

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041422\
 Data File : VX028111.D
 Acq On : 14 Apr 2022 16:48
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Apr 15 03:16:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 12 22:07:23 2022
 Response via : Initial Calibration

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

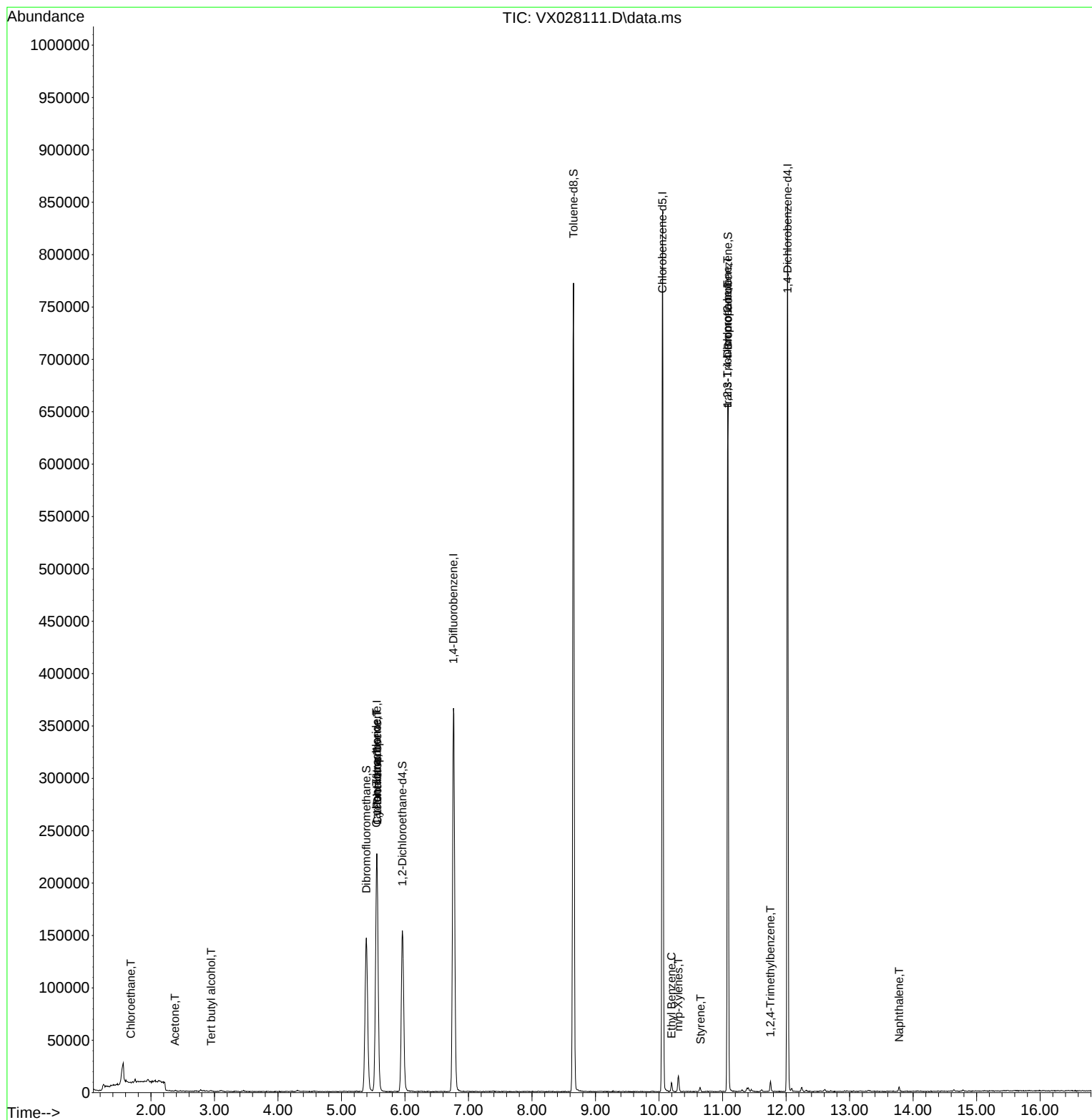
Internal Standards						
1) Pentafluorobenzene	5.556	168	217847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	377208	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	358861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	165014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	139071	47.055	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.120%
35) Dibromofluoromethane	5.391	113	123754	50.068	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.140%
50) Toluene-d8	8.653	98	456395	49.509	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.020%
62) 4-Bromofluorobenzene	11.085	95	155656	45.223	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.440%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	892	Below Cal	#	70
6) Chloroethane	1.685	64	346	2.744	ug/l #	70
11) Tert butyl alcohol	2.946	59	832	1.213	ug/l #	72
13) Acrolein	2.197	56	433	Below Cal	#	44
16) Acetone	2.380	43	812	0.659	ug/l #	87
31) Cyclohexane	5.562	56	5258	1.294	ug/l #	30
36) 1,1-Dichloropropene	5.562	75	16942	4.491	ug/l #	50
38) Carbon Tetrachloride	5.550	117	21752	5.401	ug/l #	15
67) Ethyl Benzene	10.195	91	4805	0.348	ug/l	97
68) m/p-Xylenes	10.305	106	3801	0.660	ug/l	97
70) Styrene	10.652	104	21	4.706	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	84767	23.075	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	84767	64.989	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	4022	0.406	ug/l	96
95) Naphthalene	13.780	128	3012	0.277	ug/l	98

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

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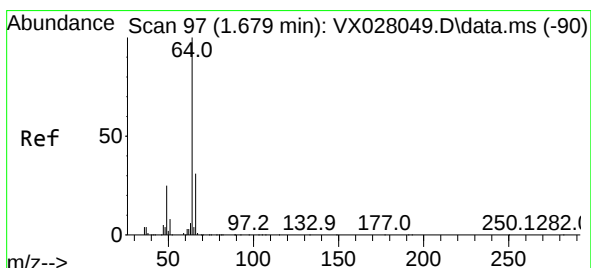
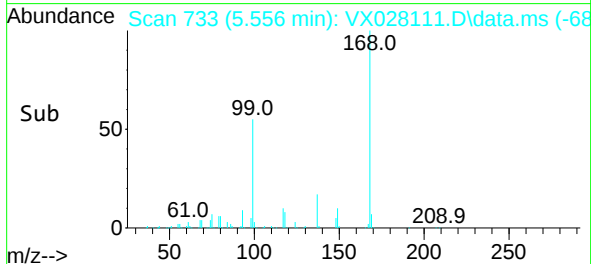
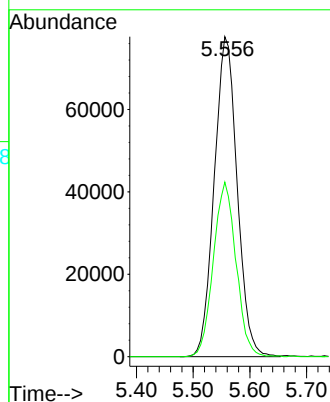
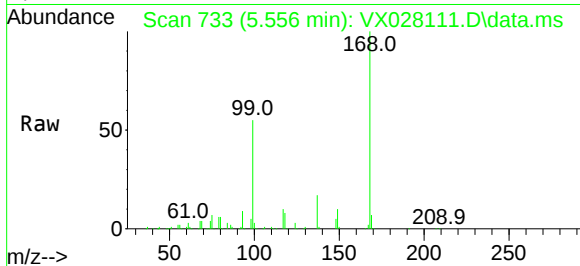




