

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042722\
 Data File : VX028390.D
 Acq On : 27 Apr 2022 19:48
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

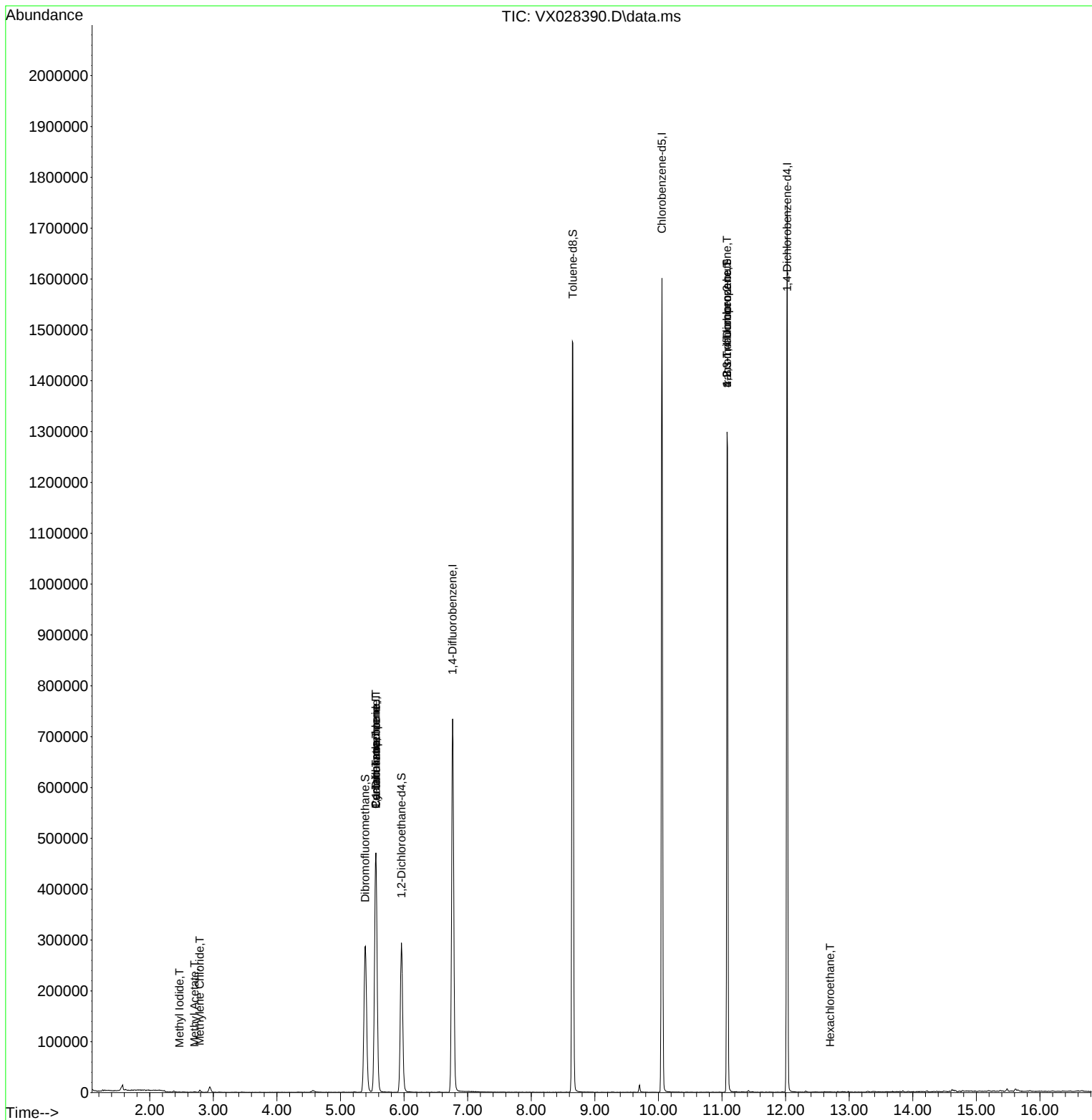
Quant Time: Apr 28 04:27:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

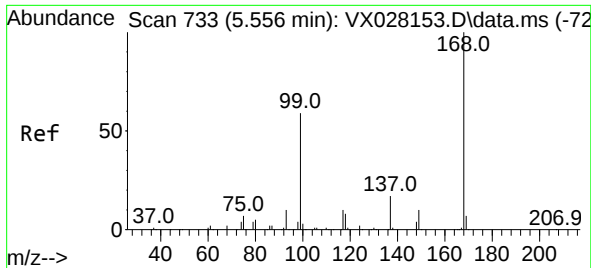
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	469921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	797808	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	752545	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	361058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	268822	43.873	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	87.740%
35) Dibromofluoromethane	5.385	113	251449	44.942	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	89.880%
50) Toluene-d8	8.653	98	928680	43.216	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	86.440%
62) 4-Bromofluorobenzene	11.079	95	339864	41.363	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	82.720%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	450	Below Cal	#	84
5) Bromomethane	1.618	94	618	Below Cal		99
6) Chloroethane	1.666	64	303	Below Cal	#	43
8) Diethyl Ether	2.142	74	20	Below Cal	#	7
10) Methyl Iodide	2.465	142	281	5.283	ug/l #	68
11) Tert butyl alcohol	2.947	59	5928	Below Cal	#	73
16) Acetone	2.374	43	2599	Below Cal	#	83
18) Methyl Acetate	2.703	43	1139	0.209	ug/l #	84
20) Methylene Chloride	2.788	84	1773	0.390	ug/l #	91
31) Cyclohexane	5.556	56	8395	1.125	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	33738	4.623	ug/l #	50
38) Carbon Tetrachloride	5.556	117	46676	5.665	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	165433	23.281	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	165433	69.186	ug/l #	15
90) Hexachloroethane	12.701	117	138	1.847	ug/l #	10

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

Quant Time: Apr 28 04:27:08 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
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Response via : Initial Calibration

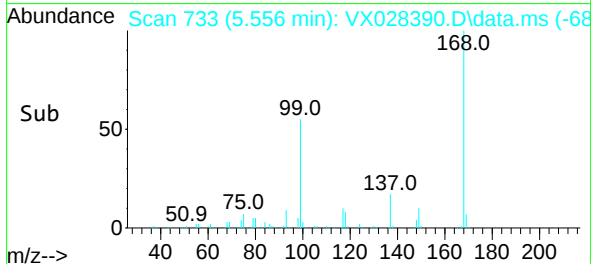
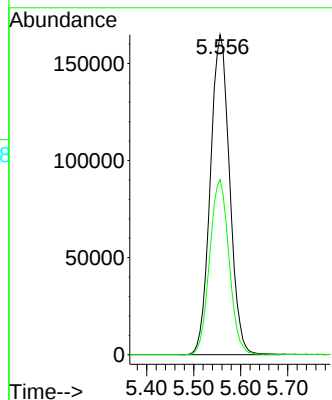
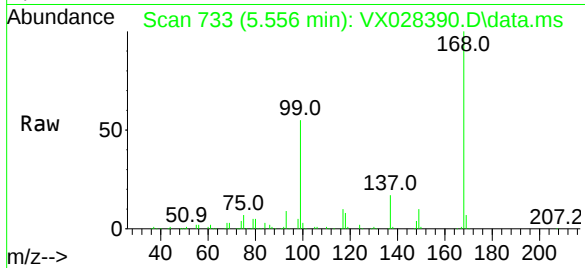




