

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090122\
 Data File : VX031018.D
 Acq On : 01 Sep 2022 10:33
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Sep 02 02:52:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

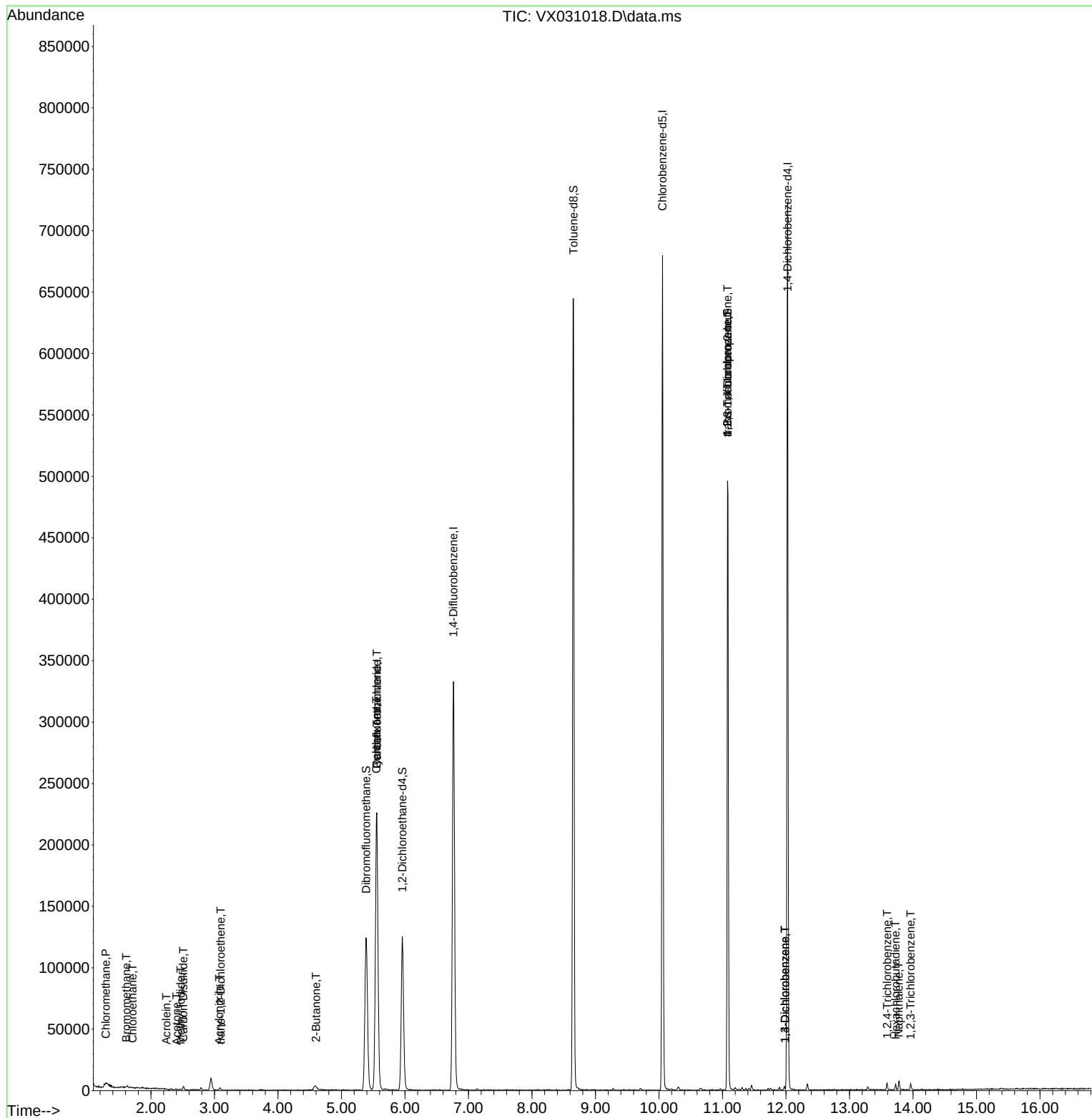
Internal Standards						
1) Pentafluorobenzene	5.556	168	220979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	370452	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	332207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	157933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	117472	41.315	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	82.640%		
35) Dibromofluoromethane	5.385	113	113732	42.069	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	84.140%		
50) Toluene-d8	8.653	98	424101	42.625	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	85.240%#		
62) 4-Bromofluorobenzene	11.079	95	145098	41.289	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	82.580%#		
Target Compounds					Qvalue	
3) Chloromethane	1.289	50	324	0.847	ug/l	97
5) Bromomethane	1.612	94	469	0.442	ug/l #	75
6) Chloroethane	1.709	64	113	1.803	ug/l #	40
10) Methyl Iodide	2.465	142	695	3.163	ug/l #	90
11) Tert butyl alcohol	2.947	59	5363	Below Cal	#	76
13) Acrolein	2.240	56	255	0.490	ug/l #	66
15) Acrylonitrile	3.075	53	605	0.454	ug/l #	81
16) Acetone	2.404	43	779	0.710	ug/l #	40
17) Carbon Disulfide	2.508	76	3442	0.516	ug/l #	91
20) Methylene Chloride	2.788	84	829	Below Cal	#	74
21) trans-1,2-Dichloroethene	3.099	96	587	0.205	ug/l #	66
25) 2-Butanone	4.599	43	484	0.286	ug/l #	48
31) Cyclohexane	5.550	56	3765	0.969	ug/l #	1
38) Carbon Tetrachloride	5.556	117	21115	5.372	ug/l #	21
76) 1,2,3-Trichloropropane	11.079	75	64854	17.371	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	64854	54.593	ug/l #	13
87) 1,3-Dichlorobenzene	11.982	146	1369	0.218	ug/l	95
88) 1,4-Dichlorobenzene	11.982	146	1369	0.219	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	1605	0.393	ug/l	96
94) Hexachlorobutadiene	13.725	225	869	0.486	ug/l	80
95) Naphthalene	13.774	128	5247	0.367	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	1483	0.346	ug/l	97

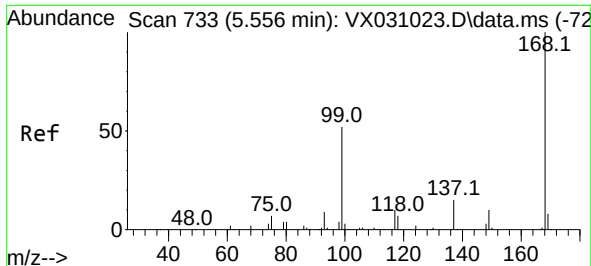
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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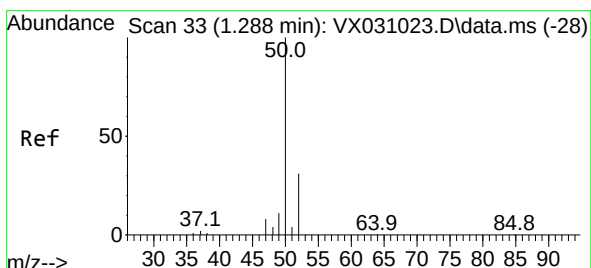
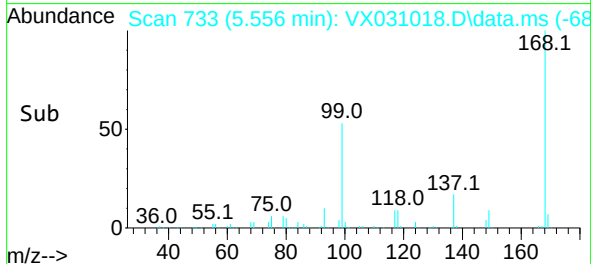
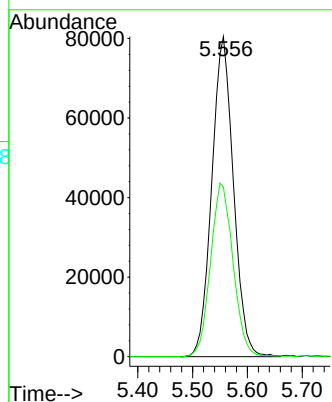
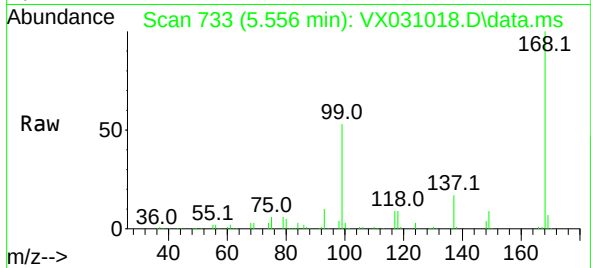




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.000 min
Lab File: VX031018.D
Acq: 01 Sep 2022 10:33

