

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120621\
 Data File : VX025554.D
 Acq On : 06 Dec 2021 17:16
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Dec 07 06:02:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

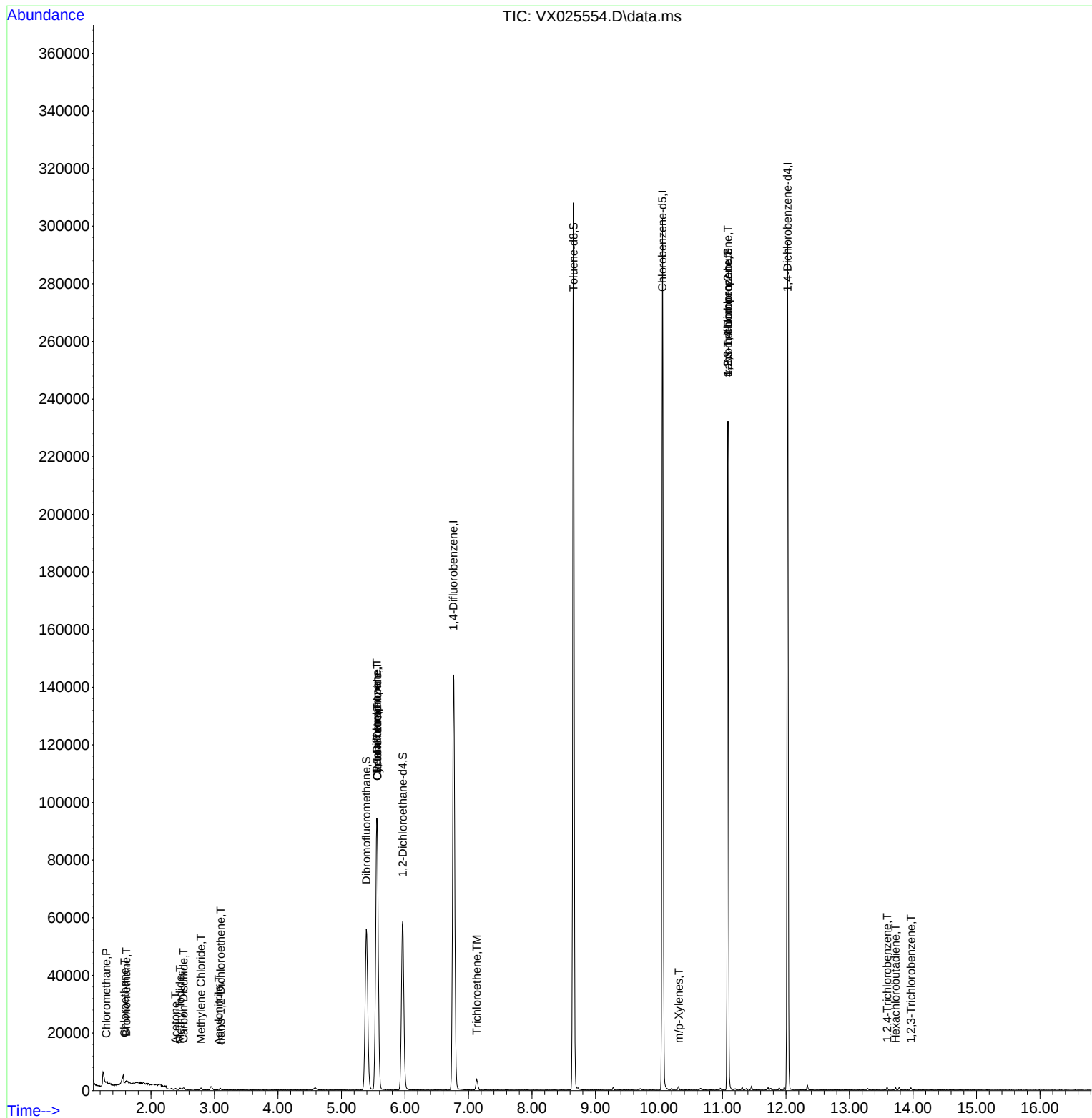
Internal Standards						
1) Pentafluorobenzene	5.556	168	95530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	156580	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	139660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	55216	54.835	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.660%	
35) Dibromofluoromethane	5.391	113	48057	50.022	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.040%	
50) Toluene-d8	8.653	98	178830	49.507	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.020%	
62) 4-Bromofluorobenzene	11.085	95	61728	45.171	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.340%	
Target Compounds						Qvalue
3) Chloromethane	1.295	50	215	0.210	ug/l #	42
5) Bromomethane	1.612	94	381	0.787	ug/l	86
6) Chloroethane	1.587	64	758	0.976	ug/l #	43
10) Methyl Iodide	2.459	142	630	0.567	ug/l #	81
11) Tert butyl alcohol	2.941	59	703	Below Cal	#	72
15) Acrylonitrile	3.069	53	159	0.294	ug/l #	40
16) Acetone	2.386	43	412	0.736	ug/l #	79
17) Carbon Disulfide	2.514	76	896	0.360	ug/l #	76
20) Methylene Chloride	2.788	84	293	0.279	ug/l #	93
21) trans-1,2-Dichloroethene	3.099	96	262	0.270	ug/l #	35
31) Cyclohexane	5.562	56	2003	1.287	ug/l #	47
36) 1,1-Dichloropropene	5.556	75	6547	4.792	ug/l #	50
38) Carbon Tetrachloride	5.562	117	8821	5.862	ug/l #	17
44) Trichloroethene	7.129	130	1593	1.325	ug/l	88
68) m/p-Xylenes	10.311	106	403	0.201	ug/l	99
76) 1,2,3-Trichloropropane	11.085	75	30390	24.120	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	30390	60.763	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.591	180	410	0.340	ug/l #	90
94) Hexachlorobutadiene	13.725	225	223	0.386	ug/l #	69
95) Naphthalene	13.786	128	830	Below Cal	#	92
96) 1,2,3-Trichlorobenzene	13.969	180	394	0.334	ug/l	84

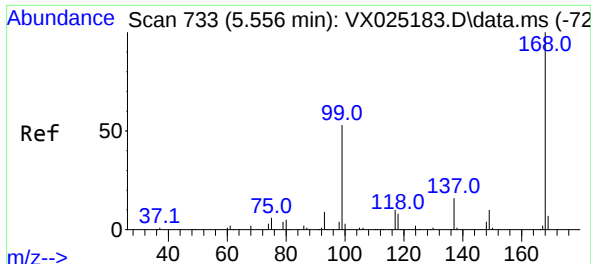
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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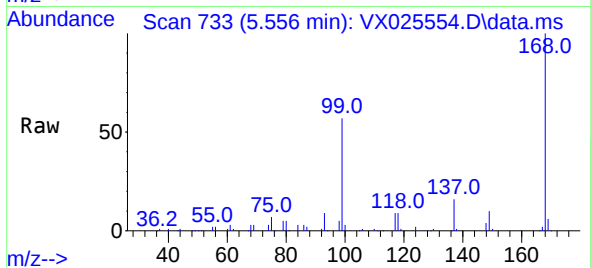
Quant Time: Dec 07 06:02:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
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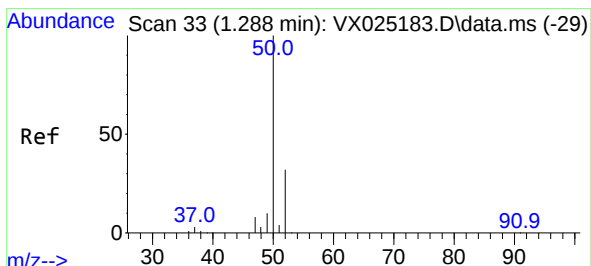
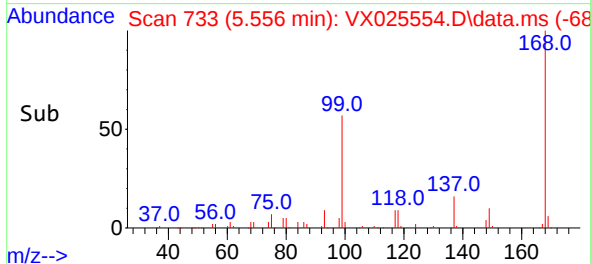
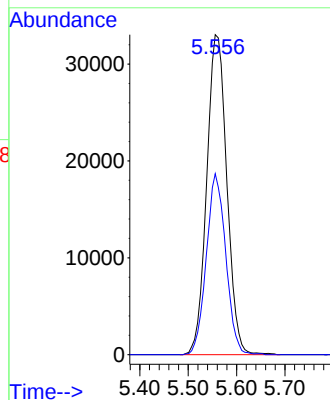


