

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060222\
 Data File : VX029171.D
 Acq On : 03 Jun 2022 06:18
 Operator : JC/MD
 Sample : N3164-11 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 34BR-20220531

Quant Time: Jun 03 09:42:54 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)

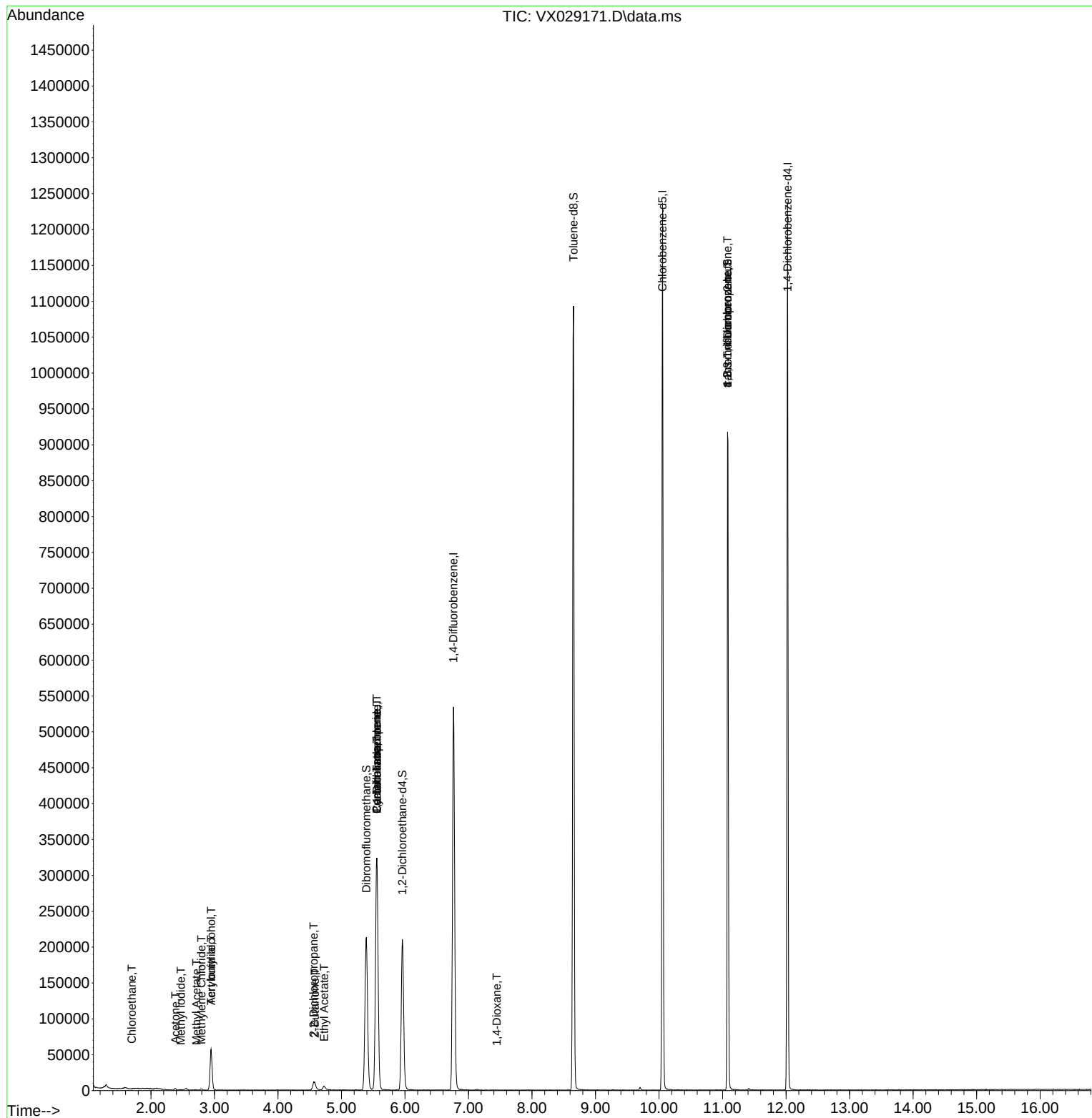
Internal Standards						
1) Pentafluorobenzene	5.556	168	310199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	572306	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	554324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	252214	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	200961	57.451	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	114.900%
35) Dibromofluoromethane	5.391	113	190248	50.047	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.100%
50) Toluene-d8	8.653	98	673012	48.407	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.820%
62) 4-Bromofluorobenzene	11.079	95	265664	49.432	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.860%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	784	Below Cal		95
6) Chloroethane	1.697	64	499	1.583	ug/l #	43
10) Methyl Iodide	2.471	142	803	4.437	ug/l #	41
11) Tert butyl alcohol	2.947	59	31701	39.122	ug/l #	76
15) Acrylonitrile	2.947	53	465	0.279	ug/l #	20
16) Acetone	2.386	43	2256	1.638	ug/l	90
18) Methyl Acetate	2.715	43	827	0.232	ug/l #	72
20) Methylene Chloride	2.794	84	918	0.286	ug/l #	83
25) 2-Butanone	4.581	43	608	0.274	ug/l #	44
26) 2,2-Dichloropropane	4.562	77	1045	0.245	ug/l #	52
31) Cyclohexane	5.556	56	5861	1.289	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	24476	5.004	ug/l #	50
37) Ethyl Acetate	4.727	43	9485	2.001	ug/l	96
38) Carbon Tetrachloride	5.556	117	32438	5.803	ug/l #	14
44) Trichloroethene	7.135	130	381	Below Cal		59
49) 1,4-Dioxane	7.446	88	24	0.217	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	127575	24.952	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	127575	73.204	ug/l #	15

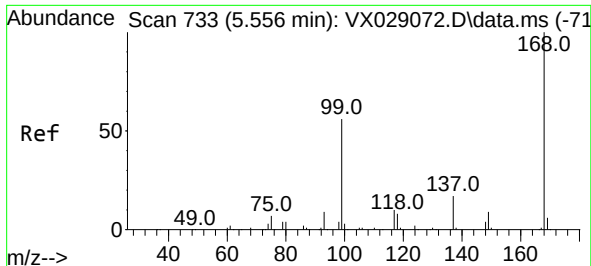
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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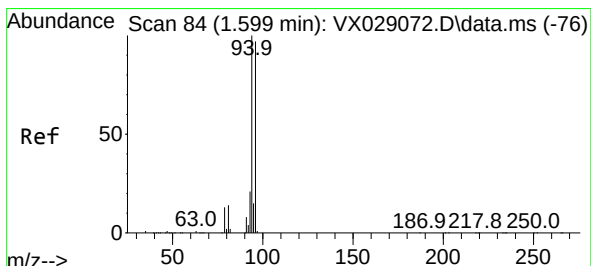
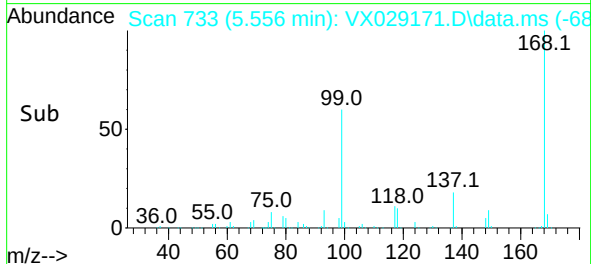
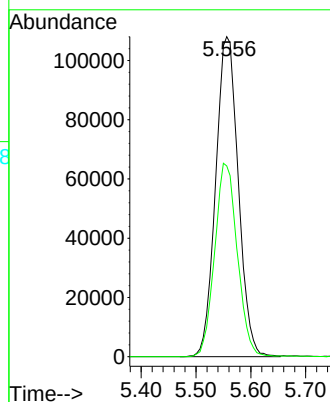
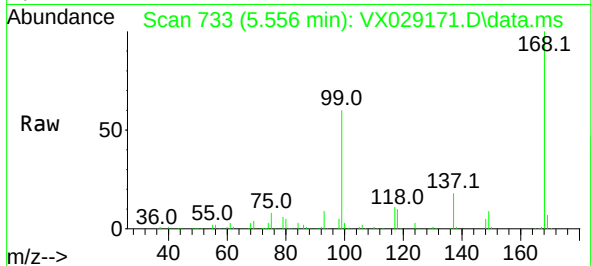




