

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060322\
 Data File : VX029223.D
 Acq On : 04 Jun 2022 04:26
 Operator : JC/MD
 Sample : N3165-19 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 43BR-20220601

Quant Time: Jun 06 02:40:51 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)

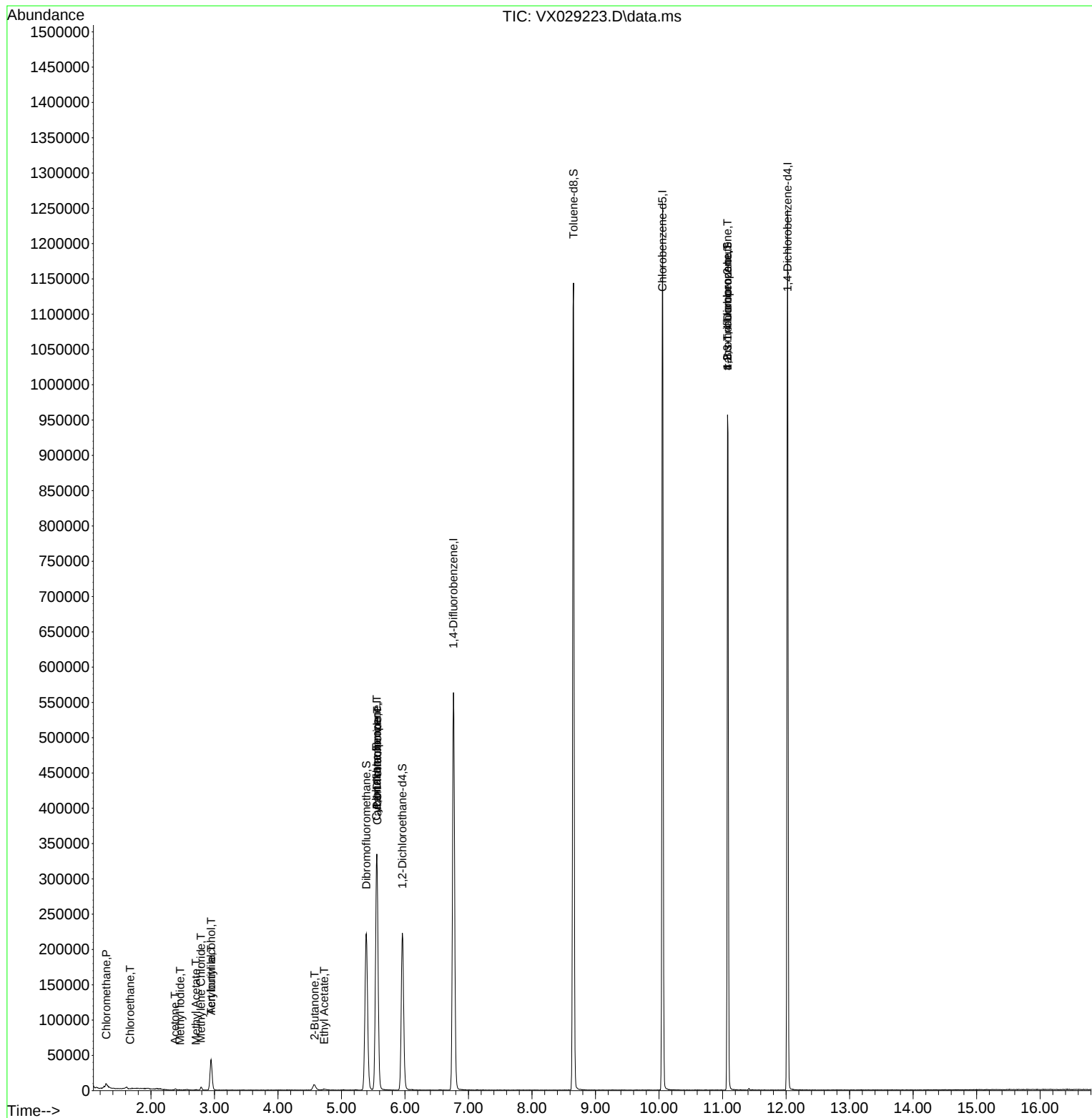
Internal Standards						
1) Pentafluorobenzene	5.556	168	311963	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	595478	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	576037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	254025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	216052	61.416	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	122.840%
35) Dibromofluoromethane	5.391	113	199019	50.317	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.640%
50) Toluene-d8	8.653	98	704442	48.696	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.400%
62) 4-Bromofluorobenzene	11.079	95	276830	49.505	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.020%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	640	0.225	ug/l	91
5) Bromomethane	1.618	94	644	Below Cal	#	57
6) Chloroethane	1.672	64	418	1.553	ug/l	# 43
10) Methyl Iodide	2.459	142	406	4.333	ug/l	# 73
11) Tert butyl alcohol	2.947	59	24842	30.484	ug/l	# 74
15) Acrylonitrile	2.947	53	491	0.293	ug/l	# 18
16) Acetone	2.380	43	1777	1.283	ug/l	92
18) Methyl Acetate	2.709	43	793	0.221	ug/l	# 87
20) Methylene Chloride	2.788	84	1941	0.601	ug/l	# 88
25) 2-Butanone	4.574	43	611	0.273	ug/l	# 44
31) Cyclohexane	5.550	56	6395	1.398	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	24218	4.759	ug/l	# 49
37) Ethyl Acetate	4.727	43	2622	0.532	ug/l	# 74
38) Carbon Tetrachloride	5.562	117	33185	5.706	ug/l	# 15
44) Trichloroethene	7.135	130	219	Below Cal		54
76) 1,2,3-Trichloropropane	11.079	75	133844	25.992	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	133844	76.254	ug/l	# 15

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

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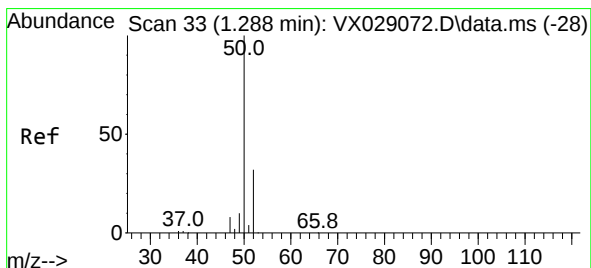
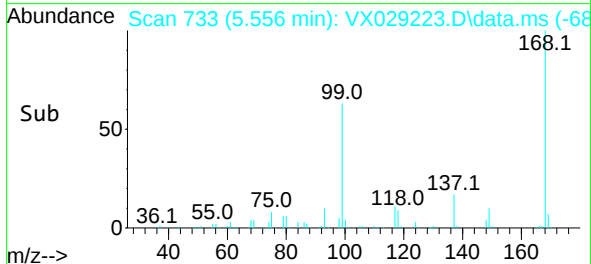
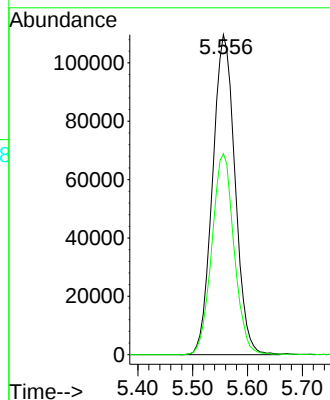
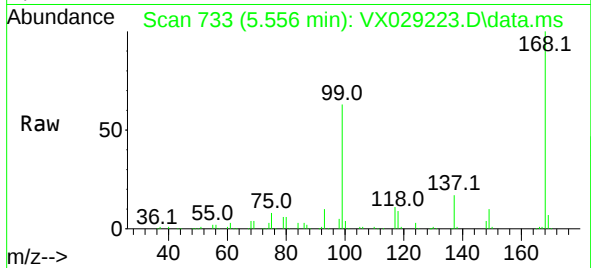




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029223.D
Acq: 04 Jun 2022 04:26