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

Instrument :
MSVOA_X
ClientSampleId :
IBLK

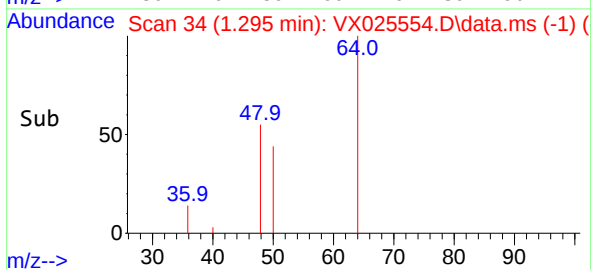
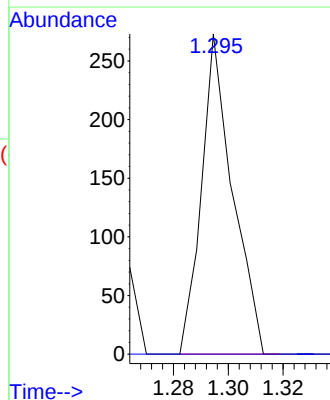
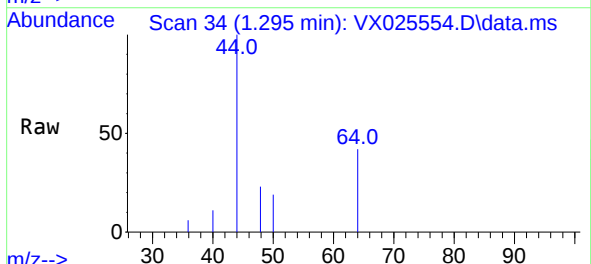


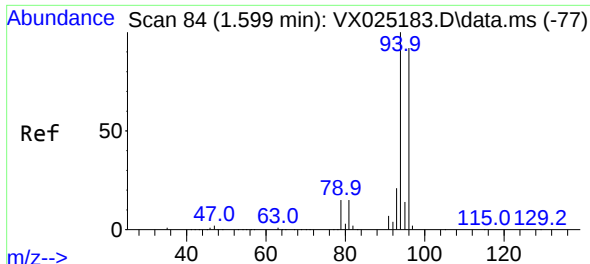
Tgt Ion:168 Resp: 95530
Ion Ratio Lower Upper
168 100
99 56.6 46.4 69.6



#3
Chloromethane
Concen: 0.210 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

Tgt Ion: 50 Resp: 215
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

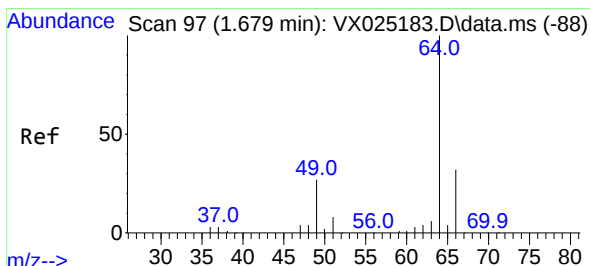
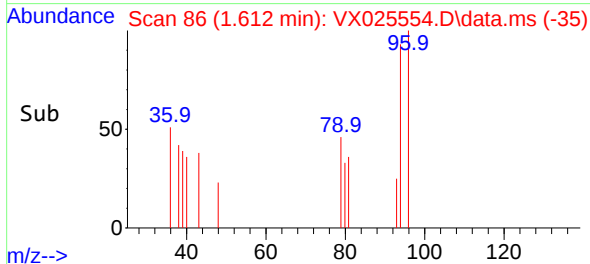
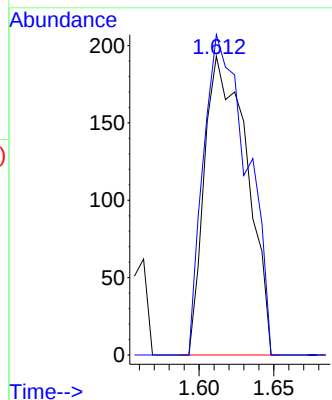
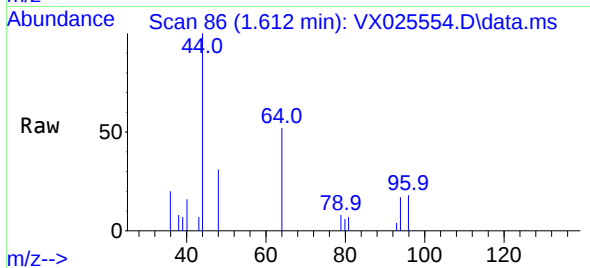




#5
Bromomethane
Concen: 0.787 ug/l
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

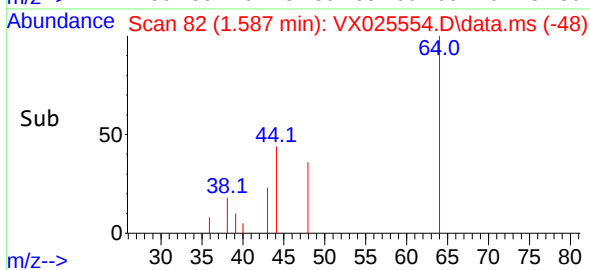
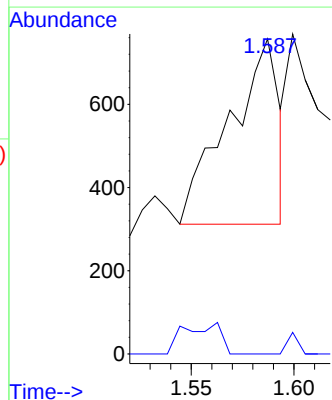
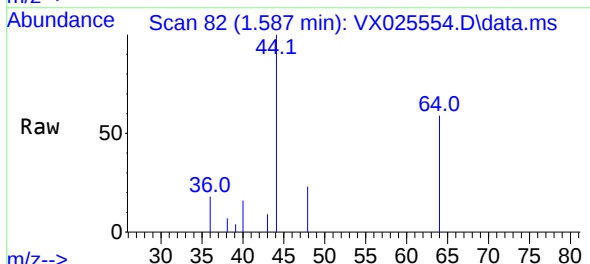
Instrument :
MSVOA_X
ClientSampleId :
IBLK

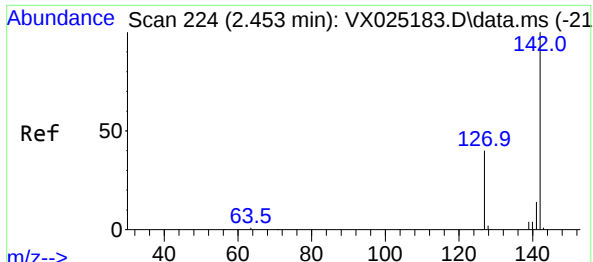
Tgt Ion: 94 Resp: 381
Ion Ratio Lower Upper
94 100
96 107.3 74.8 112.2



#6
Chloroethane
Concen: 0.976 ug/l
RT: 1.587 min Scan# 82
Delta R.T. -0.092 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

Tgt Ion: 64 Resp: 758
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#

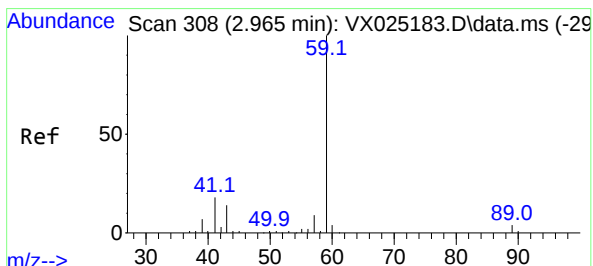
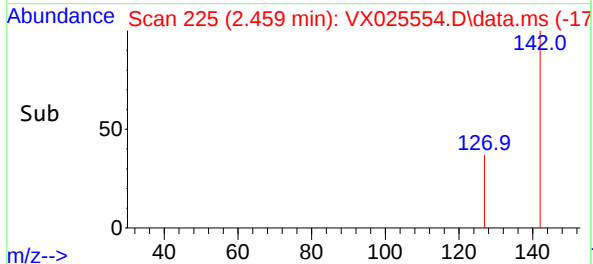
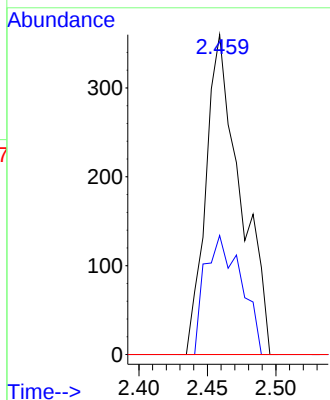
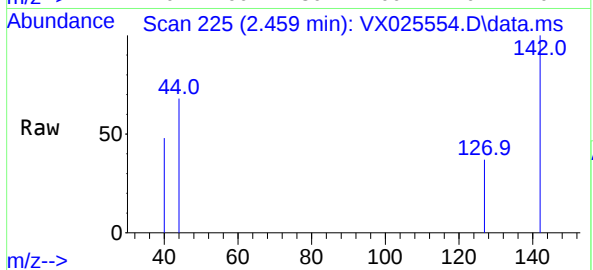




