.9

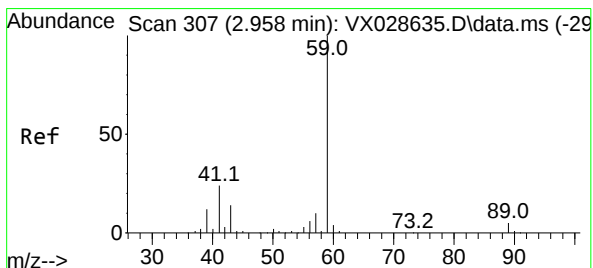
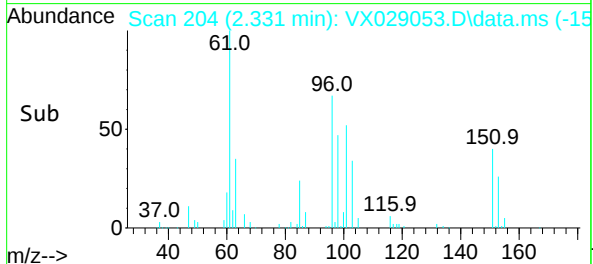
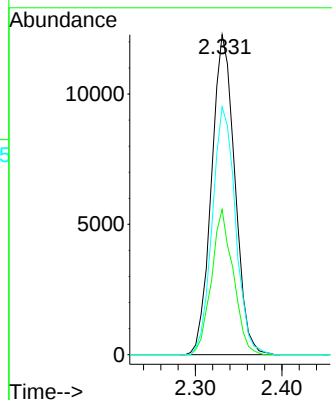
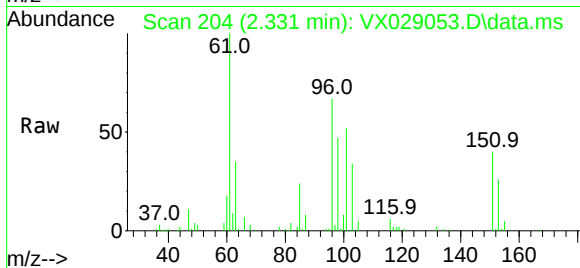




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.828 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX029053.D
Acq: 28 May 2022 03:39

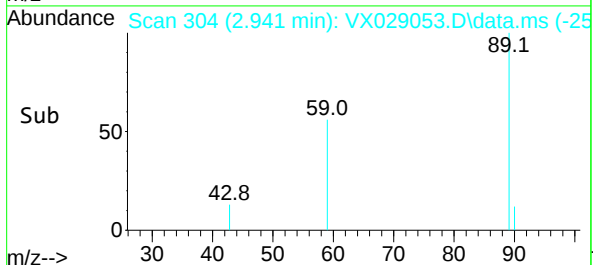
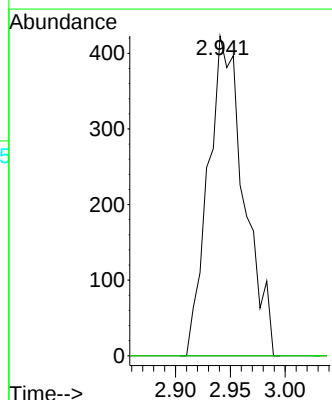
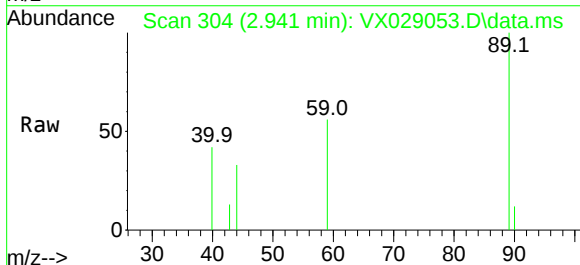
Instrument :
MSVOA_X
ClientSampleId :
20BR-20220525

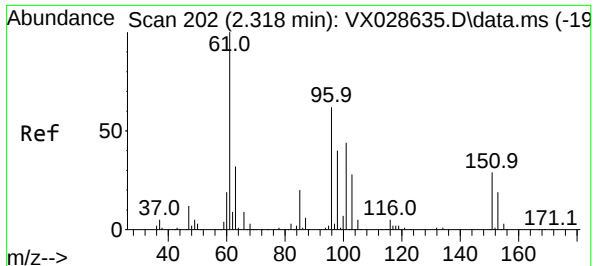
Tgt Ion:101 Resp: 22945
Ion Ratio Lower Upper
101 100
85 42.4 33.5 50.3
151 77.1 61.8 92.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.017 min
Lab File: VX029053.D
Acq: 28 May 2022 03:39

Tgt Ion: 59 Resp: 964
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

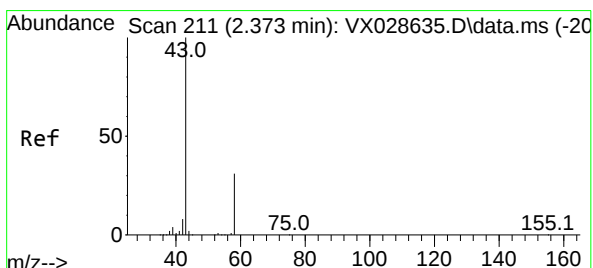
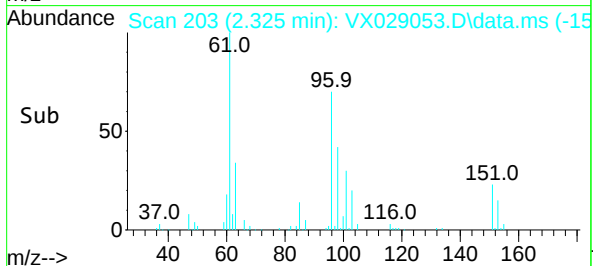
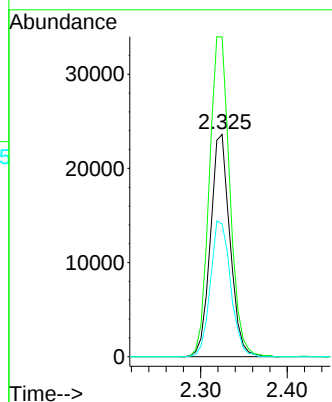
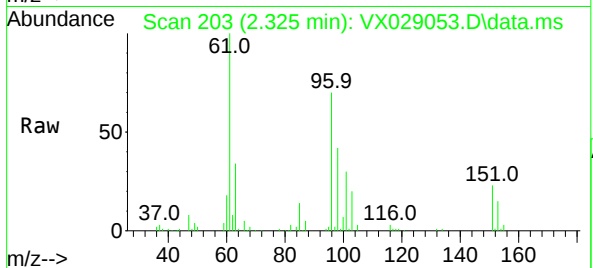




#12
1,1-Dichloroethene
Concen: 10.106 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.007 min
Lab File: VX029053.D
Acq: 28 May 2022 03:39

