

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072522\
 Data File : VX030186.D
 Acq On : 25 Jul 2022 11:17
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jul 25 17:00:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

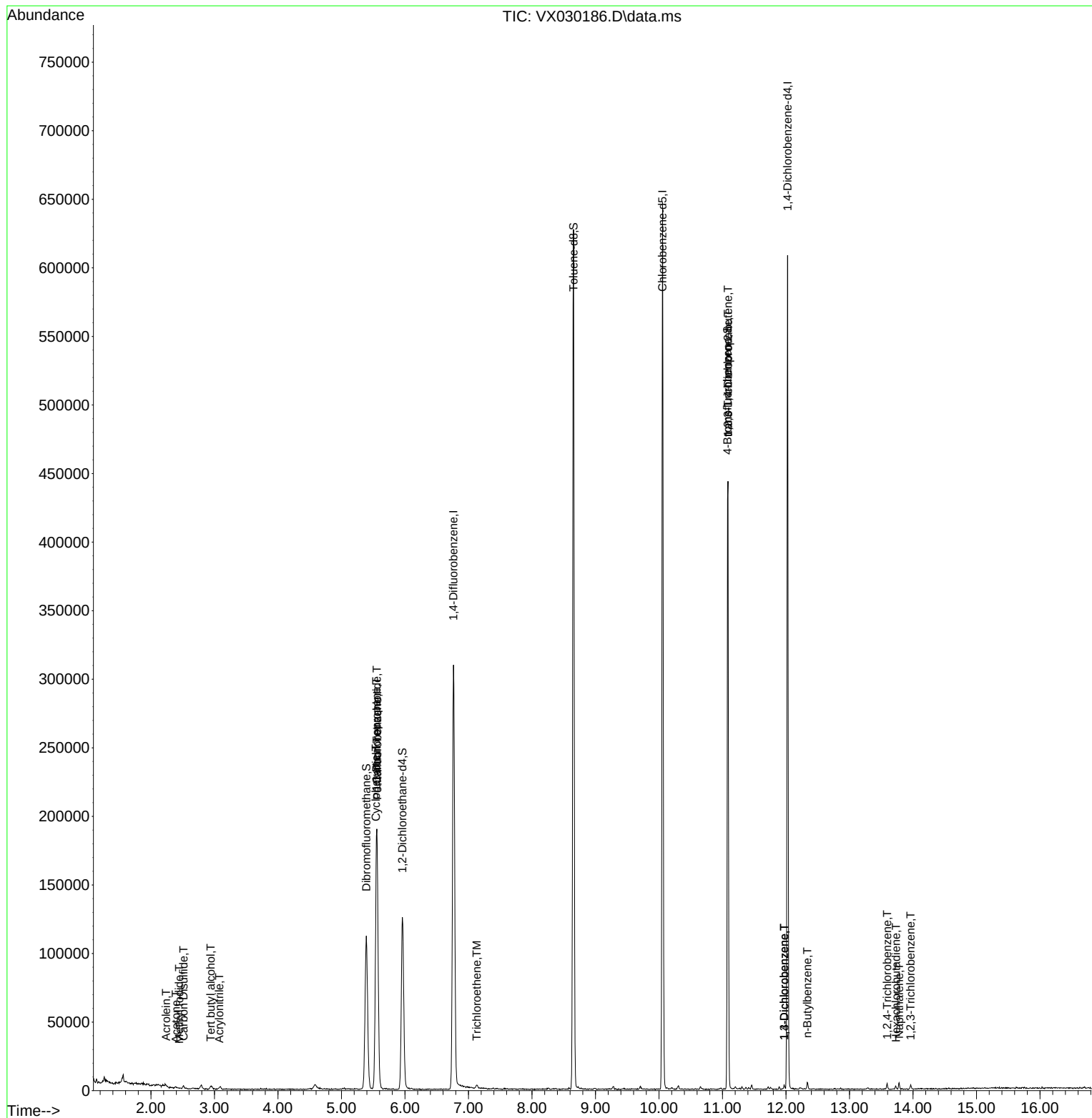
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	180593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	321287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	278987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	116578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	115766	31.893	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	63.780%#
35) Dibromofluoromethane	5.391	113	97432	31.723	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	63.440%#
50) Toluene-d8	8.653	98	373722	31.420	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	62.840%#
62) 4-Bromofluorobenzene	11.079	95	126318	28.616	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	57.240%#
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	601	Below Cal		85
10) Methyl Iodide	2.447	142	684	1.761 ug/l #		73
11) Tert butyl alcohol	2.941	59	1575	1.779 ug/l #		74
13) Acrolein	2.240	56	211	0.970 ug/l		91
15) Acrylonitrile	3.075	53	861	0.394 ug/l		88
16) Acetone	2.392	43	1047	0.563 ug/l		93
17) Carbon Disulfide	2.514	76	2611	0.343 ug/l #		85
20) Methylene Chloride	2.794	84	1534	Below Cal		85
31) Cyclohexane	5.544	56	3916	0.743 ug/l #		30
36) 1,1-Dichloropropene	5.550	75	15278	3.457 ug/l #		47
38) Carbon Tetrachloride	5.556	117	18349	4.447 ug/l #		18
44) Trichloroethene	7.129	130	852	0.224 ug/l		85
67) Ethyl Benzene	10.195	91	760	Below Cal		94
76) 1,2,3-Trichloropropane	11.085	75	62874	20.461 ug/l #		38
81) trans-1,4-Dichloro-2-b...	11.085	75	62874	61.380 ug/l #		13
87) 1,3-Dichlorobenzene	11.969	146	1013	0.244 ug/l		89
88) 1,4-Dichlorobenzene	11.969	146	1013	0.240 ug/l		89
89) n-Butylbenzene	12.335	91	1446	0.201 ug/l		96
93) 1,2,4-Trichlorobenzene	13.591	180	1052	0.445 ug/l		93
94) Hexachlorobutadiene	13.731	225	329	0.347 ug/l		90
95) Naphthalene	13.780	128	3045	0.330 ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	919	0.379 ug/l		81

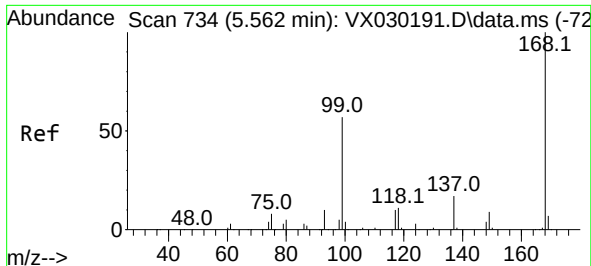
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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IBLK

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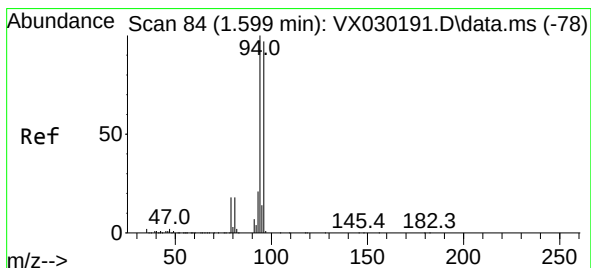
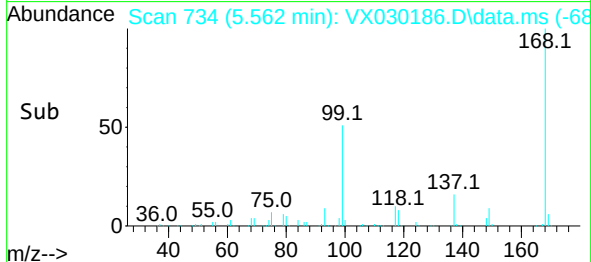
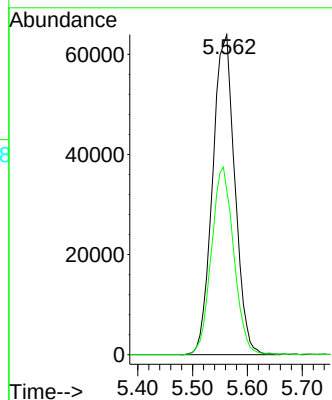
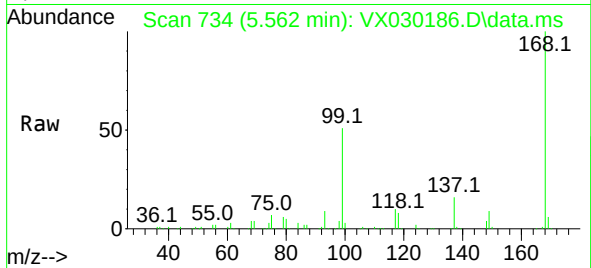




