

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060322\
 Data File : VX029200.D
 Acq On : 03 Jun 2022 19:09
 Operator : JC/MD
 Sample : N3164-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 39BR-20220531

Quant Time: Jun 06 02:36:50 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)

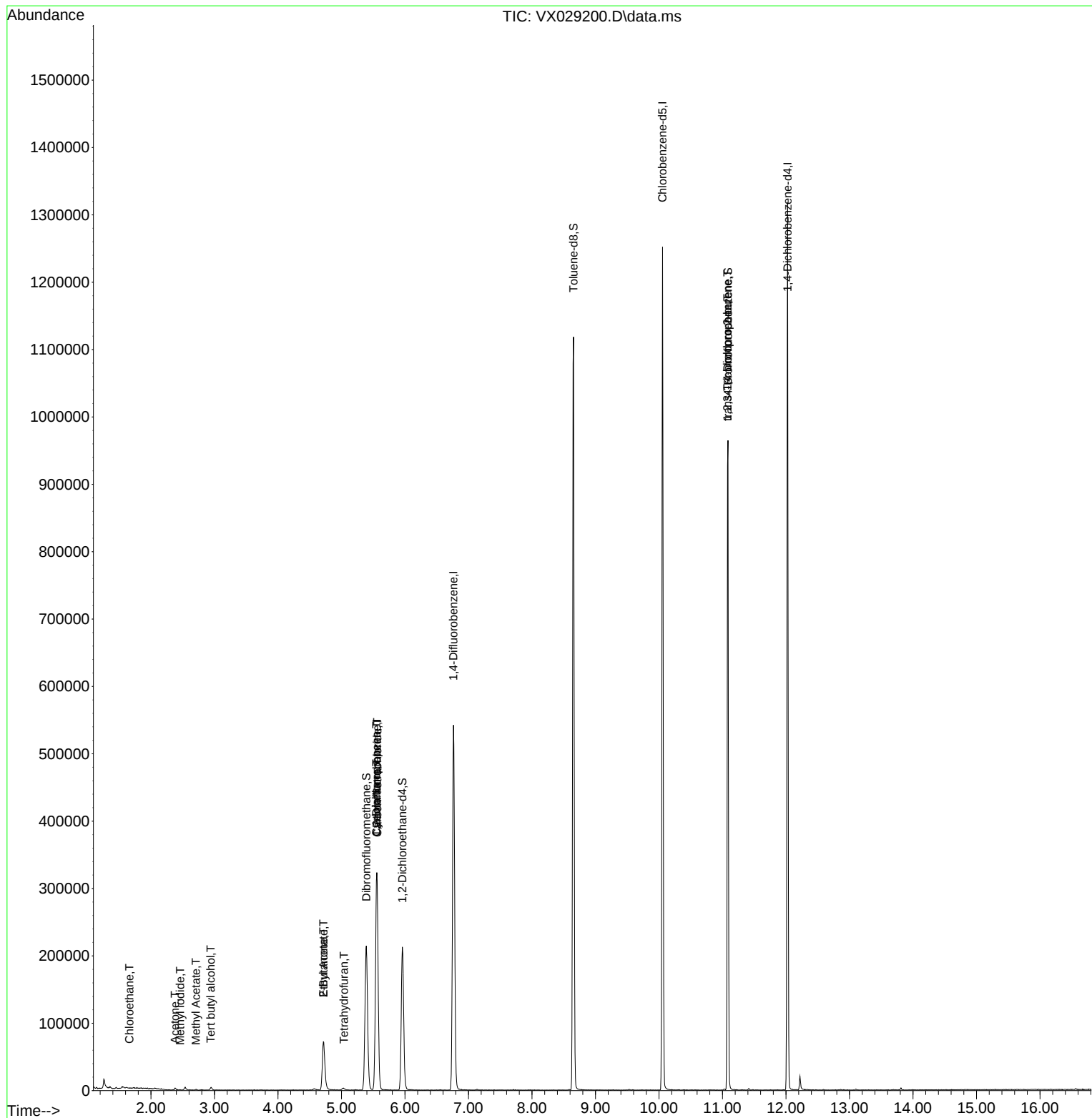
Internal Standards						
1) Pentafluorobenzene	5.556	168	310244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	574817	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	566593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	267845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	204920	58.575	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 117.140%	
35) Dibromofluoromethane	5.391	113	193808	50.761	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.520%	
50) Toluene-d8	8.653	98	684053	48.986	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 97.980%	
62) 4-Bromofluorobenzene	11.085	95	277417	51.393	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.780%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	708	Below Cal	#	79
6) Chloroethane	1.660	64	262	1.499	ug/l	90
10) Methyl Iodide	2.459	142	371	4.324	ug/l #	66
11) Tert butyl alcohol	2.941	59	2320	2.863	ug/l #	72
16) Acetone	2.380	43	3078	2.234	ug/l	94
18) Methyl Acetate	2.709	43	1149	0.322	ug/l	98
25) 2-Butanone	4.715	43	121504	54.677	ug/l #	44
29) Tetrahydrofuran	5.038	42	2499	1.754	ug/l	96
31) Cyclohexane	5.550	56	6116	1.345	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	23775	4.839	ug/l #	50
37) Ethyl Acetate	4.715	43	121812	25.584	ug/l	99
38) Carbon Tetrachloride	5.562	117	31462	5.604	ug/l #	16
44) Trichloroethene	7.135	130	442	Below Cal		81
76) 1,2,3-Trichloropropane	11.079	75	135933	25.035	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	135933	73.448	ug/l #	15

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

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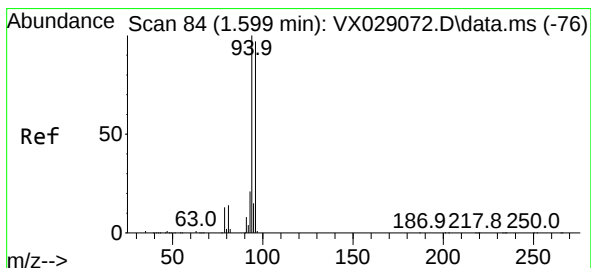
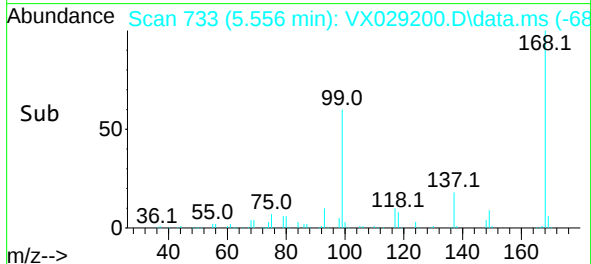
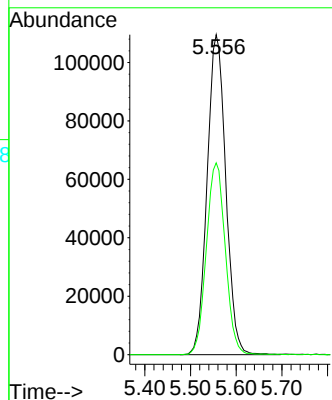
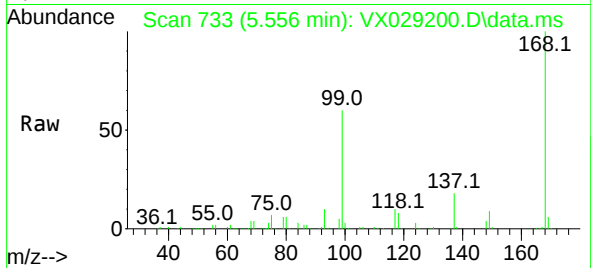