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029171.D
Acq: 03 Jun 2022 06:18

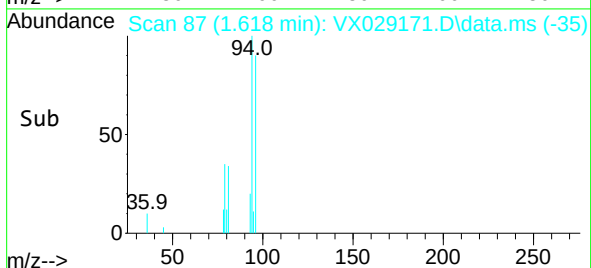
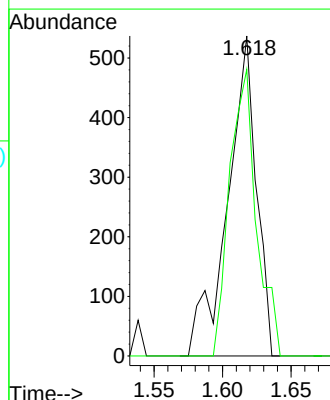
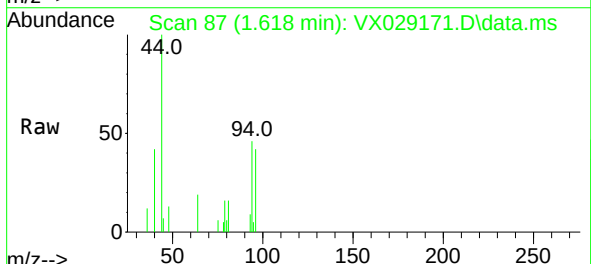
Instrument :
MSVOA_X
ClientSampleId :
34BR-20220531

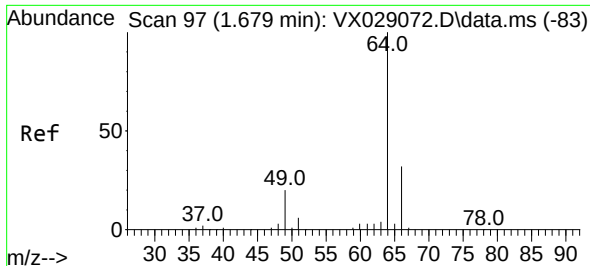
Tgt Ion:168 Resp: 310199
Ion Ratio Lower Upper
168 100
99 59.6 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX029171.D
Acq: 03 Jun 2022 06:18

Tgt Ion: 94 Resp: 784
Ion Ratio Lower Upper
94 100
96 89.6 75.3 112.9

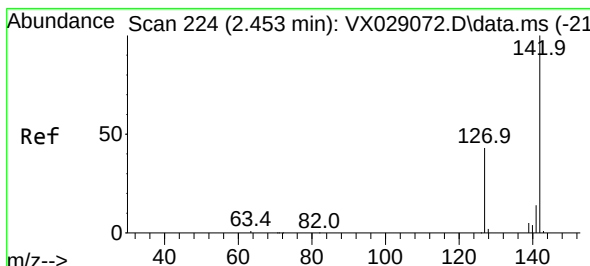
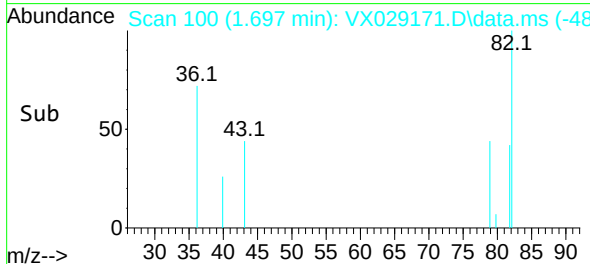
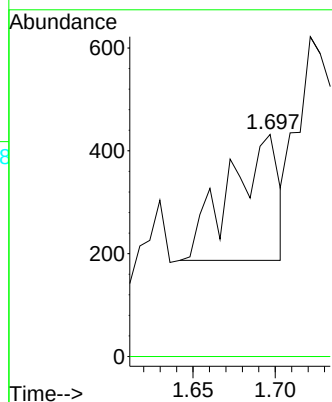
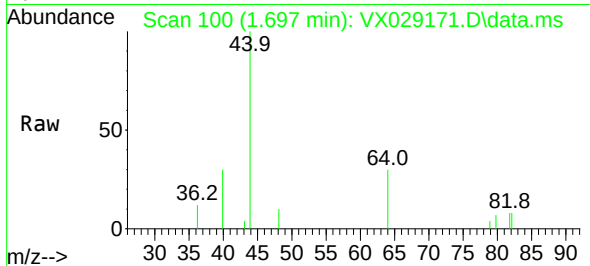




#6
Chloroethane
Concen: 1.583 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.018 min
Lab File: VX029171.D
Acq: 03 Jun 2022 06:18

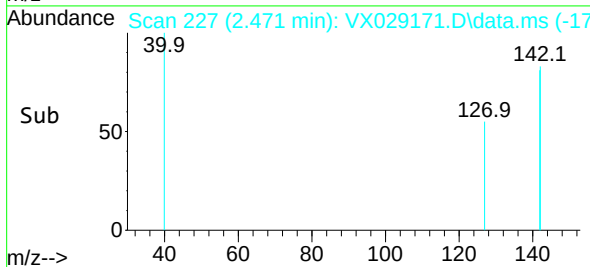
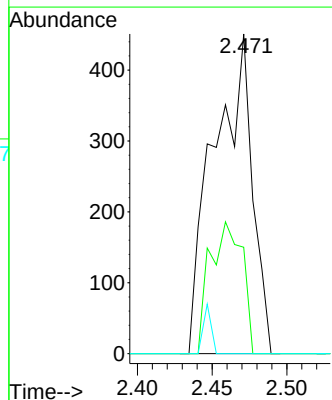
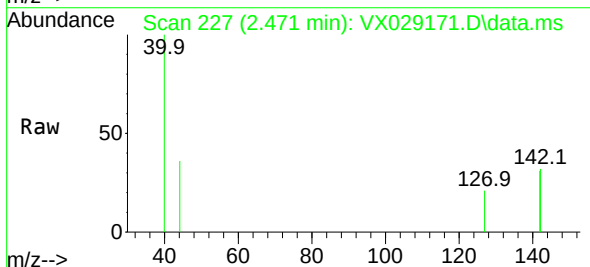
Instrument :
MSVOA_X
ClientSampleId :
34BR-20220531

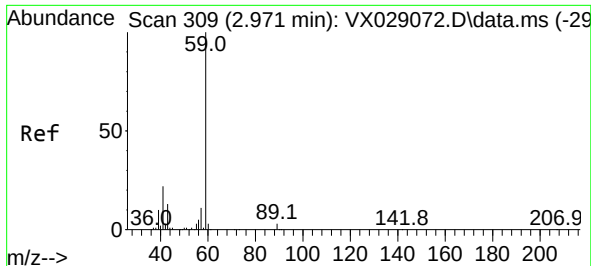
Tgt Ion: 64 Resp: 499
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 4.437 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX029171.D
Acq: 03 Jun 2022 06:18

Tgt Ion: 142 Resp: 803
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 39.122 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.024 min

Lab File: VX029171.D

Acq: 03 Jun 2022 06:18

Instrument :

MSVOA_X

ClientSampleId :