#10
Methyl Iodide
Concen: 0.567 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

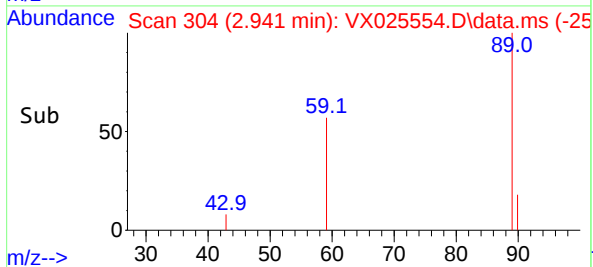
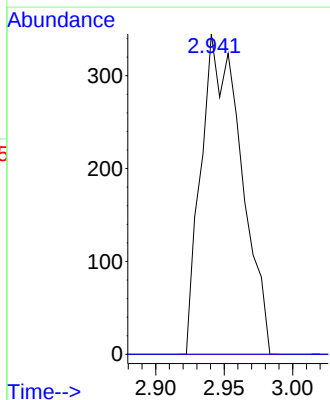
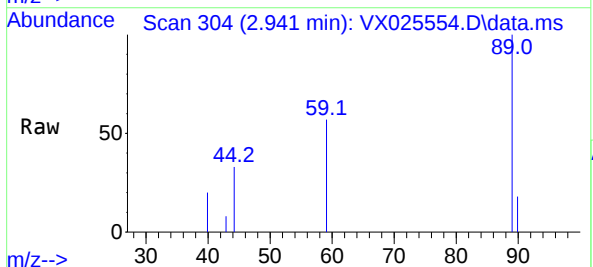
Instrument :
MSVOA_X
ClientSampleId :
IBLK

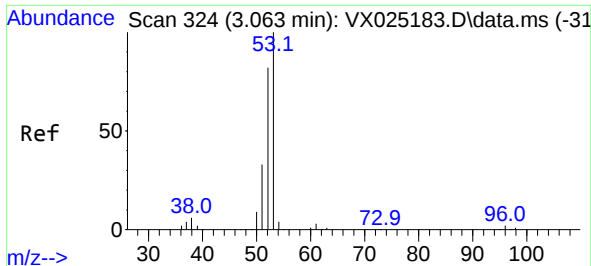
Tgt Ion:142 Resp: 630
Ion Ratio Lower Upper
142 100
127 38.9 38.9 58.3
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

Tgt Ion: 59 Resp: 703
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

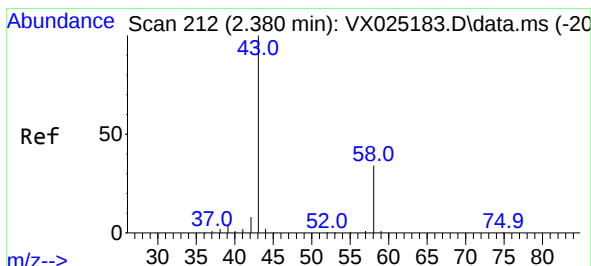
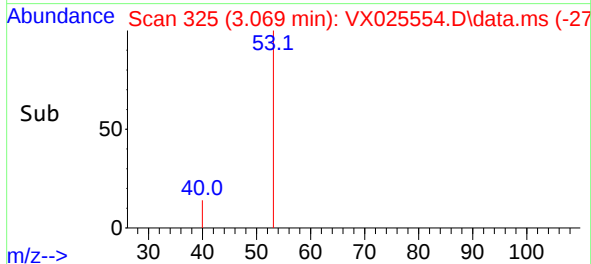
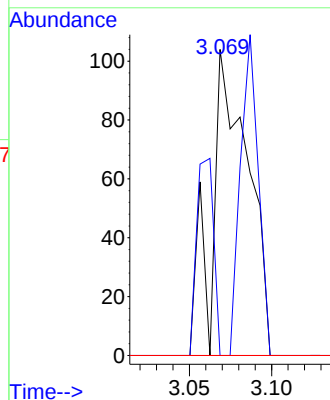
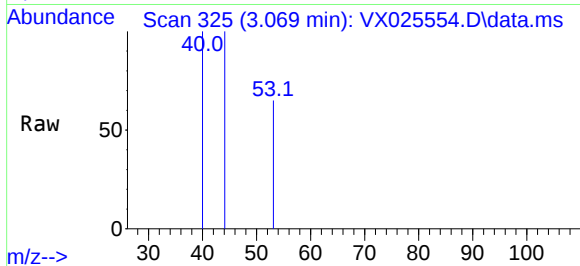




#15
Acrylonitrile
Concen: 0.294 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

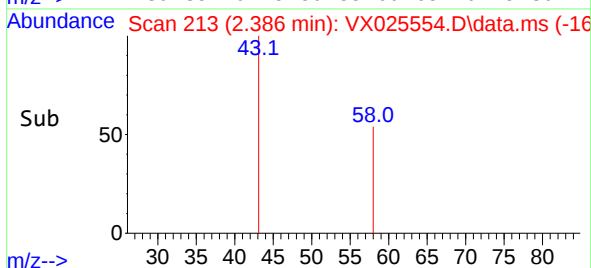
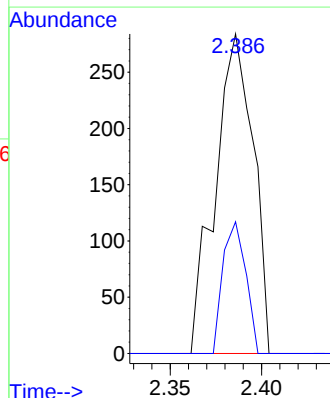
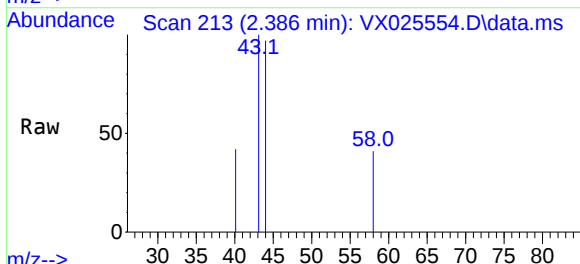
Instrument :
MSVOA_X
ClientSampleId :
IBLK

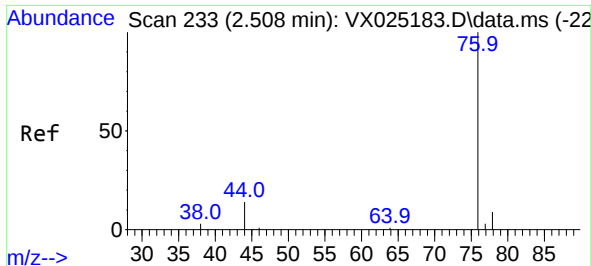
Tgt Ion: 53 Resp: 159
Ion Ratio Lower Upper
53 100
52 30.2 66.2 99.4#
51 0.0 29.8 44.8#