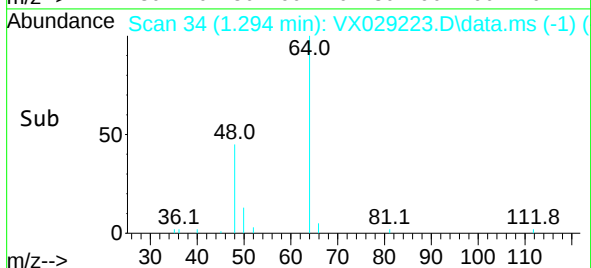
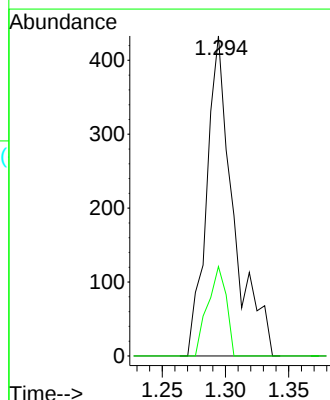
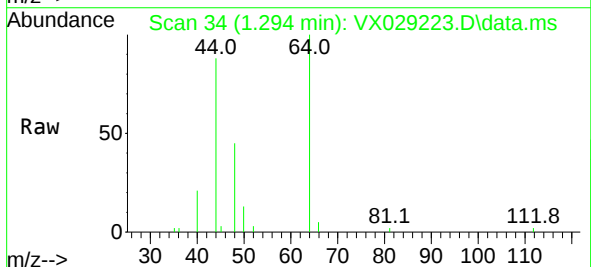
Instrument :
MSVOA_X
ClientSampleId :
43BR-20220601

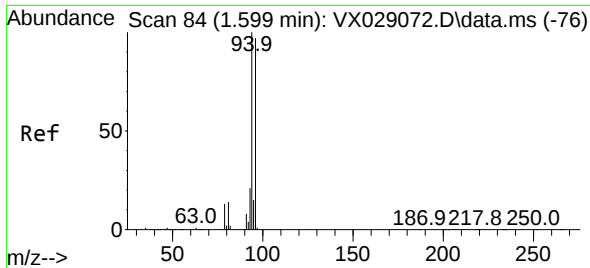
Tgt Ion:168 Resp: 311963
Ion Ratio Lower Upper
168 100
99 62.8 41.7 62.5#



#3
Chloromethane
Concen: 0.225 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029223.D
Acq: 04 Jun 2022 04:26

Tgt Ion: 50 Resp: 640
Ion Ratio Lower Upper
50 100
52 27.9 26.4 39.6

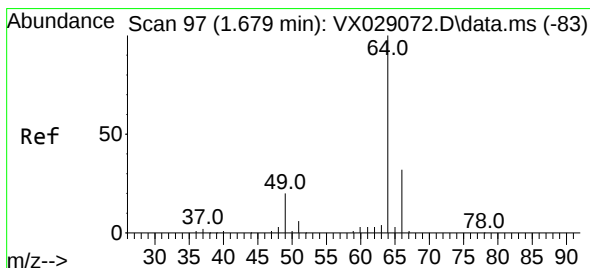
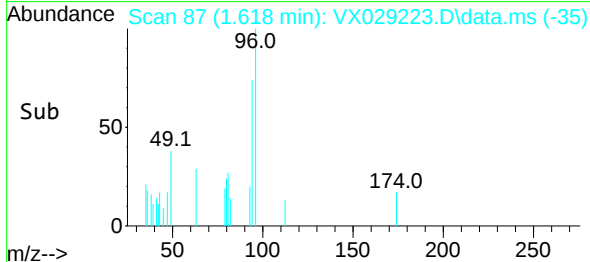
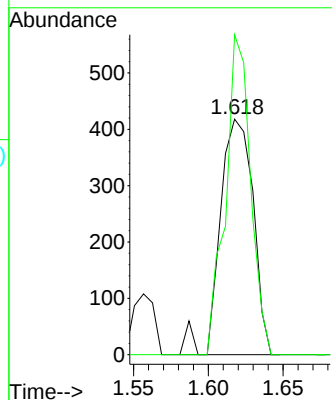
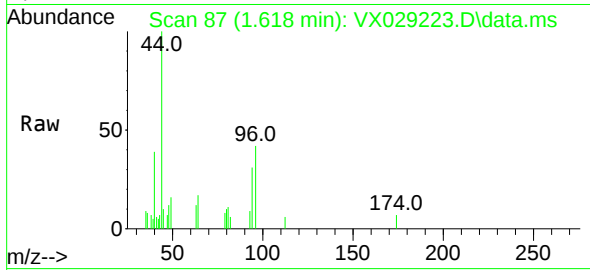




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX029223.D
Acq: 04 Jun 2022 04:26

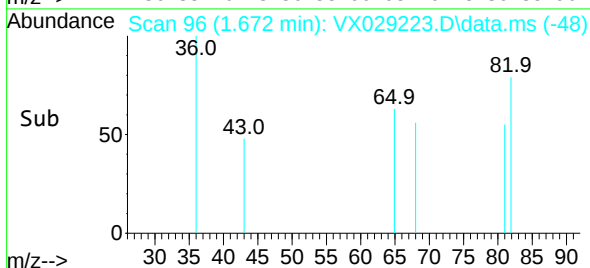
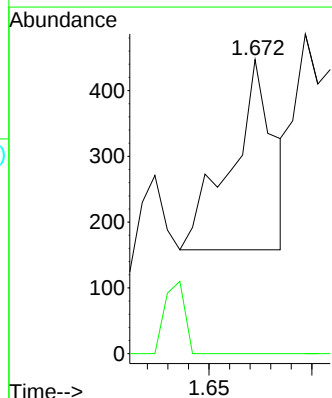
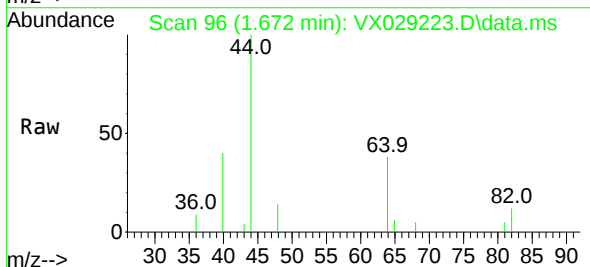
Instrument :
MSVOA_X
ClientSampleId :
43BR-20220601

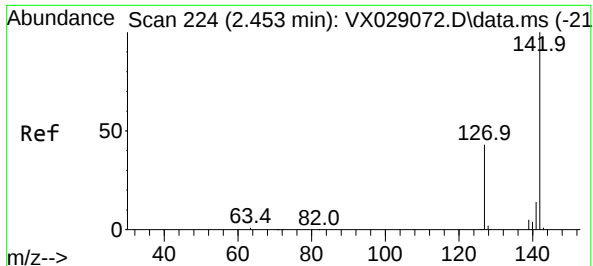
Tgt Ion: 94 Resp: 644
Ion Ratio Lower Upper
94 100
96 135.9 75.3 112.9#



#6
Chloroethane
Concen: 1.553 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX029223.D
Acq: 04 Jun 2022 04:26