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028390.D
Acq: 27 Apr 2022 19:48

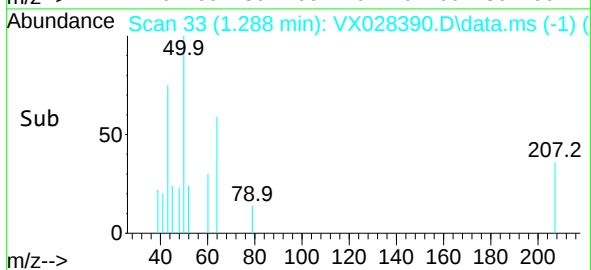
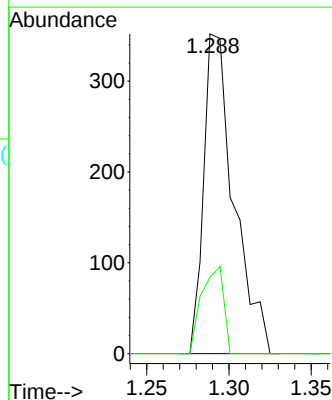
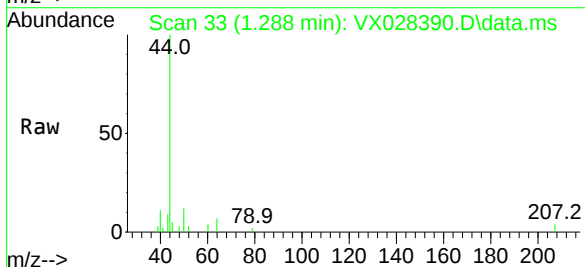
Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:168 Resp: 469921
Ion Ratio Lower Upper
168 100
99 54.7 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028390.D
Acq: 27 Apr 2022 19:48

Tgt Ion: 50 Resp: 450
Ion Ratio Lower Upper
50 100
52 23.9 26.4 39.6#

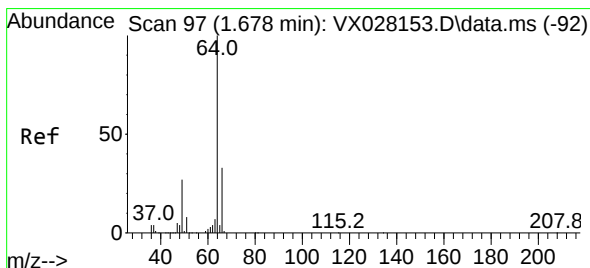
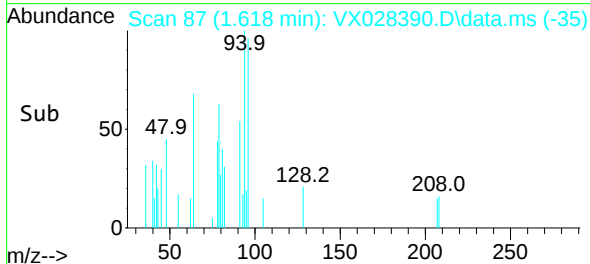
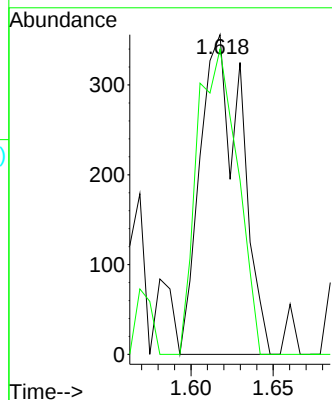
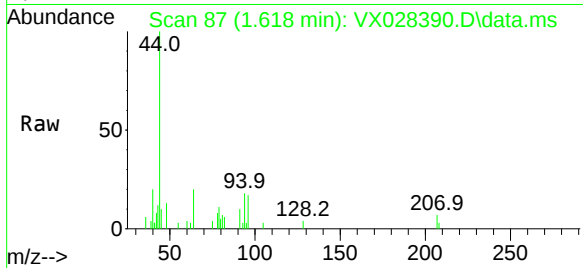




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028390.D
Acq: 27 Apr 2022 19:48

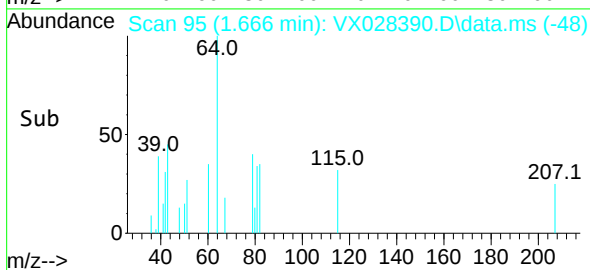
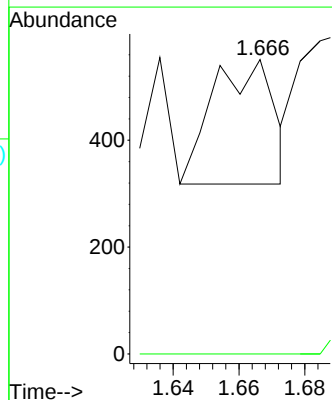
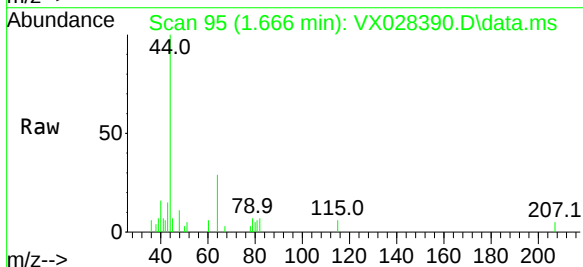
Instrument :
MSVOA_X
ClientSampleId :
IBLK