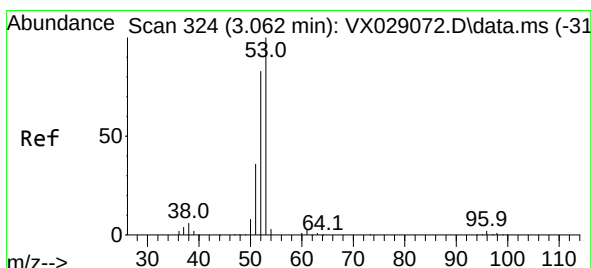
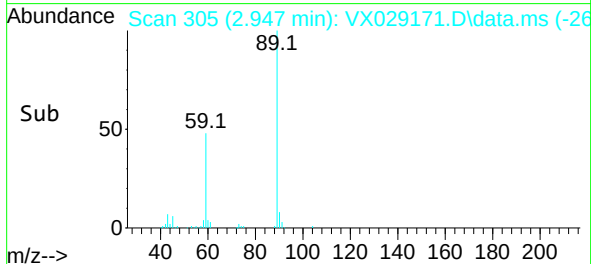
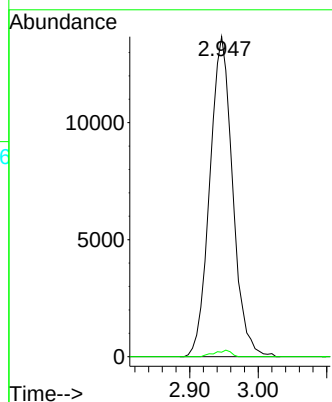
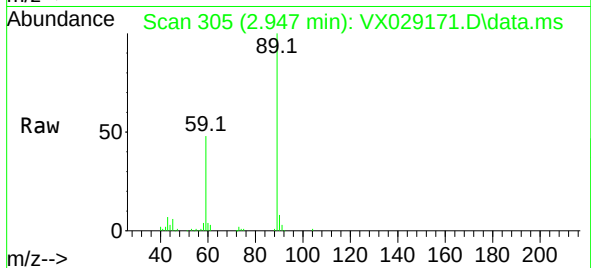
34BR-20220531

Tgt Ion: 59 Resp: 31701

Ion Ratio Lower Upper

59 100

57 1.5 8.3 12.5#



#15

Acrylonitrile

Concen: 0.279 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.115 min

Lab File: VX029171.D

Acq: 03 Jun 2022 06:18

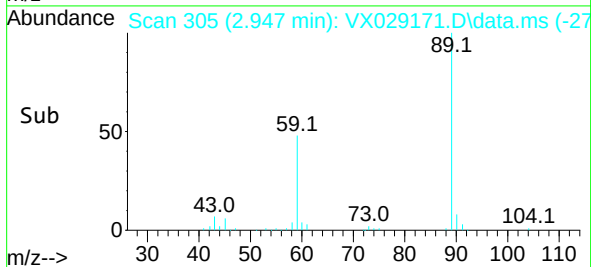
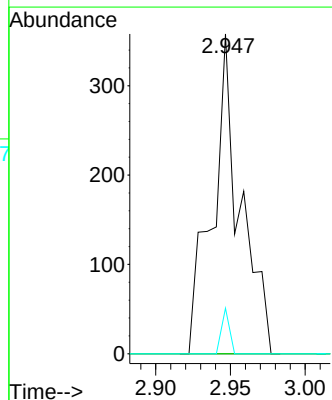
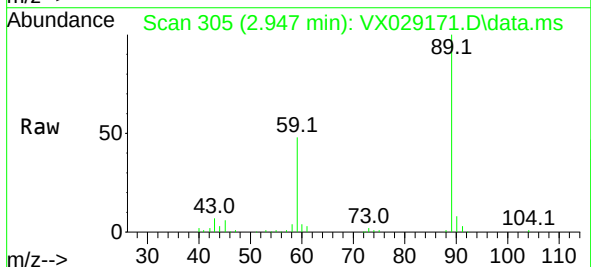
Tgt Ion: 53 Resp: 465

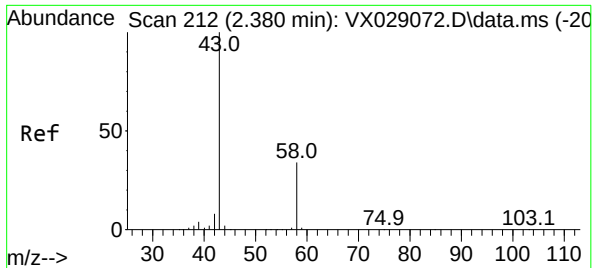
Ion Ratio Lower Upper

53 100

52 0.0 65.7 98.5#

51 4.1 28.4 42.6#

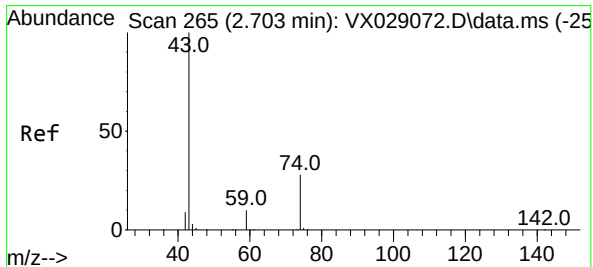
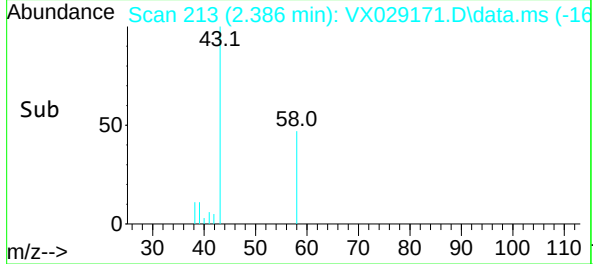
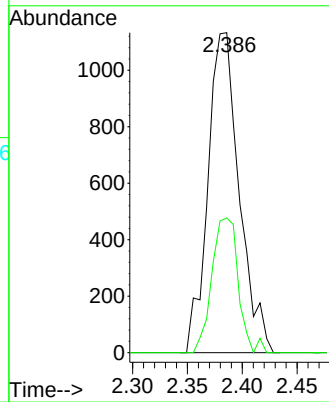
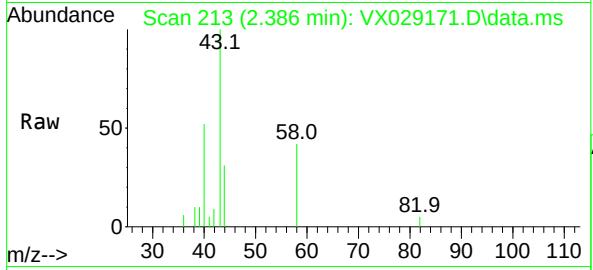




#16
Acetone
Concen: 1.638 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029171.D
Acq: 03 Jun 2022 06:18

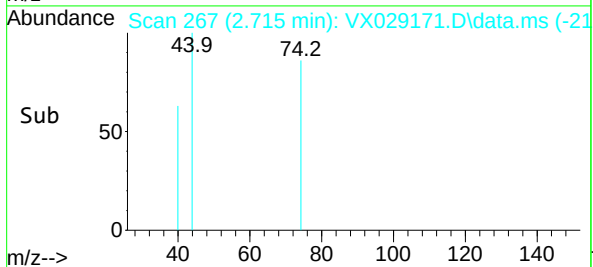
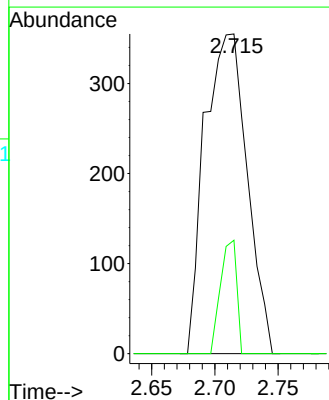
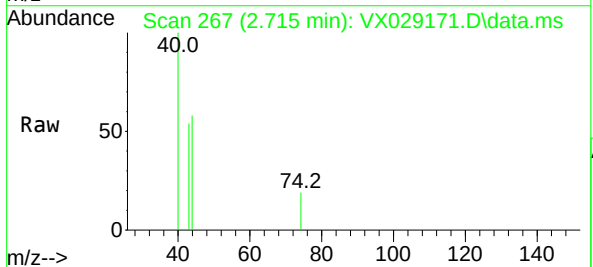
Instrument :
MSVOA_X
ClientSampleId :
34BR-20220531

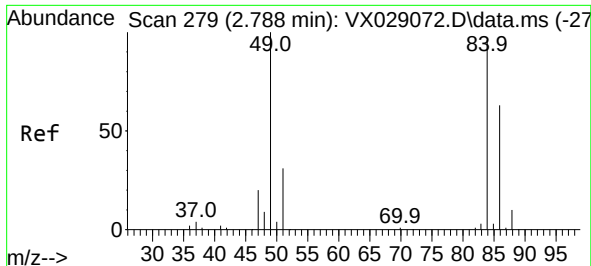
Tgt Ion: 43 Resp: 2256
Ion Ratio Lower Upper
43 100
58 42.1 28.8 43.2