Tgt Ion: 64 Resp: 418
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

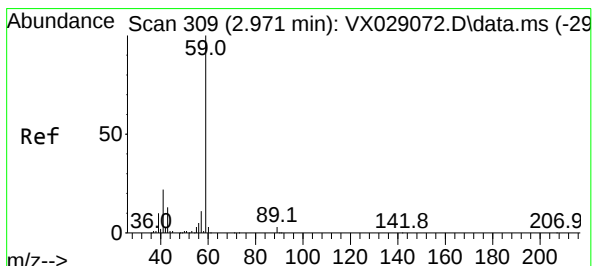
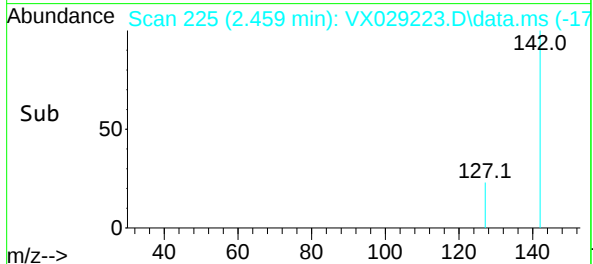
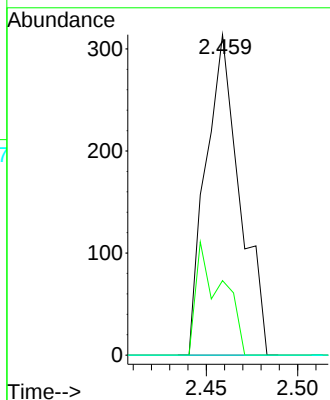
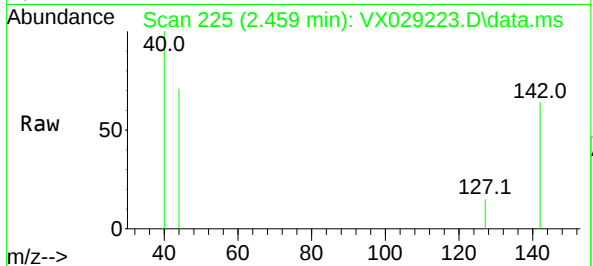




#10
Methyl Iodide
Concen: 4.333 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029223.D
Acq: 04 Jun 2022 04:26

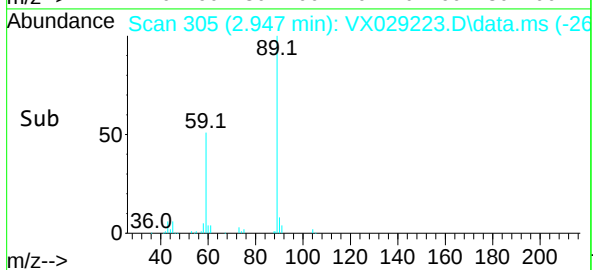
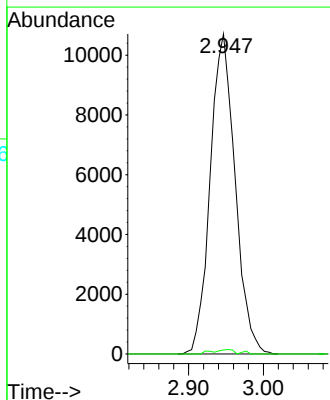
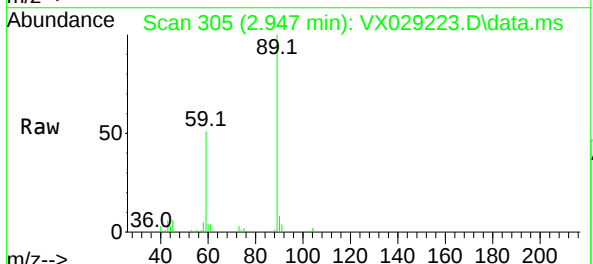
Instrument :
MSVOA_X
ClientSampleId :
43BR-20220601

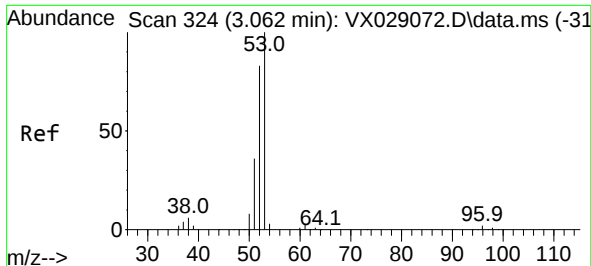
Tgt Ion:142 Resp: 406
Ion Ratio Lower Upper
142 100
127 27.1 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 30.484 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX029223.D
Acq: 04 Jun 2022 04:26

Tgt Ion: 59 Resp: 24842
Ion Ratio Lower Upper
59 100
57 0.8 8.3 12.5#

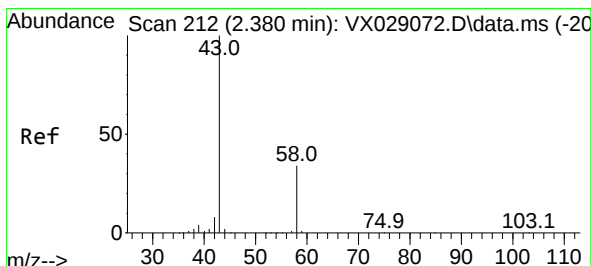
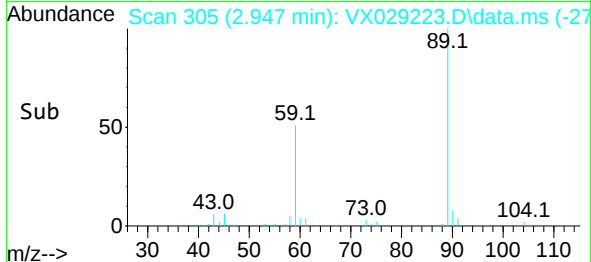
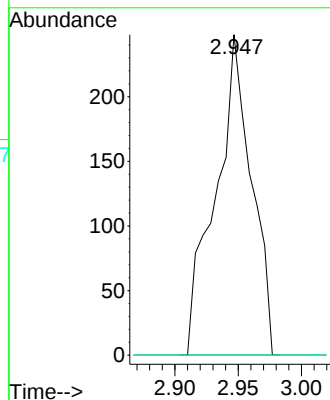
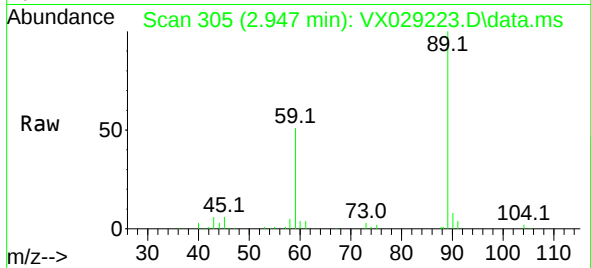




#15
Acrylonitrile
Concen: 0.293 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.115 min
Lab File: VX029223.D
Acq: 04 Jun 2022 04:26

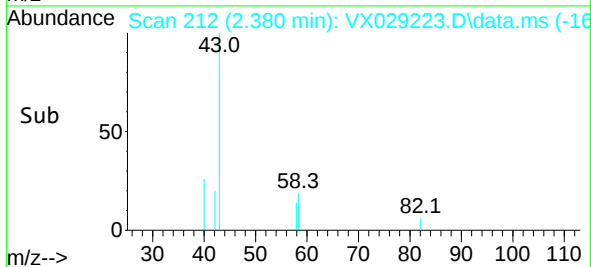
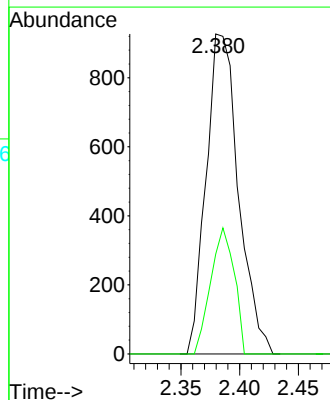
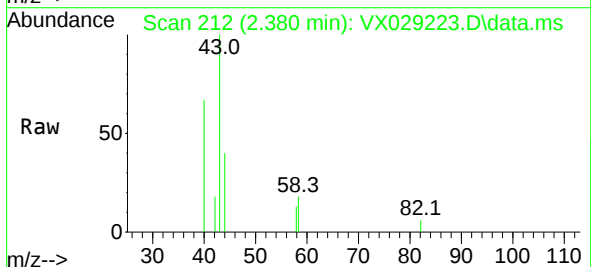
Instrument :
MSVOA_X
ClientSampleId :
43BR-20220601

