

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060822\
 Data File : VX029322.D
 Acq On : 08 Jun 2022 15:37
 Operator : JC/MD
 Sample : N3189-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 09 07:00:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 08 03:00:38 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

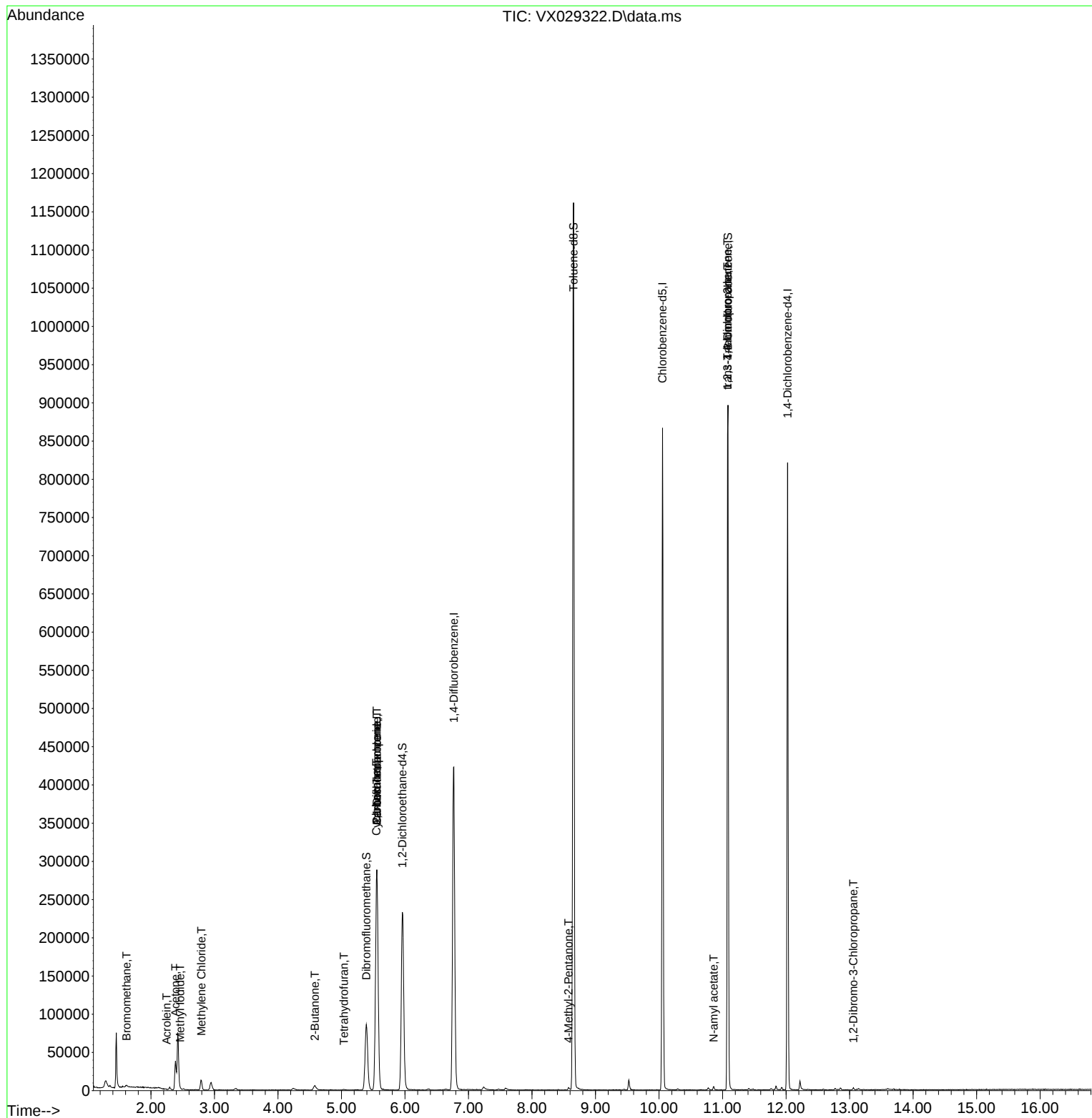
Internal Standards						
1) Pentafluorobenzene	5.556	168	266012	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	443797	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	384491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	161582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	230652	57.214	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 114.420%	
35) Dibromofluoromethane	5.391	113	77105	20.437	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 40.880%#	
50) Toluene-d8	8.653	98	690170	51.723	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.440%	
62) 4-Bromofluorobenzene	11.085	95	255105	48.853	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 97.700%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	855	0.341	ug/l	# 63
6) Chloroethane	1.697	64	717	Below Cal	#	43
10) Methyl Iodide	2.459	142	489	1.329	ug/l	# 80
11) Tert butyl alcohol	2.947	59	5696	Below Cal	#	73
13) Acrolein	2.246	56	492	1.002	ug/l	# 78
16) Acetone	2.386	43	40103	18.636	ug/l	95
20) Methylene Chloride	2.794	84	6294	1.310	ug/l	87
25) 2-Butanone	4.581	43	7761	2.280	ug/l	# 86
29) Tetrahydrofuran	5.038	42	566	0.255	ug/l	# 54
31) Cyclohexane	5.550	56	5322	0.738	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	21377	3.430	ug/l	# 49
38) Carbon Tetrachloride	5.556	117	28146	4.418	ug/l	# 16
41) Methacrylonitrile	5.044	41	300	Below Cal	#	25
51) 4-Methyl-2-Pentanone	8.574	43	1855	0.293	ug/l	95
74) N-amyl acetate	10.860	43	864	0.201	ug/l	# 42
76) 1,2,3-Trichloropropane	11.079	75	128728	34.108	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	128728	103.604	ug/l	# 15
92) 1,2-Dibromo-3-Chloropr...	13.061	75	840	0.941	ug/l	# 1

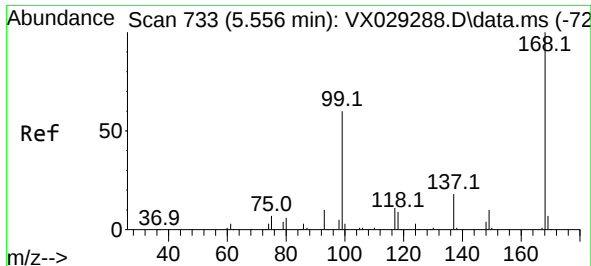
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 08 03:00:38 2022
Response via : Initial Calibration

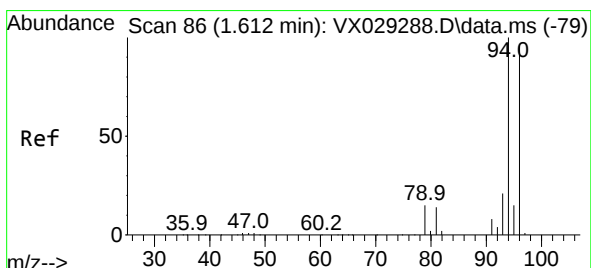
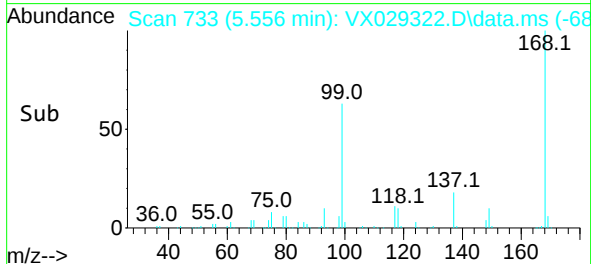
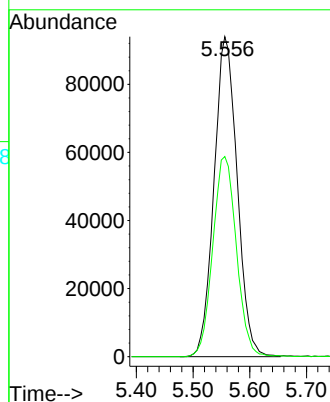
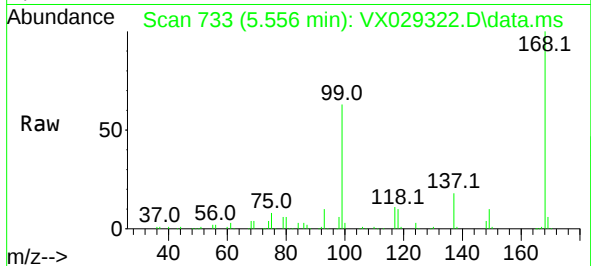