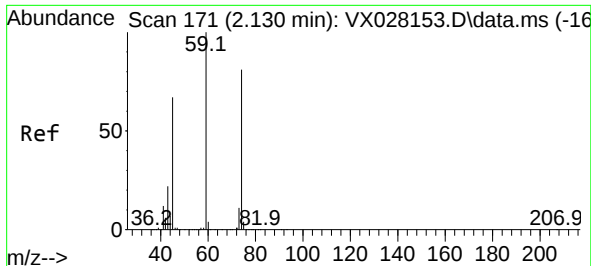
Tgt Ion: 94 Resp: 618
Ion Ratio Lower Upper
94 100
96 95.5 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX028390.D
Acq: 27 Apr 2022 19:48

Tgt Ion: 64 Resp: 303
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

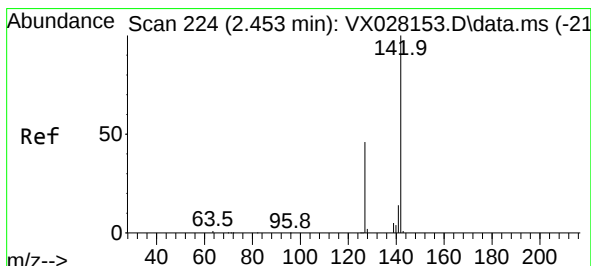
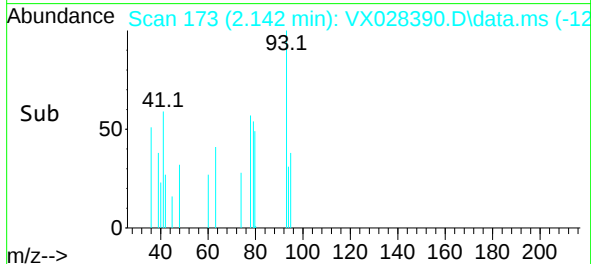
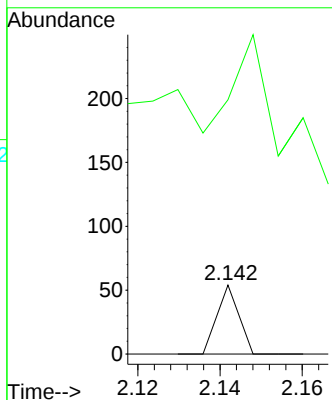
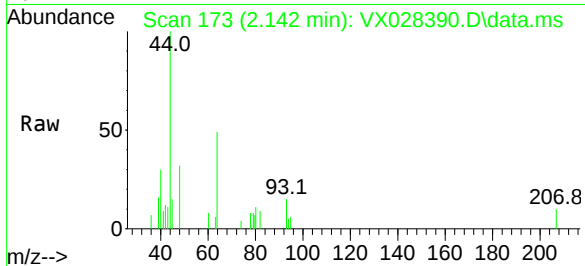




#8
Diethyl Ether
Concen: Below Cal
RT: 2.142 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX028390.D
Acq: 27 Apr 2022 19:48

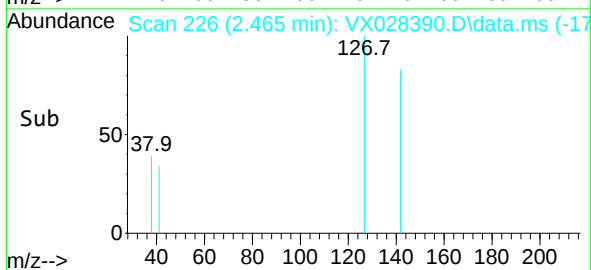
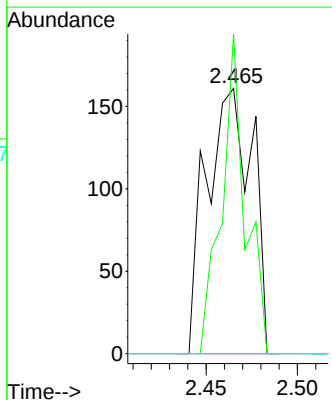
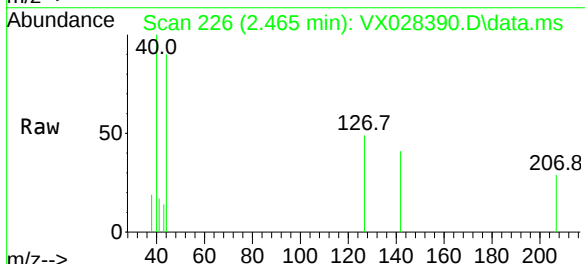
Instrument :
MSVOA_X
ClientSampleId :
IBLK

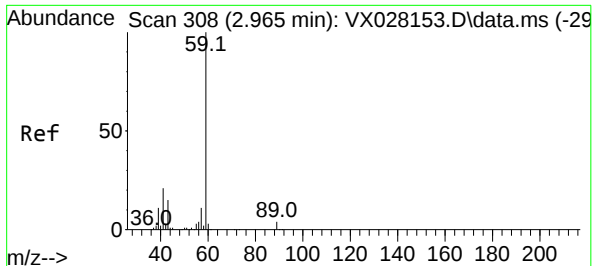
Tgt Ion: 74 Resp: 20
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.283 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028390.D
Acq: 27 Apr 2022 19:48

Tgt Ion: 142 Resp: 281
Ion Ratio Lower Upper
142 100
127 62.3 33.9 50.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 308

Delta R.T. -0.018 min

Lab File: VX028390.D

Acq: 27 Apr 2022 19:48

Instrument :

MSVOA_X

ClientSampleId :

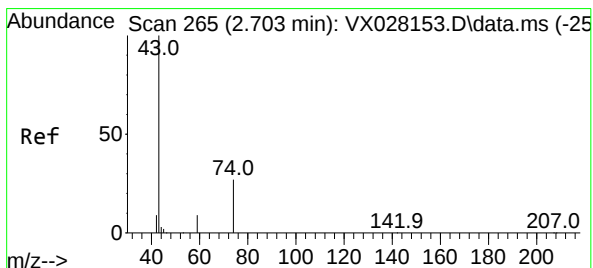
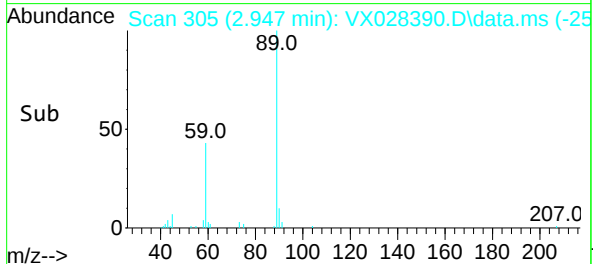
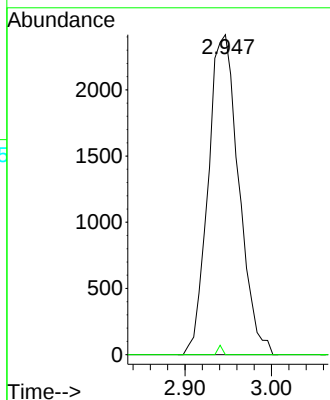
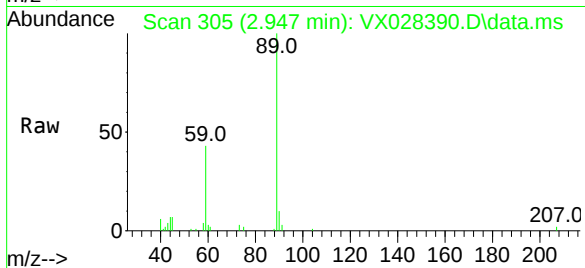
IBLK