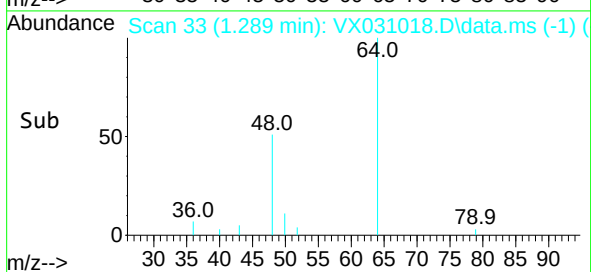
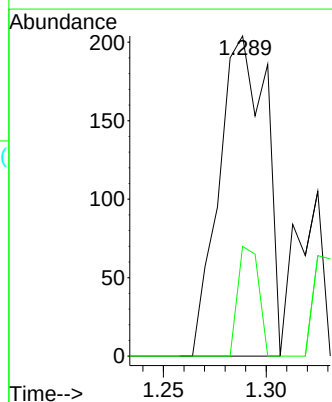
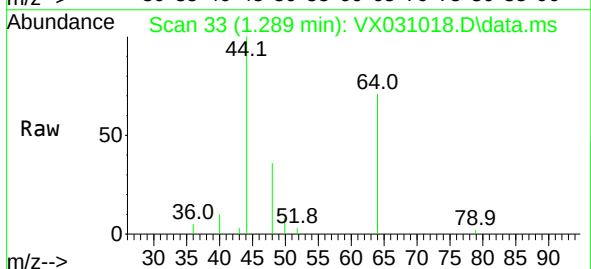
Instrument :
MSVOA_X
ClientSampleId :
IBLK

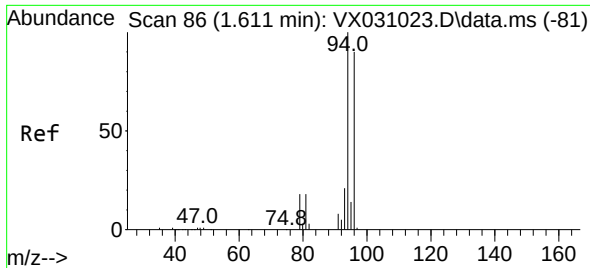
Tgt Ion:168 Resp: 220979
Ion Ratio Lower Upper
168 100
99 53.0 44.0 66.0



#3
Chloromethane
Concen: 0.847 ug/l
RT: 1.289 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031018.D
Acq: 01 Sep 2022 10:33

Tgt Ion: 50 Resp: 324
Ion Ratio Lower Upper
50 100
52 34.3 26.3 39.5

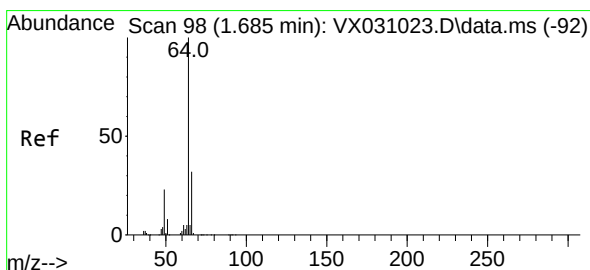
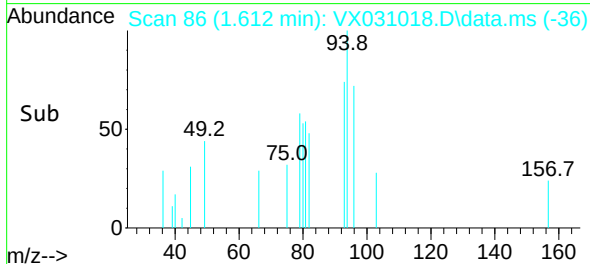
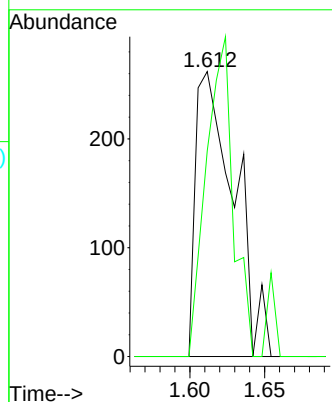
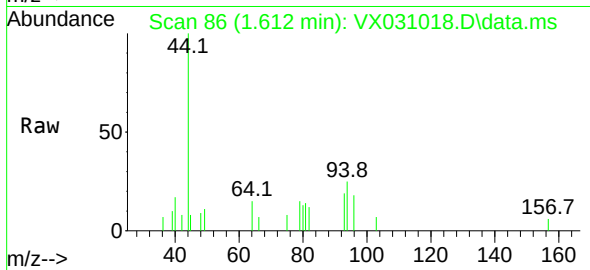




#5
Bromomethane
Concen: 0.442 ug/l
RT: 1.612 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX031018.D
Acq: 01 Sep 2022 10:33

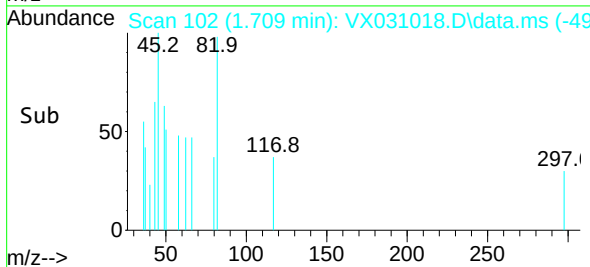
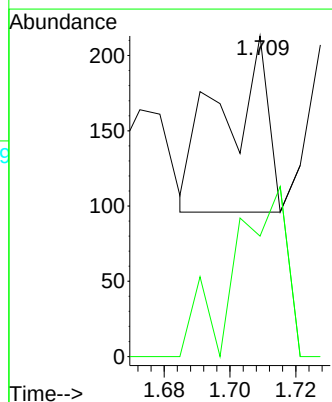
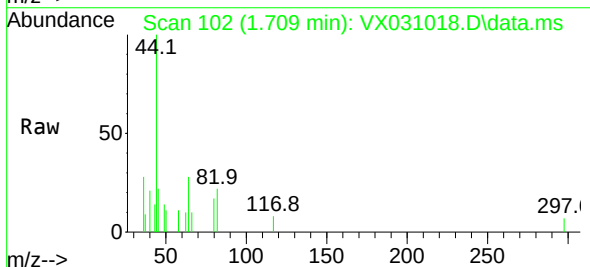
Instrument :
MSVOA_X
ClientSampleId :
IBLK

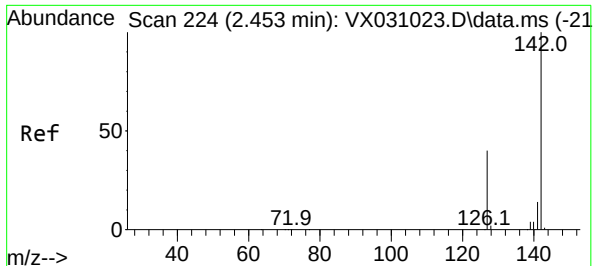
Tgt Ion: 94 Resp: 469
Ion Ratio Lower Upper
94 100
96 72.1 76.9 115.3#



#6
Chloroethane
Concen: 1.803 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.024 min
Lab File: VX031018.D
Acq: 01 Sep 2022 10:33

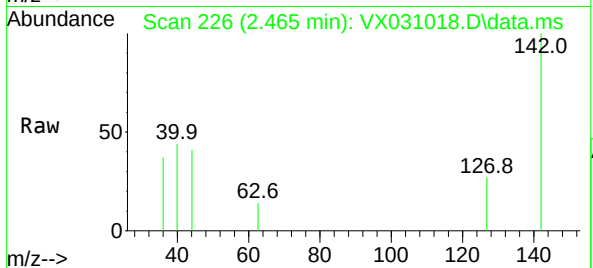
Tgt Ion: 64 Resp: 113
Ion Ratio Lower Upper
64 100
66 68.4 27.2 40.8#



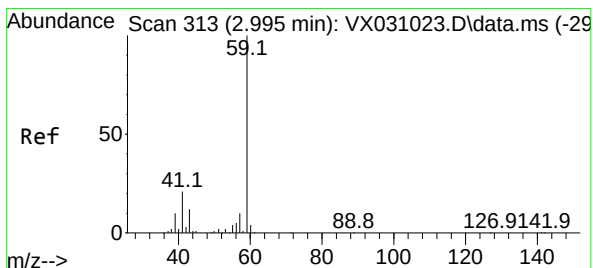
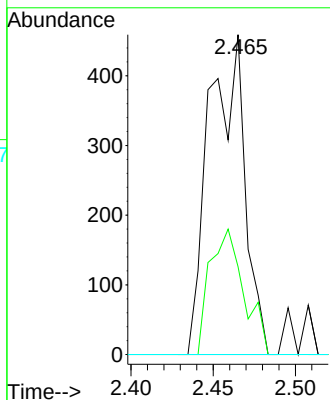
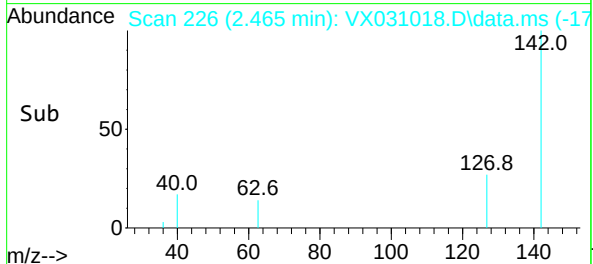


#10
Methyl Iodide
Concen: 3.163 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX031018.D
Acq: 01 Sep 2022 10:33

