

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060322\
 Data File : VX029203.D
 Acq On : 03 Jun 2022 20:18
 Operator : JC/MD
 Sample : N3022-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 91BR-20220525

Quant Time: Jun 06 02:37:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

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

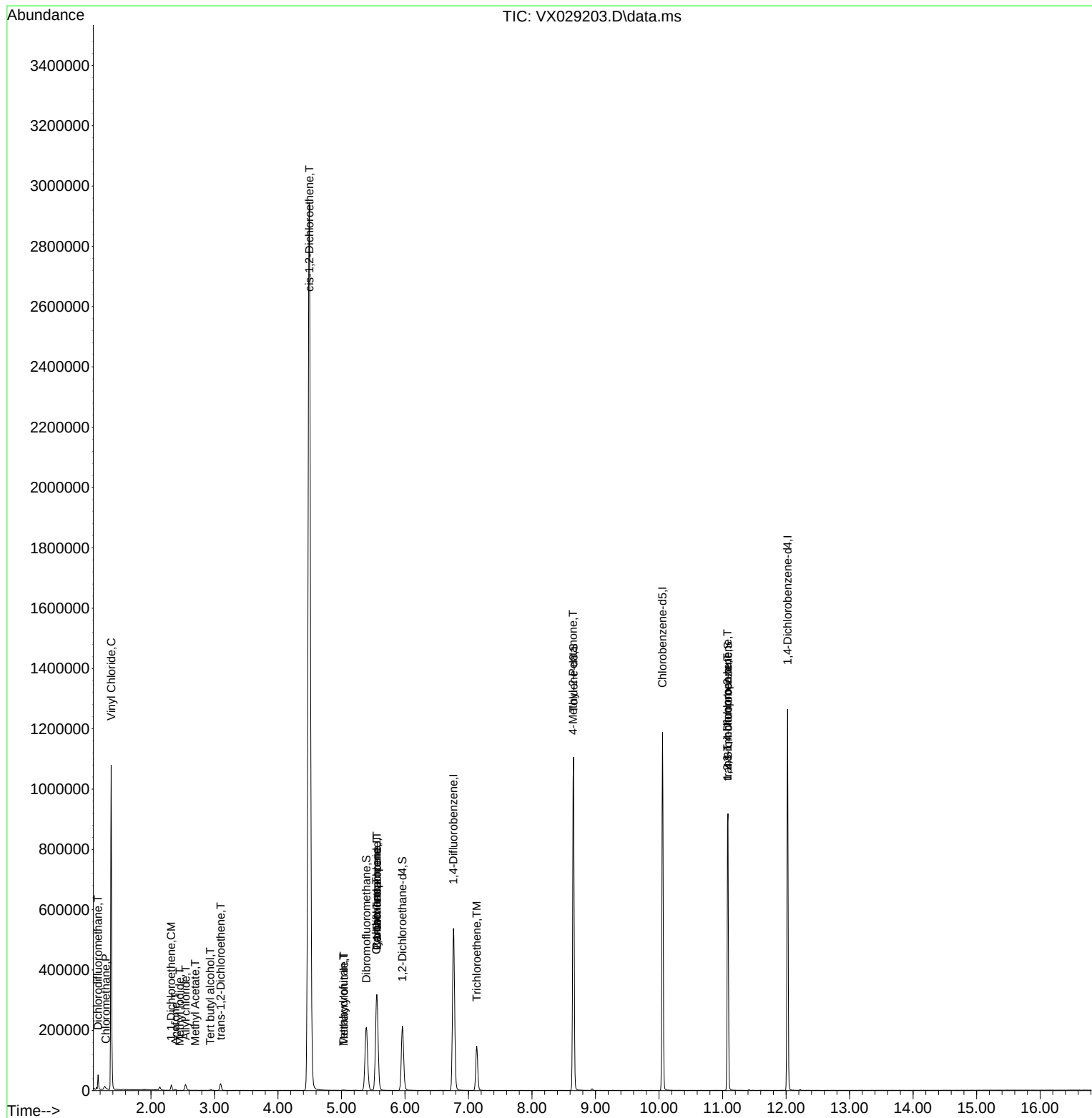
Internal Standards						
1) Pentafluorobenzene	5.556	168	302468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	567347	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	548563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	257813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	202130	59.263	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 118.520%	
35) Dibromofluoromethane	5.391	113	189269	50.225	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.440%	
50) Toluene-d8	8.653	98	672487	48.792	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 97.580%	
62) 4-Bromofluorobenzene	11.085	95	268779	50.449	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 100.900%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	23955	9.109	ug/l	99
3) Chloromethane	1.288	50	956	0.347	ug/l	89
4) Vinyl Chloride	1.374	62	656321	216.884	ug/l	99
5) Bromomethane	1.605	94	919	Below Cal	#	41
10) Methyl Iodide	2.453	142	273	4.300	ug/l #	52
11) Tert butyl alcohol	2.934	59	1217	1.540	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	5654	2.074	ug/l	84
14) Allyl chloride	2.544	41	2437	0.595	ug/l #	60
16) Acetone	2.386	43	3608	2.686	ug/l	91
18) Methyl Acetate	2.697	43	959	0.276	ug/l #	82
21) trans-1,2-Dichloroethene	3.099	96	9710	3.157	ug/l	85
27) cis-1,2-Dichloroethene	4.495	96	1998383	544.846	ug/l	86
29) Tetrahydrofuran	5.032	42	1228	0.884	ug/l #	63
31) Cyclohexane	5.550	56	5818	1.312	ug/l #	3
36) 1,1-Dichloropropene	5.556	75	23666	4.881	ug/l #	49
38) Carbon Tetrachloride	5.556	117	32371	5.842	ug/l #	15
41) Methacrylonitrile	5.038	41	736	0.290	ug/l #	34
44) Trichloroethene	7.129	130	58500	13.224	ug/l	89
51) 4-Methyl-2-Pentanone	8.647	43	2428	0.497	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	130729	25.014	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	130729	73.385	ug/l #	15

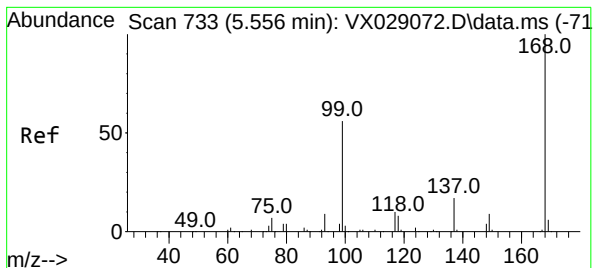
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX029203.D

Acq: 03 Jun 2022 20:18

Instrument :

MSVOA_X

ClientSampleId :

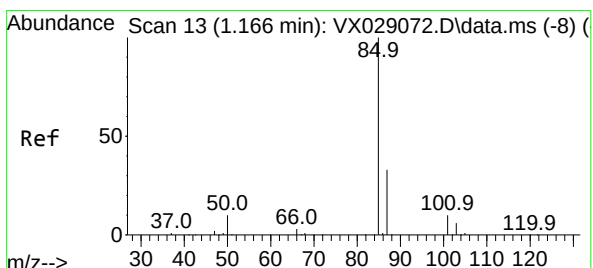
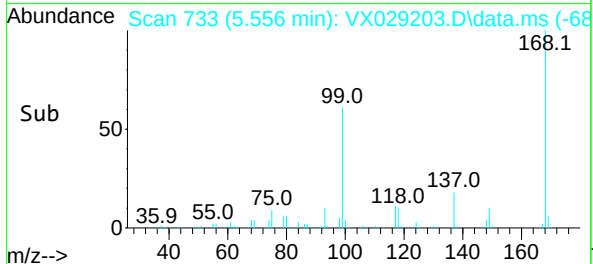
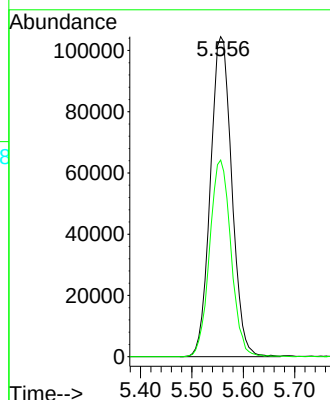
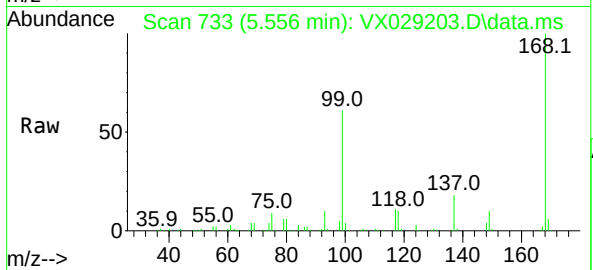
91BR-20220525