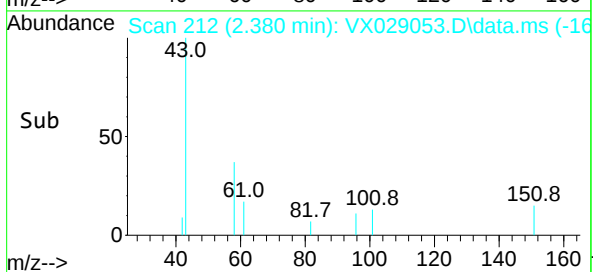
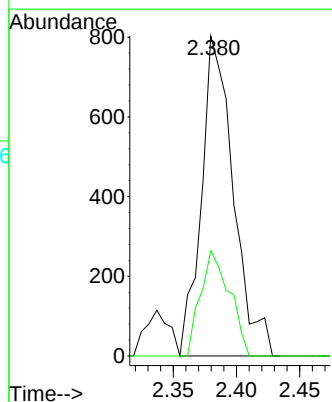
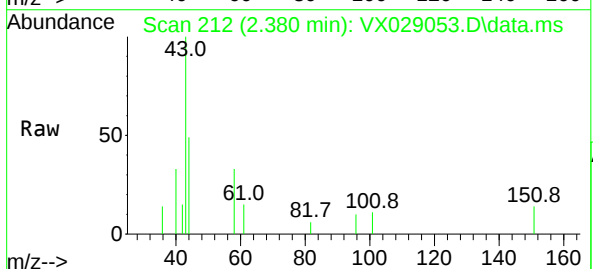
Instrument :
MSVOA_X
ClientSampleId :
20BR-20220525

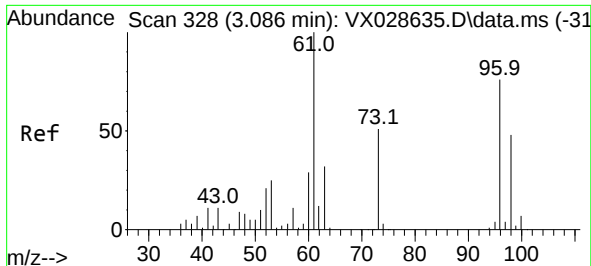
Tgt Ion: 96 Resp: 36936
Ion Ratio Lower Upper
96 100
61 143.8 124.6 187.0
98 59.7 51.0 76.4



#16
Acetone
Concen: 0.681 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.007 min
Lab File: VX029053.D
Acq: 28 May 2022 03:39

Tgt Ion: 43 Resp: 1415
Ion Ratio Lower Upper
43 100
58 32.9 28.8 43.2

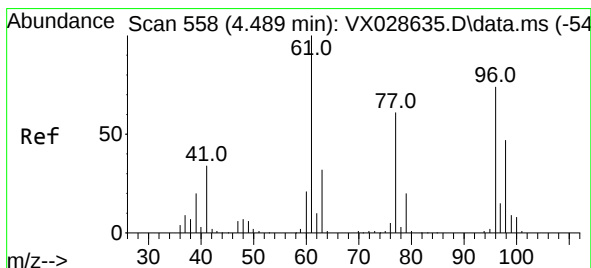
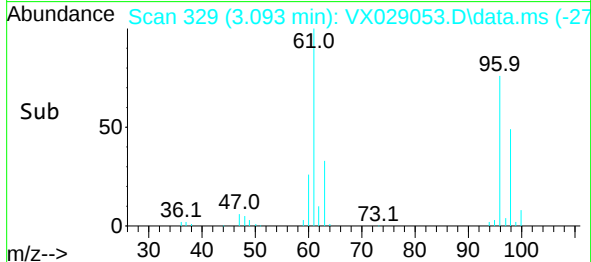
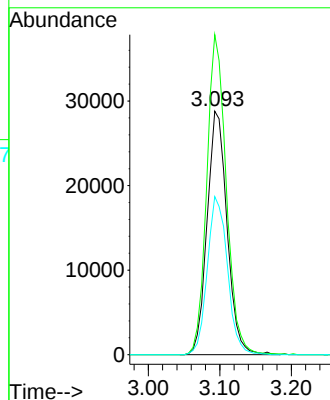
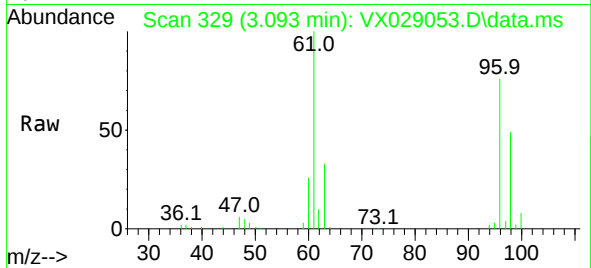




#21
trans-1,2-Dichloroethene
Concen: 13.569 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.007 min
Lab File: VX029053.D
Acq: 28 May 2022 03:39

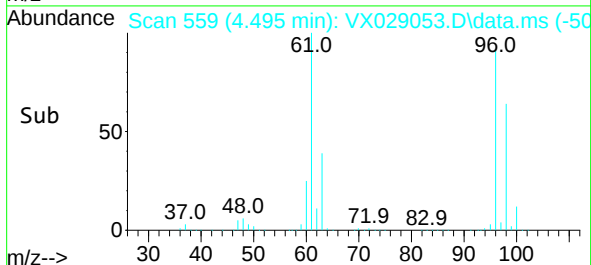
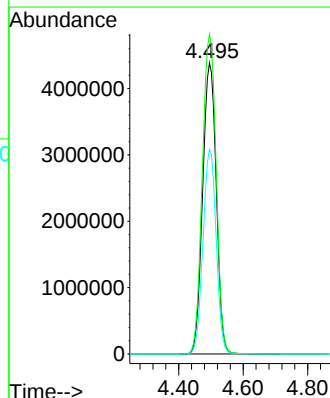
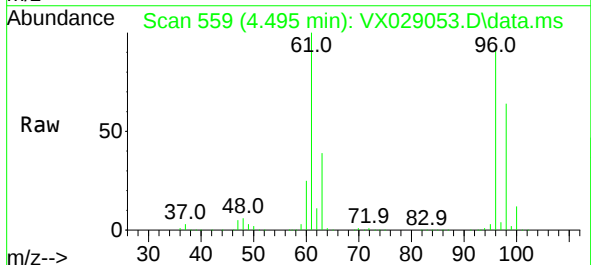
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ClientSampleId :
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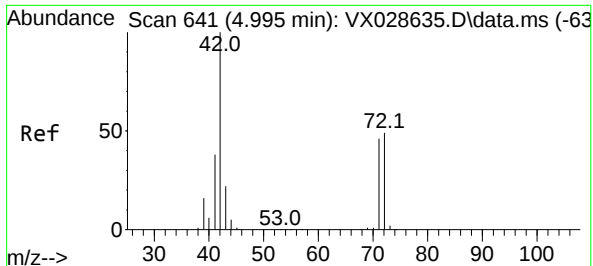
Tgt Ion: 96 Resp: 55860
Ion Ratio Lower Upper
96 100
61 131.4 105.4 158.2
98 64.9 50.0 75.0