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029200.D
Acq: 03 Jun 2022 19:09

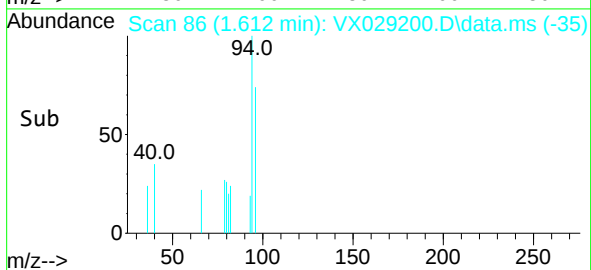
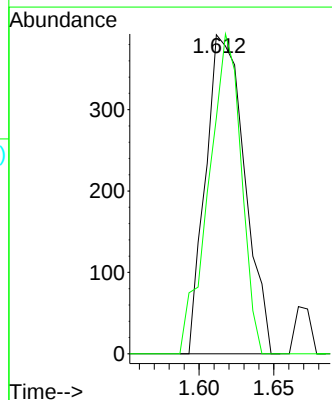
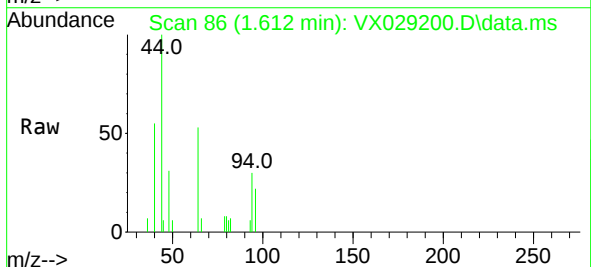
Instrument :
MSVOA_X
ClientSampleId :
39BR-20220531

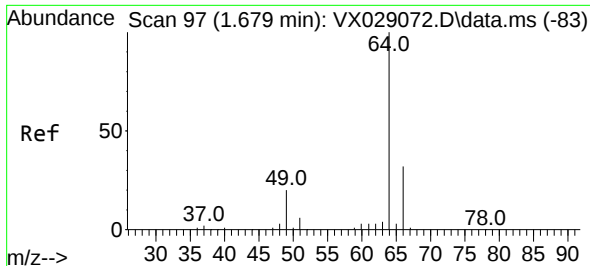
Tgt Ion:168 Resp: 310244
Ion Ratio Lower Upper
168 100
99 59.9 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX029200.D
Acq: 03 Jun 2022 19:09

Tgt Ion: 94 Resp: 708
Ion Ratio Lower Upper
94 100
96 74.0 75.3 112.9#

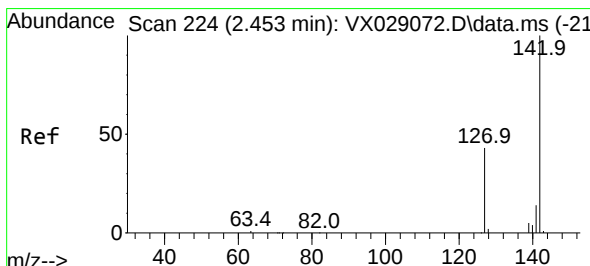
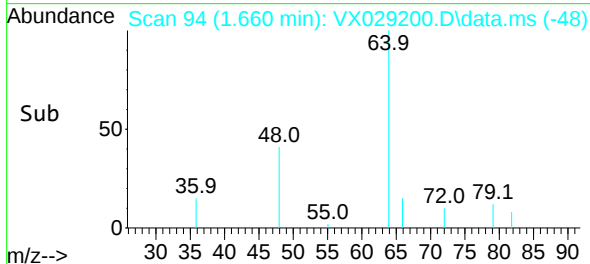
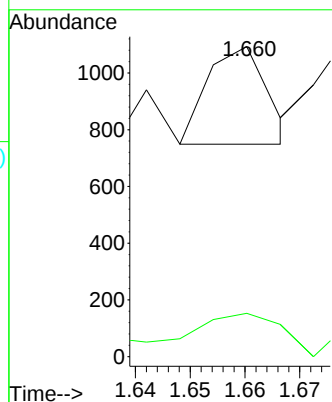
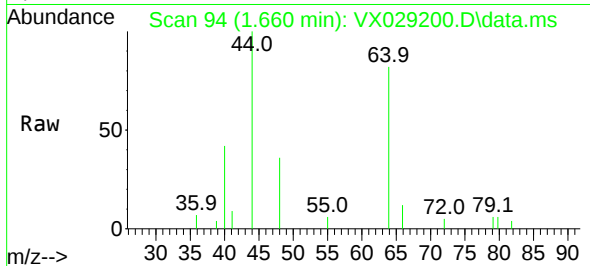




#6
Chloroethane
Concen: 1.499 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.019 min
Lab File: VX029200.D
Acq: 03 Jun 2022 19:09

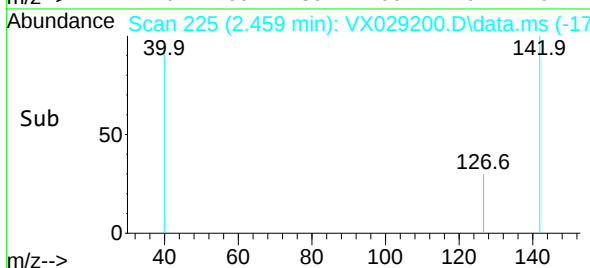
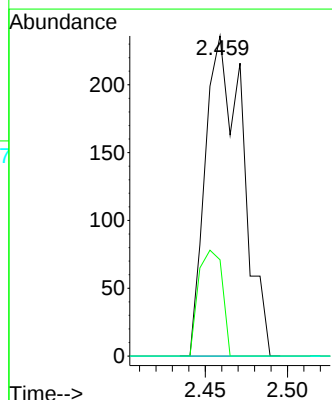
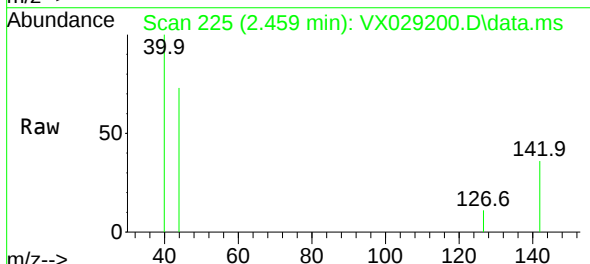
Instrument :
MSVOA_X
ClientSampleId :
39BR-20220531