#18
Methyl Acetate
Concen: 0.232 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX029171.D
Acq: 03 Jun 2022 06:18

Tgt Ion: 43 Resp: 827
Ion Ratio Lower Upper
43 100
74 13.5 22.8 34.2#





#20

Methylene Chloride

Concen: 0.286 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX029171.D

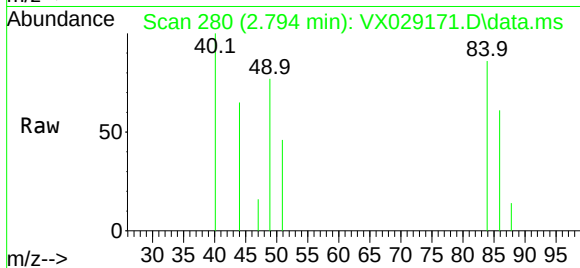
Acq: 03 Jun 2022 06:18

Instrument :

MSVOA_X

ClientSampleId :

34BR-20220531



Tgt Ion: 84 Resp: 918

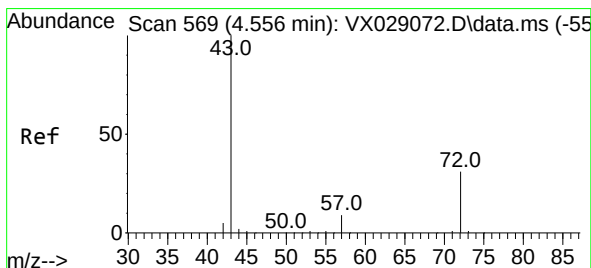
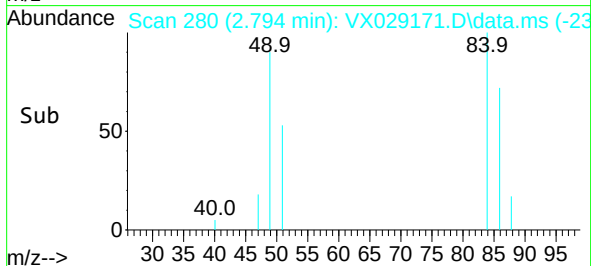
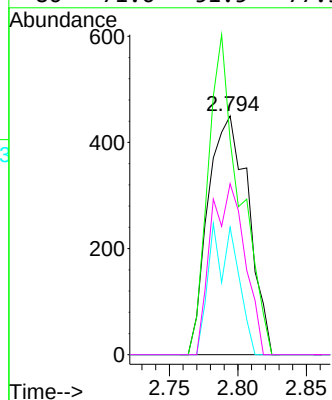
Ion Ratio Lower Upper

84 100

49 89.8 85.5 128.3

51 53.3 26.6 39.8#

86 71.6 51.5 77.3



#25

2-Butanone

Concen: 0.274 ug/l

RT: 4.581 min Scan# 573

Delta R.T. 0.025 min

Lab File: VX029171.D

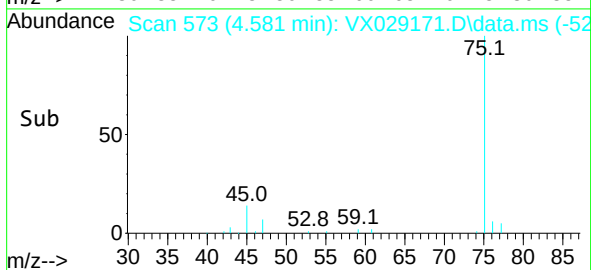
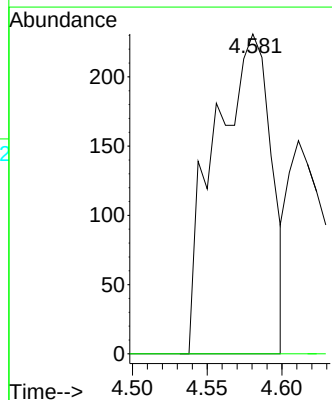
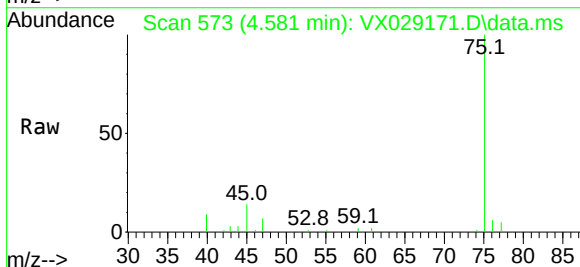
Acq: 03 Jun 2022 06:18

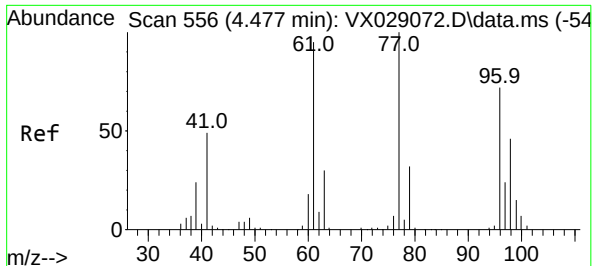
Tgt Ion: 43 Resp: 608

Ion Ratio Lower Upper

43 100

72 0.0 24.4 36.6#





#26

2,2-Dichloropropane

Concen: 0.245 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.085 min

Lab File: VX029171.D

Acq: 03 Jun 2022 06:18

Instrument :

MSVOA_X

ClientSampleId :

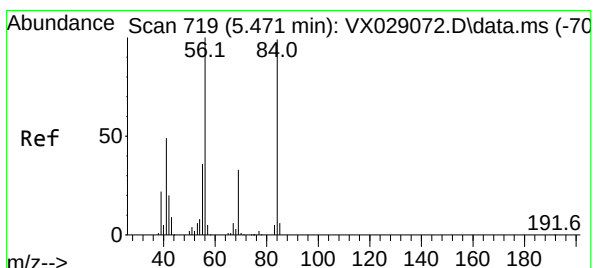
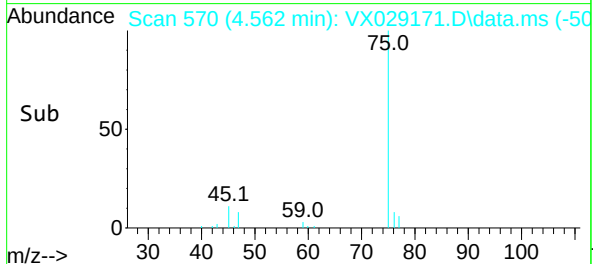
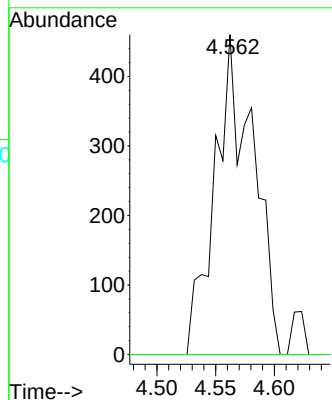
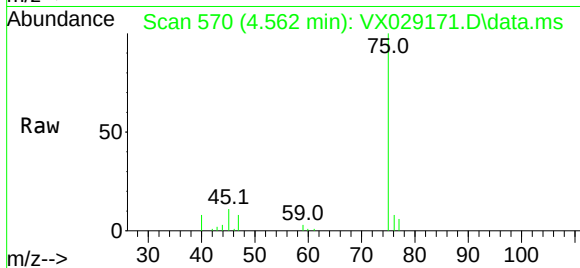
34BR-20220531