#27
cis-1,2-Dichloroethene
Concen: 2661.612 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX029053.D
Acq: 28 May 2022 03:39

Tgt Ion: 96 Resp:12797258
Ion Ratio Lower Upper
96 100
61 112.4 0.0 283.8
98 68.2 0.0 129.8





#29

Tetrahydrofuran

Concen: 1.591 ug/l

RT: 5.013 min Scan# 641

Delta R.T. 0.018 min

Lab File: VX029053.D

Acq: 28 May 2022 03:39

Instrument :

MSVOA_X

ClientSampleId :

20BR-20220525

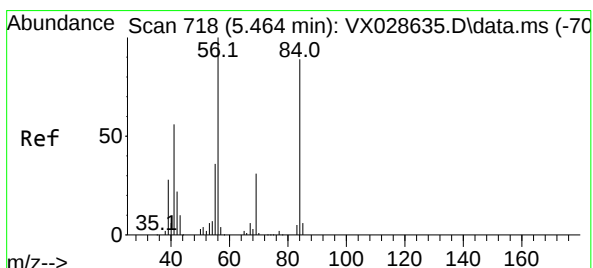
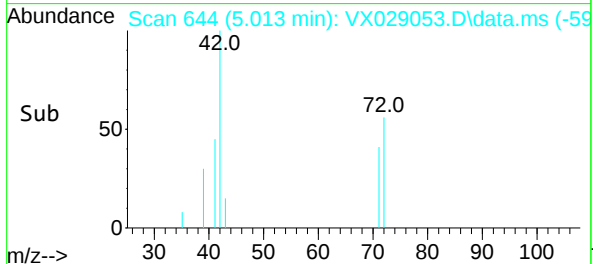
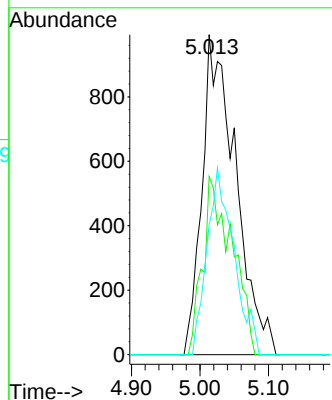
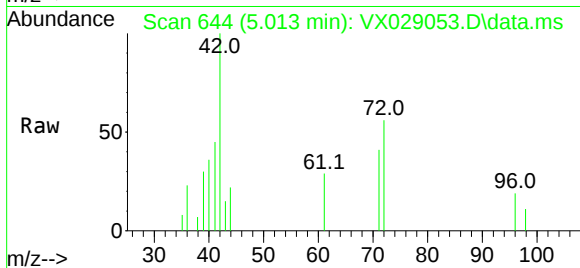
Tgt Ion: 42 Resp: 3372

Ion Ratio Lower Upper

42 100

72 48.8 44.1 66.1

71 46.8 40.5 60.7



#31

Cyclohexane

Concen: 0.928 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.092 min

Lab File: VX029053.D

Acq: 28 May 2022 03:39

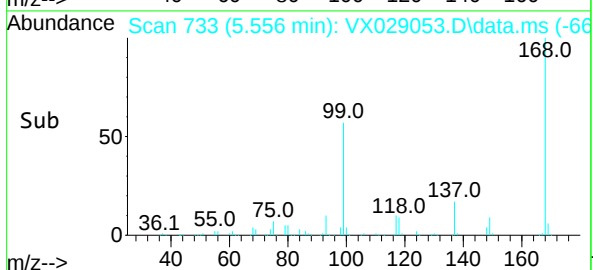
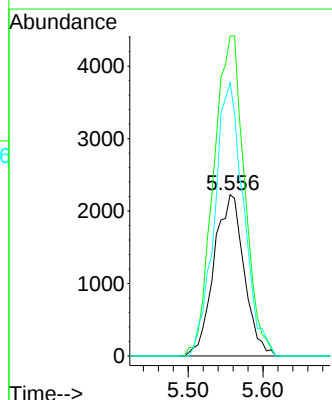
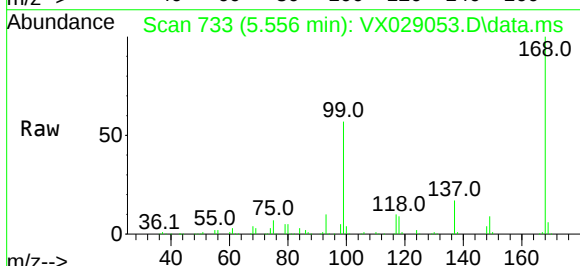
Tgt Ion: 56 Resp: 6237

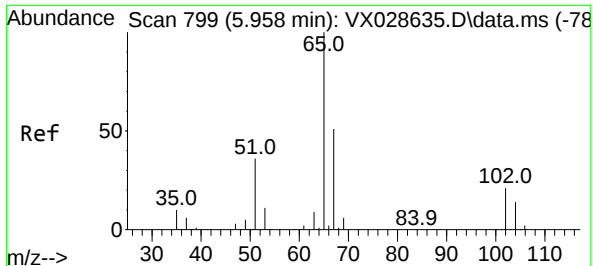
Ion Ratio Lower Upper

56 100

69 198.4 26.7 40.1#

84 169.4 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 46.089 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029053.D

Acq: 28 May 2022 03:39

Instrument :

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ClientSampleId :

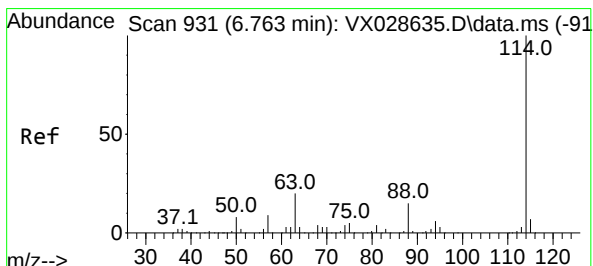
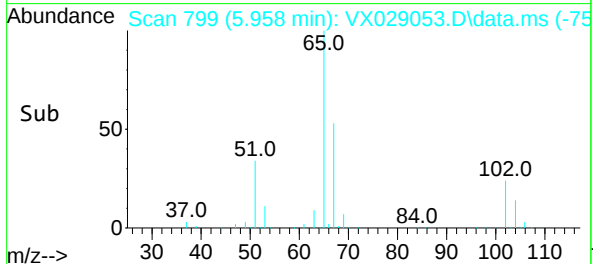
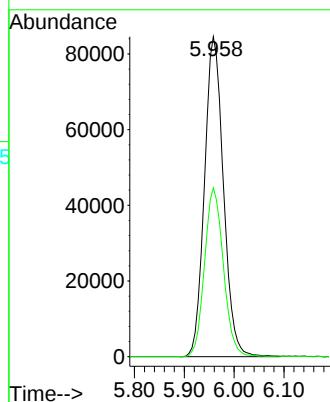
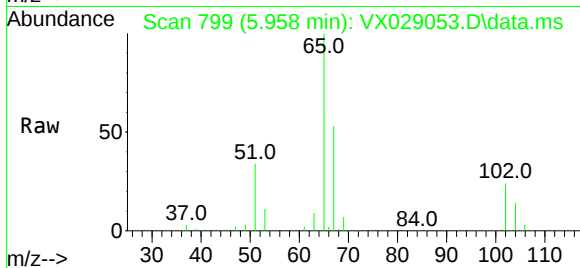
20BR-20220525

