

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053122\
 Data File : VX029095.D
 Acq On : 31 May 2022 23:32
 Operator : JC/MD
 Sample : N3022-09 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 91BR-20220525

Quant Time: Jun 01 05:02:54 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)

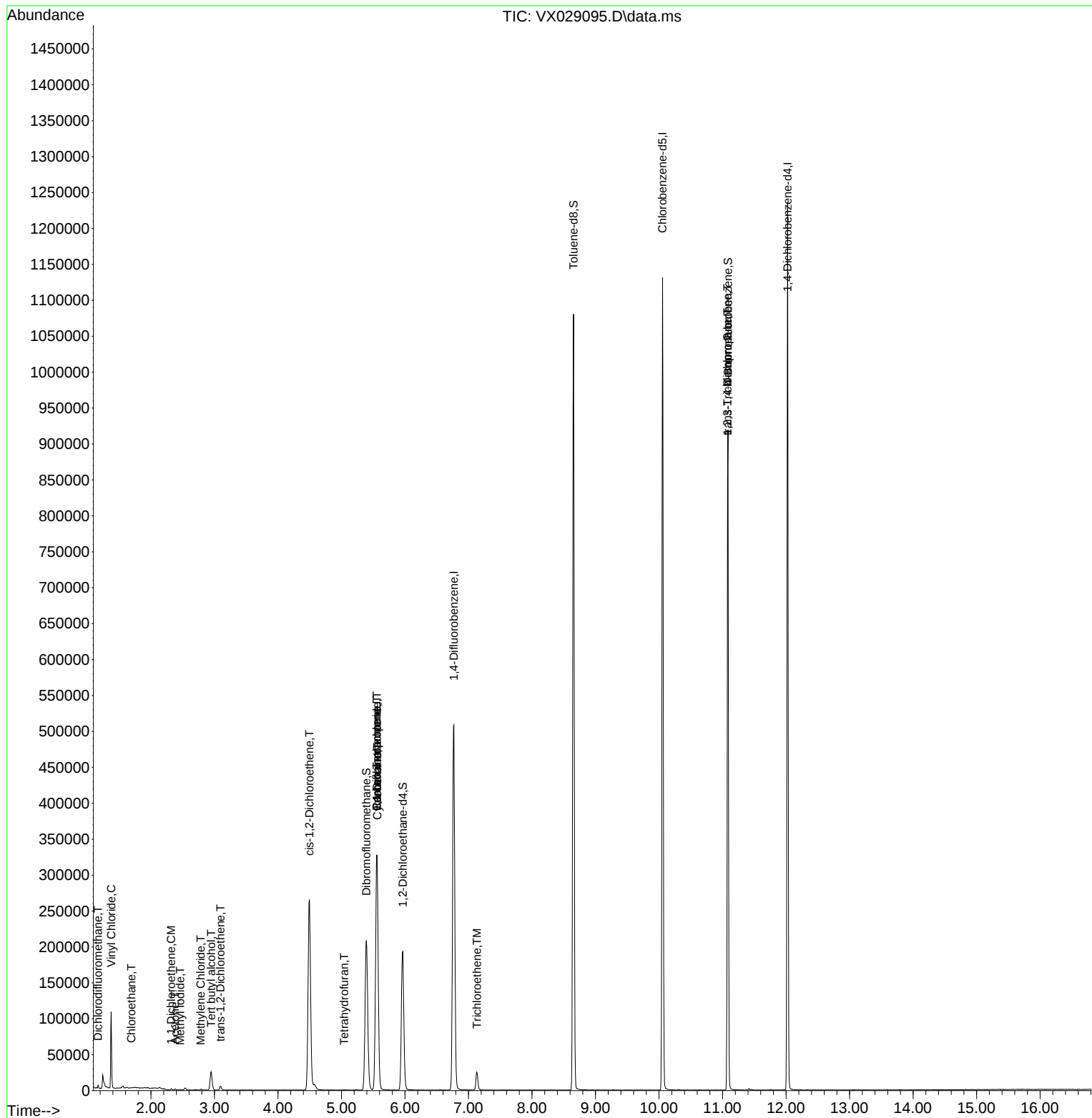
Internal Standards						
1) Pentafluorobenzene	5.556	168	330791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	565318	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	552639	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	260785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	192325	51.560	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.120%	
35) Dibromofluoromethane	5.391	113	188919	50.312	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.620%	
50) Toluene-d8	8.653	98	666067	48.499	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 97.000%	
62) 4-Bromofluorobenzene	11.085	95	258743	48.739	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 97.480%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	2177	0.757	ug/l	96
4) Vinyl Chloride	1.374	62	64622	19.526	ug/l	98
5) Bromomethane	1.611	94	767	Below Cal		85
6) Chloroethane	1.691	64	367	1.528	ug/l #	43
10) Methyl Iodide	2.459	142	342	4.311	ug/l #	88
11) Tert butyl alcohol	2.947	59	14245	16.485	ug/l #	74
12) 1,1-Dichloroethene	2.319	96	627	0.210	ug/l #	74
16) Acetone	2.380	43	1525	1.038	ug/l	95
20) Methylene Chloride	2.782	84	686	0.200	ug/l #	56
21) trans-1,2-Dichloroethene	3.093	96	2601	0.773	ug/l #	80
27) cis-1,2-Dichloroethene	4.495	96	185213	46.173	ug/l	83
29) Tetrahydrofuran	5.044	42	383	0.252	ug/l #	42
31) Cyclohexane	5.562	56	5102	1.052	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	22220	4.599	ug/l #	50
38) Carbon Tetrachloride	5.556	117	32509	5.888	ug/l #	16
44) Trichloroethene	7.135	130	10767	1.862	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	121219	22.930	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	121219	67.271	ug/l #	15
94) Hexachlorobutadiene	13.725	225	19	Below Cal	#	16

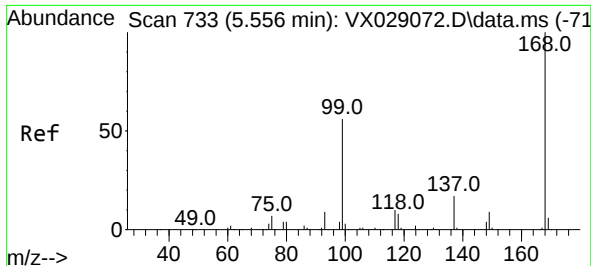
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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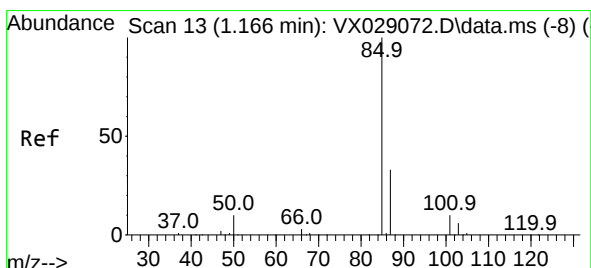
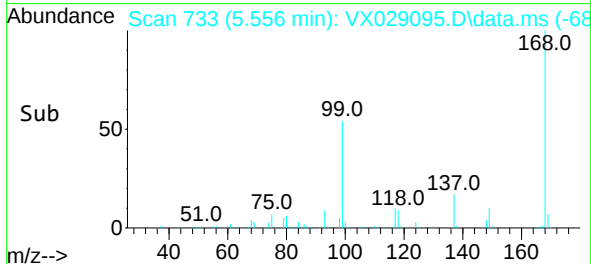
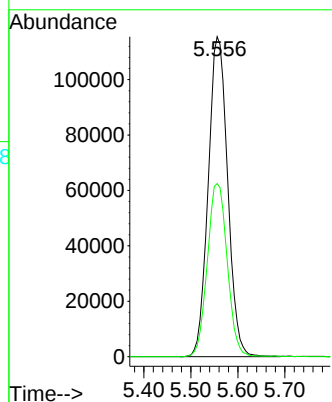
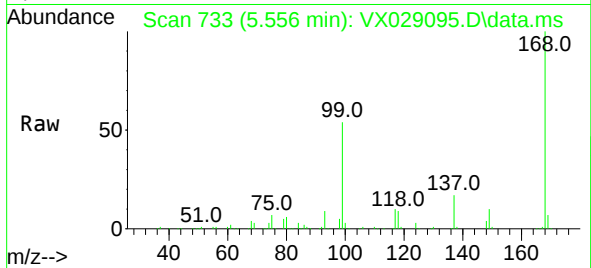




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029095.D
Acq: 31 May 2022 23:32