Instrument :
MSVOA_X
ClientSampleId :
IBLK

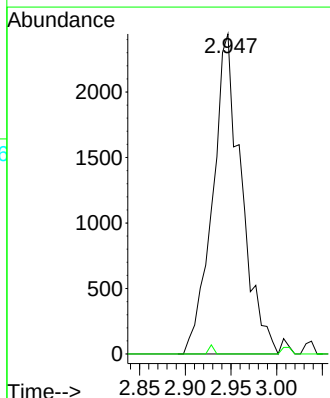
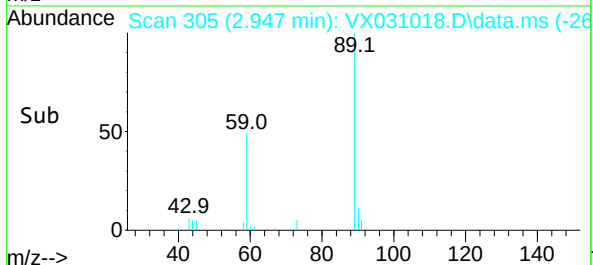
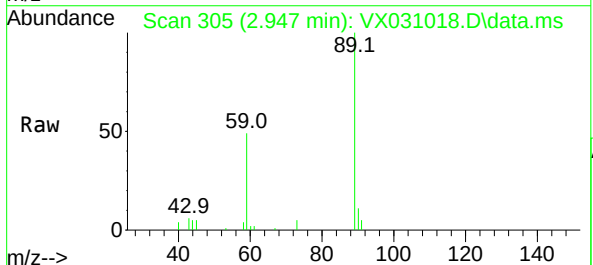


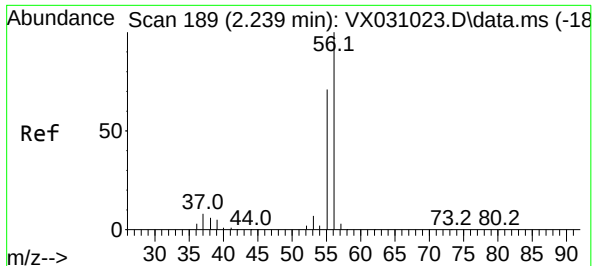
Tgt Ion:142 Resp: 695
Ion Ratio Lower Upper
142 100
127 37.3 30.2 45.2
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.042 min
Lab File: VX031018.D
Acq: 01 Sep 2022 10:33

Tgt Ion: 59 Resp: 5363
Ion Ratio Lower Upper
59 100
57 0.5 7.4 11.2#

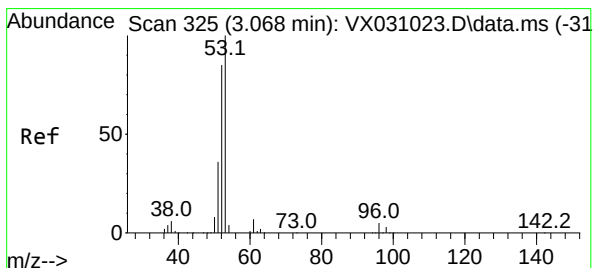
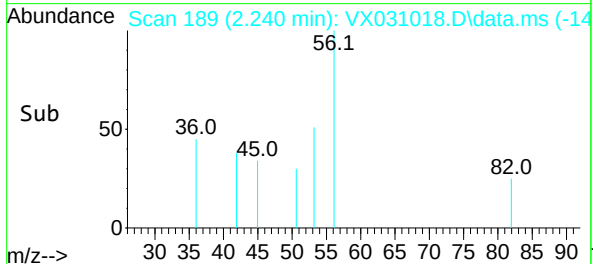
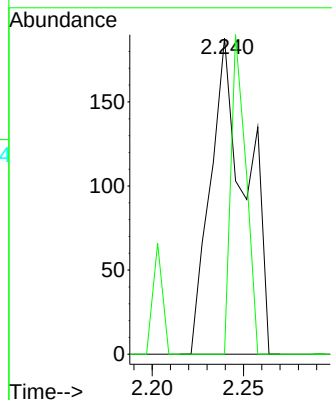
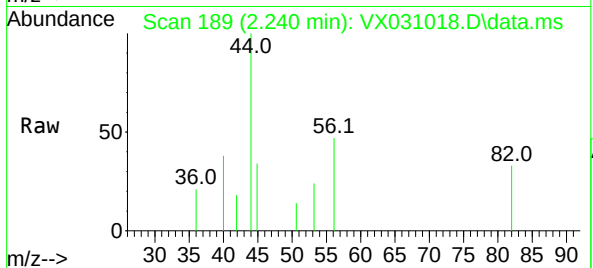




#13
Acrolein
Concen: 0.490 ug/l
RT: 2.240 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX031018.D
Acq: 01 Sep 2022 10:33

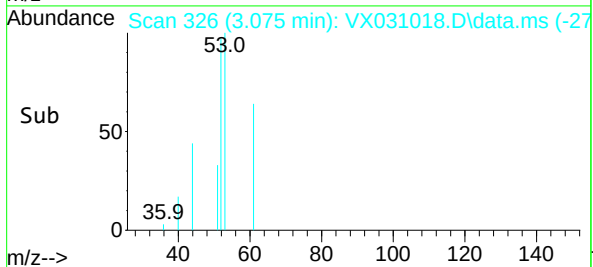
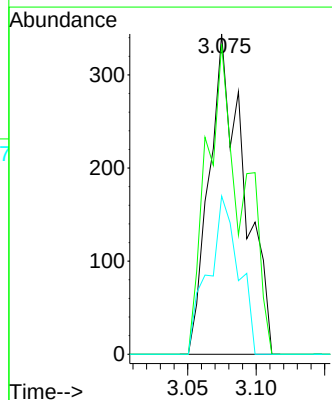
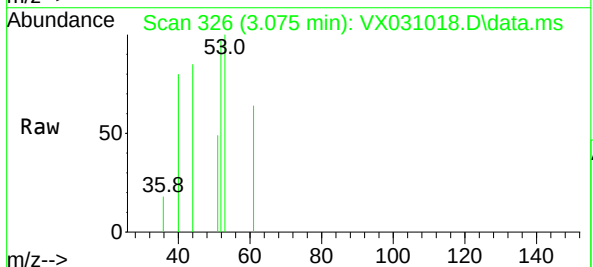
Instrument :
MSVOA_X
ClientSampleId :
IBLK

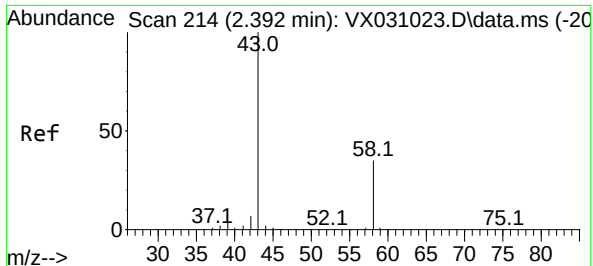
Tgt Ion: 56 Resp: 255
Ion Ratio Lower Upper
56 100
55 42.4 56.6 84.8#



#15
Acrylonitrile
Concen: 0.454 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.006 min
Lab File: VX031018.D
Acq: 01 Sep 2022 10:33

Tgt Ion: 53 Resp: 605
Ion Ratio Lower Upper
53 100
52 100.3 65.4 98.0#
51 43.0 27.7 41.5#

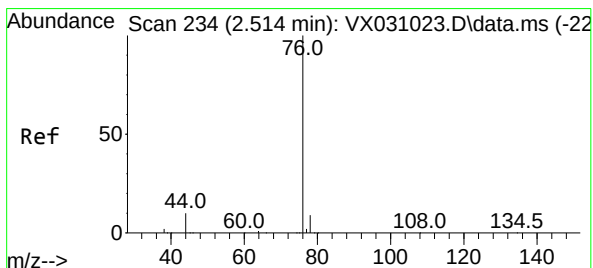
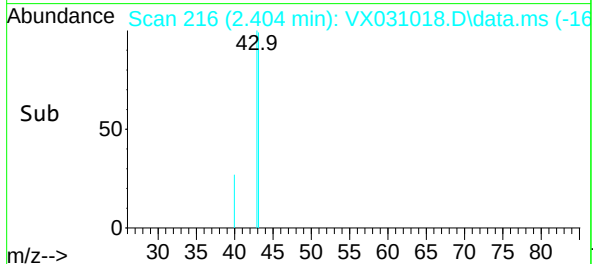
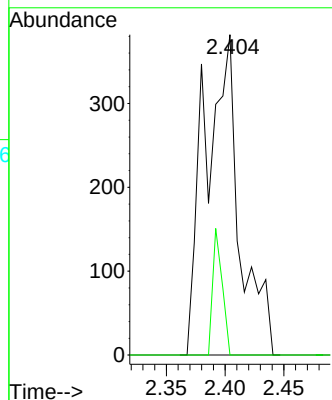
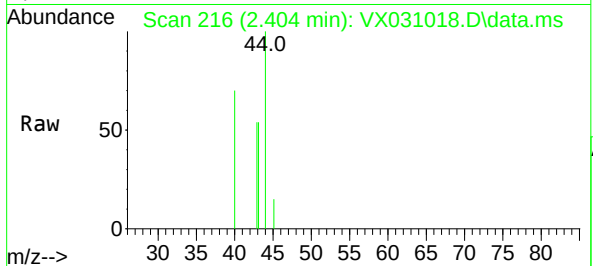




#16
Acetone
Concen: 0.710 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.018 min
Lab File: VX031018.D
Acq: 01 Sep 2022 10:33