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029322.D
Acq: 08 Jun 2022 15:37

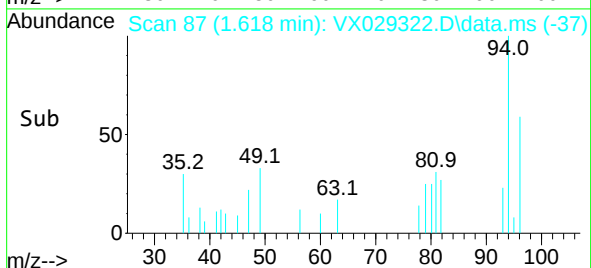
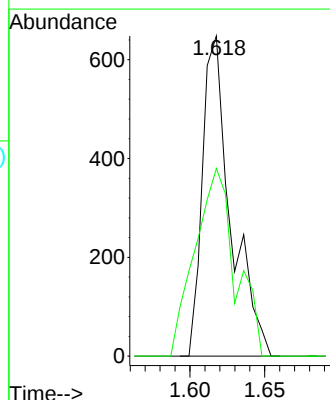
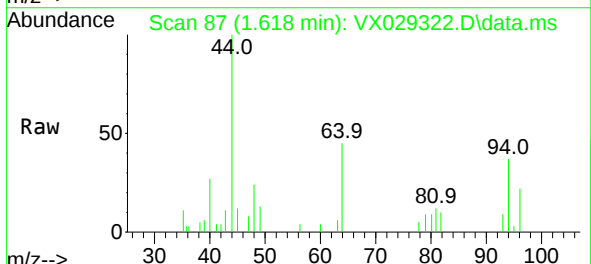
Instrument :
MSVOA_X
ClientSampleId :

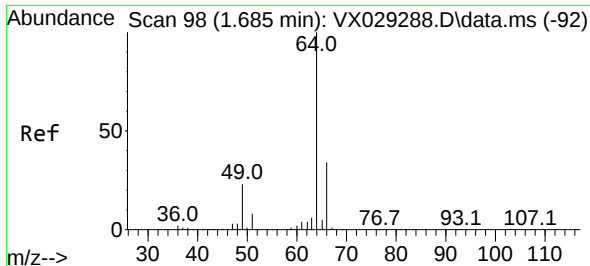
Tgt Ion:168 Resp: 266012
Ion Ratio Lower Upper
168 100
99 62.5 41.7 62.5#



#5
Bromomethane
Concen: 0.341 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX029322.D
Acq: 08 Jun 2022 15:37

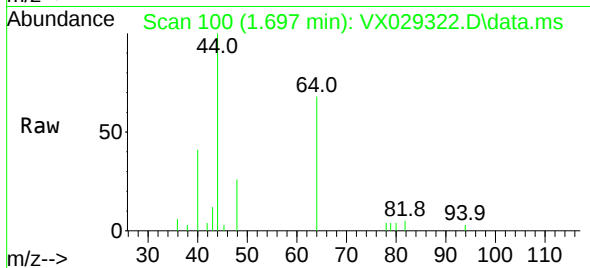
Tgt Ion: 94 Resp: 855
Ion Ratio Lower Upper
94 100
96 58.6 75.3 112.9#



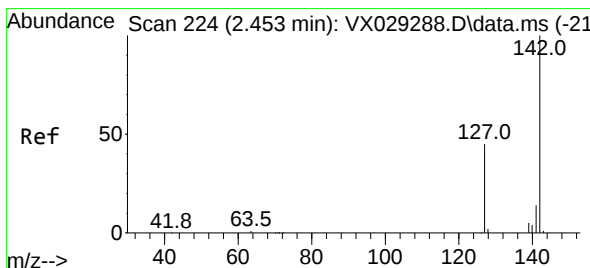
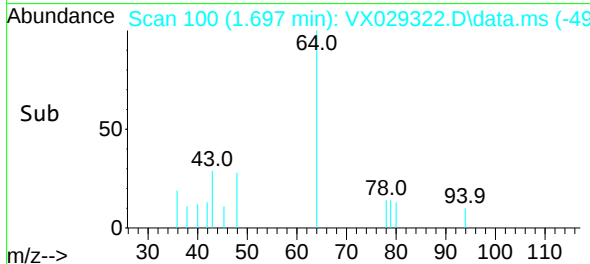
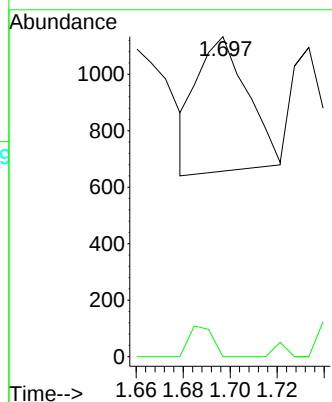


#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX029322.D
Acq: 08 Jun 2022 15:37

Instrument :
MSVOA_X
ClientSampleId :

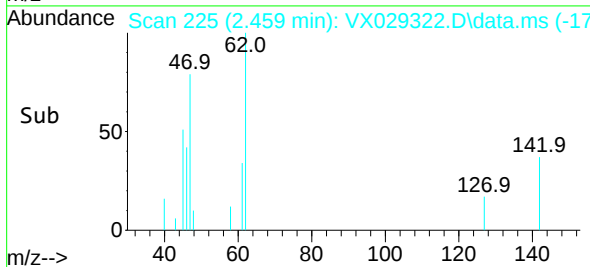
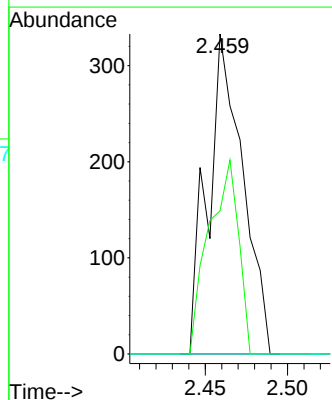
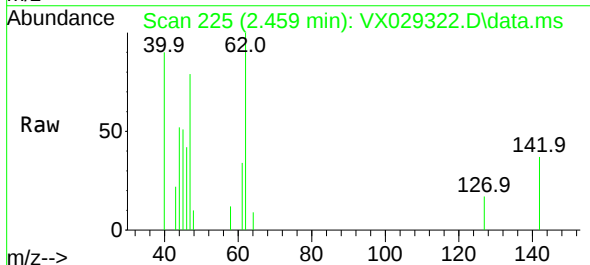


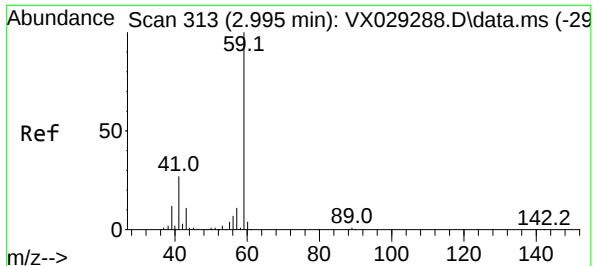
Tgt Ion: 64 Resp: 717
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 1.329 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029322.D
Acq: 08 Jun 2022 15:37

Tgt Ion: 142 Resp: 489
Ion Ratio Lower Upper
142 100
127 51.9 33.9 50.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 305

Delta R.T. -0.048 min

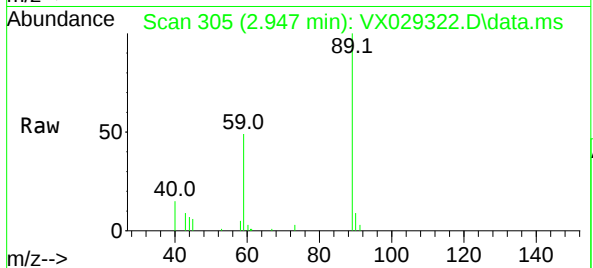
Lab File: VX029322.D

Acq: 08 Jun 2022 15:37

Instrument :

MSVOA_X

ClientSampleId :