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028111.D
Acq: 14 Apr 2022 16:48

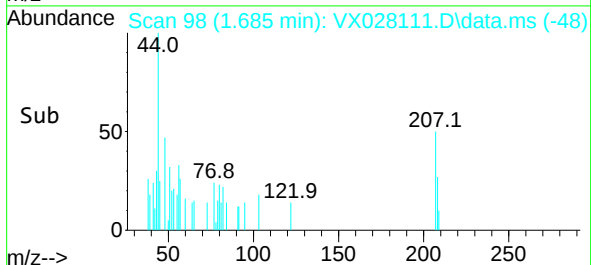
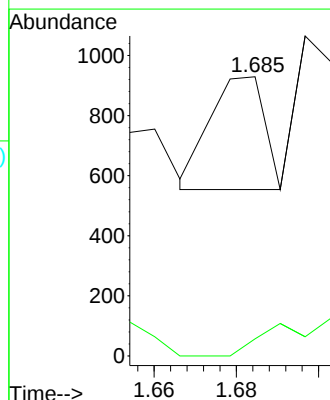
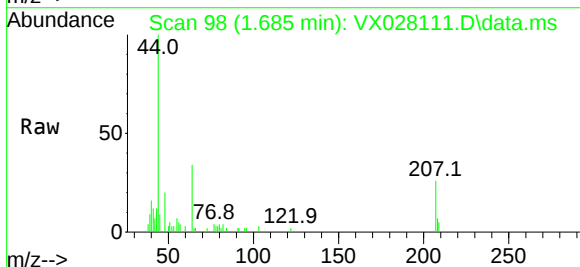
Instrument :
MSVOA_X
ClientSampleId :
IBLK

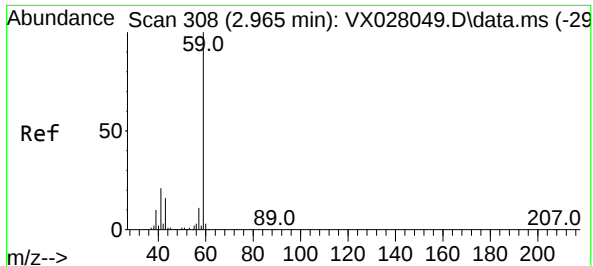
Tgt Ion:168 Resp: 217847
Ion Ratio Lower Upper
168 100
99 54.6 41.7 62.5



#6
Chloroethane
Concen: 2.744 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX028111.D
Acq: 14 Apr 2022 16:48

Tgt Ion: 64 Resp: 346
Ion Ratio Lower Upper
64 100
66 15.2 25.3 37.9





#11

Tert butyl alcohol

Concen: 1.213 ug/l

RT: 2.946 min Scan# 308

Delta R.T. -0.018 min

Lab File: VX028111.D

Acq: 14 Apr 2022 16:48

Instrument :

MSVOA_X

ClientSampleId :

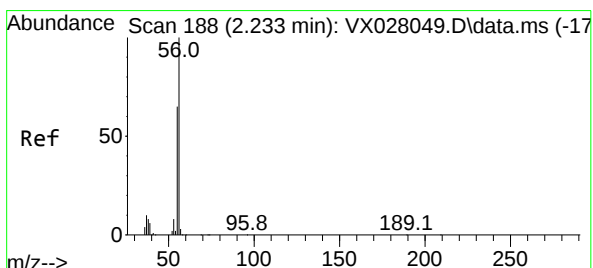
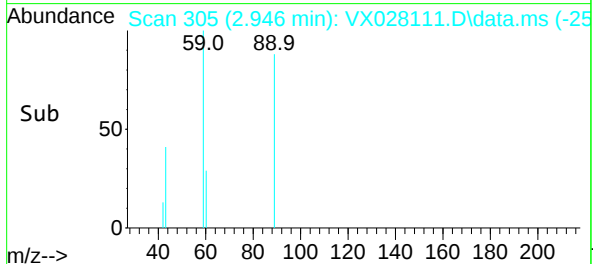
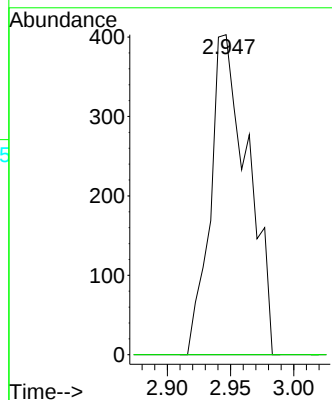
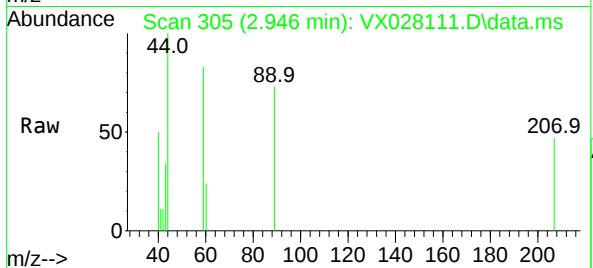
IBLK

Tgt Ion: 59 Resp: 832

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: Below Cal

RT: 2.197 min Scan# 182

Delta R.T. -0.036 min

Lab File: VX028111.D

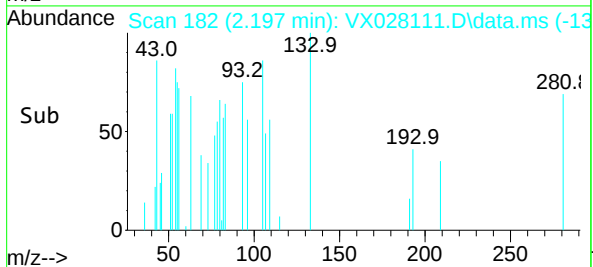
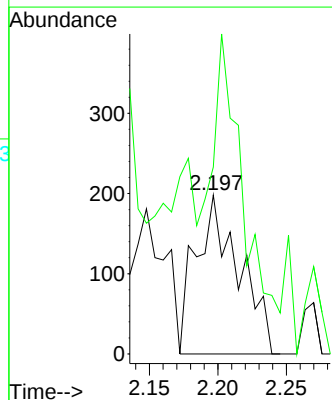
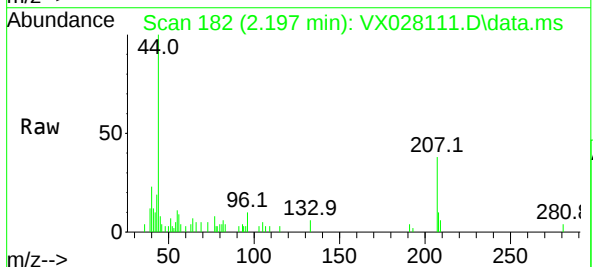
Acq: 14 Apr 2022 16:48