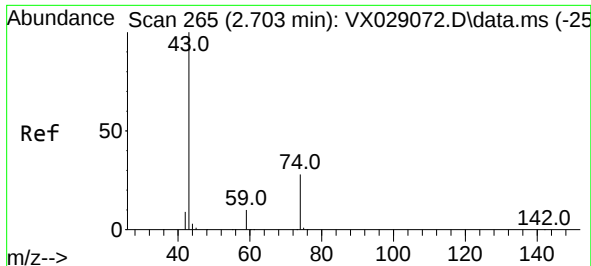
Tgt Ion: 53 Resp: 491
Ion Ratio Lower Upper
53 100
52 0.0 65.7 98.5#
51 0.0 28.4 42.6#



#16
Acetone
Concen: 1.283 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX029223.D
Acq: 04 Jun 2022 04:26

Tgt Ion: 43 Resp: 1777
Ion Ratio Lower Upper
43 100
58 31.2 28.8 43.2

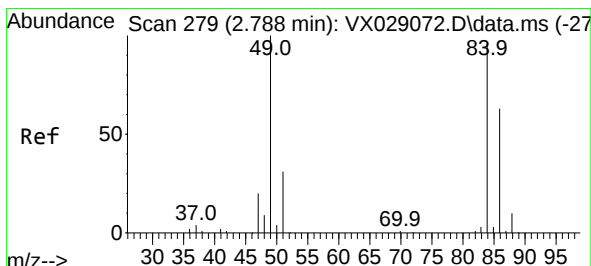
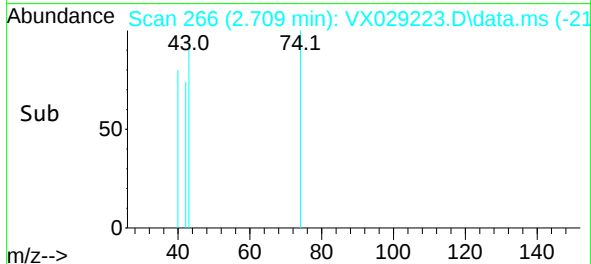
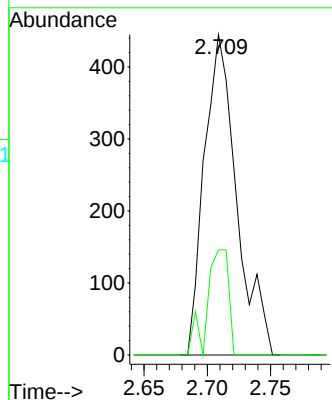
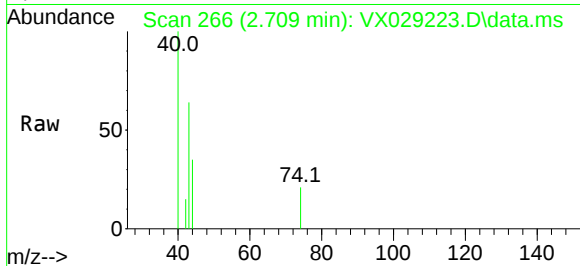




#18
Methyl Acetate
Concen: 0.221 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX029223.D
Acq: 04 Jun 2022 04:26

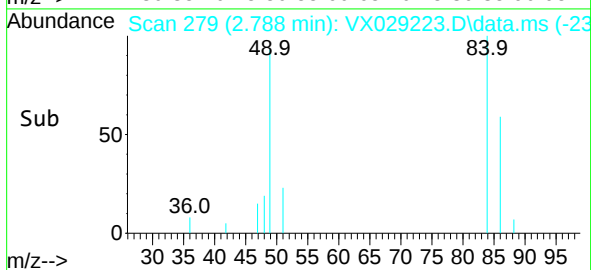
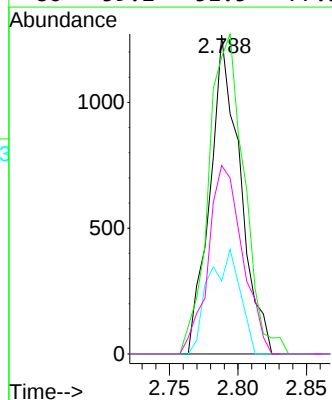
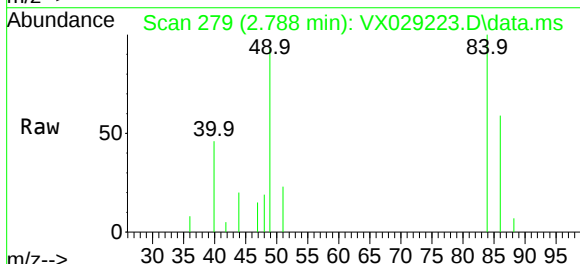
Instrument :
MSVOA_X
ClientSampleId :
43BR-20220601

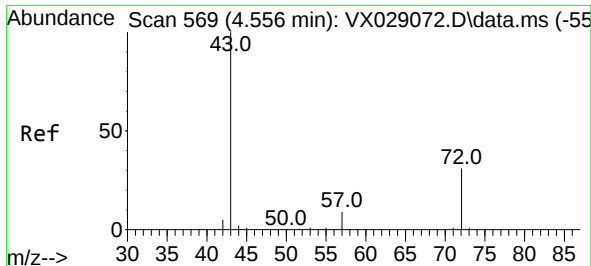
Tgt Ion: 43 Resp: 793
Ion Ratio Lower Upper
43 100
74 21.8 22.8 34.2#



#20
Methylene Chloride
Concen: 0.601 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX029223.D
Acq: 04 Jun 2022 04:26

Tgt Ion: 84 Resp: 1941
Ion Ratio Lower Upper
84 100
49 93.1 85.5 128.3
51 22.9 26.6 39.8#
86 59.2 51.5 77.3

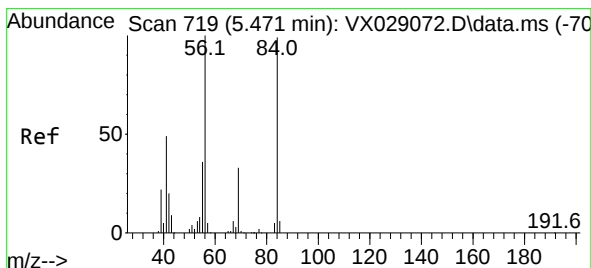
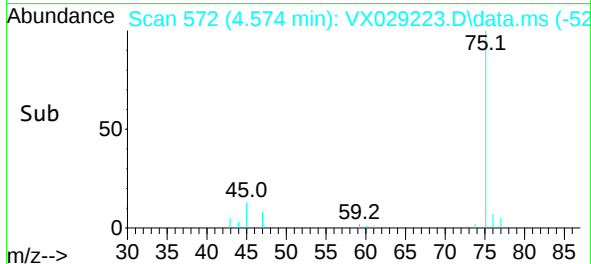
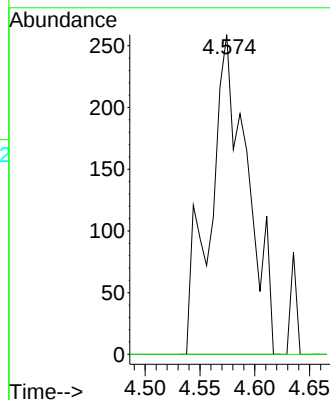
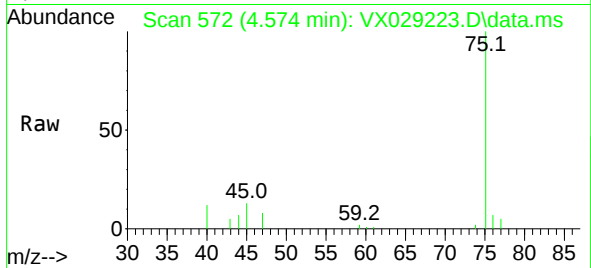