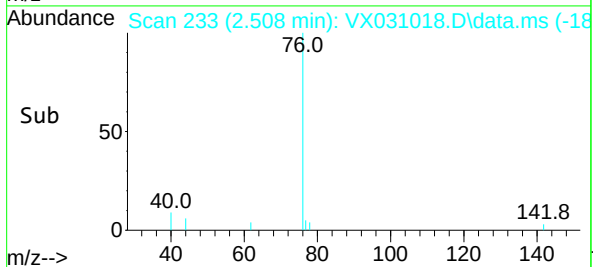
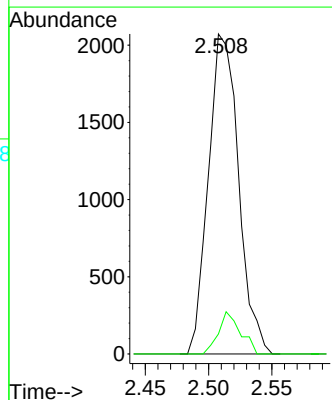
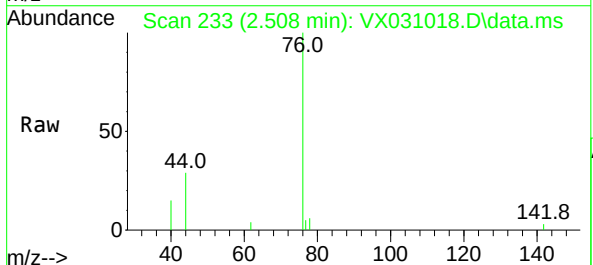
Instrument :
MSVOA_X
ClientSampleId :
IBLK

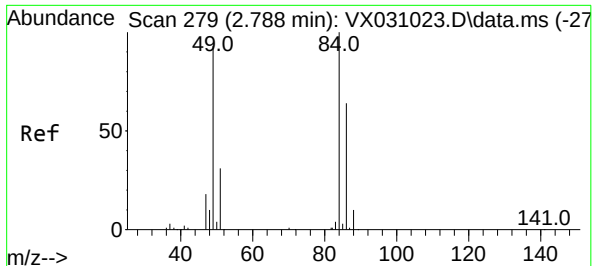
Tgt Ion: 43 Resp: 779
Ion Ratio Lower Upper
43 100
58 0.0 27.7 41.5#



#17
Carbon Disulfide
Concen: 0.516 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX031018.D
Acq: 01 Sep 2022 10:33

Tgt Ion: 76 Resp: 3442
Ion Ratio Lower Upper
76 100
78 6.3 7.8 11.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX031018.D

Acq: 01 Sep 2022 10:33

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion: 84 Resp: 829

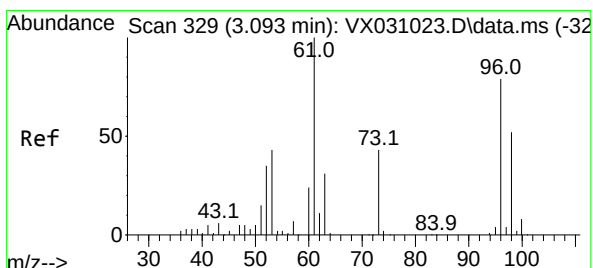
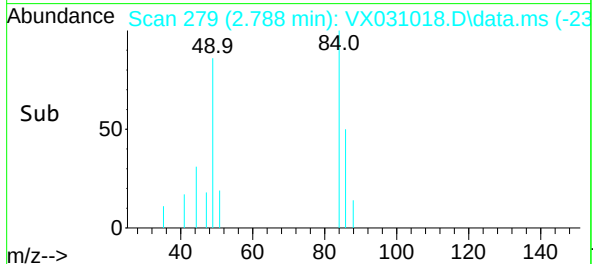
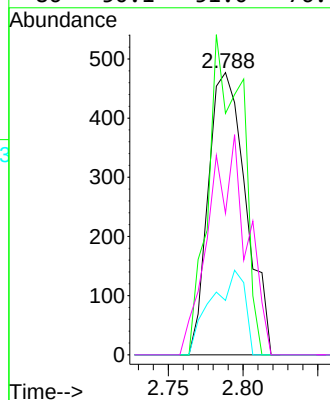
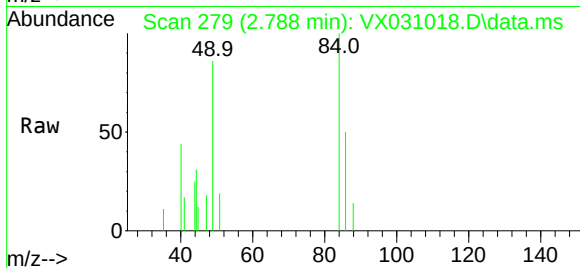
Ion Ratio Lower Upper

84 100

49 85.5 93.8 140.6#

51 19.3 29.4 44.0#

86 50.1 51.0 76.4#



#21

trans-1,2-Dichloroethene

Concen: 0.205 ug/l

RT: 3.099 min Scan# 330

Delta R.T. 0.006 min

Lab File: VX031018.D

Acq: 01 Sep 2022 10:33

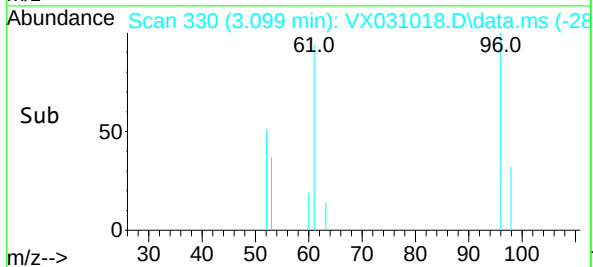
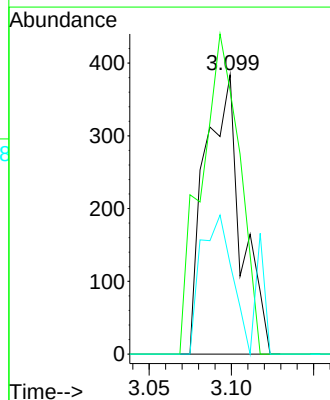
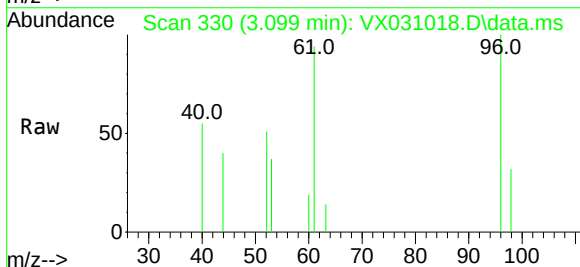
Tgt Ion: 96 Resp: 587

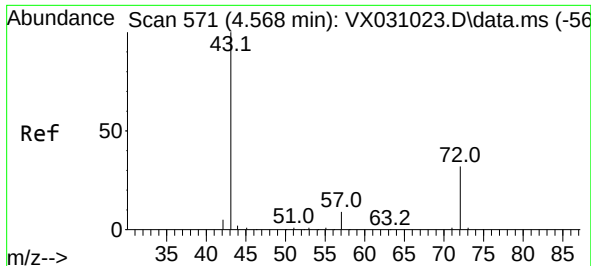
Ion Ratio Lower Upper

96 100

61 94.3 105.6 158.4#

98 32.3 50.1 75.1#

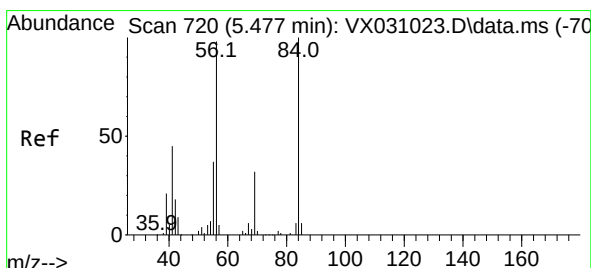
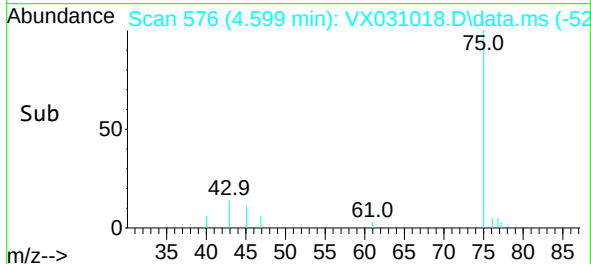
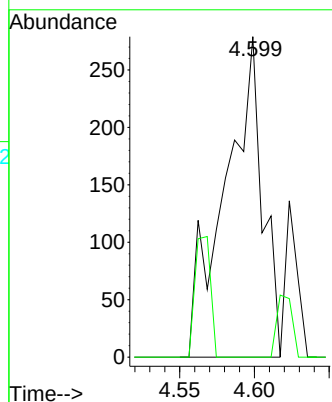
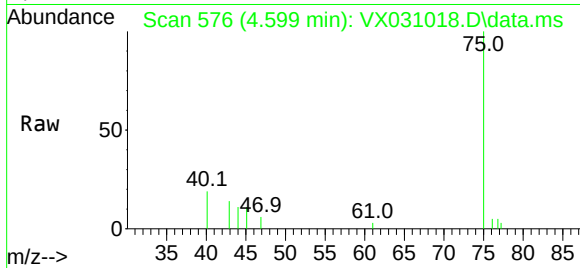




#25
2-Butanone
Concen: 0.286 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX031018.D
Acq: 01 Sep 2022 10:33