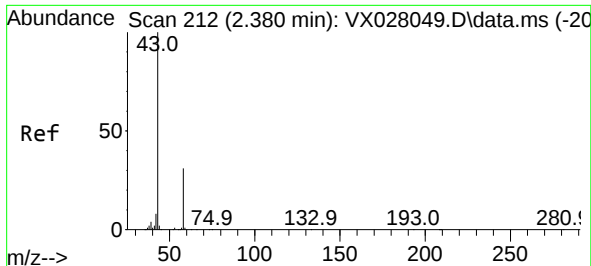
Tgt Ion: 56 Resp: 433

Ion Ratio Lower Upper

56 100

55 114.3 55.0 82.6#

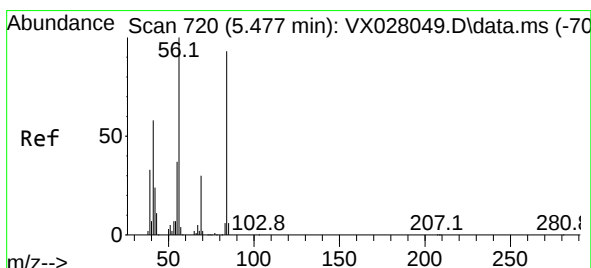
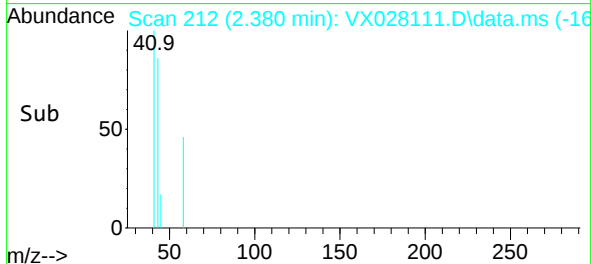
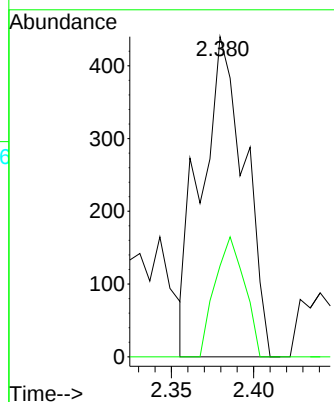
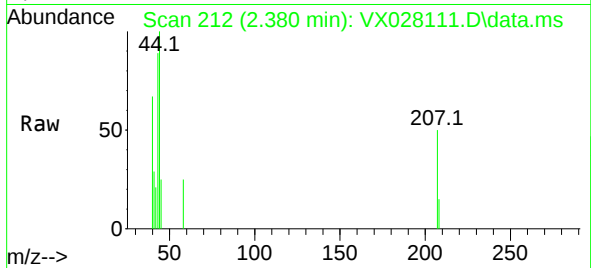




#16
Acetone
Concen: 0.659 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028111.D
Acq: 14 Apr 2022 16:48

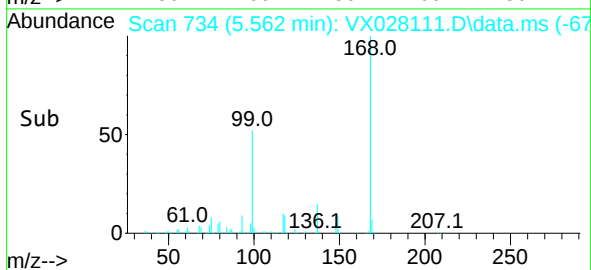
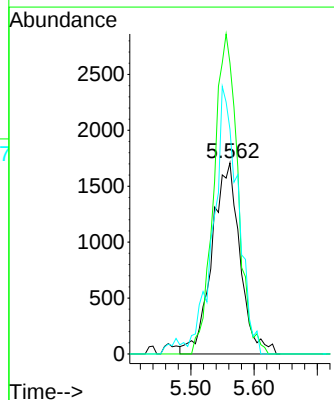
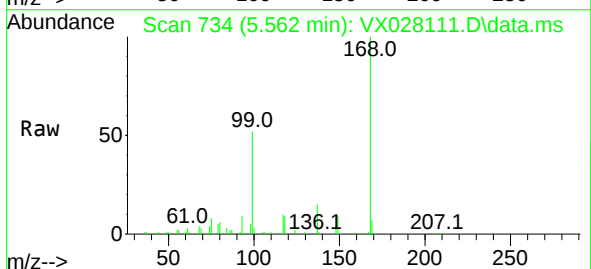
Instrument :
MSVOA_X
ClientSampleId :
IBLK

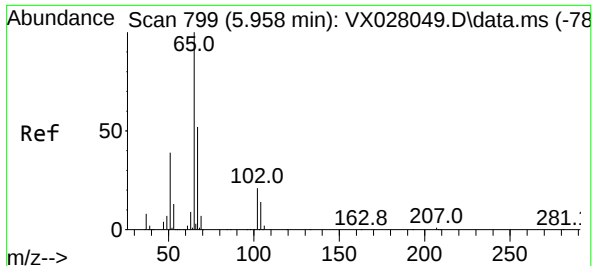
Tgt Ion: 43 Resp: 812
Ion Ratio Lower Upper
43 100
58 28.4 28.8 43.2#



#31
Cyclohexane
Concen: 1.294 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX028111.D
Acq: 14 Apr 2022 16:48

Tgt Ion: 56 Resp: 5258
Ion Ratio Lower Upper
56 100
69 152.2 26.7 40.1#
84 117.6 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 47.055 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028111.D

Acq: 14 Apr 2022 16:48

Instrument :

MSVOA_X

ClientSampleId :