Tgt Ion: 65 Resp: 223099

Ion Ratio Lower Upper

65 100

67 52.5 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: VX029053.D

Acq: 28 May 2022 03:39

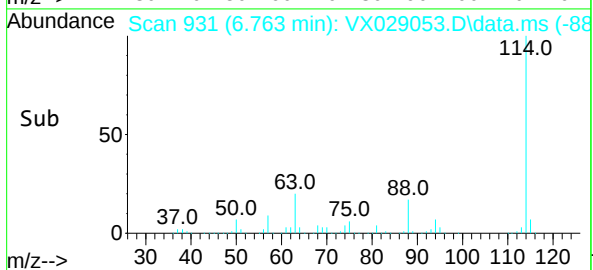
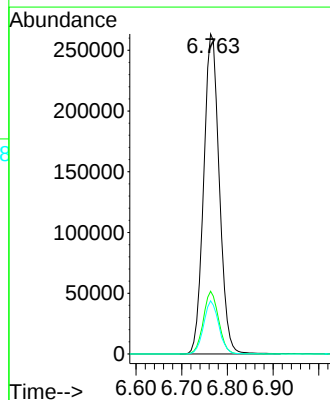
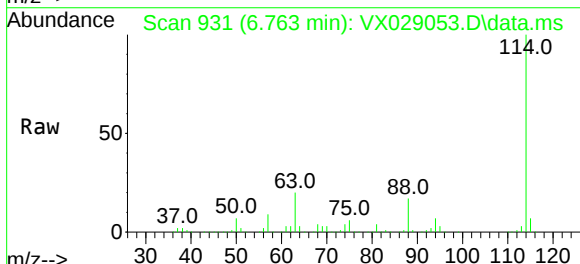
Tgt Ion: 114 Resp: 626773

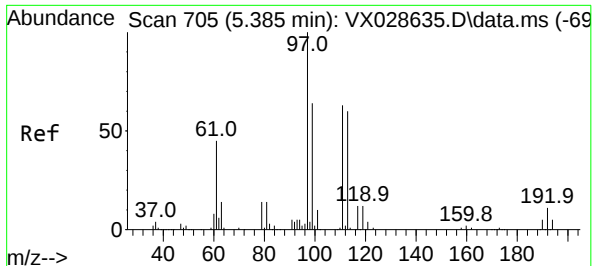
Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.8

88 16.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.052 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX029053.D

Acq: 28 May 2022 03:39

Instrument :

MSVOA_X

ClientSampleId :

20BR-20220525

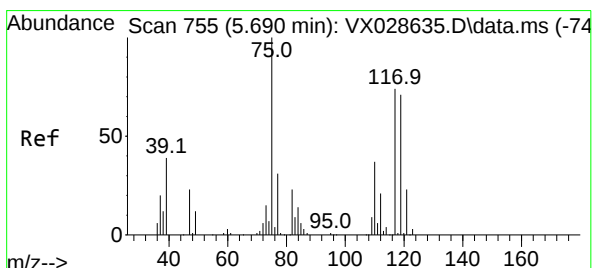
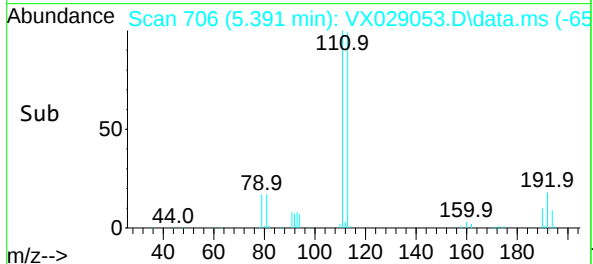
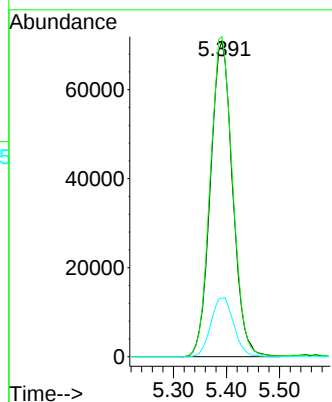
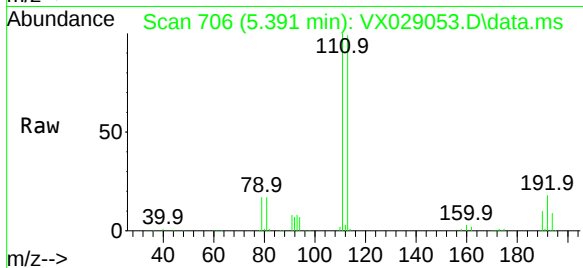
Tgt Ion:113 Resp: 205540

Ion Ratio Lower Upper

113 100

111 102.3 82.8 124.2

192 19.3 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.228 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX029053.D

Acq: 28 May 2022 03:39

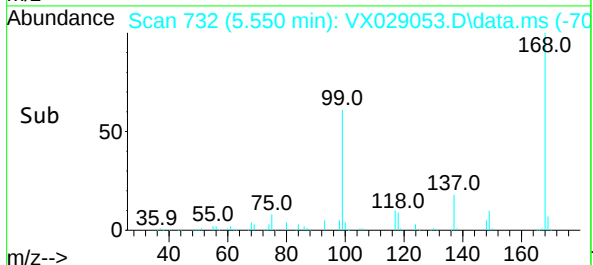
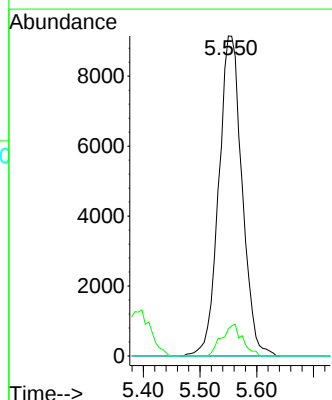
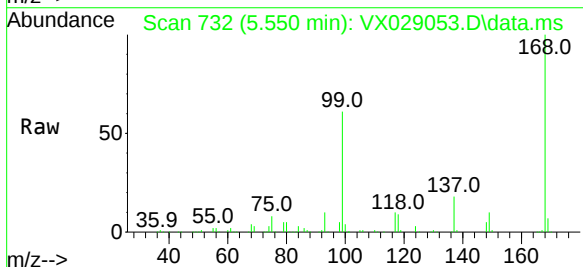
Tgt Ion: 75 Resp: 26076