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

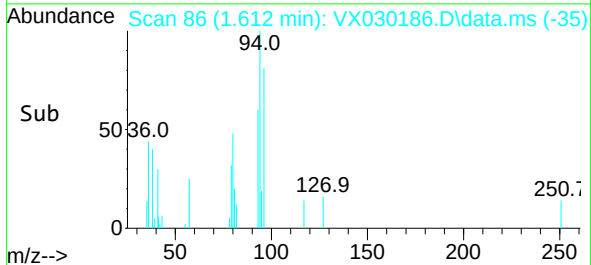
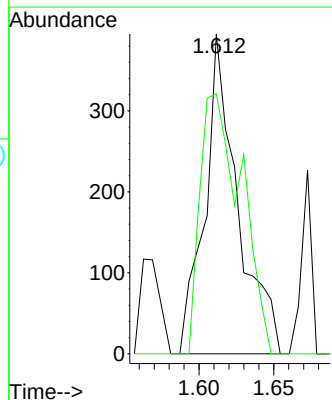
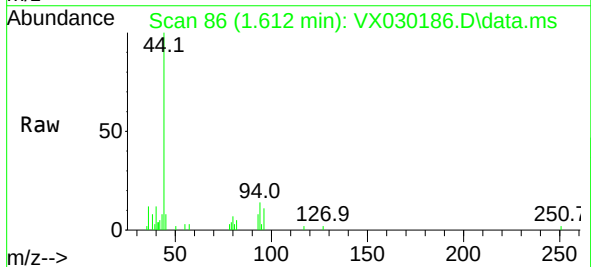
Instrument :
MSVOA_X
ClientSampleId :
IBLK

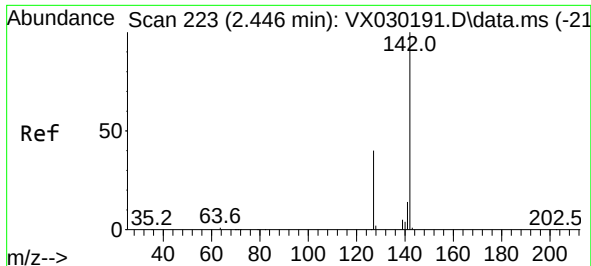
Tgt Ion:168 Resp: 180593
Ion Ratio Lower Upper
168 100
99 51.3 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

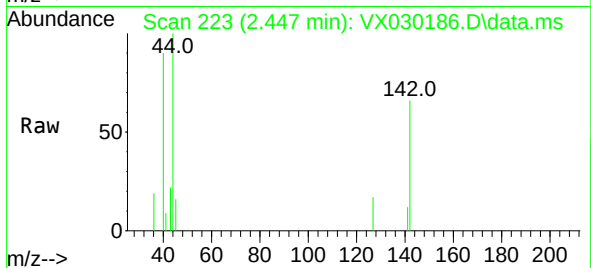
Tgt Ion: 94 Resp: 601
Ion Ratio Lower Upper
94 100
96 81.3 76.9 115.3



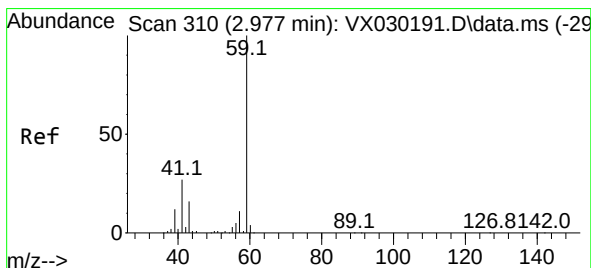
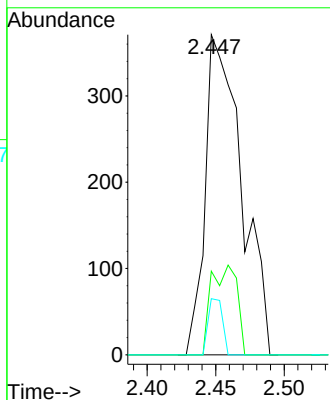
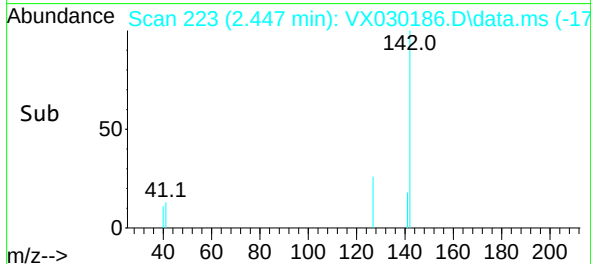


#10
Methyl Iodide
Concen: 1.761 ug/l
RT: 2.447 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

Instrument :
MSVOA_X
ClientSampleId :
IBLK

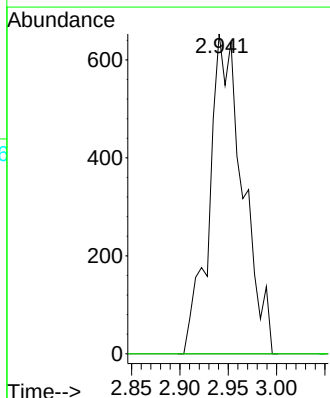
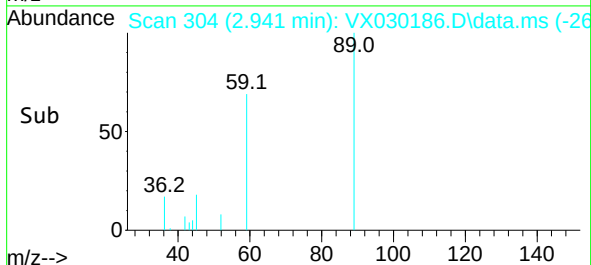
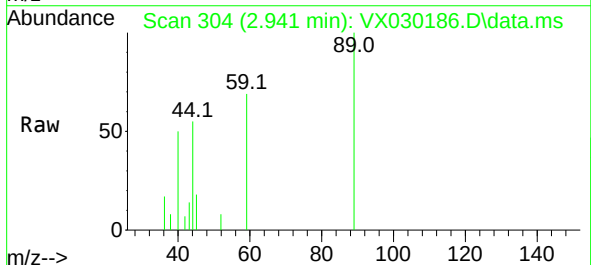


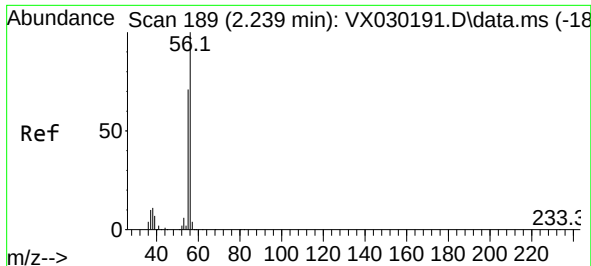
Tgt Ion:142 Resp: 684
Ion Ratio Lower Upper
142 100
127 19.7 30.2 45.2#
141 6.9 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.779 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.036 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

Tgt Ion: 59 Resp: 1575
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

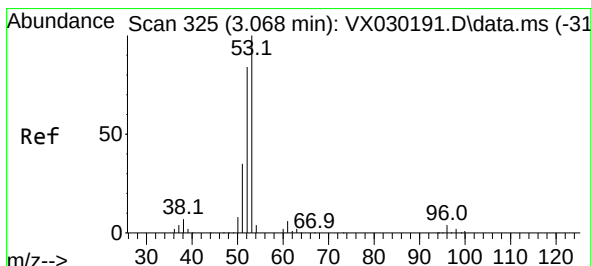
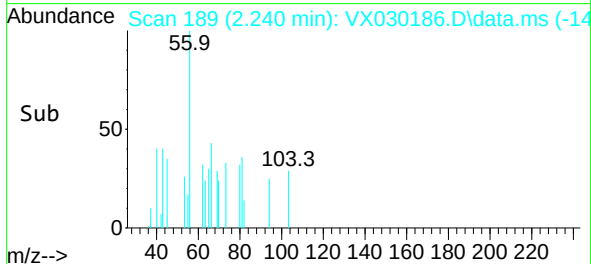
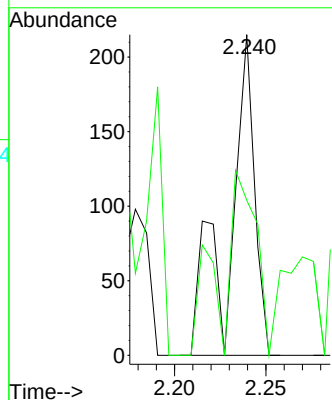
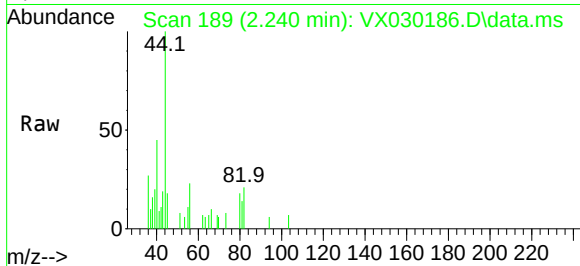




#13
Acrolein
Concen: 0.970 ug/l
RT: 2.240 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

