

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040622\
 Data File : VX027994.D
 Acq On : 06 Apr 2022 13:41
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Apr 07 08:05:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 05 15:58:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	105626	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	177407	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	165509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82119	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	74006	56.157	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 112.320%	
35) Dibromofluoromethane	5.385	113	57049	47.519	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 95.040%	
50) Toluene-d8	8.653	98	209937	47.861	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 95.720%	
62) 4-Bromofluorobenzene	11.085	95	88382	51.237	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.480%	

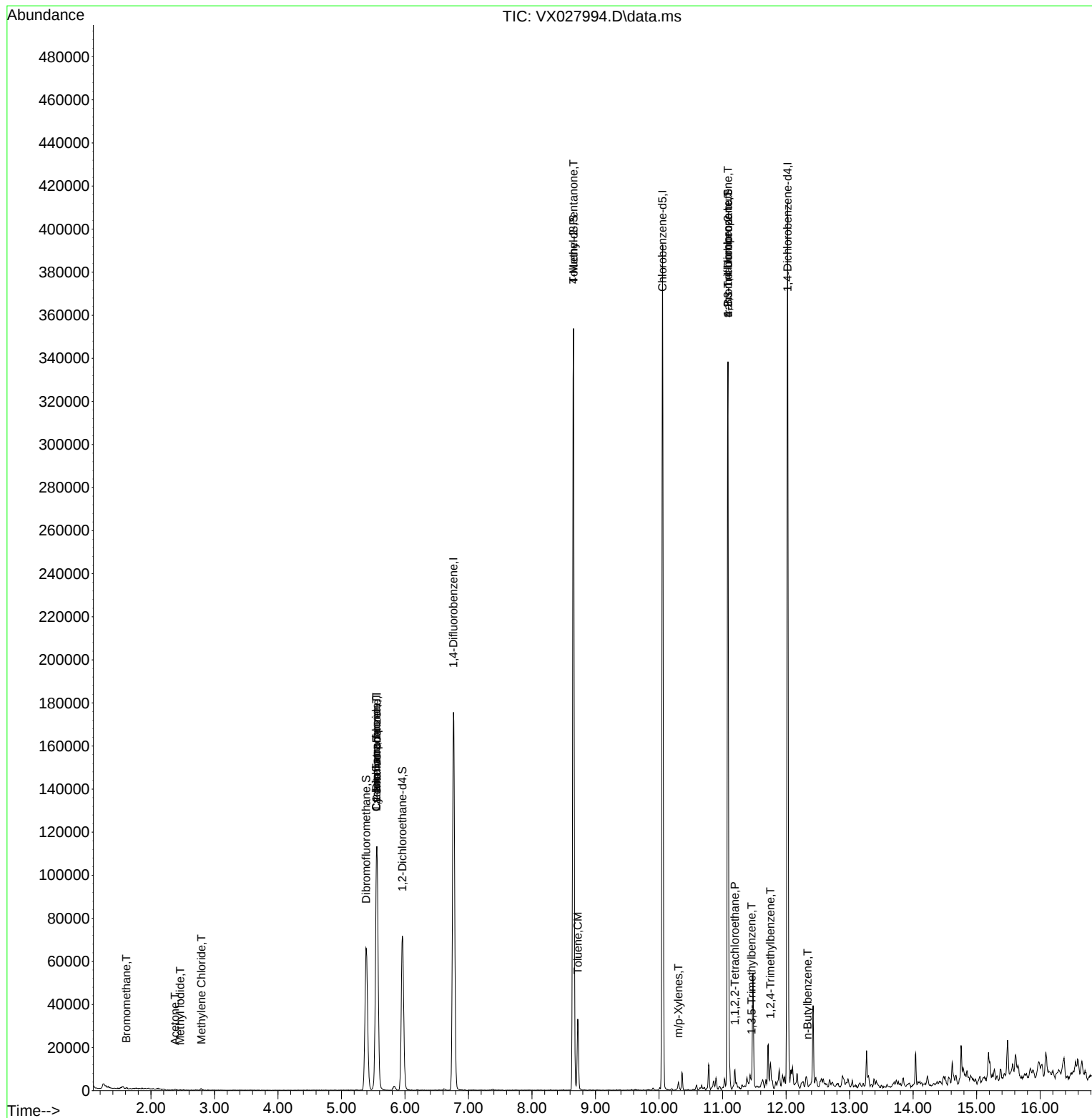
Target Compounds			Qvalue			
5) Bromomethane	1.611	94	238	0.554	ug/l	91
6) Chloroethane	1.678	64	122	Below Cal	#	43
10) Methyl Iodide	2.459	142	200	3.650	ug/l	# 54
16) Acetone	2.380	43	434	0.880	ug/l	89
20) Methylene Chloride	2.794	84	293	0.265	ug/l	# 83
31) Cyclohexane	5.550	56	2722	1.595	ug/l	# 17
36) 1,1-Dichloropropene	5.550	75	8564	5.426	ug/l	# 49
38) Carbon Tetrachloride	5.550	117	11483	6.546	ug/l	# 15
51) 4-Methyl-2-Pentanone	8.653	43	926	0.565	ug/l	# 1
52) Toluene	8.720	92	12139	4.020	ug/l	98
68) m/p-Xylenes	10.305	106	722	0.307	ug/l	76
75) 1,1,2,2-Tetrachloroethane	11.195	83	416	0.221	ug/l	# 74
76) 1,2,3-Trichloropropane	11.085	75	46044	27.309	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.457	105	1134	0.230	ug/l	88
81) trans-1,4-Dichloro-2-b...	11.085	75	46044	86.095	ug/l	# 15
84) 1,2,4-Trimethylbenzene	11.756	105	4532	0.908	ug/l	88
89) n-Butylbenzene	12.341	91	1211	0.278	ug/l	# 73

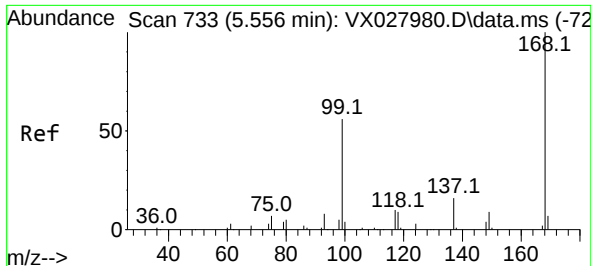
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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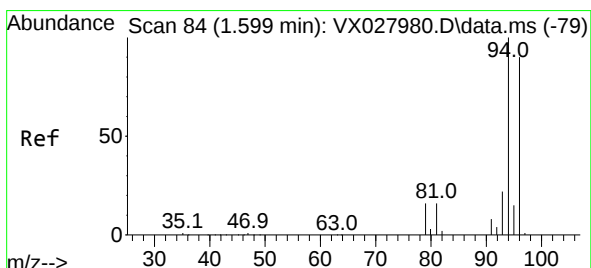
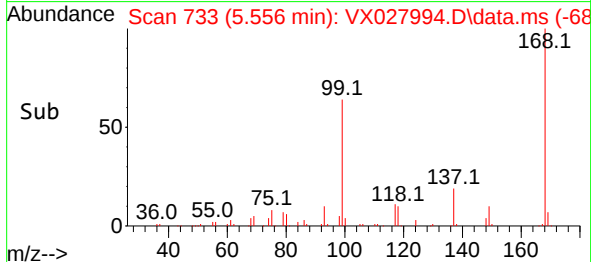
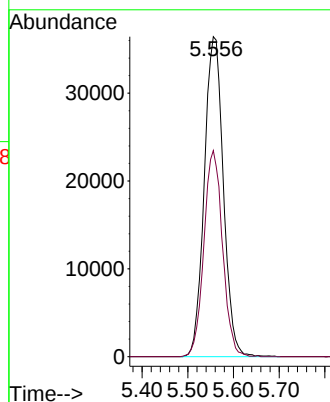
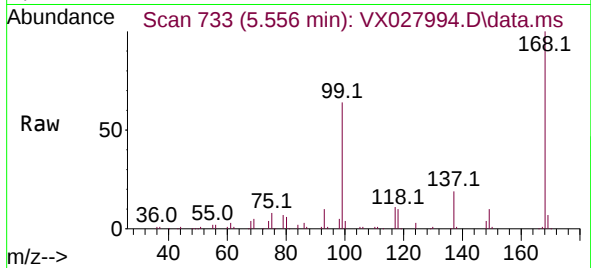