Tgt Ion: 59 Resp: 5928

Ion Ratio Lower Upper

59 100

57 0.4 8.3 12.5#



#18

Methyl Acetate

Concen: 0.209 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX028390.D

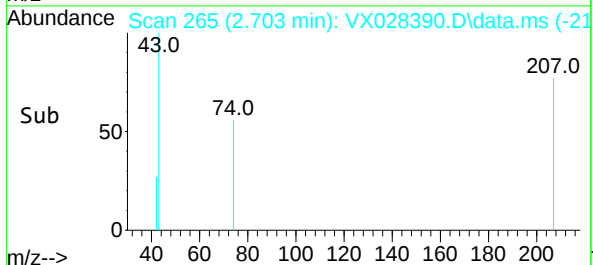
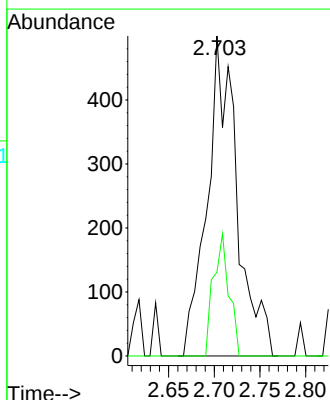
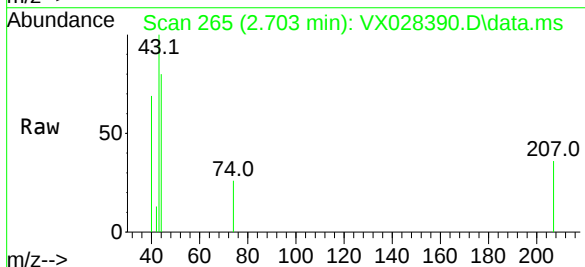
Acq: 27 Apr 2022 19:48

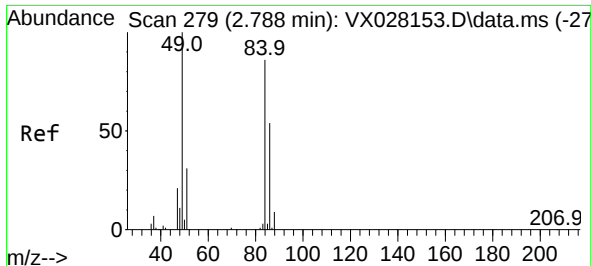
Tgt Ion: 43 Resp: 1139

Ion Ratio Lower Upper

43 100

74 19.8 22.8 34.2#





#20

Methylene Chloride

Concen: 0.390 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX028390.D

Acq: 27 Apr 2022 19:48

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion: 84 Resp: 1773

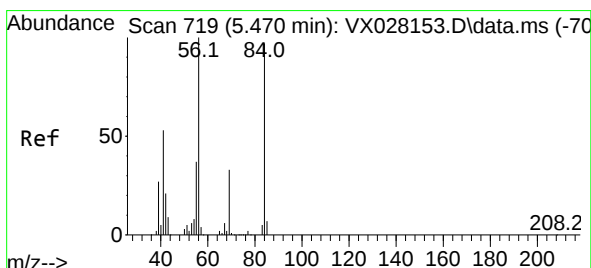
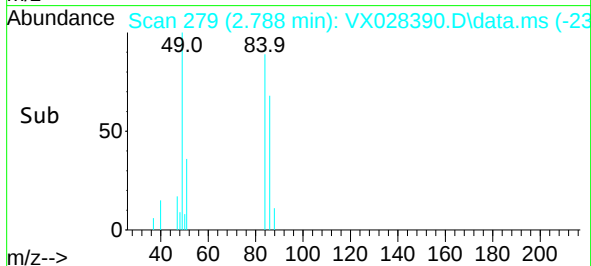
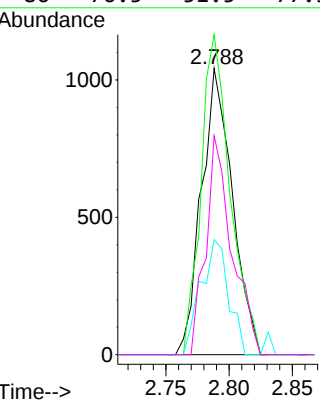
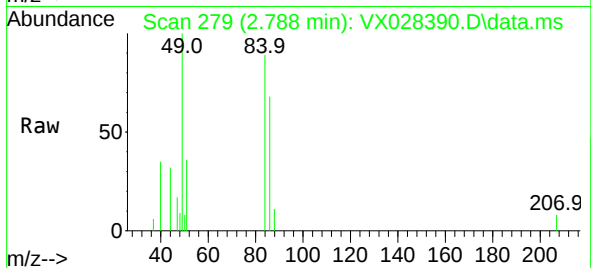
Ion Ratio Lower Upper

84 100

49 111.8 85.5 128.3

51 40.2 26.6 39.8#

86 76.5 51.5 77.3



#31

Cyclohexane

Concen: 1.125 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX028390.D

Acq: 27 Apr 2022 19:48

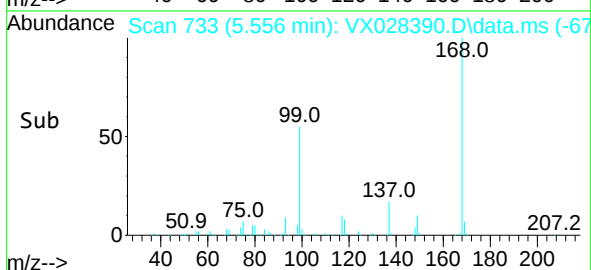
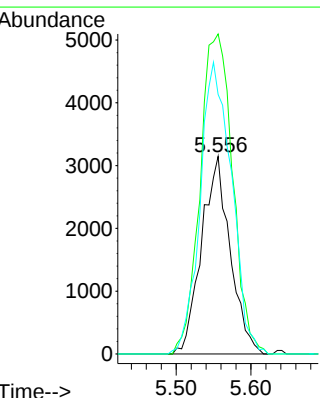
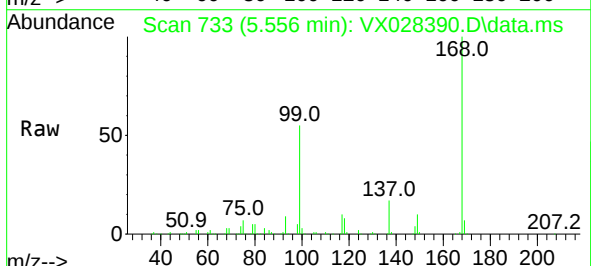
Tgt Ion: 56 Resp: 8395