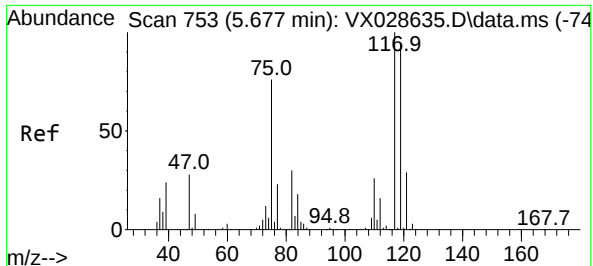
Ion Ratio Lower Upper

75 100

110 8.8 18.3 54.8#

77 0.0 24.8 37.2#

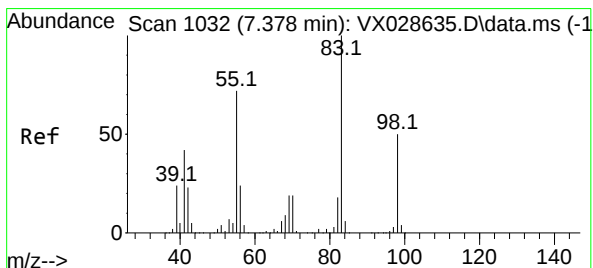
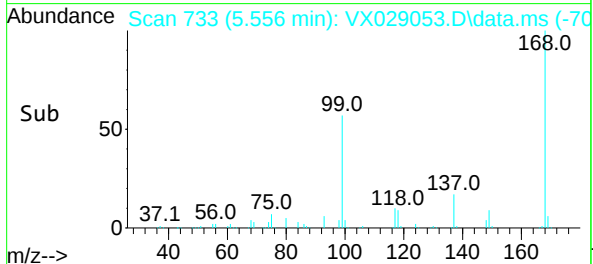
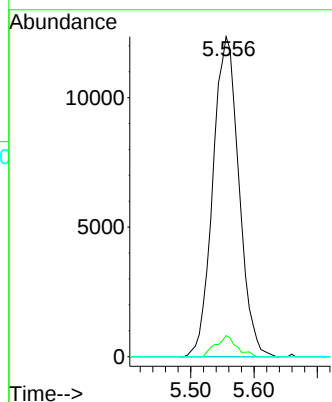
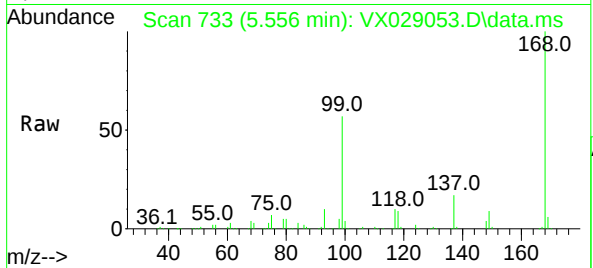




#38
Carbon Tetrachloride
Concen: 5.680 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.121 min
Lab File: VX029053.D
Acq: 28 May 2022 03:39

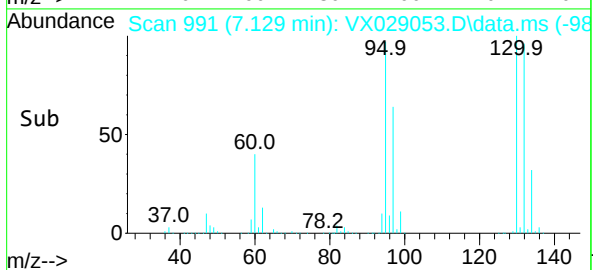
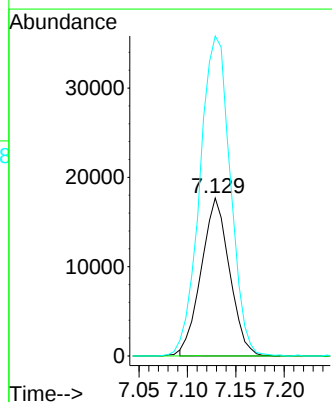
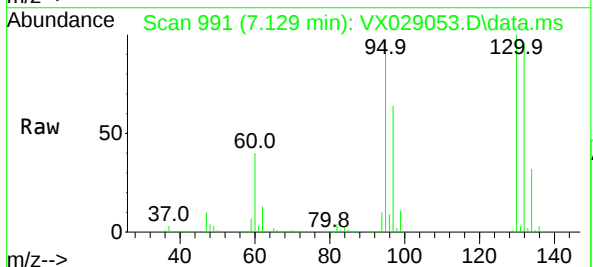
Instrument :
MSVOA_X
ClientSampleId :
20BR-20220525

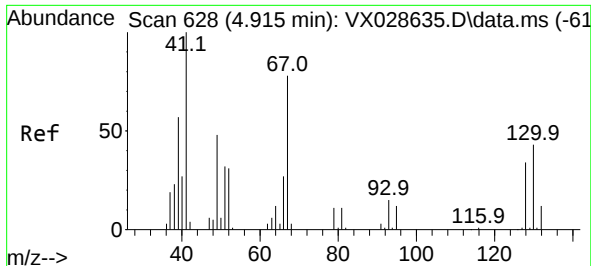
Tgt Ion:117 Resp: 35259
Ion Ratio Lower Upper
117 100
119 6.6 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 5.075 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.249 min
Lab File: VX029053.D
Acq: 28 May 2022 03:39

Tgt Ion: 83 Resp: 35895
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 202.8 37.4 56.2#