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027994.D
Acq: 06 Apr 2022 13:41

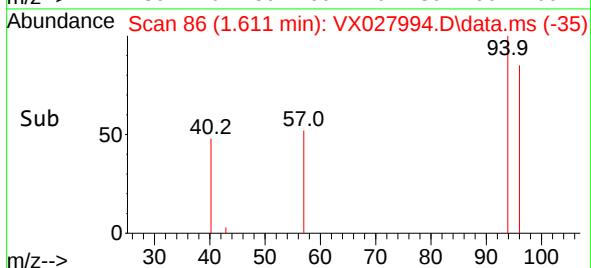
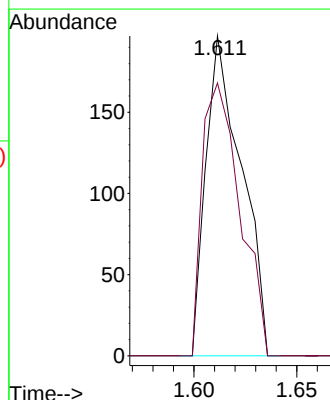
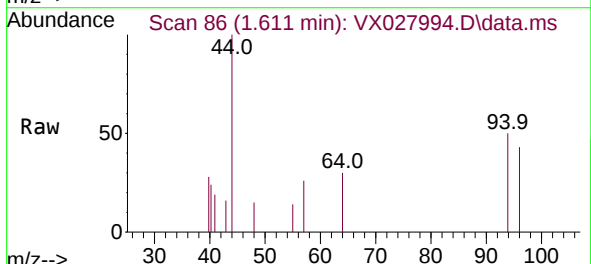
Instrument :
MSVOA_X
ClientSampleId :
IBLK

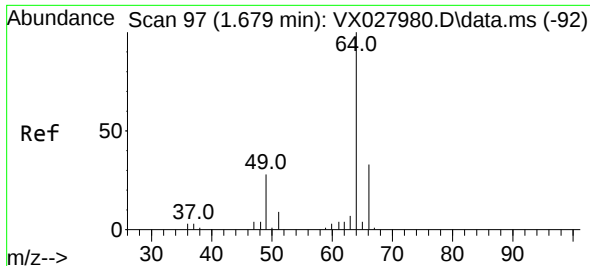
Tgt Ion:168 Resp: 105626
Ion Ratio Lower Upper
168 100
99 64.4 41.7 62.5#



#5
Bromomethane
Concen: 0.554 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX027994.D
Acq: 06 Apr 2022 13:41

Tgt Ion: 94 Resp: 238
Ion Ratio Lower Upper
94 100
96 85.3 75.3 112.9

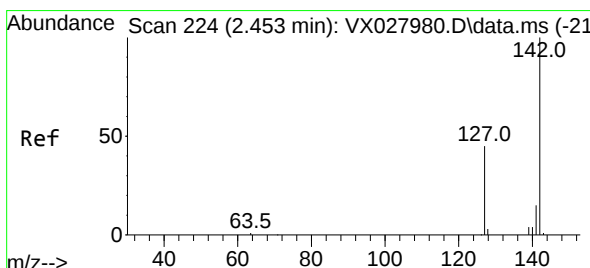
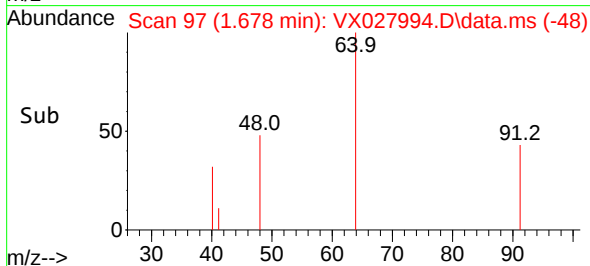
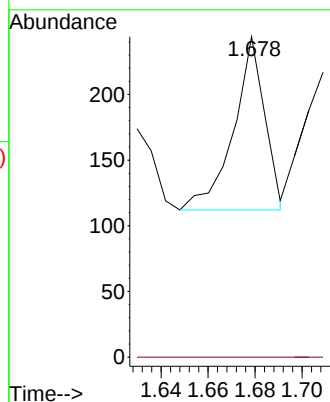
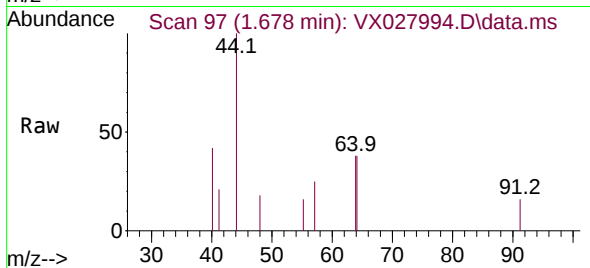




#6
Chloroethane
Concen: Below Cal
RT: 1.678 min Scan# 91
Delta R.T. -0.001 min
Lab File: VX027994.D
Acq: 06 Apr 2022 13:41

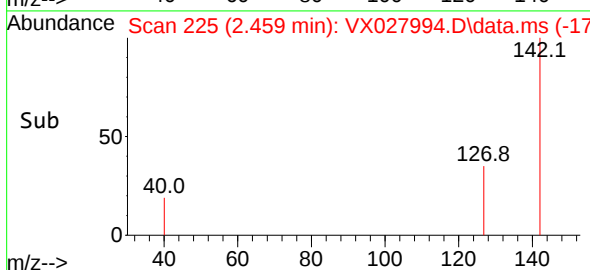
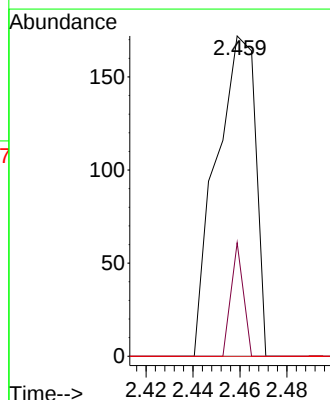
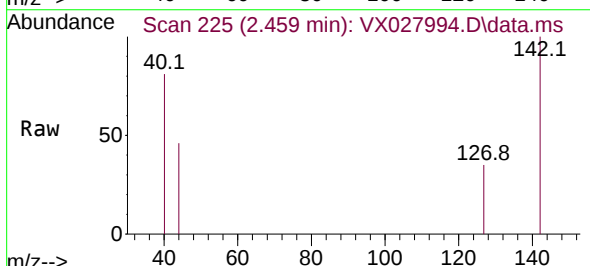
Instrument :
MSVOA_X
ClientSampleId :
IBLK

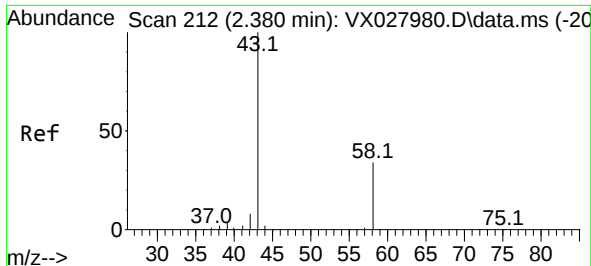
Tgt Ion: 64 Resp: 122
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 3.650 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX027994.D
Acq: 06 Apr 2022 13:41

Tgt Ion: 142 Resp: 200
Ion Ratio Lower Upper
142 100
127 11.0 33.9 50.9#
141 0.0 11.4 17.2#

