

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060322\
 Data File : VX029225.D
 Acq On : 04 Jun 2022 05:12
 Operator : JC/MD
 Sample : N3164-19 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 41BR-20220531

Quant Time: Jun 06 02:41:08 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	315893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	596726	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	582354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	268473	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	215047	60.370	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	120.740%
35) Dibromofluoromethane	5.391	113	200619	50.615	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.240%
50) Toluene-d8	8.653	98	712920	49.179	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.360%
62) 4-Bromofluorobenzene	11.079	95	279590	49.894	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.780%

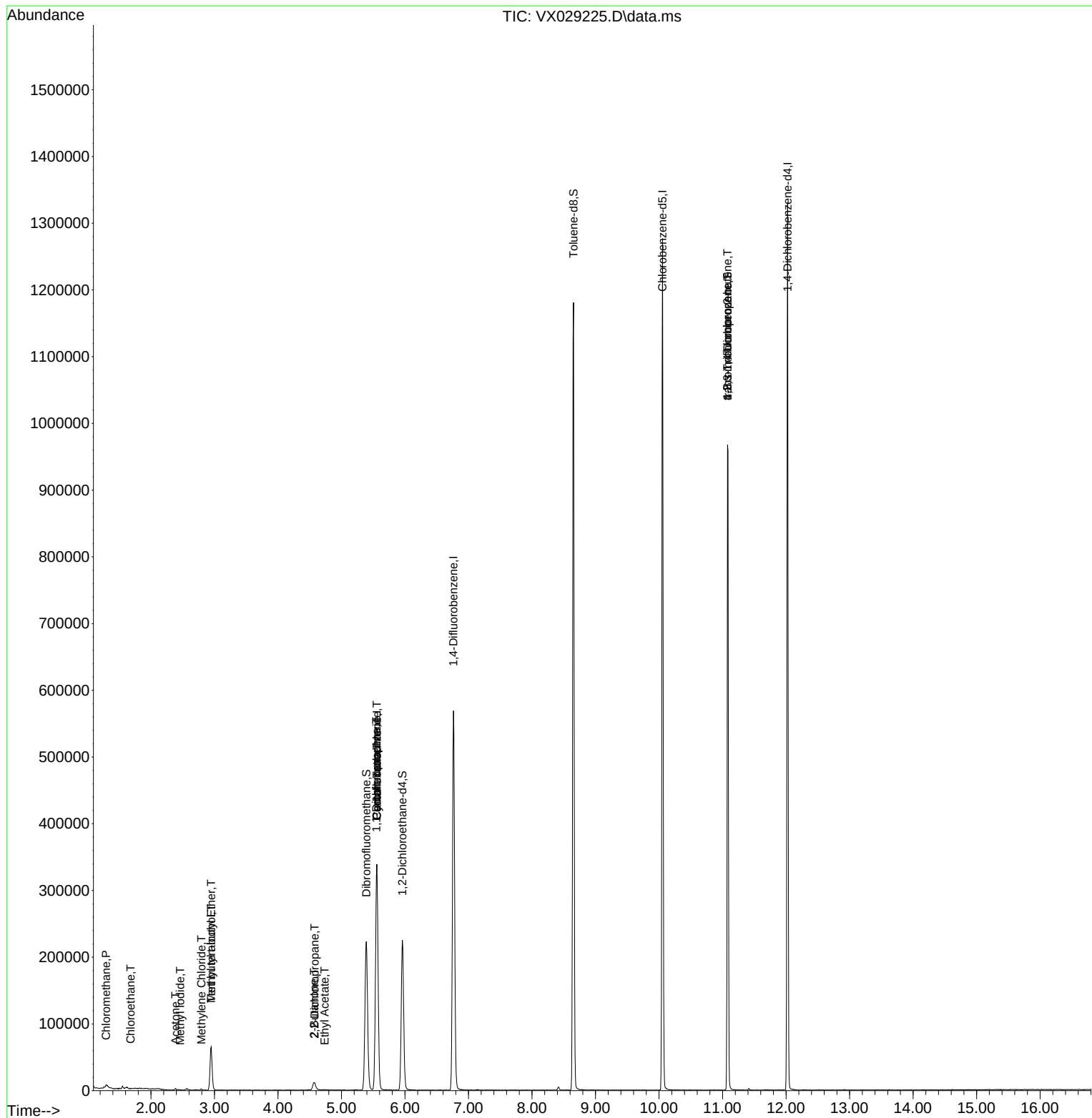
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.294	50	625	0.217	ug/l #	61
5) Bromomethane	1.618	94	732	Below Cal		93
6) Chloroethane	1.679	64	142	1.455	ug/l #	43
10) Methyl Iodide	2.459	142	303	4.305	ug/l #	87
11) Tert butyl alcohol	2.947	59	37591	45.554	ug/l #	76
16) Acetone	2.386	43	2157	1.538	ug/l	89
19) Methyl tert-butyl Ether	2.947	73	1986	0.206	ug/l #	75
20) Methylene Chloride	2.794	84	775	0.237	ug/l #	88
25) 2-Butanone	4.568	43	963	0.426	ug/l #	44
26) 2,2-Dichloropropane	4.574	77	1009	0.232	ug/l #	52
31) Cyclohexane	5.556	56	6256	1.351	ug/l #	5
36) 1,1-Dichloropropene	5.550	75	23808	4.668	ug/l #	49
37) Ethyl Acetate	4.733	43	1362	0.276	ug/l #	78
38) Carbon Tetrachloride	5.556	117	33951	5.825	ug/l #	14
44) Trichloroethene	7.141	130	211	Below Cal		42
76) 1,2,3-Trichloropropane	11.079	75	136627	25.104	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	136627	73.651	ug/l #	15

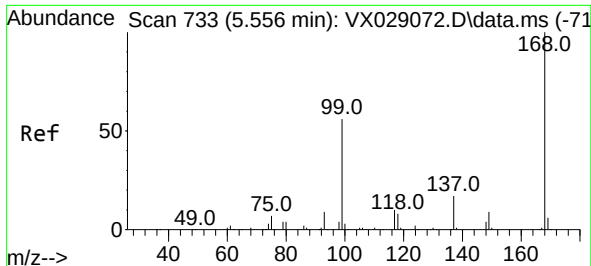
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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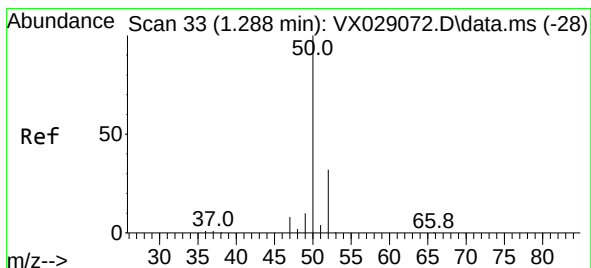
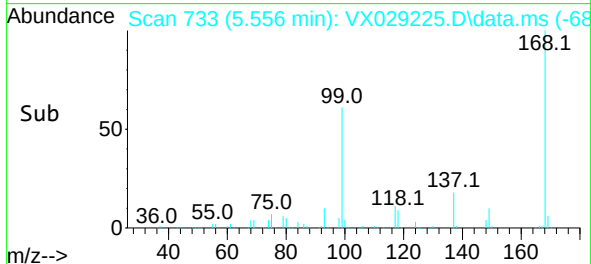
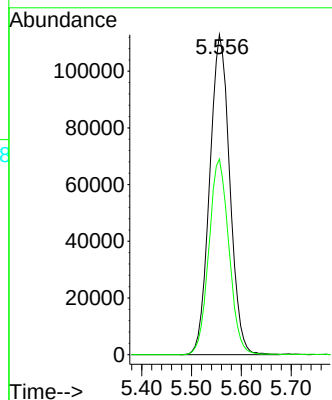
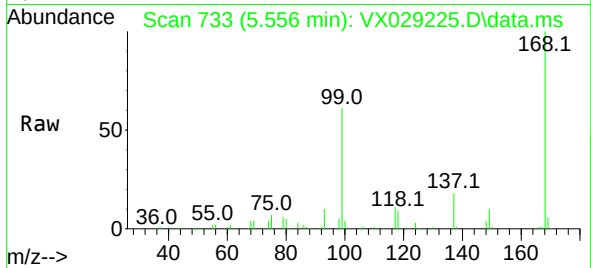