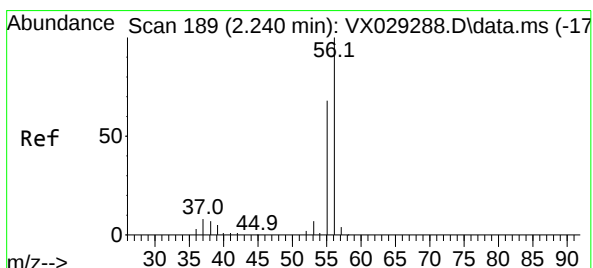
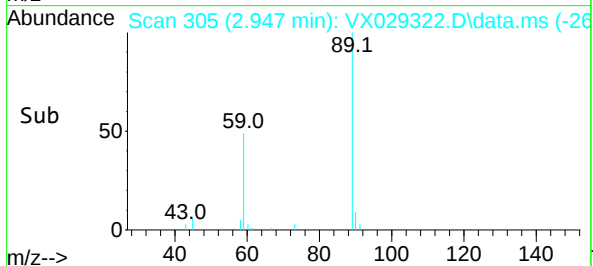
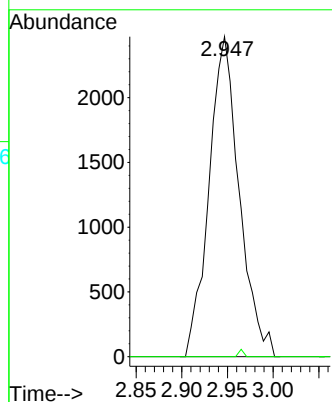


Tgt Ion: 59 Resp: 5696

Ion Ratio Lower Upper

59 100

57 0.4 8.3 12.5#



#13

Acrolein

Concen: 1.002 ug/l

RT: 2.246 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX029322.D

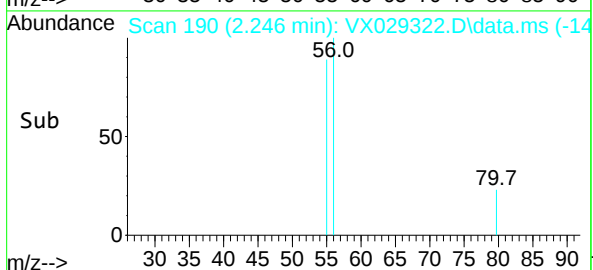
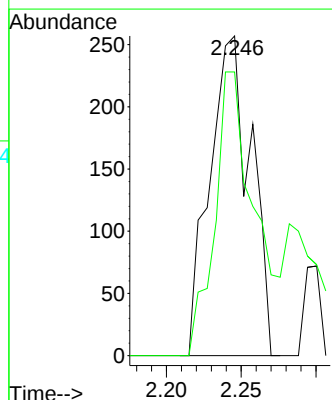
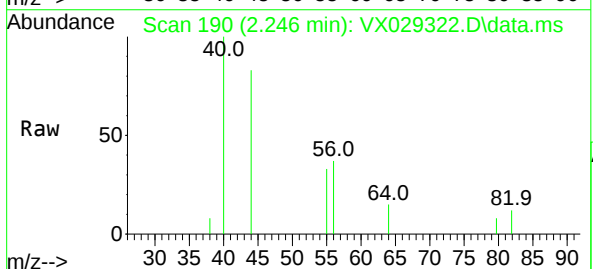
Acq: 08 Jun 2022 15:37

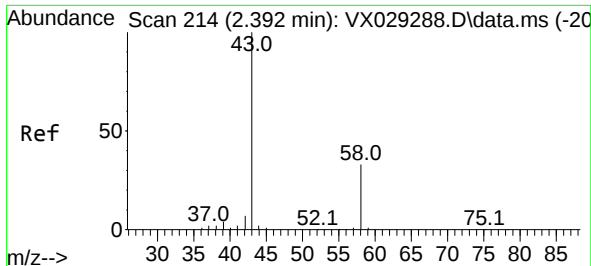
Tgt Ion: 56 Resp: 492

Ion Ratio Lower Upper

56 100

55 86.6 55.0 82.6#

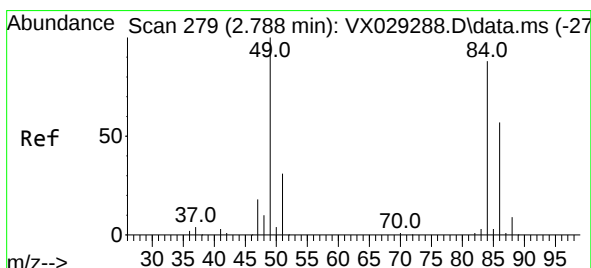
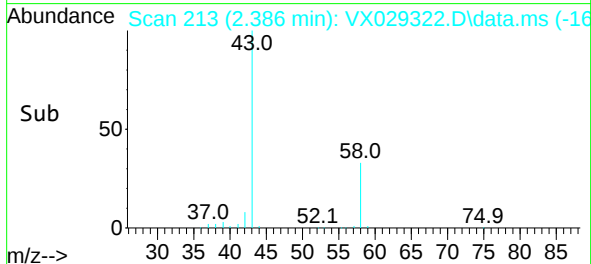
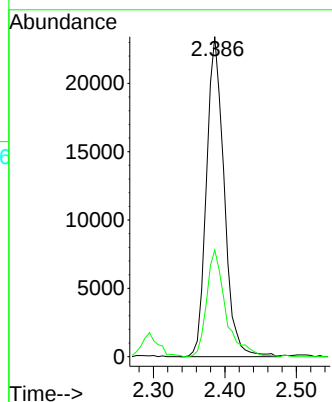
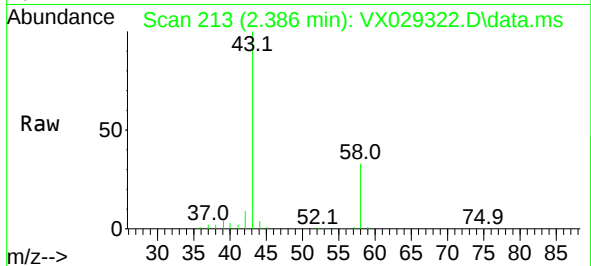




#16
Acetone
Concen: 18.636 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX029322.D
Acq: 08 Jun 2022 15:37

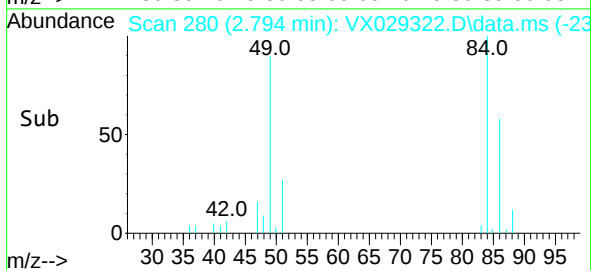
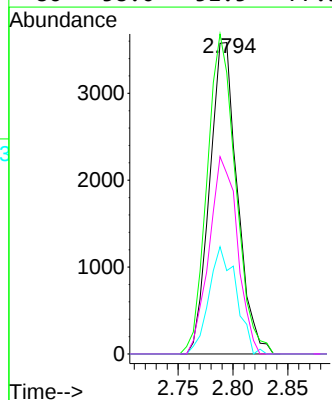
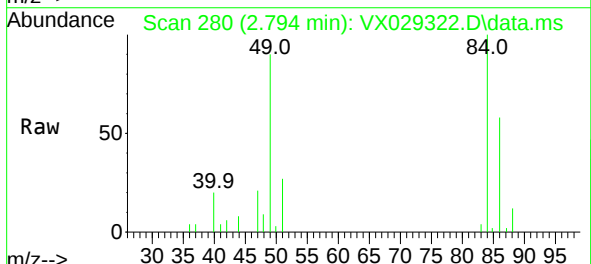
Instrument :
MSVOA_X
ClientSampleId :