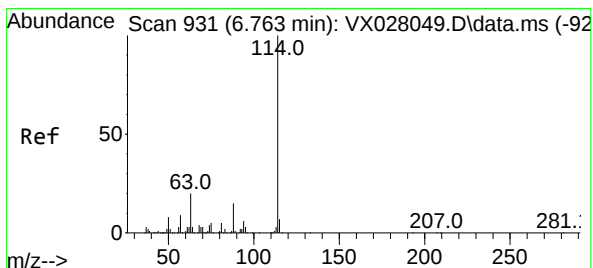
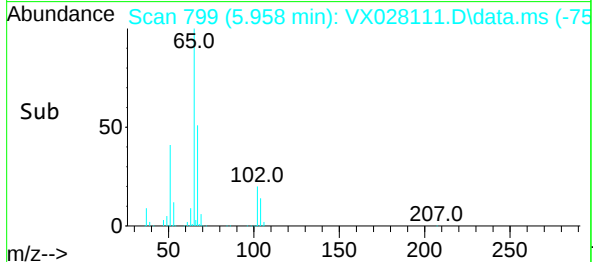
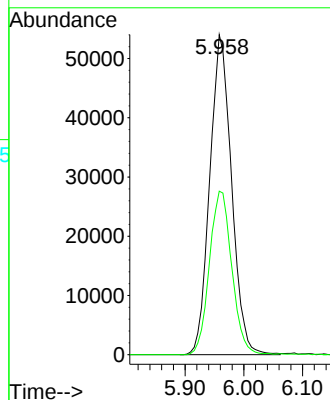
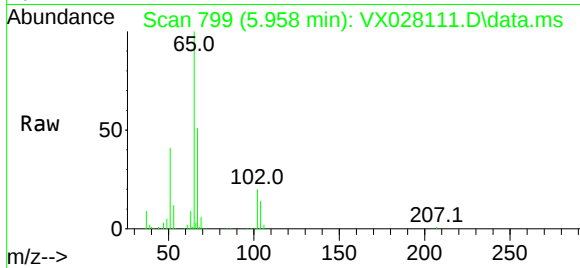
IBLK

Tgt Ion: 65 Resp: 139071

Ion Ratio Lower Upper

65 100

67 52.6 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: VX028111.D

Acq: 14 Apr 2022 16:48

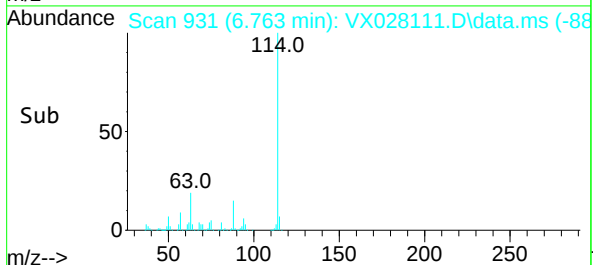
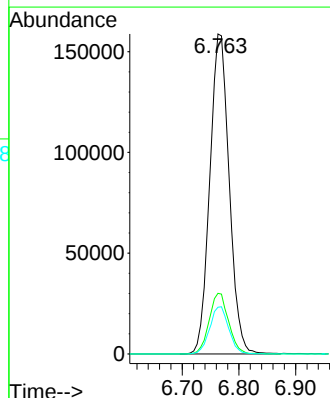
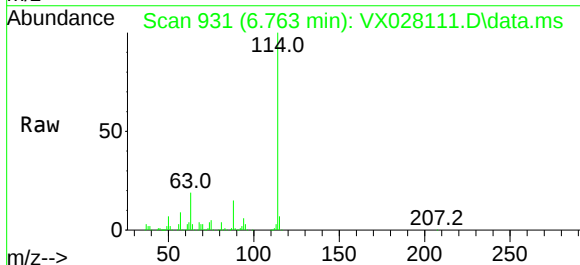
Tgt Ion: 114 Resp: 377208

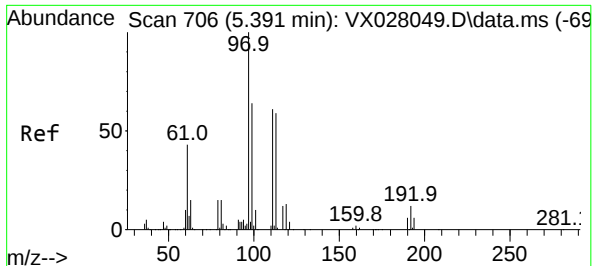
Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.8

88 14.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.068 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX028111.D

Acq: 14 Apr 2022 16:48

Instrument :

MSVOA_X

ClientSampleId :

IBLK

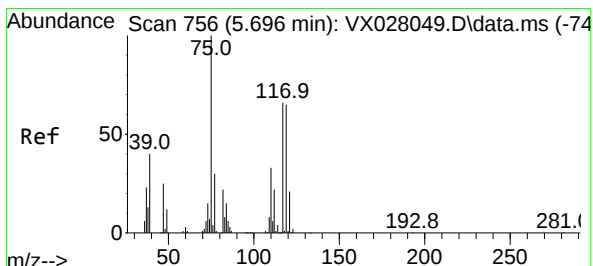
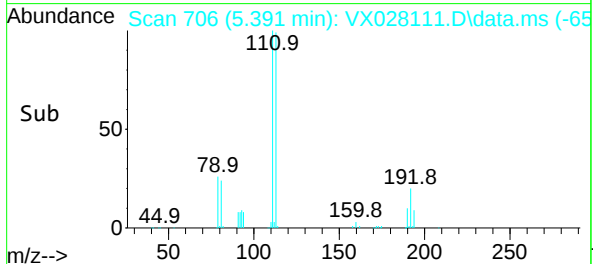
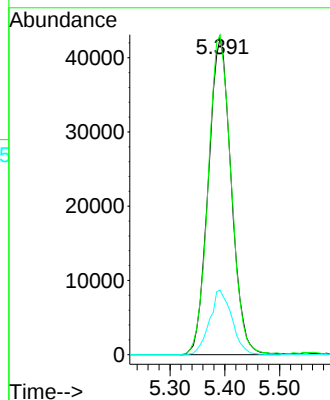
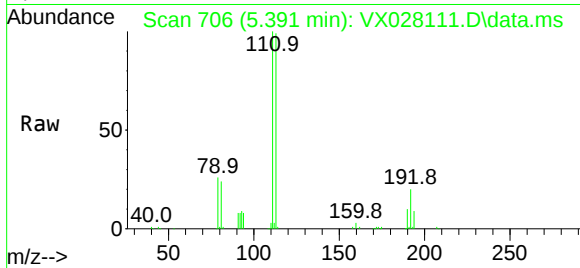
Tgt Ion:113 Resp: 123754

Ion Ratio Lower Upper

113 100

111 100.6 82.8 124.2

192 19.8 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.491 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX028111.D

Acq: 14 Apr 2022 16:48

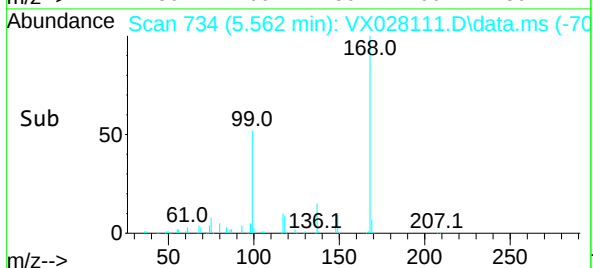
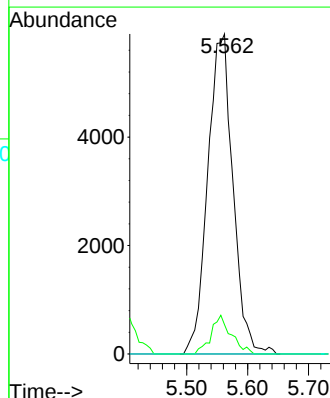
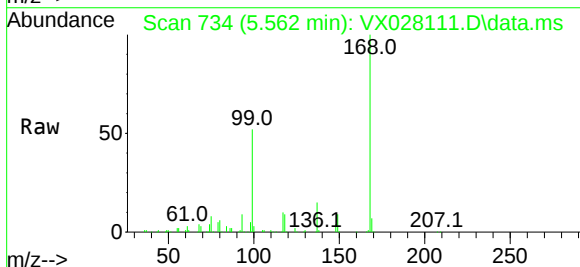
Tgt Ion: 75 Resp: 16942