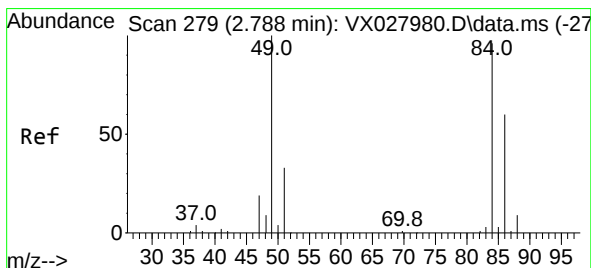
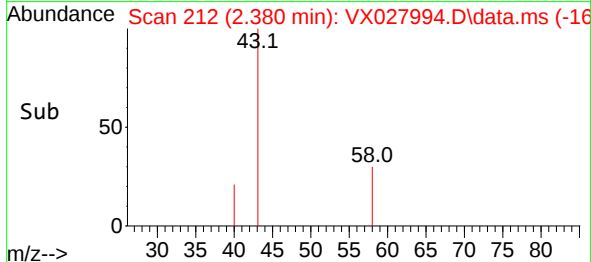
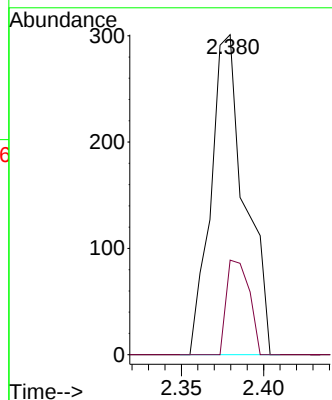
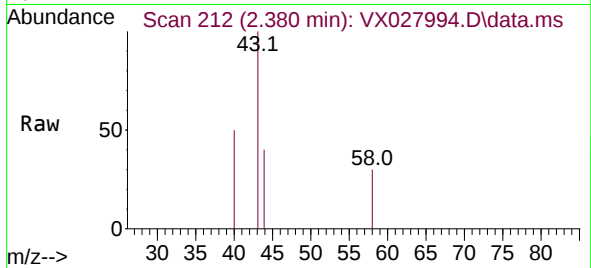




#16
Acetone
Concen: 0.880 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX027994.D
Acq: 06 Apr 2022 13:41

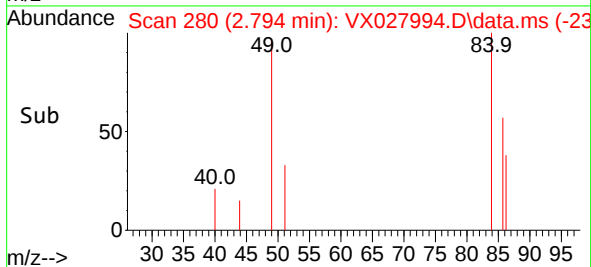
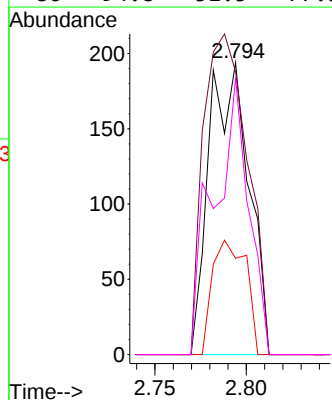
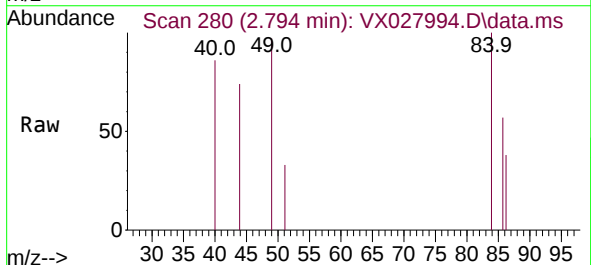
Instrument :
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ClientSampleId :
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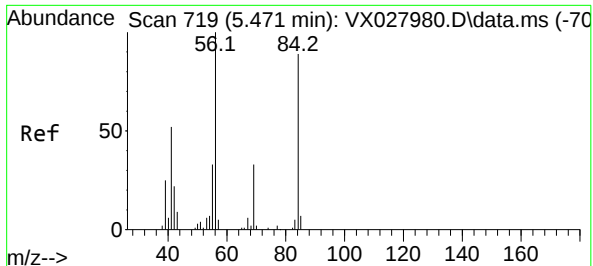
Tgt Ion: 43 Resp: 434
Ion Ratio Lower Upper
43 100
58 29.6 28.8 43.2



#20
Methylene Chloride
Concen: 0.265 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX027994.D
Acq: 06 Apr 2022 13:41

Tgt Ion: 84 Resp: 293
Ion Ratio Lower Upper
84 100
49 96.9 85.5 128.3
51 33.0 26.6 39.8
86 94.8 51.5 77.3#

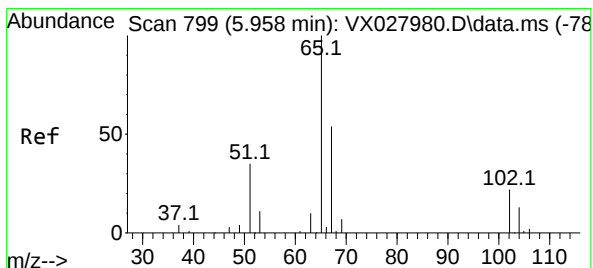
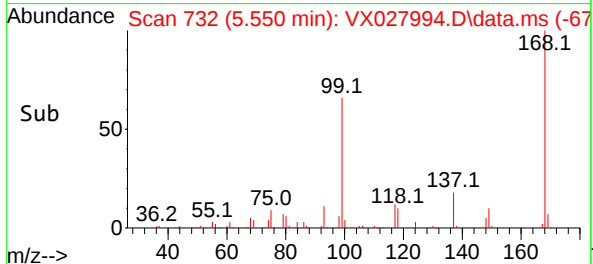
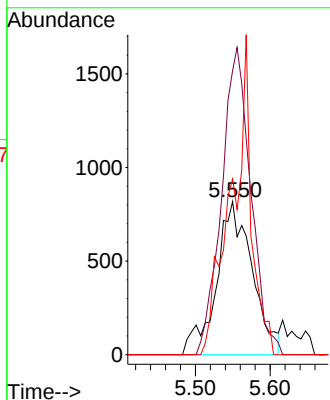
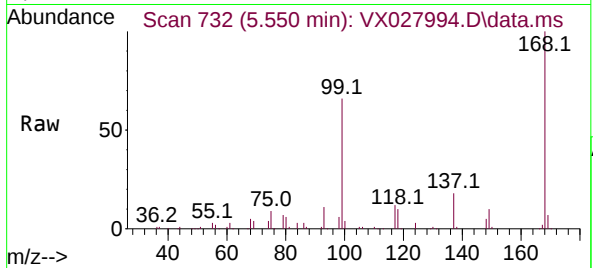




#31
Cyclohexane
Concen: 1.595 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX027994.D
Acq: 06 Apr 2022 13:41

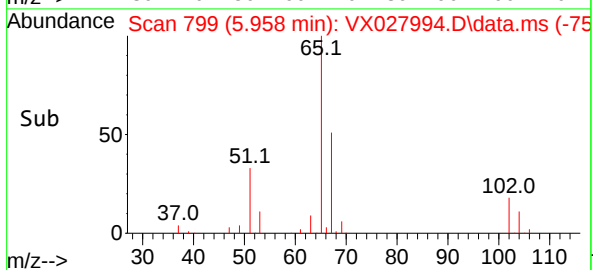
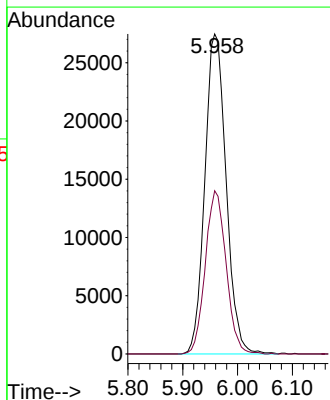
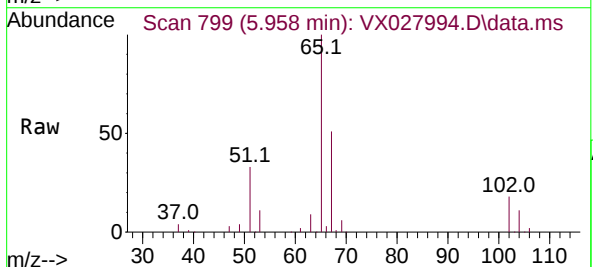
Instrument :
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ClientSampleId :
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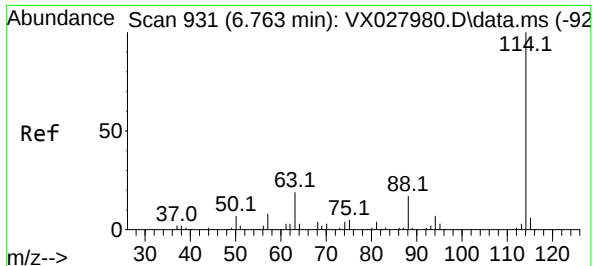
Tgt Ion: 56 Resp: 2722
Ion Ratio Lower Upper
56 100
69 185.5 26.7 40.1#
84 114.8 77.2 115.8