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029225.D
Acq: 04 Jun 2022 05:12

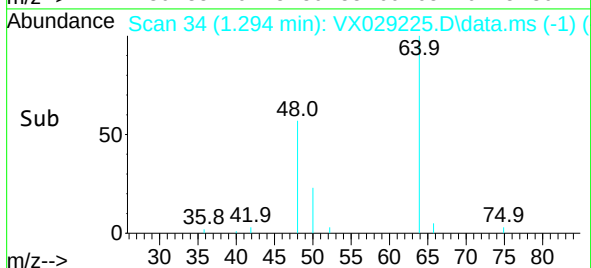
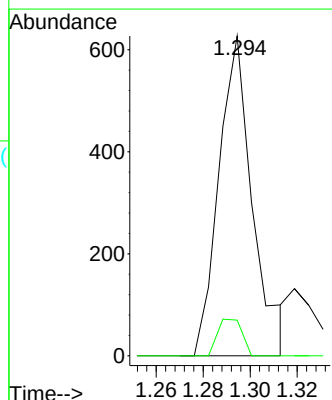
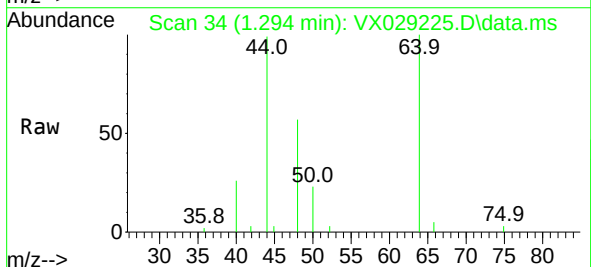
Instrument :
MSVOA_X
ClientSampleId :
41BR-20220531

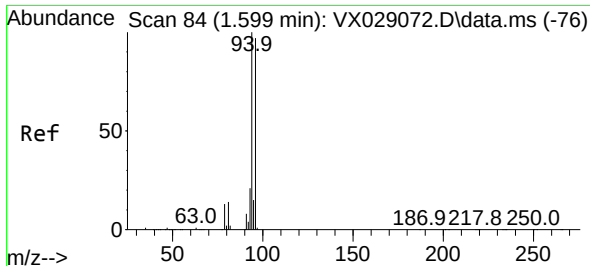
Tgt Ion:168 Resp: 315893
Ion Ratio Lower Upper
168 100
99 61.1 41.7 62.5



#3
Chloromethane
Concen: 0.217 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029225.D
Acq: 04 Jun 2022 05:12

Tgt Ion: 50 Resp: 625
Ion Ratio Lower Upper
50 100
52 11.2 26.4 39.6#

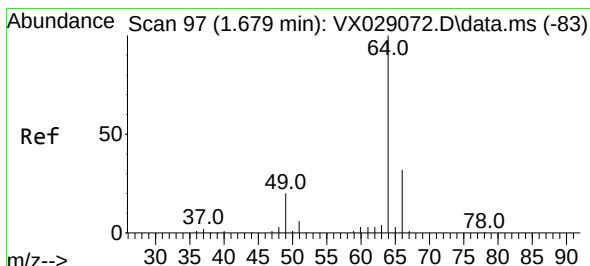
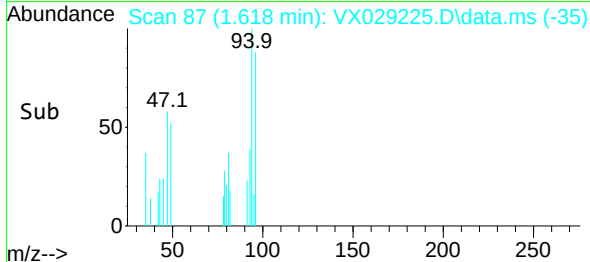
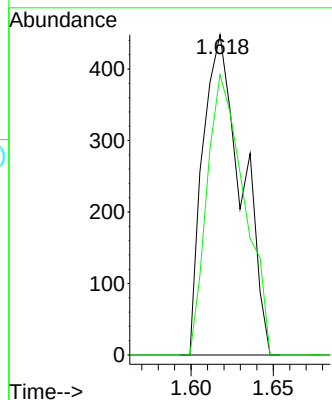
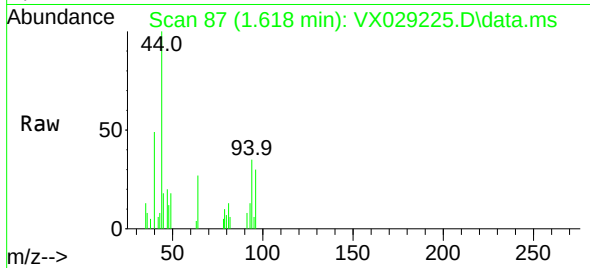




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX029225.D
Acq: 04 Jun 2022 05:12

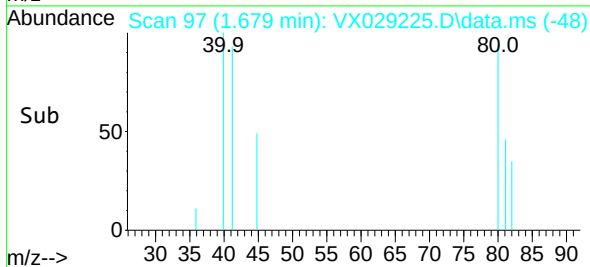
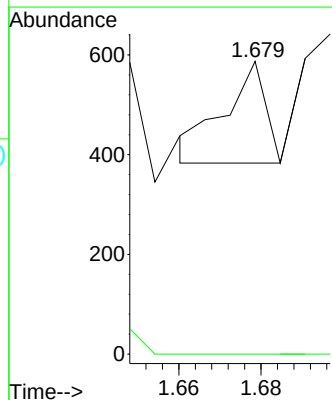
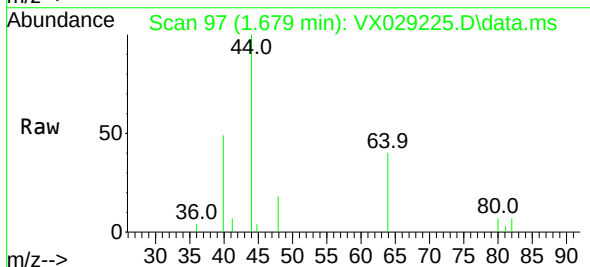
Instrument :
MSVOA_X
ClientSampleId :
41BR-20220531

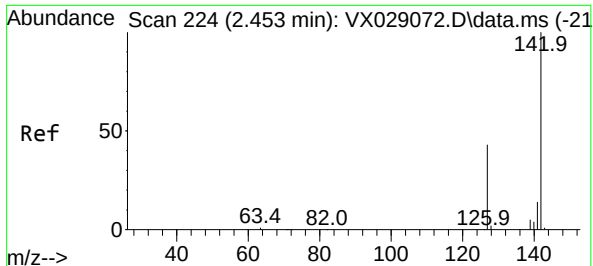
Tgt Ion: 94 Resp: 732
Ion Ratio Lower Upper
94 100
96 87.5 75.3 112.9



#6
Chloroethane
Concen: 1.455 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX029225.D
Acq: 04 Jun 2022 05:12