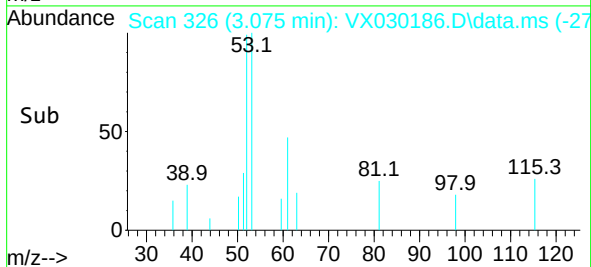
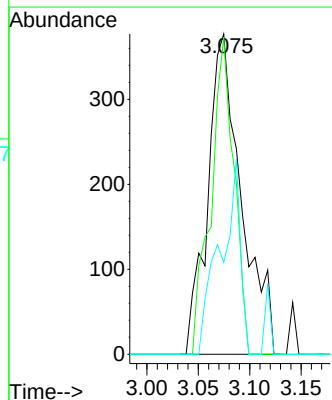
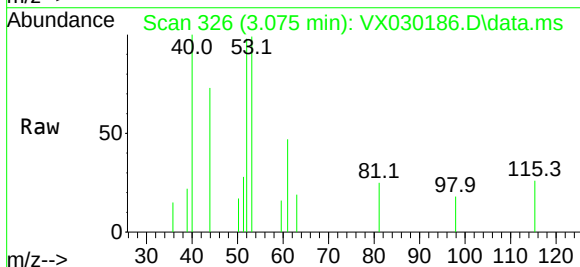
Instrument :
MSVOA_X
ClientSampleId :
IBLK

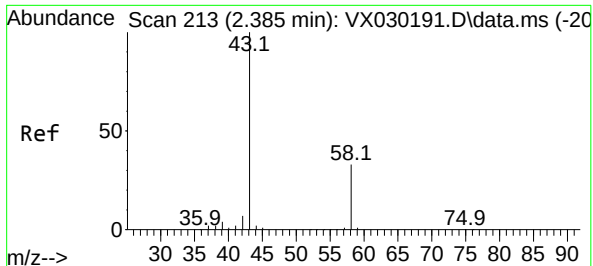
Tgt Ion: 56 Resp: 211
Ion Ratio Lower Upper
56 100
55 78.2 56.6 84.8



#15
Acrylonitrile
Concen: 0.394 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.007 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

Tgt Ion: 53 Resp: 861
Ion Ratio Lower Upper
53 100
52 68.3 65.4 98.0
51 36.5 27.7 41.5

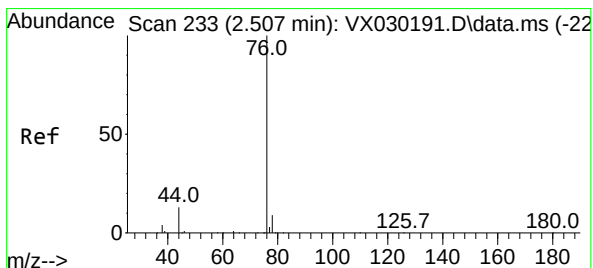
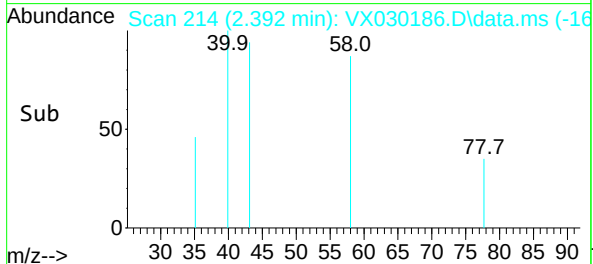
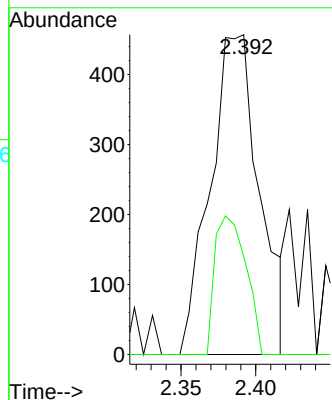
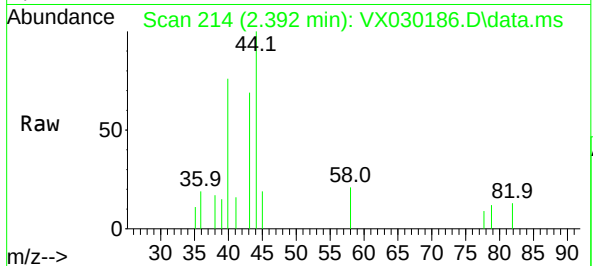




#16
Acetone
Concen: 0.563 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.007 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

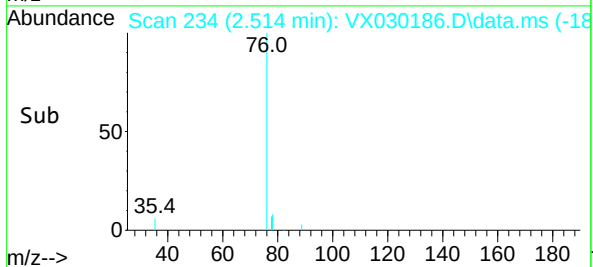
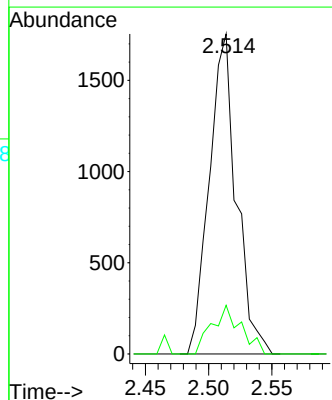
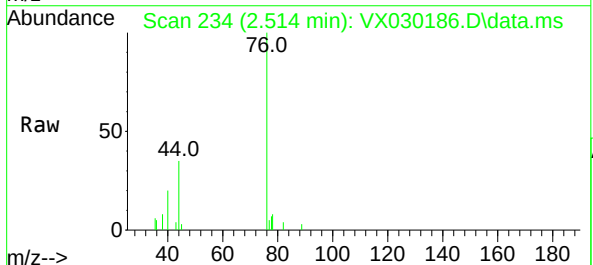
Instrument :
MSVOA_X
ClientSampleId :
IBLK

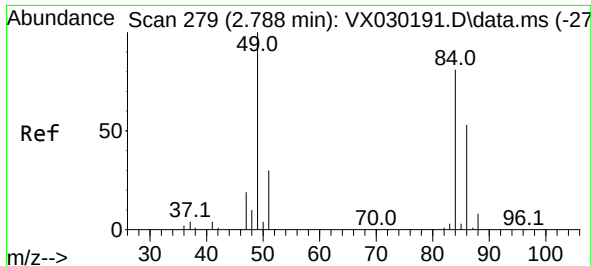
Tgt Ion: 43 Resp: 1047
Ion Ratio Lower Upper
43 100
58 30.6 27.7 41.5



#17
Carbon Disulfide
Concen: 0.343 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.007 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

Tgt Ion: 76 Resp: 2611
Ion Ratio Lower Upper
76 100
78 15.2 7.8 11.6

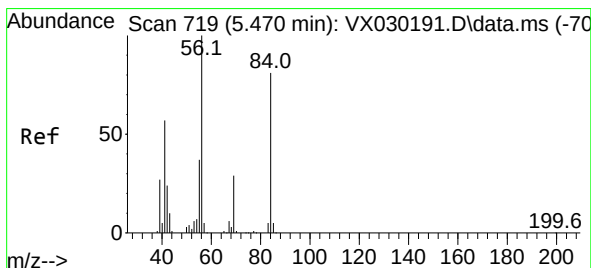
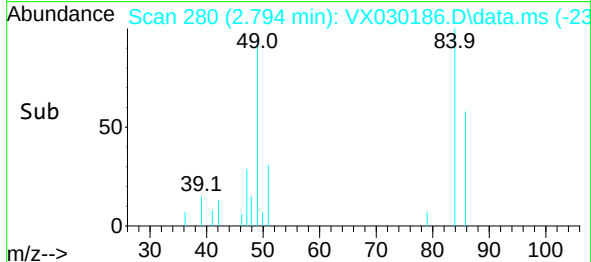
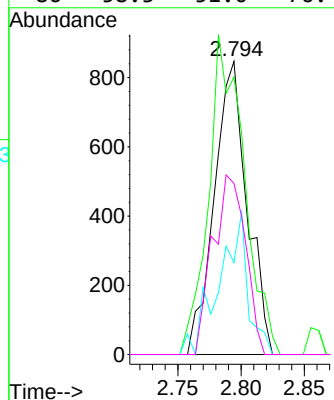
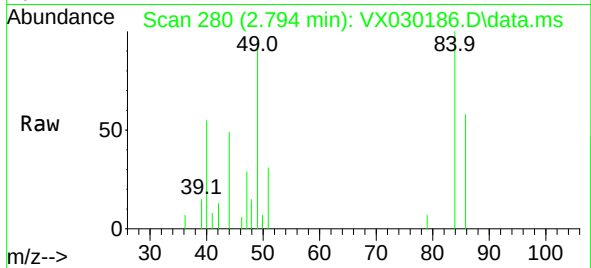