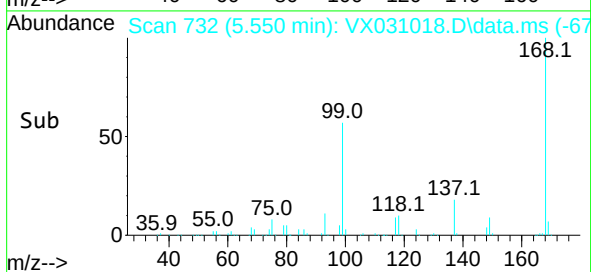
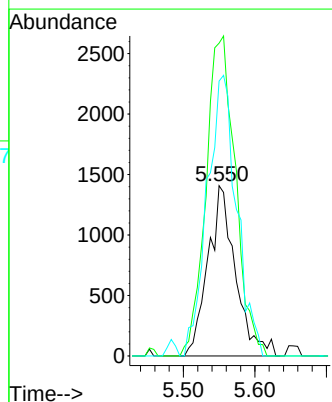
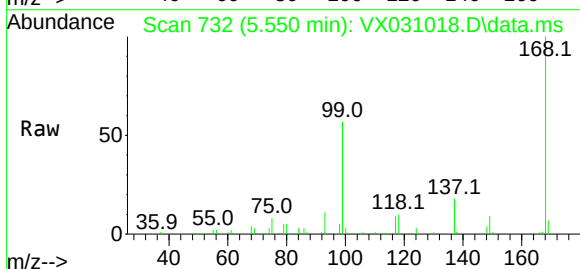
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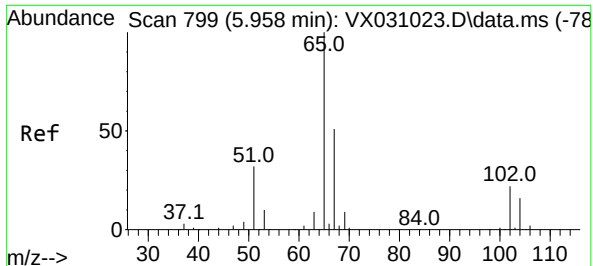
Tgt Ion: 43 Resp: 484
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#31
Cyclohexane
Concen: 0.969 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX031018.D
Acq: 01 Sep 2022 10:33

Tgt Ion: 56 Resp: 3765
Ion Ratio Lower Upper
56 100
69 183.7 25.4 38.0#
84 161.4 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 41.315 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031018.D

Acq: 01 Sep 2022 10:33

Instrument :

MSVOA_X

ClientSampleId :

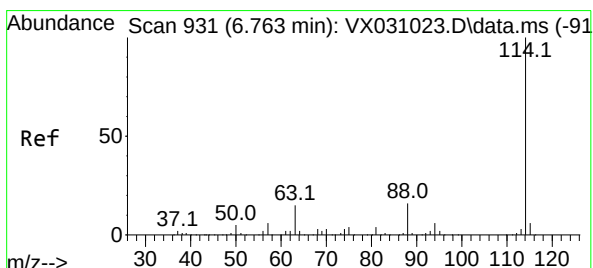
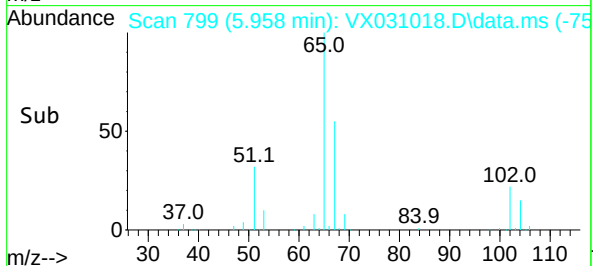
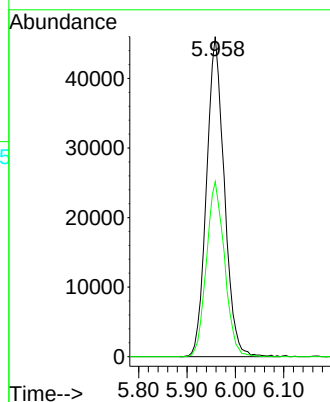
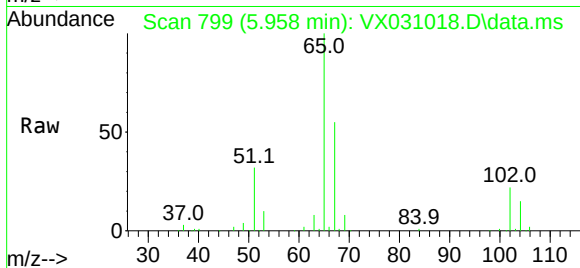
IBLK

Tgt Ion: 65 Resp: 117472

Ion Ratio Lower Upper

65 100

67 55.7 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: VX031018.D

Acq: 01 Sep 2022 10:33

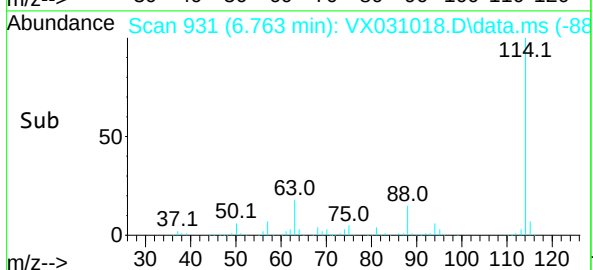
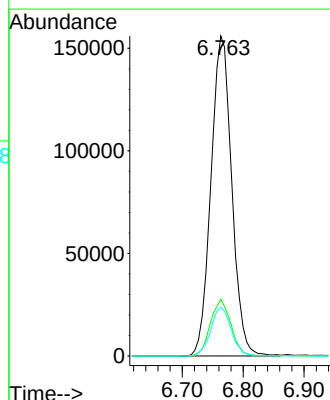
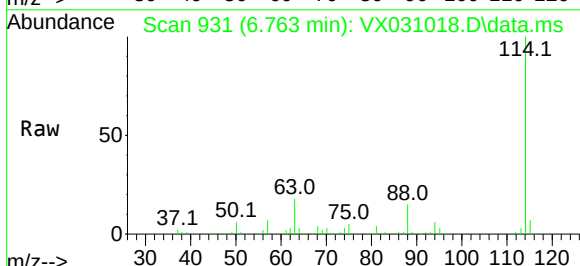
Tgt Ion: 114 Resp: 370452

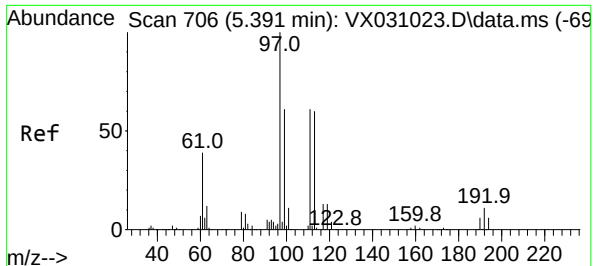
Ion Ratio Lower Upper

114 100

63 17.7 0.0 38.4

88 15.2 0.0 31.8

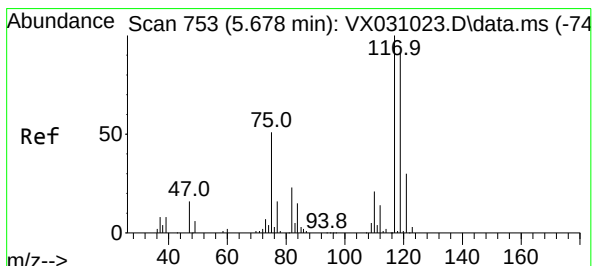
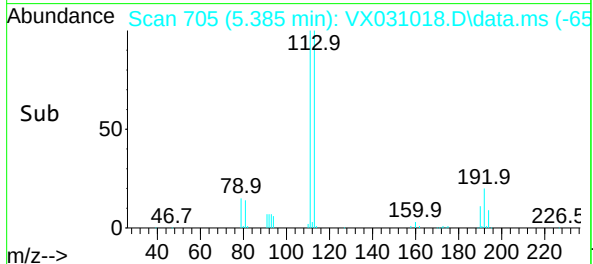
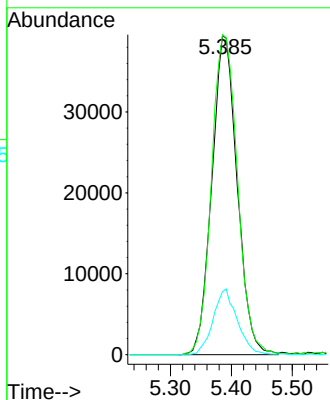
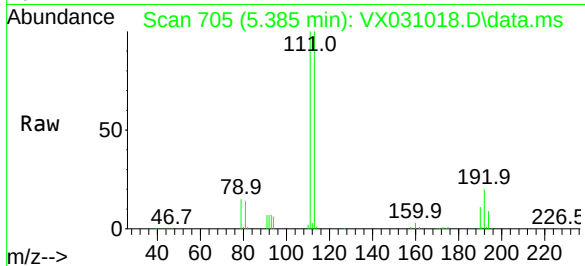




#35
Dibromofluoromethane
Concen: 42.069 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX031018.D
Acq: 01 Sep 2022 10:33