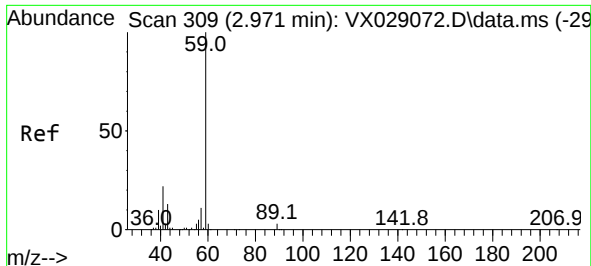
Tgt Ion: 64 Resp: 262
Ion Ratio Lower Upper
64 100
66 26.2 25.3 37.9



#10
Methyl Iodide
Concen: 4.324 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029200.D
Acq: 03 Jun 2022 19:09

Tgt Ion: 142 Resp: 371
Ion Ratio Lower Upper
142 100
127 21.0 33.9 50.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 2.863 ug/l

RT: 2.941 min Scan# 309

Delta R.T. -0.030 min

Lab File: VX029200.D

Acq: 03 Jun 2022 19:09

Instrument :

MSVOA_X

ClientSampleId :

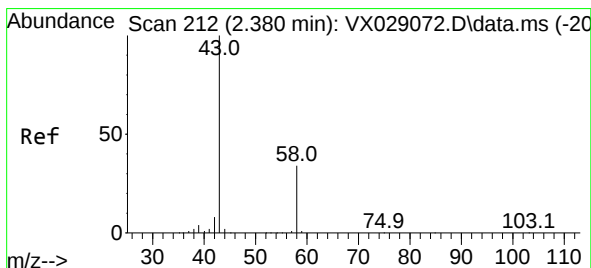
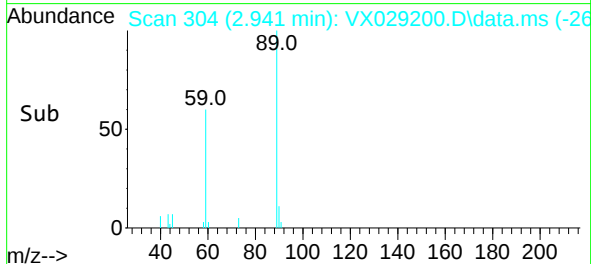
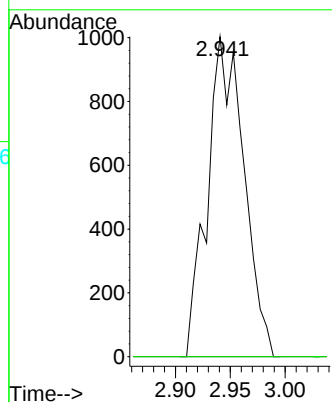
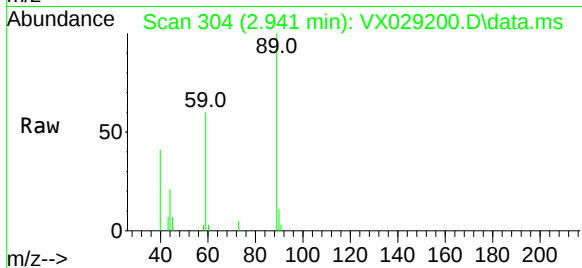
39BR-20220531

Tgt Ion: 59 Resp: 2320

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 2.234 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX029200.D

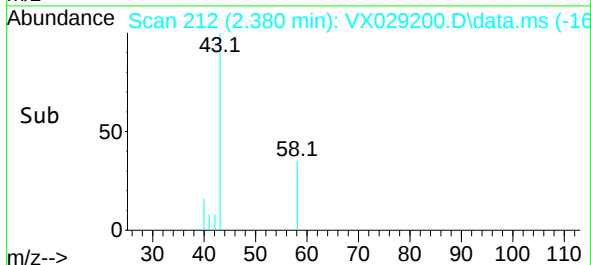
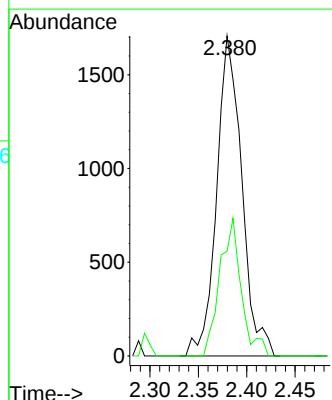
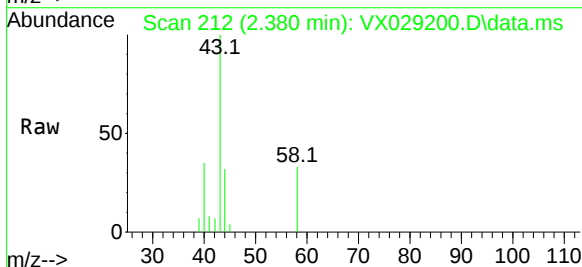
Acq: 03 Jun 2022 19:09

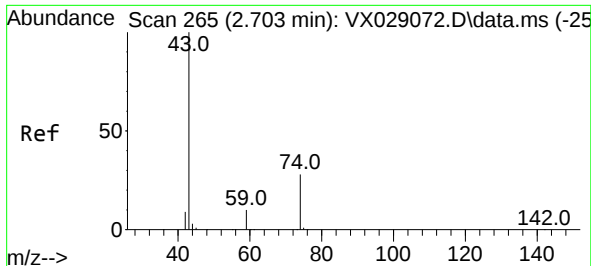
Tgt Ion: 43 Resp: 3078

Ion Ratio Lower Upper

43 100

58 32.7 28.8 43.2

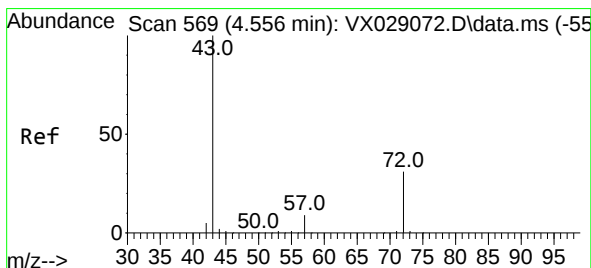
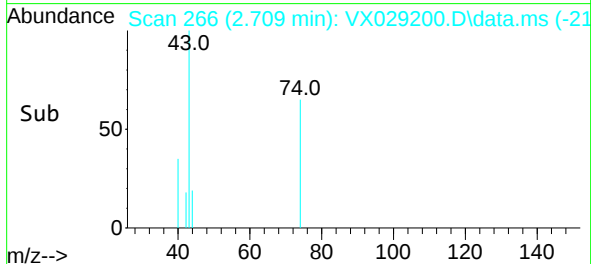
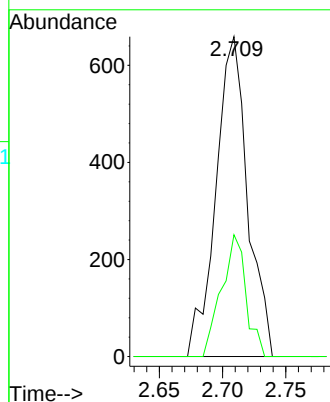
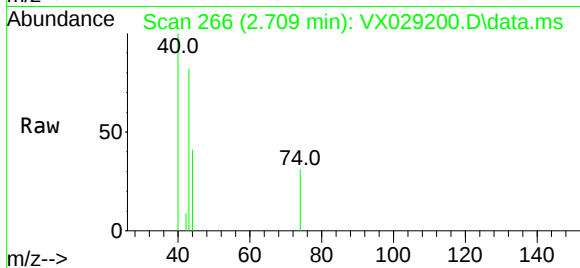