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

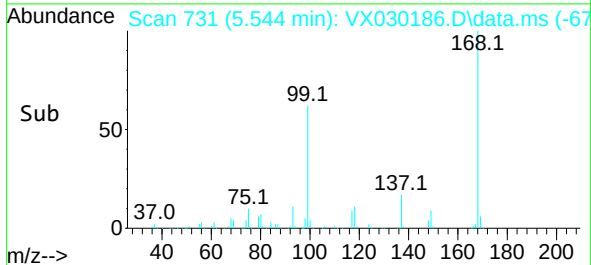
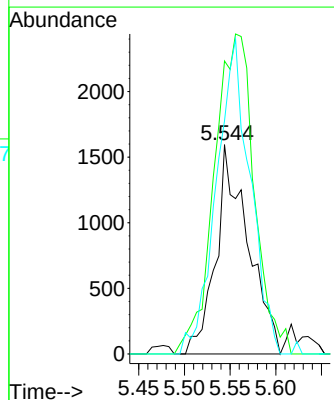
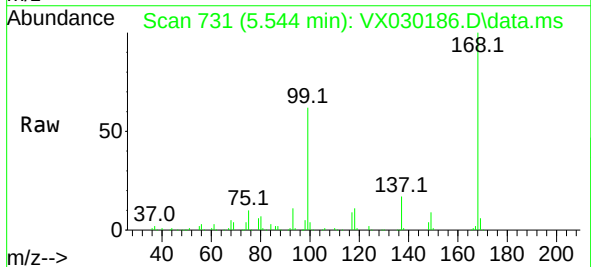
Instrument :
MSVOA_X
ClientSampleId :
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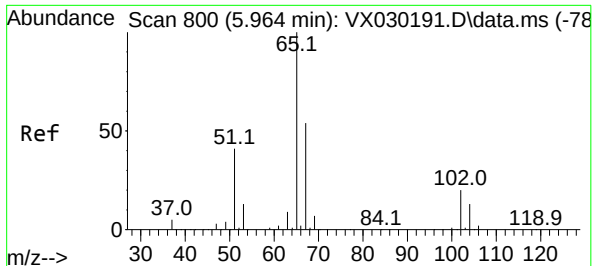
Tgt Ion:	84	Resp:	1534
Ion	Ratio	Lower	Upper
84	100		
49	94.6	93.8	140.6
51	31.4	29.4	44.0
86	58.3	51.0	76.4



#31
Cyclohexane
Concen: 0.743 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.074 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

Tgt Ion:	56	Resp:	3916
Ion	Ratio	Lower	Upper
56	100		
69	135.4	25.4	38.0#
84	111.4	68.9	103.3#





#33

1,2-Dichloroethane-d4

Concen: 31.893 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX030186.D

Acq: 25 Jul 2022 11:17

Instrument :

MSVOA_X

ClientSampleId :

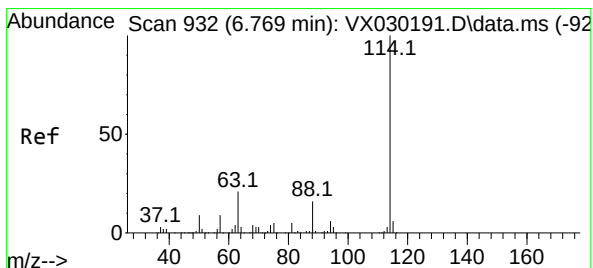
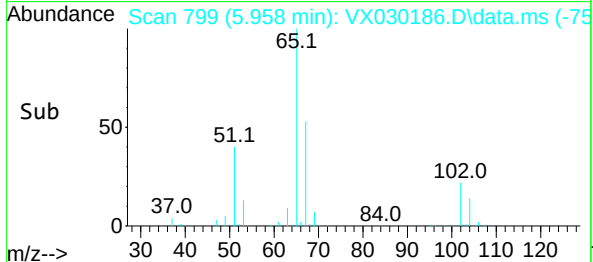
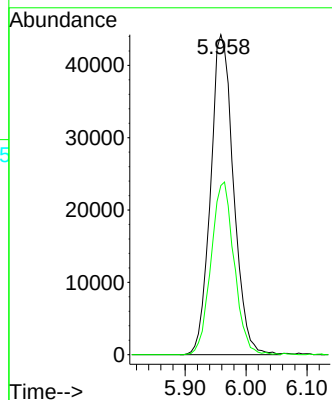
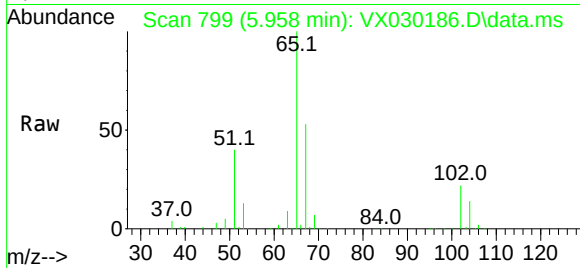
IBLK

Tgt Ion: 65 Resp: 115766

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX030186.D

Acq: 25 Jul 2022 11:17

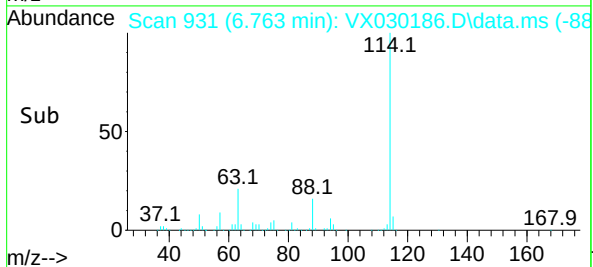
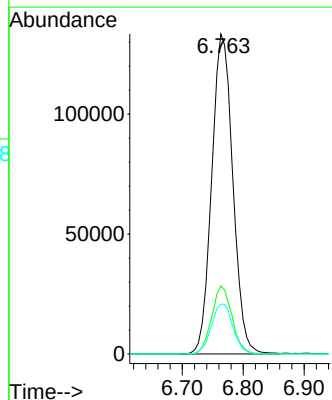
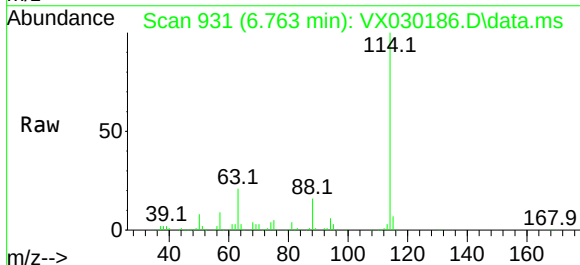
Tgt Ion: 114 Resp: 321287

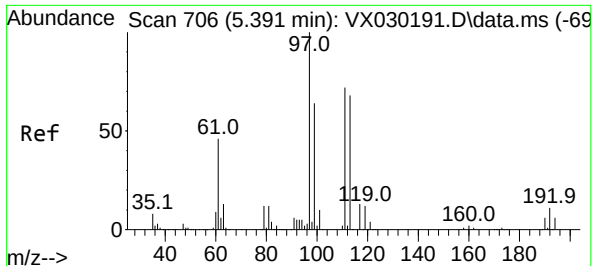
Ion Ratio Lower Upper

114 100

63 21.3 0.0 38.4

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 31.723 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030186.D

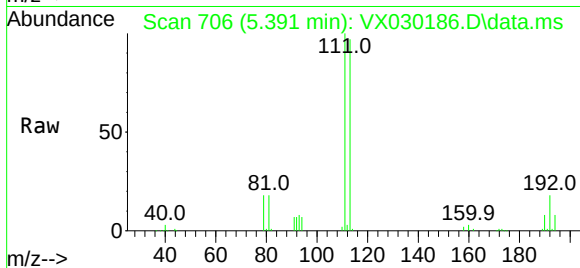
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Instrument :

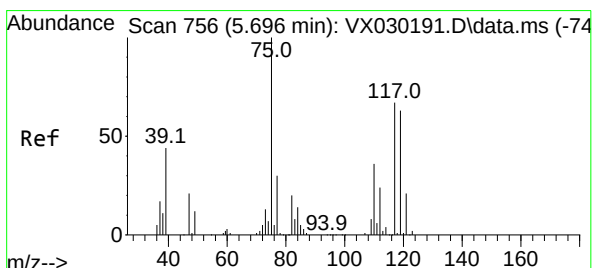
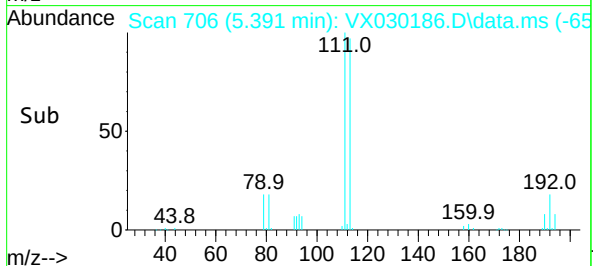
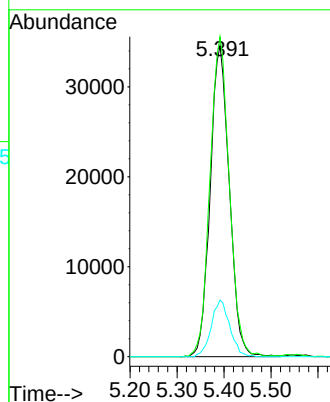
MSVOA_X

ClientSampleId :

IBLK



Tgt Ion:	113	Resp:	97432
Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.2	124.8
192	17.6	14.8	22.2