#25
2-Butanone
Concen: 0.273 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX029223.D
Acq: 04 Jun 2022 04:26

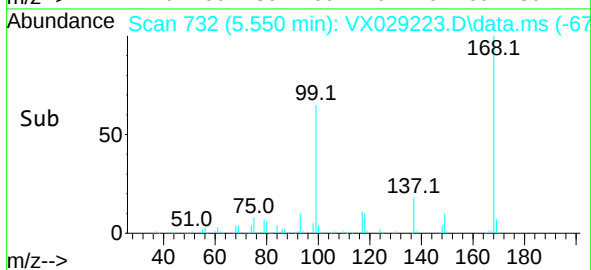
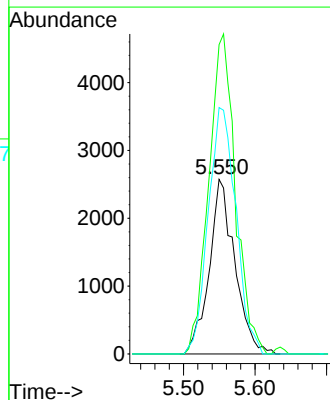
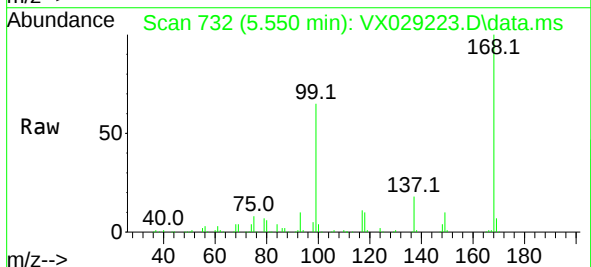
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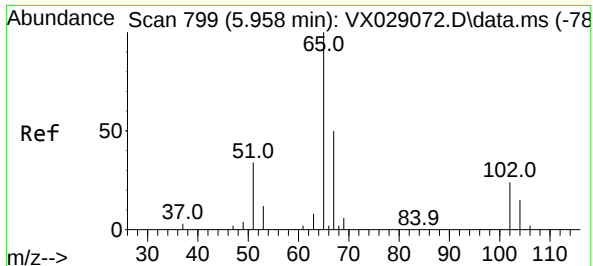
Tgt Ion: 43 Resp: 611
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#



#31
Cyclohexane
Concen: 1.398 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX029223.D
Acq: 04 Jun 2022 04:26

Tgt Ion: 56 Resp: 6395
Ion Ratio Lower Upper
56 100
69 177.1 26.7 40.1#
84 141.1 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 61.416 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029223.D

Acq: 04 Jun 2022 04:26

Instrument :

MSVOA_X

ClientSampleId :

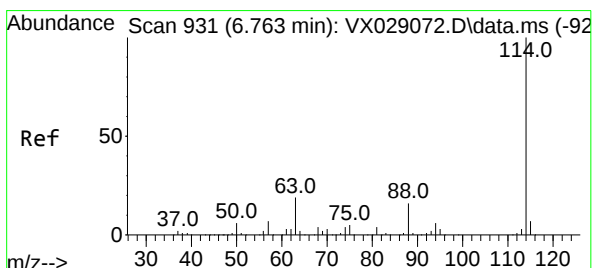
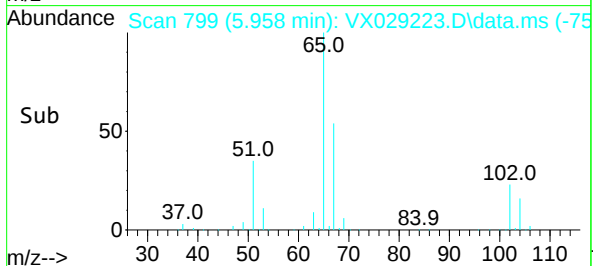
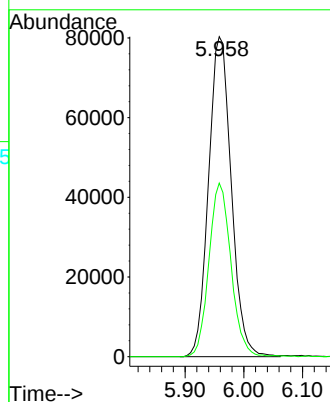
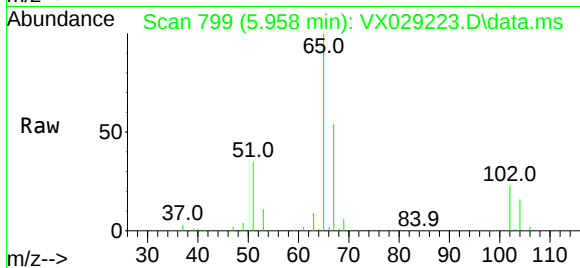
43BR-20220601

Tgt Ion: 65 Resp: 216052

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: VX029223.D

Acq: 04 Jun 2022 04:26

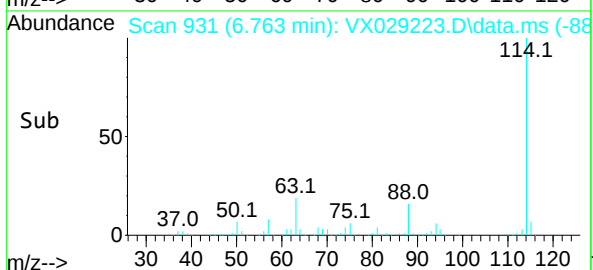
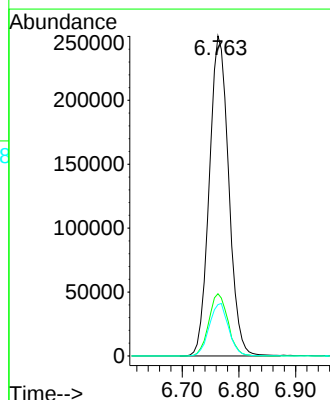
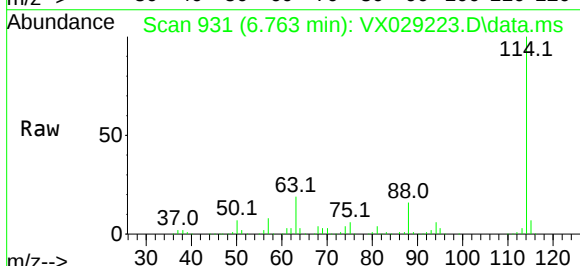
Tgt Ion: 114 Resp: 595478

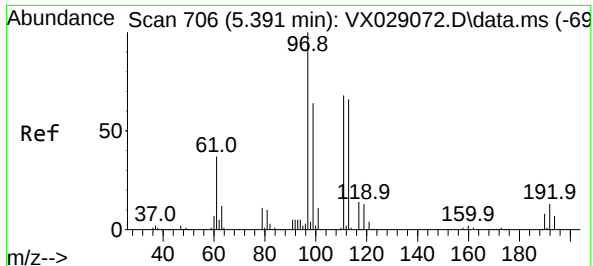
Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.8