Tgt Ion:168 Resp: 302468

Ion Ratio Lower Upper

168 100

99 61.4 41.7 62.5



#2

Dichlorodifluoromethane

Concen: 9.109 ug/l

RT: 1.166 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX029203.D

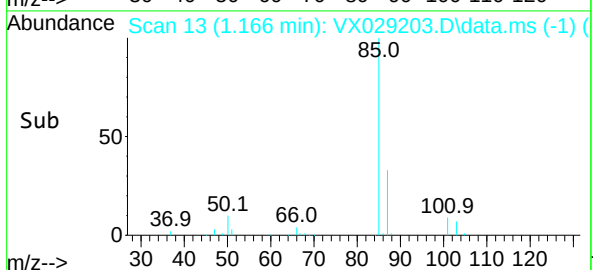
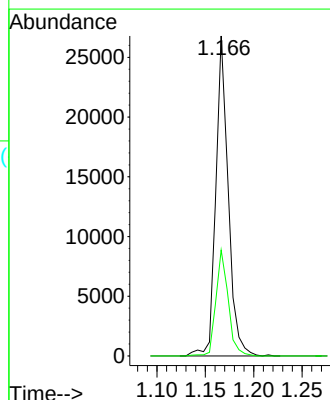
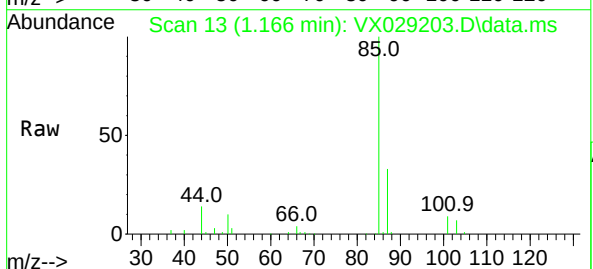
Acq: 03 Jun 2022 20:18

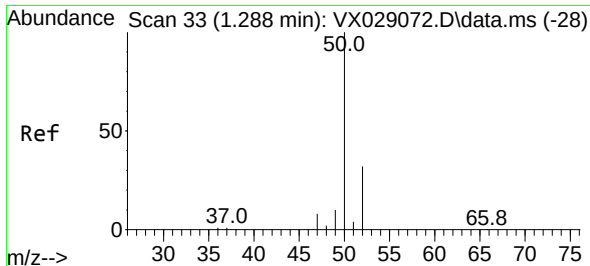
Tgt Ion: 85 Resp: 23955

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.6

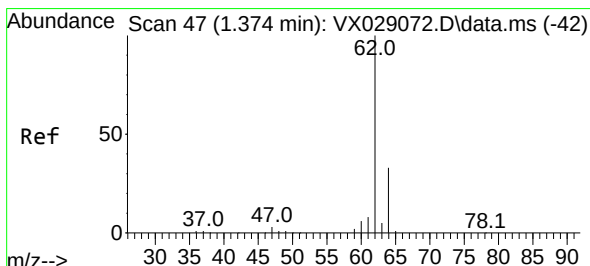
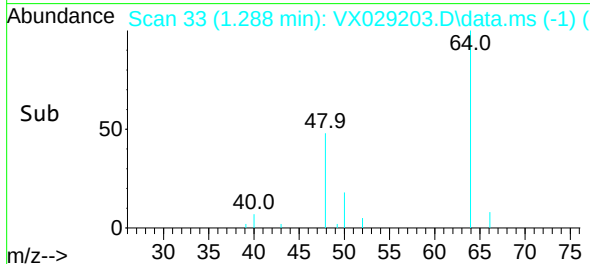
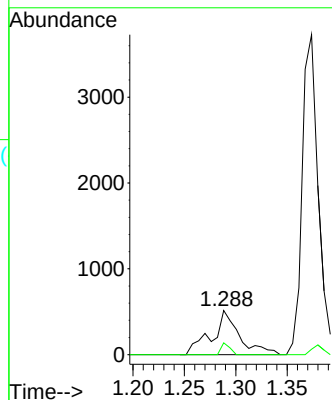
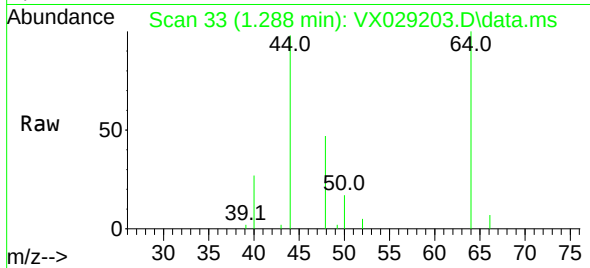




#3
Chloromethane
Concen: 0.347 ug/l
RT: 1.288 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX029203.D
Acq: 03 Jun 2022 20:18

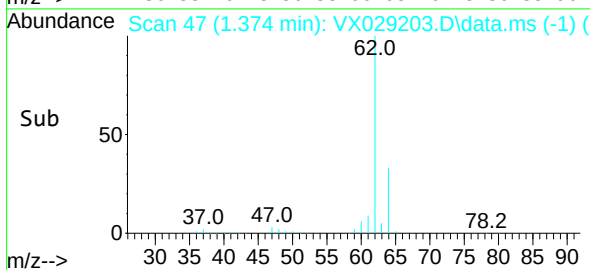
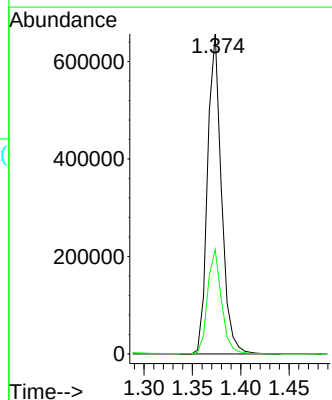
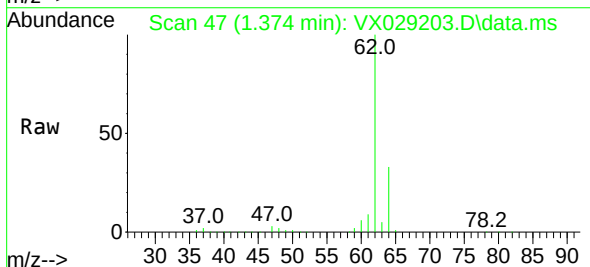
Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525

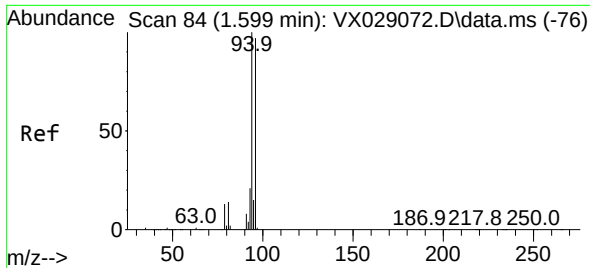
Tgt Ion: 50 Resp: 956
Ion Ratio Lower Upper
50 100
52 26.6 26.4 39.6



#4
Vinyl Chloride
Concen: 216.884 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX029203.D
Acq: 03 Jun 2022 20:18

Tgt Ion: 62 Resp: 656321
Ion Ratio Lower Upper
62 100
64 32.6 25.5 38.3

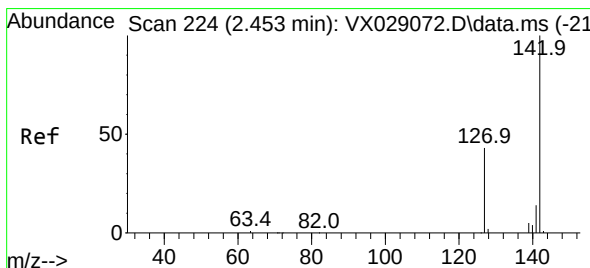
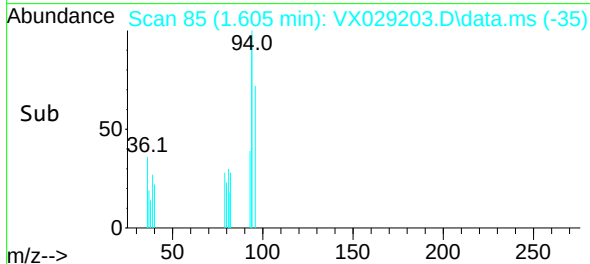
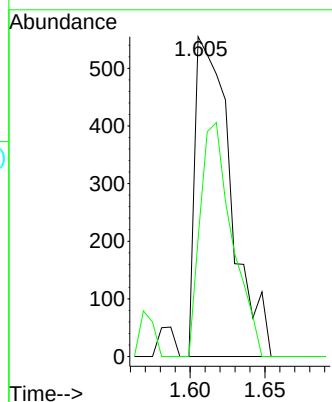
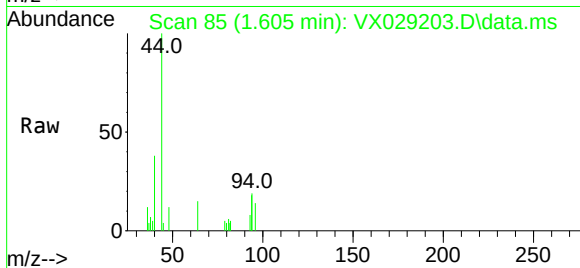




#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX029203.D
Acq: 03 Jun 2022 20:18