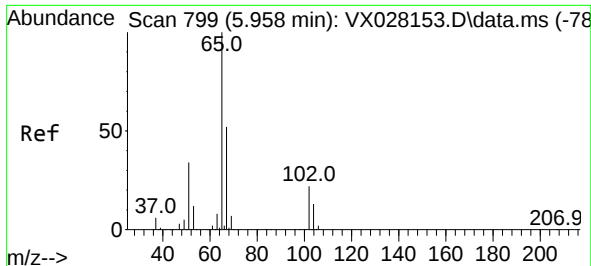
Ion Ratio Lower Upper

56 100

69 162.0 26.7 40.1#

84 131.3 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 43.873 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028390.D

Acq: 27 Apr 2022 19:48

Instrument :

MSVOA_X

ClientSampleId :

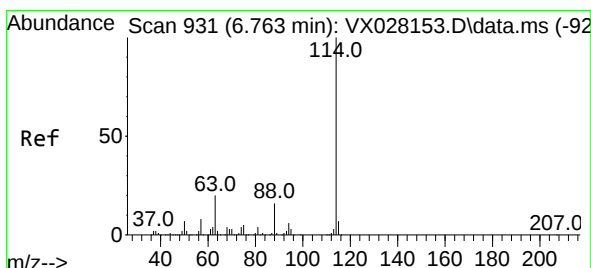
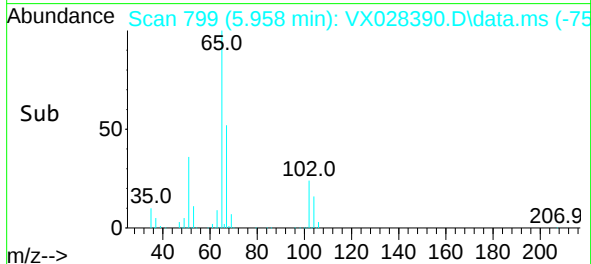
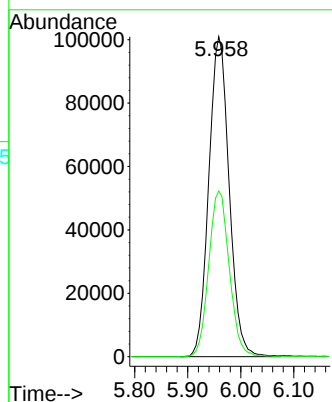
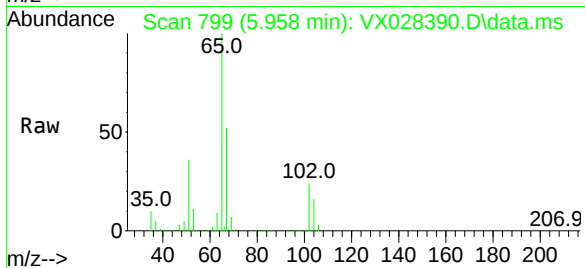
IBLK

Tgt Ion: 65 Resp: 268822

Ion Ratio Lower Upper

65 100

67 52.4 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: VX028390.D

Acq: 27 Apr 2022 19:48

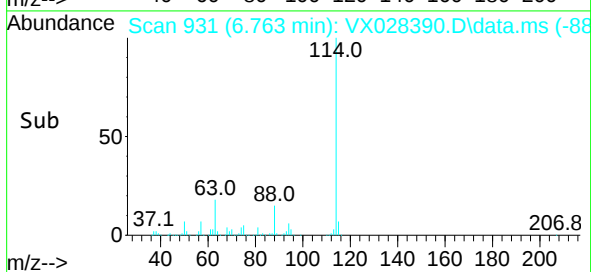
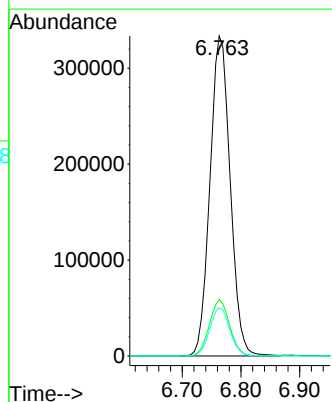
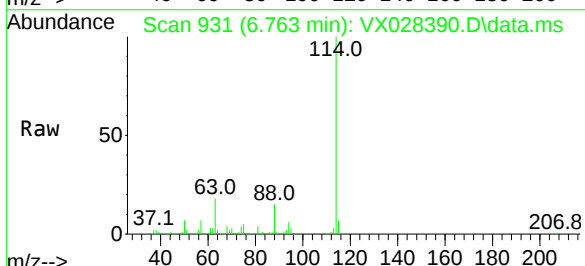
Tgt Ion: 114 Resp: 797808

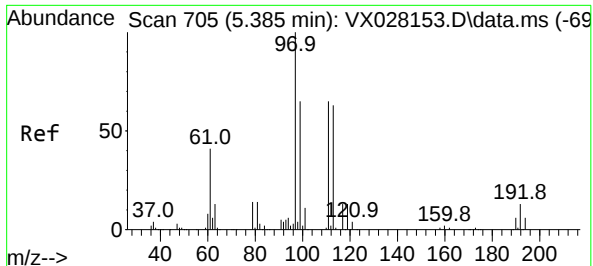
Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.8

88 15.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 44.942 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX028390.D

Acq: 27 Apr 2022 19:48

Instrument :

MSVOA_X

ClientSampleId :