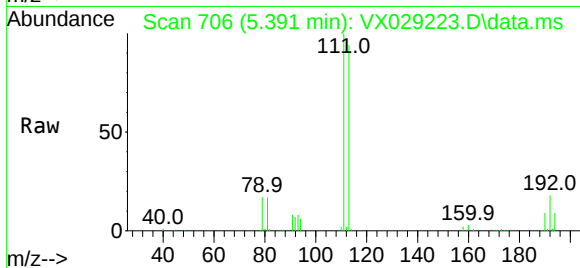
88 16.1 0.0 32.4



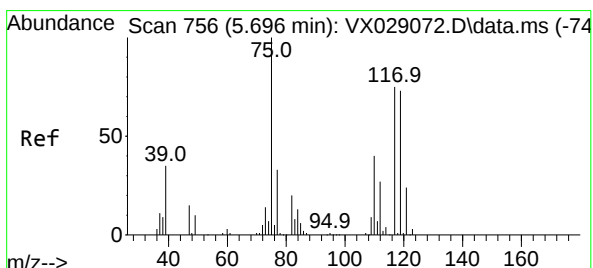
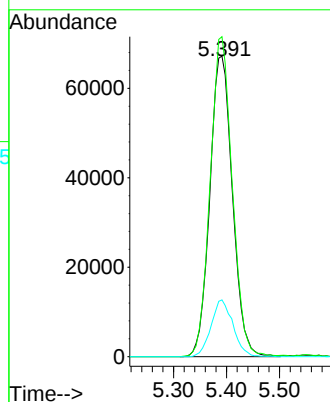
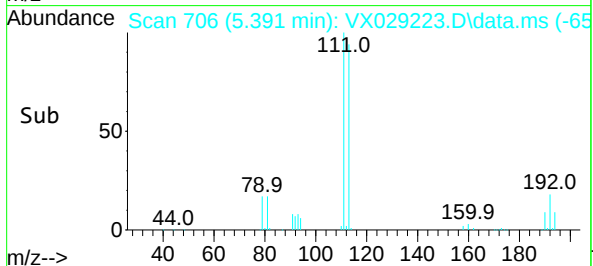


#35
Dibromofluoromethane
Concen: 50.317 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029223.D
Acq: 04 Jun 2022 04:26

Instrument :
MSVOA_X
ClientSampleId :
43BR-20220601

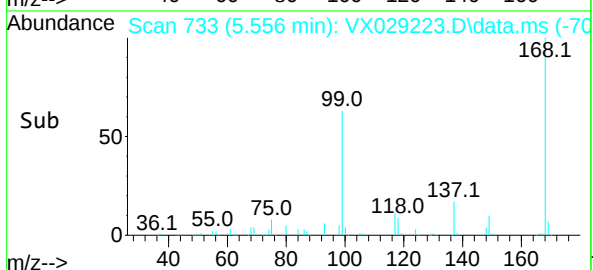
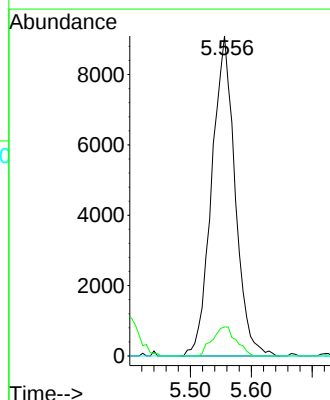
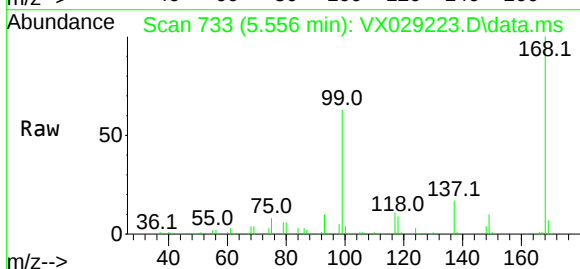


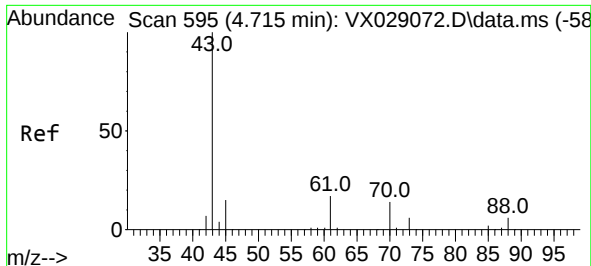
Tgt Ion:113 Resp: 199019
Ion Ratio Lower Upper
113 100
111 104.0 82.8 124.2
192 18.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.759 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX029223.D
Acq: 04 Jun 2022 04:26

Tgt Ion: 75 Resp: 24218
Ion Ratio Lower Upper
75 100
110 9.3 18.3 54.8#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.532 ug/l

RT: 4.727 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX029223.D

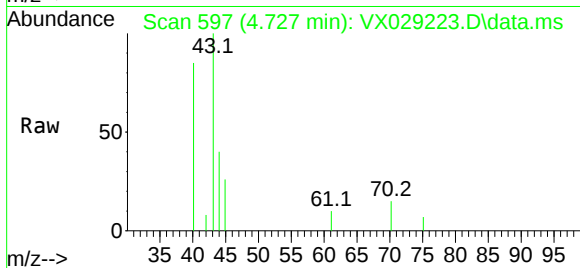
Acq: 04 Jun 2022 04:26

Instrument :

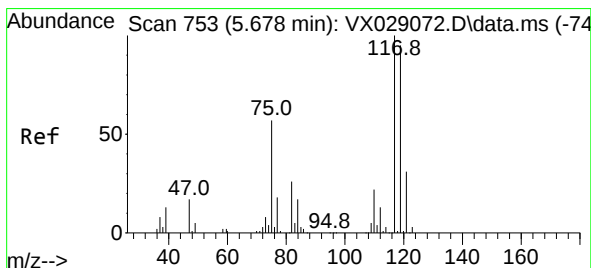
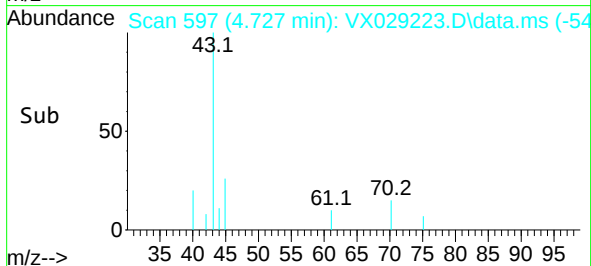
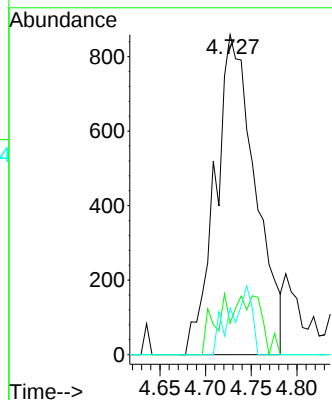
MSVOA_X

ClientSampleId :

43BR-20220601



Tgt Ion: 43	Resp: 2622
Ion Ratio	Lower Upper
43	100
61	7.2 12.6 19.0#
70	0.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 5.706 ug/l

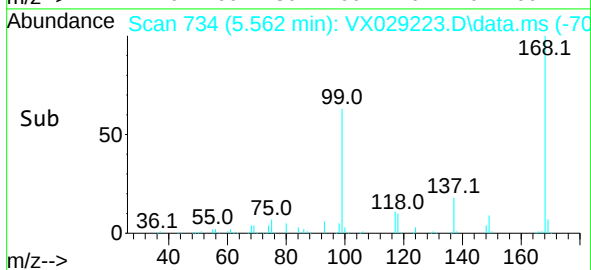
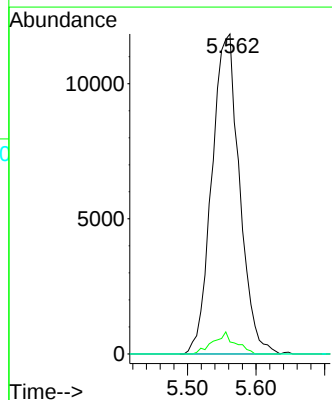
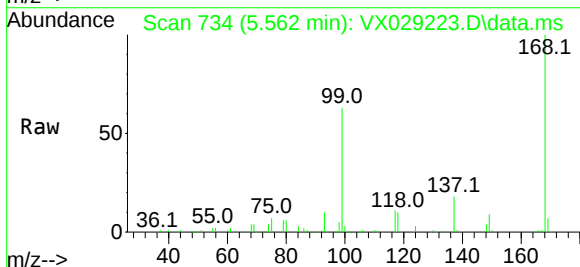
RT: 5.562 min Scan# 734