#18
Methyl Acetate
Concen: 0.322 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029200.D
Acq: 03 Jun 2022 19:09

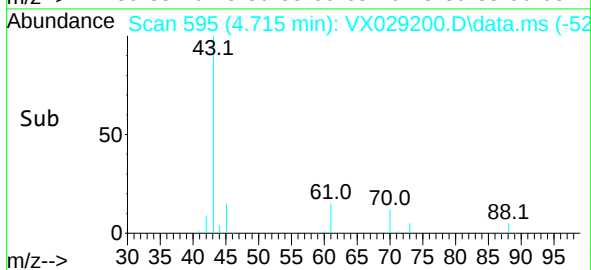
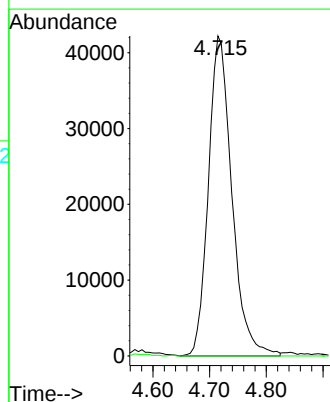
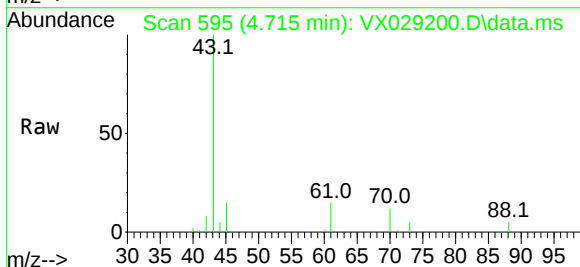
Instrument :
MSVOA_X
ClientSampleId :
39BR-20220531

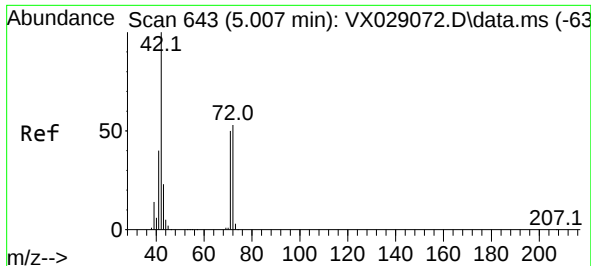
Tgt Ion: 43 Resp: 1149
Ion Ratio Lower Upper
43 100
74 29.4 22.8 34.2



#25
2-Butanone
Concen: 54.677 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.159 min
Lab File: VX029200.D
Acq: 03 Jun 2022 19:09

Tgt Ion: 43 Resp: 121504
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#





#29

Tetrahydrofuran

Concen: 1.754 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX029200.D

Acq: 03 Jun 2022 19:09

Instrument :

MSVOA_X

ClientSampleId :

39BR-20220531

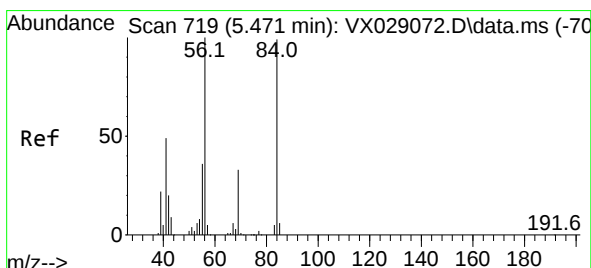
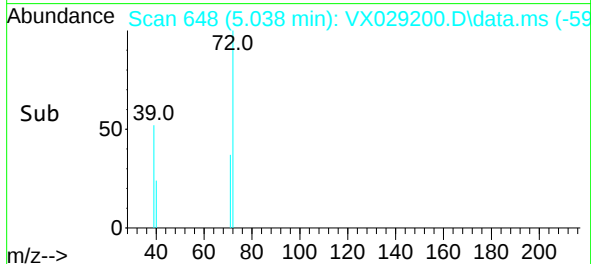
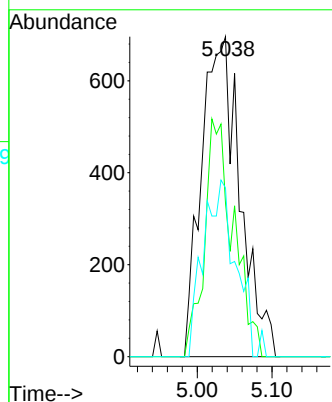
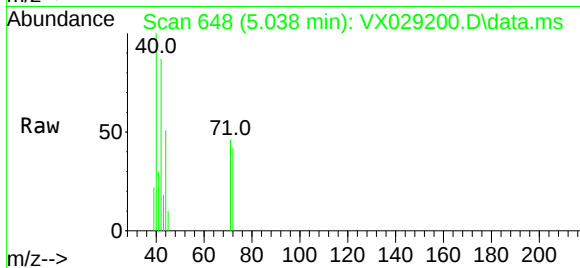
Tgt Ion: 42 Resp: 2499

Ion Ratio Lower Upper

42 100

72 55.8 44.1 66.1

71 45.8 40.5 60.7



#31

Cyclohexane

Concen: 1.345 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX029200.D

Acq: 03 Jun 2022 19:09

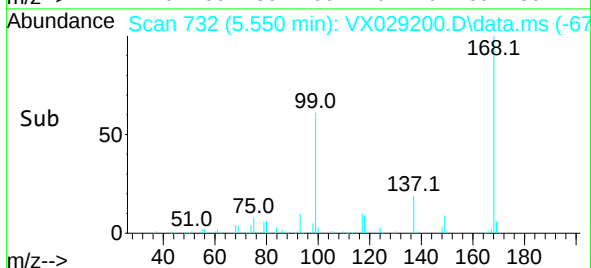
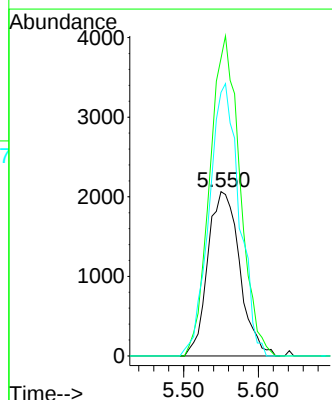
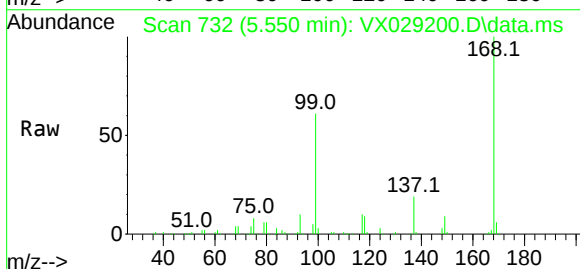
Tgt Ion: 56 Resp: 6116