#36

1,1-Dichloropropene

Concen: 3.457 ug/l

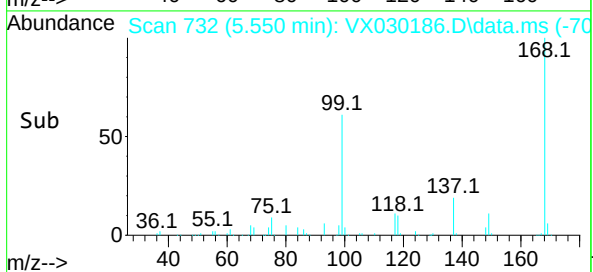
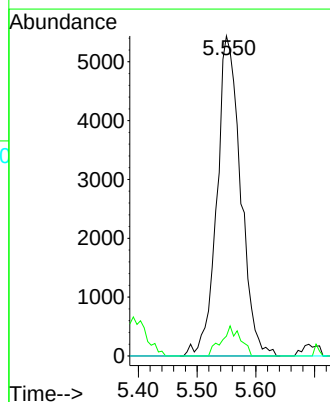
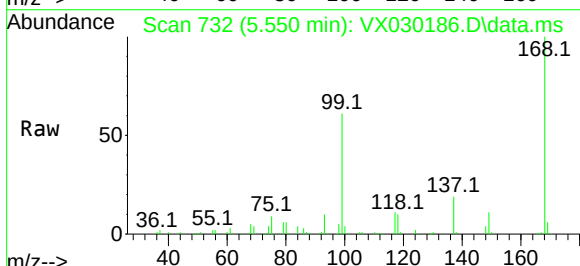
RT: 5.550 min Scan# 732

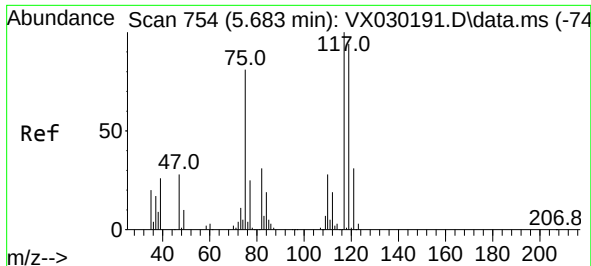
Delta R.T. -0.146 min

Lab File: VX030186.D

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Tgt Ion:	75	Resp:	15278
Ion	Ratio	Lower	Upper
75	100		
110	7.4	19.3	57.9#
77	0.0	24.4	36.6#

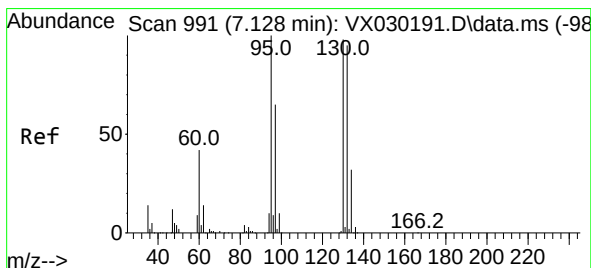
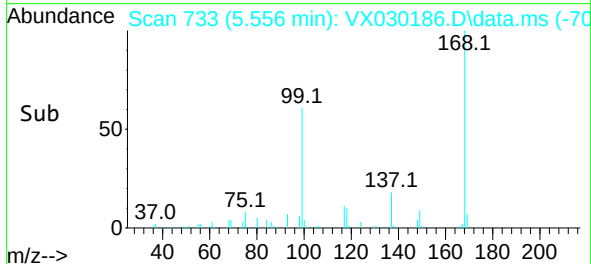
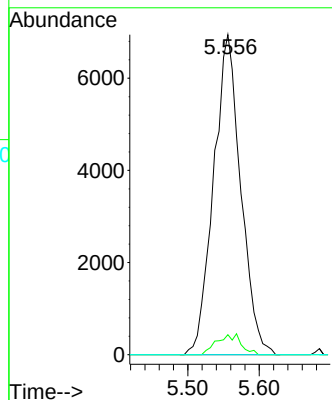
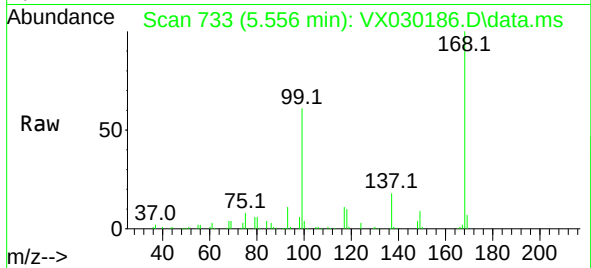




#38
Carbon Tetrachloride
Concen: 4.447 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.127 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

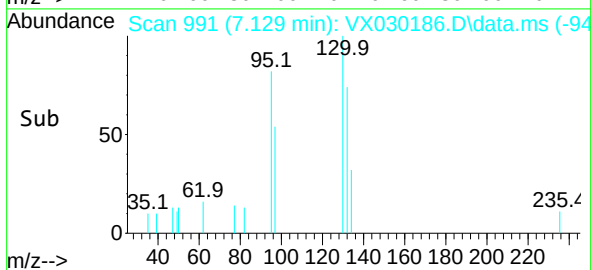
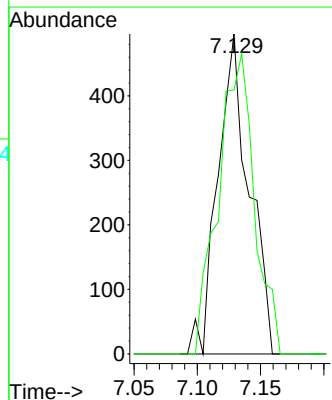
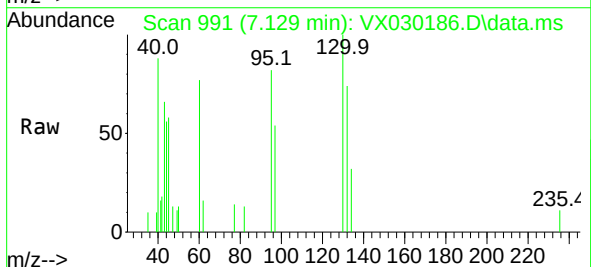
Instrument :
MSVOA_X
ClientSampleId :
IBLK

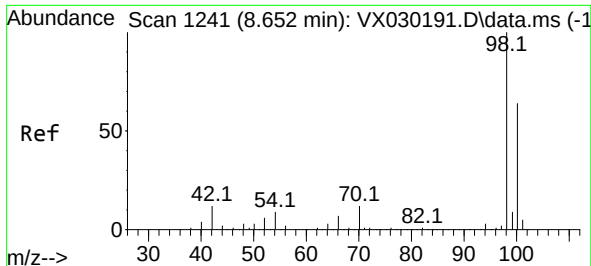
Tgt Ion:117 Resp: 18349
Ion Ratio Lower Upper
117 100
119 6.3 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.224 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.001 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

Tgt Ion:130 Resp: 852
Ion Ratio Lower Upper
130 100
95 82.5 0.0 194.8

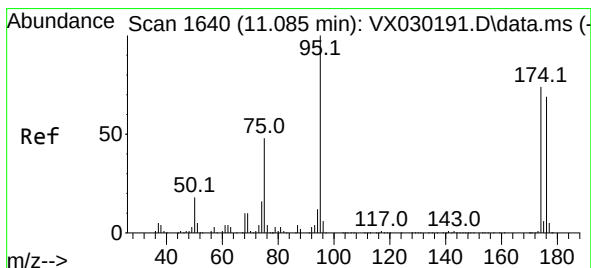
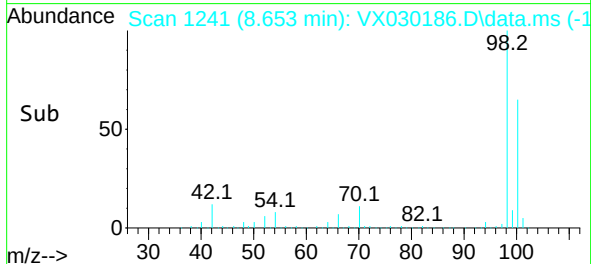
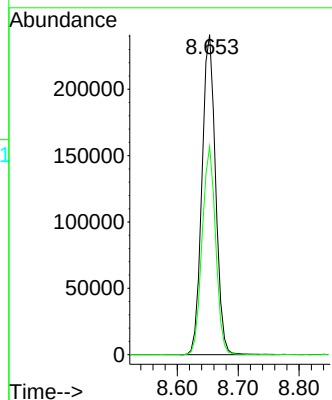
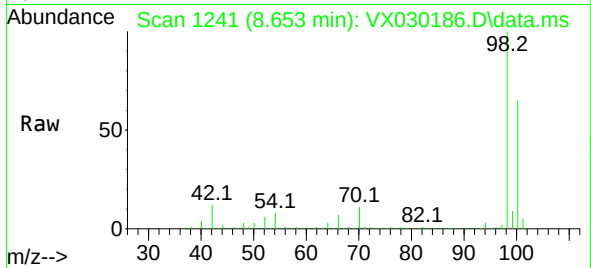




#50
Toluene-d8
Concen: 31.420 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