#33
1,2-Dichloroethane-d4
Concen: 56.157 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027994.D
Acq: 06 Apr 2022 13:41

Tgt Ion: 65 Resp: 74006
Ion Ratio Lower Upper
65 100
67 49.9 0.0 107.4

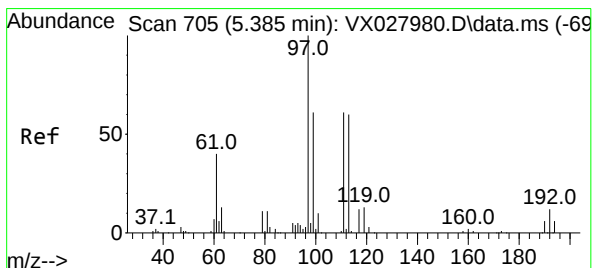
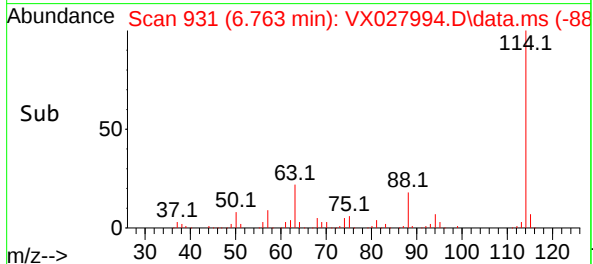
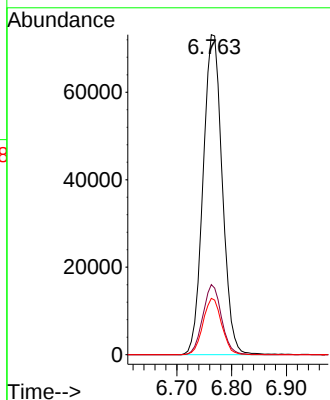
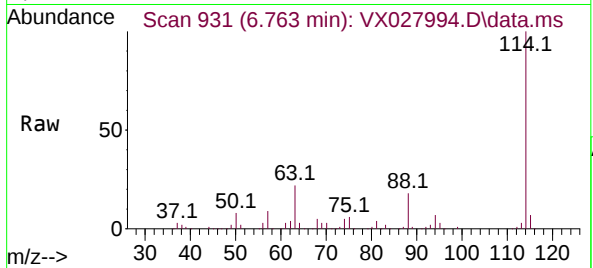




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX027994.D
Acq: 06 Apr 2022 13:41

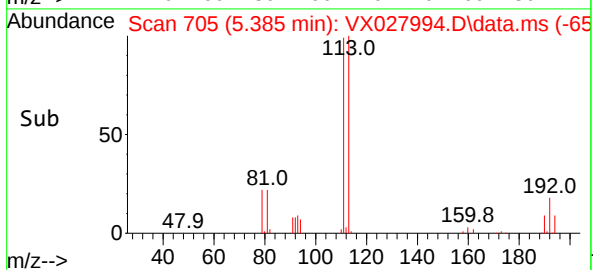
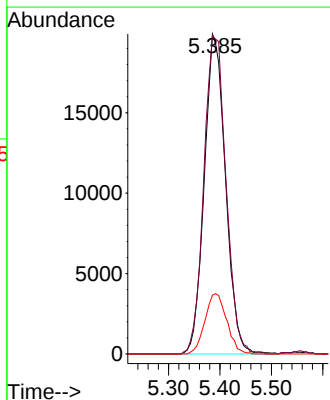
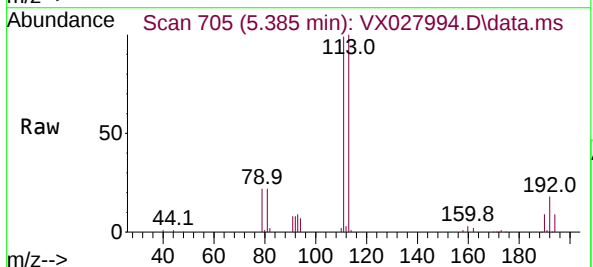
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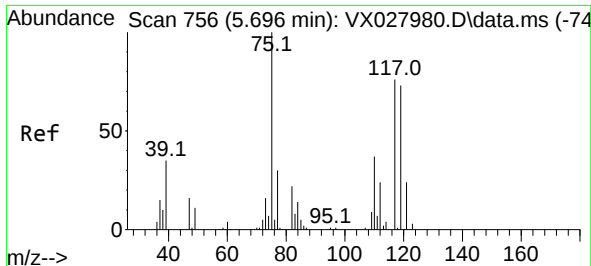
Tgt Ion:114 Resp: 177407
Ion Ratio Lower Upper
114 100
63 21.9 0.0 36.8
88 17.6 0.0 32.4



#35
Dibromofluoromethane
Concen: 47.519 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX027994.D
Acq: 06 Apr 2022 13:41

Tgt Ion:113 Resp: 57049
Ion Ratio Lower Upper
113 100
111 103.9 82.8 124.2
192 19.3 16.9 25.3

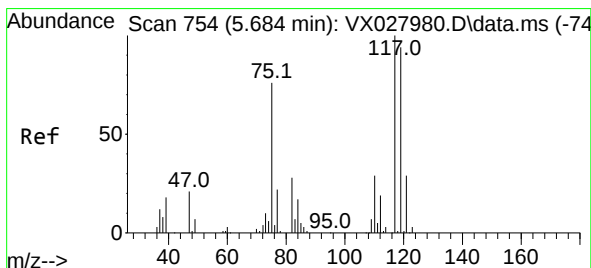
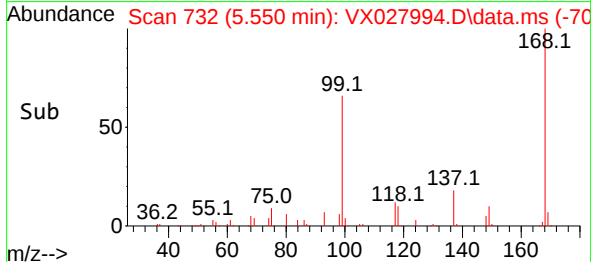
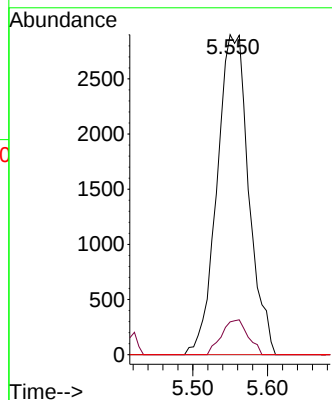
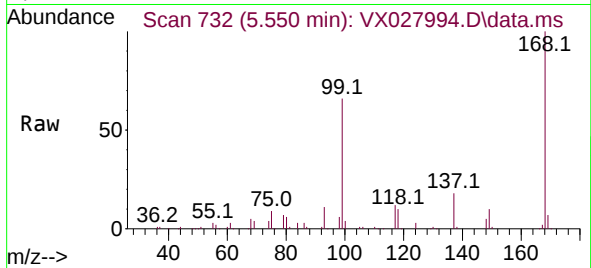