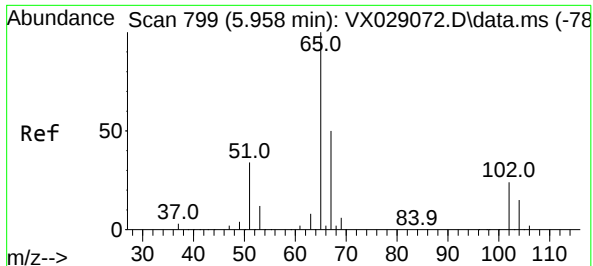
Ion Ratio Lower Upper

56 100

69 181.1 26.7 40.1#

84 160.3 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 58.575 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029200.D

Acq: 03 Jun 2022 19:09

Instrument :

MSVOA_X

ClientSampleId :

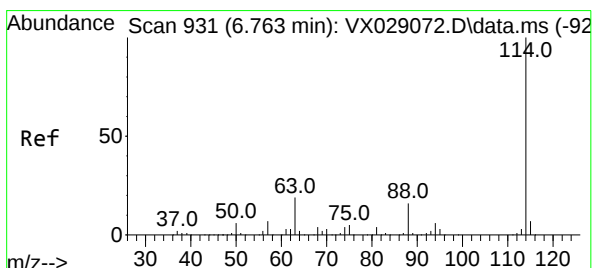
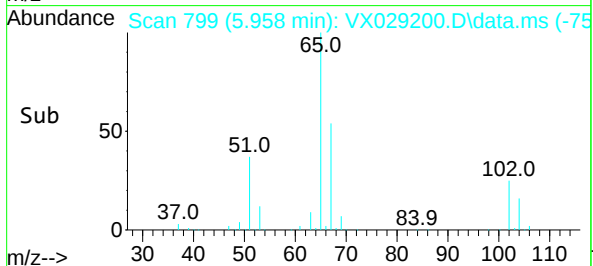
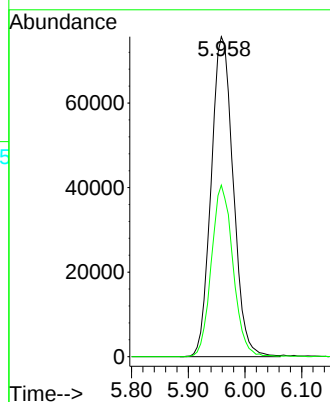
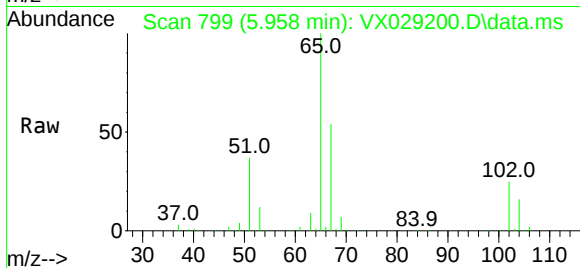
39BR-20220531

Tgt Ion: 65 Resp: 204920

Ion Ratio Lower Upper

65 100

67 52.4 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: VX029200.D

Acq: 03 Jun 2022 19:09

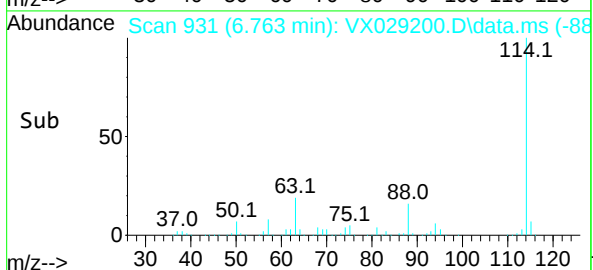
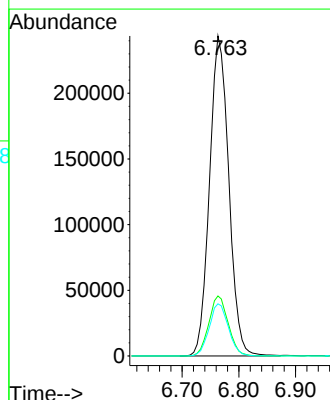
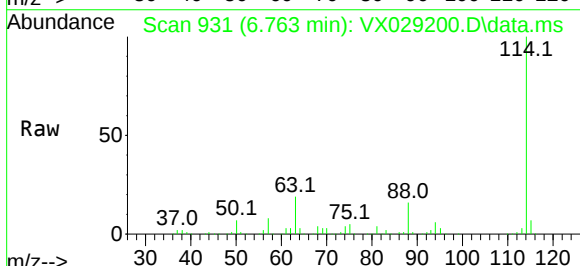
Tgt Ion: 114 Resp: 574817

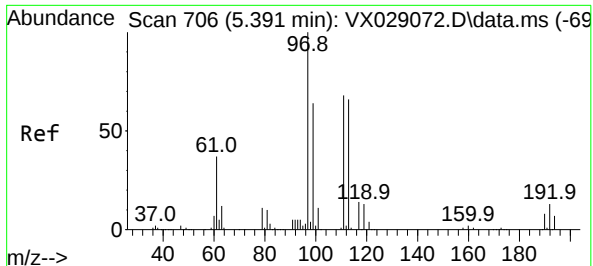
Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.8

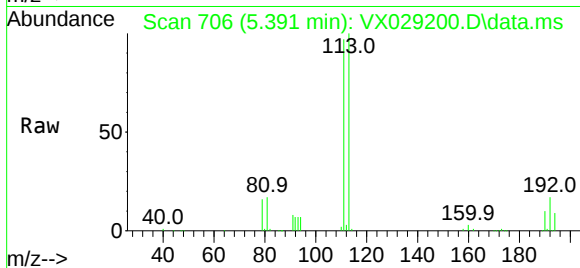
88 16.3 0.0 32.4



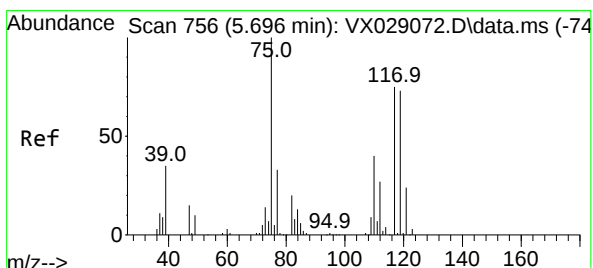
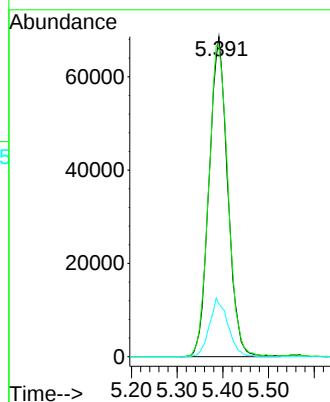
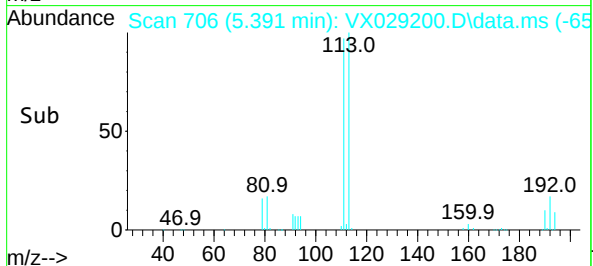


#35
Dibromofluoromethane
Concen: 50.761 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029200.D
Acq: 03 Jun 2022 19:09