Tgt Ion: 64 Resp: 142
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

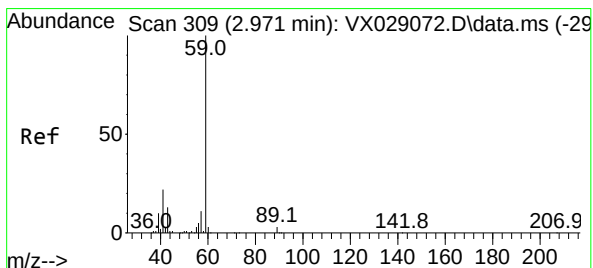
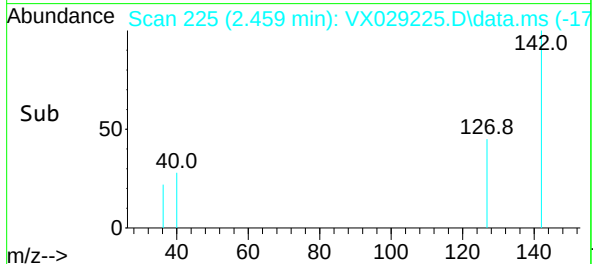
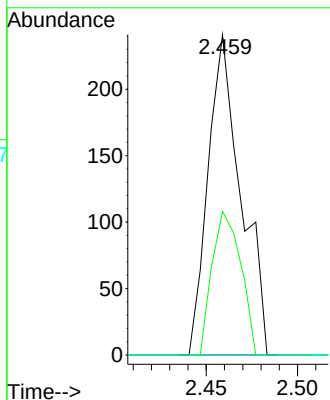
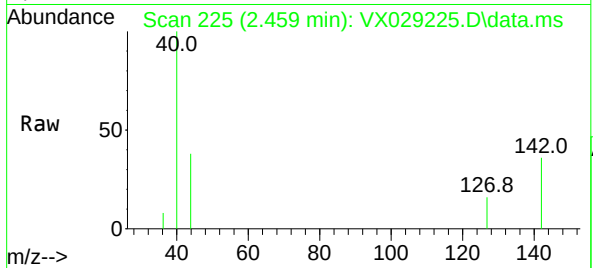




#10
Methyl Iodide
Concen: 4.305 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029225.D
Acq: 04 Jun 2022 05:12

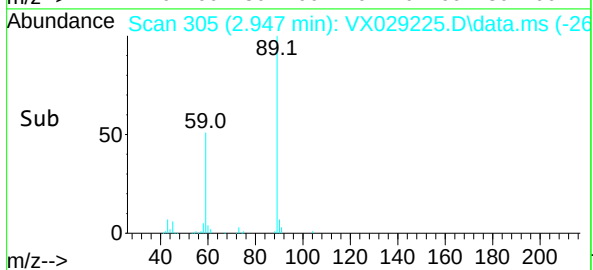
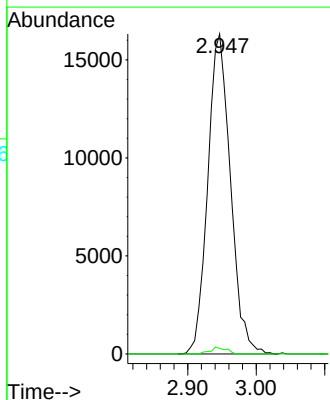
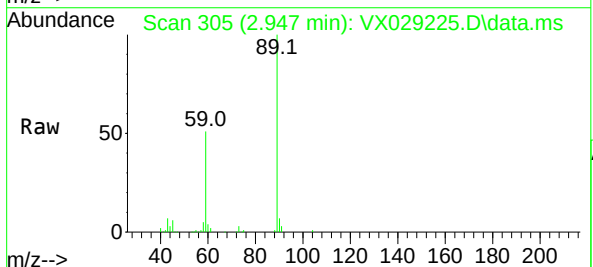
Instrument :
MSVOA_X
ClientSampleId :
41BR-20220531

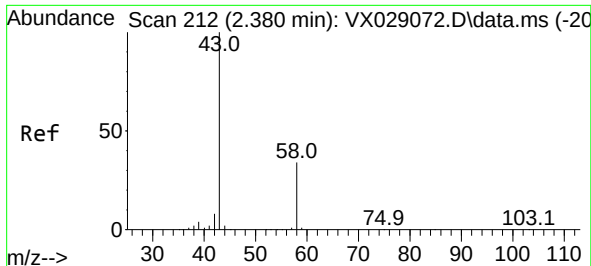
Tgt Ion:142 Resp: 303
Ion Ratio Lower Upper
142 100
127 38.9 33.9 50.9
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 45.554 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX029225.D
Acq: 04 Jun 2022 05:12

Tgt Ion: 59 Resp: 37591
Ion Ratio Lower Upper
59 100
57 1.5 8.3 12.5#

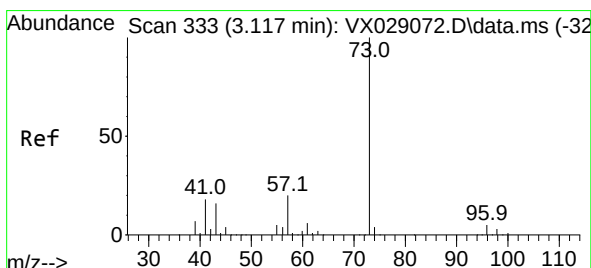
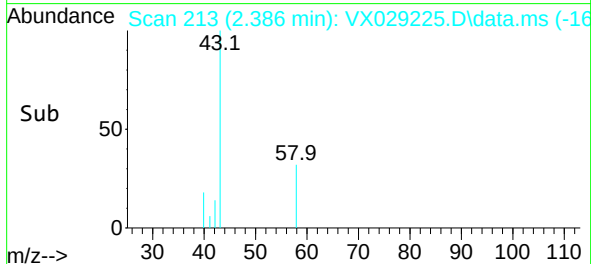
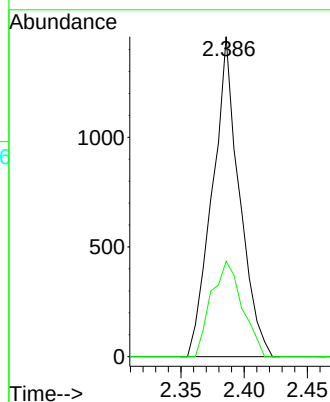
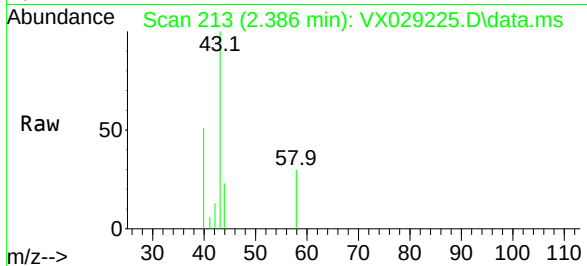




#16
Acetone
Concen: 1.538 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029225.D
Acq: 04 Jun 2022 05:12

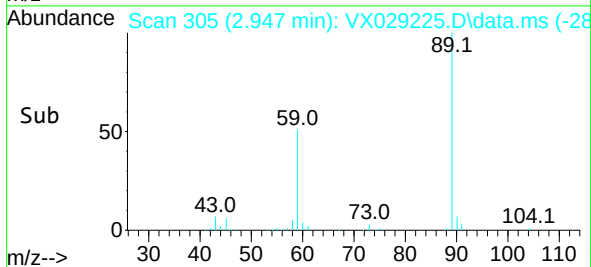
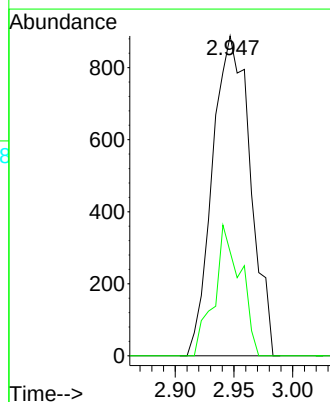
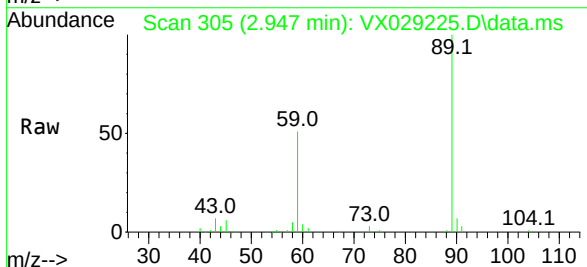
Instrument :
MSVOA_X
ClientSampleId :
41BR-20220531