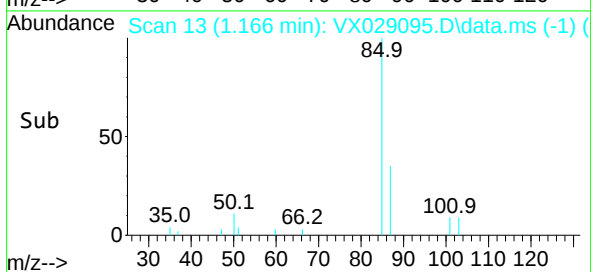
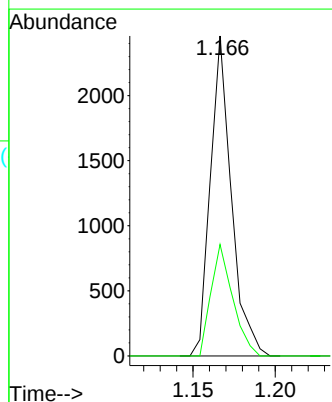
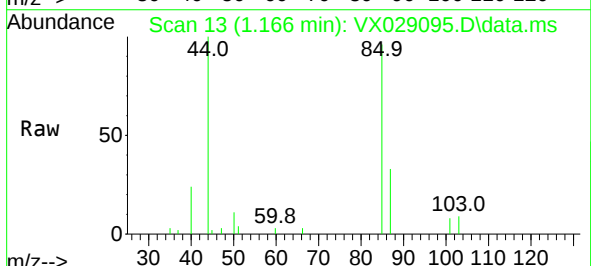
Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525

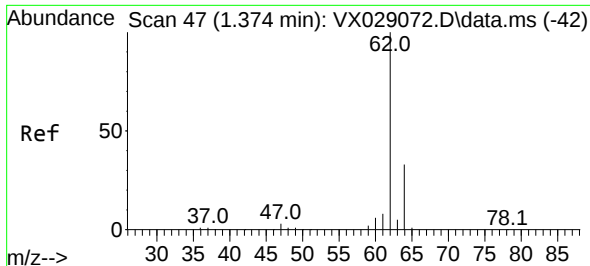
Tgt Ion:168 Resp: 330791
Ion Ratio Lower Upper
168 100
99 54.1 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.757 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX029095.D
Acq: 31 May 2022 23:32

Tgt Ion: 85 Resp: 2177
Ion Ratio Lower Upper
85 100
87 34.9 16.2 48.6

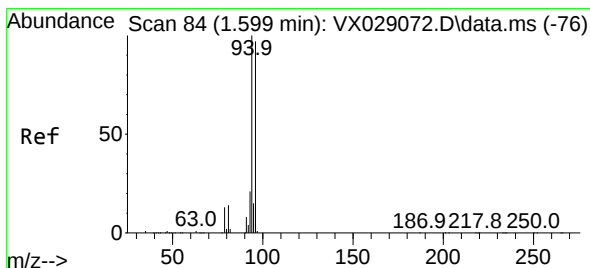
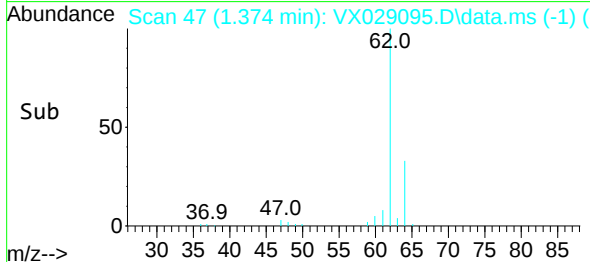
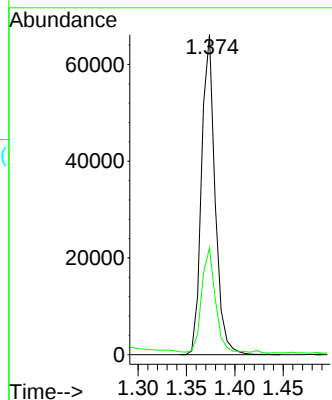
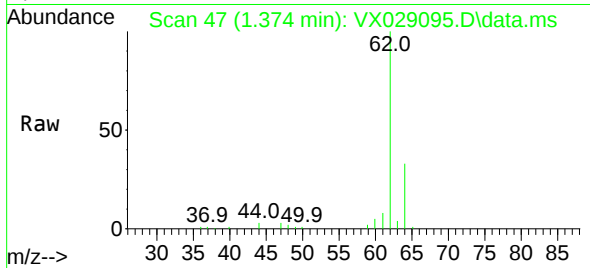




#4
 Vinyl Chloride
 Concen: 19.526 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX029095.D
 Acq: 31 May 2022 23:32

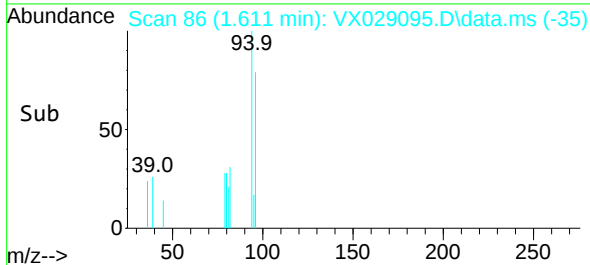
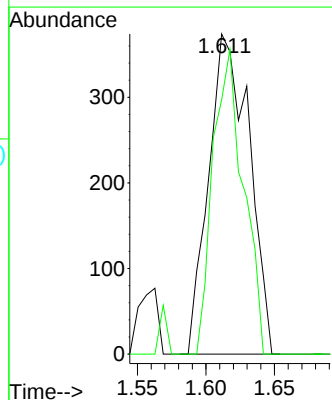
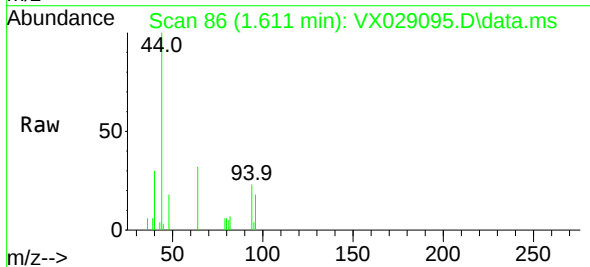
Instrument :
 MSVOA_X
 ClientSampleId :
 91BR-20220525

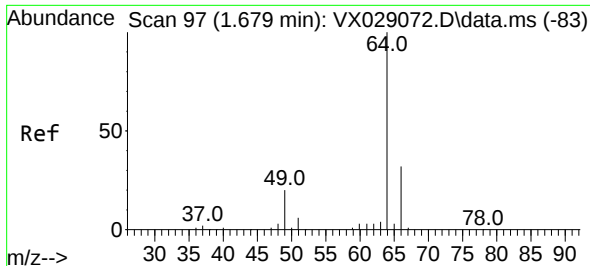
Tgt Ion: 62 Resp: 64622
 Ion Ratio Lower Upper
 62 100
 64 32.8 25.5 38.3



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.611 min Scan# 86
 Delta R.T. 0.012 min
 Lab File: VX029095.D
 Acq: 31 May 2022 23:32

Tgt Ion: 94 Resp: 767
 Ion Ratio Lower Upper
 94 100
 96 79.4 75.3 112.9

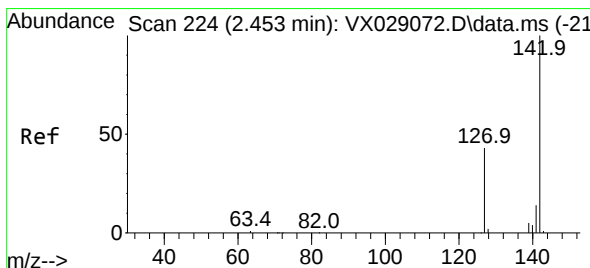
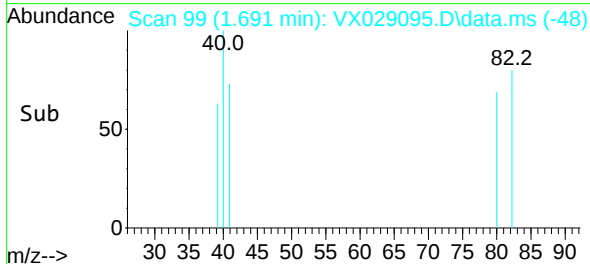
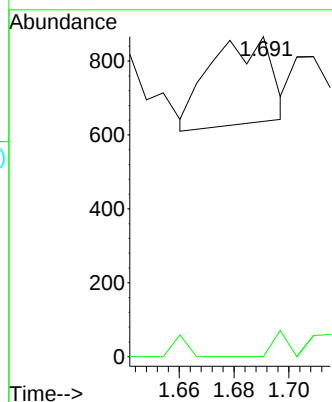
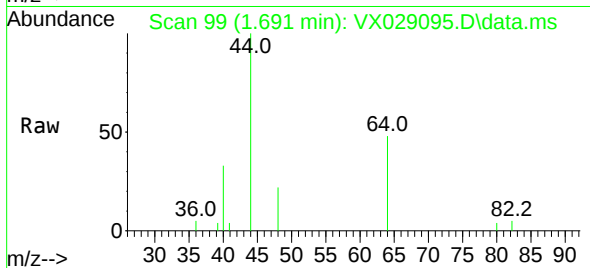