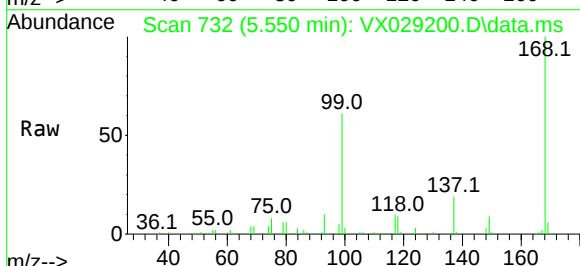
Instrument :
MSVOA_X
ClientSampleId :
39BR-20220531



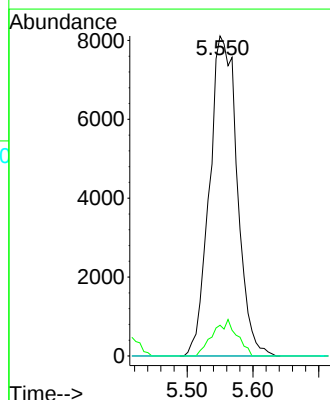
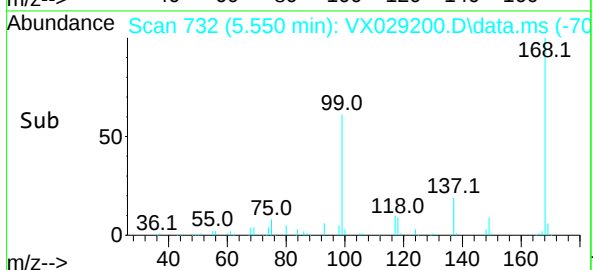
Tgt Ion:113 Resp: 193808
Ion Ratio Lower Upper
113 100
111 101.2 82.8 124.2
192 18.1 16.9 25.3

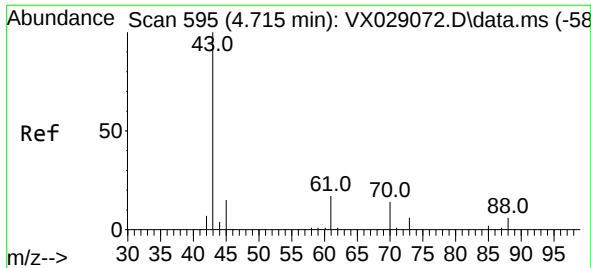


#36
1,1-Dichloropropene
Concen: 4.839 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX029200.D
Acq: 03 Jun 2022 19:09



Tgt Ion: 75 Resp: 23775
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.0 24.8 37.2#

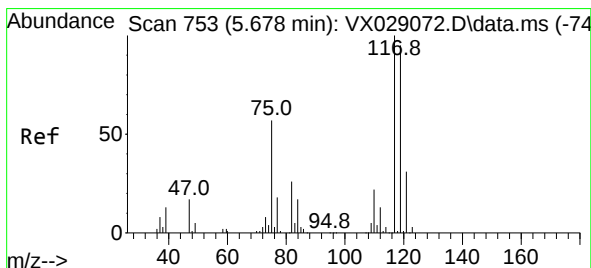
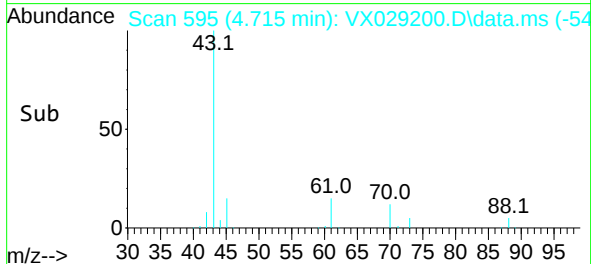
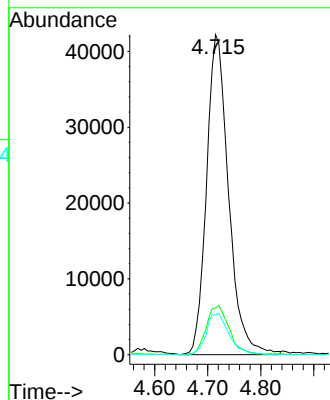
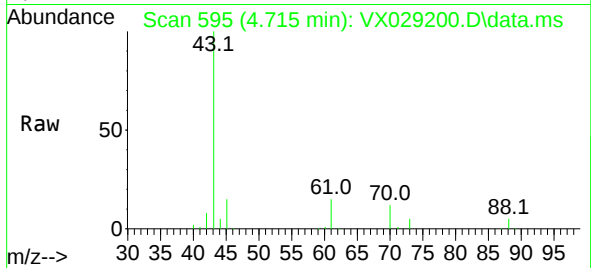




#37
Ethyl Acetate
Concen: 25.584 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX029200.D
Acq: 03 Jun 2022 19:09

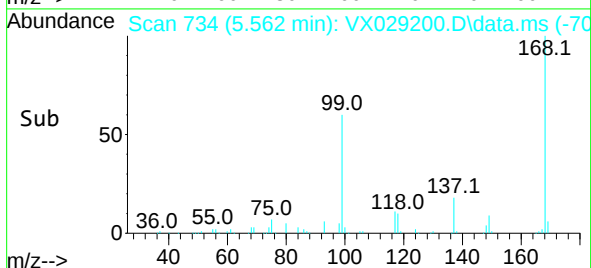
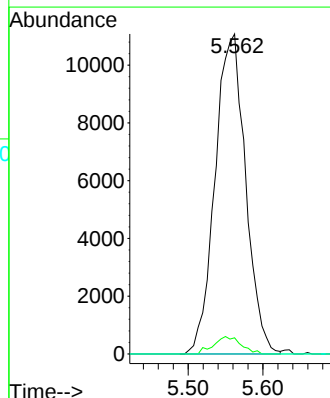
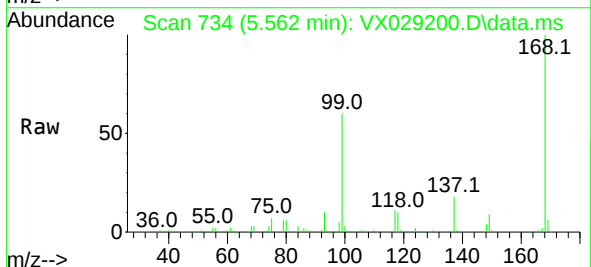
Instrument :
MSVOA_X
ClientSampleId :
39BR-20220531

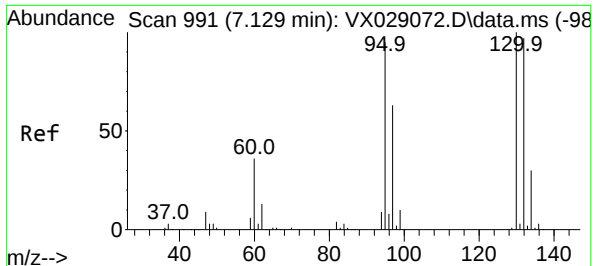
Tgt Ion: 43 Resp: 121812
Ion Ratio Lower Upper
43 100
61 16.0 12.6 19.0
70 13.2 10.2 15.2



#38
Carbon Tetrachloride
Concen: 5.604 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.116 min
Lab File: VX029200.D
Acq: 03 Jun 2022 19:09