IBLK

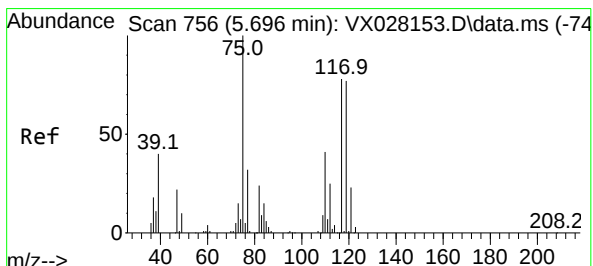
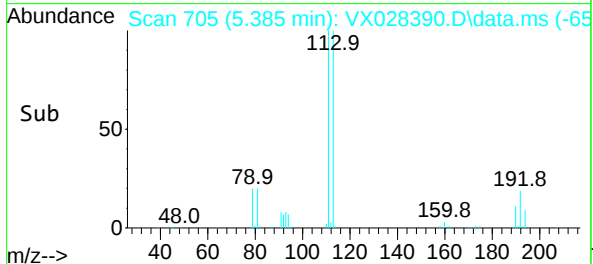
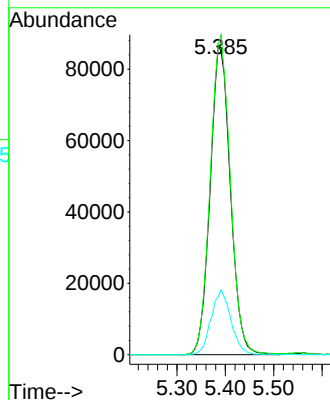
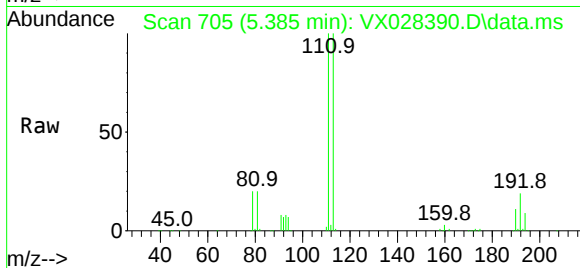
Tgt Ion:113 Resp: 251449

Ion Ratio Lower Upper

113 100

111 103.0 82.8 124.2

192 20.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.623 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX028390.D

Acq: 27 Apr 2022 19:48

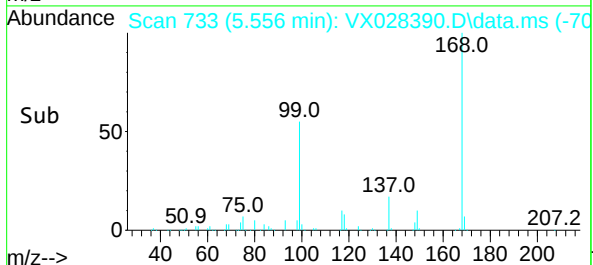
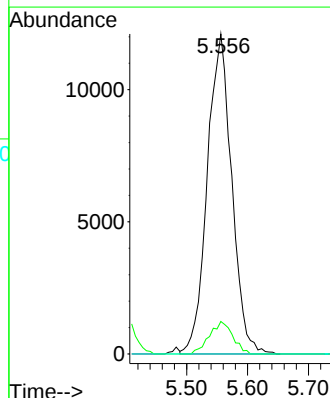
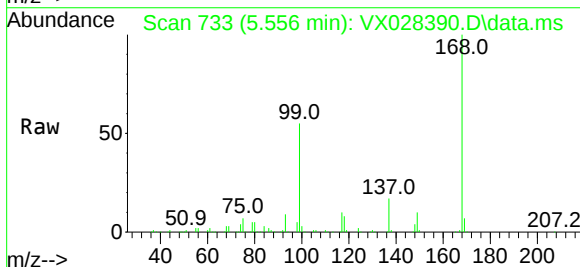
Tgt Ion: 75 Resp: 33738

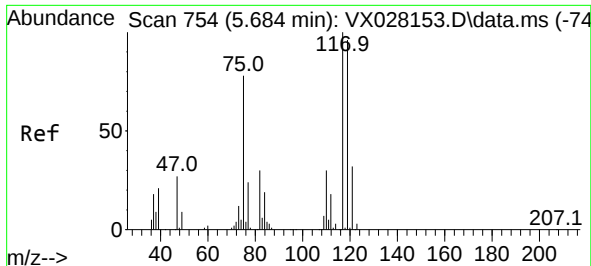
Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

77 0.0 24.8 37.2#

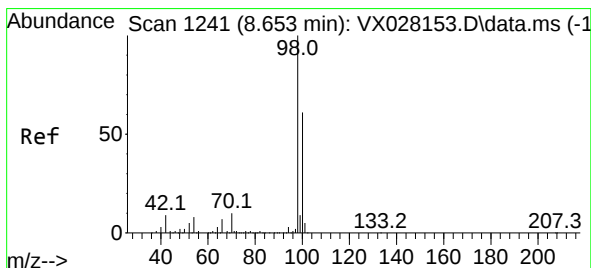
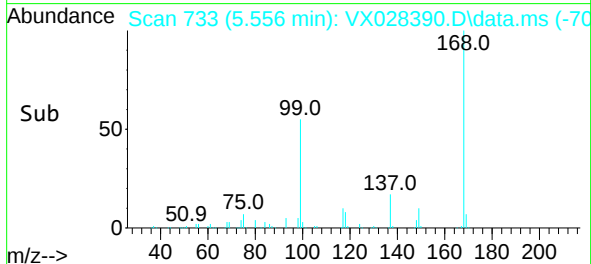
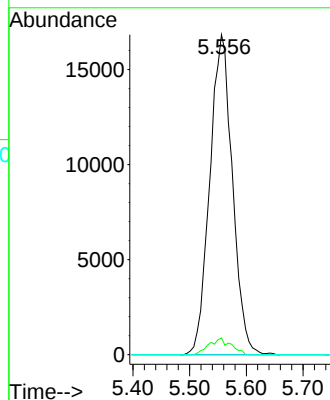
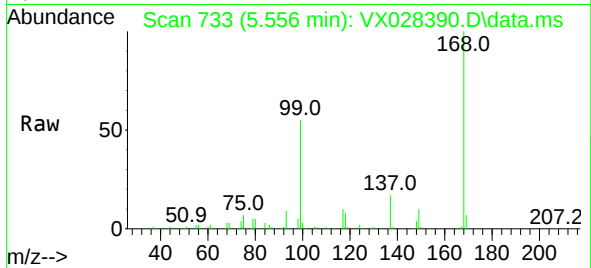




#38
Carbon Tetrachloride
Concen: 5.665 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028390.D
Acq: 27 Apr 2022 19:48

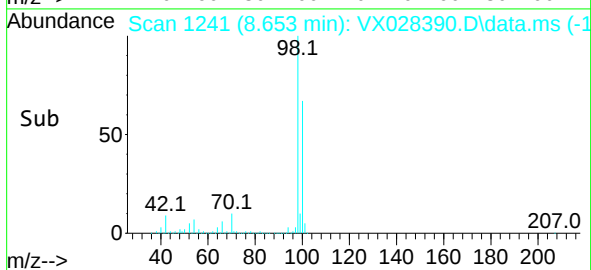
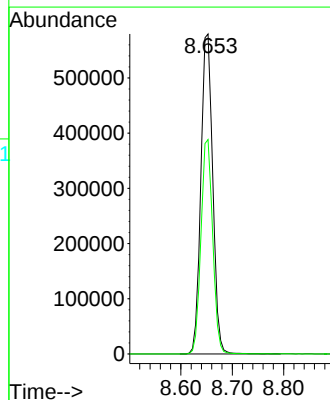
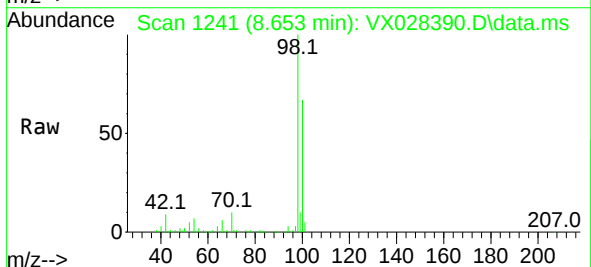
Instrument :
MSVOA_X
ClientSampleId :
IBLK