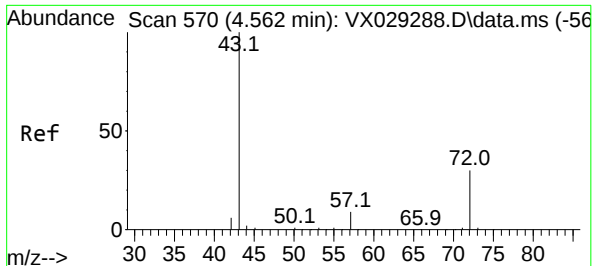
Tgt Ion: 43 Resp: 40103
Ion Ratio Lower Upper
43 100
58 33.3 28.8 43.2



#20
Methylene Chloride
Concen: 1.310 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029322.D
Acq: 08 Jun 2022 15:37

Tgt Ion: 84 Resp: 6294
Ion Ratio Lower Upper
84 100
49 90.3 85.5 128.3
51 26.8 26.6 39.8
86 58.0 51.5 77.3





#25

2-Butanone

Concen: 2.280 ug/l

RT: 4.581 min Scan# 51

Delta R.T. 0.018 min

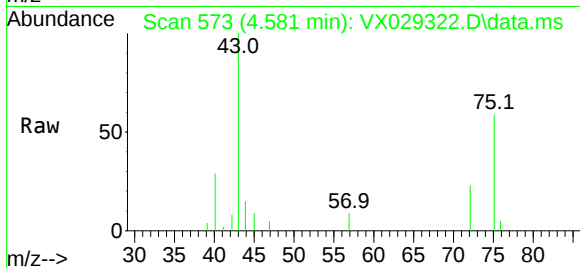
Lab File: VX029322.D

Acq: 08 Jun 2022 15:37

Instrument :

MSVOA_X

ClientSampleId :

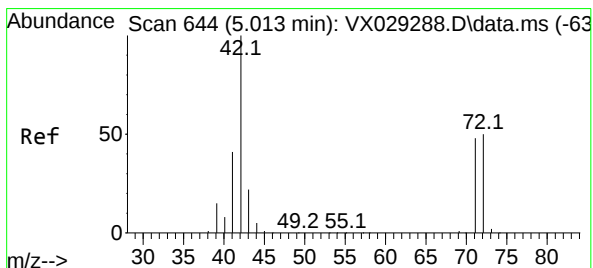
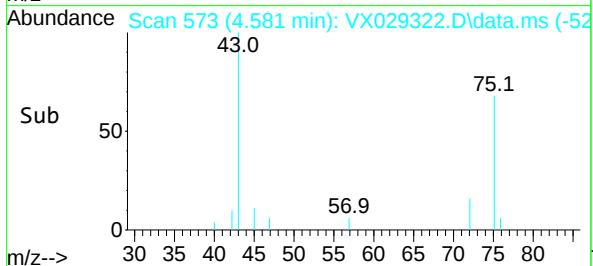
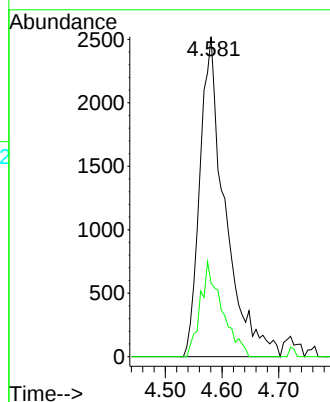


Tgt Ion: 43 Resp: 7761

Ion Ratio Lower Upper

43 100

72 22.9 24.4 36.6#



#29

Tetrahydrofuran

Concen: 0.255 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.024 min

Lab File: VX029322.D

Acq: 08 Jun 2022 15:37

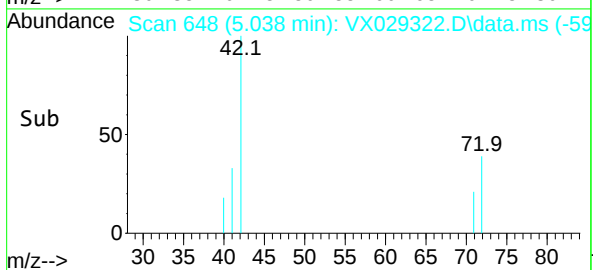
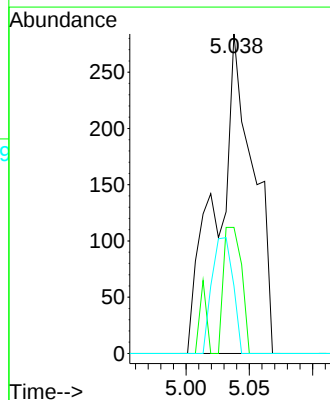
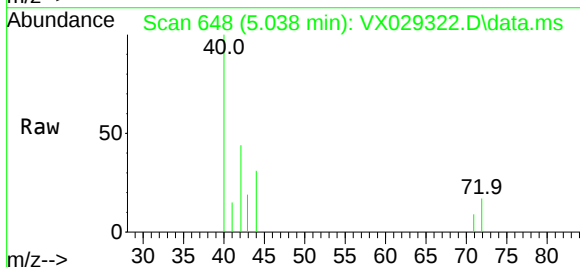
Tgt Ion: 42 Resp: 566

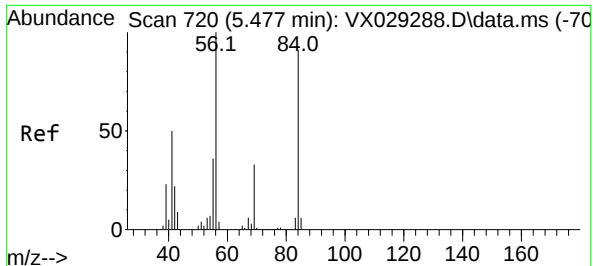
Ion Ratio Lower Upper

42 100

72 19.6 44.1 66.1#

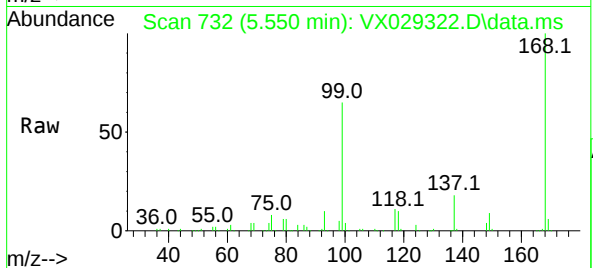
71 21.0 40.5 60.7#



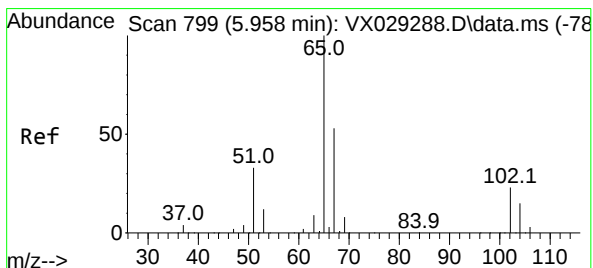
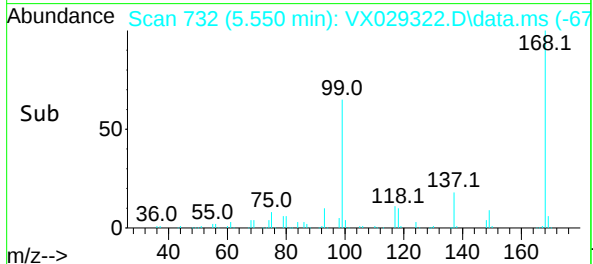
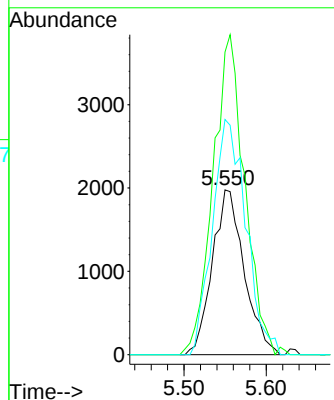


#31
Cyclohexane
Concen: 0.738 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX029322.D
Acq: 08 Jun 2022 15:37

Instrument :
MSVOA_X
ClientSampleId :