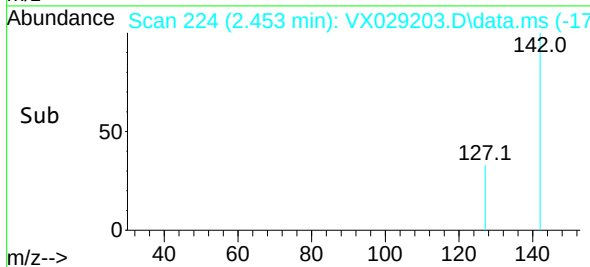
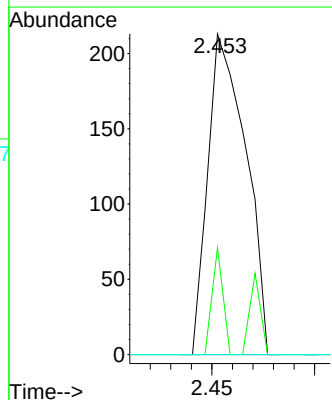
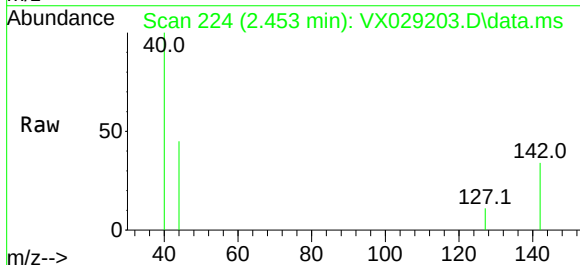
Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525

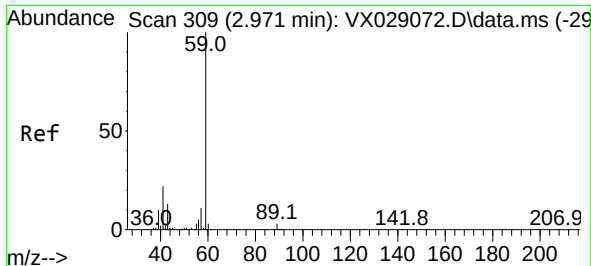
Tgt Ion: 94 Resp: 919
Ion Ratio Lower Upper
94 100
96 36.9 75.3 112.9#



#10
Methyl Iodide
Concen: 4.300 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX029203.D
Acq: 03 Jun 2022 20:18

Tgt Ion: 142 Resp: 273
Ion Ratio Lower Upper
142 100
127 9.5 33.9 50.9#
141 0.0 11.4 17.2#

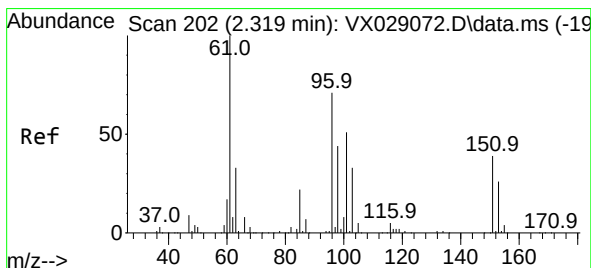
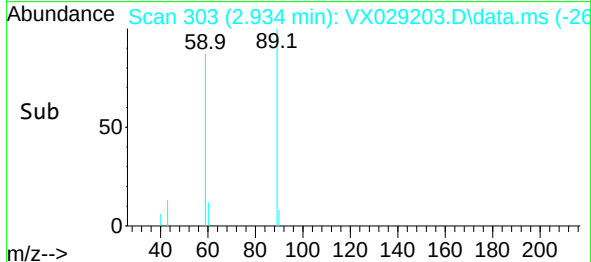
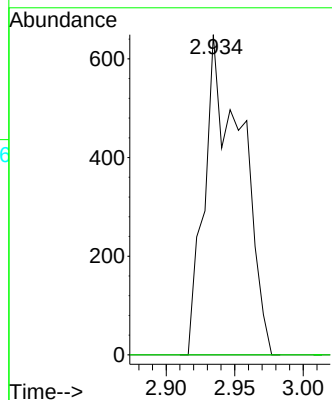
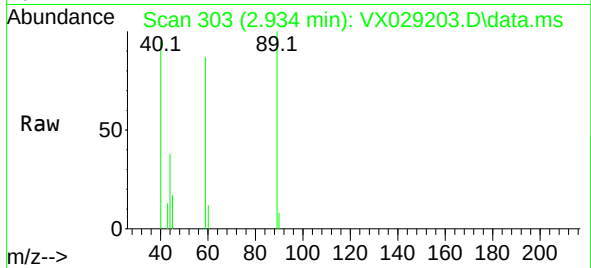




#11
Tert butyl alcohol
Concen: 1.540 ug/l
RT: 2.934 min Scan# 309
Delta R.T. -0.037 min
Lab File: VX029203.D
Acq: 03 Jun 2022 20:18

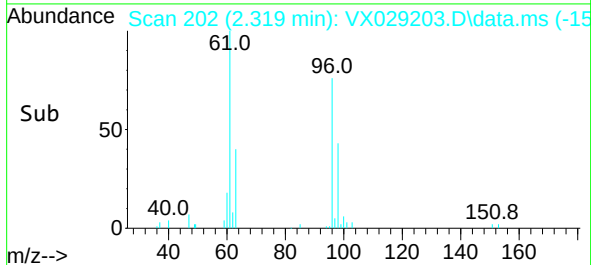
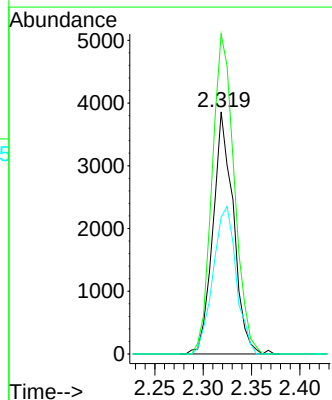
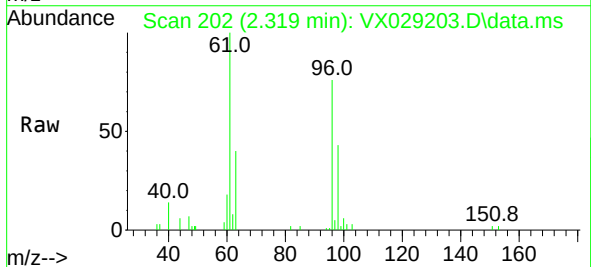
Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525

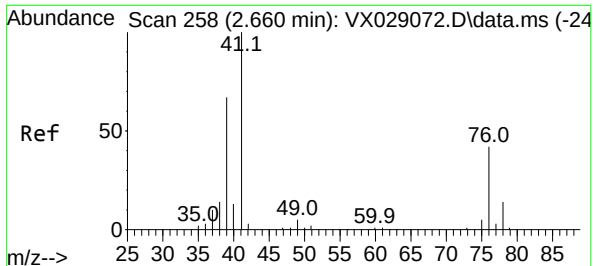
Tgt Ion: 59 Resp: 1217
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 2.074 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX029203.D
Acq: 03 Jun 2022 20:18

Tgt Ion: 96 Resp: 5654
Ion Ratio Lower Upper
96 100
61 132.2 124.6 187.0
98 56.5 51.0 76.4

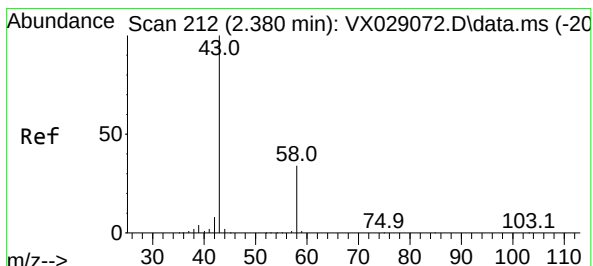
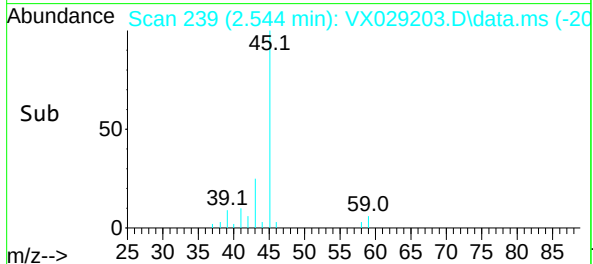
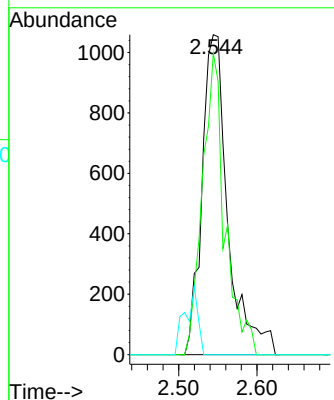
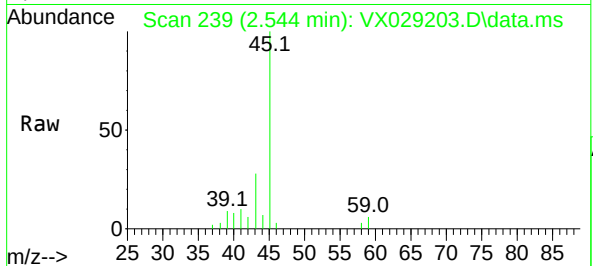