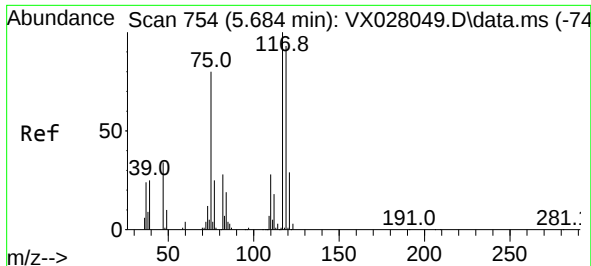
Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

77 0.0 24.8 37.2#

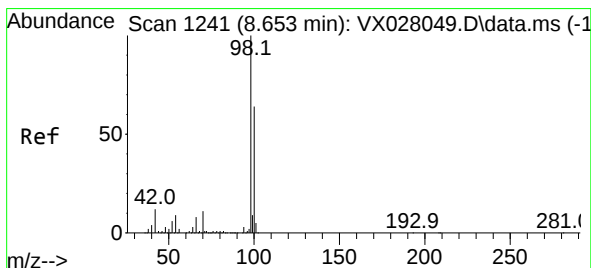
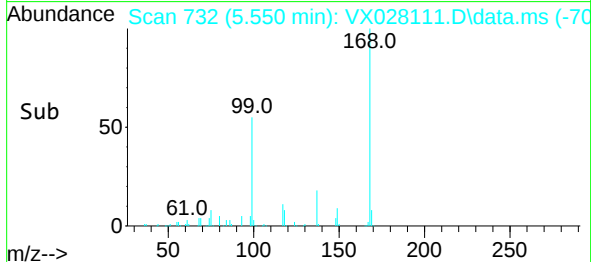
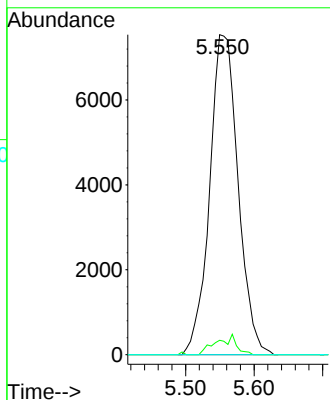
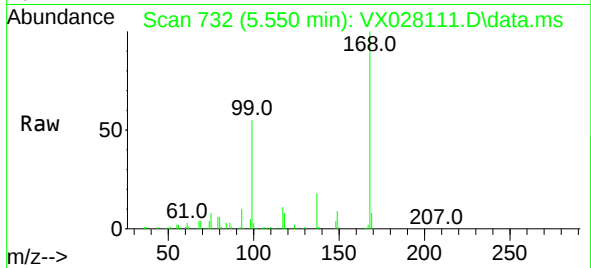




#38
Carbon Tetrachloride
Concen: 5.401 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX028111.D
Acq: 14 Apr 2022 16:48

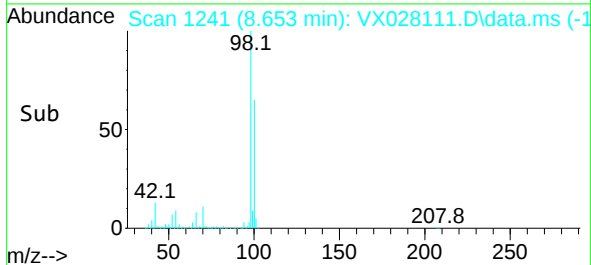
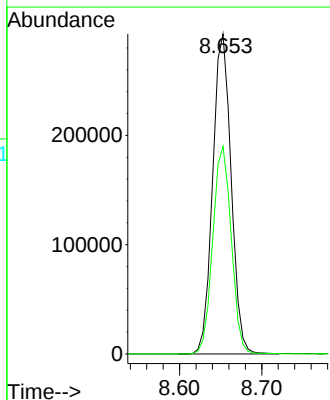
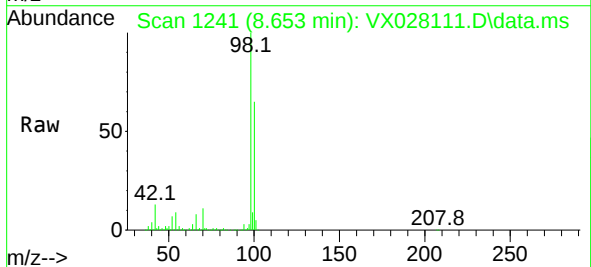
Instrument :
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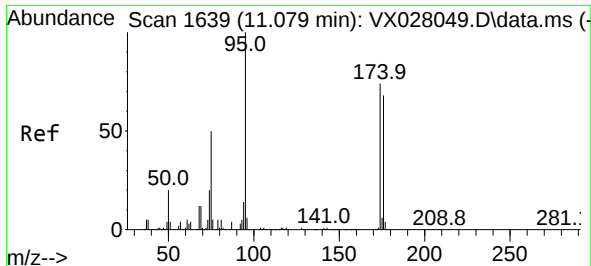
Tgt Ion:117 Resp: 21752
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.509 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028111.D
Acq: 14 Apr 2022 16:48