#16
Acetone
Concen: 0.736 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

Tgt Ion: 43 Resp: 412
Ion Ratio Lower Upper
43 100
58 41.2 24.0 36.0#

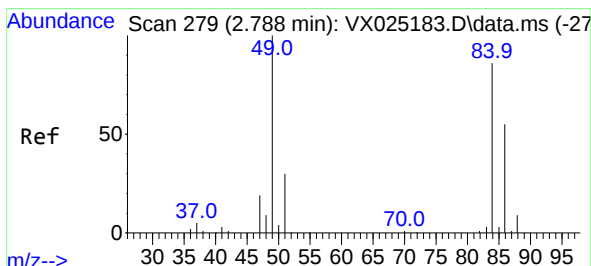
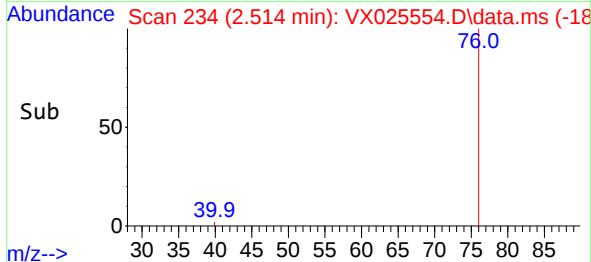
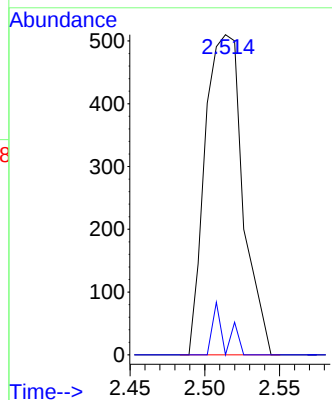
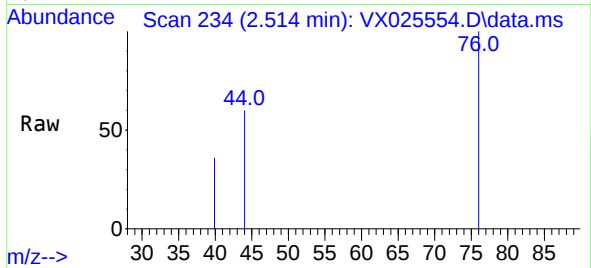




#17
Carbon Disulfide
Concen: 0.360 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

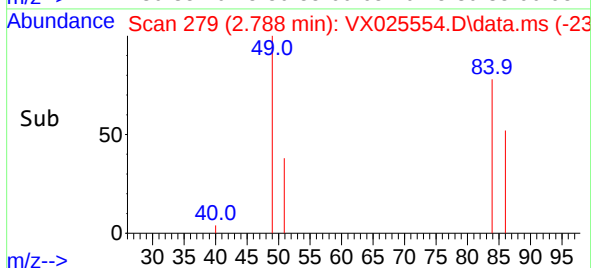
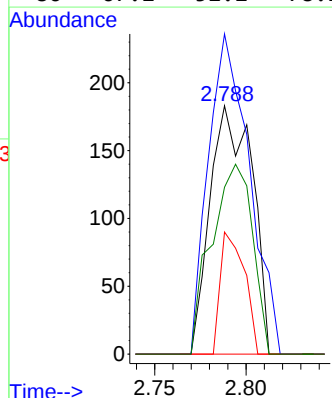
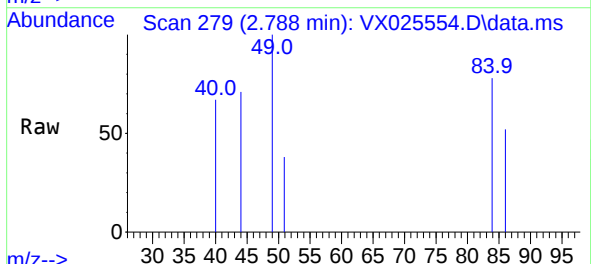
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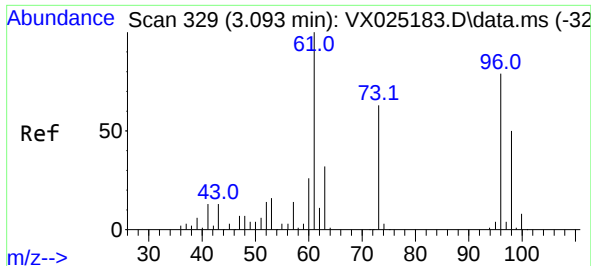
Tgt Ion: 76 Resp: 896
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



#20
Methylene Chloride
Concen: 0.279 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

Tgt Ion: 84 Resp: 293
Ion Ratio Lower Upper
84 100
49 129.0 98.2 147.2
51 49.2 30.2 45.4#
86 67.2 52.2 78.2

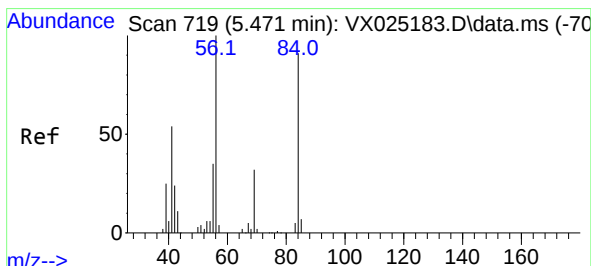
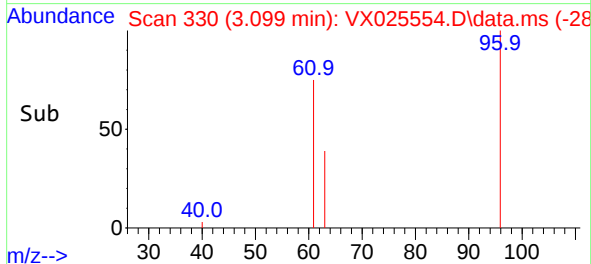
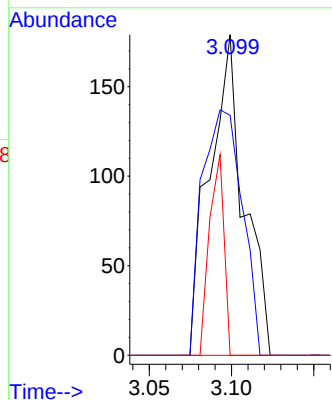
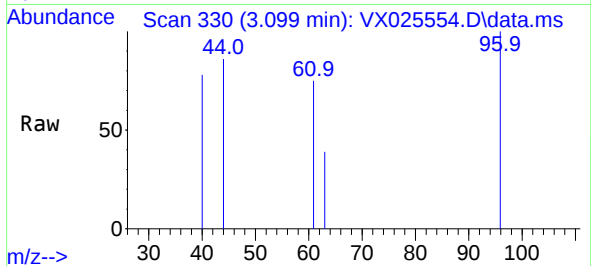




#21
trans-1,2-Dichloroethene
Concen: 0.270 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

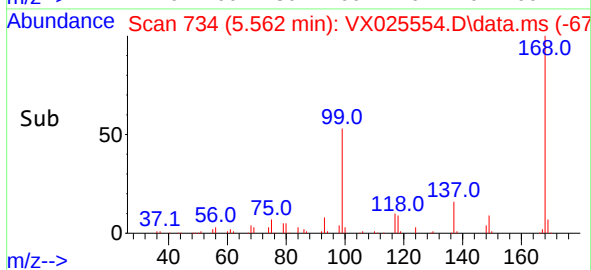
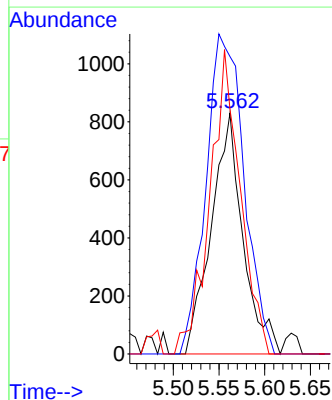
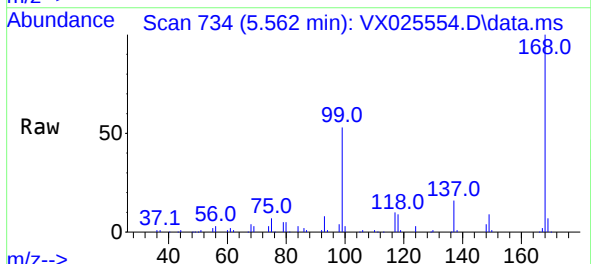
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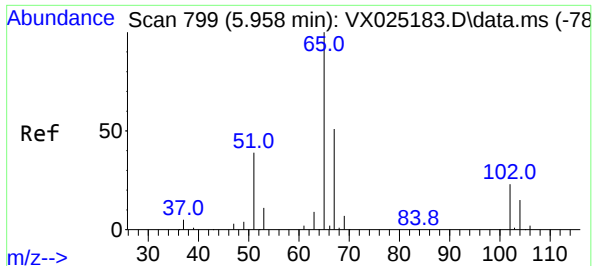
Tgt Ion: 96 Resp: 262
Ion Ratio Lower Upper
96 100
61 74.9 117.9 176.9#
98 0.0 51.1 76.7#



#31
Cyclohexane
Concen: 1.287 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.091 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

Tgt Ion: 56 Resp: 2003
Ion Ratio Lower Upper
56 100
69 123.5 24.2 36.2#
84 101.7 71.5 107.3





#33

1,2-Dichloroethane-d4

Concen: 54.835 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX025554.D

Acq: 06 Dec 2021 17:16

Instrument :

MSVOA_X

ClientSampleId :