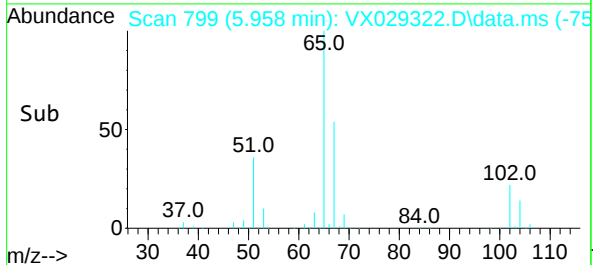
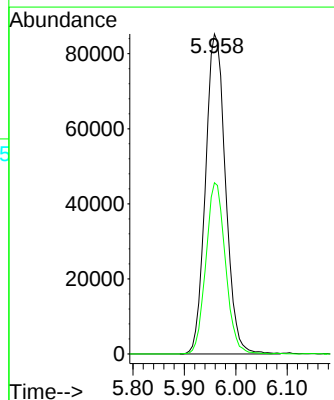
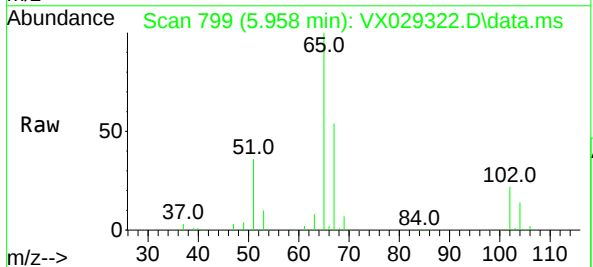


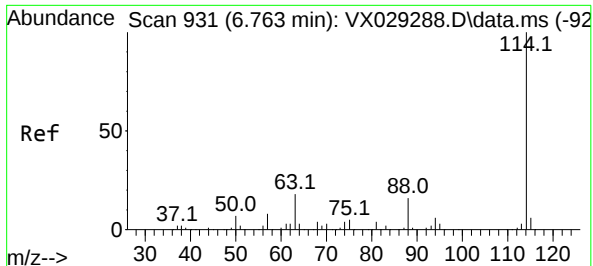
Tgt Ion: 56 Resp: 5322
Ion Ratio Lower Upper
56 100
69 183.5 26.7 40.1#
84 142.7 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 57.214 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029322.D
Acq: 08 Jun 2022 15:37

Tgt Ion: 65 Resp: 230652
Ion Ratio Lower Upper
65 100
67 52.2 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX029322.D

Acq: 08 Jun 2022 15:37

Instrument :

MSVOA_X

ClientSampleId :

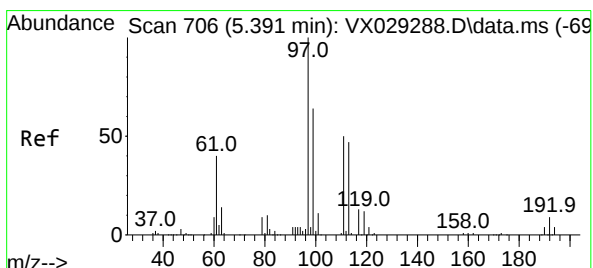
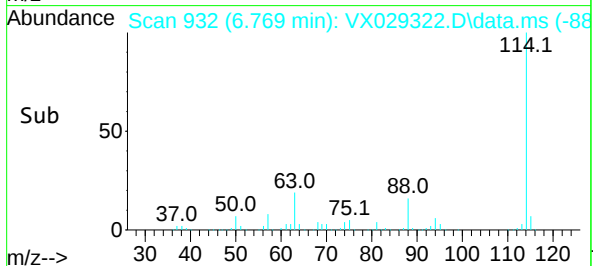
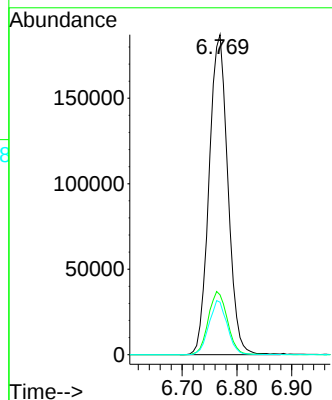
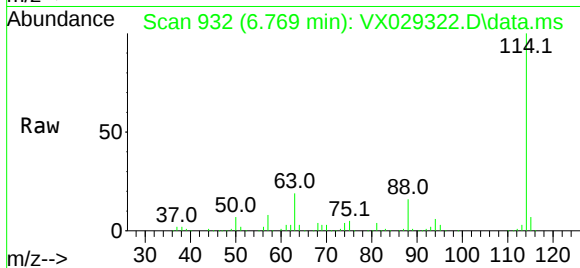
Tgt Ion:114 Resp: 443797

Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.8

88 16.4 0.0 32.4



#35

Dibromofluoromethane

Concen: 20.437 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX029322.D

Acq: 08 Jun 2022 15:37

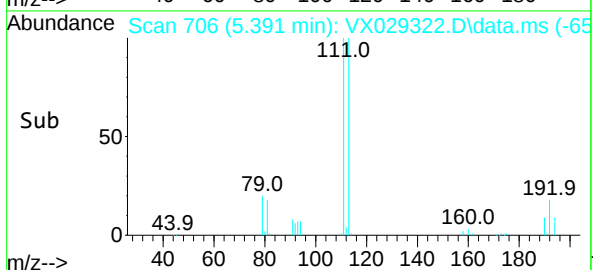
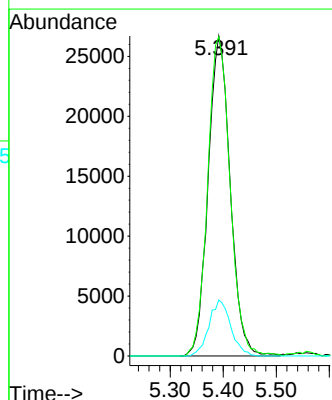
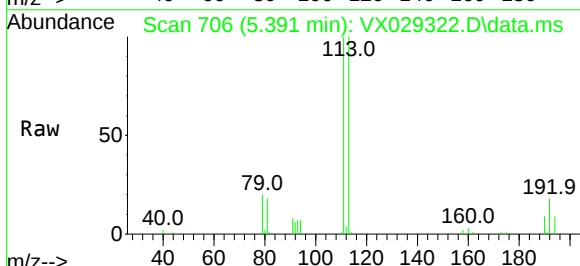
Tgt Ion:113 Resp: 77105

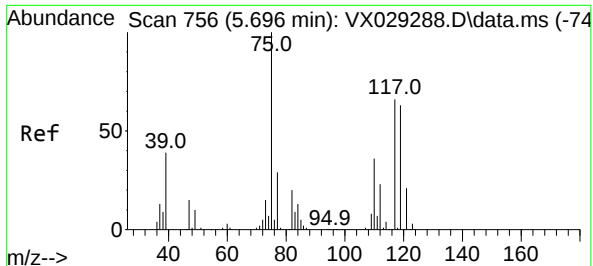
Ion Ratio Lower Upper

113 100

111 101.3 82.8 124.2

192 17.2 16.9 25.3

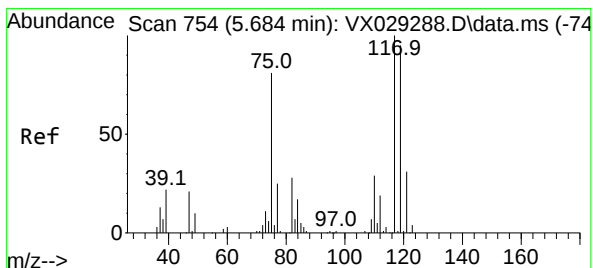
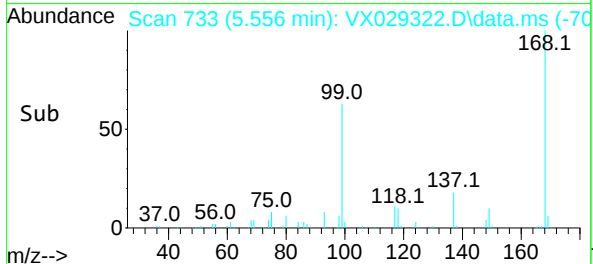
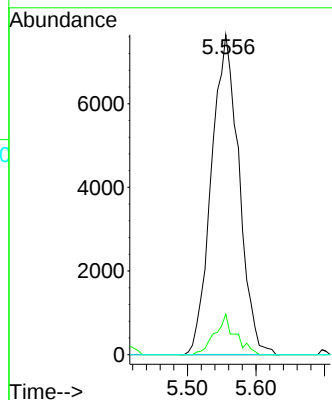
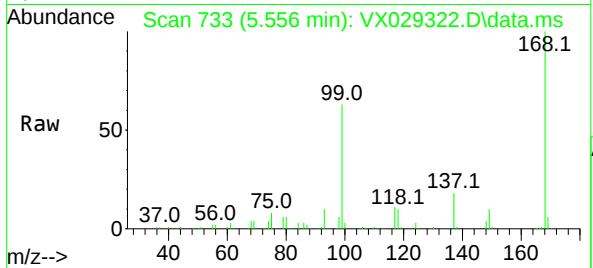