#36
1,1-Dichloropropene
Concen: 5.426 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.146 min
Lab File: VX027994.D
Acq: 06 Apr 2022 13:41

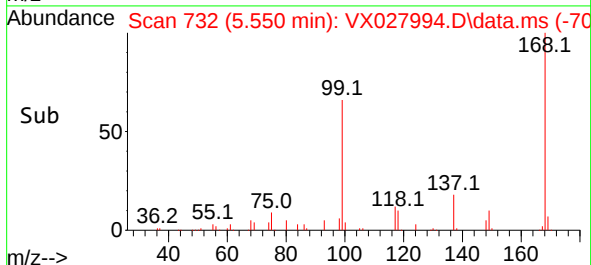
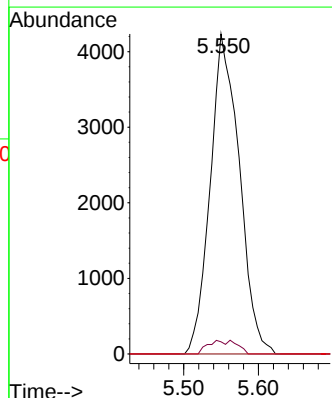
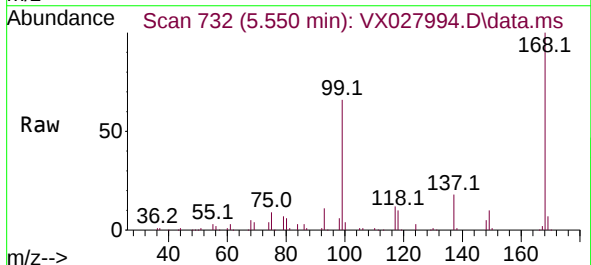
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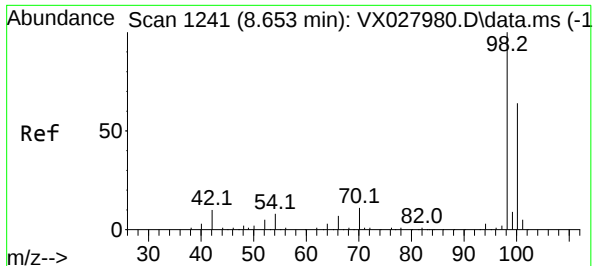
Tgt Ion: 75 Resp: 8564
Ion Ratio Lower Upper
75 100
110 9.0 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.546 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX027994.D
Acq: 06 Apr 2022 13:41

Tgt Ion: 117 Resp: 11483
Ion Ratio Lower Upper
117 100
119 3.8 77.3 115.9#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 47.861 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX027994.D

Acq: 06 Apr 2022 13:41

Instrument :

MSVOA_X

ClientSampleId :

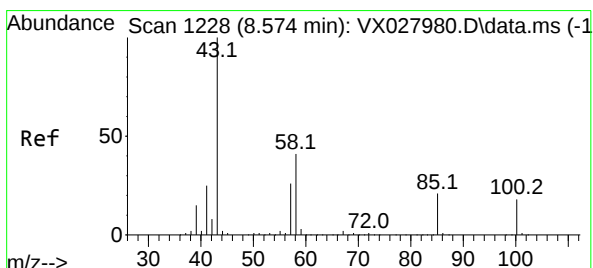
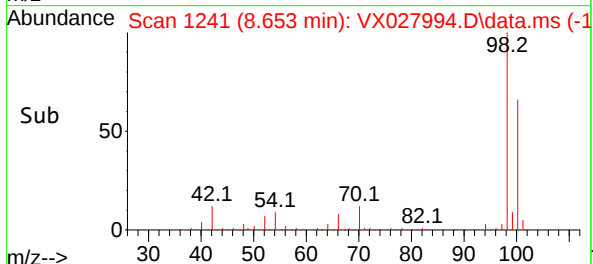
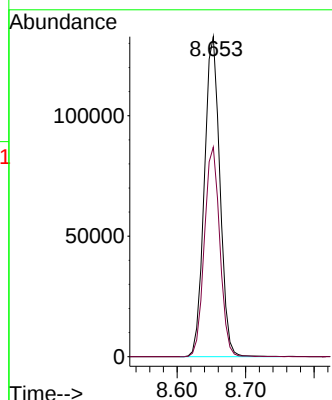
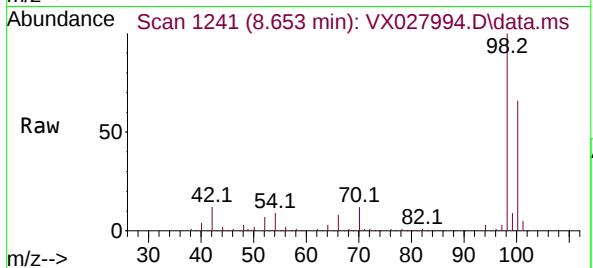
IBLK

Tgt Ion: 98 Resp: 209937

Ion Ratio Lower Upper

98 100

100 65.0 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.565 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX027994.D

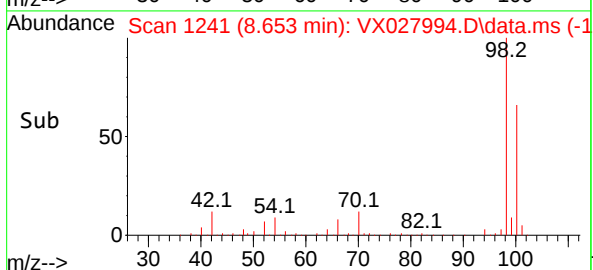
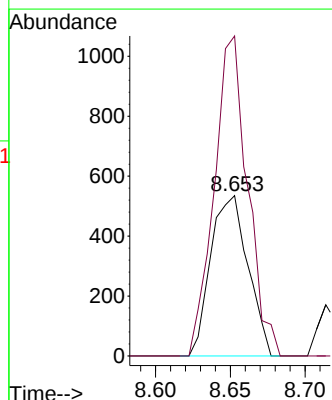
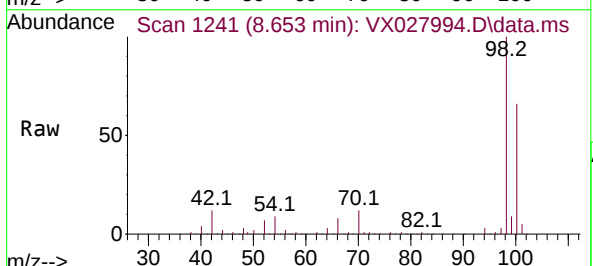
Acq: 06 Apr 2022 13:41