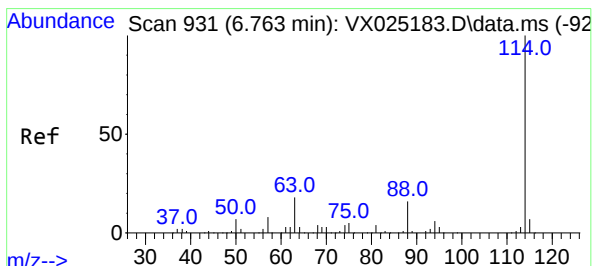
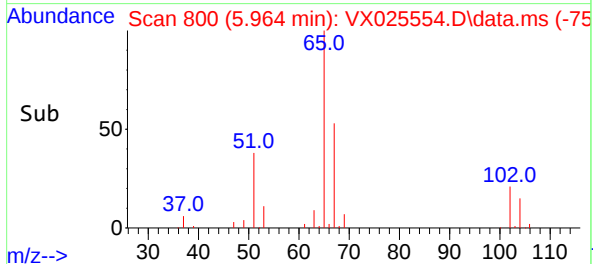
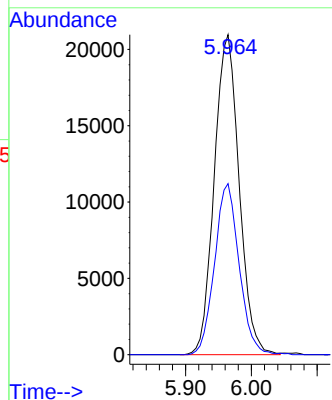
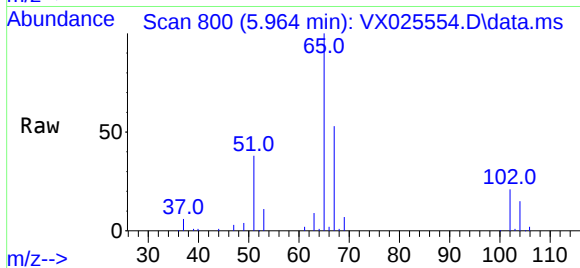
IBLK

Tgt Ion: 65 Resp: 55216

Ion Ratio Lower Upper

65 100

67 52.8 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX025554.D

Acq: 06 Dec 2021 17:16

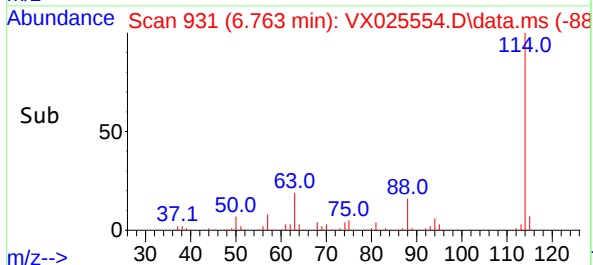
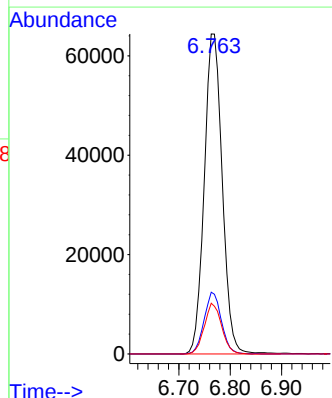
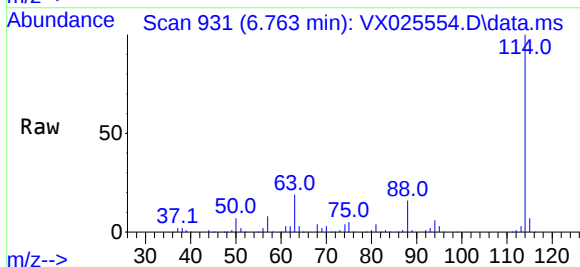
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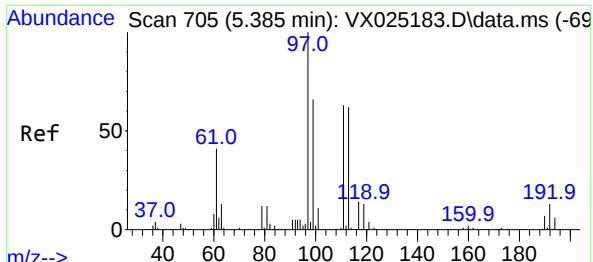
Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.0

88 15.9 0.0 34.8

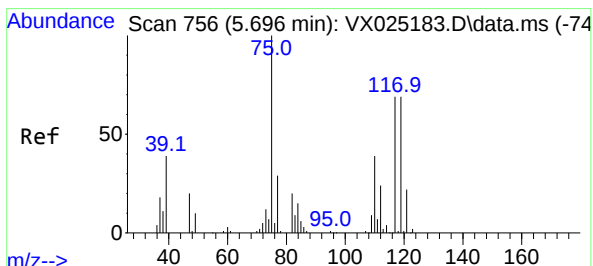
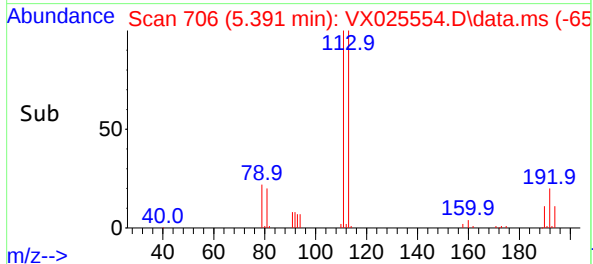
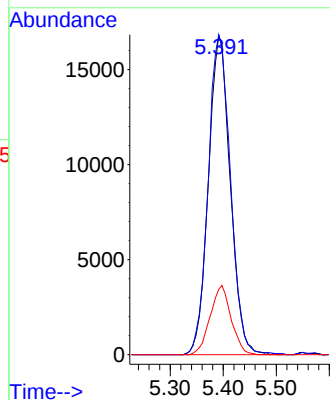
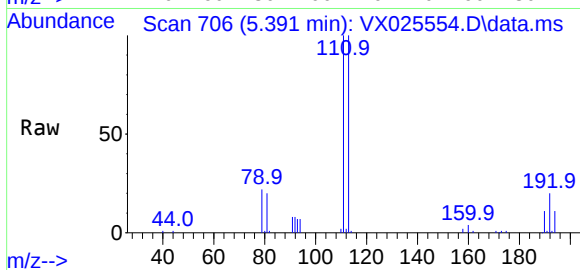




#35
Dibromofluoromethane
Concen: 50.022 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

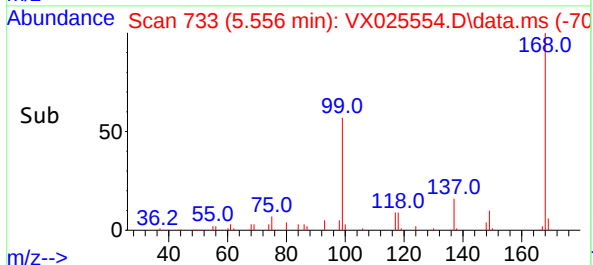
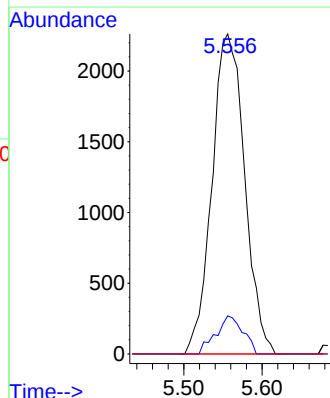
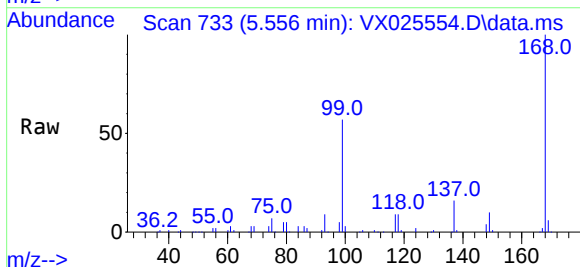
Instrument :
MSVOA_X
ClientSampleId :
IBLK

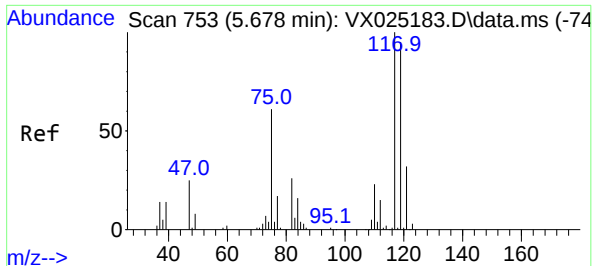
Tgt Ion:113 Resp: 48057
Ion Ratio Lower Upper
113 100
111 102.2 82.1 123.1
192 20.8 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.792 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