#14
 Allyl chloride
 Concen: 0.595 ug/l
 RT: 2.544 min Scan# 213
 Delta R.T. -0.116 min
 Lab File: VX029203.D
 Acq: 03 Jun 2022 20:18

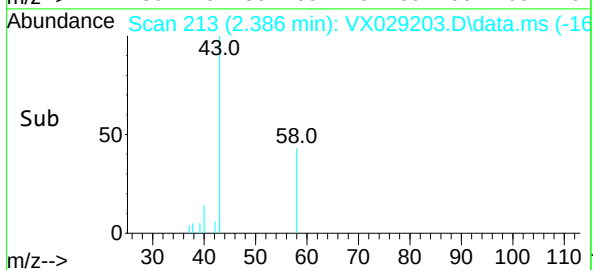
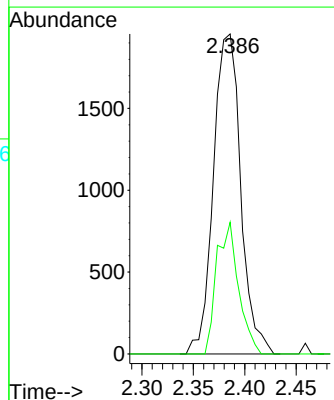
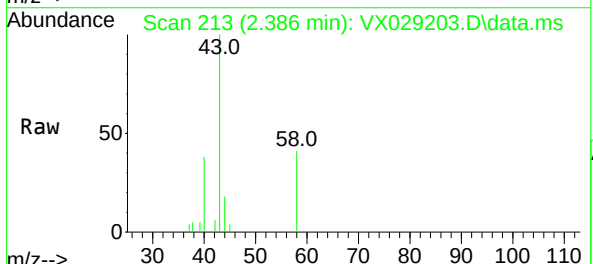
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 ClientSampleId :
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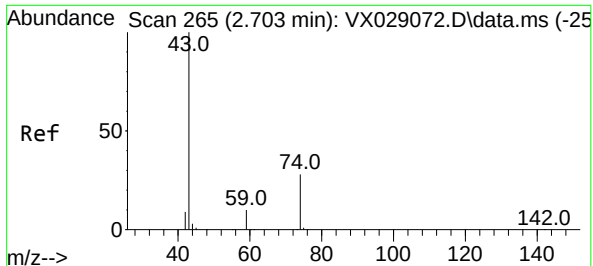
Tgt Ion: 41 Resp: 2437
 Ion Ratio Lower Upper
 41 100
 39 81.3 50.4 75.6#
 76 0.0 32.7 49.1#



#16
 Acetone
 Concen: 2.686 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. 0.006 min
 Lab File: VX029203.D
 Acq: 03 Jun 2022 20:18

Tgt Ion: 43 Resp: 3608
 Ion Ratio Lower Upper
 43 100
 58 41.1 28.8 43.2

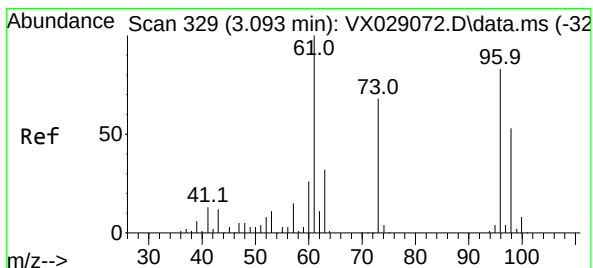
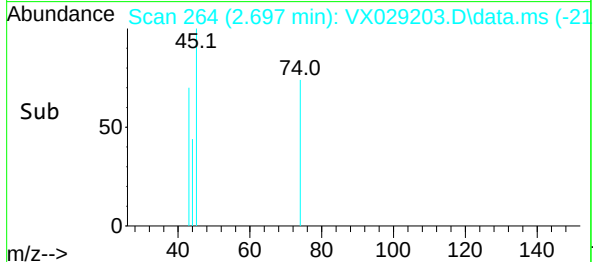
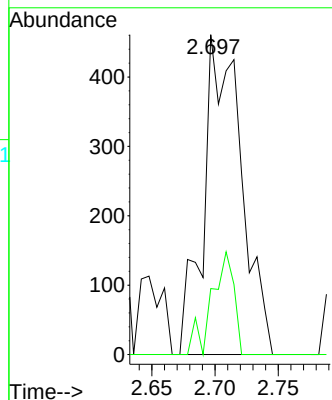
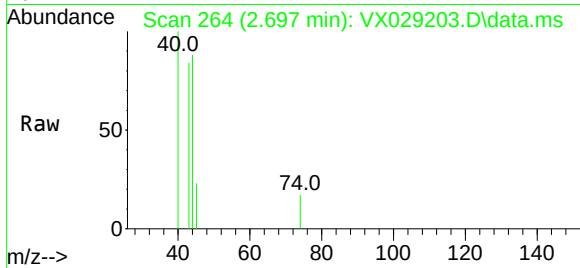




#18
Methyl Acetate
Concen: 0.276 ug/l
RT: 2.697 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX029203.D
Acq: 03 Jun 2022 20:18

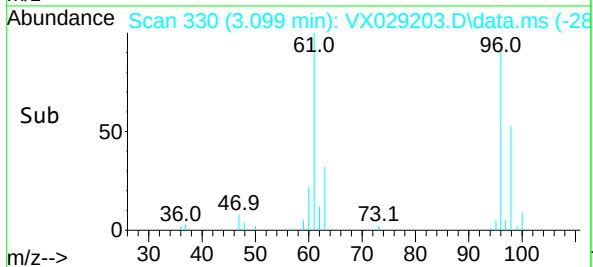
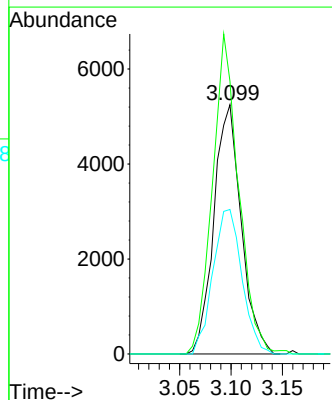
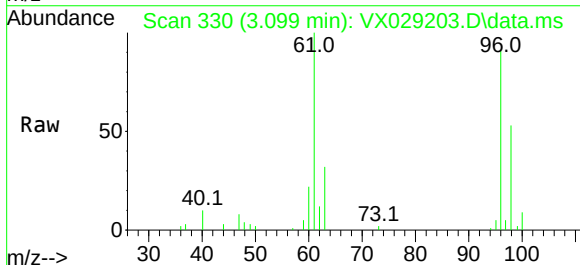
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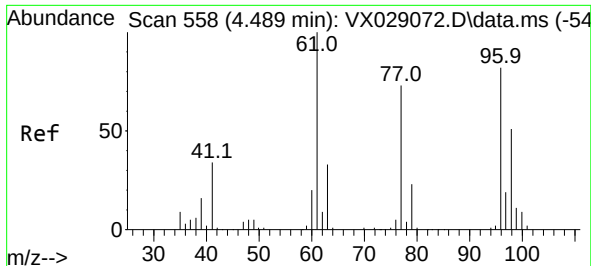
Tgt Ion: 43 Resp: 959
Ion Ratio Lower Upper
43 100
74 18.8 22.8 34.2#



#21
trans-1,2-Dichloroethene
Concen: 3.157 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX029203.D
Acq: 03 Jun 2022 20:18

Tgt Ion: 96 Resp: 9710
Ion Ratio Lower Upper
96 100
61 109.4 105.4 158.2
98 57.9 50.0 75.0





#27

cis-1,2-Dichloroethene

Concen: 544.846 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX029203.D

Acq: 03 Jun 2022 20:18

Instrument :

MSVOA_X

ClientSampleId :

91BR-20220525

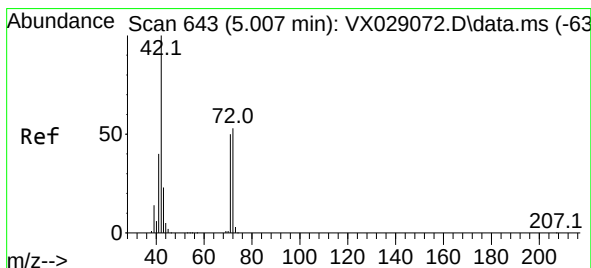
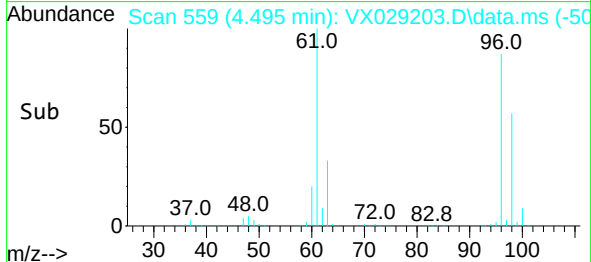
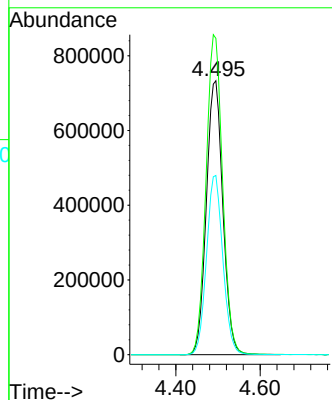
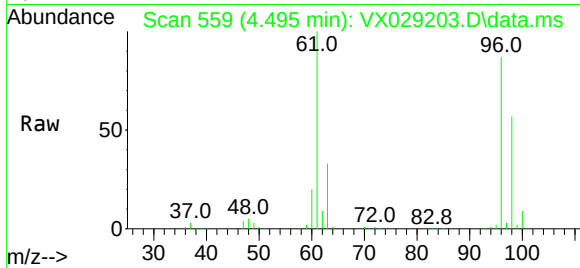
Tgt Ion: 96 Resp: 1998383