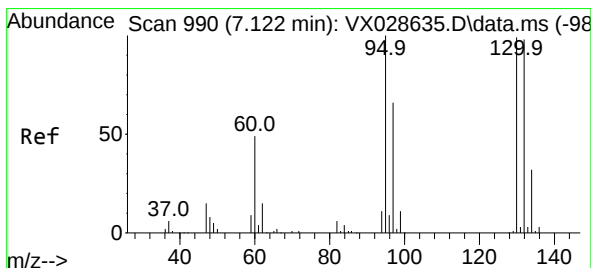
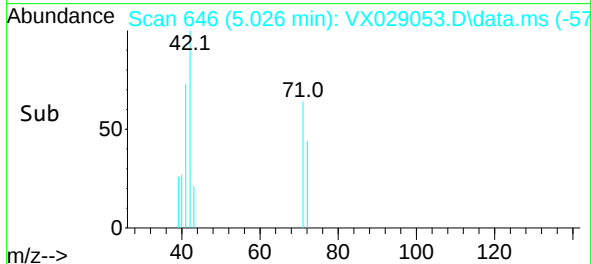
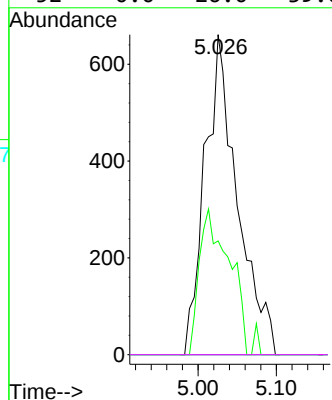
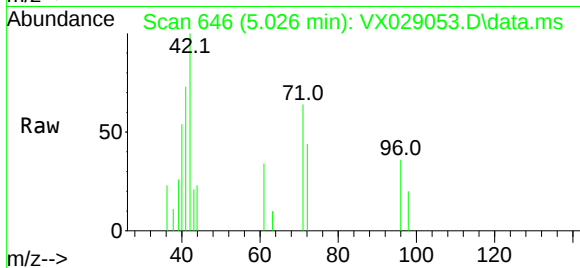




#41
Methacrylonitrile
Concen: 0.552 ug/l
RT: 5.026 min Scan# 641
Delta R.T. 0.111 min
Lab File: VX029053.D
Acq: 28 May 2022 03:39

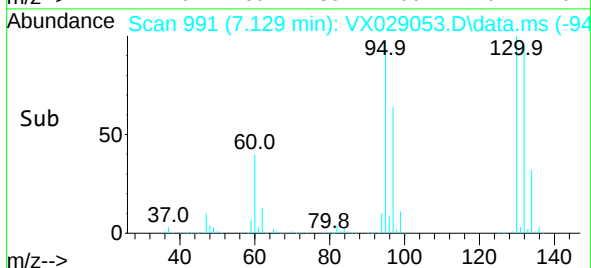
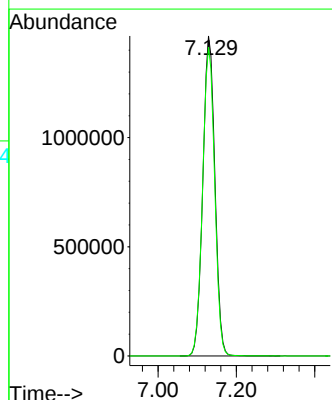
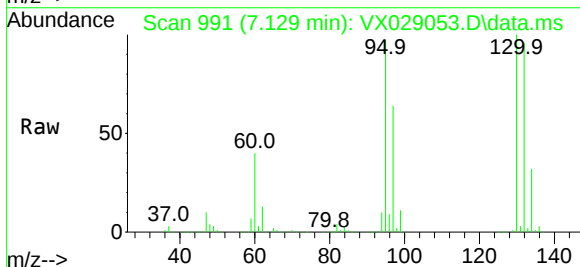
Instrument :
MSVOA_X
ClientSampleId :
20BR-20220525

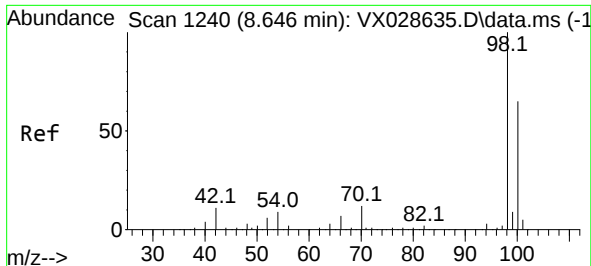
Tgt Ion: 41 Resp: 1905
Ion Ratio Lower Upper
41 100
39 42.0 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#



#44
Trichloroethene
Concen: 652.135 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.007 min
Lab File: VX029053.D
Acq: 28 May 2022 03:39

Tgt Ion:130 Resp: 3135171
Ion Ratio Lower Upper
130 100
95 96.6 0.0 188.8

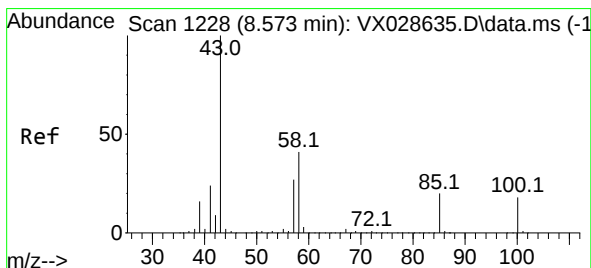
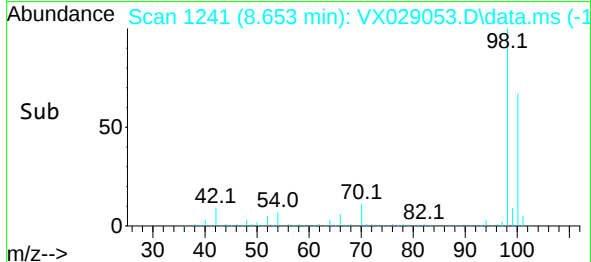
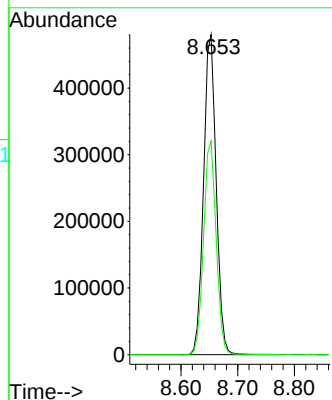
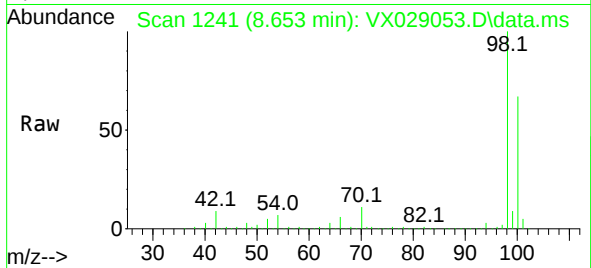




#50
Toluene-d8
Concen: 47.940 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX029053.D
Acq: 28 May 2022 03:39