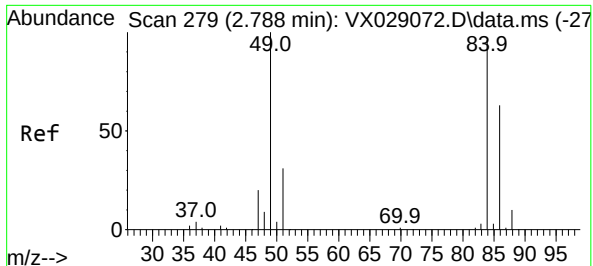
Tgt Ion: 43 Resp: 2157
Ion Ratio Lower Upper
43 100
58 29.8 28.8 43.2



#19
Methyl tert-butyl Ether
Concen: 0.206 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.170 min
Lab File: VX029225.D
Acq: 04 Jun 2022 05:12

Tgt Ion: 73 Resp: 1986
Ion Ratio Lower Upper
73 100
57 32.5 16.8 25.2#





#20

Methylene Chloride

Concen: 0.237 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX029225.D

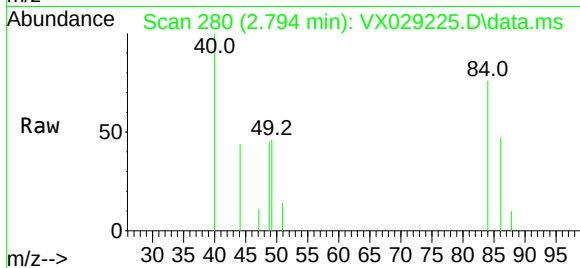
Acq: 04 Jun 2022 05:12

Instrument :

MSVOA_X

ClientSampleId :

41BR-20220531



Tgt Ion: 84 Resp: 775

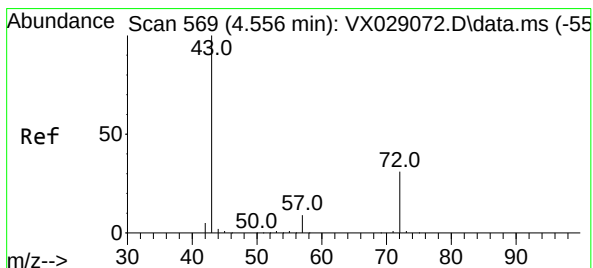
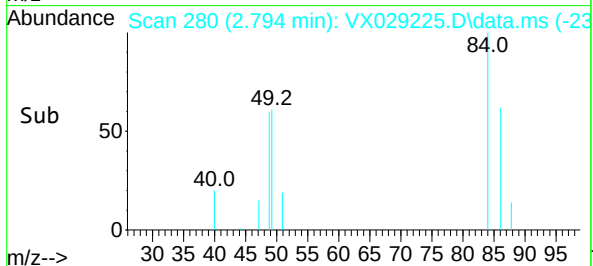
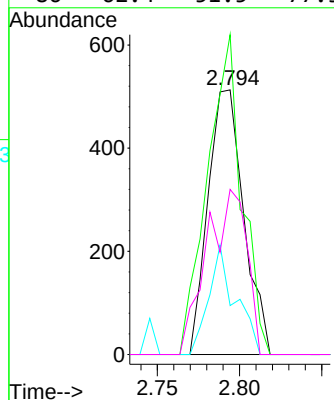
Ion Ratio Lower Upper

84 100

49 120.9 85.5 128.3

51 18.5 26.6 39.8#

86 62.4 51.5 77.3



#25

2-Butanone

Concen: 0.426 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.012 min

Lab File: VX029225.D

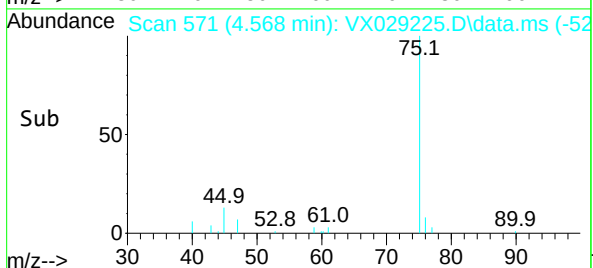
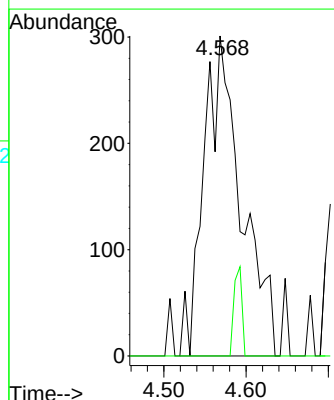
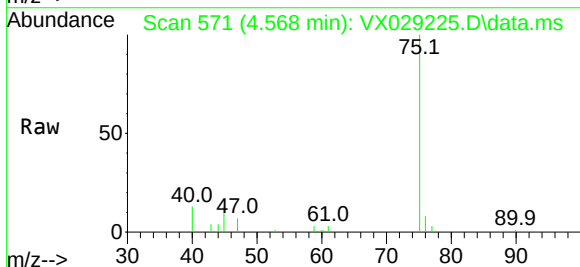
Acq: 04 Jun 2022 05:12

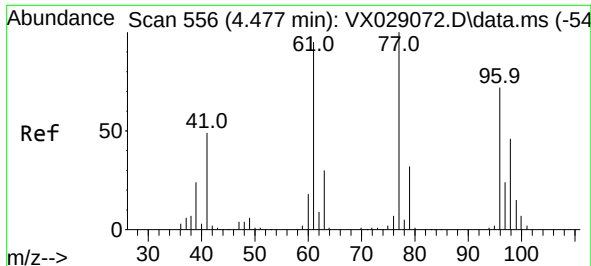
Tgt Ion: 43 Resp: 963

Ion Ratio Lower Upper

43 100

72 0.0 24.4 36.6#





#26

2,2-Dichloropropane

Concen: 0.232 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.097 min

Lab File: VX029225.D

Acq: 04 Jun 2022 05:12

Instrument :

MSVOA_X

ClientSampleId :

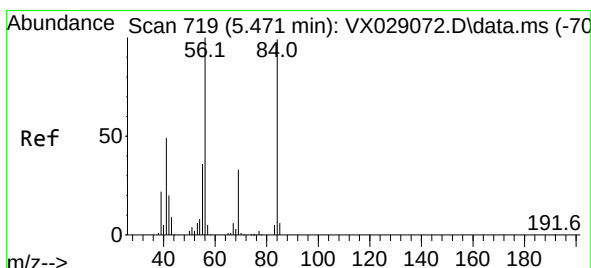
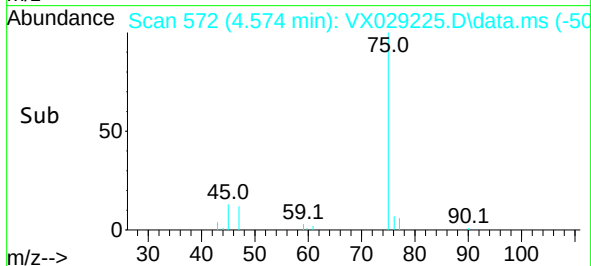
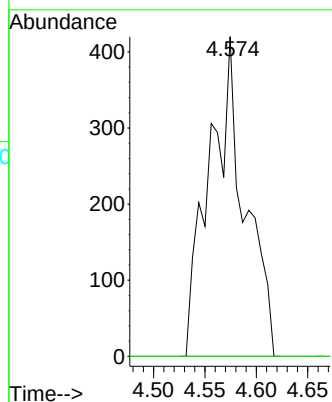
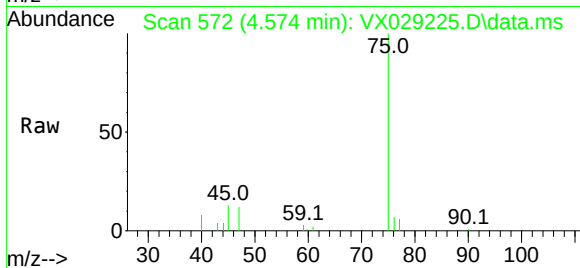
41BR-20220531