Tgt Ion: 77 Resp: 1045

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



#31

Cyclohexane

Concen: 1.289 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX029171.D

Acq: 03 Jun 2022 06:18

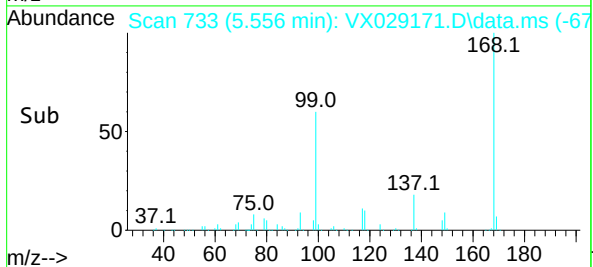
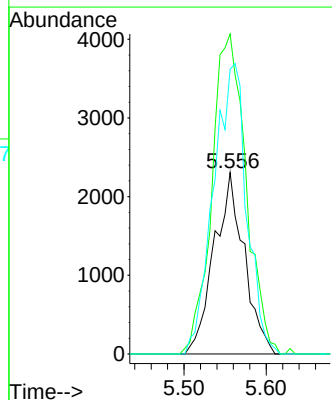
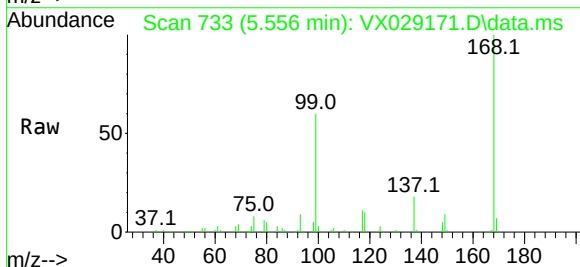
Tgt Ion: 56 Resp: 5861

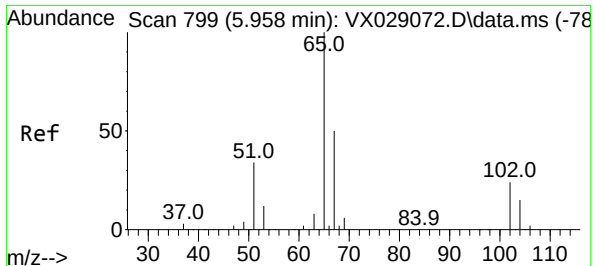
Ion Ratio Lower Upper

56 100

69 176.3 26.7 40.1#

84 156.9 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 57.451 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029171.D

Acq: 03 Jun 2022 06:18

Instrument :

MSVOA_X

ClientSampleId :

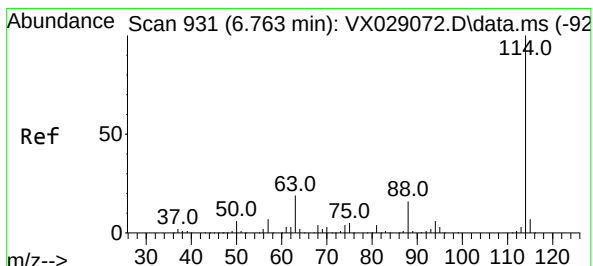
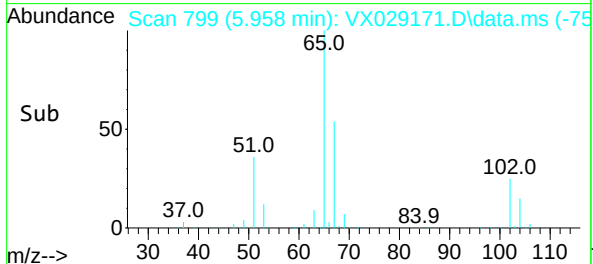
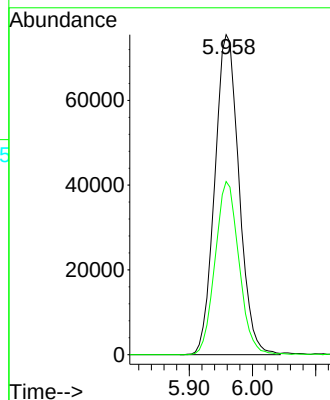
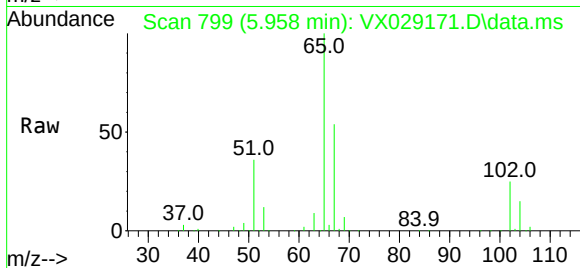
34BR-20220531

Tgt Ion: 65 Resp: 200961

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# 931

Delta R.T. 0.000 min

Lab File: VX029171.D

Acq: 03 Jun 2022 06:18

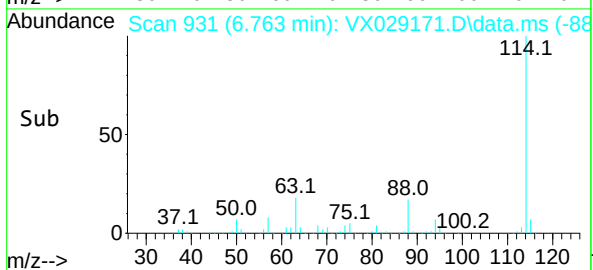
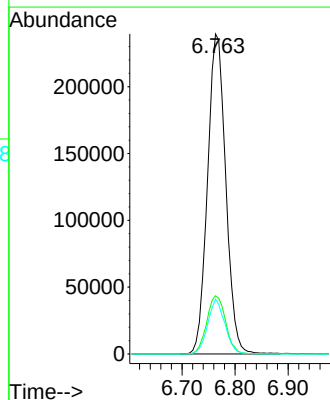
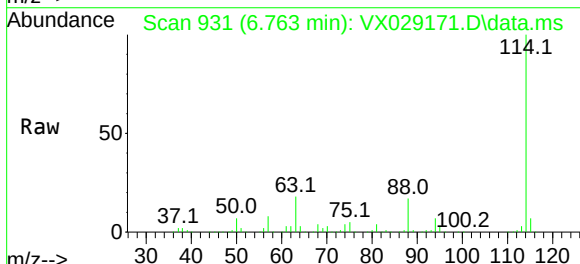
Tgt Ion: 114 Resp: 572306

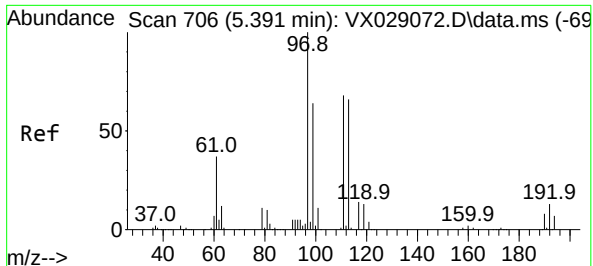
Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.8

88 17.1 0.0 32.4

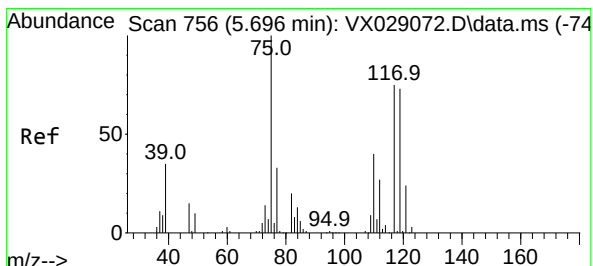
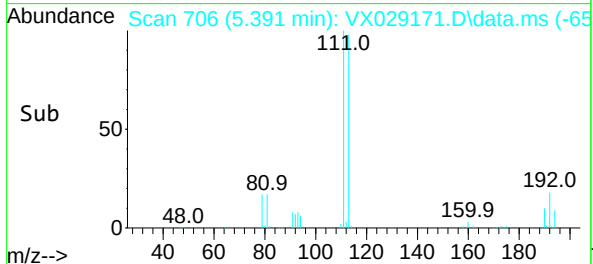
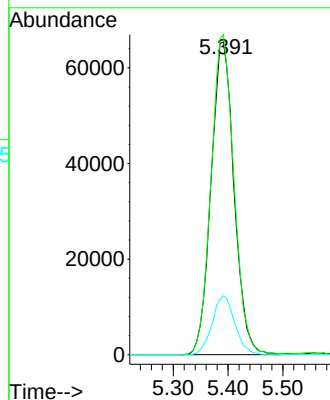
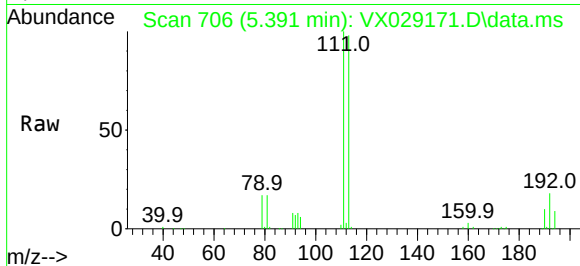