Ion Ratio Lower Upper

96 100

61 117.1 0.0 283.8

98 64.8 0.0 129.8



#29

Tetrahydrofuran

Concen: 0.884 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.025 min

Lab File: VX029203.D

Acq: 03 Jun 2022 20:18

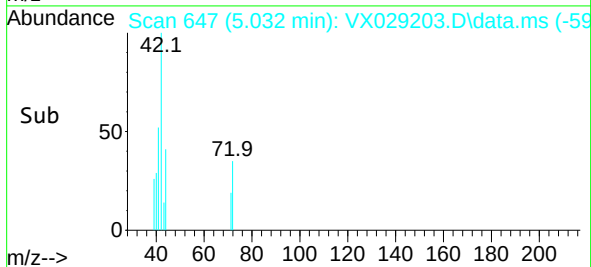
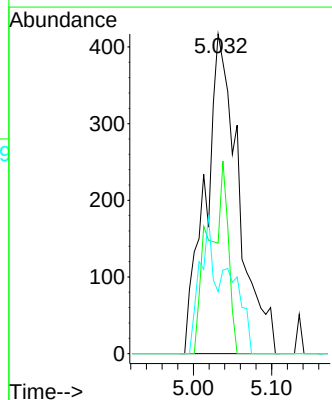
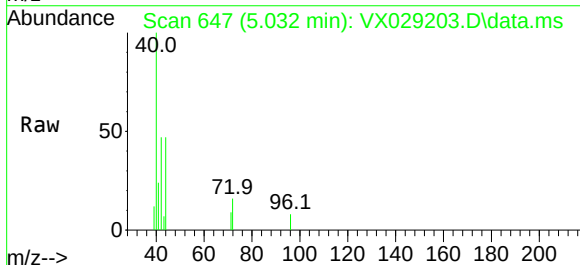
Tgt Ion: 42 Resp: 1228

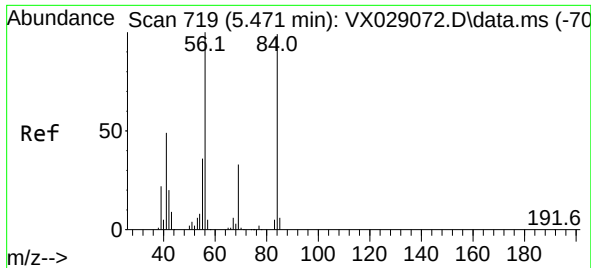
Ion Ratio Lower Upper

42 100

72 34.4 44.1 66.1#

71 19.2 40.5 60.7#

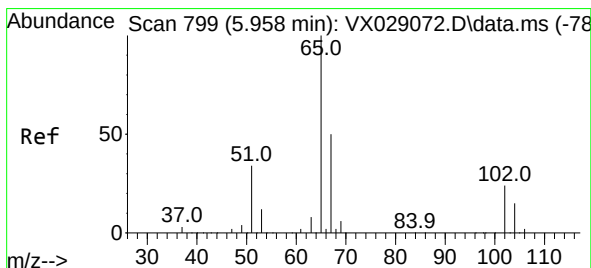
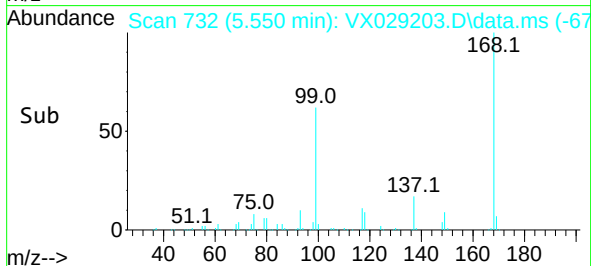
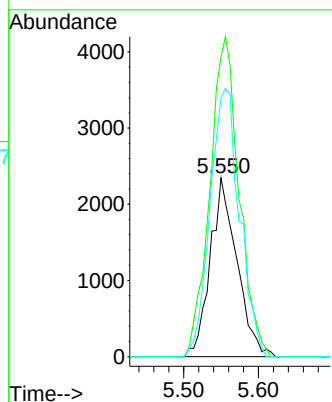
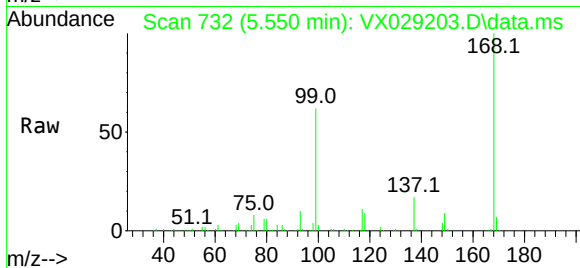




#31
Cyclohexane
Concen: 1.312 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX029203.D
Acq: 03 Jun 2022 20:18

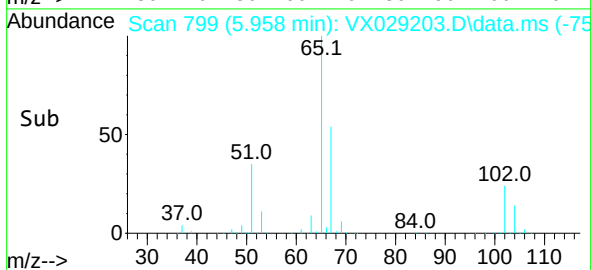
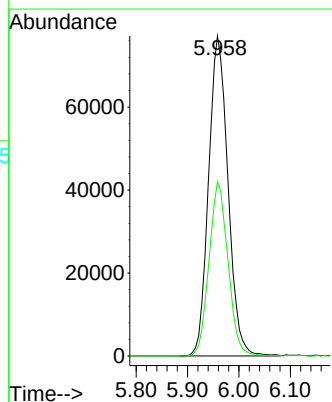
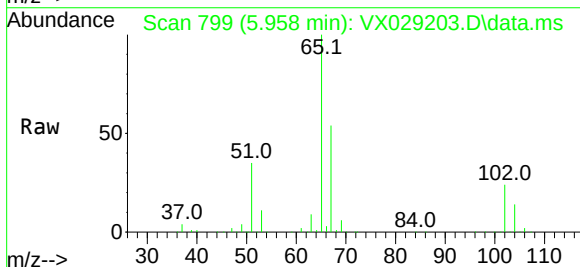
Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525

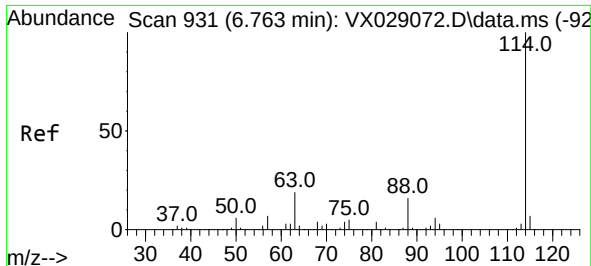
Tgt Ion: 56 Resp: 5818
Ion Ratio Lower Upper
56 100
69 167.8 26.7 40.1#
84 144.8 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 59.263 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029203.D
Acq: 03 Jun 2022 20:18