Tgt Ion: 98 Resp: 456395
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8

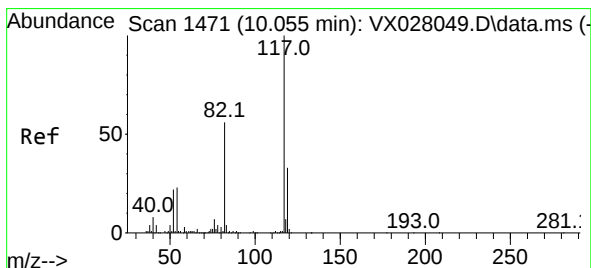
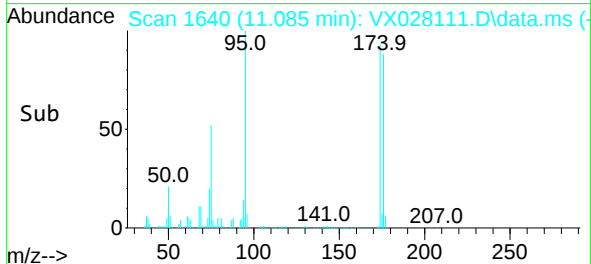
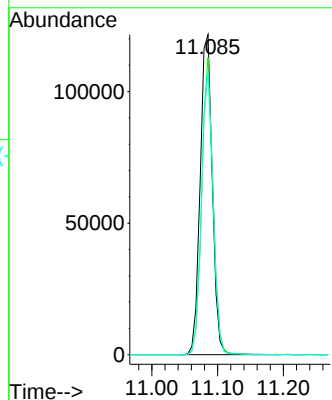
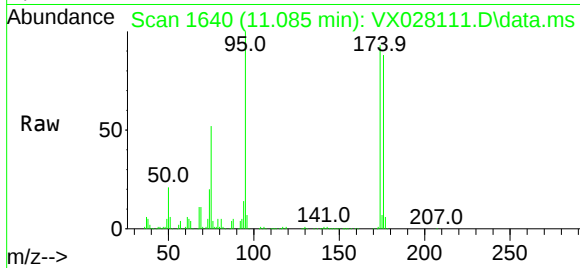




#62
4-Bromofluorobenzene
Concen: 45.223 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX028111.D
Acq: 14 Apr 2022 16:48

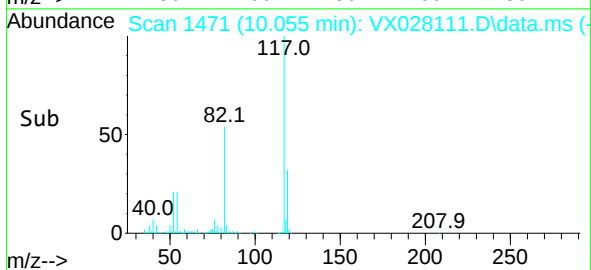
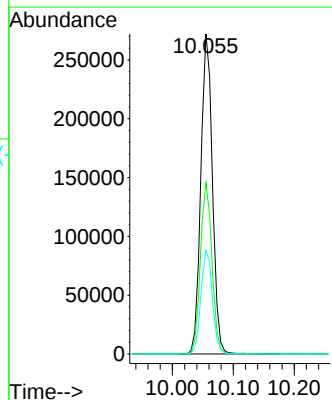
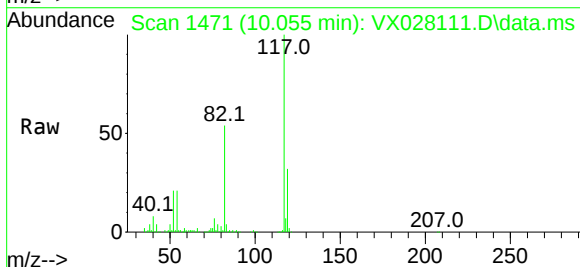
Instrument :
MSVOA_X
ClientSampleId :
IBLK

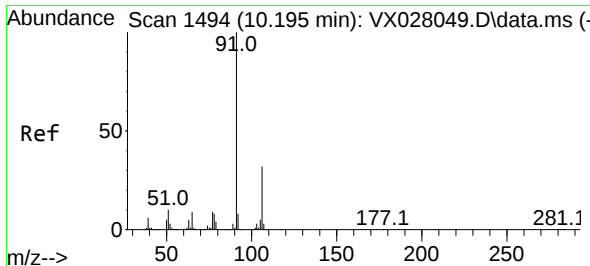
Tgt Ion: 95 Resp: 155656
Ion Ratio Lower Upper
95 100
174 87.7 0.0 163.0
176 84.5 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028111.D
Acq: 14 Apr 2022 16:48

Tgt Ion: 117 Resp: 358861
Ion Ratio Lower Upper
117 100
82 53.5 41.8 62.8
119 32.4 24.8 37.2

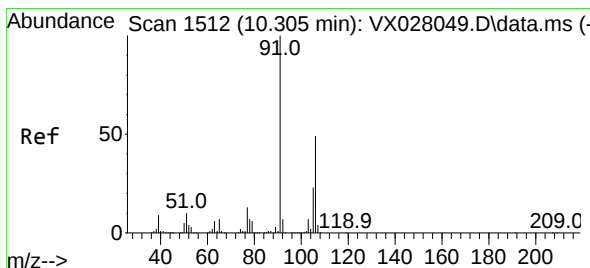
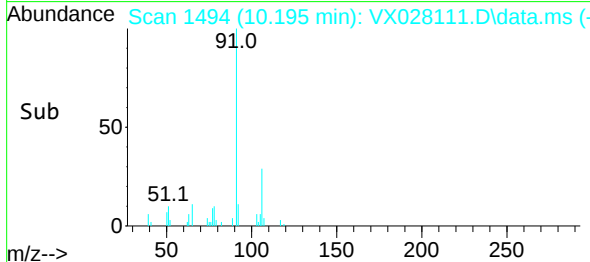
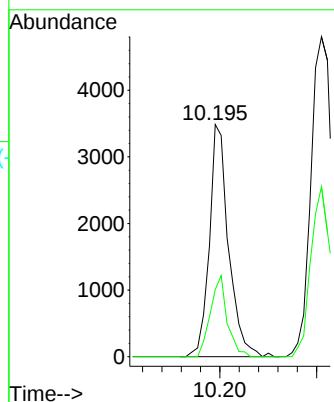
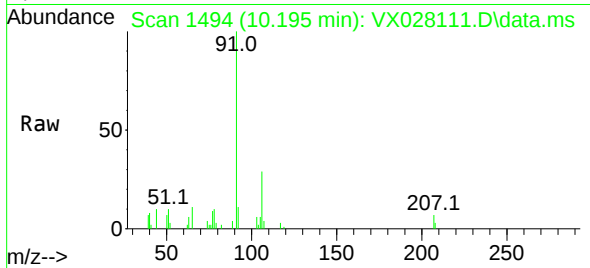




#67
Ethyl Benzene
Concen: 0.348 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX028111.D
Acq: 14 Apr 2022 16:48

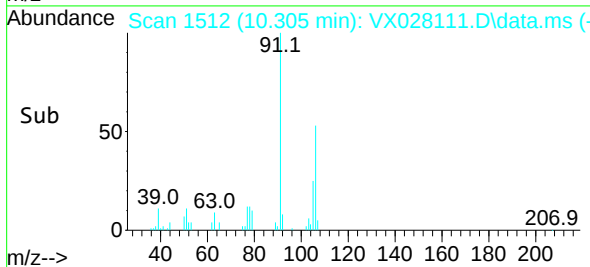
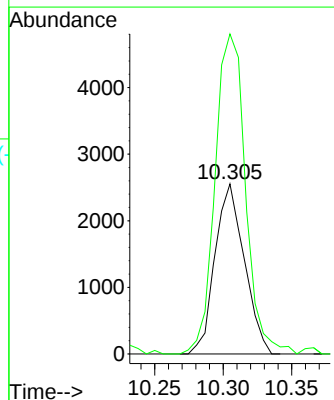
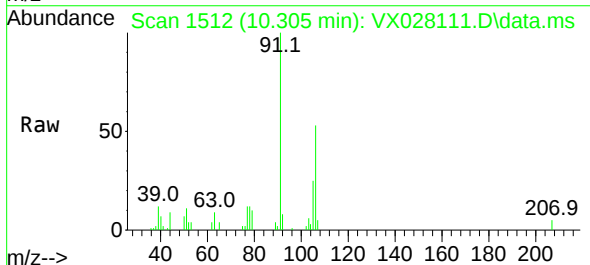
Instrument :
MSVOA_X
ClientSampleId :
IBLK