#35
Dibromofluoromethane
Concen: 50.047 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029171.D
Acq: 03 Jun 2022 06:18

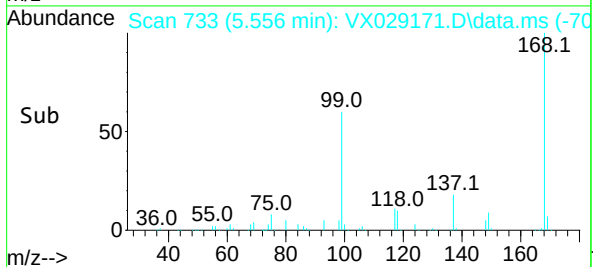
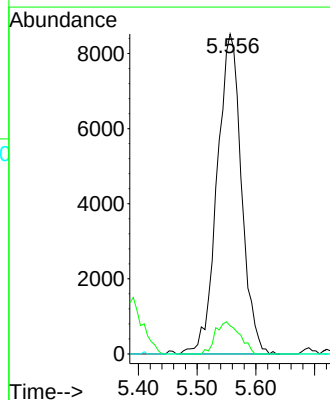
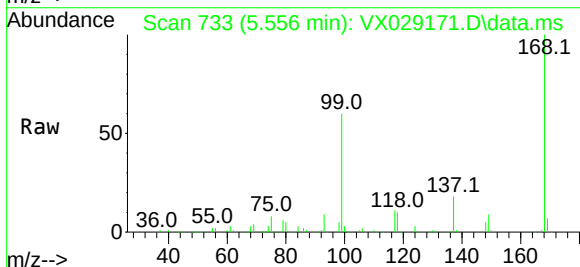
Instrument :
MSVOA_X
ClientSampleId :
34BR-20220531

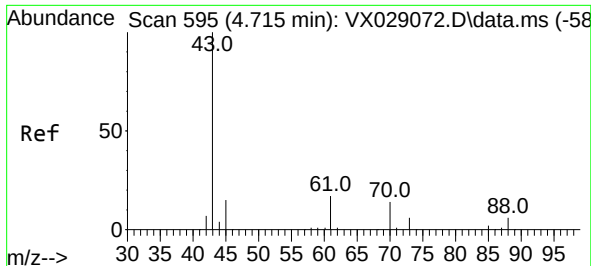
Tgt Ion:113 Resp: 190248
Ion Ratio Lower Upper
113 100
111 102.2 82.8 124.2
192 18.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.004 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX029171.D
Acq: 03 Jun 2022 06:18

Tgt Ion: 75 Resp: 24476
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 2.001 ug/l

RT: 4.727 min Scan# 595

Delta R.T. 0.012 min

Lab File: VX029171.D

Acq: 03 Jun 2022 06:18

Instrument :

MSVOA_X

ClientSampleId :

34BR-20220531

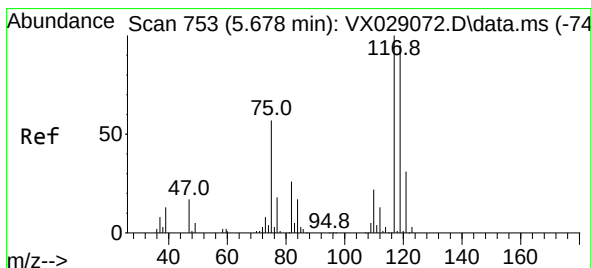
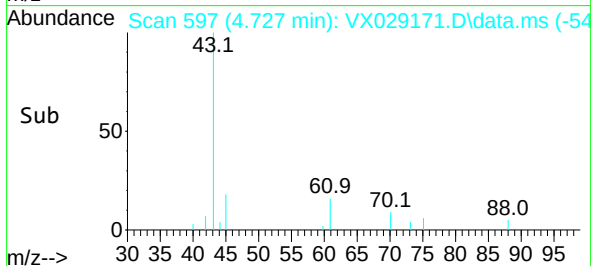
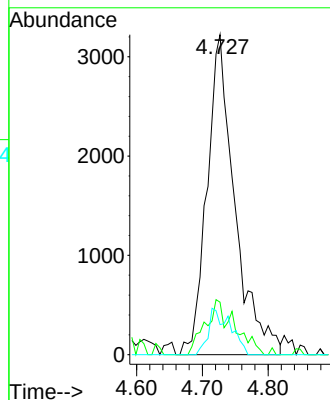
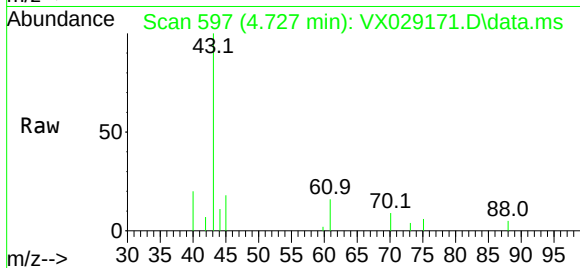
Tgt Ion: 43 Resp: 9485

Ion Ratio Lower Upper

43 100

61 18.0 12.6 19.0

70 11.4 10.2 15.2



#38

Carbon Tetrachloride

Concen: 5.803 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX029171.D

Acq: 03 Jun 2022 06:18

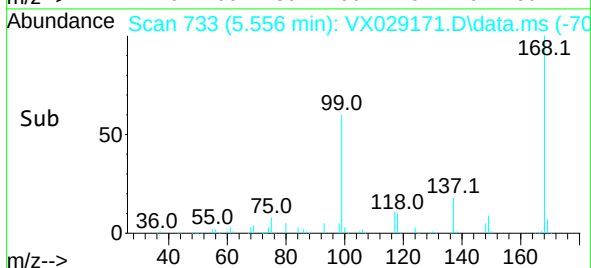
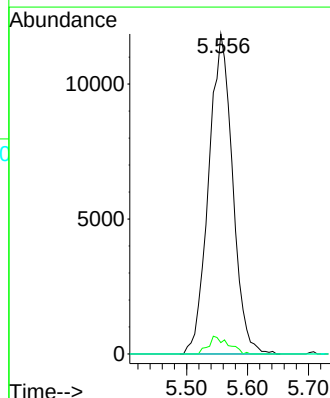
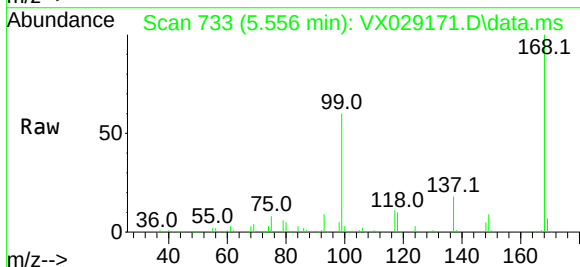
Tgt Ion: 117 Resp: 32438