Tgt Ion: 65 Resp: 202130
Ion Ratio Lower Upper
65 100
67 53.3 0.0 107.4

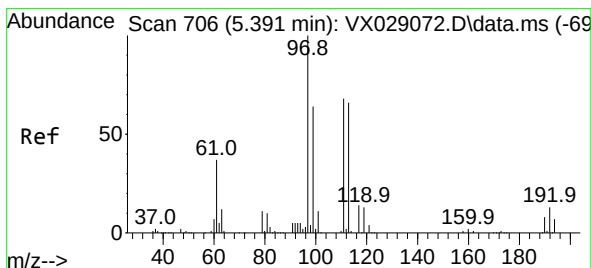
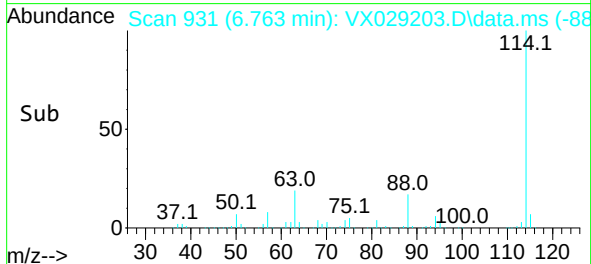
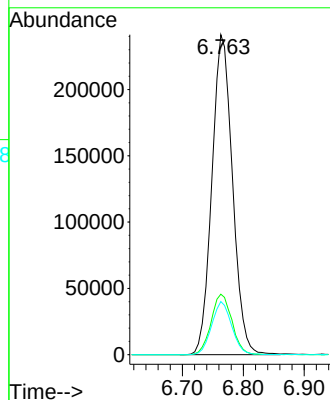
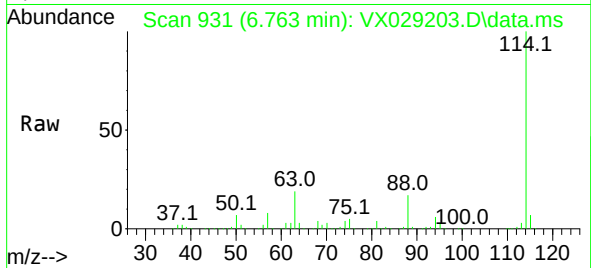




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029203.D
Acq: 03 Jun 2022 20:18

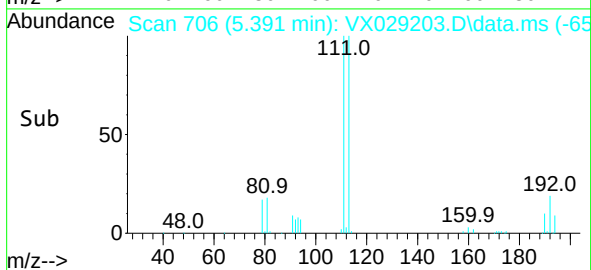
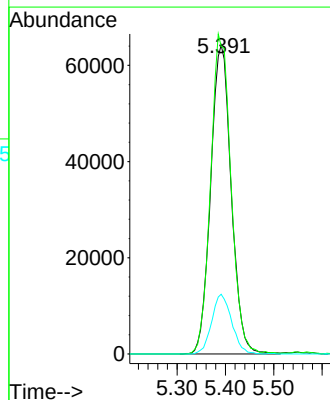
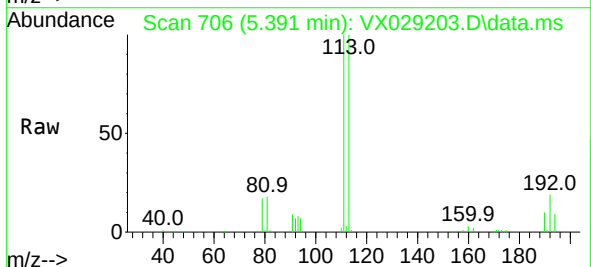
Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525

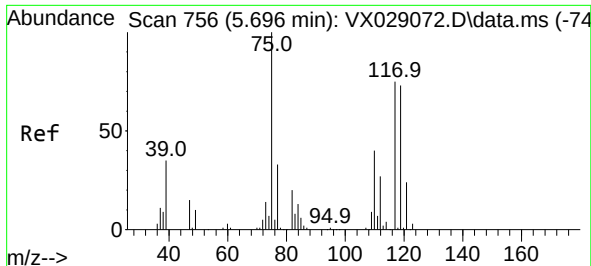
Tgt Ion:114 Resp: 567347
Ion Ratio Lower Upper
114 100
63 18.9 0.0 36.8
88 16.6 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.225 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029203.D
Acq: 03 Jun 2022 20:18

Tgt Ion:113 Resp: 189269
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 18.8 16.9 25.3

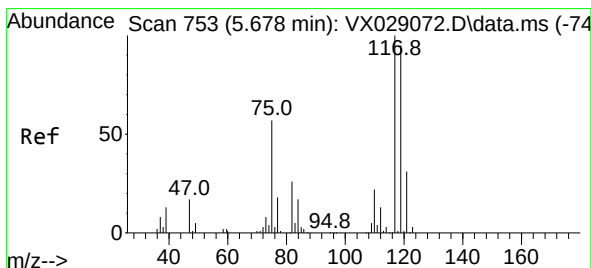
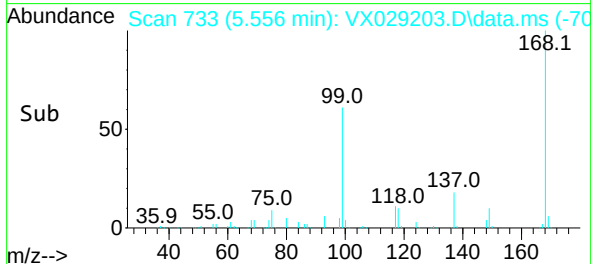
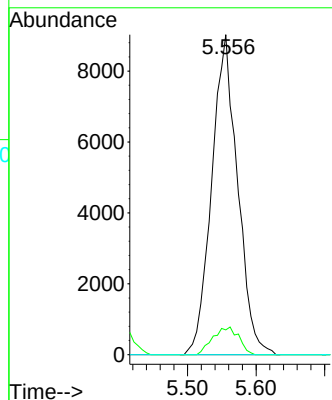
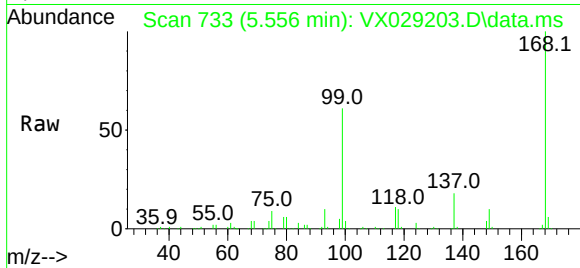




#36
1,1-Dichloropropene
Concen: 4.881 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX029203.D
Acq: 03 Jun 2022 20:18

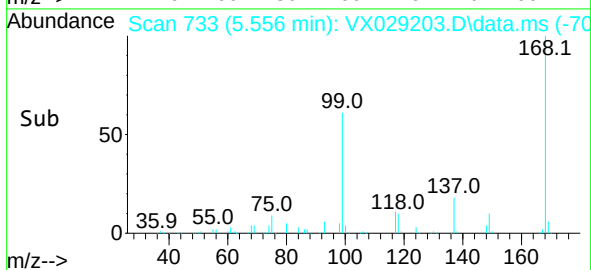
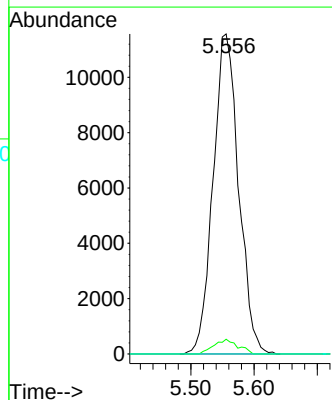
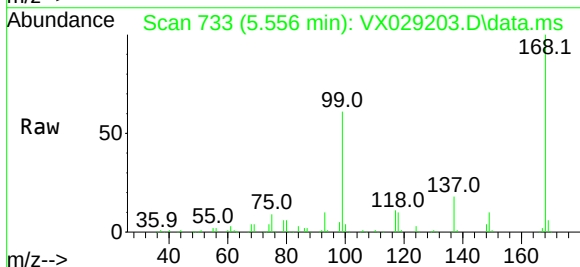
Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525

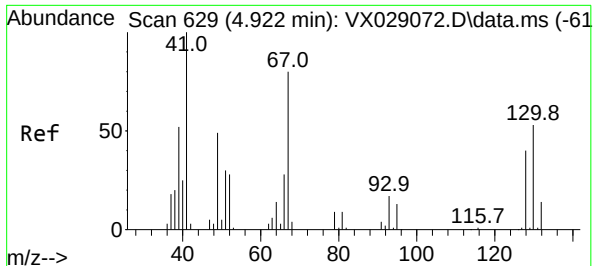
Tgt Ion: 75 Resp: 23666
Ion Ratio Lower Upper
75 100
110 8.7 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.842 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX029203.D
Acq: 03 Jun 2022 20:18

Tgt Ion: 117 Resp: 32371
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 24.2 36.2#