#36
1,1-Dichloropropene
Concen: 3.430 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX029322.D
Acq: 08 Jun 2022 15:37

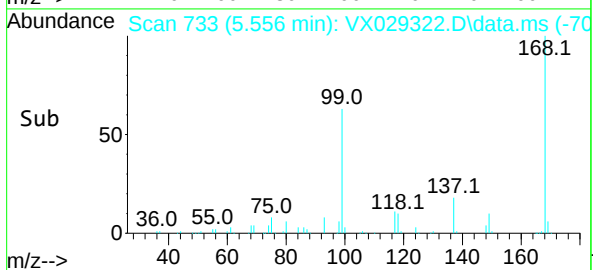
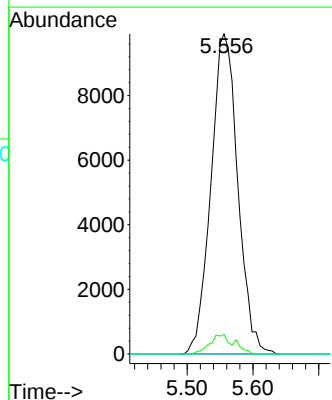
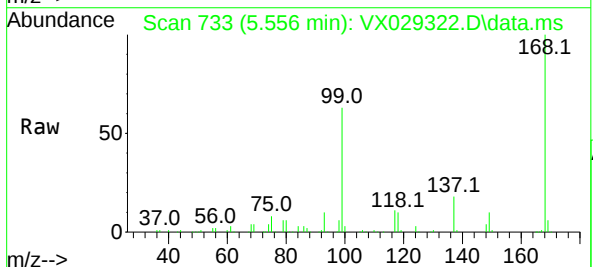
Instrument :
MSVOA_X
ClientSampleId :

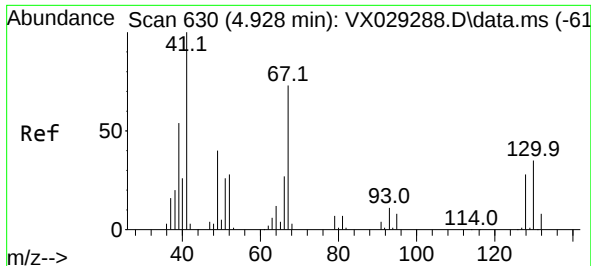
Tgt Ion: 75 Resp: 21377
Ion Ratio Lower Upper
75 100
110 9.4 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 4.418 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX029322.D
Acq: 08 Jun 2022 15:37

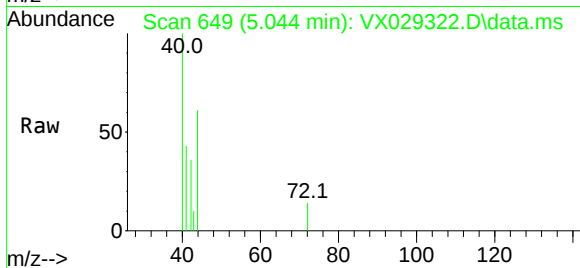
Tgt Ion: 117 Resp: 28146
Ion Ratio Lower Upper
117 100
119 6.1 77.3 115.9#
121 0.0 24.2 36.2#



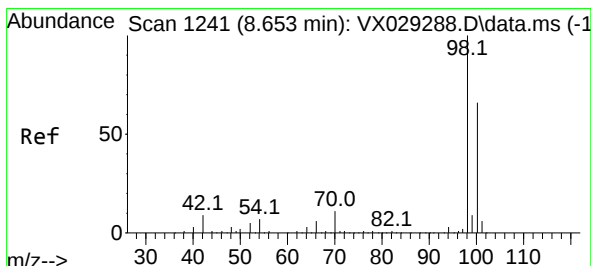
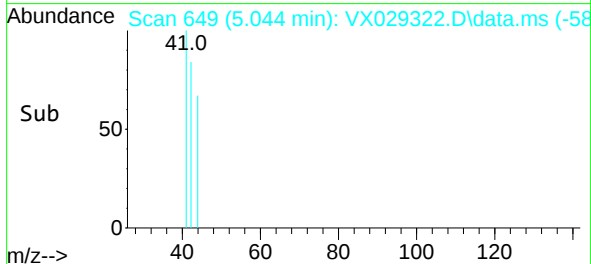
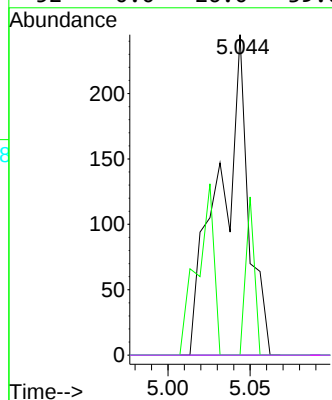


#41
Methacrylonitrile
Concen: Below Cal
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX029322.D
Acq: 08 Jun 2022 15:37

Instrument :
MSVOA_X
ClientSampleId :

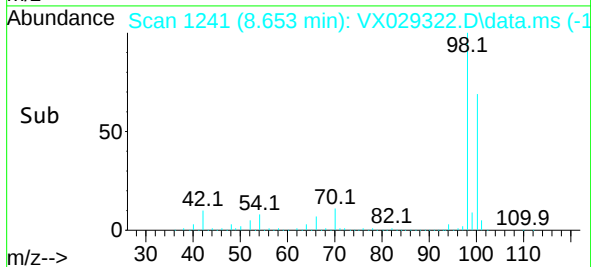
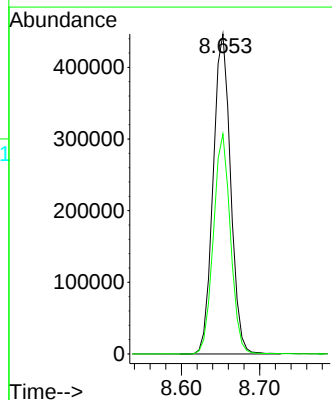
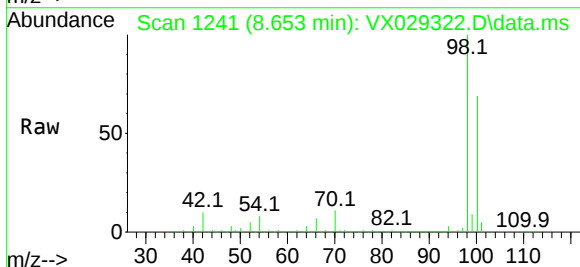


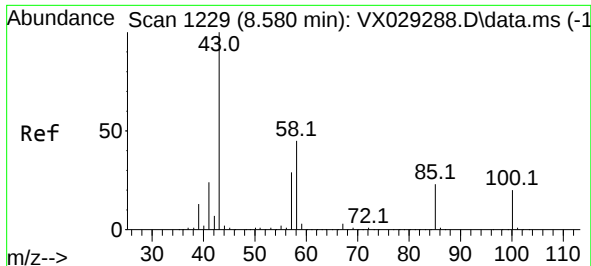
Tgt Ion: 41 Resp: 300
Ion Ratio Lower Upper
41 100
39 14.7 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#



#50
Toluene-d8
Concen: 51.723 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029322.D
Acq: 08 Jun 2022 15:37

Tgt Ion: 98 Resp: 690170
Ion Ratio Lower Upper
98 100
100 67.4 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.293 ug/l

RT: 8.574 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX029322.D

Acq: 08 Jun 2022 15:37

Instrument :