Tgt Ion: 77 Resp: 1009

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



#31

Cyclohexane

Concen: 1.351 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX029225.D

Acq: 04 Jun 2022 05:12

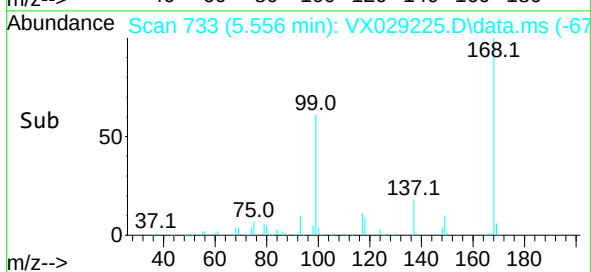
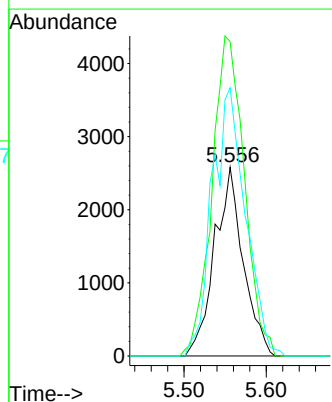
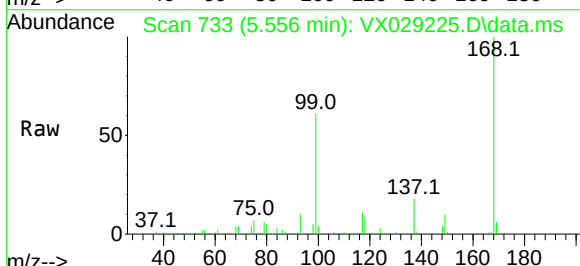
Tgt Ion: 56 Resp: 6256

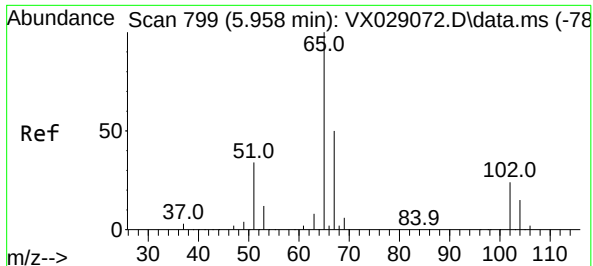
Ion Ratio Lower Upper

56 100

69 166.6 26.7 40.1#

84 142.1 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 60.370 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029225.D

Acq: 04 Jun 2022 05:12

Instrument :

MSVOA_X

ClientSampleId :

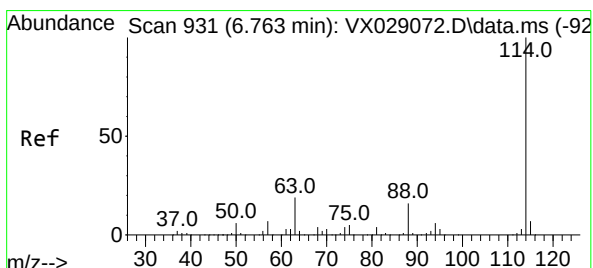
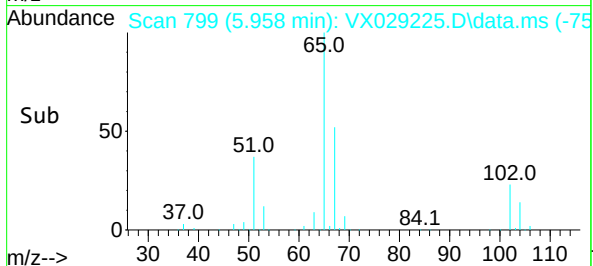
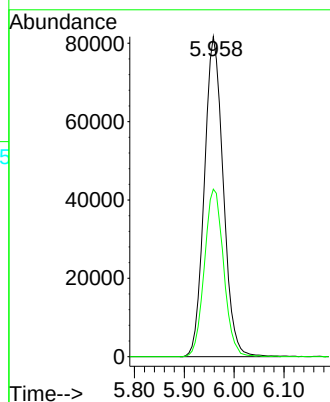
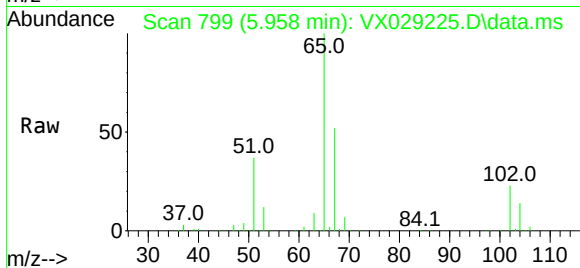
41BR-20220531

Tgt Ion: 65 Resp: 215047

Ion Ratio Lower Upper

65 100

67 53.2 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: VX029225.D

Acq: 04 Jun 2022 05:12

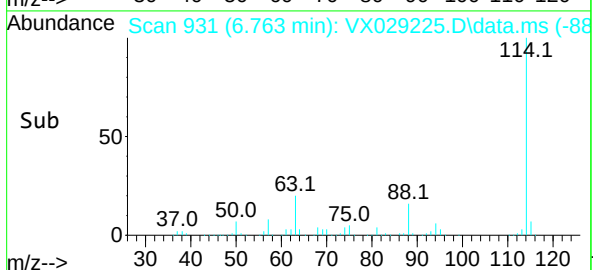
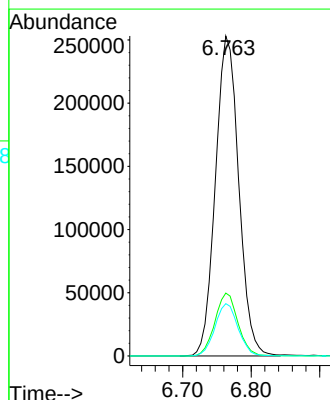
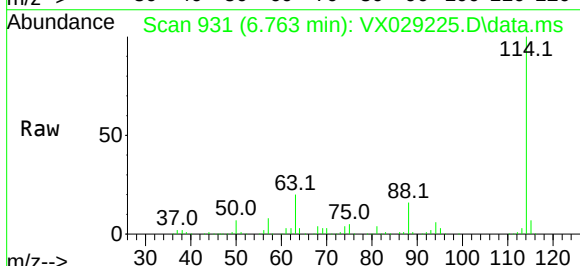
Tgt Ion: 114 Resp: 596726

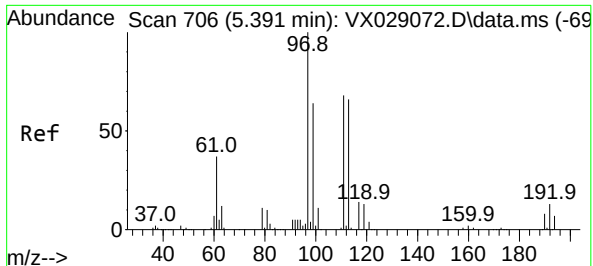
Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.8