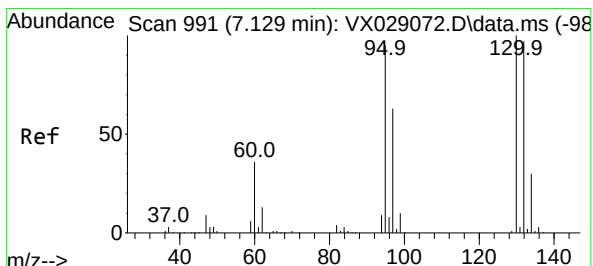
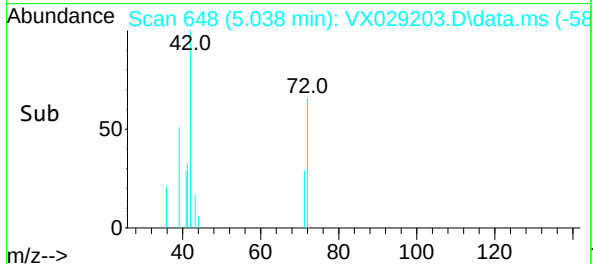
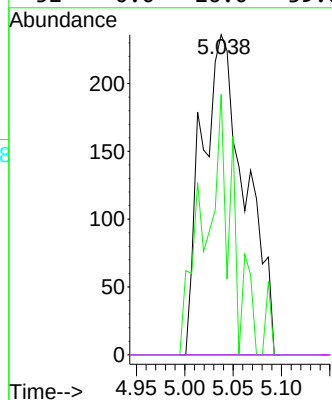
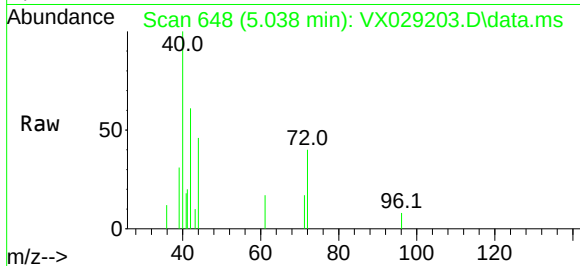




#41
Methacrylonitrile
Concen: 0.290 ug/l
RT: 5.038 min Scan# 641
Delta R.T. 0.116 min
Lab File: VX029203.D
Acq: 03 Jun 2022 20:18

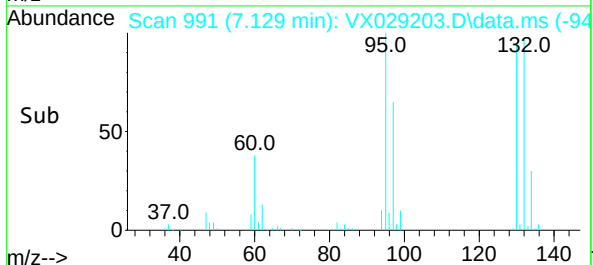
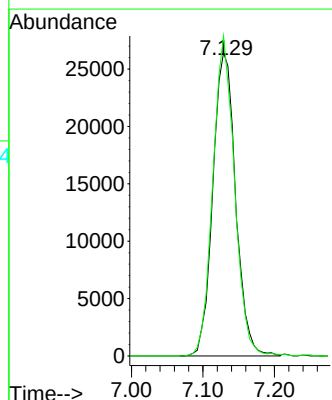
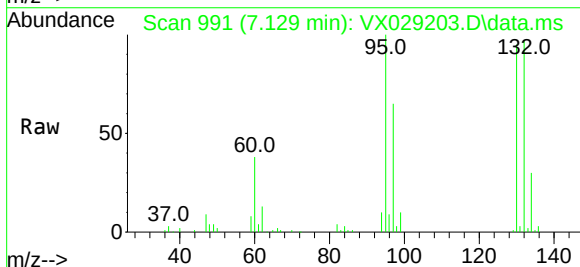
Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525

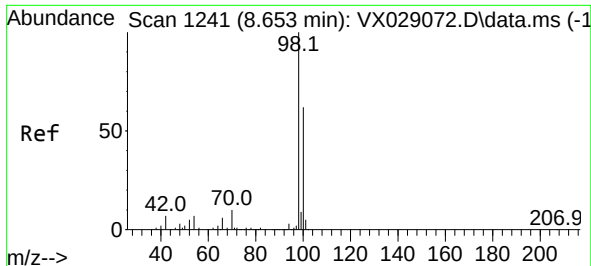
Tgt Ion: 41	Resp: 736
Ion Ratio	Lower Upper
41 100	
39 36.8	43.0 64.4#
67 0.0	70.2 105.4#
52 0.0	26.0 39.0#



#44
Trichloroethene
Concen: 13.224 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029203.D
Acq: 03 Jun 2022 20:18

Tgt Ion: 130	Resp: 58500
Ion Ratio	Lower Upper
130 100	
95 105.5	0.0 188.8

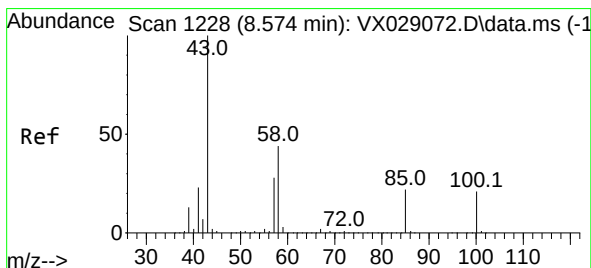
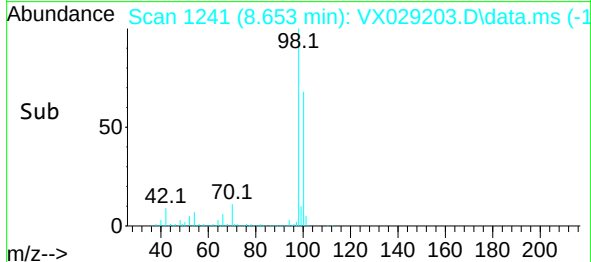
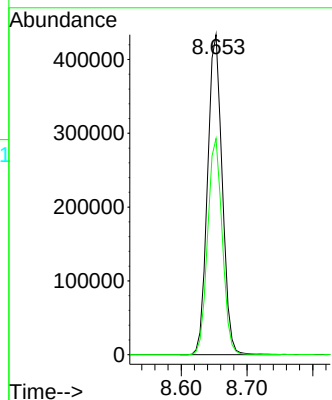
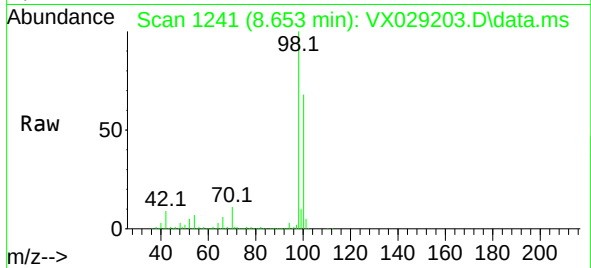




#50
Toluene-d8
Concen: 48.792 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029203.D
Acq: 03 Jun 2022 20:18

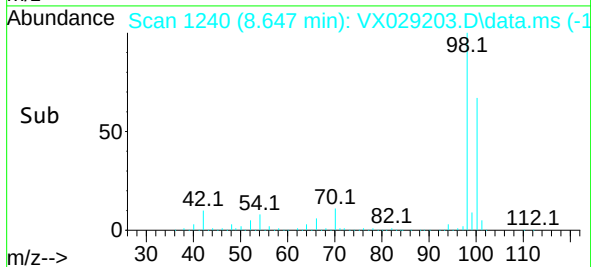
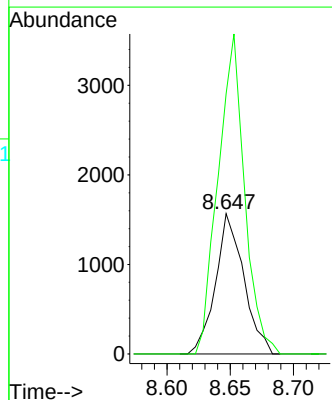
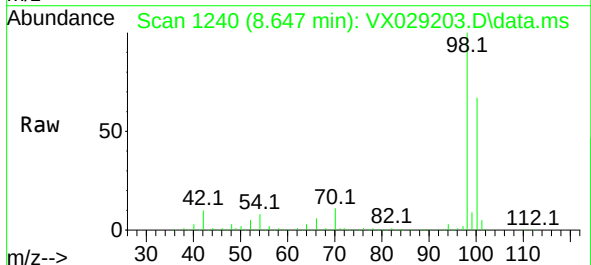
Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525

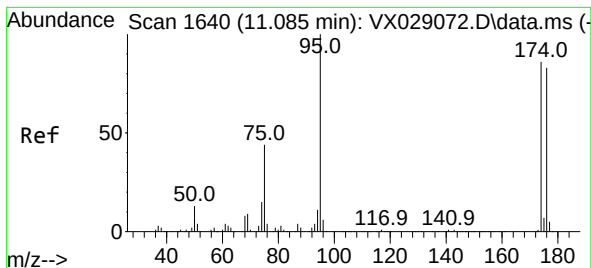
Tgt Ion: 98 Resp: 672487
Ion Ratio Lower Upper
98 100
100 67.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.497 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX029203.D
Acq: 03 Jun 2022 20:18