MSVOA_X

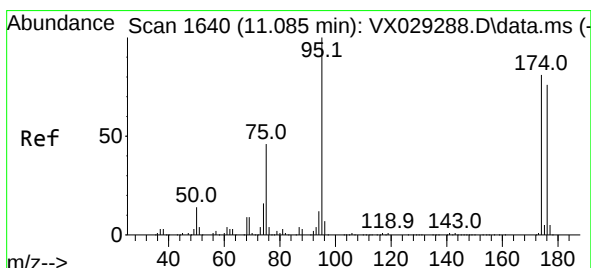
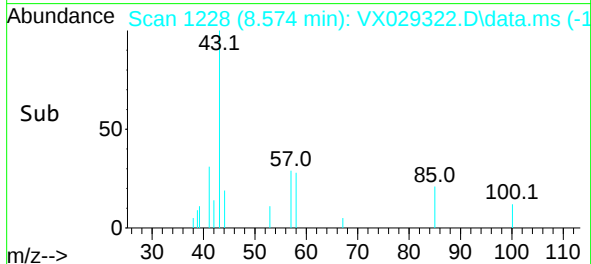
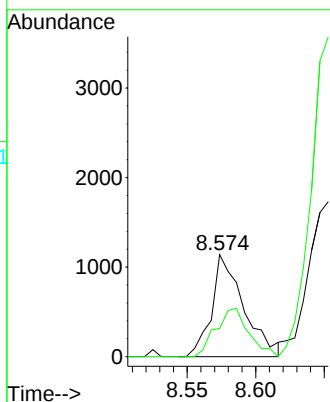
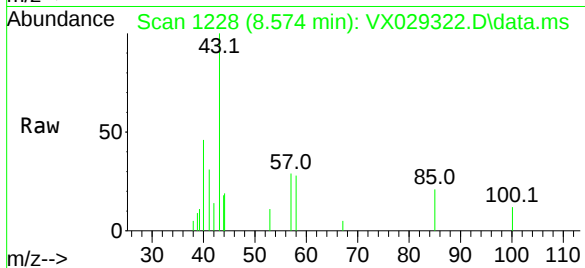
ClientSampleId :

Tgt Ion: 43 Resp: 1855

Ion Ratio Lower Upper

43 100

58 48.4 36.1 54.1



#62

4-Bromofluorobenzene

Concen: 48.853 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX029322.D

Acq: 08 Jun 2022 15:37

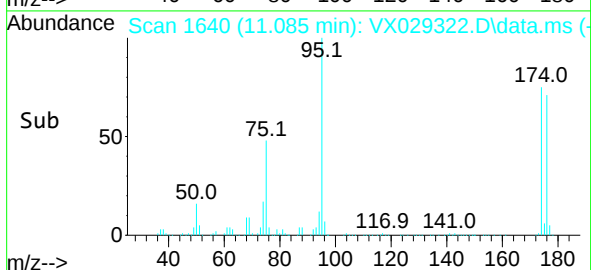
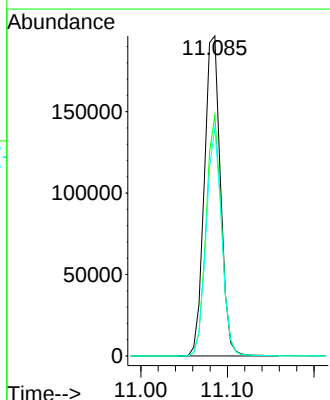
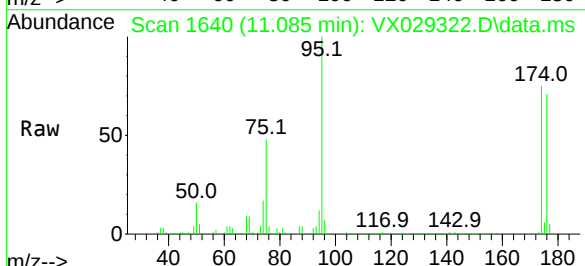
Tgt Ion: 95 Resp: 255105

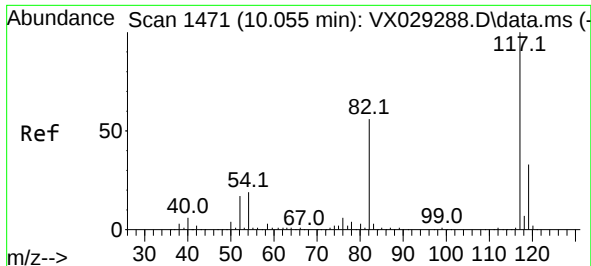
Ion Ratio Lower Upper

95 100

174 72.0 0.0 163.0

176 68.4 0.0 155.0

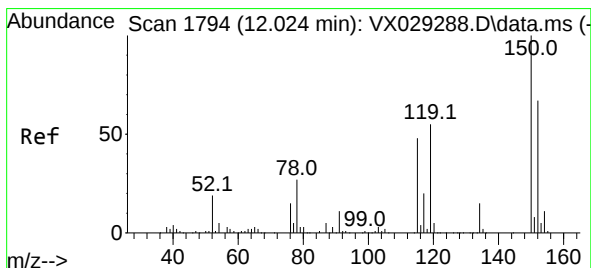
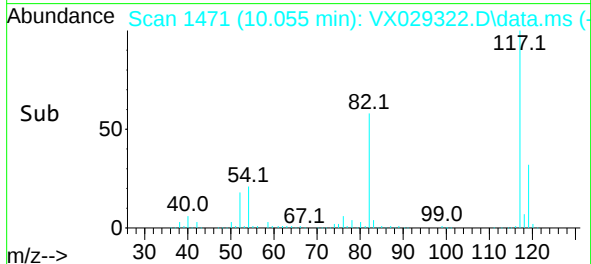
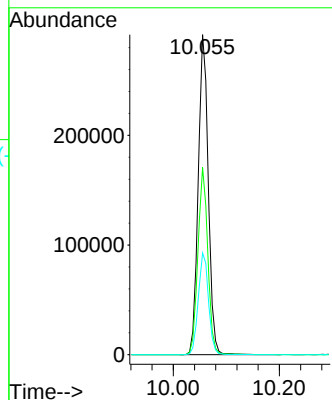
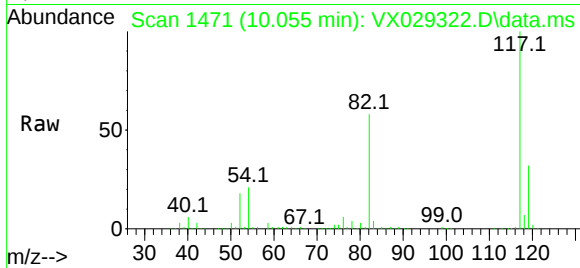




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029322.D
Acq: 08 Jun 2022 15:37

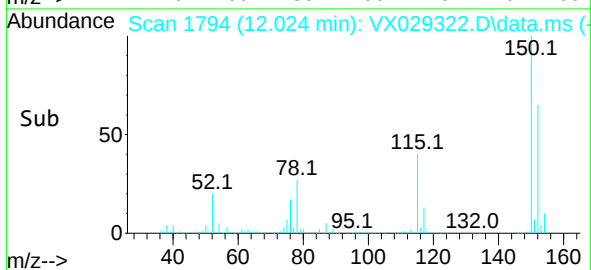
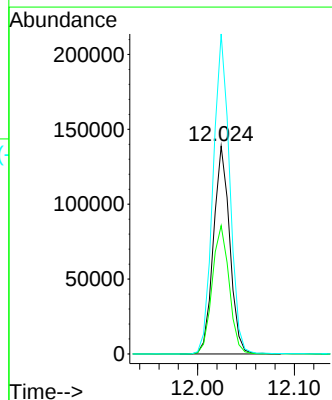
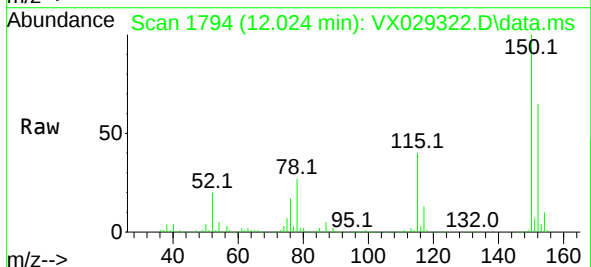
Instrument :
MSVOA_X
ClientSampleId :