#6
Chloroethane
Concen: 1.528 ug/l
RT: 1.691 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX029095.D
Acq: 31 May 2022 23:32

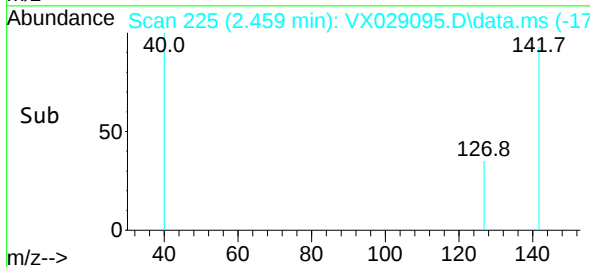
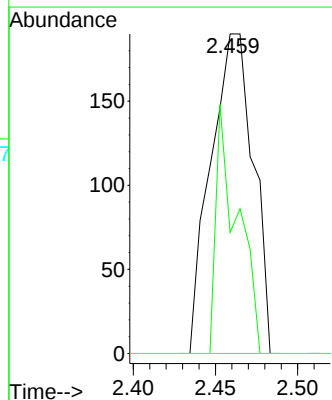
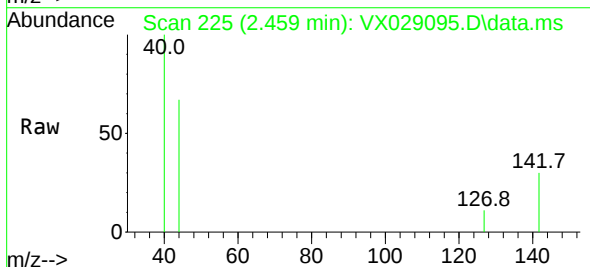
Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525

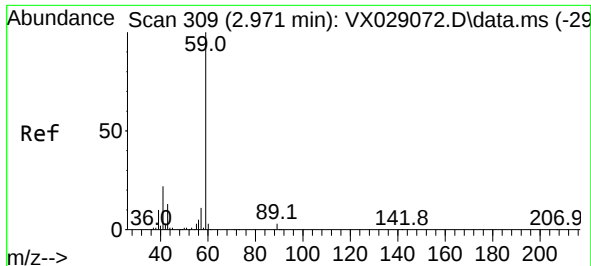
Tgt Ion: 64 Resp: 367
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 4.311 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029095.D
Acq: 31 May 2022 23:32

Tgt Ion: 142 Resp: 342
Ion Ratio Lower Upper
142 100
127 39.5 33.9 50.9
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 16.485 ug/l

RT: 2.947 min Scan# 309

Delta R.T. -0.024 min

Lab File: VX029095.D

Acq: 31 May 2022 23:32

Instrument :

MSVOA_X

ClientSampleId :

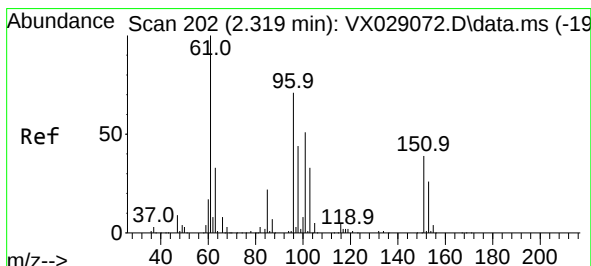
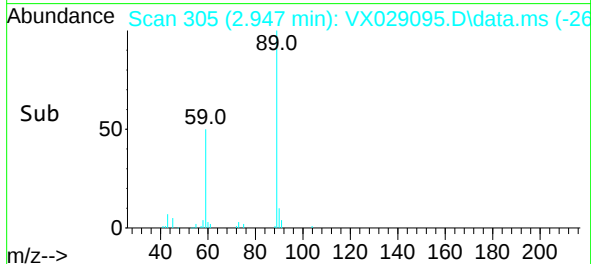
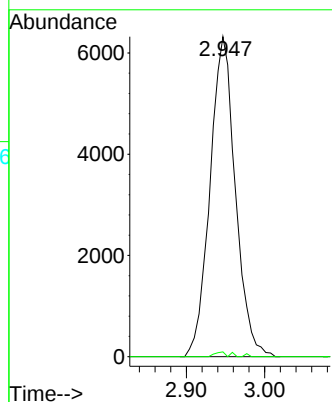
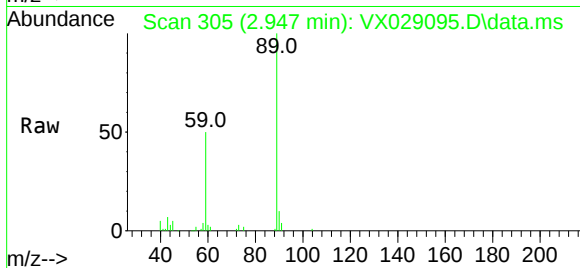
91BR-20220525

Tgt Ion: 59 Resp: 14245

Ion Ratio Lower Upper

59 100

57 0.8 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 0.210 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX029095.D

Acq: 31 May 2022 23:32

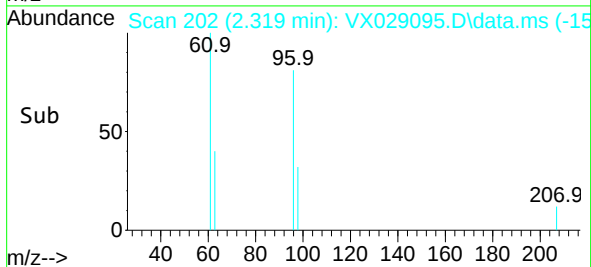
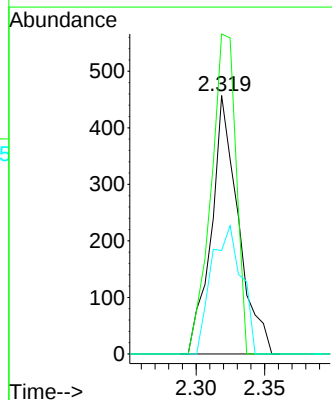
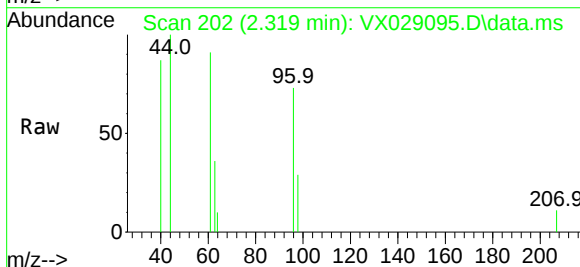
Tgt Ion: 96 Resp: 627