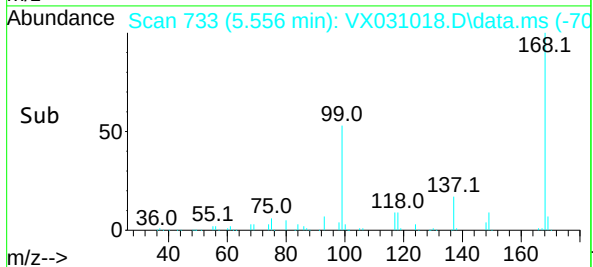
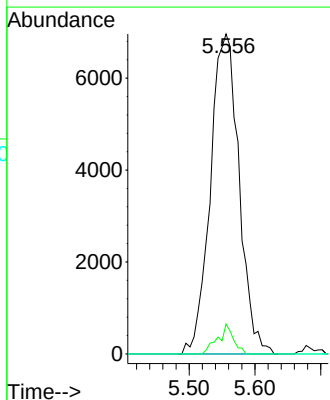
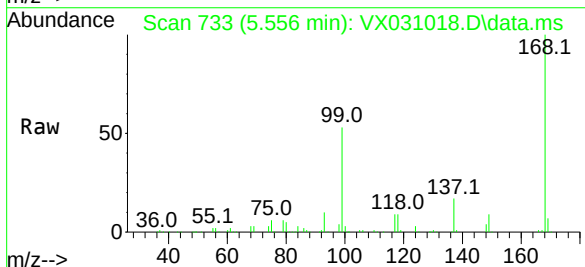
Instrument :
MSVOA_X
ClientSampleId :
IBLK

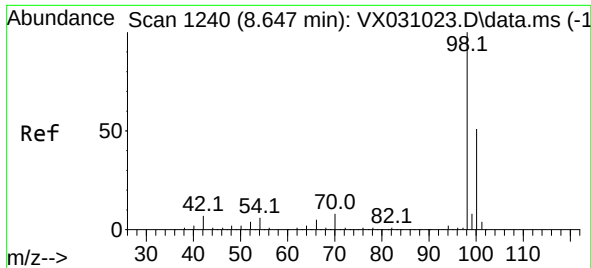
Tgt Ion:113 Resp: 113732
Ion Ratio Lower Upper
113 100
111 103.1 83.2 124.8
192 19.6 14.8 22.2



#38
Carbon Tetrachloride
Concen: 5.372 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX031018.D
Acq: 01 Sep 2022 10:33

Tgt Ion:117 Resp: 21115
Ion Ratio Lower Upper
117 100
119 9.4 74.1 111.1#
121 0.0 25.8 38.8#

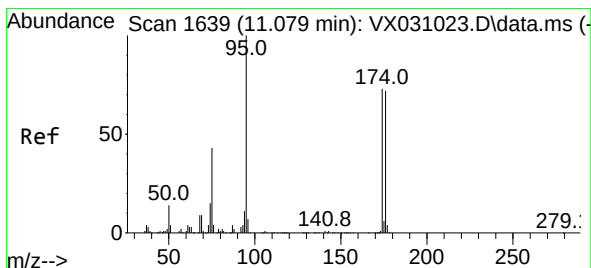
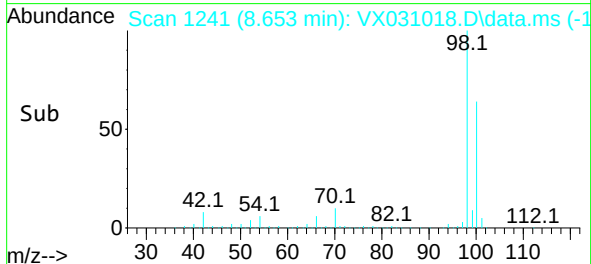
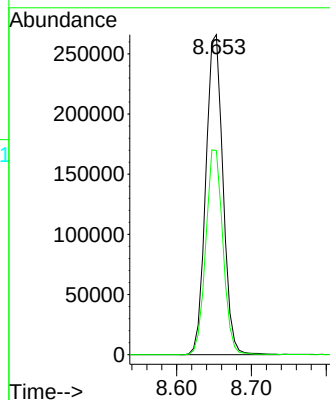
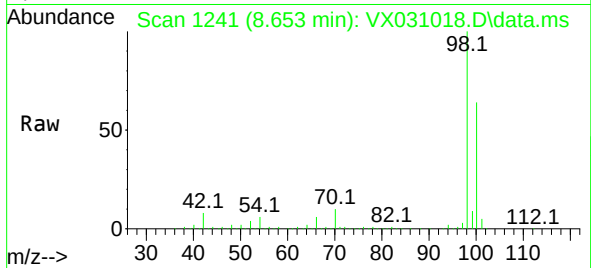




#50
Toluene-d8
Concen: 42.625 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031018.D
Acq: 01 Sep 2022 10:33

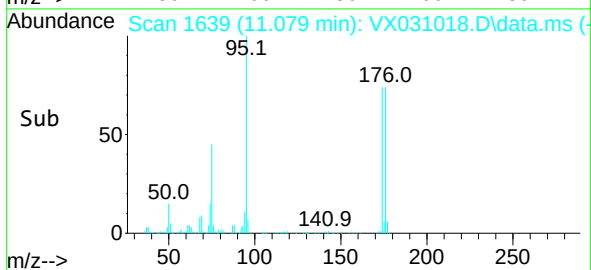
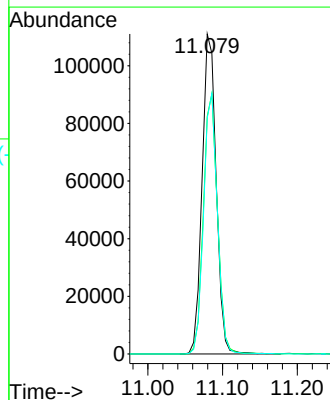
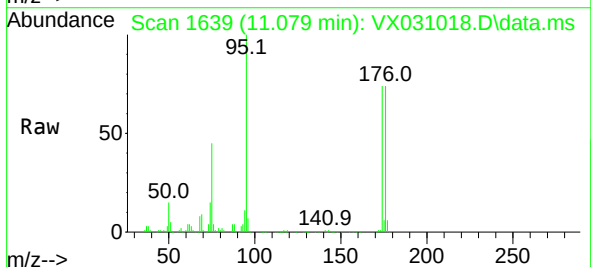
Instrument :
MSVOA_X
ClientSampleId :
IBLK

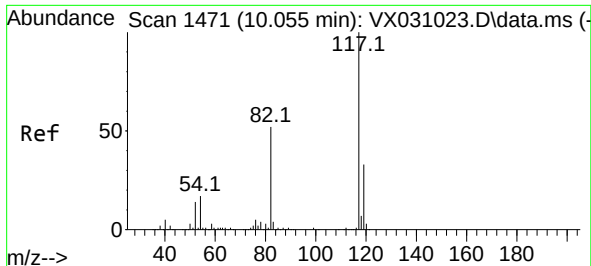
Tgt Ion: 98 Resp: 424101
Ion Ratio Lower Upper
98 100
100 64.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 41.289 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX031018.D
Acq: 01 Sep 2022 10:33

Tgt Ion: 95 Resp: 145098
Ion Ratio Lower Upper
95 100
174 81.3 0.0 149.0
176 80.0 0.0 146.0

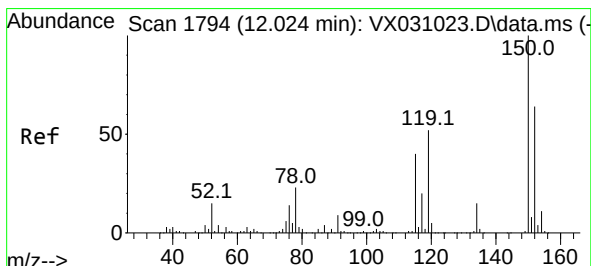
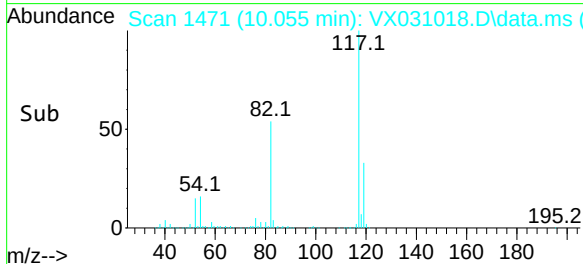
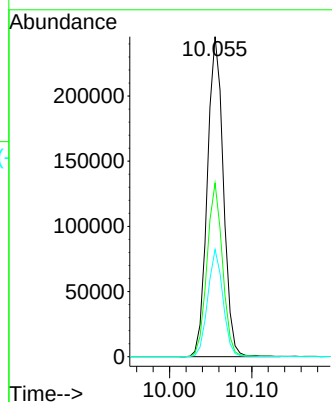
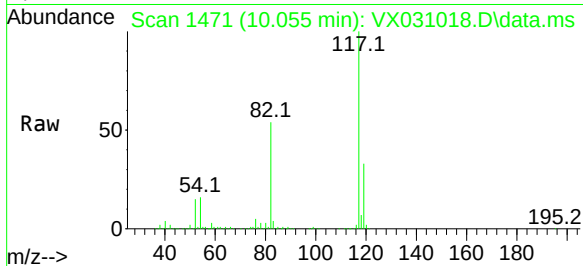




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031018.D
Acq: 01 Sep 2022 10:33