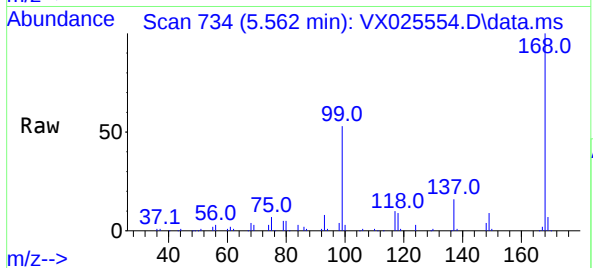
Tgt Ion: 75 Resp: 6547
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.3#
77 0.0 24.4 36.6#



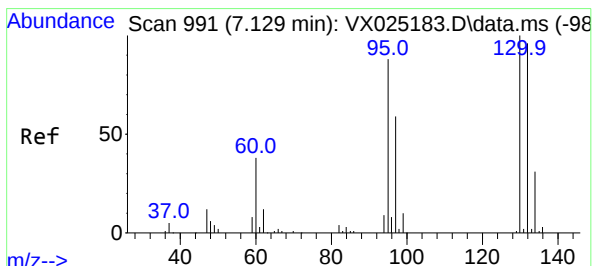
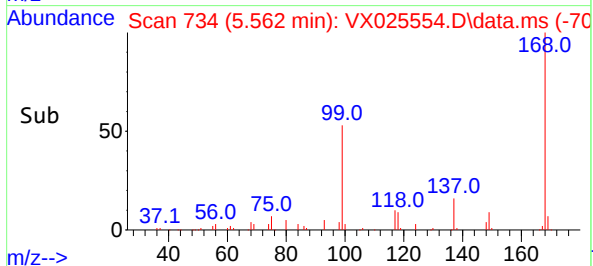
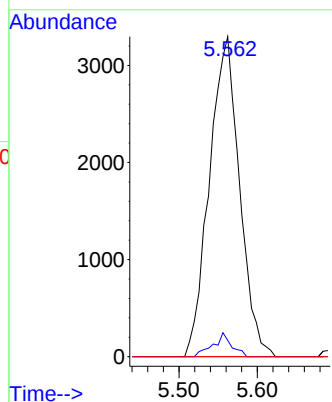


#38
Carbon Tetrachloride
Concen: 5.862 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

Instrument :
MSVOA_X
ClientSampleId :
IBLK

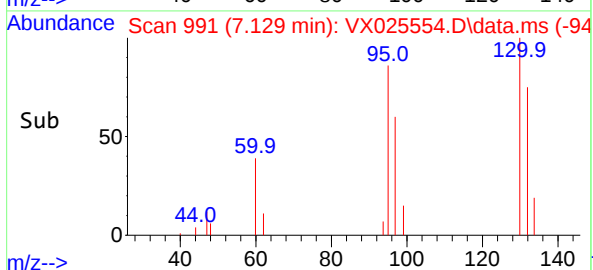
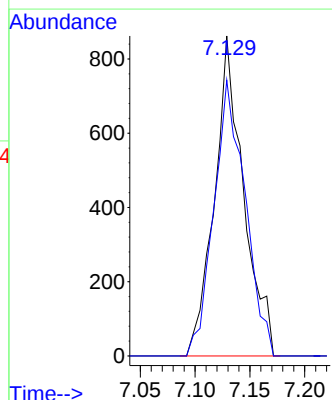
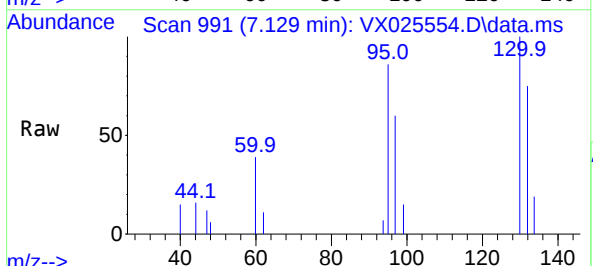


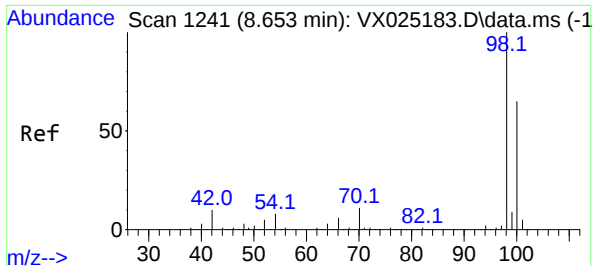
Tgt Ion:117 Resp: 8821
Ion Ratio Lower Upper
117 100
119 5.1 75.6 113.4#
121 0.0 23.7 35.5#



#44
Trichloroethene
Concen: 1.325 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

Tgt Ion:130 Resp: 1593
Ion Ratio Lower Upper
130 100
95 86.2 0.0 196.8

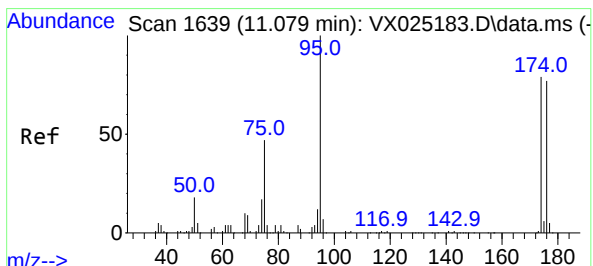
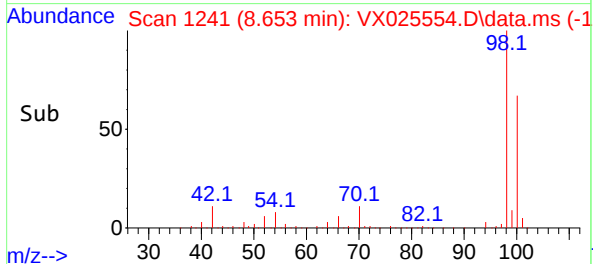
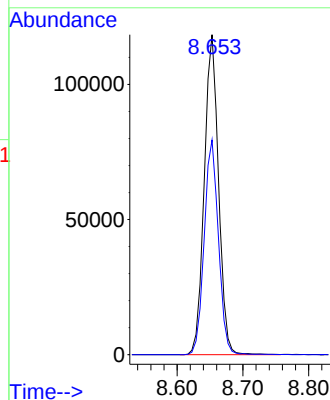
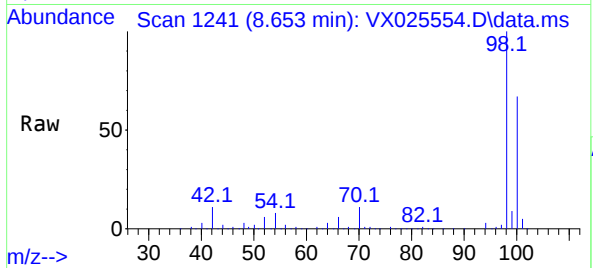




#50
Toluene-d8
Concen: 49.507 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

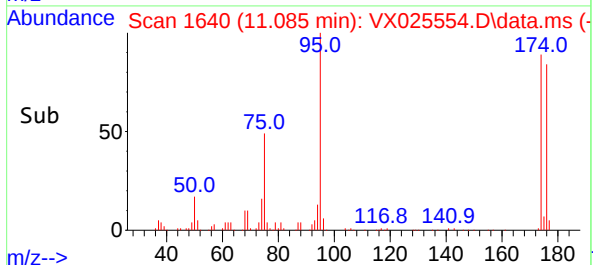
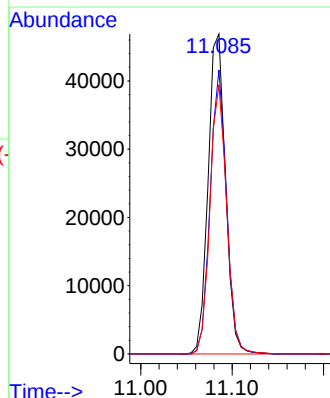
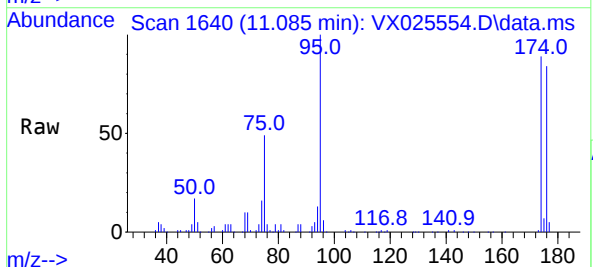
Instrument :
MSVOA_X
ClientSampleId :
IBLK