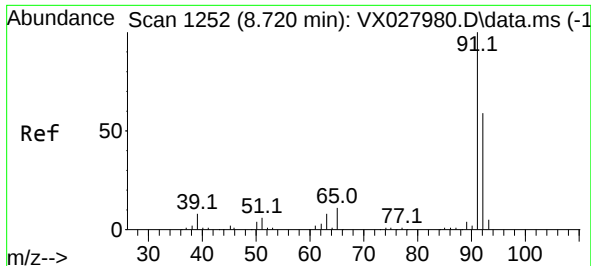
Tgt Ion: 43 Resp: 926

Ion Ratio Lower Upper

43 100

58 179.6 36.1 54.1#

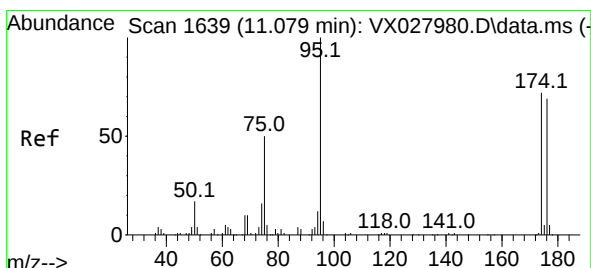
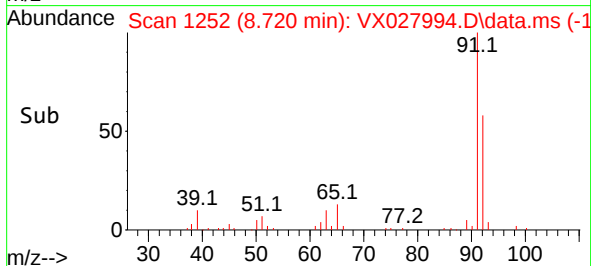
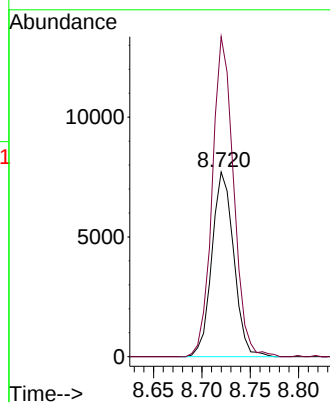
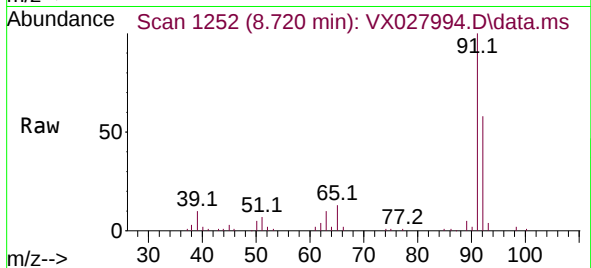




#52
Toluene
Concen: 4.020 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027994.D
Acq: 06 Apr 2022 13:41

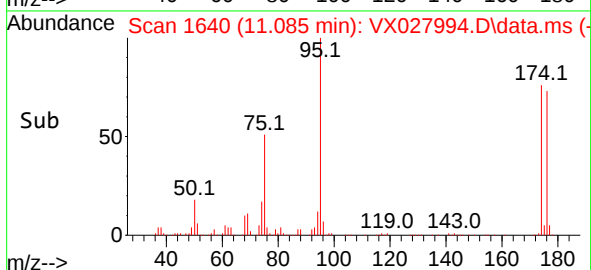
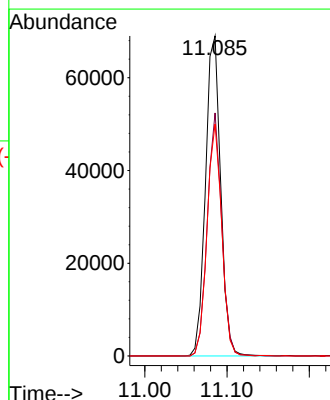
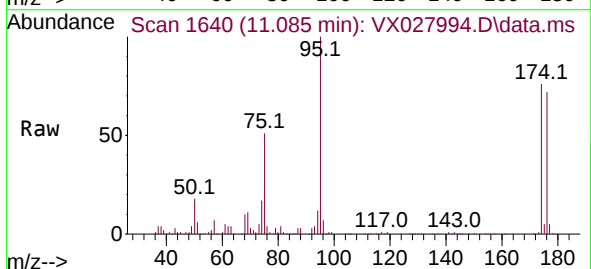
Instrument :
MSVOA_X
ClientSampleId :
IBLK

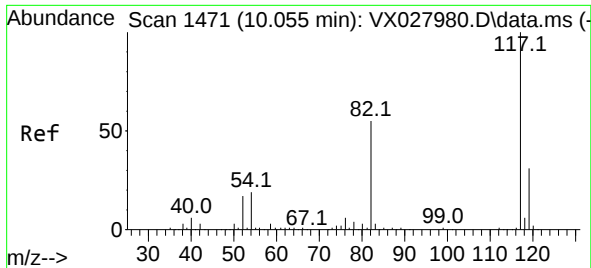
Tgt Ion: 92 Resp: 12139
Ion Ratio Lower Upper
92 100
91 169.0 137.5 206.3



#62
4-Bromofluorobenzene
Concen: 51.237 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX027994.D
Acq: 06 Apr 2022 13:41

Tgt Ion: 95 Resp: 88382
Ion Ratio Lower Upper
95 100
174 71.9 0.0 163.0
176 70.0 0.0 155.0

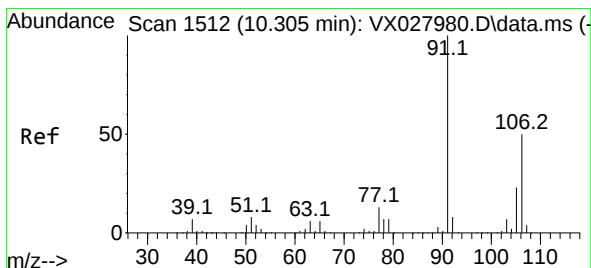
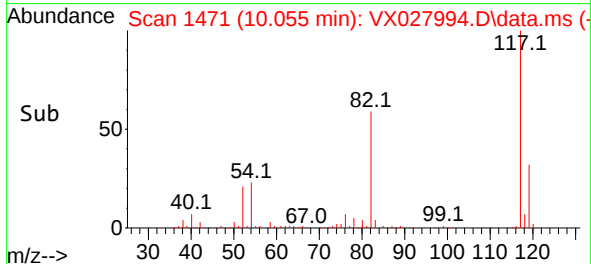
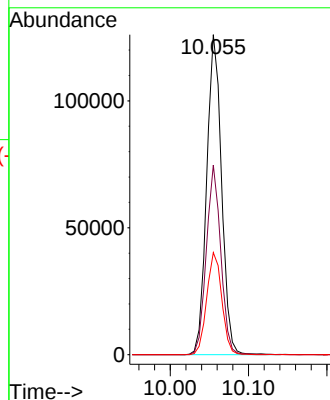
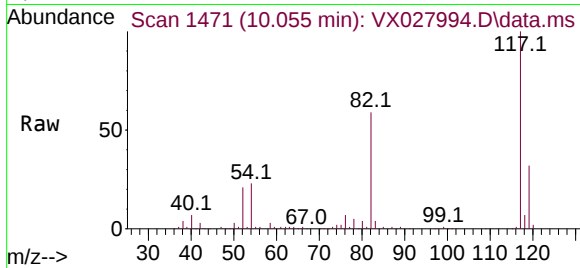




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027994.D
Acq: 06 Apr 2022 13:41

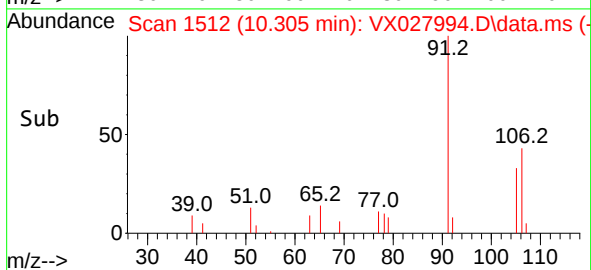
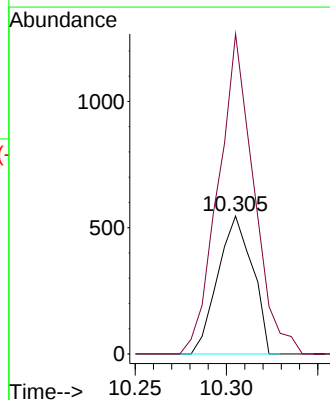
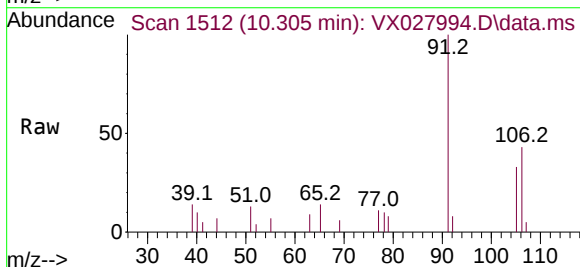
Instrument :
MSVOA_X
ClientSampleId :
IBLK