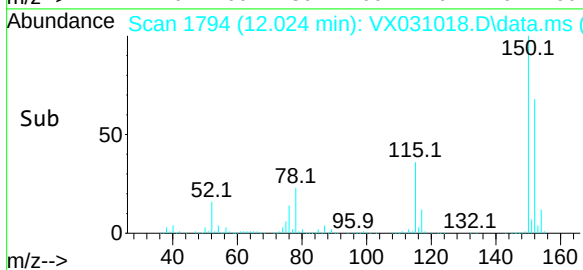
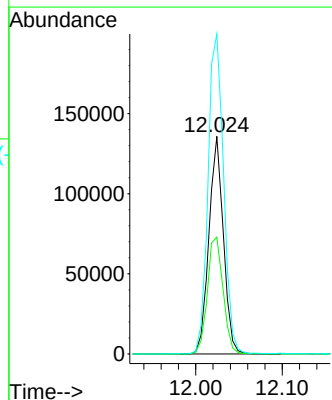
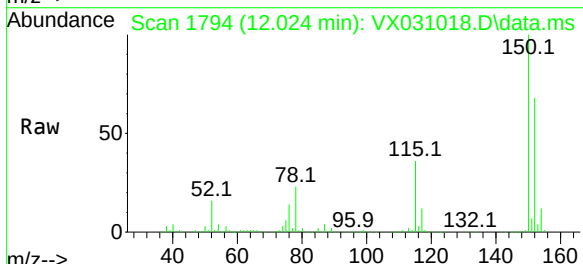
Instrument :
MSVOA_X
ClientSampleId :
IBLK

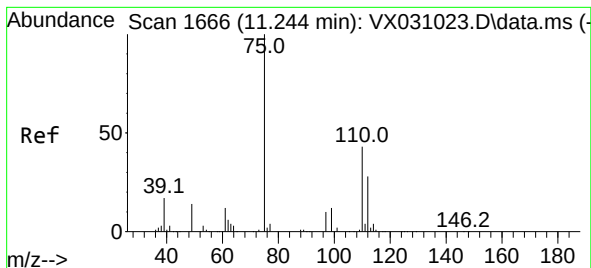
Tgt Ion:117 Resp: 332207
Ion Ratio Lower Upper
117 100
82 54.2 42.7 64.1
119 33.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031018.D
Acq: 01 Sep 2022 10:33

Tgt Ion:152 Resp: 157933
Ion Ratio Lower Upper
152 100
115 58.1 40.5 121.5
150 157.7 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 17.371 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX031018.D

Acq: 01 Sep 2022 10:33

Instrument :

MSVOA_X

ClientSampleId :

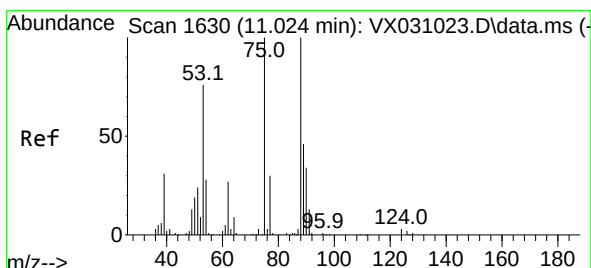
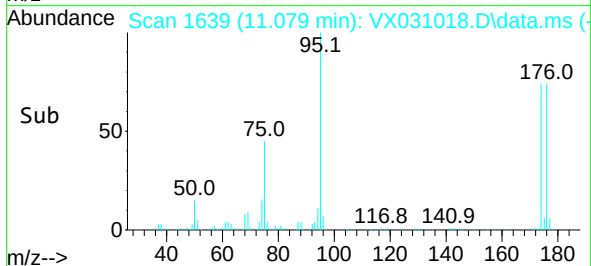
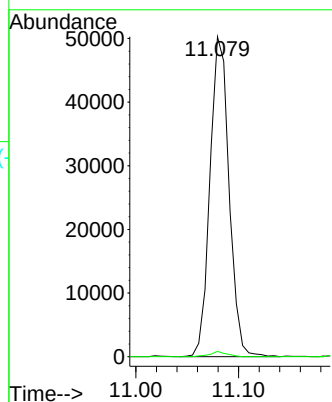
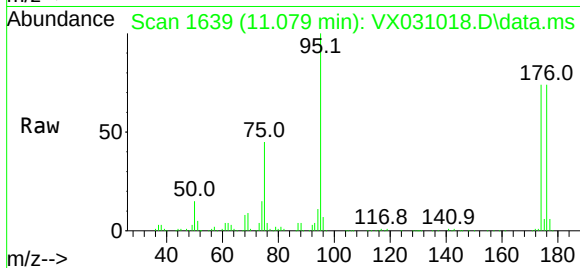
IBLK

Tgt Ion: 75 Resp: 64854

Ion Ratio Lower Upper

75 100

77 1.4 19.8 59.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.593 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.055 min

Lab File: VX031018.D

Acq: 01 Sep 2022 10:33

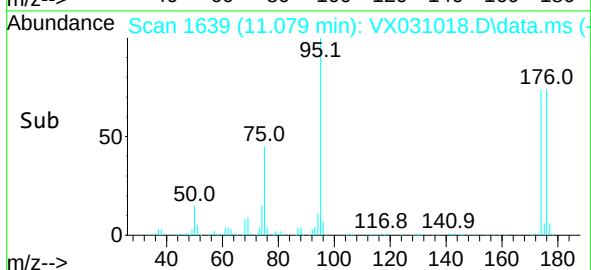
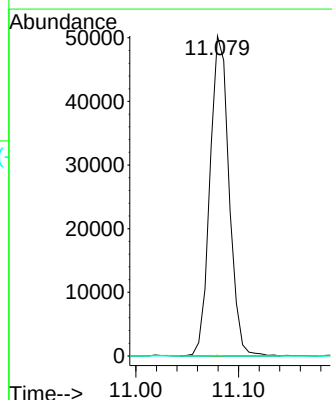
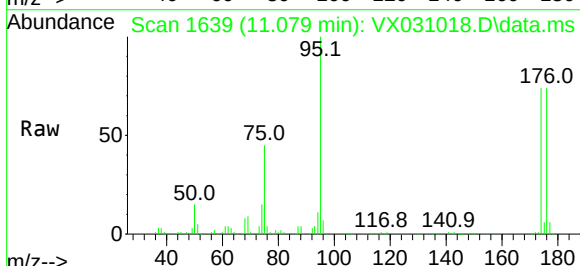
Tgt Ion: 75 Resp: 64854

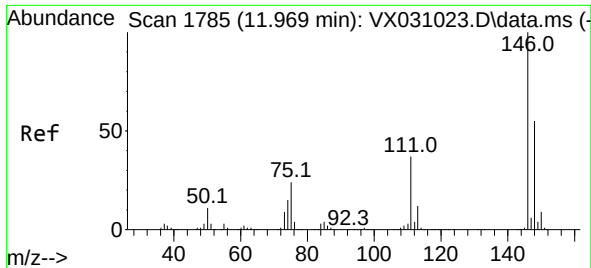
Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.1 34.8 52.2#





#87

1,3-Dichlorobenzene

Concen: 0.218 ug/l

RT: 11.982 min Scan# 1787

Delta R.T. 0.013 min

Lab File: VX031018.D

Acq: 01 Sep 2022 10:33

Instrument :

MSVOA_X

ClientSampleId :

IBLK

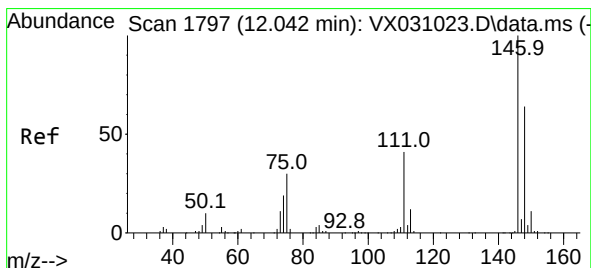
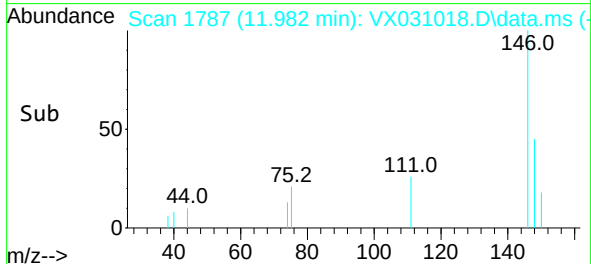
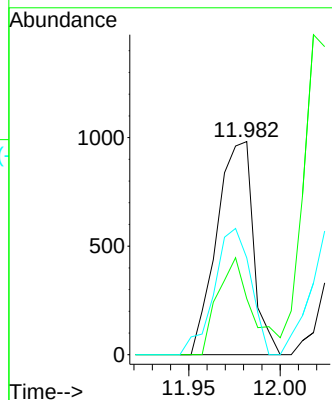
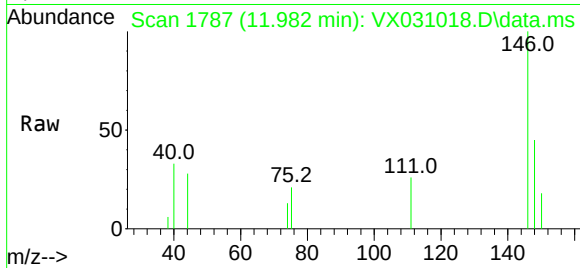
Tgt Ion:146 Resp: 1369