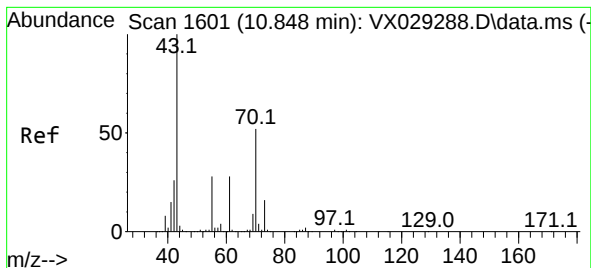
Tgt Ion:117 Resp: 384491
Ion Ratio Lower Upper
117 100
82 58.5 41.8 62.8
119 31.8 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029322.D
Acq: 08 Jun 2022 15:37

Tgt Ion:152 Resp: 161582
Ion Ratio Lower Upper
152 100
115 64.3 37.5 112.7
150 156.9 0.0 338.2





#74

N-amy1 acetate

Concen: 0.201 ug/l

RT: 10.860 min Scan# 1

Delta R.T. 0.012 min

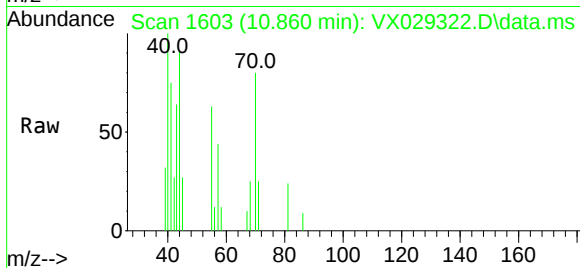
Lab File: VX029322.D

Acq: 08 Jun 2022 15:37

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 864

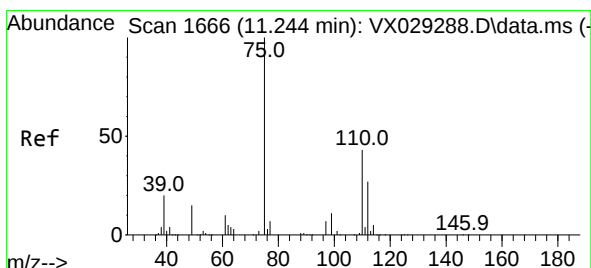
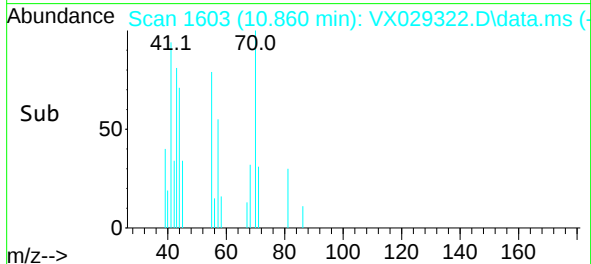
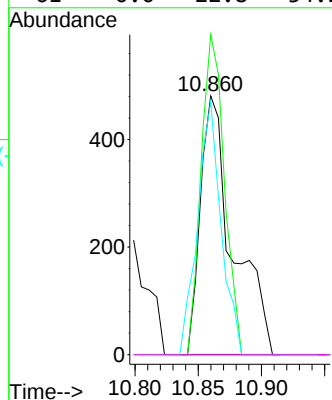
Ion Ratio Lower Upper

43 100

70 88.0 42.5 63.7#

55 70.4 23.1 34.7#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 34.108 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX029322.D

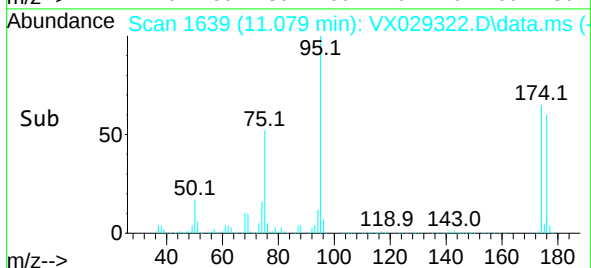
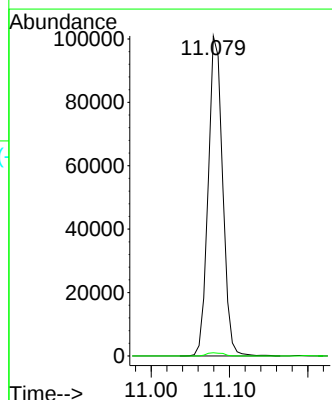
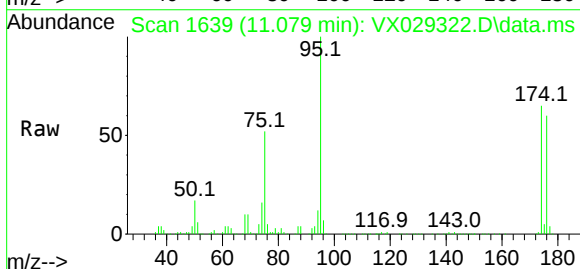
Acq: 08 Jun 2022 15:37

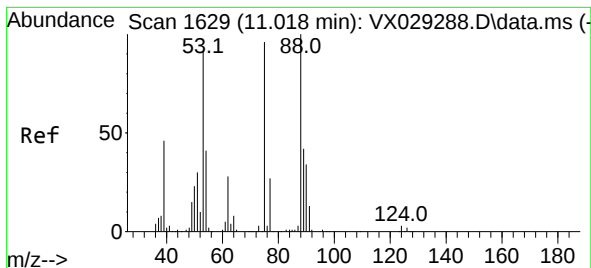
Tgt Ion: 75 Resp: 128728

Ion Ratio Lower Upper

75 100

77 1.2 19.4 58.2#

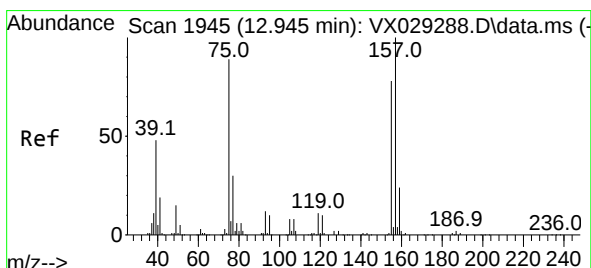
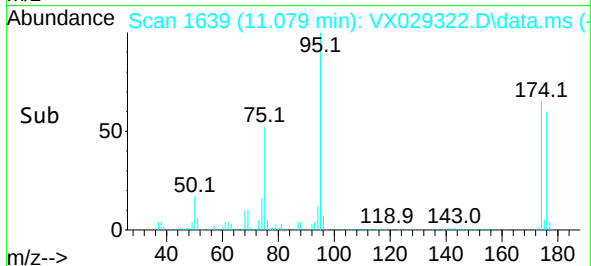
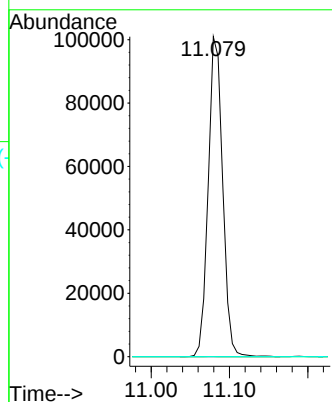
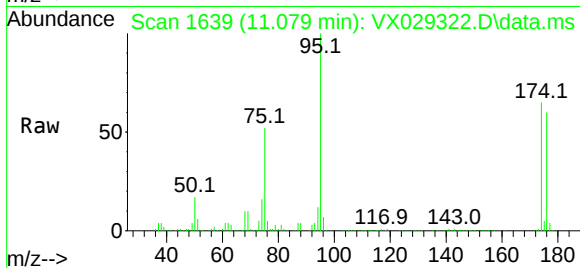




#81
trans-1,4-Dichloro-2-butene
Concen: 103.604 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029322.D
Acq: 08 Jun 2022 15:37

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 128728
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.941 ug/l
RT: 13.061 min Scan# 1964
Delta R.T. 0.116 min
Lab File: VX029322.D
Acq: 08 Jun 2022 15:37

Tgt Ion: 75 Resp: 840
Ion Ratio Lower Upper
75 100
155 0.0 47.0 141.2#
157 0.0 57.9 173.6#