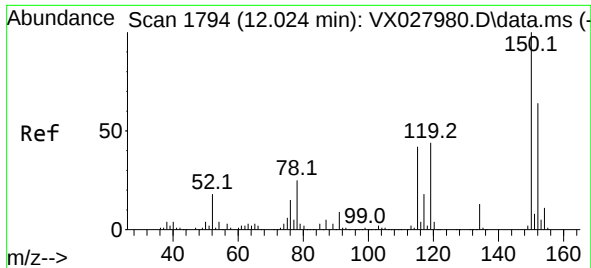
Tgt Ion:117 Resp: 165509
Ion Ratio Lower Upper
117 100
82 59.3 41.8 62.8
119 31.9 24.8 37.2



#68
m/p-Xylenes
Concen: 0.307 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX027994.D
Acq: 06 Apr 2022 13:41

Tgt Ion:106 Resp: 722
Ion Ratio Lower Upper
106 100
91 237.5 160.4 240.6

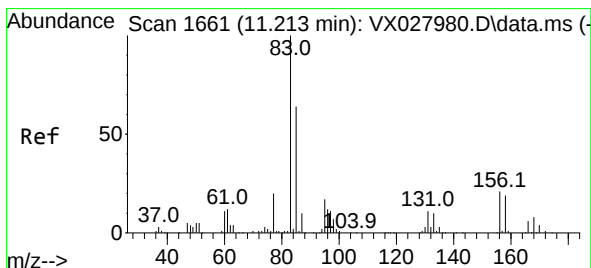
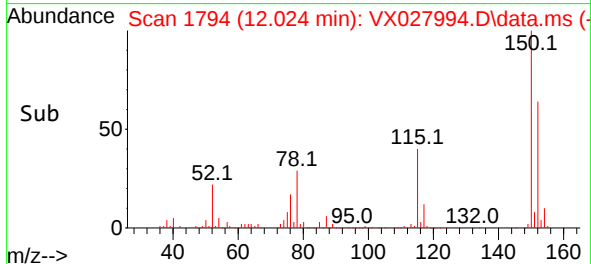
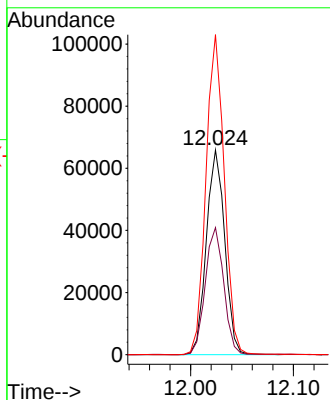
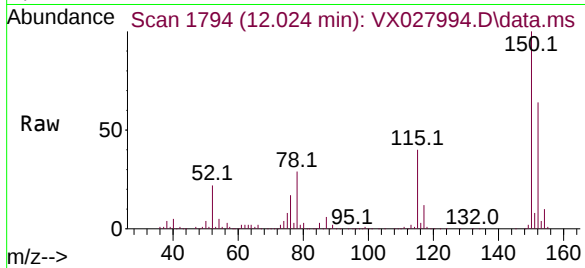




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX027994.D
 Acq: 06 Apr 2022 13:41

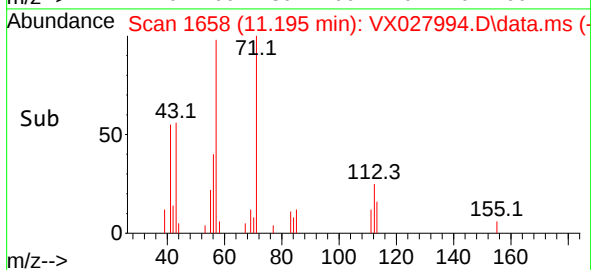
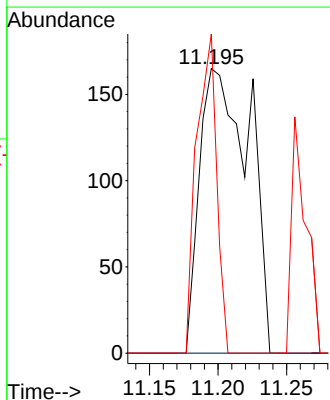
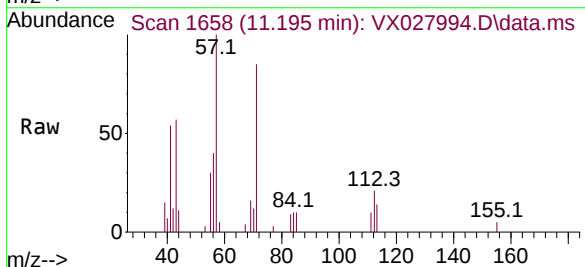
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

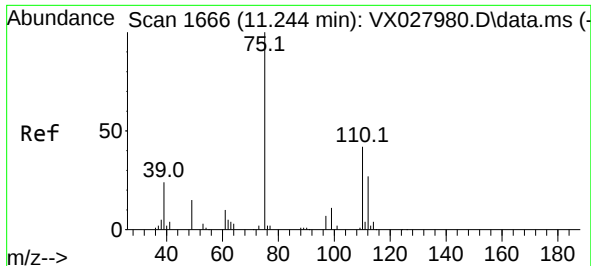
Tgt Ion:152 Resp: 82119
 Ion Ratio Lower Upper
 152 100
 115 62.6 37.5 112.7
 150 155.8 0.0 338.2



#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.221 ug/l
 RT: 11.195 min Scan# 1658
 Delta R.T. -0.018 min
 Lab File: VX027994.D
 Acq: 06 Apr 2022 13:41

Tgt Ion: 83 Resp: 416
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.1 15.3#
 85 45.2 32.6 97.7

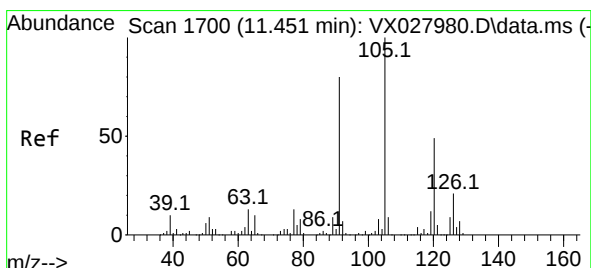
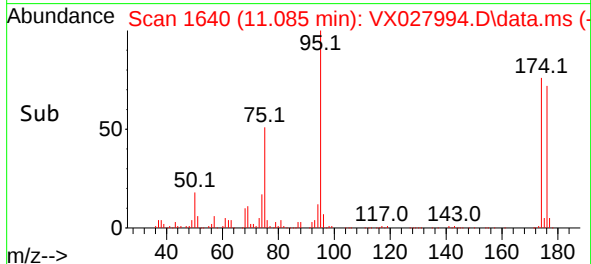
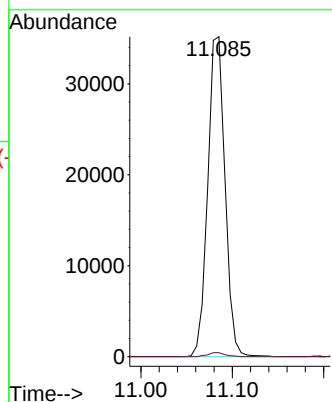
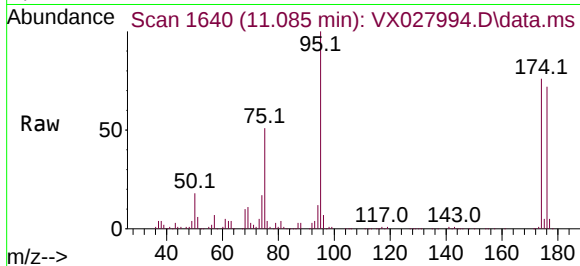




#76
1,2,3-Trichloropropane
Concen: 27.309 ug/l
RT: 11.085 min Scan# 110
Delta R.T. -0.159 min
Lab File: VX027994.D
Acq: 06 Apr 2022 13:41