Ion Ratio Lower Upper

146 100

111 43.3 20.3 60.8

148 59.2 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.219 ug/l

RT: 11.982 min Scan# 1787

Delta R.T. -0.061 min

Lab File: VX031018.D

Acq: 01 Sep 2022 10:33

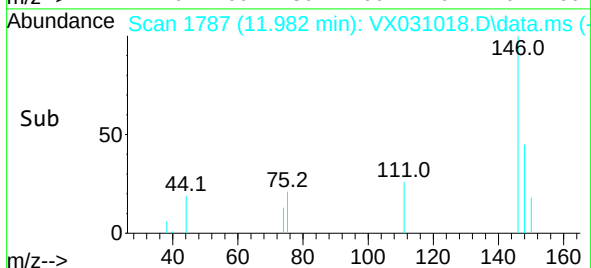
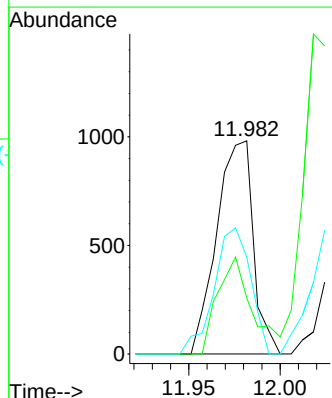
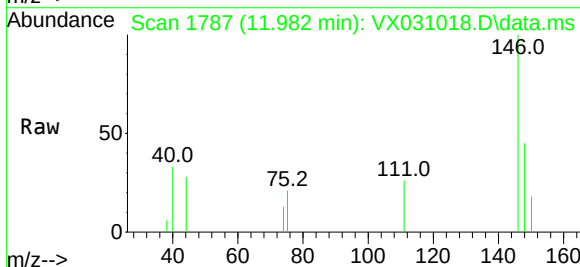
Tgt Ion:146 Resp: 1369

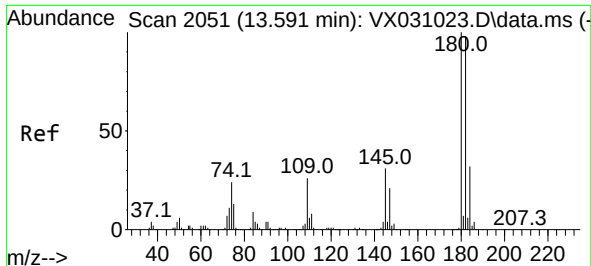
Ion Ratio Lower Upper

146 100

111 43.3 20.3 60.9

148 59.2 32.3 96.8

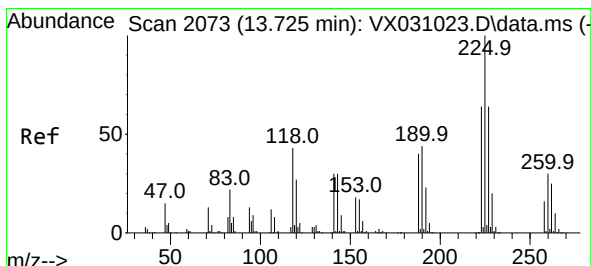
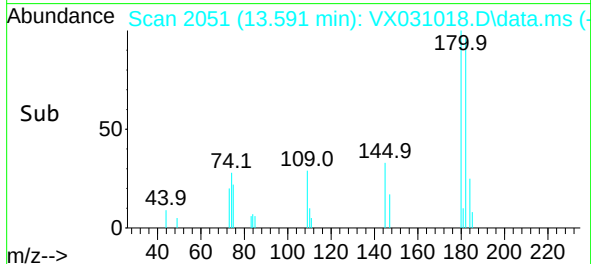
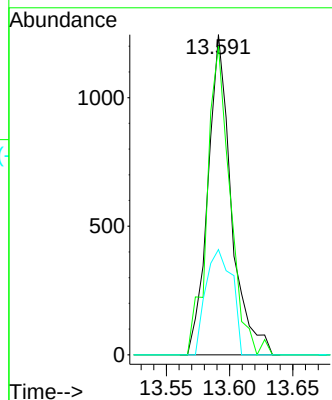
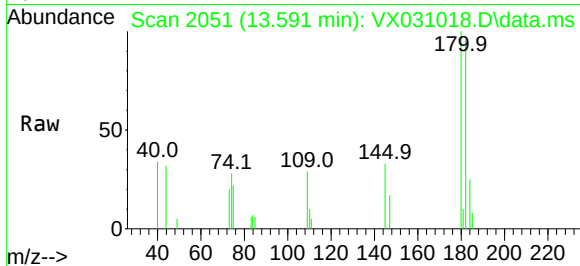




#93
 1,2,4-Trichlorobenzene
 Concen: 0.393 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.000 min
 Lab File: VX031018.D
 Acq: 01 Sep 2022 10:33

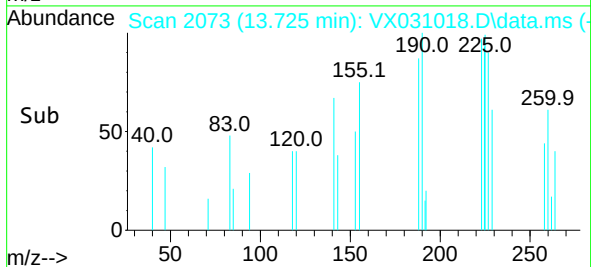
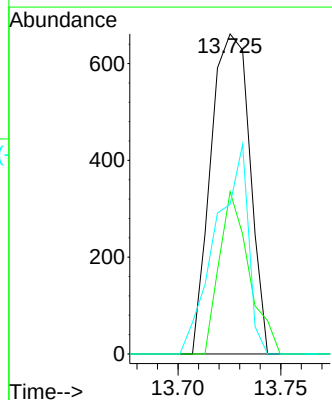
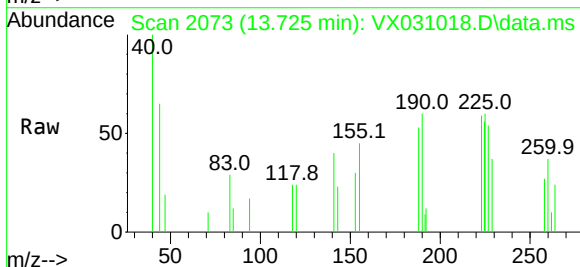
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

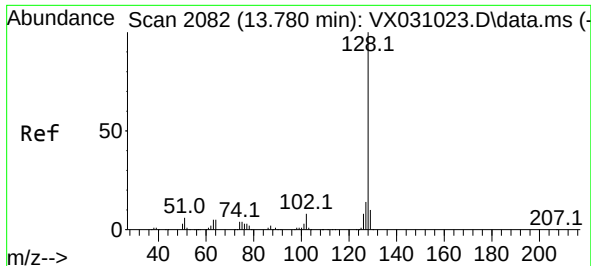
Tgt Ion:180 Resp: 1605
 Ion Ratio Lower Upper
 180 100
 182 94.5 48.2 144.6
 145 36.8 15.9 47.6



#94
 Hexachlorobutadiene
 Concen: 0.486 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX031018.D
 Acq: 01 Sep 2022 10:33

Tgt Ion:225 Resp: 869
 Ion Ratio Lower Upper
 225 100
 223 38.9 30.6 91.6
 227 54.5 31.9 95.9

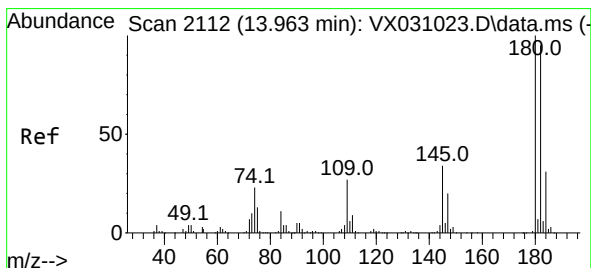
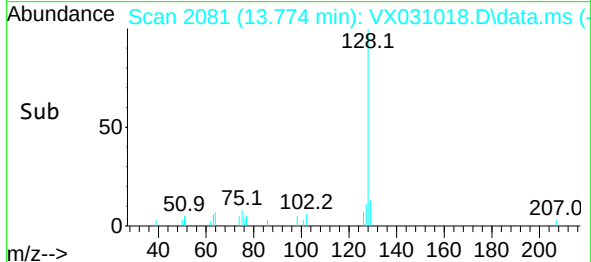
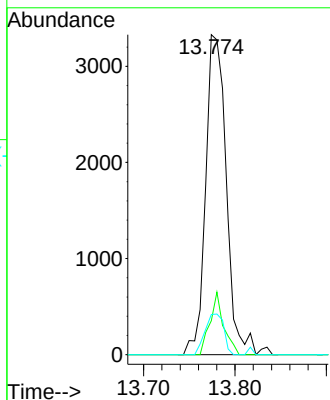
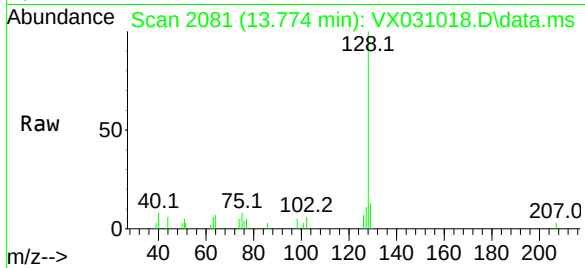




#95
Naphthalene
Concen: 0.367 ug/l
RT: 13.774 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX031018.D
Acq: 01 Sep 2022 10:33

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:	128	Resp:	5247
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.4	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.346 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX031018.D
Acq: 01 Sep 2022 10:33

Tgt Ion:	180	Resp:	1483
Ion	Ratio	Lower	Upper
180	100		
182	90.8	47.0	141.0
145	32.4	17.0	50.9