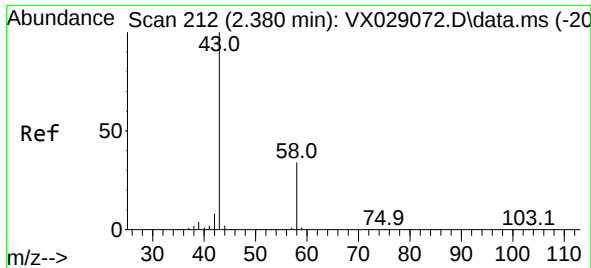
Ion Ratio Lower Upper

96 100

61 123.9 124.6 187.0#

98 40.0 51.0 76.4#

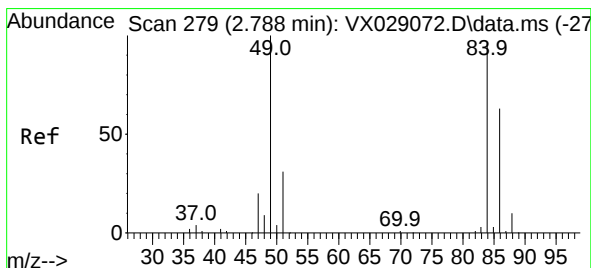
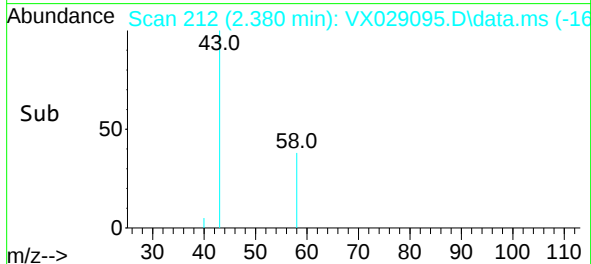
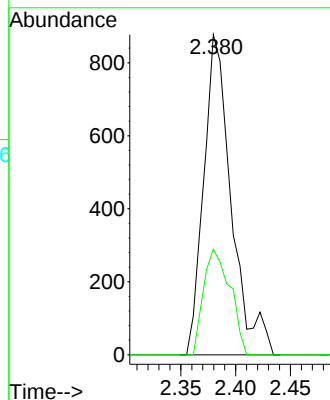
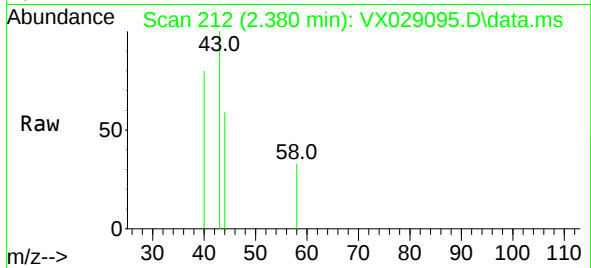




#16
Acetone
Concen: 1.038 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX029095.D
Acq: 31 May 2022 23:32

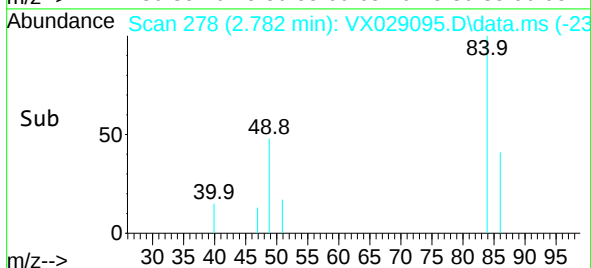
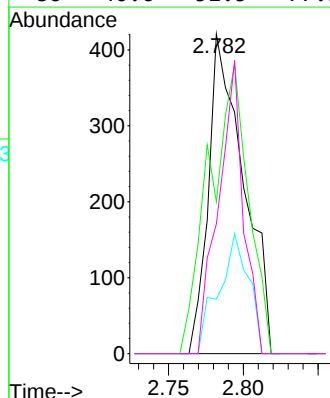
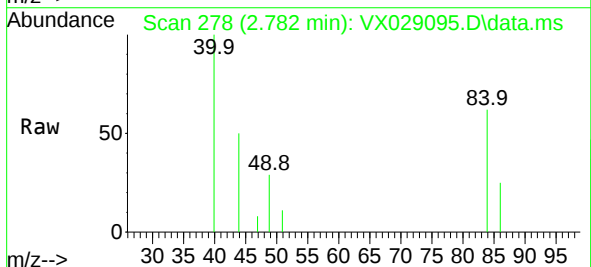
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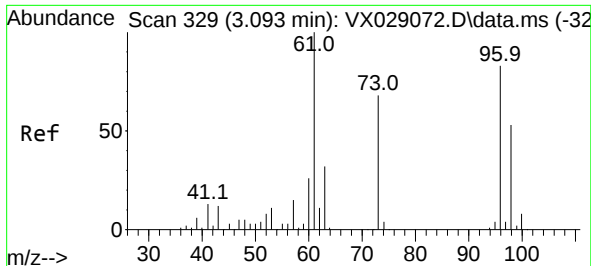
Tgt Ion: 43 Resp: 1525
Ion Ratio Lower Upper
43 100
58 33.0 28.8 43.2



#20
Methylene Chloride
Concen: 0.200 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX029095.D
Acq: 31 May 2022 23:32

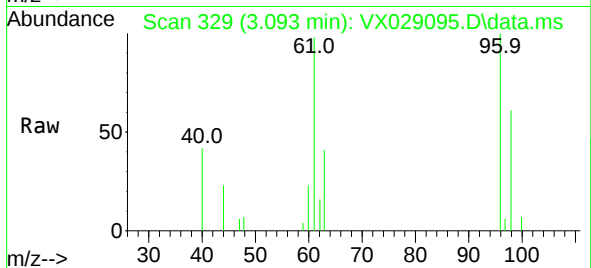
Tgt Ion: 84 Resp: 686
Ion Ratio Lower Upper
84 100
49 47.5 85.5 128.3#
51 17.1 26.6 39.8#
86 40.6 51.5 77.3#



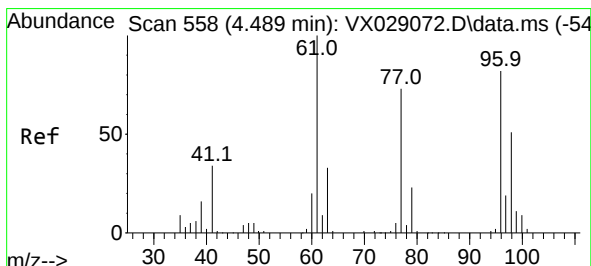
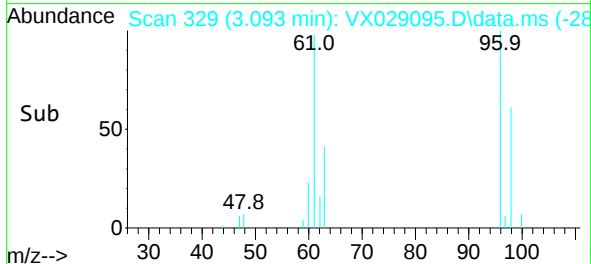
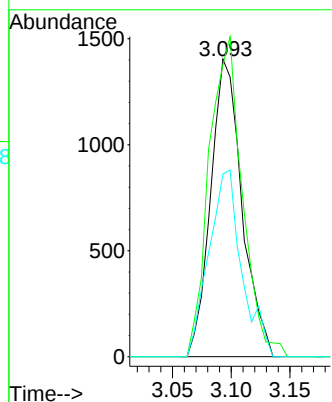


#21
trans-1,2-Dichloroethene
Concen: 0.773 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX029095.D
Acq: 31 May 2022 23:32

Instrument :
MSVOA_X
ClientSampleId :
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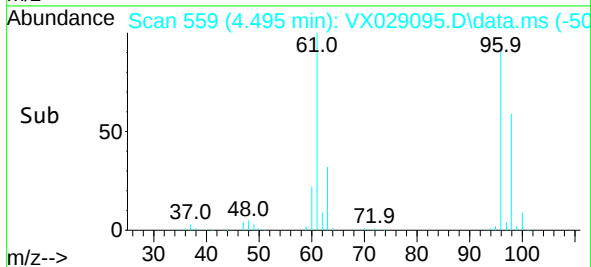
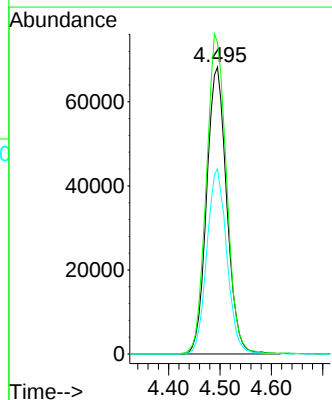
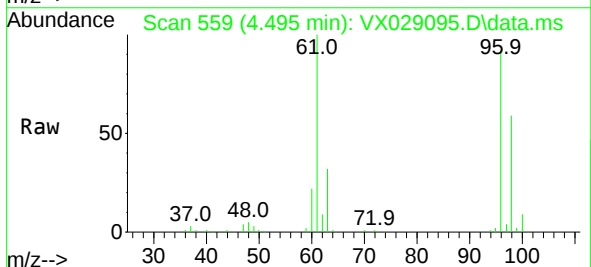