Tgt Ion: 117 Resp: 31462
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 24.2 36.2#

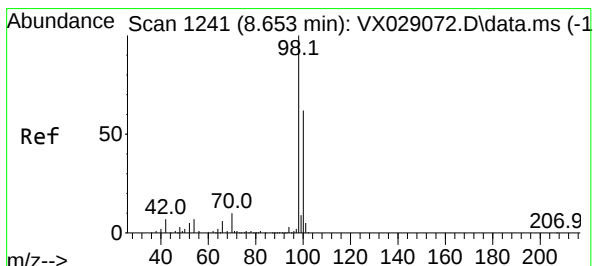
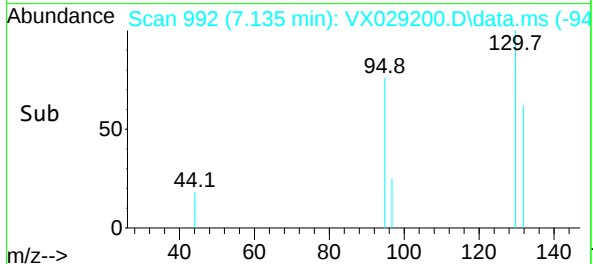
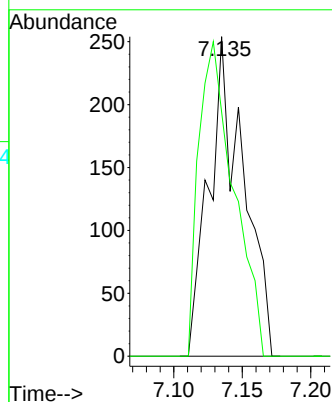
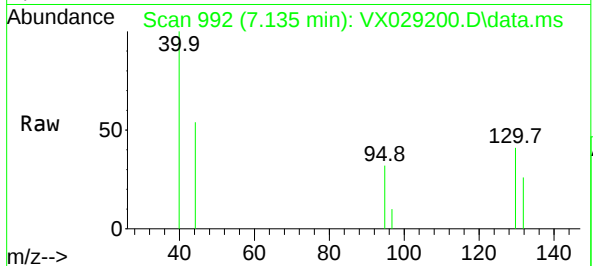




#44
Trichloroethene
Concen: Below Cal
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX029200.D
Acq: 03 Jun 2022 19:09

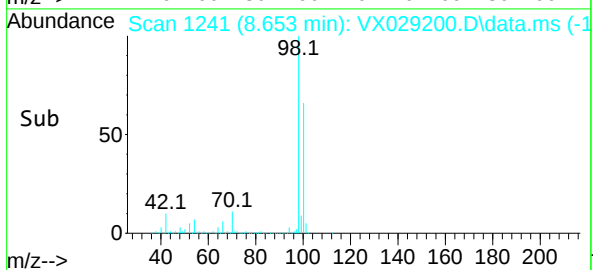
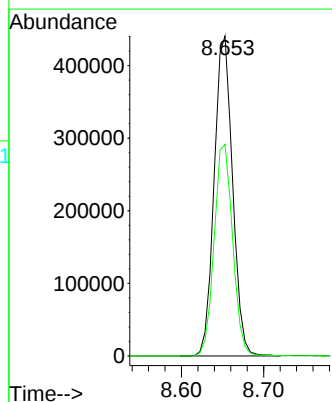
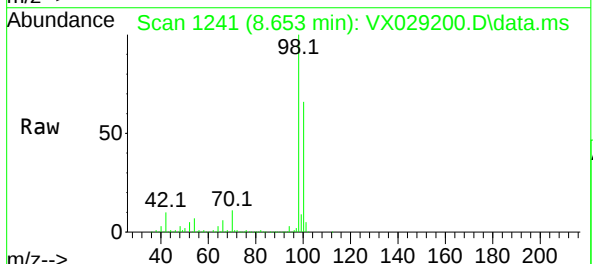
Instrument :
MSVOA_X
ClientSampleId :
39BR-20220531

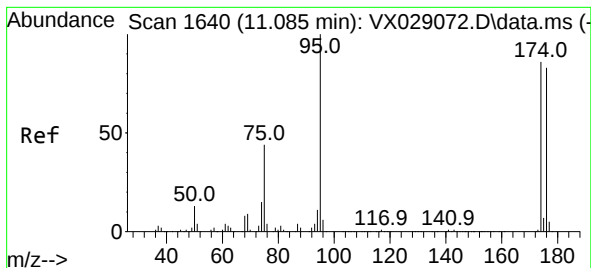
Tgt Ion:130 Resp: 442
Ion Ratio Lower Upper
130 100
95 76.4 0.0 188.8



#50
Toluene-d8
Concen: 48.986 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029200.D
Acq: 03 Jun 2022 19:09

Tgt Ion: 98 Resp: 684053
Ion Ratio Lower Upper
98 100
100 66.8 52.6 78.8

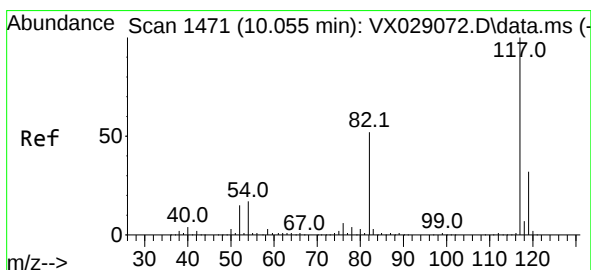
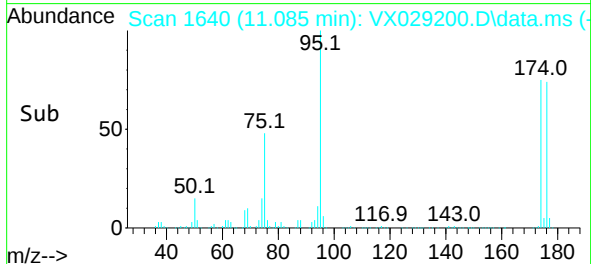
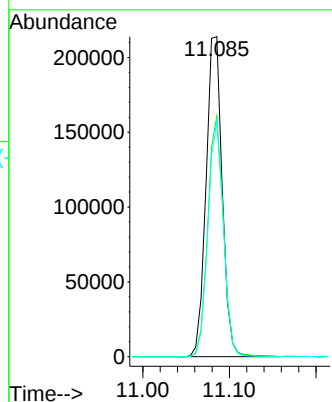
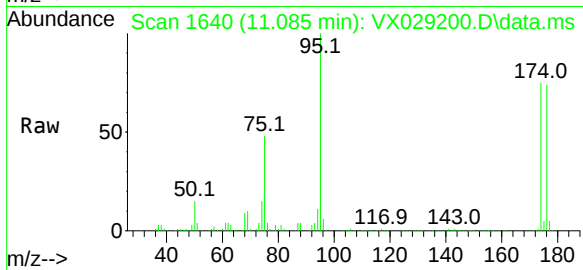




#62
4-Bromofluorobenzene
Concen: 51.393 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX029200.D
Acq: 03 Jun 2022 19:09