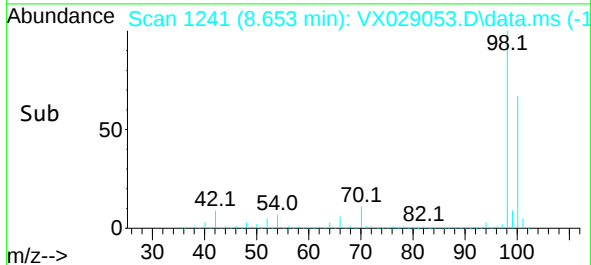
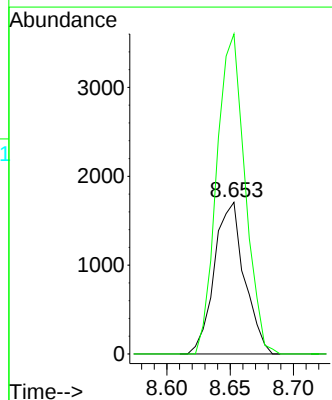
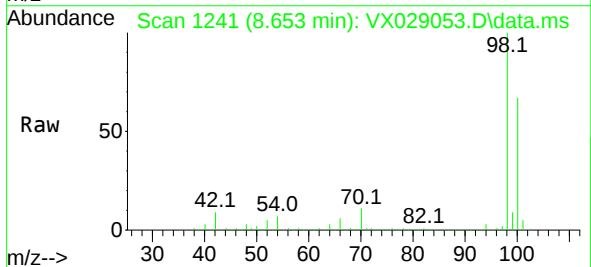
Instrument :
MSVOA_X
ClientSampleId :
20BR-20220525

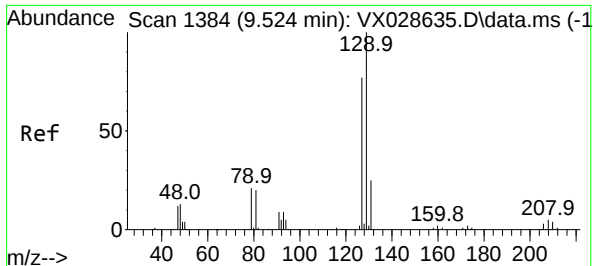
Tgt Ion: 98 Resp: 742231
Ion Ratio Lower Upper
98 100
100 66.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.425 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.080 min
Lab File: VX029053.D
Acq: 28 May 2022 03:39

Tgt Ion: 43 Resp: 2824
Ion Ratio Lower Upper
43 100
58 198.4 36.1 54.1#

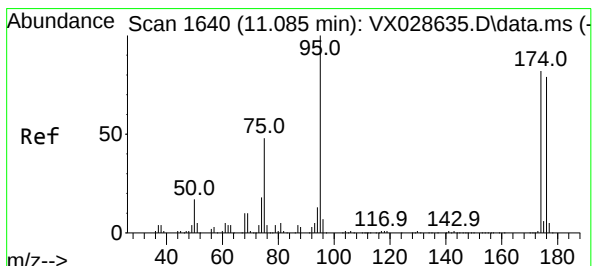
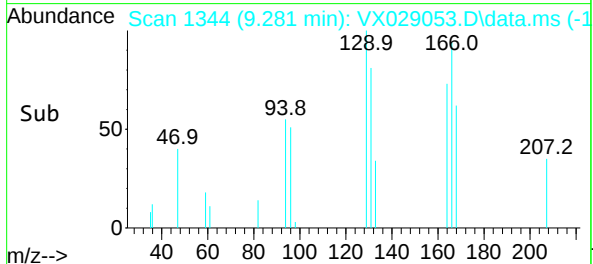
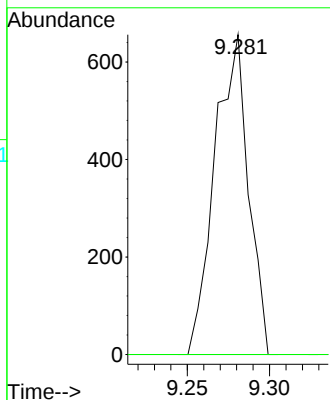
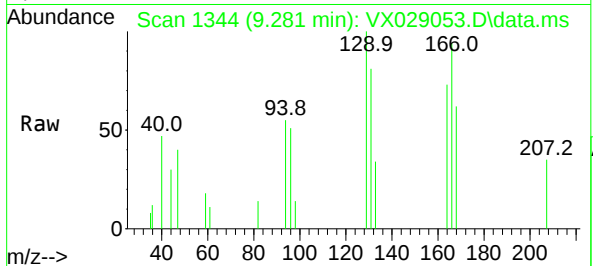




#60
Dibromochloromethane
Concen: 0.205 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.243 min
Lab File: VX029053.D
Acq: 28 May 2022 03:39

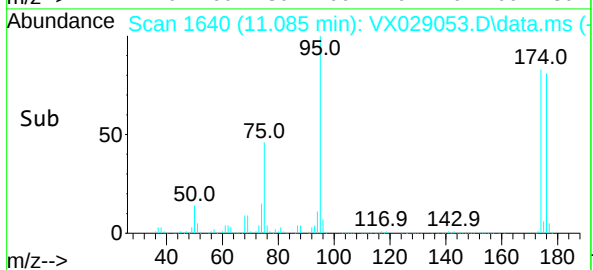
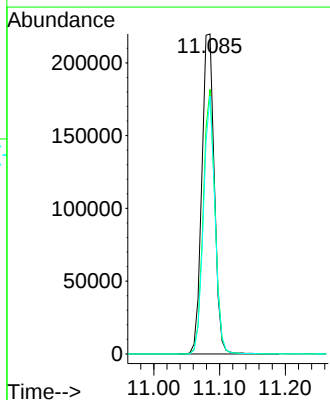
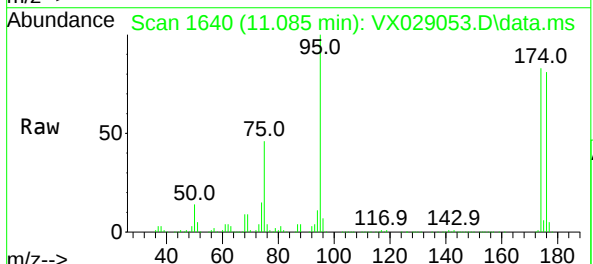
Instrument :
MSVOA_X
ClientSampleId :
20BR-20220525

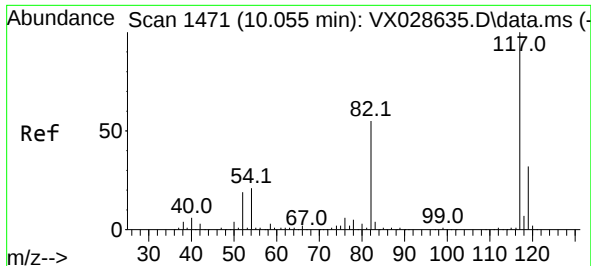
Tgt Ion:129 Resp: 931
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#



#62
4-Bromofluorobenzene
Concen: 50.212 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX029053.D
Acq: 28 May 2022 03:39

Tgt Ion: 95 Resp: 290363
Ion Ratio Lower Upper
95 100
174 77.7 0.0 163.0
176 74.9 0.0 155.0