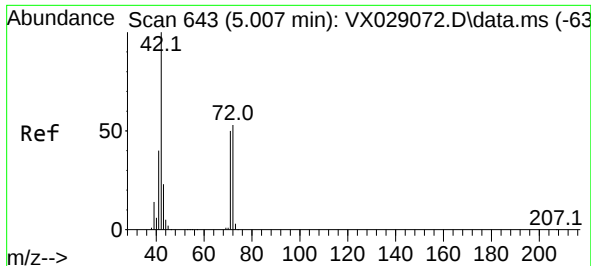
Tgt Ion: 96 Resp: 2601
Ion Ratio Lower Upper
96 100
61 98.1 105.4 158.2#
98 61.4 50.0 75.0



#27
cis-1,2-Dichloroethene
Concen: 46.173 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX029095.D
Acq: 31 May 2022 23:32

Tgt Ion: 96 Resp: 185213
Ion Ratio Lower Upper
96 100
61 112.0 0.0 283.8
98 64.0 0.0 129.8

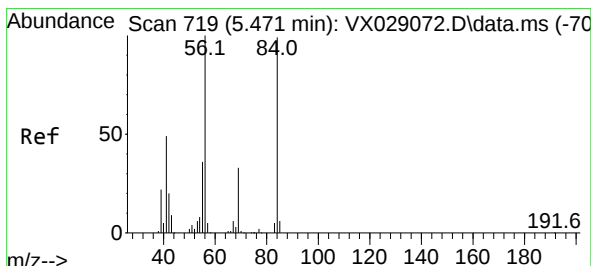
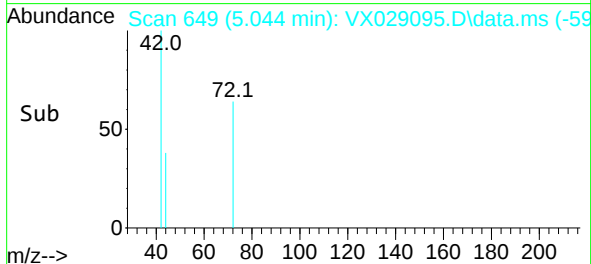
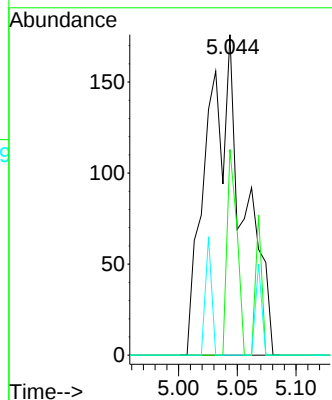
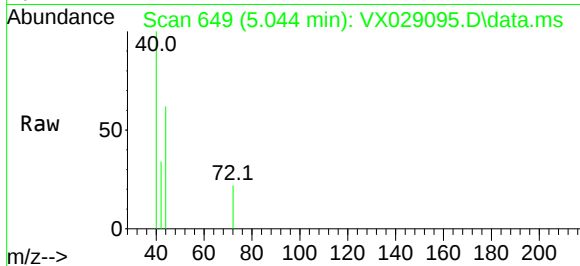




#29
Tetrahydrofuran
Concen: 0.252 ug/l
RT: 5.044 min Scan# 64
Delta R.T. 0.037 min
Lab File: VX029095.D
Acq: 31 May 2022 23:32

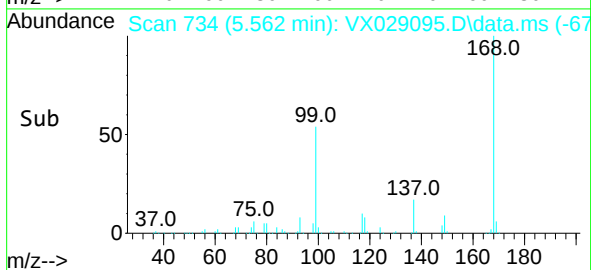
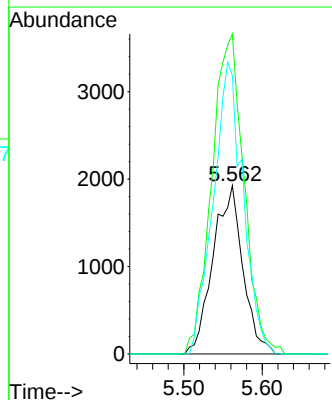
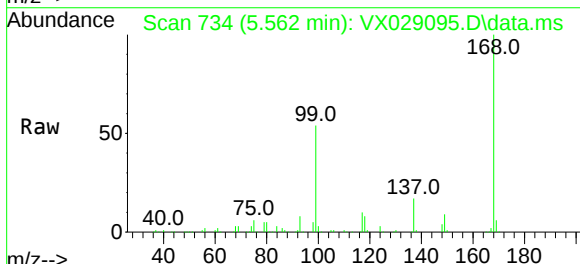
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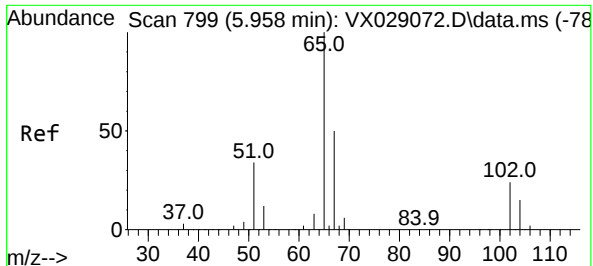
Tgt Ion: 42 Resp: 383
Ion Ratio Lower Upper
42 100
72 17.5 44.1 66.1#
71 6.3 40.5 60.7#



#31
Cyclohexane
Concen: 1.052 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.091 min
Lab File: VX029095.D
Acq: 31 May 2022 23:32

Tgt Ion: 56 Resp: 5102
Ion Ratio Lower Upper
56 100
69 190.0 26.7 40.1#
84 165.5 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 51.560 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX029095.D

Acq: 31 May 2022 23:32

Instrument :

MSVOA_X

ClientSampleId :

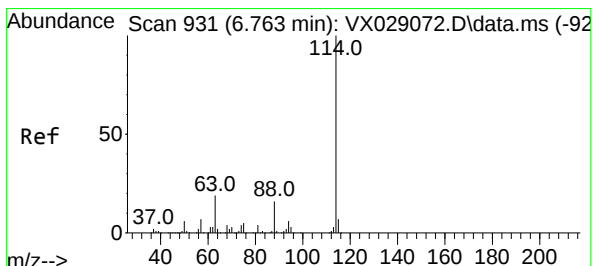
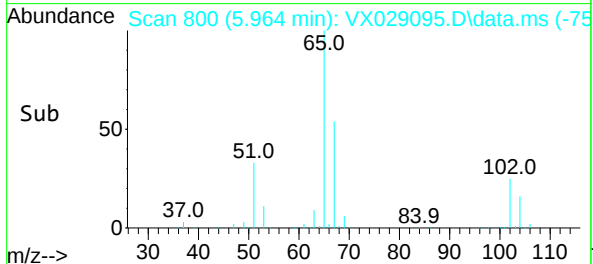
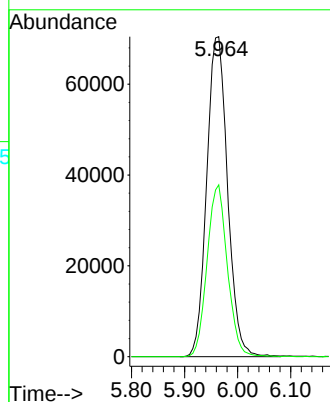
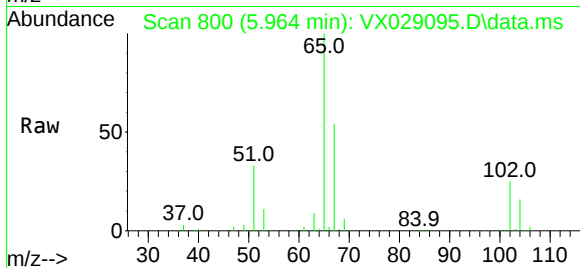
91BR-20220525