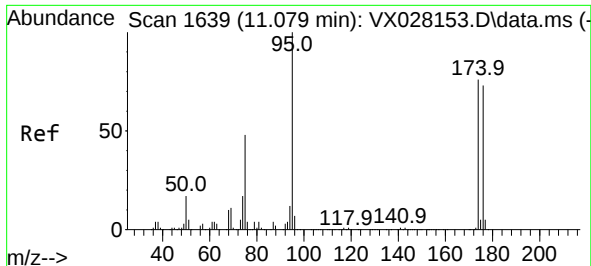
Tgt Ion:117 Resp: 46676
Ion Ratio Lower Upper
117 100
119 5.3 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 43.216 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028390.D
Acq: 27 Apr 2022 19:48

Tgt Ion: 98 Resp: 928680
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8

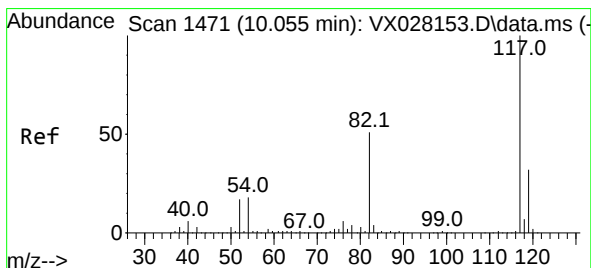
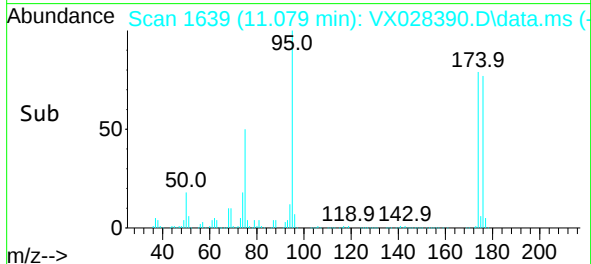
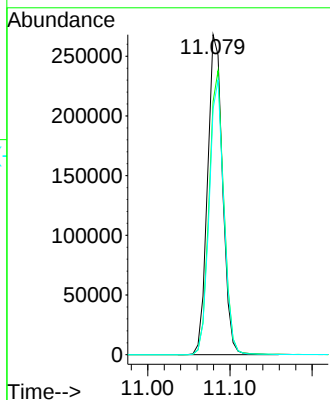
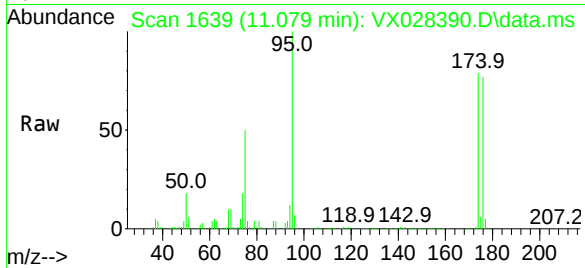




#62
4-Bromofluorobenzene
Concen: 41.363 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028390.D
Acq: 27 Apr 2022 19:48

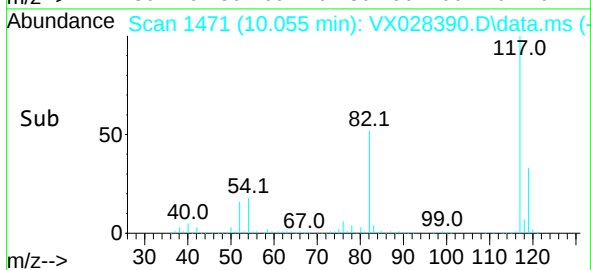
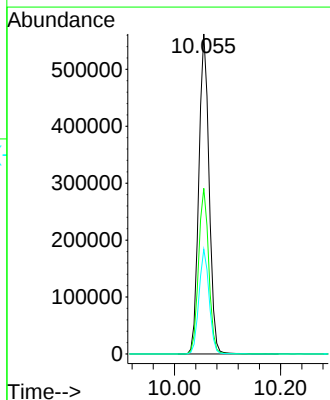
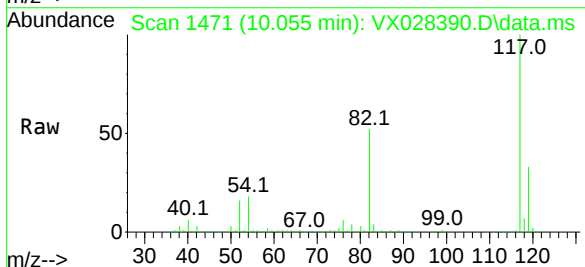
Instrument :
MSVOA_X
ClientSampleId :
IBLK

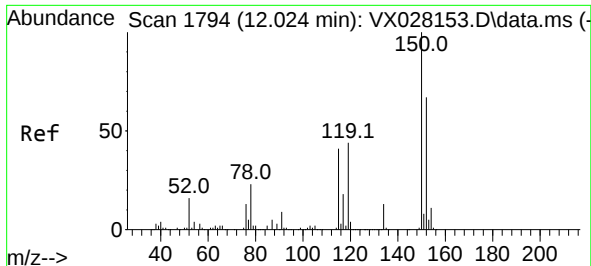
Tgt Ion: 95 Resp: 339864
Ion Ratio Lower Upper
95 100
174 87.1 0.0 163.0
176 84.0 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028390.D
Acq: 27 Apr 2022 19:48

Tgt Ion: 117 Resp: 752545
Ion Ratio Lower Upper
117 100
82 51.8 41.8 62.8
119 32.7 24.8 37.2