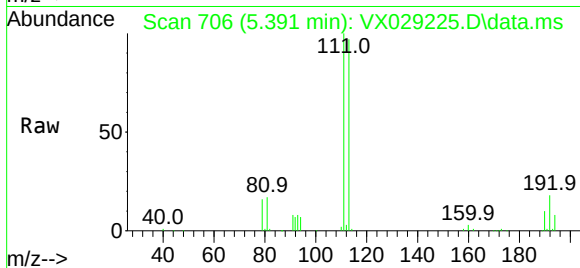
88 16.4 0.0 32.4



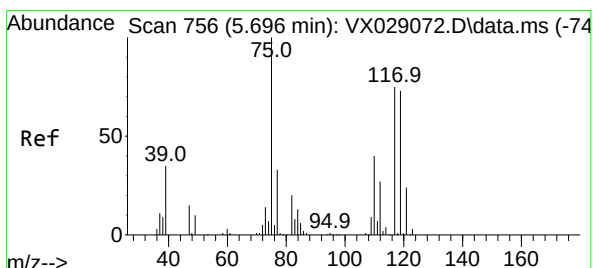
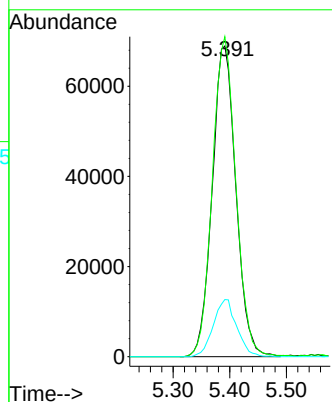
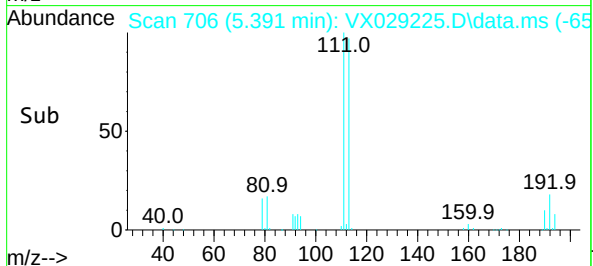


#35
Dibromofluoromethane
Concen: 50.615 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029225.D
Acq: 04 Jun 2022 05:12

Instrument :
MSVOA_X
ClientSampleId :
41BR-20220531

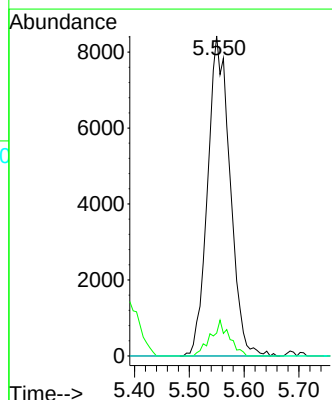
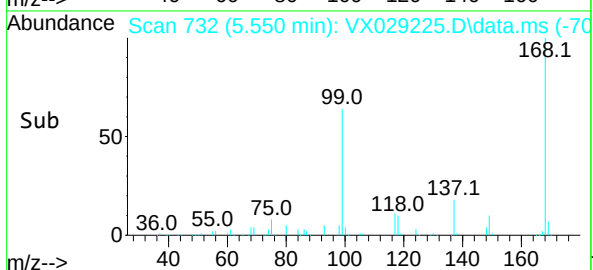
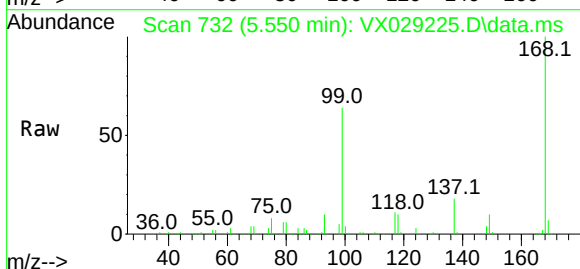


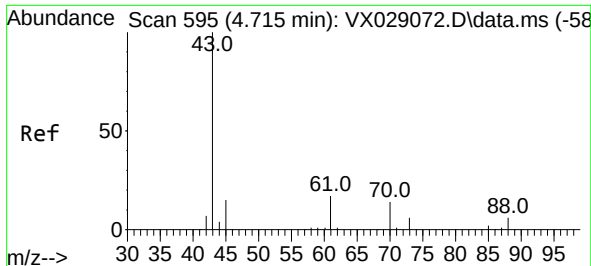
Tgt Ion:113 Resp: 200619
Ion Ratio Lower Upper
113 100
111 102.0 82.8 124.2
192 18.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.668 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX029225.D
Acq: 04 Jun 2022 05:12

Tgt Ion: 75 Resp: 23808
Ion Ratio Lower Upper
75 100
110 9.2 18.3 54.8#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.276 ug/l

RT: 4.733 min Scan# 595

Delta R.T. 0.018 min

Lab File: VX029225.D

Acq: 04 Jun 2022 05:12

Instrument :

MSVOA_X

ClientSampleId :

41BR-20220531

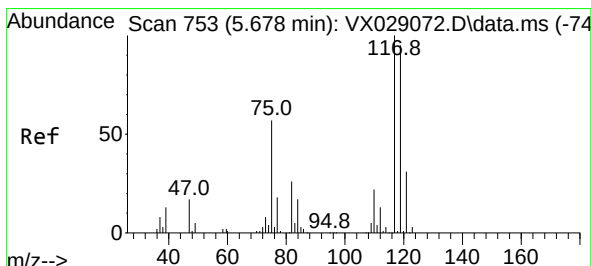
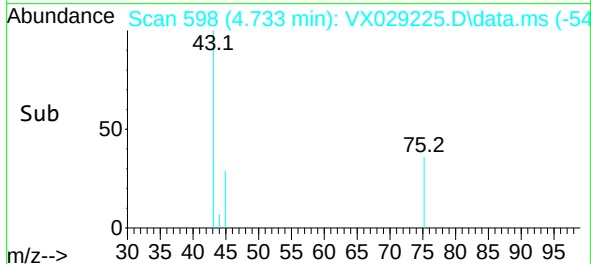
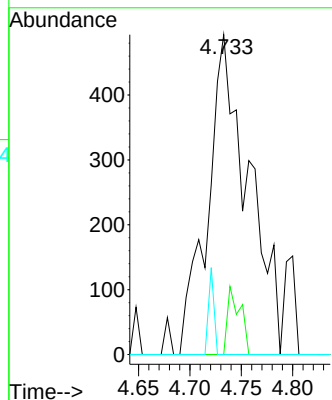
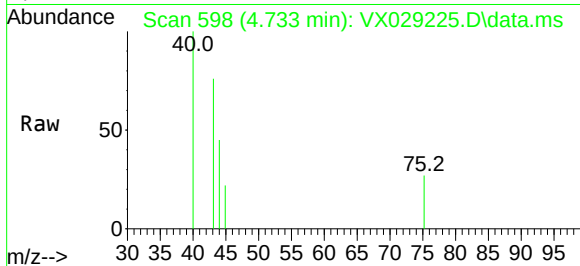
Tgt Ion: 43 Resp: 1362

Ion Ratio Lower Upper

43 100

61 6.5 12.6 19.0#

70 3.6 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 5.825 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX029225.D

Acq: 04 Jun 2022 05:12

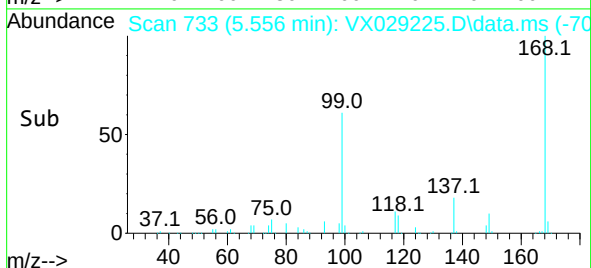
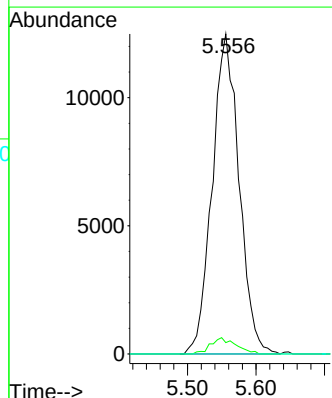
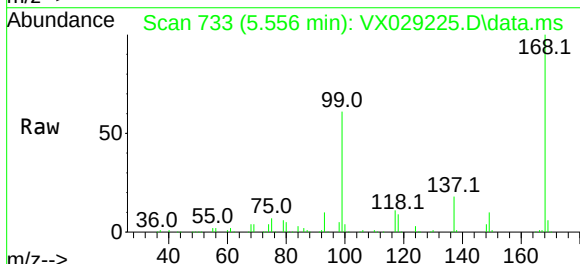
Tgt Ion: 117 Resp: 33951