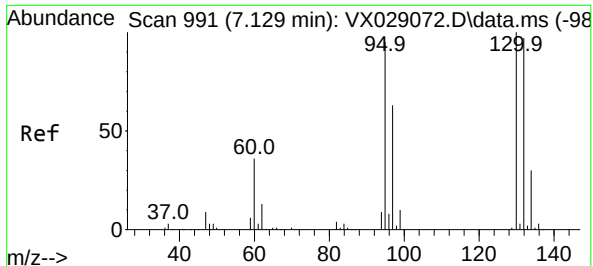
Ion Ratio Lower Upper

117 100

119 3.6 77.3 115.9#

121 0.0 24.2 36.2#

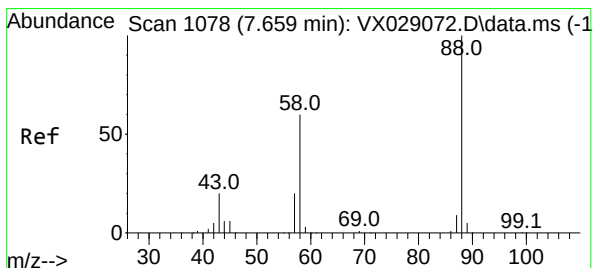
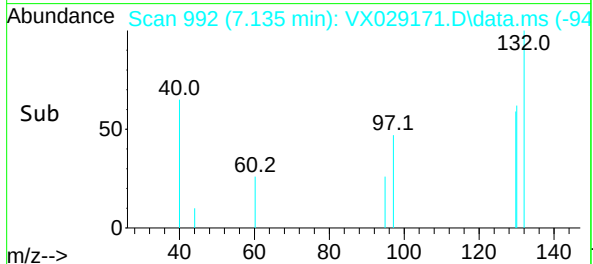
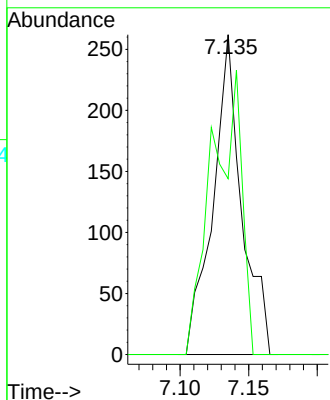
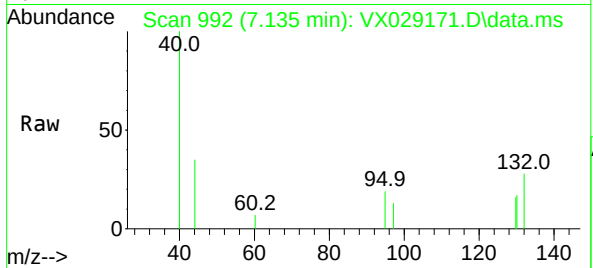




#44
Trichloroethene
Concen: Below Cal
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX029171.D
Acq: 03 Jun 2022 06:18

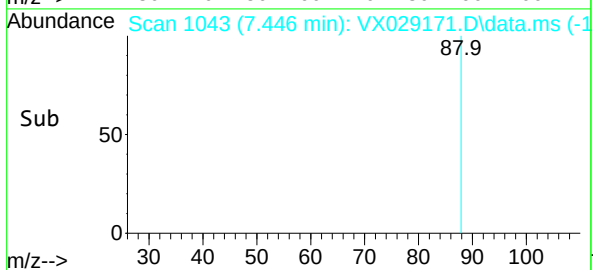
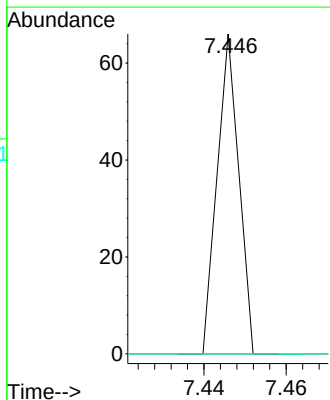
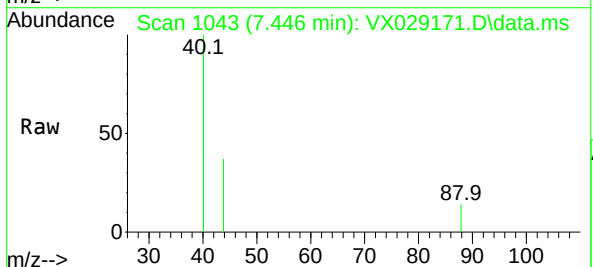
Instrument :
MSVOA_X
ClientSampleId :
34BR-20220531

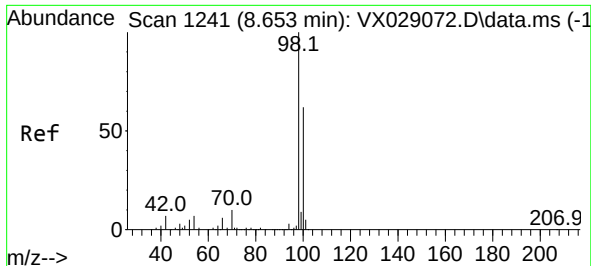
Tgt Ion:130 Resp: 381
Ion Ratio Lower Upper
130 100
95 55.0 0.0 188.8



#49
1,4-Dioxane
Concen: 0.217 ug/l
RT: 7.446 min Scan# 1043
Delta R.T. -0.213 min
Lab File: VX029171.D
Acq: 03 Jun 2022 06:18

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 0.0 21.9 32.9#
58 0.0 53.7 80.5#

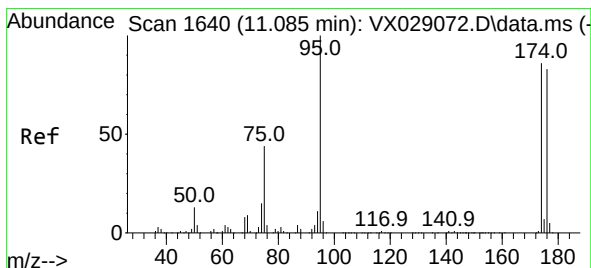
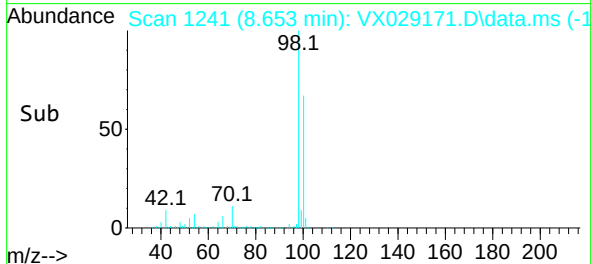
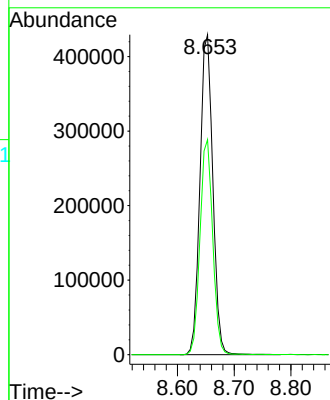
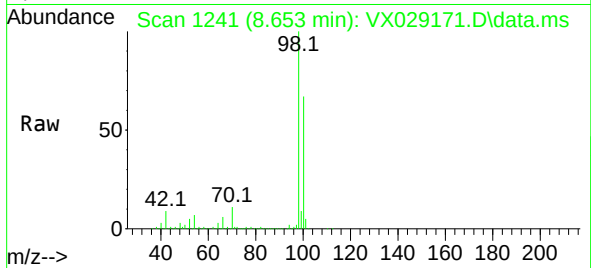




#50
Toluene-d8
Concen: 48.407 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029171.D
Acq: 03 Jun 2022 06:18

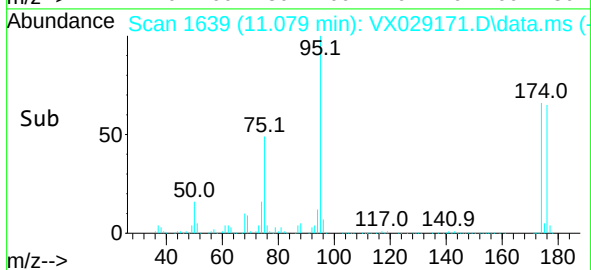
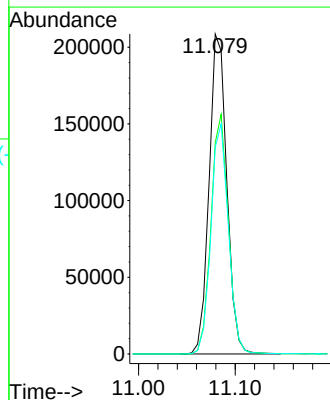
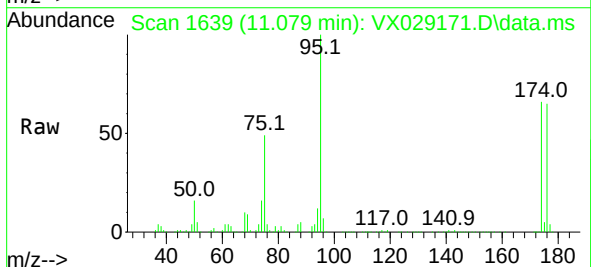
Instrument :
MSVOA_X
ClientSampleId :
34BR-20220531