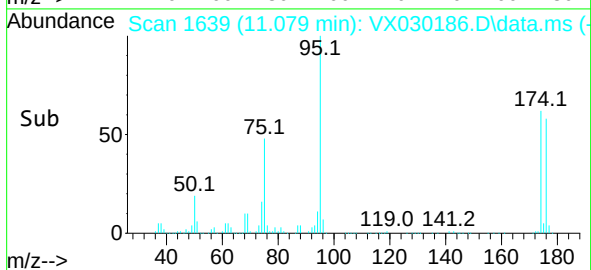
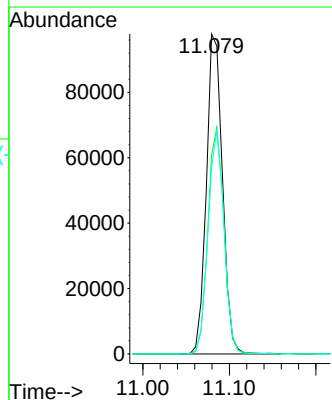
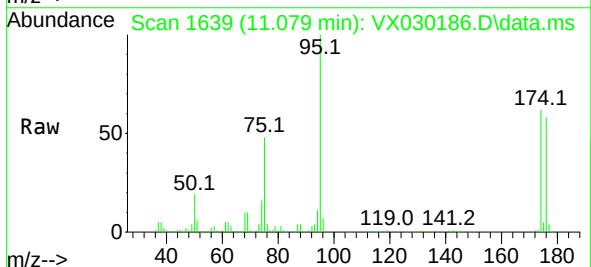
Instrument :
MSVOA_X
ClientSampleId :
IBLK

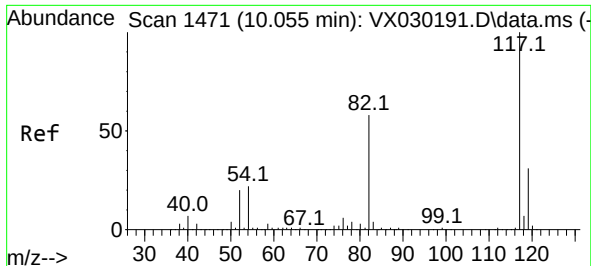
Tgt Ion: 98 Resp: 373722
Ion Ratio Lower Upper
98 100
100 64.6 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 28.616 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

Tgt Ion: 95 Resp: 126318
Ion Ratio Lower Upper
95 100
174 70.8 0.0 149.0
176 69.2 0.0 146.0

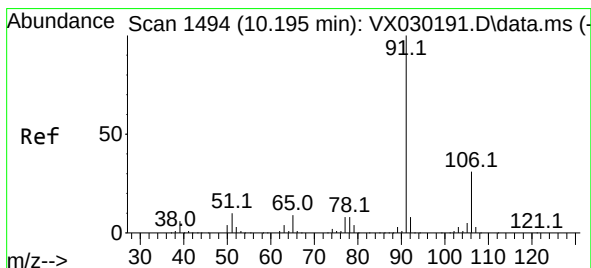
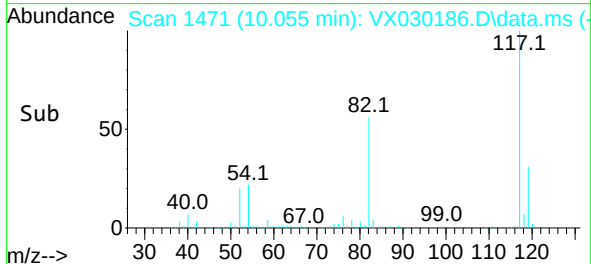
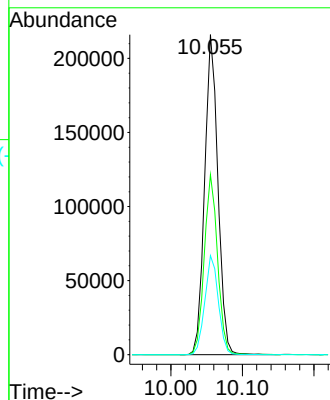
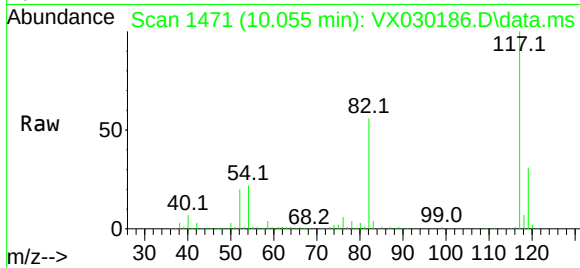




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

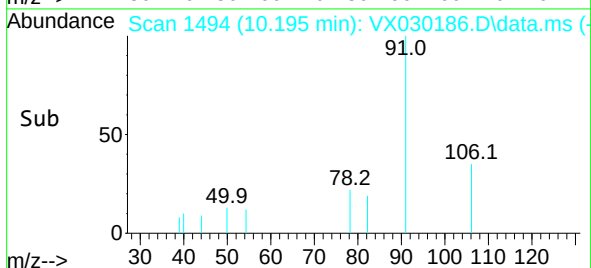
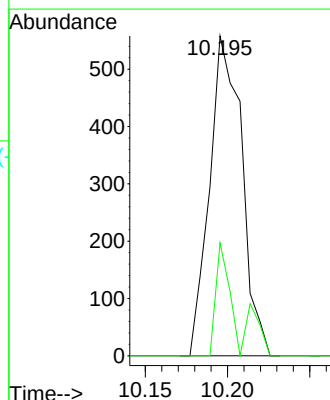
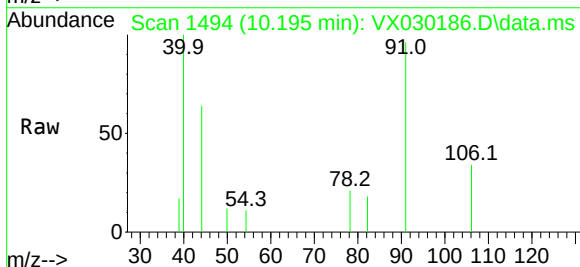
Instrument :
MSVOA_X
ClientSampleId :
IBLK

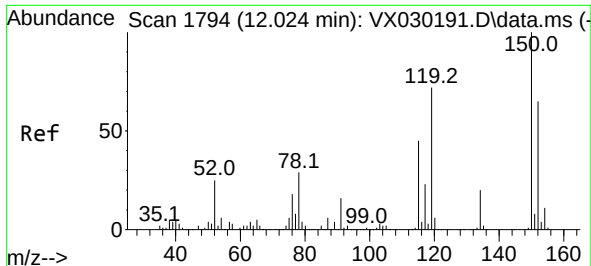
Tgt Ion:117 Resp: 278987
Ion Ratio Lower Upper
117 100
82 56.3 42.7 64.1
119 31.0 25.4 38.2



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

Tgt Ion: 91 Resp: 760
Ion Ratio Lower Upper
91 100
106 35.3 25.5 38.3

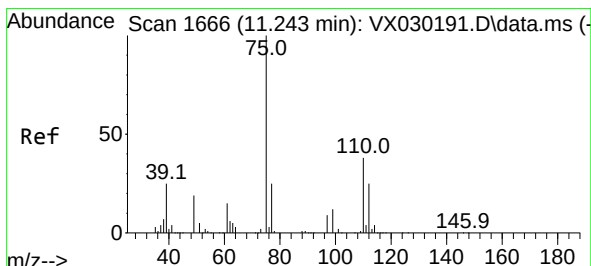
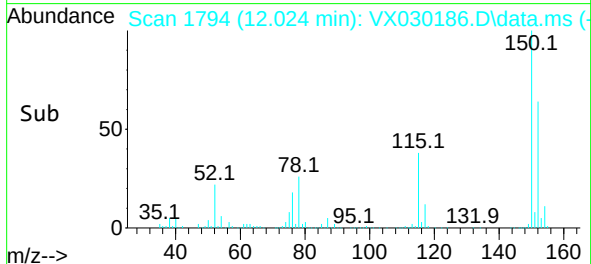
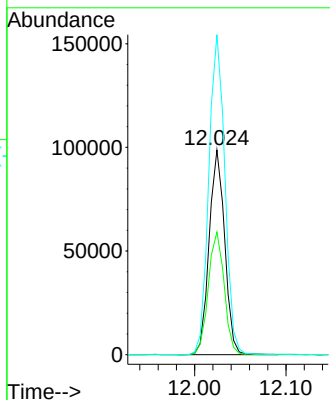
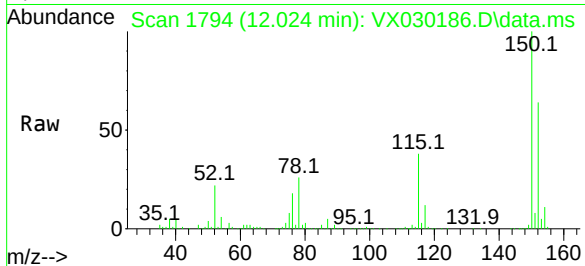




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030186.D
 Acq: 25 Jul 2022 11:17