Tgt Ion: 43 Resp: 2428
Ion Ratio Lower Upper
43 100
58 214.2 36.1 54.1#

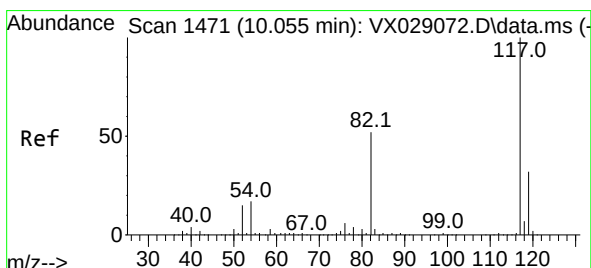
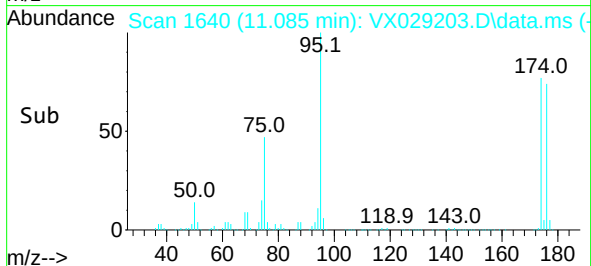
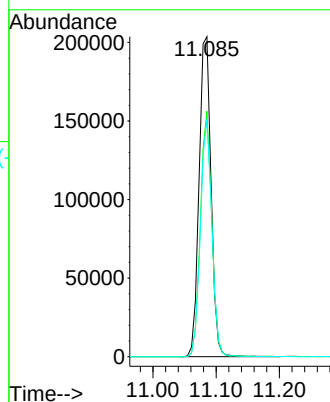
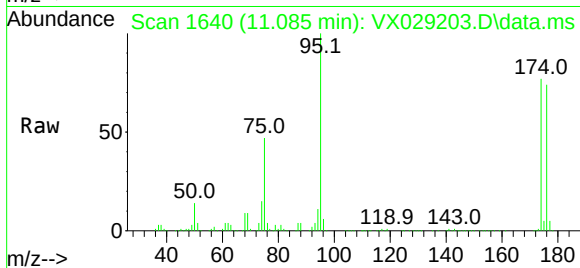




#62
4-Bromofluorobenzene
Concen: 50.449 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX029203.D
Acq: 03 Jun 2022 20:18

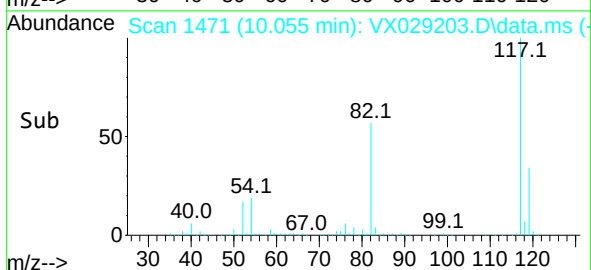
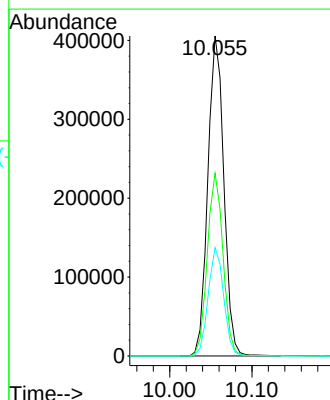
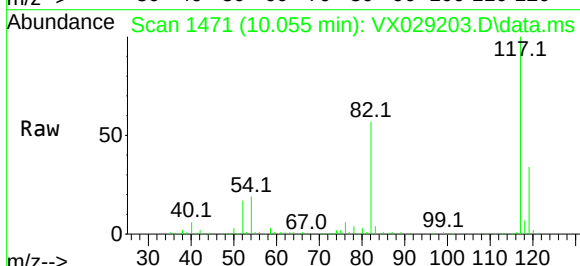
Instrument :
MSVOA_X
ClientSampleId :
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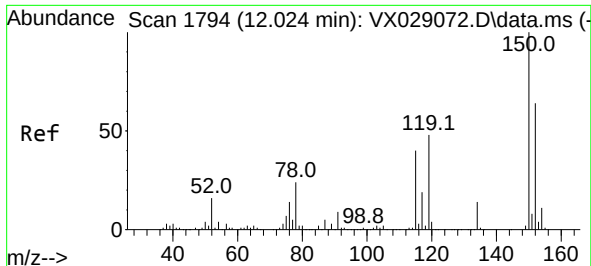
Tgt Ion: 95 Resp: 268779
Ion Ratio Lower Upper
95 100
174 73.2 0.0 163.0
176 71.1 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029203.D
Acq: 03 Jun 2022 20:18

Tgt Ion: 117 Resp: 548563
Ion Ratio Lower Upper
117 100
82 57.1 41.8 62.8
119 33.9 24.8 37.2

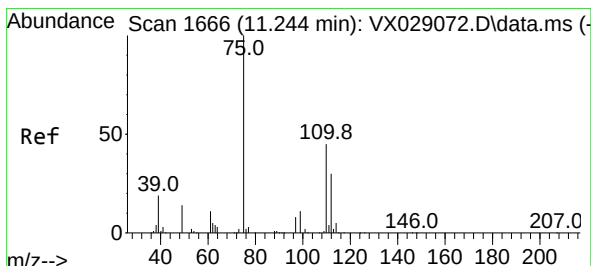
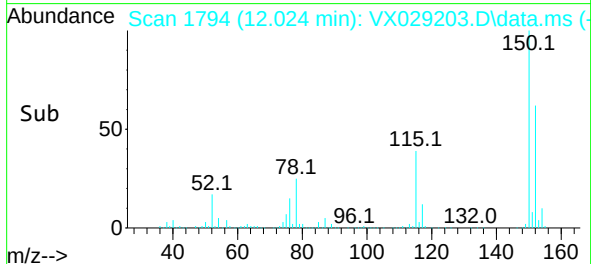
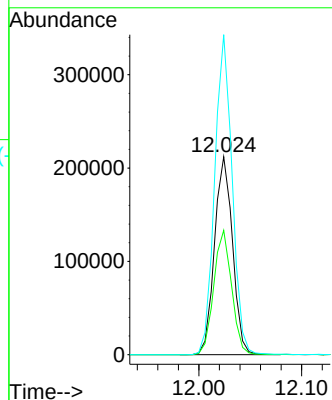
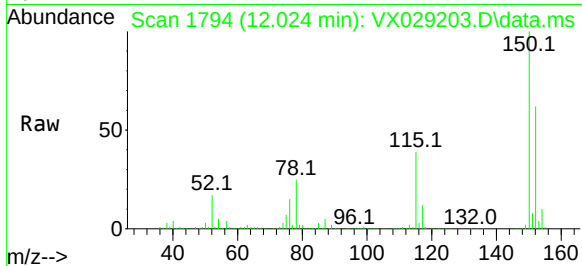




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029203.D
 Acq: 03 Jun 2022 20:18

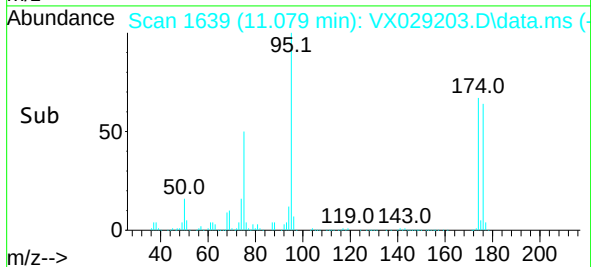
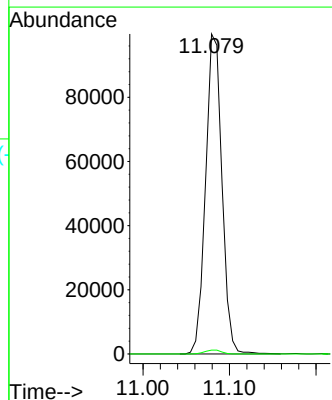
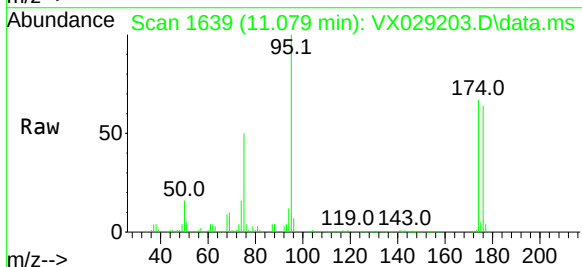
Instrument :
 MSVOA_X
 ClientSampleId :
 91BR-20220525

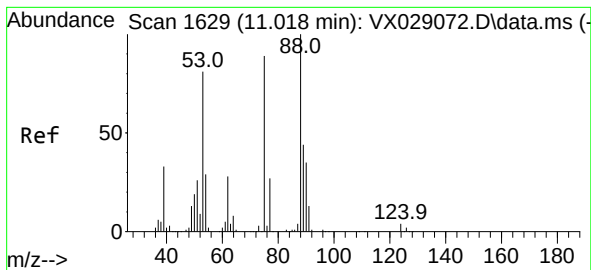
Tgt Ion:152 Resp: 257813
 Ion Ratio Lower Upper
 152 100
 115 62.2 37.5 112.7
 150 156.9 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 25.014 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX029203.D
 Acq: 03 Jun 2022 20:18

Tgt Ion: 75 Resp: 130729
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.385 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029203.D
 Acq: 03 Jun 2022 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 91BR-20220525

Tgt Ion: 75 Resp: 130729
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