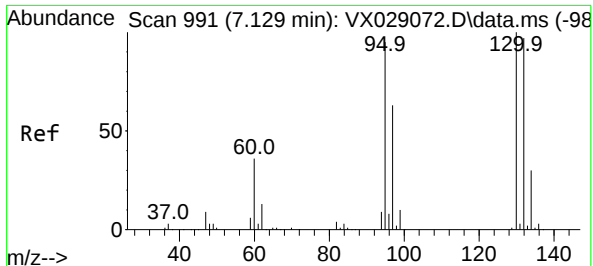
Delta R.T. -0.116 min

Lab File: VX029223.D

Acq: 04 Jun 2022 04:26

Tgt Ion: 117	Resp: 33185
Ion Ratio	Lower Upper
117	100
119	3.8 77.3 115.9#
121	0.0 24.2 36.2#

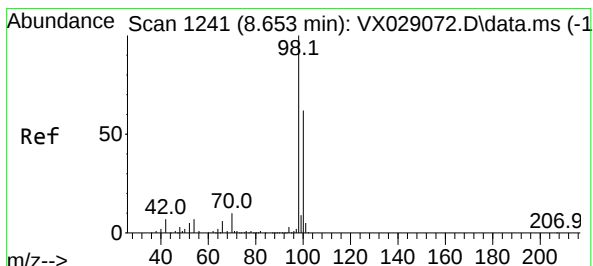
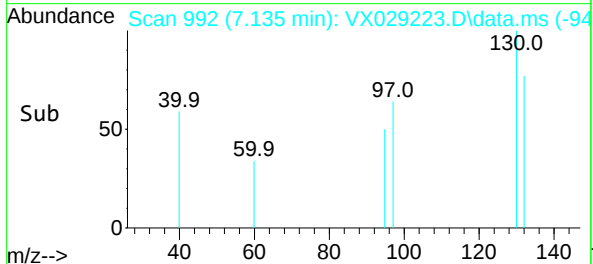
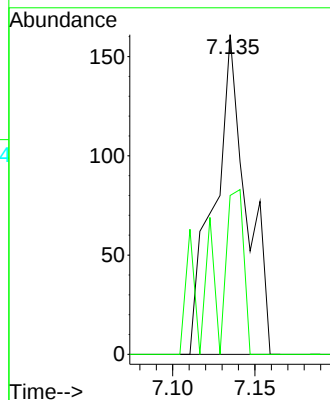
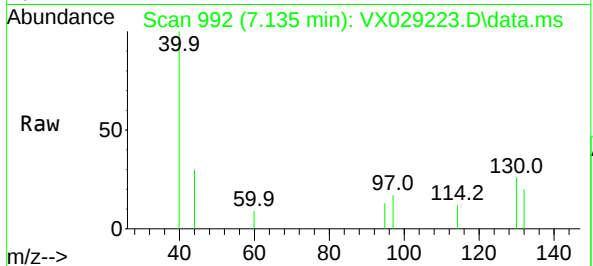




#44
 Trichloroethene
 Concen: Below Cal
 RT: 7.135 min Scan# 94
 Delta R.T. 0.006 min
 Lab File: VX029223.D
 Acq: 04 Jun 2022 04:26

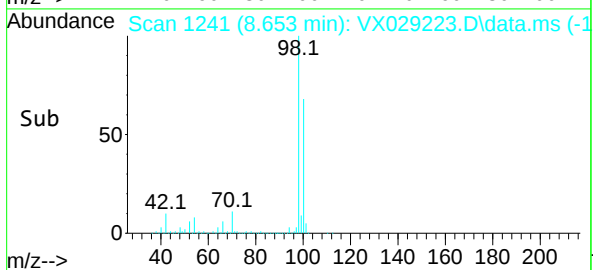
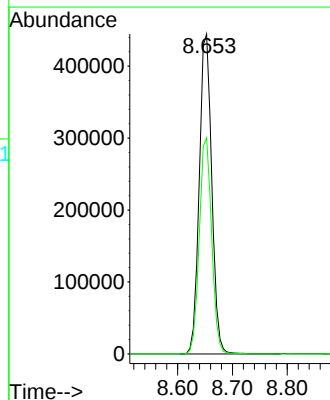
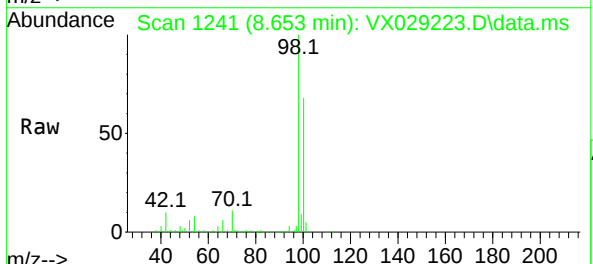
Instrument :
 MSVOA_X
 ClientSampleId :
 43BR-20220601

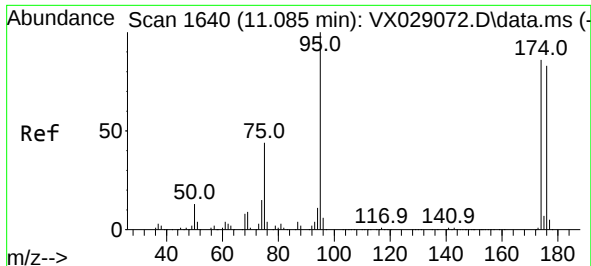
Tgt Ion:130 Resp: 219
 Ion Ratio Lower Upper
 130 100
 95 49.7 0.0 188.8



#50
 Toluene-d8
 Concen: 48.696 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. -0.000 min
 Lab File: VX029223.D
 Acq: 04 Jun 2022 04:26

Tgt Ion: 98 Resp: 704442
 Ion Ratio Lower Upper
 98 100
 100 67.1 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 49.505 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX029223.D

Acq: 04 Jun 2022 04:26

Instrument :

MSVOA_X

ClientSampleId :

43BR-20220601

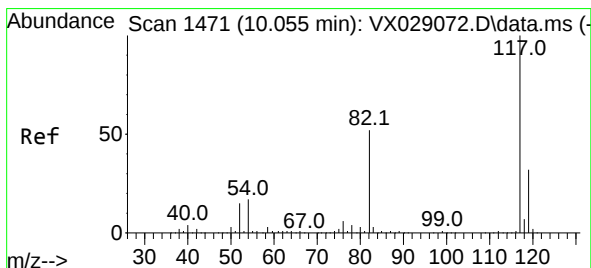
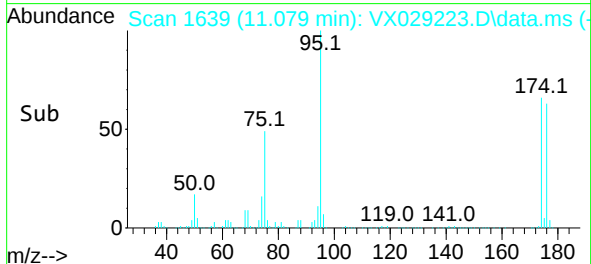
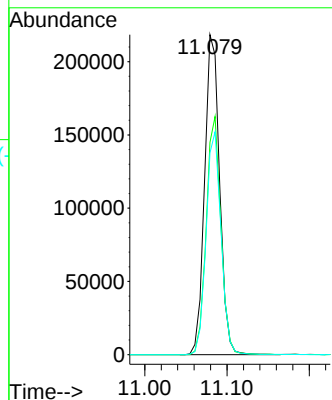
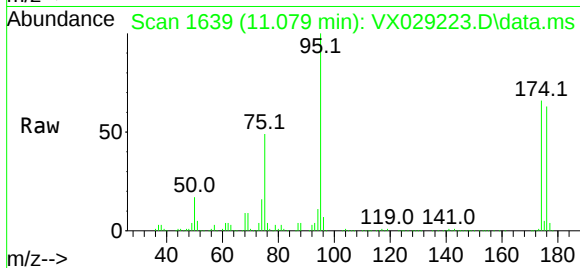
Tgt Ion: 95 Resp: 276830