Tgt Ion: 65 Resp: 192325

Ion Ratio Lower Upper

65 100

67 52.2 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX029095.D

Acq: 31 May 2022 23:32

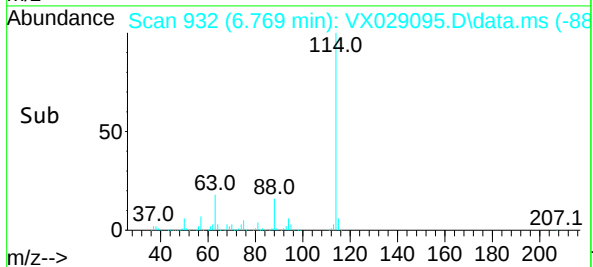
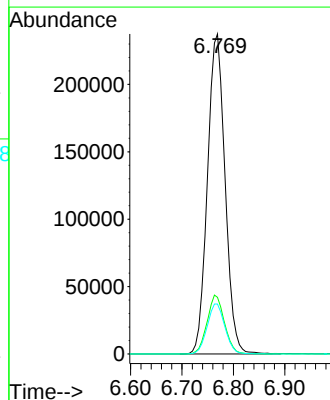
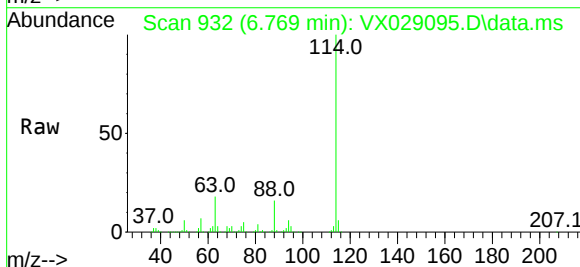
Tgt Ion: 114 Resp: 565318

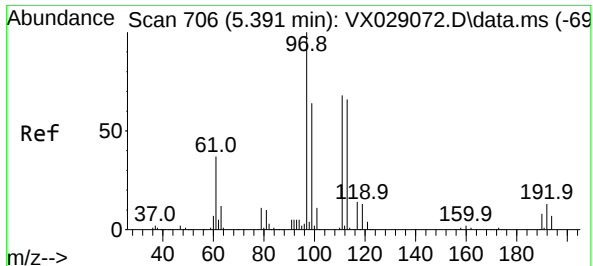
Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.8

88 15.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.312 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029095.D

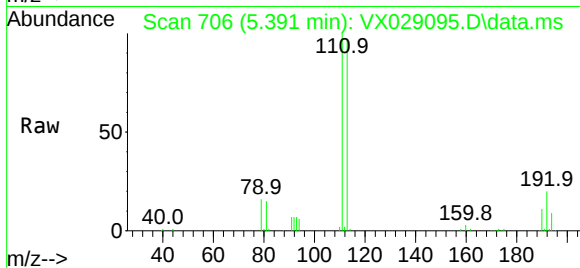
Acq: 31 May 2022 23:32

Instrument :

MSVOA_X

ClientSampleId :

91BR-20220525



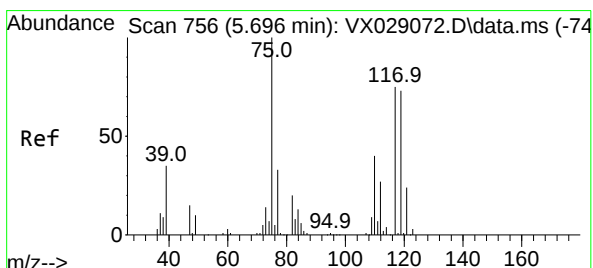
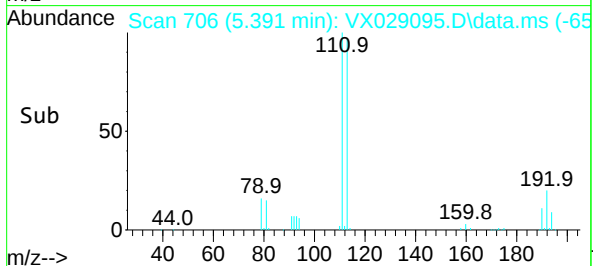
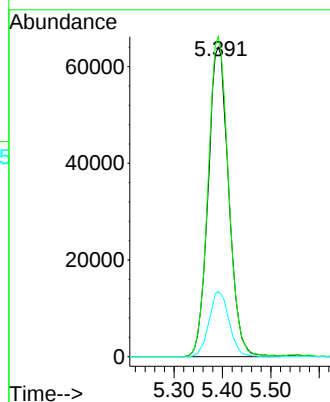
Tgt Ion:113 Resp: 188919

Ion Ratio Lower Upper

113 100

111 102.6 82.8 124.2

192 20.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.599 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029095.D

Acq: 31 May 2022 23:32

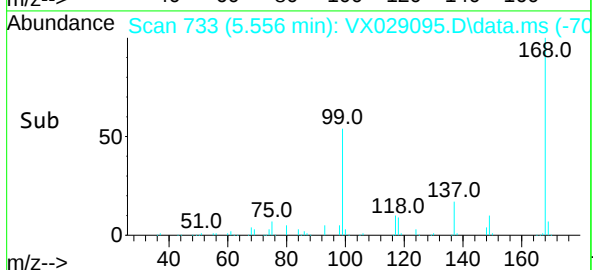
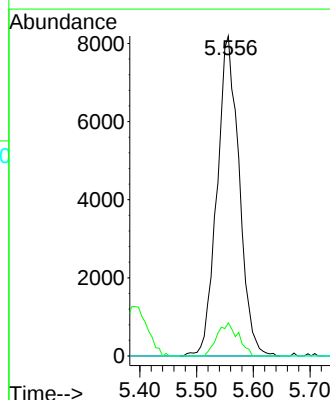
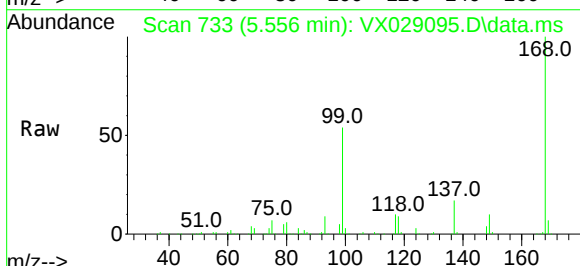
Tgt Ion: 75 Resp: 22220

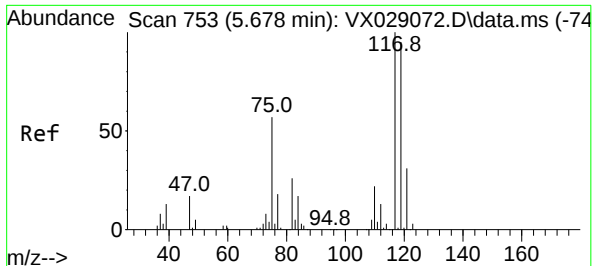
Ion Ratio Lower Upper

75 100

110 9.9 18.3 54.8#

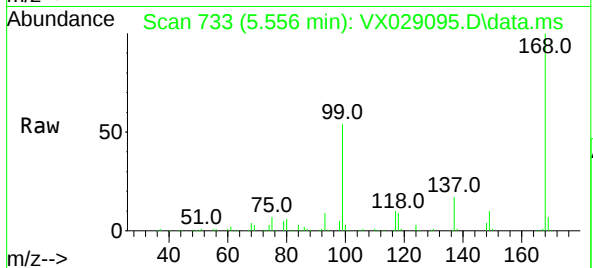
77 0.0 24.8 37.2#



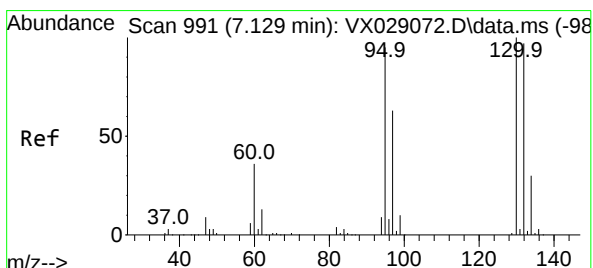
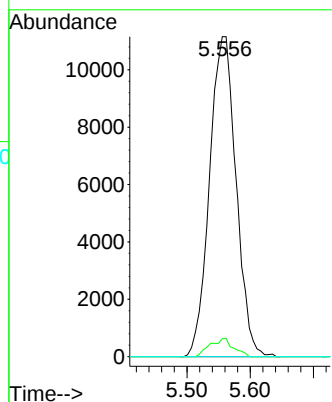
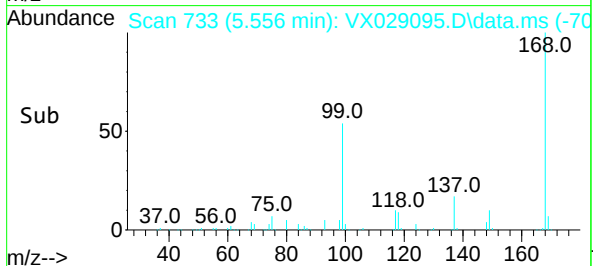