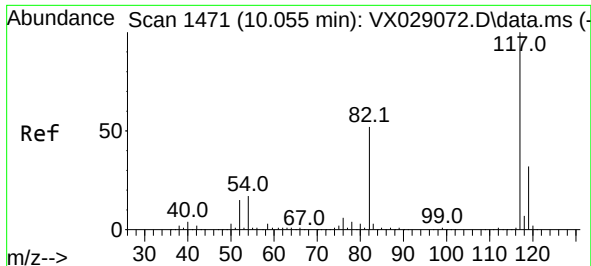
Tgt Ion: 98 Resp: 673012
Ion Ratio Lower Upper
98 100
100 66.5 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 49.432 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029171.D
Acq: 03 Jun 2022 06:18

Tgt Ion: 95 Resp: 265664
Ion Ratio Lower Upper
95 100
174 73.6 0.0 163.0
176 70.9 0.0 155.0

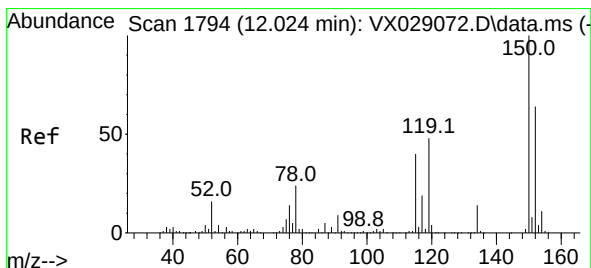
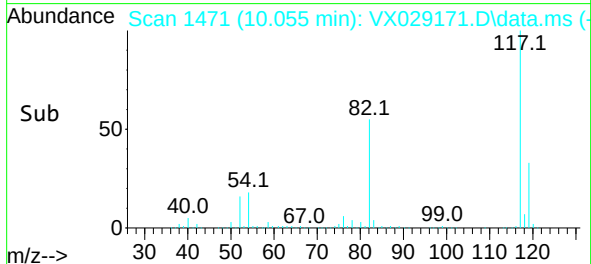
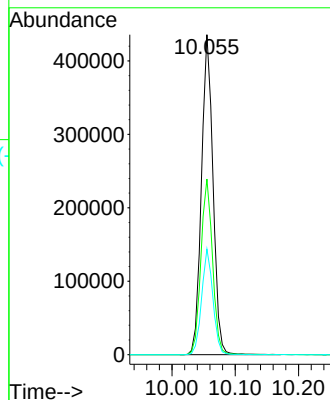
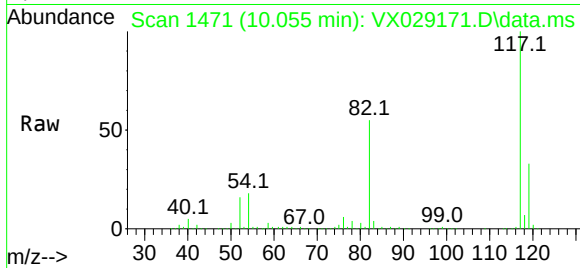




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029171.D
Acq: 03 Jun 2022 06:18

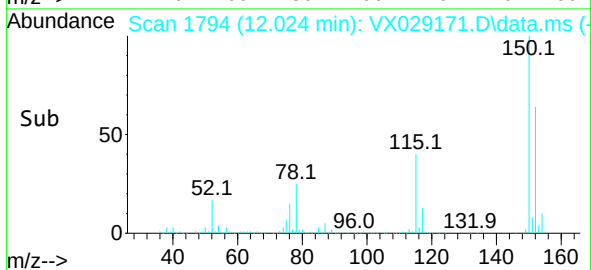
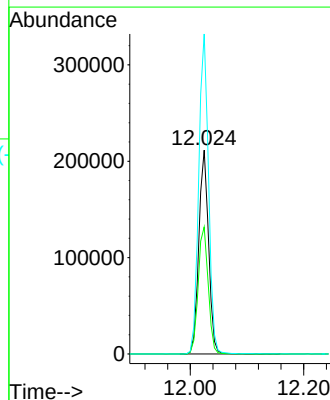
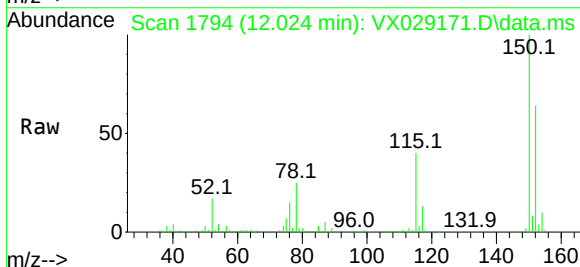
Instrument :
MSVOA_X
ClientSampleId :
34BR-20220531

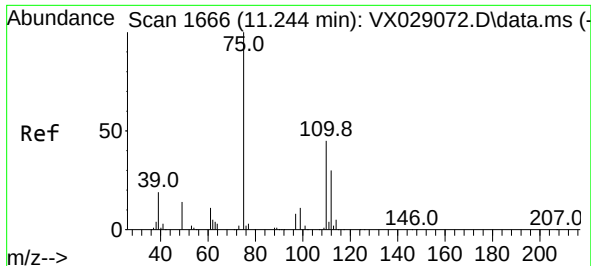
Tgt Ion:117 Resp: 554324
Ion Ratio Lower Upper
117 100
82 54.9 41.8 62.8
119 33.0 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029171.D
Acq: 03 Jun 2022 06:18

Tgt Ion:152 Resp: 252214
Ion Ratio Lower Upper
152 100
115 63.9 37.5 112.7
150 157.7 0.0 338.2

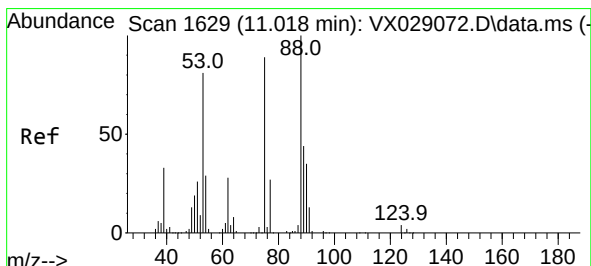
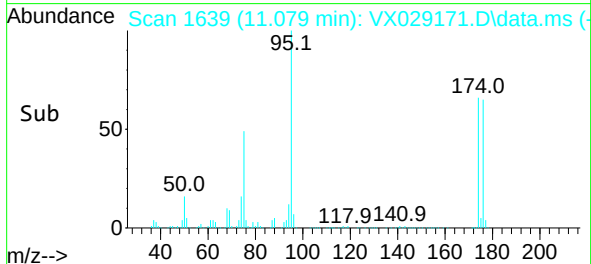
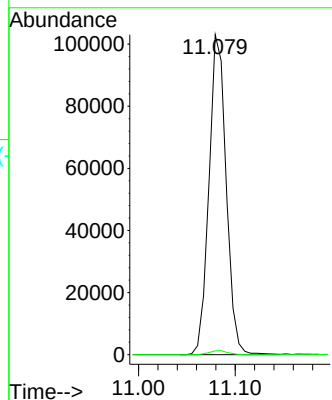
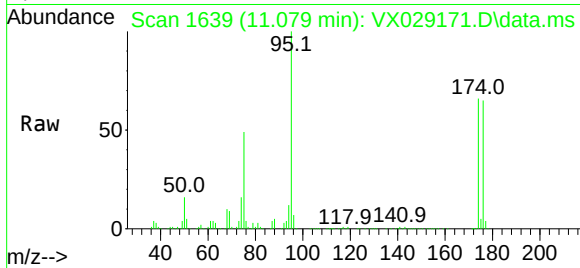




#76
1,2,3-Trichloropropane
Concen: 24.952 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029171.D
Acq: 03 Jun 2022 06:18

Instrument :
MSVOA_X
ClientSampleId :
34BR-20220531

Tgt Ion: 75 Resp: 127575
Ion Ratio Lower Upper
75 100
77 1.4 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.204 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029171.D
Acq: 03 Jun 2022 06:18

Tgt Ion: 75 Resp: 127575
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