Ion Ratio Lower Upper

95 100

174 72.7 0.0 163.0

176 69.2 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: VX029223.D

Acq: 04 Jun 2022 04:26

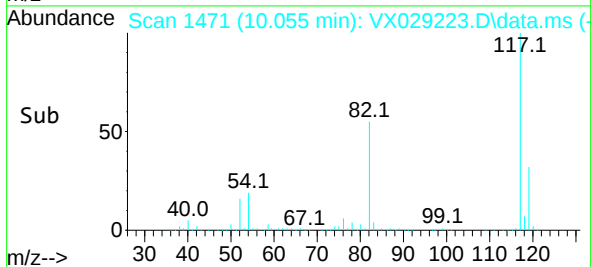
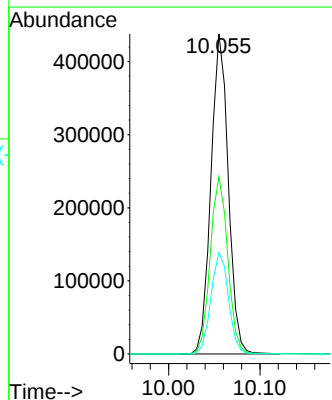
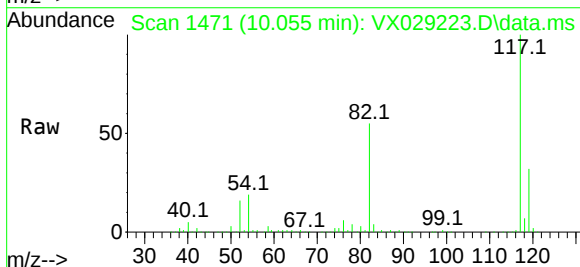
Tgt Ion: 117 Resp: 576037

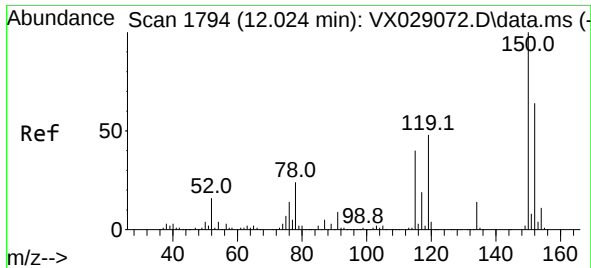
Ion Ratio Lower Upper

117 100

82 55.4 41.8 62.8

119 31.7 24.8 37.2

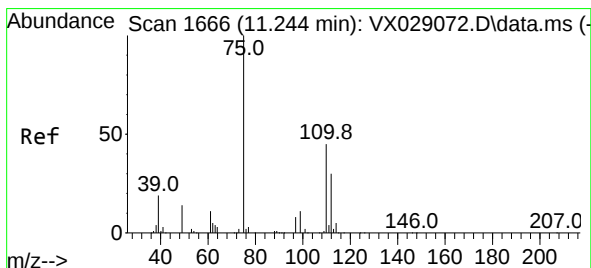
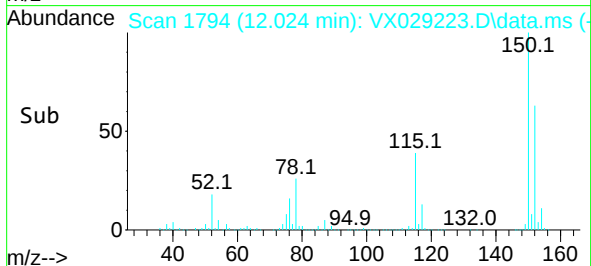
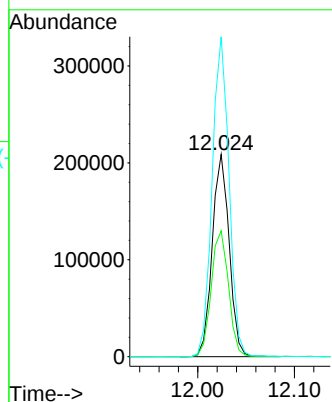
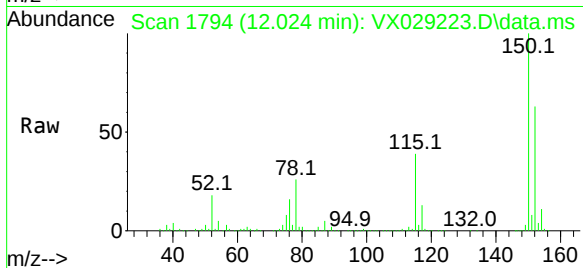




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029223.D
Acq: 04 Jun 2022 04:26

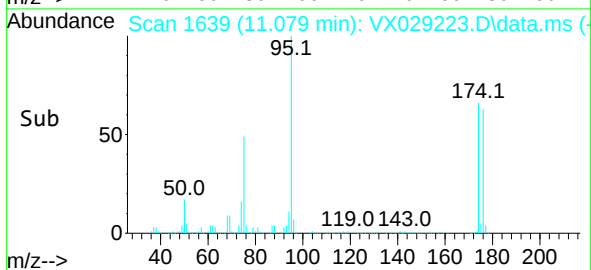
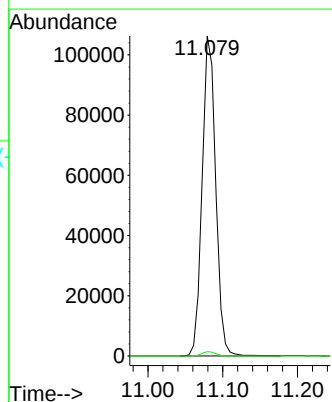
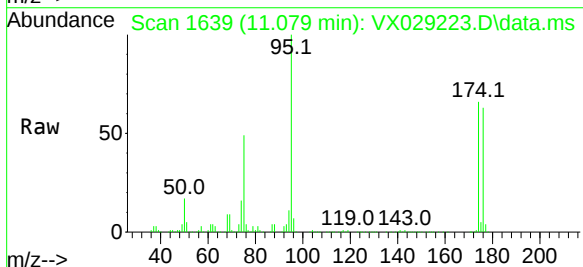
Instrument :
MSVOA_X
ClientSampleId :
43BR-20220601

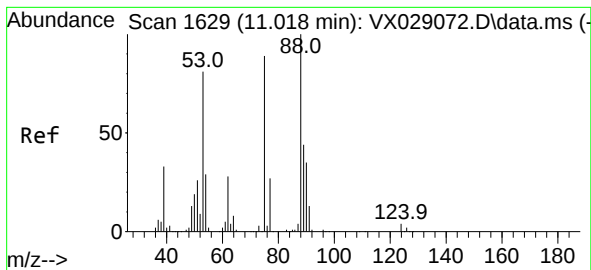
Tgt Ion:152 Resp: 254025
Ion Ratio Lower Upper
152 100
115 63.6 37.5 112.7
150 157.9 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 25.992 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029223.D
Acq: 04 Jun 2022 04:26

Tgt Ion: 75 Resp: 133844
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.254 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029223.D
 Acq: 04 Jun 2022 04:26

Instrument :
 MSVOA_X
 ClientSampleId :
 43BR-20220601

Tgt Ion: 75 Resp: 133844
 Ion Ratio Lower Upper
 75 100
 53 0.1 69.0 103.4#
 89 0.0 37.0 55.6#