#38
Carbon Tetrachloride
Concen: 5.888 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX029095.D
Acq: 31 May 2022 23:32

Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525

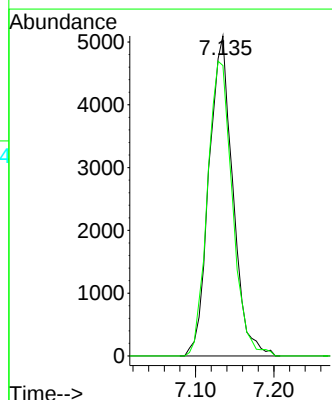
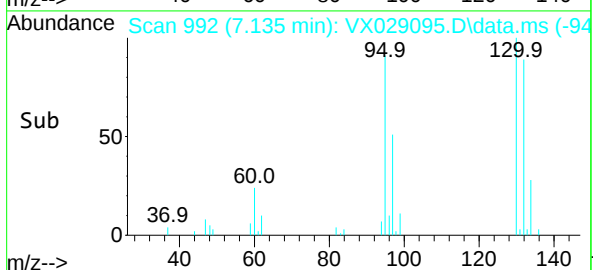
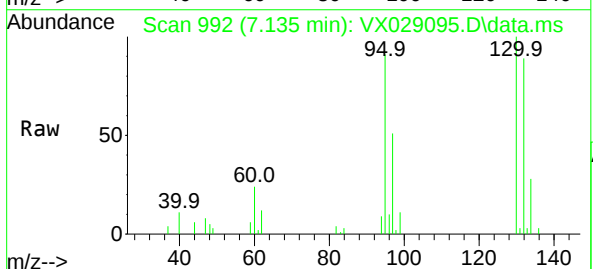


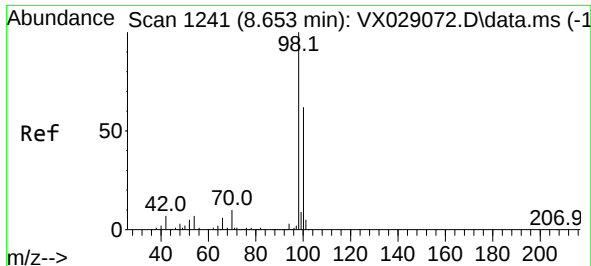
Tgt Ion:117 Resp: 32509
Ion Ratio Lower Upper
117 100
119 5.6 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 1.862 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX029095.D
Acq: 31 May 2022 23:32

Tgt Ion:130 Resp: 10767
Ion Ratio Lower Upper
130 100
95 90.7 0.0 188.8

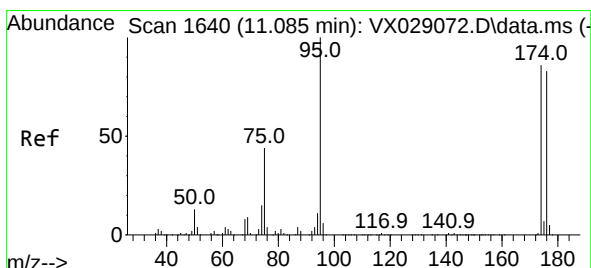
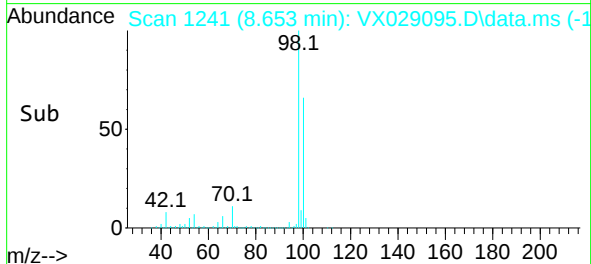
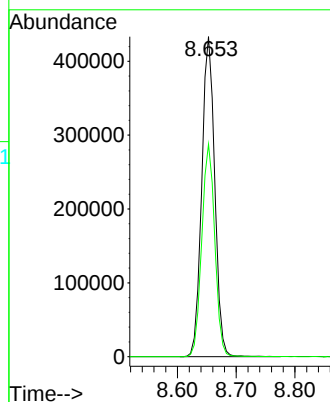
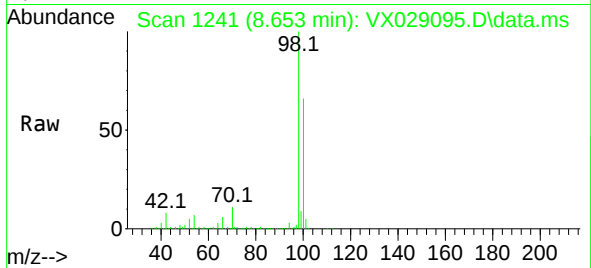




#50
Toluene-d8
Concen: 48.499 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029095.D
Acq: 31 May 2022 23:32

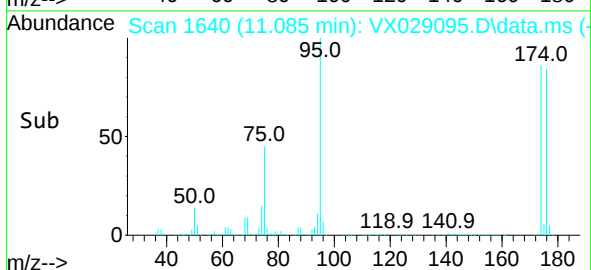
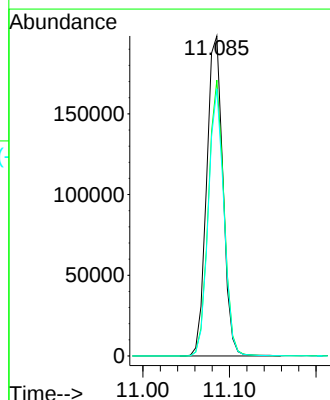
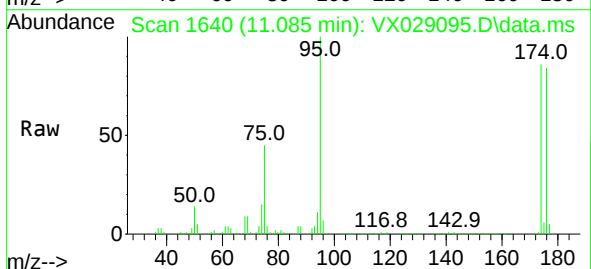
Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525

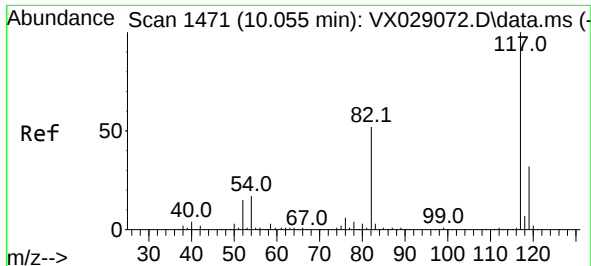
Tgt Ion: 98 Resp: 666067
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 48.739 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX029095.D
Acq: 31 May 2022 23:32

Tgt Ion: 95 Resp: 258743
Ion Ratio Lower Upper
95 100
174 82.8 0.0 163.0
176 79.8 0.0 155.0

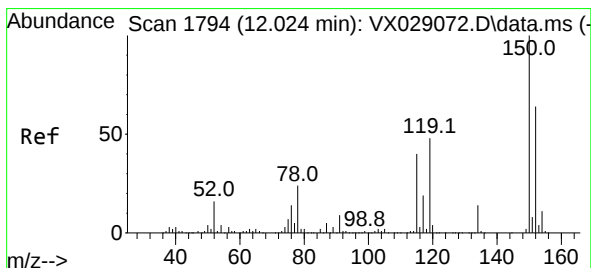
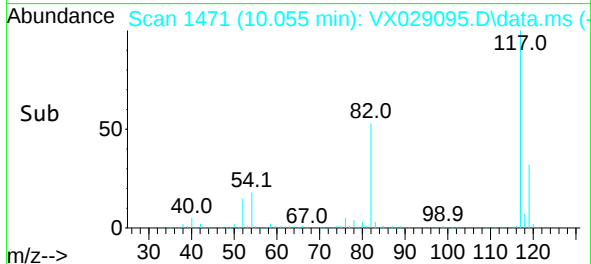
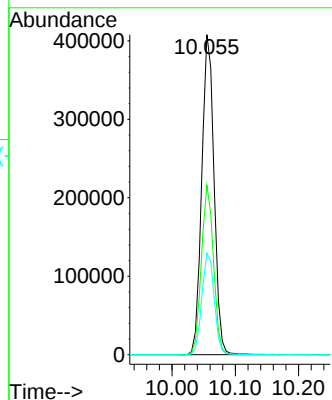
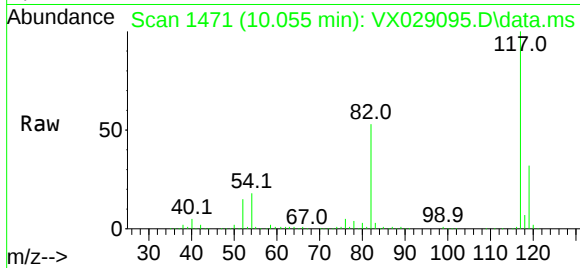