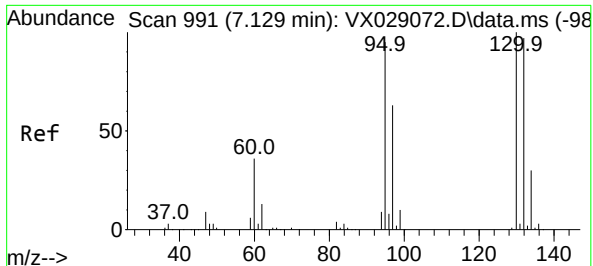
Ion Ratio Lower Upper

117 100

119 3.6 77.3 115.9#

121 0.0 24.2 36.2#

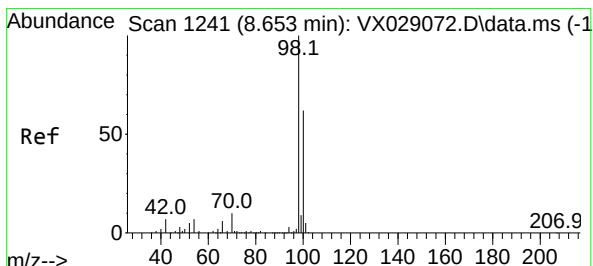
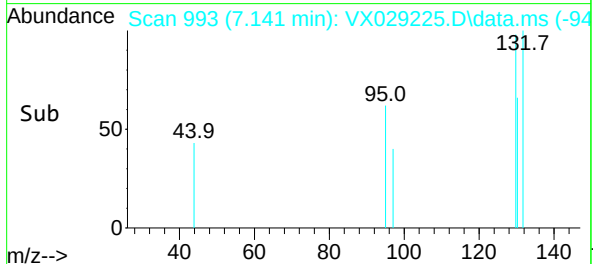
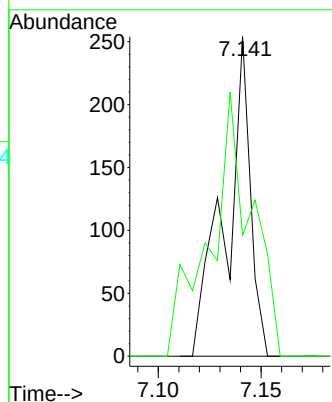
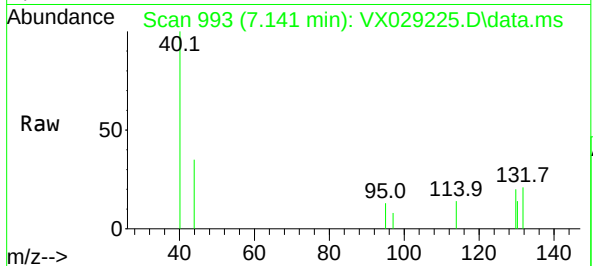




#44
Trichloroethene
Concen: Below Cal
RT: 7.141 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX029225.D
Acq: 04 Jun 2022 05:12

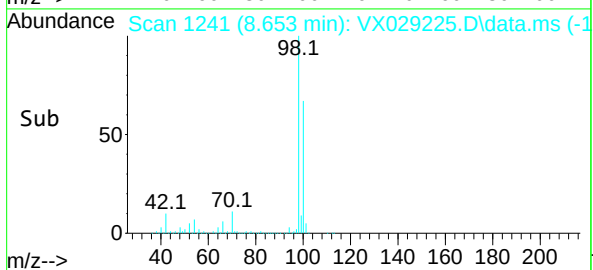
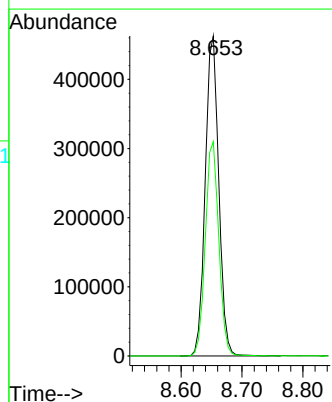
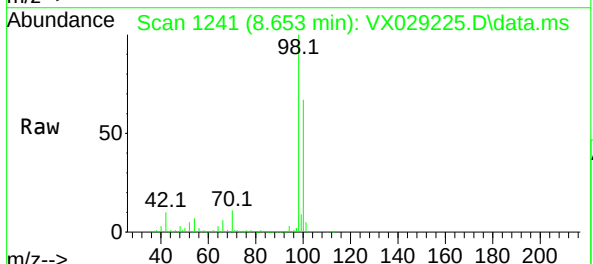
Instrument :
MSVOA_X
ClientSampleId :
41BR-20220531

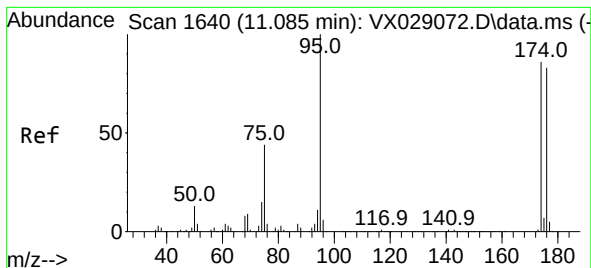
Tgt Ion:130 Resp: 211
Ion Ratio Lower Upper
130 100
95 37.8 0.0 188.8



#50
Toluene-d8
Concen: 49.179 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029225.D
Acq: 04 Jun 2022 05:12

Tgt Ion: 98 Resp: 712920
Ion Ratio Lower Upper
98 100
100 66.9 52.6 78.8

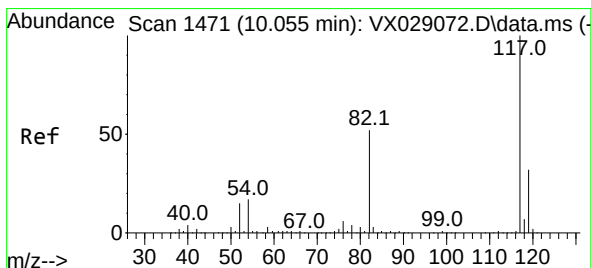
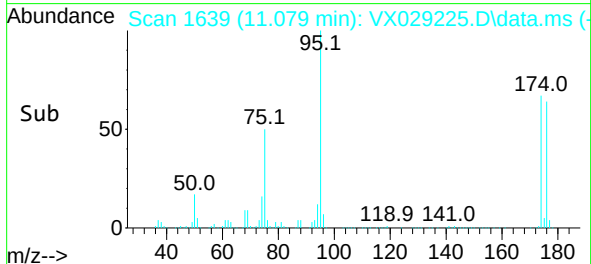
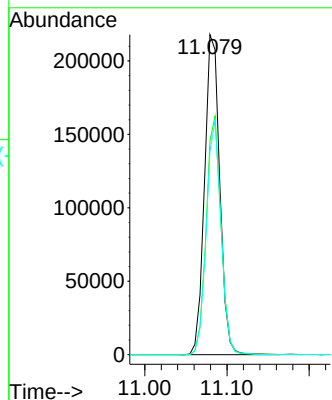
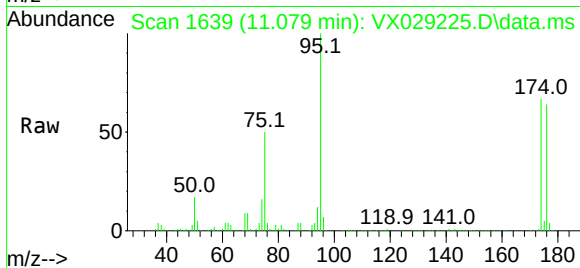