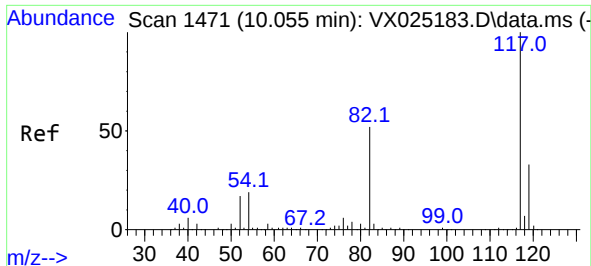
Tgt Ion: 98 Resp: 178830
Ion Ratio Lower Upper
98 100
100 67.0 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 45.171 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

Tgt Ion: 95 Resp: 61728
Ion Ratio Lower Upper
95 100
174 83.9 0.0 158.0
176 81.0 0.0 153.6

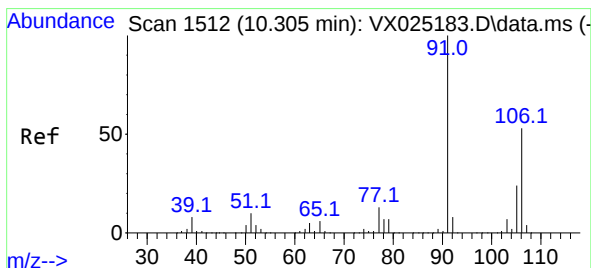
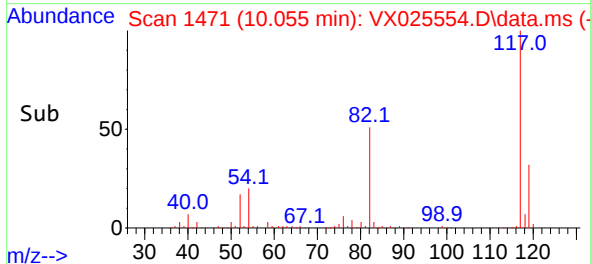
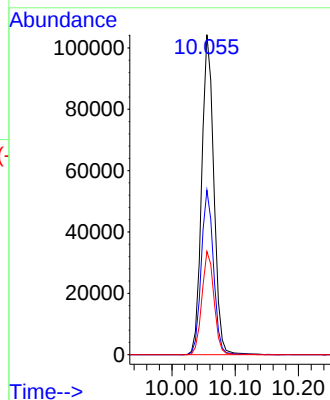
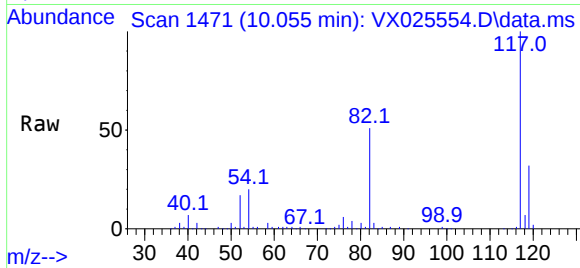




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

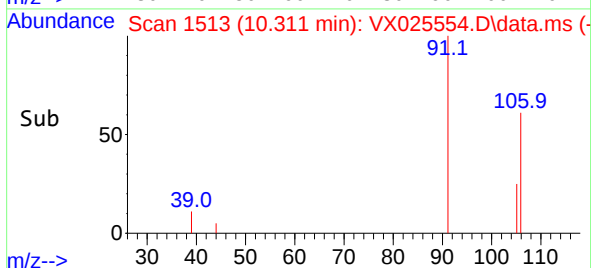
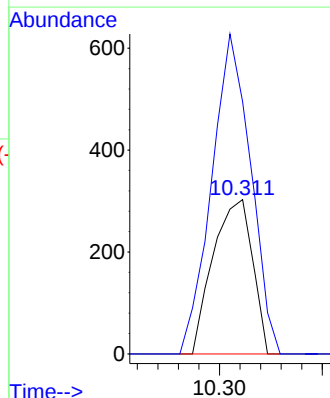
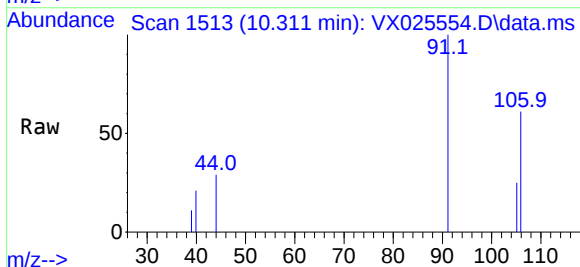
Instrument :
MSVOA_X
ClientSampleId :
IBLK

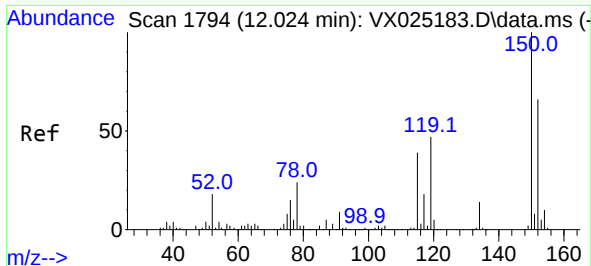
Tgt Ion:117 Resp: 139660
Ion Ratio Lower Upper
117 100
82 51.4 44.6 67.0
119 32.2 24.8 37.2



#68
m/p-Xylenes
Concen: 0.201 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

Tgt Ion:106 Resp: 403
Ion Ratio Lower Upper
106 100
91 205.7 163.4 245.0

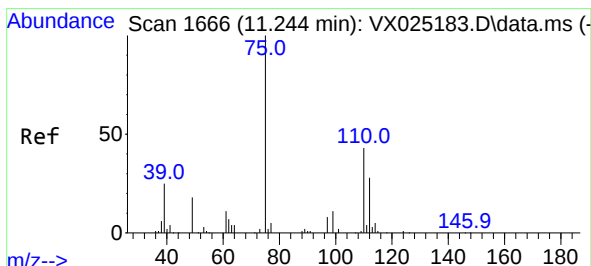
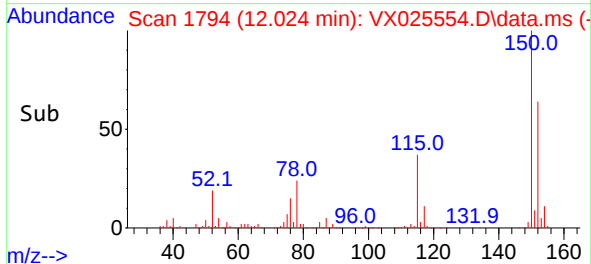
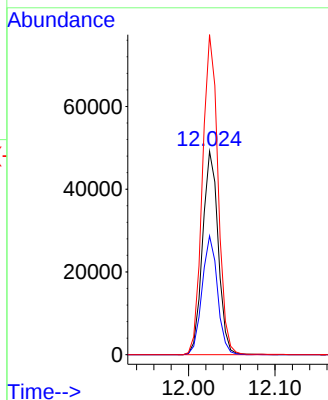
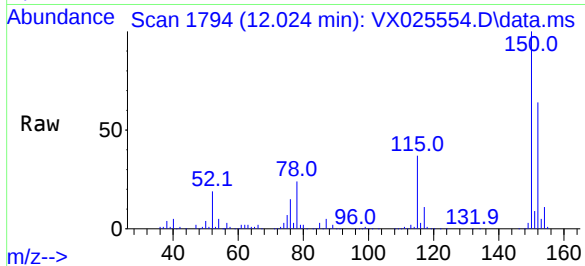




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

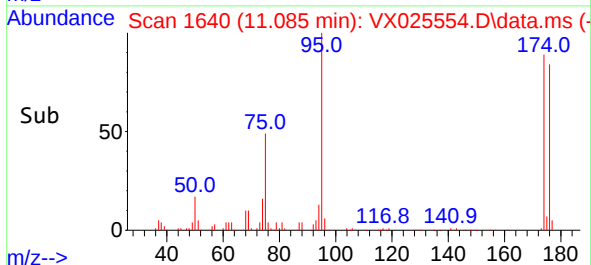
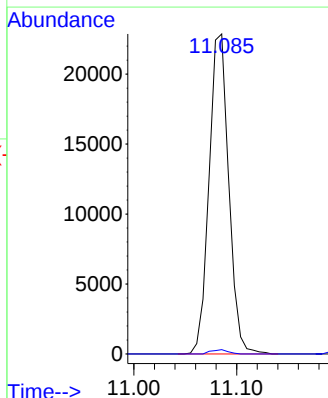
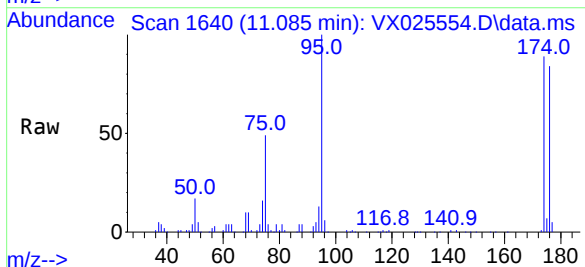
Instrument :
MSVOA_X
ClientSampleId :
IBLK