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029095.D
Acq: 31 May 2022 23:32

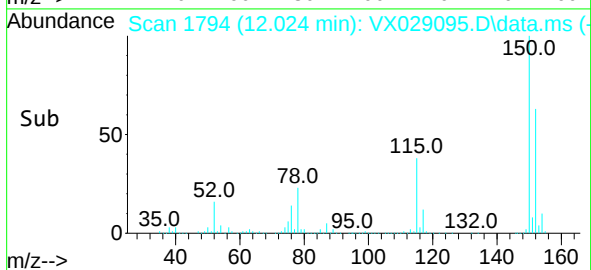
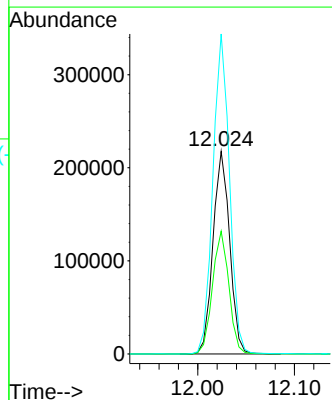
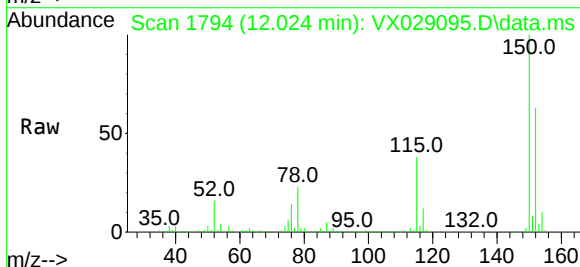
Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525

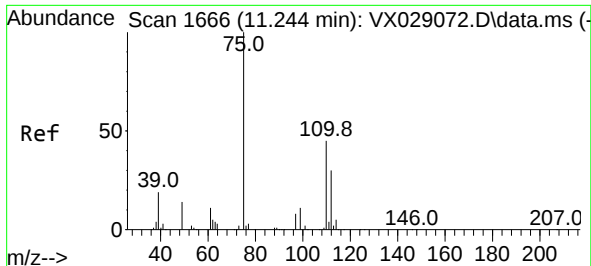
Tgt Ion:117 Resp: 552639
Ion Ratio Lower Upper
117 100
82 52.9 41.8 62.8
119 31.7 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029095.D
Acq: 31 May 2022 23:32

Tgt Ion:152 Resp: 260785
Ion Ratio Lower Upper
152 100
115 59.7 37.5 112.7
150 156.9 0.0 338.2

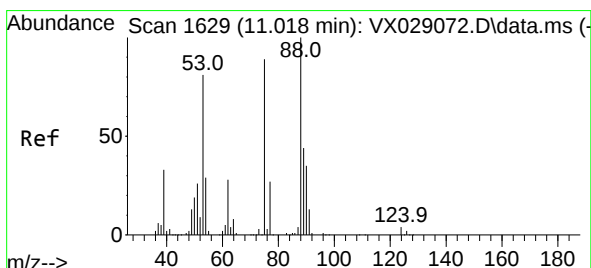
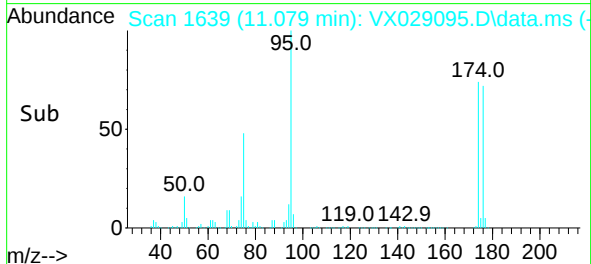
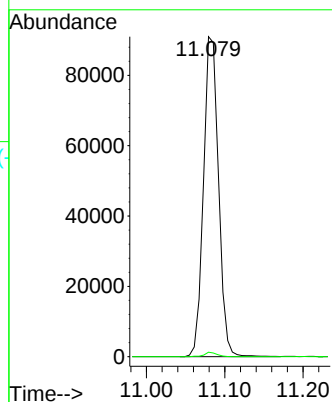
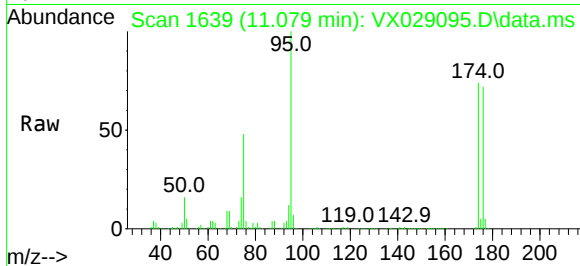




#76
1,2,3-Trichloropropane
Concen: 22.930 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029095.D
Acq: 31 May 2022 23:32

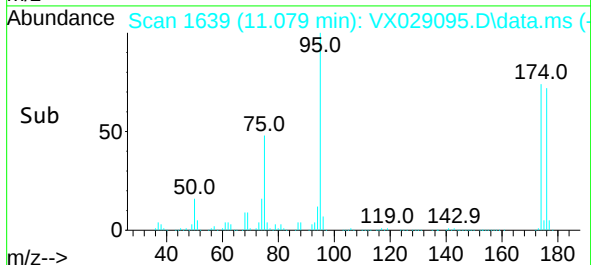
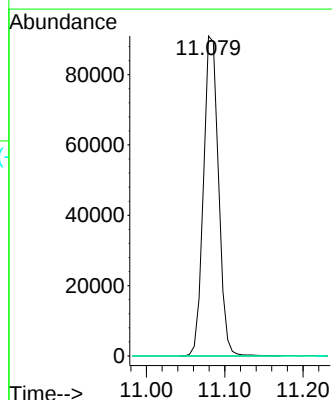
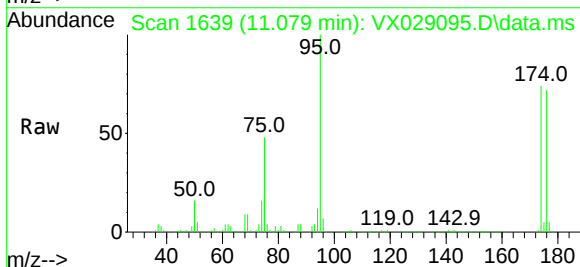
Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525

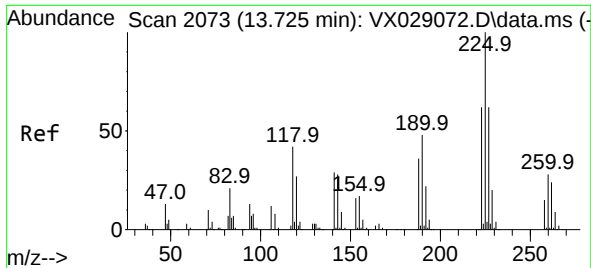
Tgt Ion: 75 Resp: 121219
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.271 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029095.D
Acq: 31 May 2022 23:32

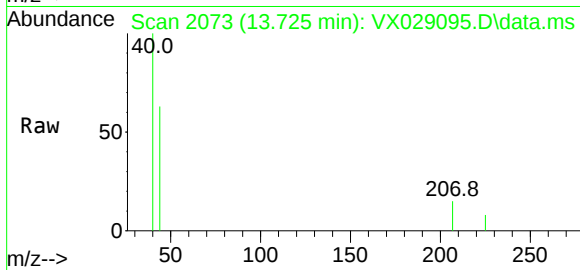
Tgt Ion: 75 Resp: 121219
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#





#94
Hexachlorobutadiene
Concen: Below Cal
RT: 13.725 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX029095.D
Acq: 31 May 2022 23:32

Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525



Tgt Ion:225 Resp: 19
Ion Ratio Lower Upper
225 100
223 0.0 34.2 102.5#
227 0.0 33.9 101.7#