#62
4-Bromofluorobenzene
Concen: 49.894 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029225.D
Acq: 04 Jun 2022 05:12

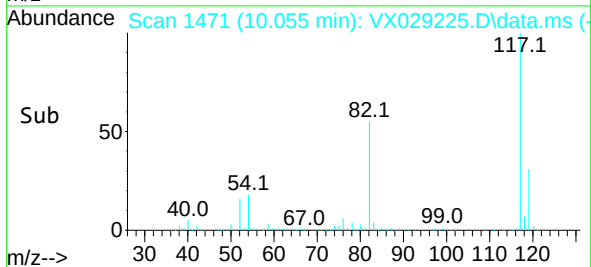
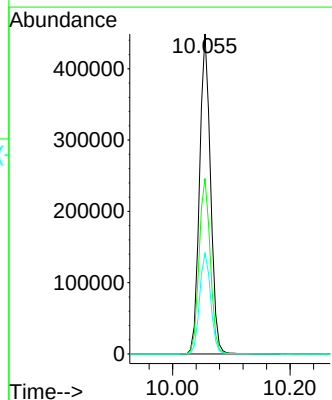
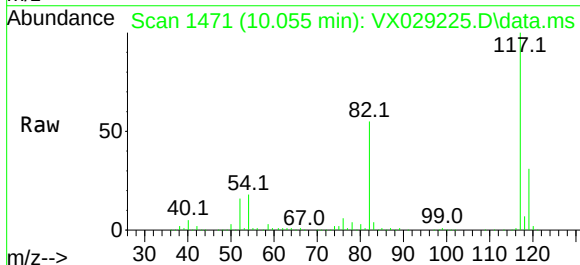
Instrument :
MSVOA_X
ClientSampleId :
41BR-20220531

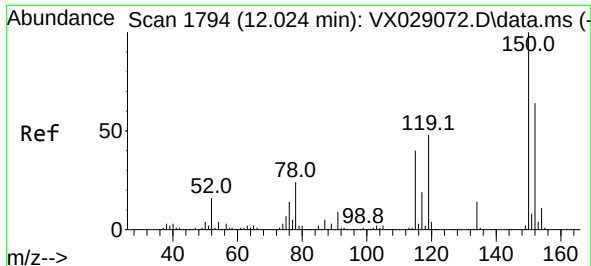
Tgt Ion: 95 Resp: 279590
Ion Ratio Lower Upper
95 100
174 72.7 0.0 163.0
176 70.9 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029225.D
Acq: 04 Jun 2022 05:12

Tgt Ion: 117 Resp: 582354
Ion Ratio Lower Upper
117 100
82 54.9 41.8 62.8
119 31.5 24.8 37.2

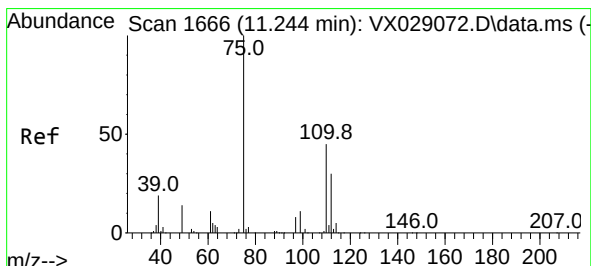
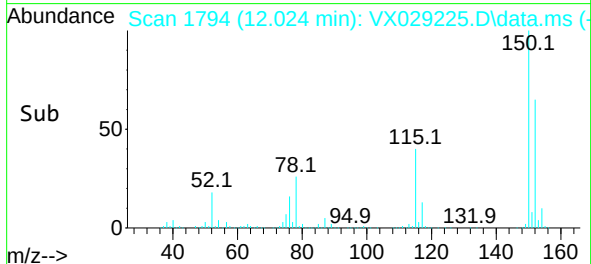
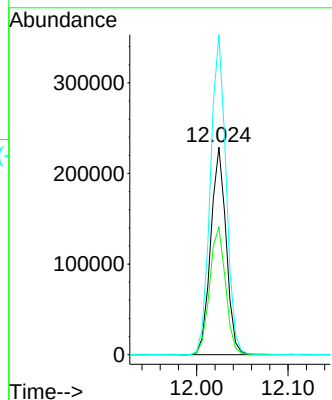
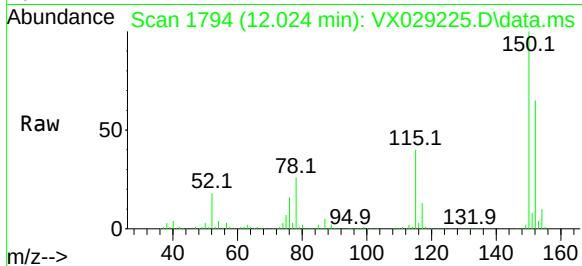




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029225.D
Acq: 04 Jun 2022 05:12

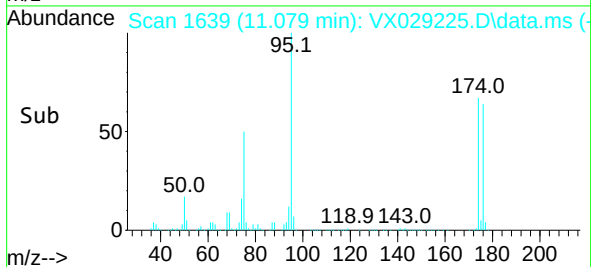
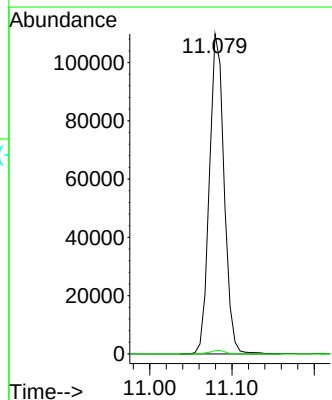
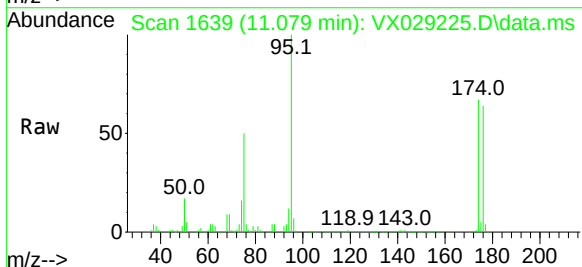
Instrument :
MSVOA_X
ClientSampleId :
41BR-20220531

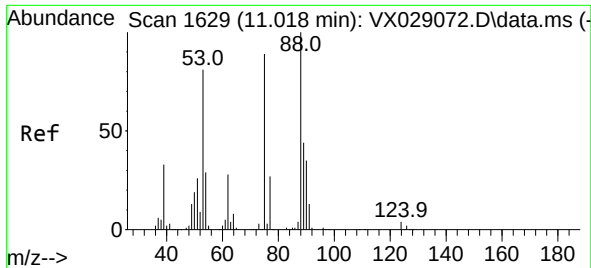
Tgt Ion:152 Resp: 268473
Ion Ratio Lower Upper
152 100
115 63.4 37.5 112.7
150 156.3 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 25.104 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029225.D
Acq: 04 Jun 2022 05:12

Tgt Ion: 75 Resp: 136627
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.651 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029225.D
 Acq: 04 Jun 2022 05:12

Instrument :
 MSVOA_X
 ClientSampleId :
 41BR-20220531

Tgt Ion: 75 Resp: 136627
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