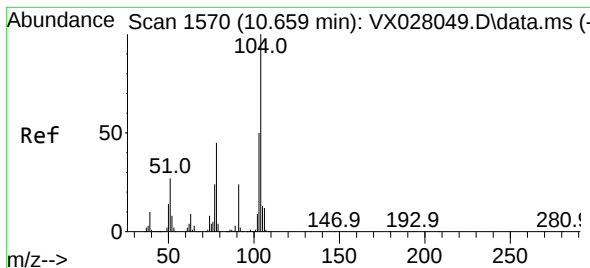
Tgt Ion: 91 Resp: 4805
Ion Ratio Lower Upper
91 100
106 28.9 24.6 36.8



#68
m/p-Xylenes
Concen: 0.660 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX028111.D
Acq: 14 Apr 2022 16:48

Tgt Ion: 106 Resp: 3801
Ion Ratio Lower Upper
106 100
91 195.4 160.4 240.6





#70

Styrene

Concen: 4.706 ug/l

RT: 10.652 min Scan# 11

Delta R.T. -0.007 min

Lab File: VX028111.D

Acq: 14 Apr 2022 16:48

Instrument :

MSVOA_X

ClientSampleId :

IBLK

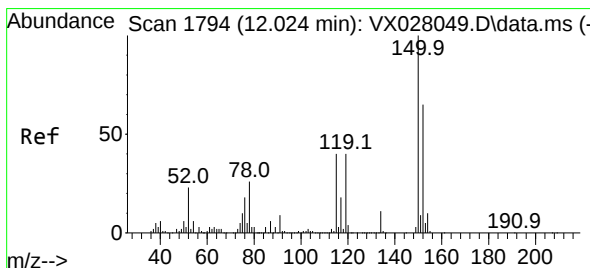
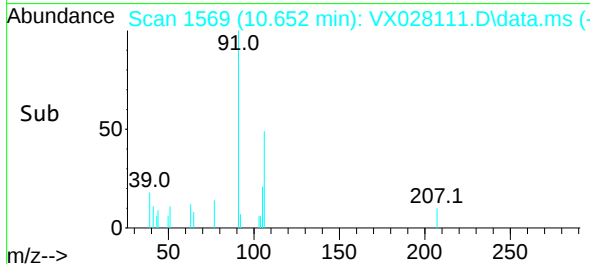
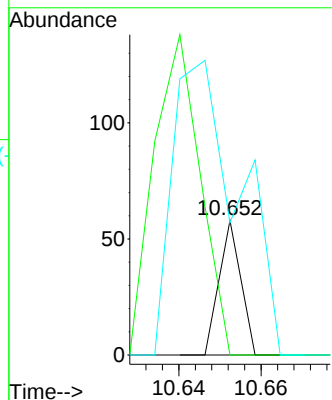
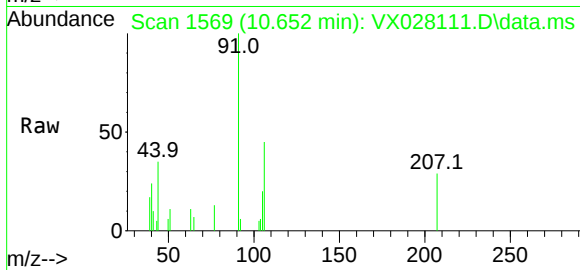
Tgt Ion:104 Resp: 21

Ion Ratio Lower Upper

104 100

78 514.3 38.6 57.8#

103 676.2 43.8 65.8#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX028111.D

Acq: 14 Apr 2022 16:48

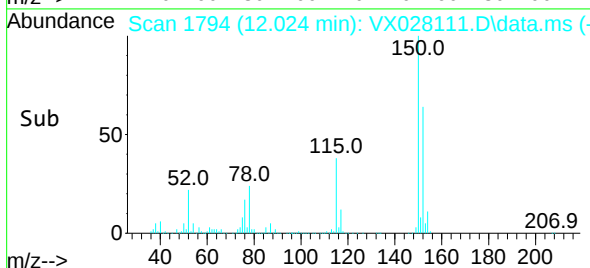
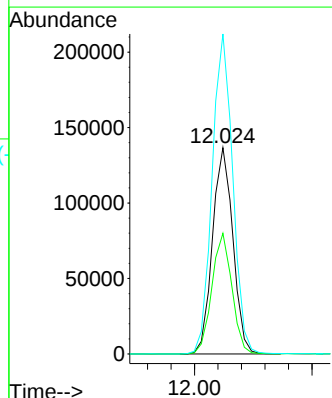
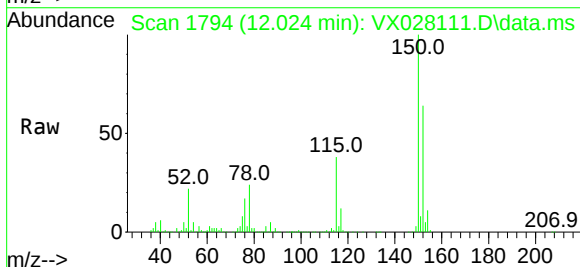
Tgt Ion:152 Resp: 165014

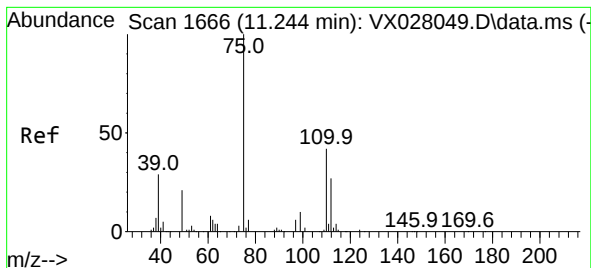
Ion Ratio Lower Upper

152 100

115 57.4 37.5 112.7

150 156.6 0.0 338.2





#76

1,2,3-Trichloropropane

Concen: 23.075 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.165 min

Lab File: VX028111.D

Acq: 14 Apr 2022 16:48

Instrument :

MSVOA_X

ClientSampleId :