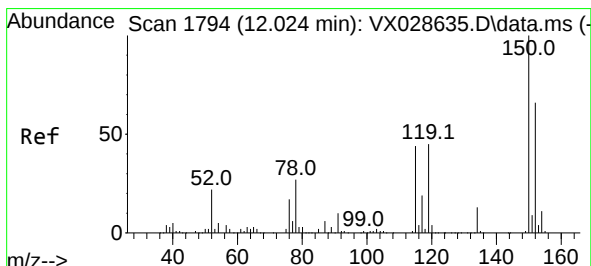
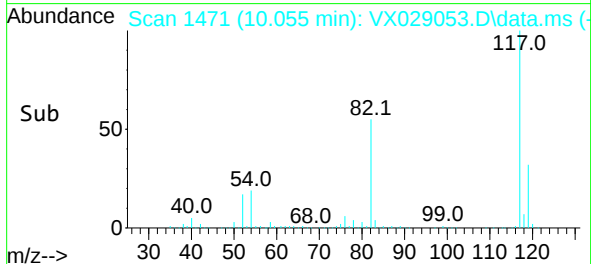
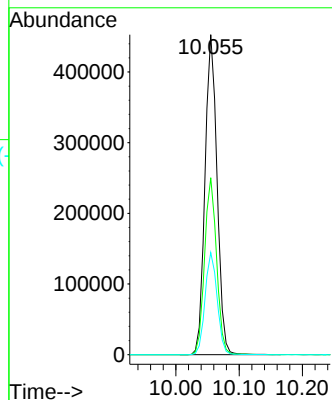
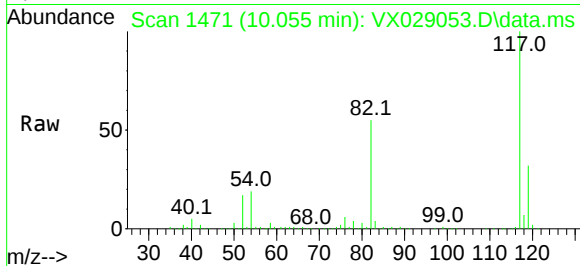




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029053.D
Acq: 28 May 2022 03:39

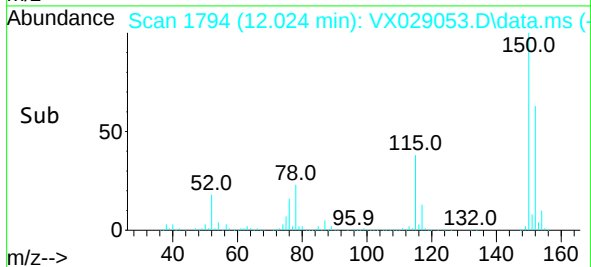
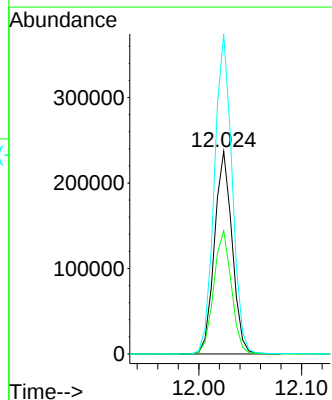
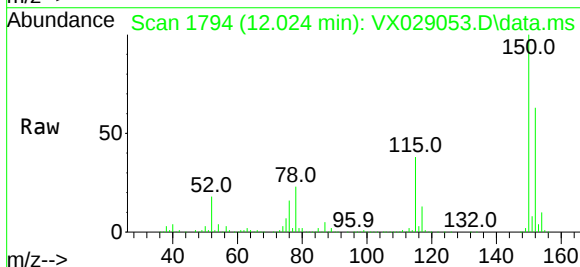
Instrument :
MSVOA_X
ClientSampleId :
20BR-20220525

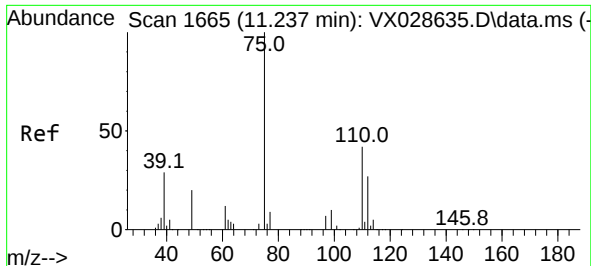
Tgt Ion:117 Resp: 602299
Ion Ratio Lower Upper
117 100
82 55.3 41.8 62.8
119 31.9 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029053.D
Acq: 28 May 2022 03:39

Tgt Ion:152 Resp: 282023
Ion Ratio Lower Upper
152 100
115 61.0 37.5 112.7
150 158.6 0.0 338.2

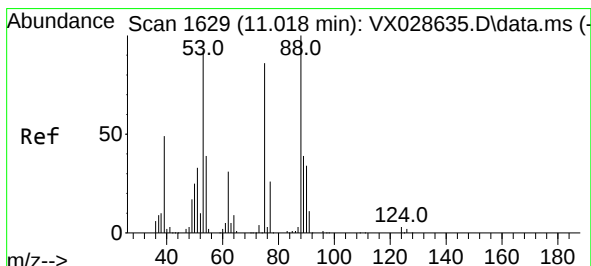
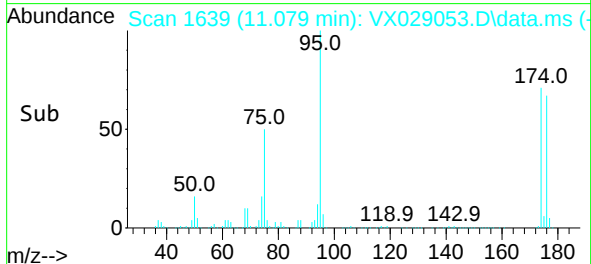
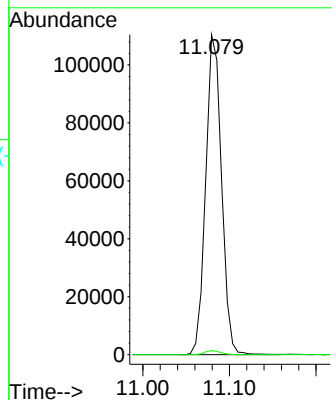
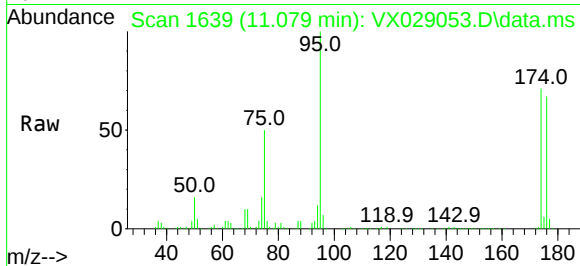




#76
1,2,3-Trichloropropane
Concen: 21.239 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX029053.D
Acq: 28 May 2022 03:39

Instrument :
MSVOA_X
ClientSampleId :
20BR-20220525

Tgt Ion: 75 Resp: 140277
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.327 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029053.D
Acq: 28 May 2022 03:39

Tgt Ion: 75 Resp: 140277
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