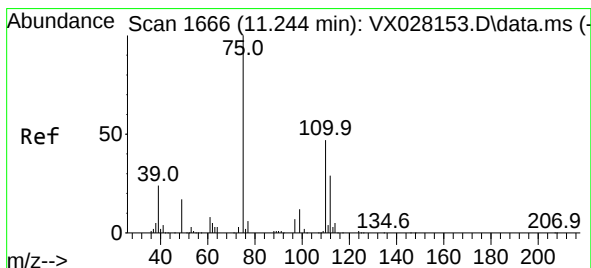
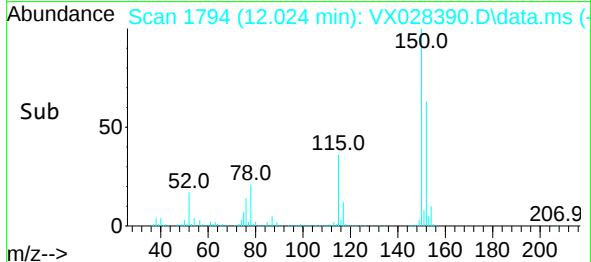
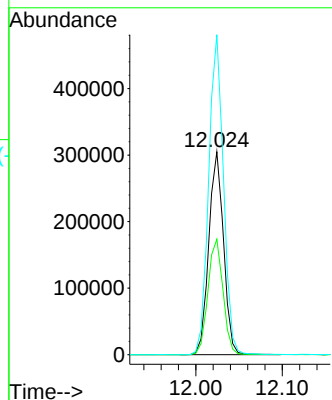
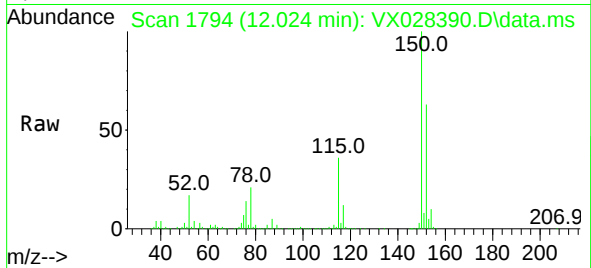




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028390.D
 Acq: 27 Apr 2022 19:48

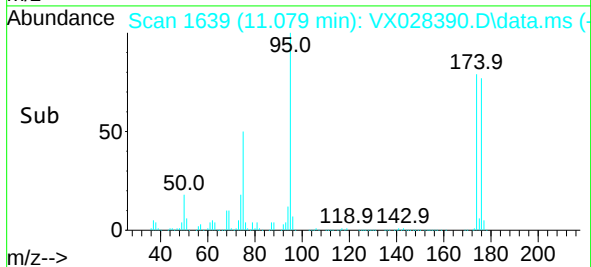
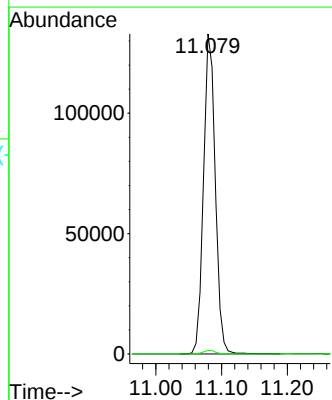
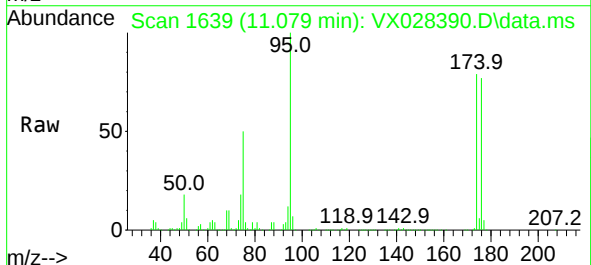
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

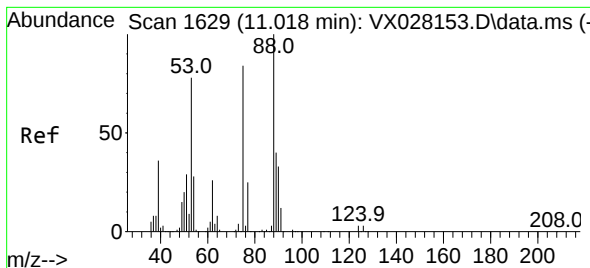
Tgt Ion:152 Resp: 361058
 Ion Ratio Lower Upper
 152 100
 115 58.0 37.5 112.7
 150 157.7 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 23.281 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028390.D
 Acq: 27 Apr 2022 19:48

Tgt Ion: 75 Resp: 165433
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#

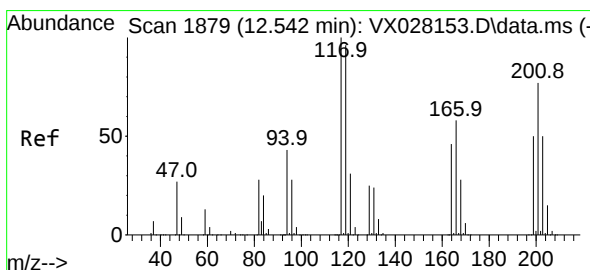
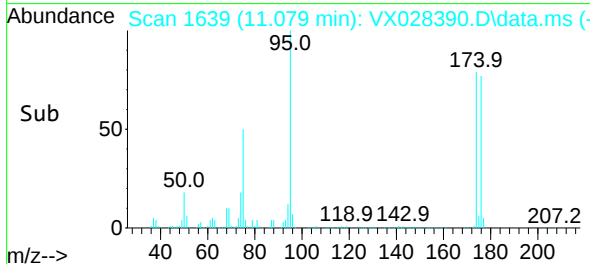
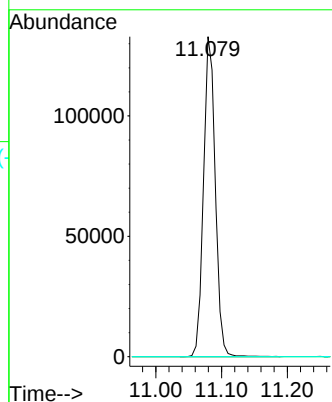
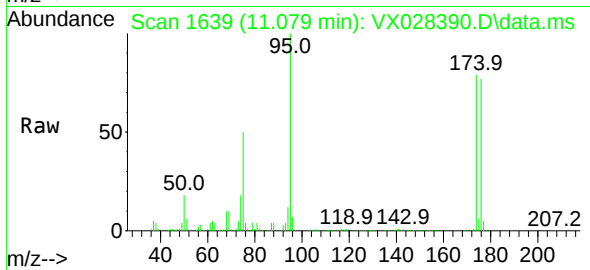




#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.186 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX028390.D
 Acq: 27 Apr 2022 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Tgt Ion: 75 Resp: 165433
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#



#90
 Hexachloroethane
 Concen: 1.847 ug/l
 RT: 12.701 min Scan# 1905
 Delta R.T. 0.159 min
 Lab File: VX028390.D
 Acq: 27 Apr 2022 19:48

Tgt Ion: 117 Resp: 138
 Ion Ratio Lower Upper
 117 100
 201 0.0 39.5 118.5#