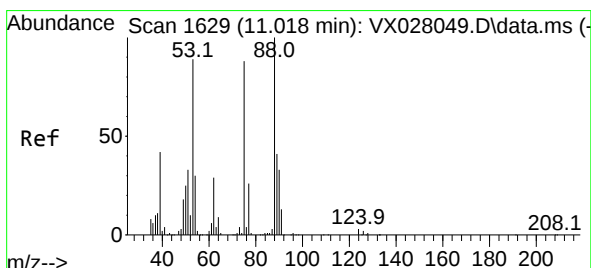
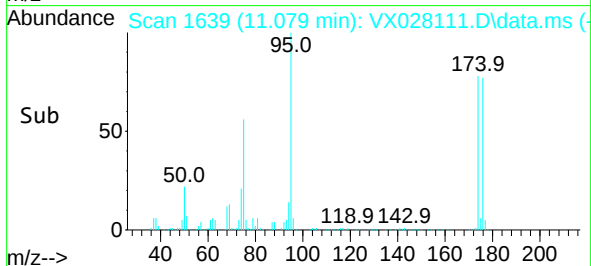
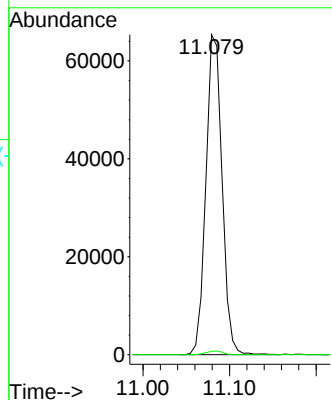
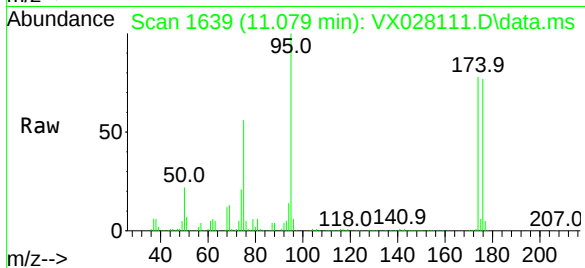
IBLK

Tgt Ion: 75 Resp: 84767

Ion Ratio Lower Upper

75 100

77 1.2 19.4 58.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.989 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028111.D

Acq: 14 Apr 2022 16:48

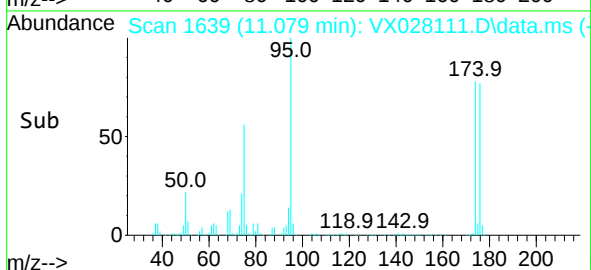
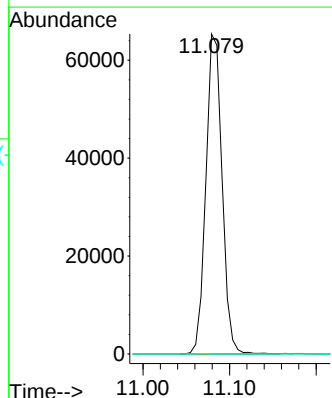
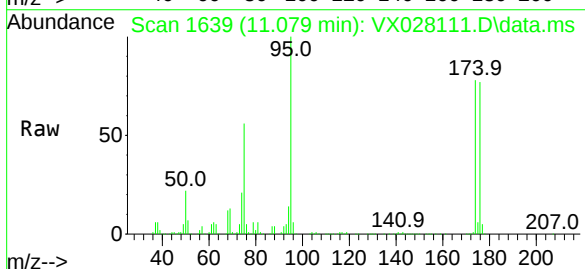
Tgt Ion: 75 Resp: 84767

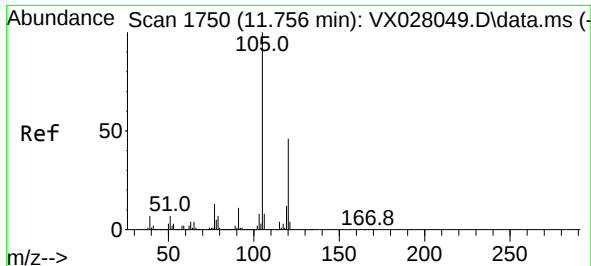
Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.1 37.0 55.6#

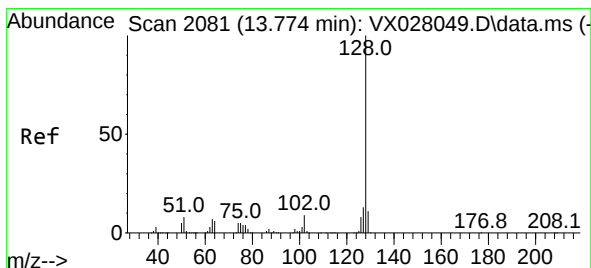
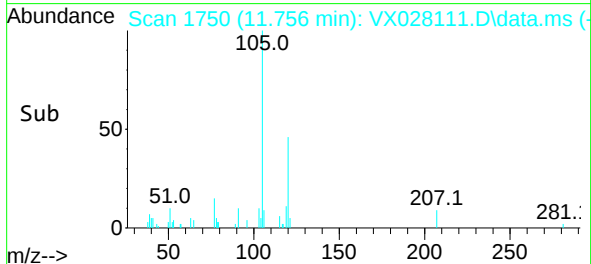
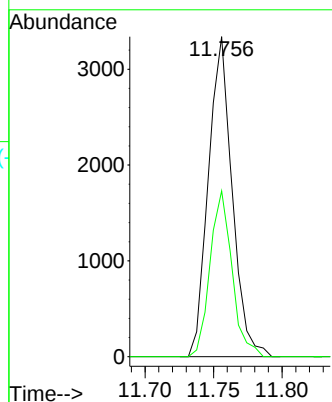
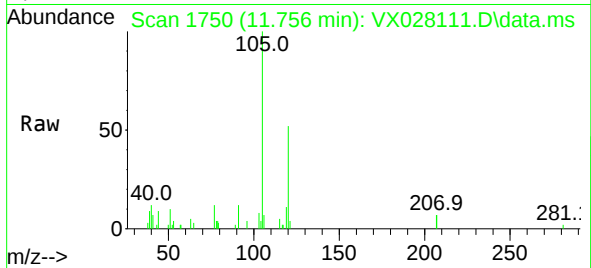




#84
1,2,4-Trimethylbenzene
Concen: 0.406 ug/l
RT: 11.756 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028111.D
Acq: 14 Apr 2022 16:48

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:105 Resp: 4022
Ion Ratio Lower Upper
105 100
120 47.9 22.6 67.8



#95
Naphthalene
Concen: 0.277 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX028111.D
Acq: 14 Apr 2022 16:48

Tgt Ion:128 Resp: 3012
Ion Ratio Lower Upper
128 100
127 11.9 10.2 15.4
129 11.4 8.7 13.1