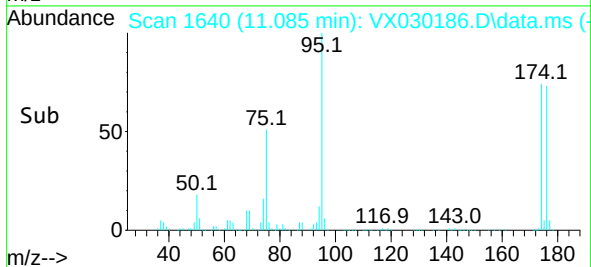
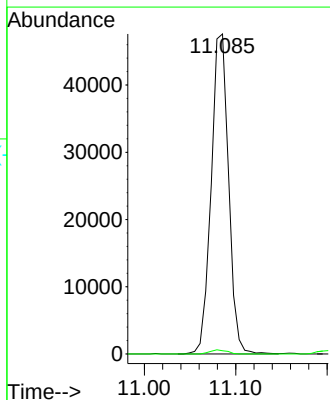
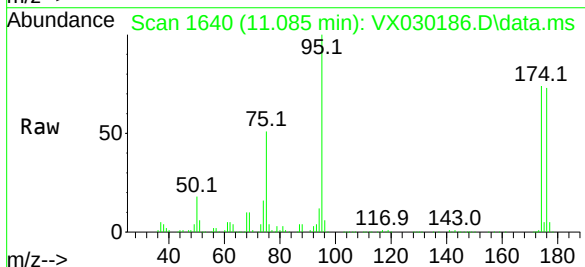
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

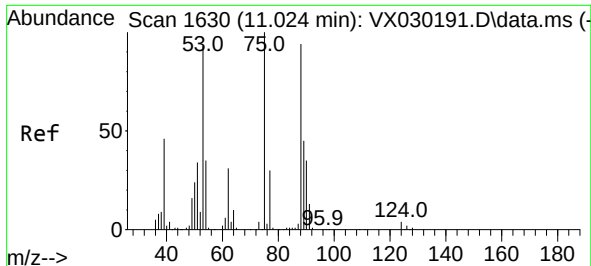
Tgt Ion:152 Resp: 116578
 Ion Ratio Lower Upper
 152 100
 115 61.0 40.5 121.5
 150 161.1 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 20.461 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.158 min
 Lab File: VX030186.D
 Acq: 25 Jul 2022 11:17

Tgt Ion: 75 Resp: 62874
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.8 59.3#

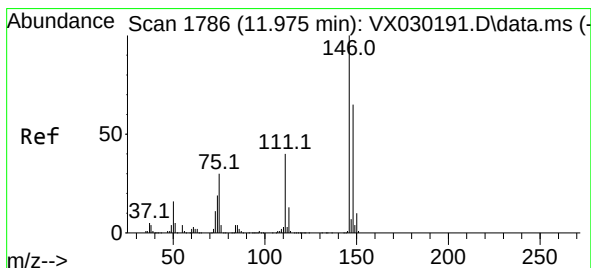
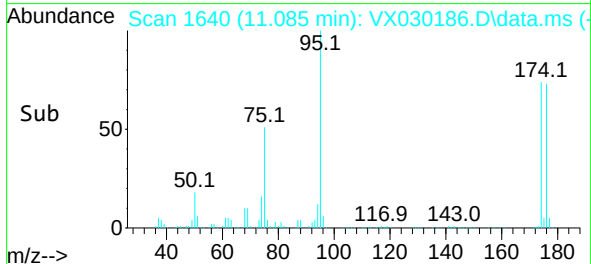
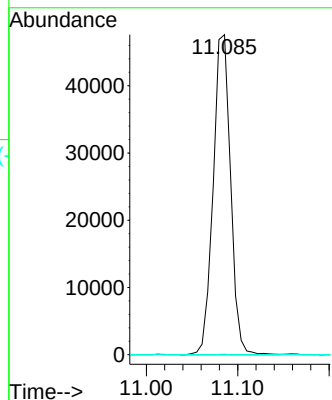
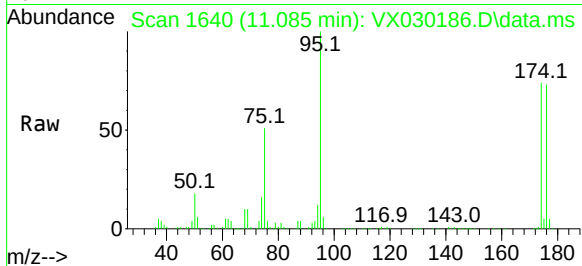




#81
trans-1,4-Dichloro-2-butene
Concen: 61.380 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

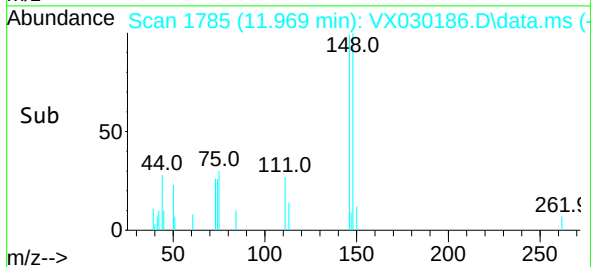
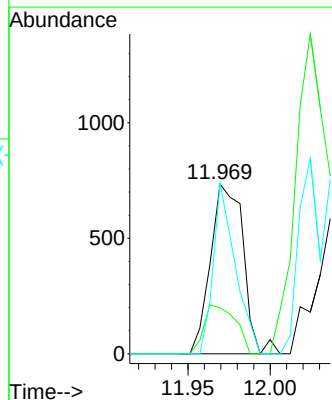
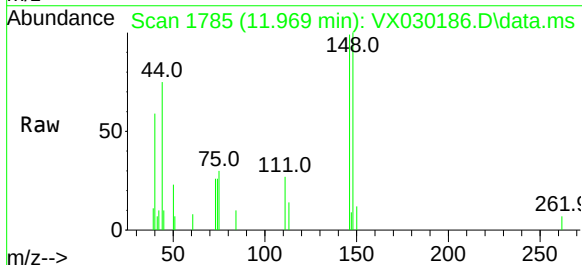
Instrument :
MSVOA_X
ClientSampleId :
IBLK

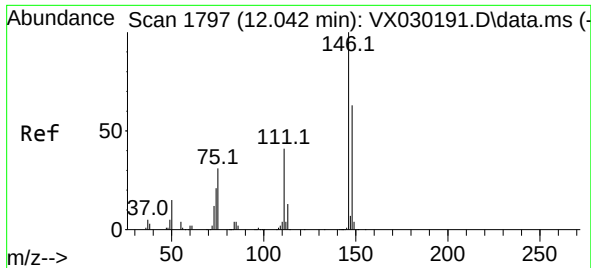
Tgt Ion: 75 Resp: 62874
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#



#87
1,3-Dichlorobenzene
Concen: 0.244 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.006 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

Tgt Ion:146 Resp: 1013
Ion Ratio Lower Upper
146 100
111 27.7 20.3 60.8
148 67.9 31.8 95.3

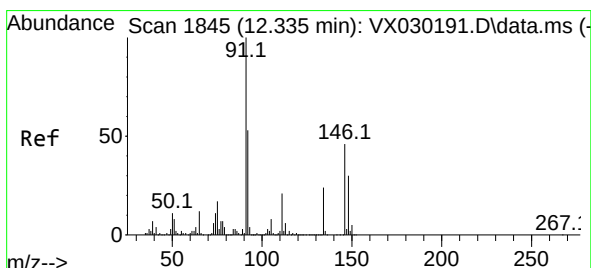
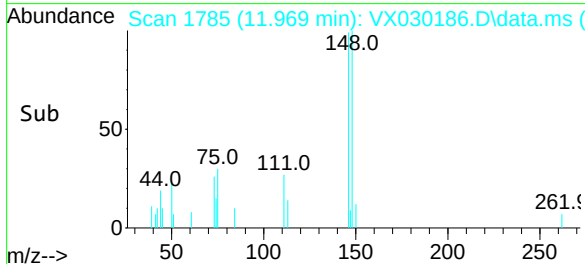
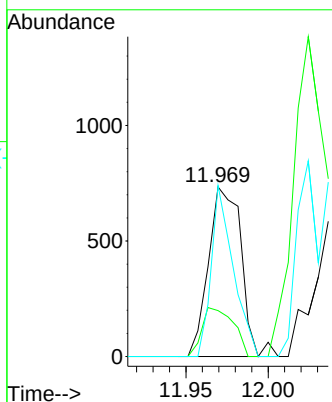
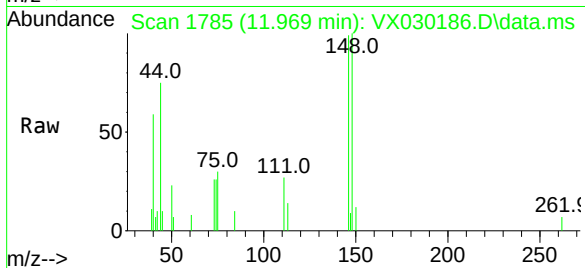




#88
1,4-Dichlorobenzene
Concen: 0.240 ug/l
RT: 11.969 min Scan# 1797
Delta R.T. -0.073 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