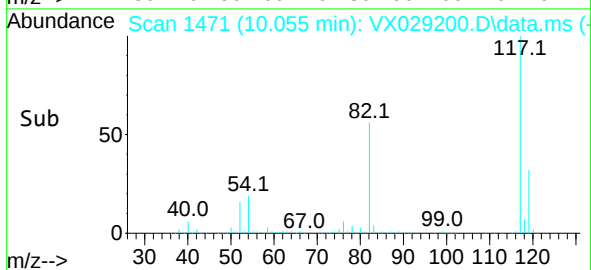
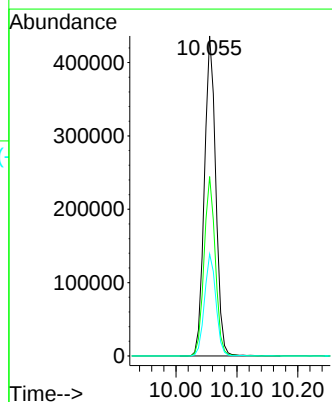
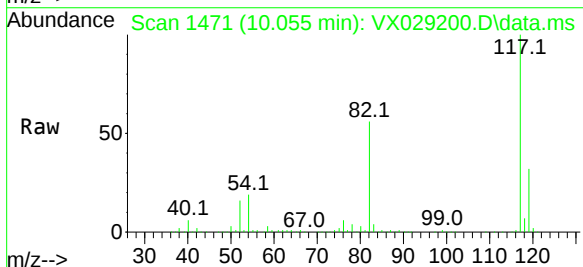
Instrument :
MSVOA_X
ClientSampleId :
39BR-20220531

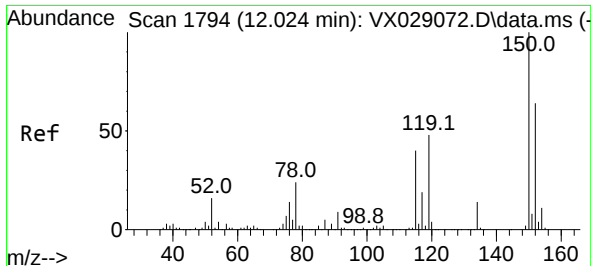
Tgt Ion: 95 Resp: 277417
Ion Ratio Lower Upper
95 100
174 72.9 0.0 163.0
176 70.1 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029200.D
Acq: 03 Jun 2022 19:09

Tgt Ion: 117 Resp: 566593
Ion Ratio Lower Upper
117 100
82 56.0 41.8 62.8
119 31.8 24.8 37.2

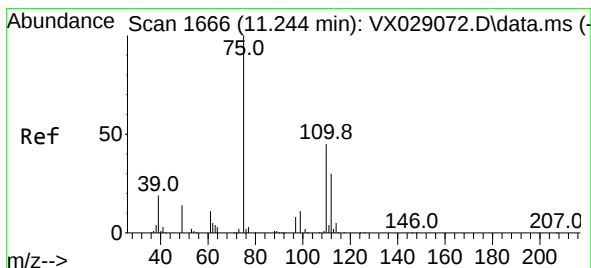
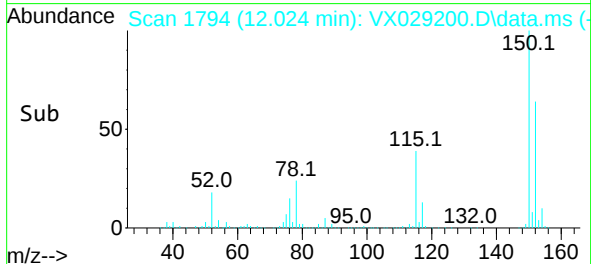
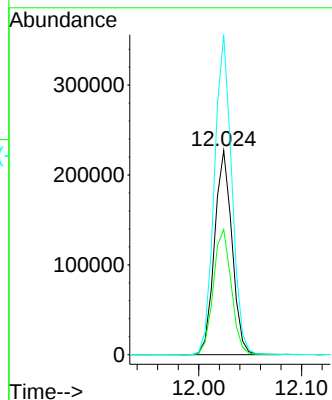
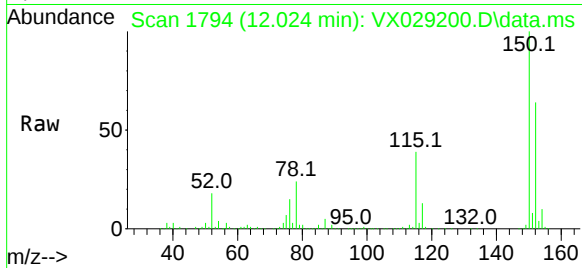




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029200.D
Acq: 03 Jun 2022 19:09

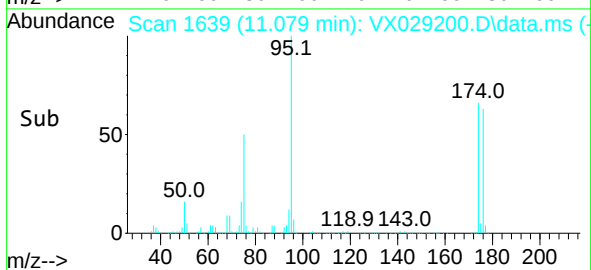
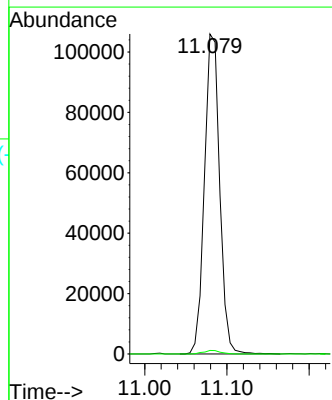
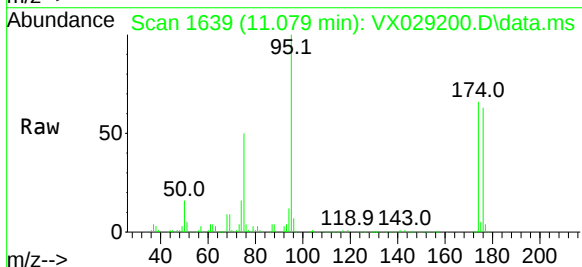
Instrument :
MSVOA_X
ClientSampleId :
39BR-20220531

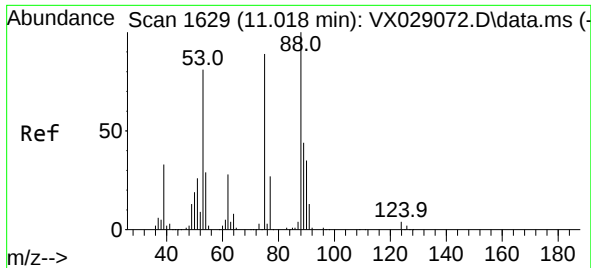
Tgt Ion:152 Resp: 267845
Ion Ratio Lower Upper
152 100
115 63.0 37.5 112.7
150 156.3 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 25.035 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029200.D
Acq: 03 Jun 2022 19:09

Tgt Ion: 75 Resp: 135933
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.448 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029200.D
 Acq: 03 Jun 2022 19:09

Instrument :
 MSVOA_X
 ClientSampleId :
 39BR-20220531

Tgt Ion: 75 Resp: 135933
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