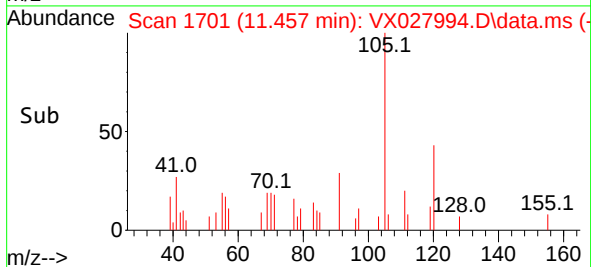
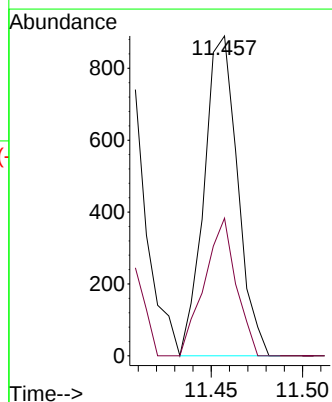
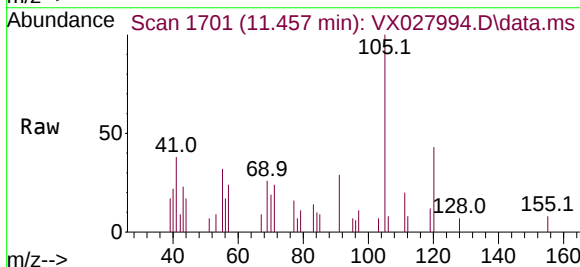
Instrument :
MSVOA_X
ClientSampleId :
IBLK

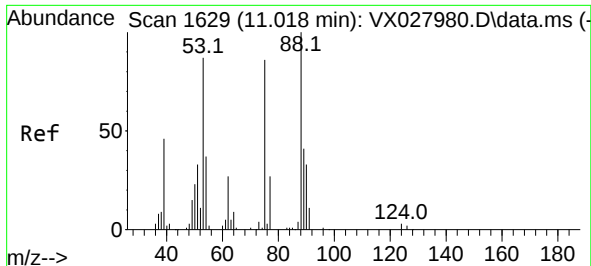
Tgt Ion: 75 Resp: 46044
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.230 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX027994.D
Acq: 06 Apr 2022 13:41

Tgt Ion: 105 Resp: 1134
Ion Ratio Lower Upper
105 100
120 40.7 24.3 72.9

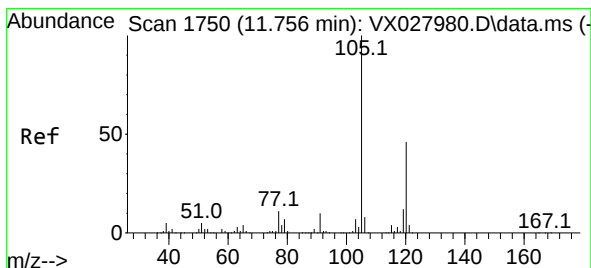
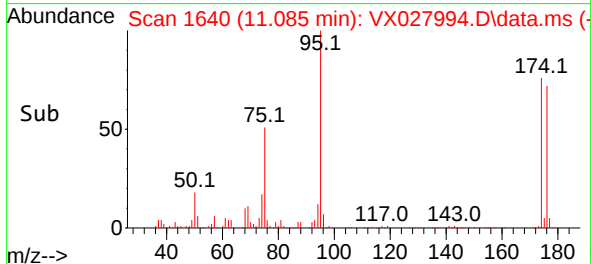
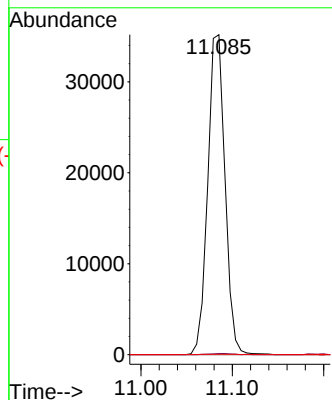
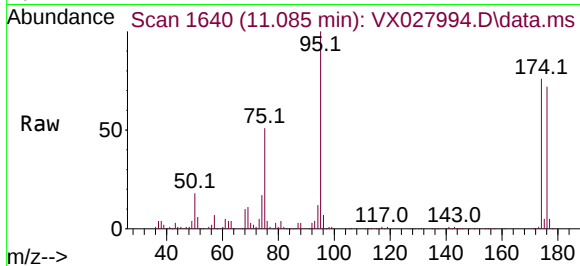




#81
trans-1,4-Dichloro-2-butene
Concen: 86.095 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX027994.D
Acq: 06 Apr 2022 13:41

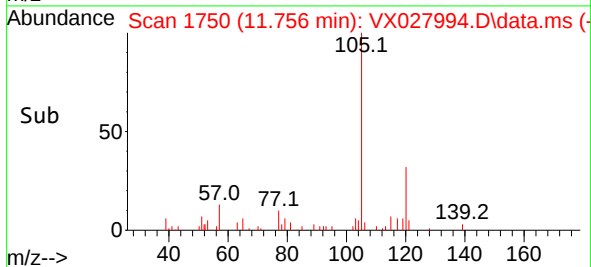
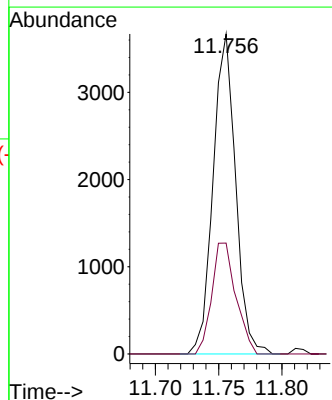
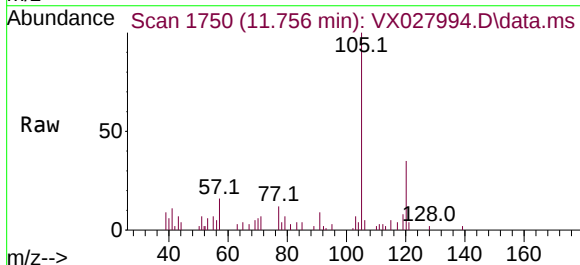
Instrument :
MSVOA_X
ClientSampleId :
IBLK

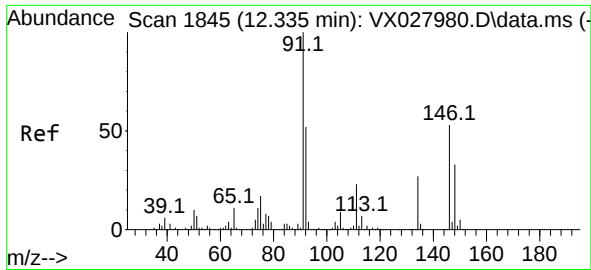
Tgt Ion: 75 Resp: 46044
Ion Ratio Lower Upper
75 100
53 0.5 69.0 103.4#
89 0.0 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.908 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX027994.D
Acq: 06 Apr 2022 13:41

Tgt Ion: 105 Resp: 4532
Ion Ratio Lower Upper
105 100
120 37.2 22.6 67.8





#89

n-Butylbenzene

Concen: 0.278 ug/l

RT: 12.341 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX027994.D

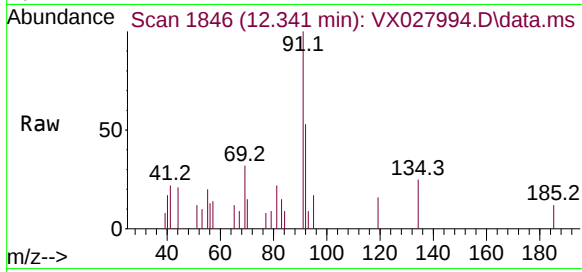
Acq: 06 Apr 2022 13:41

Instrument :

MSVOA_X

ClientSampleId :

IBLK



Tgt Ion:	91	Resp:	1211
Ion	Ratio	Lower	Upper
91	100		
92	40.9	27.8	83.3
134	48.3	13.3	39.8