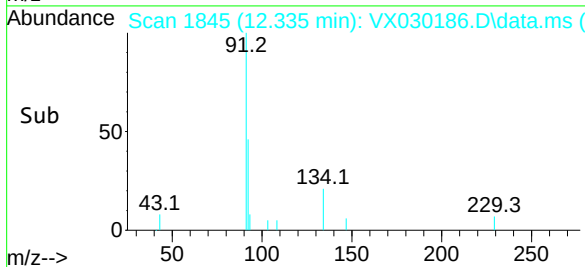
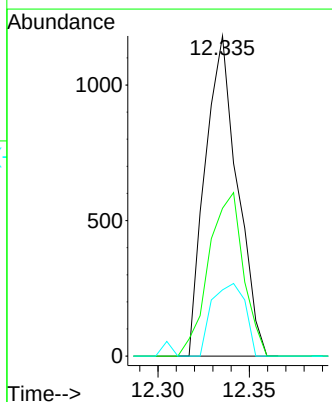
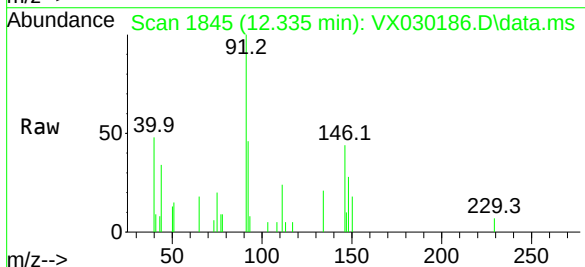
Instrument :
MSVOA_X
ClientSampleId :
IBLK

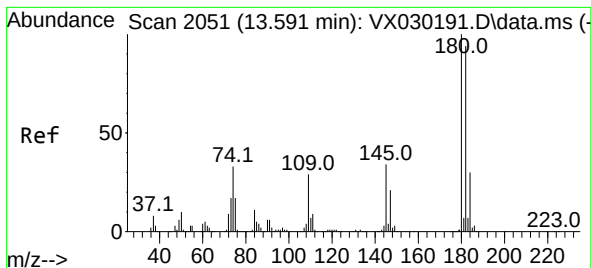
Tgt Ion:	146	Resp:	1013
Ion	Ratio	Lower	Upper
146	100		
111	27.7	20.3	60.9
148	67.9	32.3	96.8



#89
n-Butylbenzene
Concen: 0.201 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

Tgt Ion:	91	Resp:	1446
Ion	Ratio	Lower	Upper
91	100		
92	55.0	26.2	78.5
134	23.4	12.6	37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.445 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.000 min

Lab File: VX030186.D

Acq: 25 Jul 2022 11:17

Instrument :

MSVOA_X

ClientSampleId :

IBLK

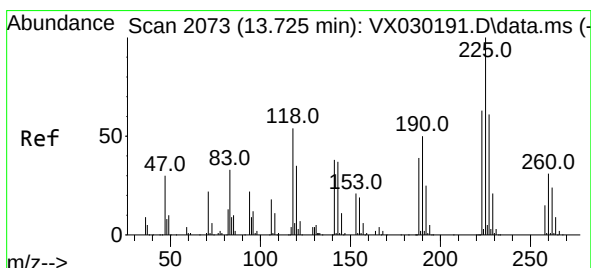
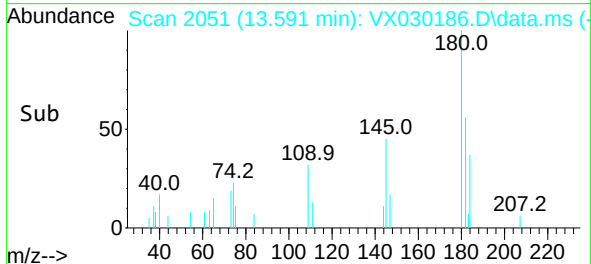
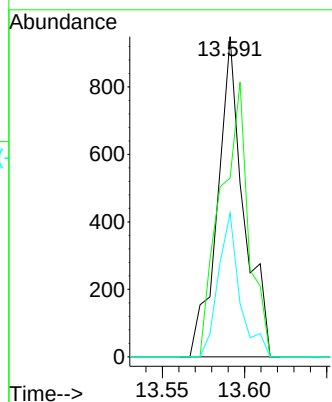
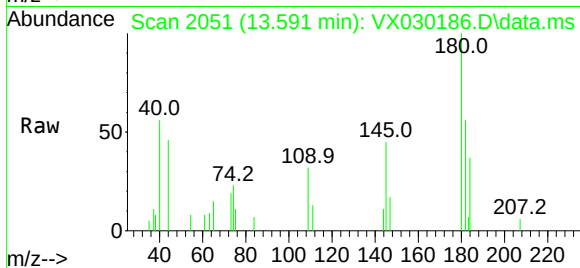
Tgt Ion:180 Resp: 1052

Ion Ratio Lower Upper

180 100

182 90.5 48.2 144.6

145 36.8 15.9 47.6



#94

Hexachlorobutadiene

Concen: 0.347 ug/l

RT: 13.731 min Scan# 2074

Delta R.T. 0.006 min

Lab File: VX030186.D

Acq: 25 Jul 2022 11:17

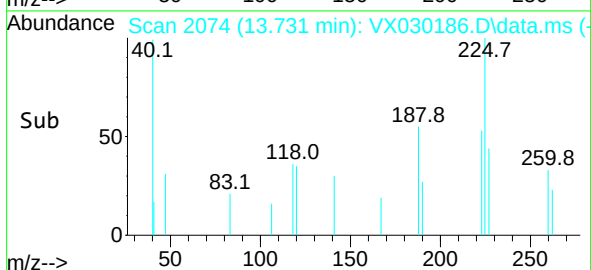
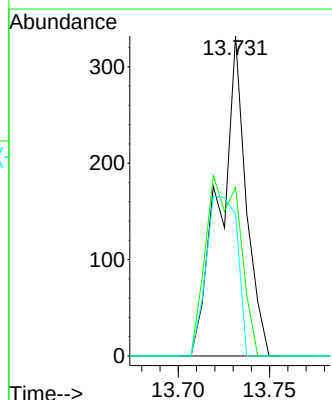
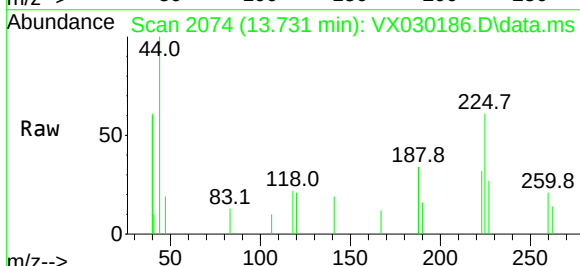
Tgt Ion:225 Resp: 329

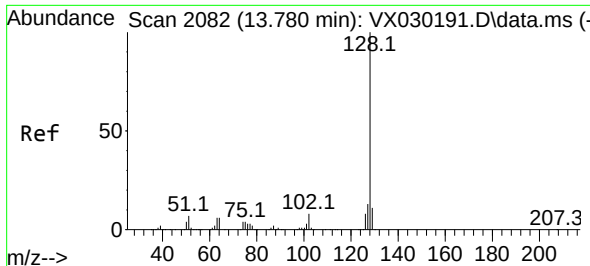
Ion Ratio Lower Upper

225 100

223 72.9 30.6 91.6

227 59.6 31.9 95.9

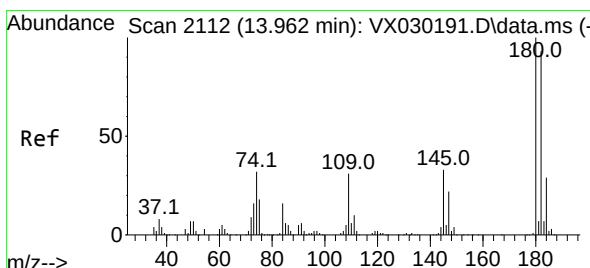
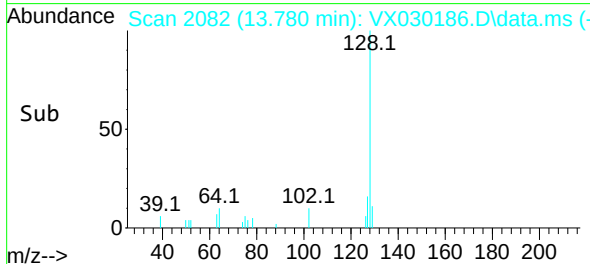
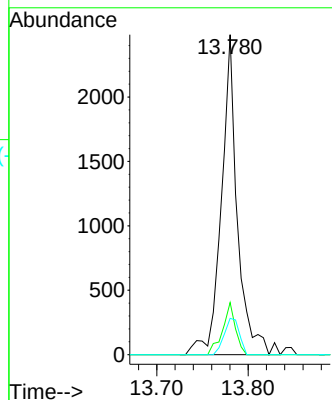
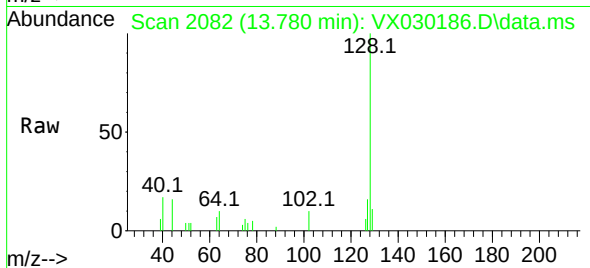




#95
Naphthalene
Concen: 0.330 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:	128	Resp:	3045
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.6	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.379 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.001 min
Lab File: VX030186.D
Acq: 25 Jul 2022 11:17

Tgt Ion:	180	Resp:	919
Ion	Ratio	Lower	Upper
180	100		
182	69.9	47.0	141.0
145	35.3	17.0	50.9