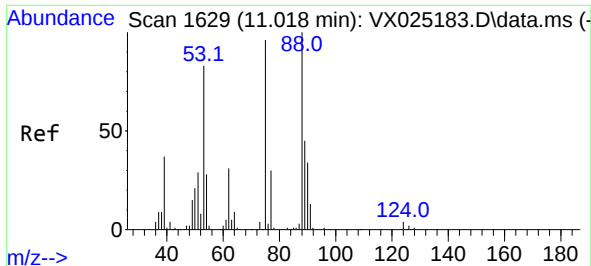
Tgt Ion:152 Resp: 61527
Ion Ratio Lower Upper
152 100
115 57.6 43.3 129.8
150 157.2 0.0 351.2



#76
1,2,3-Trichloropropane
Concen: 24.120 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

Tgt Ion: 75 Resp: 30390
Ion Ratio Lower Upper
75 100
77 1.2 20.0 59.9#

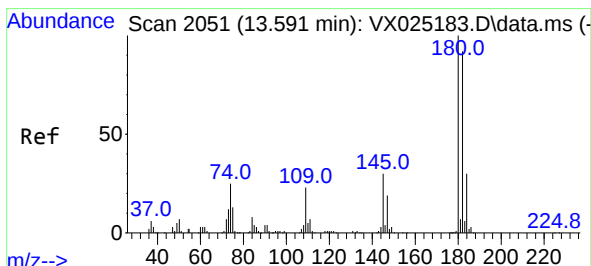
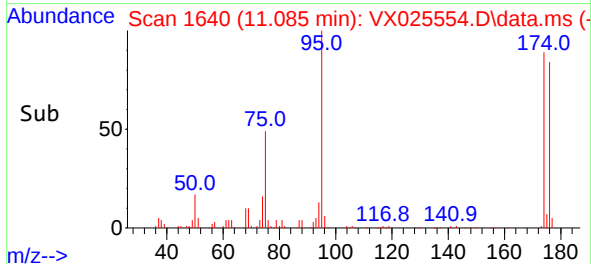
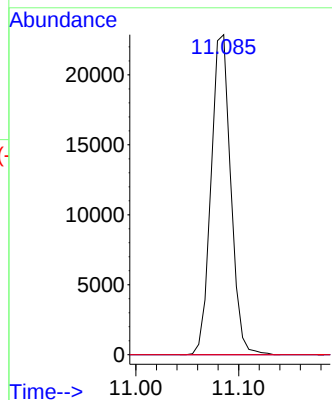
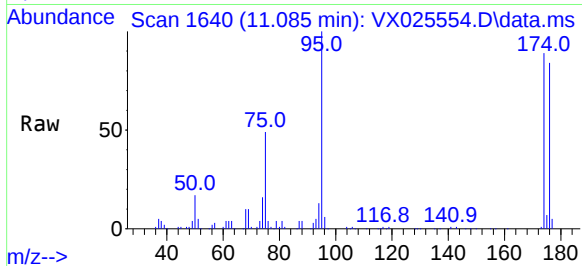




#81
trans-1,4-Dichloro-2-butene
Concen: 60.763 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

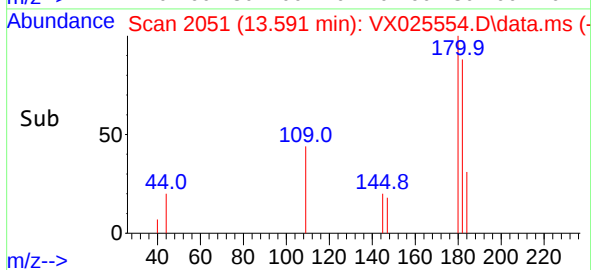
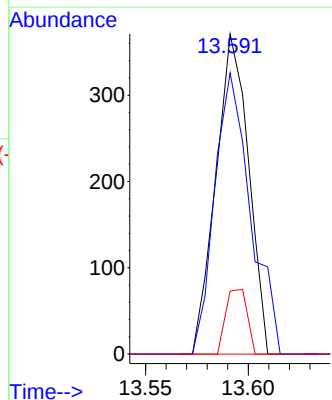
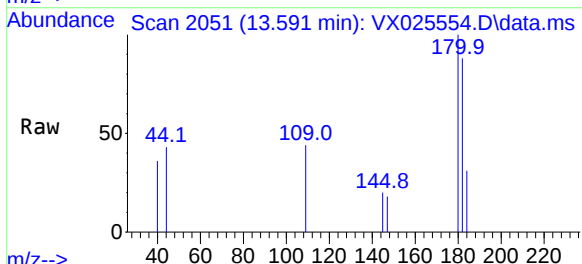
Instrument :
MSVOA_X
ClientSampleId :
IBLK

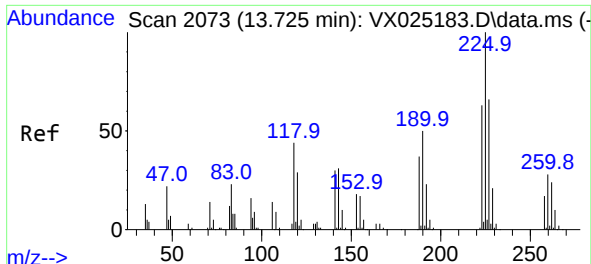
Tgt Ion: 75 Resp: 30390
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.340 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

Tgt Ion:180 Resp: 410
Ion Ratio Lower Upper
180 100
182 96.3 47.3 141.8
145 13.2 16.1 48.3#

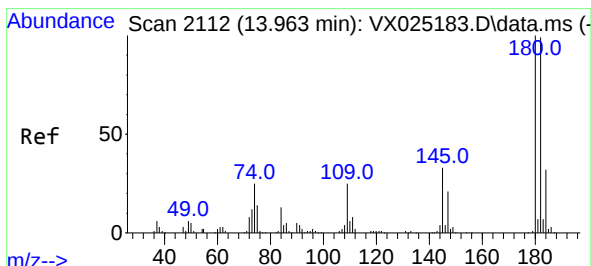
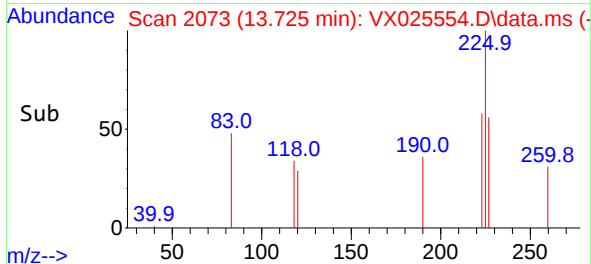
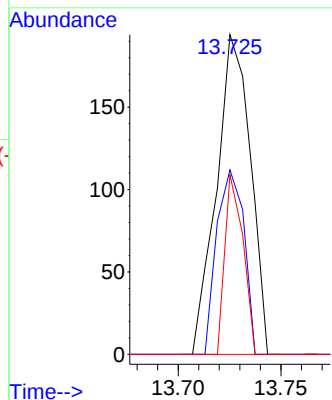
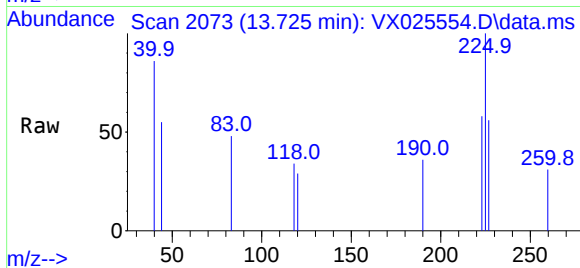




#94
Hexachlorobutadiene
Concen: 0.386 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:225 Resp: 223
Ion Ratio Lower Upper
225 100
223 46.2 30.9 92.7
227 30.0 31.1 93.5#



#96
1,2,3-Trichlorobenzene
Concen: 0.334 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX025554.D
Acq: 06 Dec 2021 17:16

Tgt Ion:180 Resp: 394
Ion Ratio Lower Upper
180 100
182 82.2 47.4 142.3
145 19.0 16.8 50.3

