

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081121\
 Data File : VX023645.D
 Acq On : 11 Aug 2021 10:54
 Operator : JC/MD
 Sample : VIBLK600
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VIBLK600

Quant Time: Aug 12 01:26:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML081121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 11 12:02:06 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	333741	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	306076	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	132575	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	91939	52.852	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.700%
7) Chloroethane-d5	1.666	69	77257	54.063	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.120%
11) 1,1-Dichloroethene-d2	2.307	63	152208	40.281	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.560%
21) 2-Butanone-d5	4.471	46	187559	111.836	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.840%
24) Chloroform-d	5.068	84	198876	50.489	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.980%
26) 1,2-Dichloroethane-d4	5.964	65	140967	52.207	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.420%
32) Benzene-d6	5.983	84	417959	54.208	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.420%
36) 1,2-Dichloropropane-d6	7.312	67	132085	54.446	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.900%
41) Toluene-d8	8.653	98	392927	52.915	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.840%
43) trans-1,3-Dichloroprop...	8.952	79	58689	51.121	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.240%
47) 2-Hexanone-d5	9.391	63	134802	115.577	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.580%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	168873	52.254	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.500%
66) 1,2-Dichlorobenzene-d4	12.323	152	129020	55.458	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	2110	1.017	ug/L	99
3) Chloromethane	1.295	50	1669	0.846	ug/L	98
5) Vinyl chloride	1.374	62	1829	0.912	ug/L #	1
6) Bromomethane	1.605	94	2144	1.722	ug/L	81
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	3536	1.801	ug/L #	69
12) 1,1-Dichloroethene	2.319	96	2810	1.655	ug/L #	1
14) Carbon disulfide	2.514	76	8421	2.467	ug/L	96
15) Methyl Acetate	2.715	43	1740	0.707	ug/L #	66
16) Methylene chloride	2.794	84	1889	0.893	ug/L	78
17) trans-1,2-Dichloroethene	3.093	96	2116	1.177	ug/L	98
34) Trichloroethene	7.135	95	2207	1.032	ug/L	87
42) Toluene	8.726	91	11817	1.333	ug/L	92
46) Tetrachloroethene	9.275	164	1822	1.123	ug/L	95
51) Chlorobenzene	10.086	112	4913	0.834	ug/L	95
52) Ethylbenzene	10.195	91	7370	0.760	ug/L	100
53) m,p-Xylene	10.305	106	3211	0.868	ug/L	93
60) Isopropylbenzene	10.963	105	7546	0.839	ug/L	99
62) 1,3,5-Trimethylbenzene	11.457	105	6465	0.888	ug/L	99
63) 1,2,4-Trimethylbenzene	11.756	105	7041	0.951	ug/L	99

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 Quant Title : VOC Analysis
 QLast Update : Wed Aug 11 12:02:06 2021
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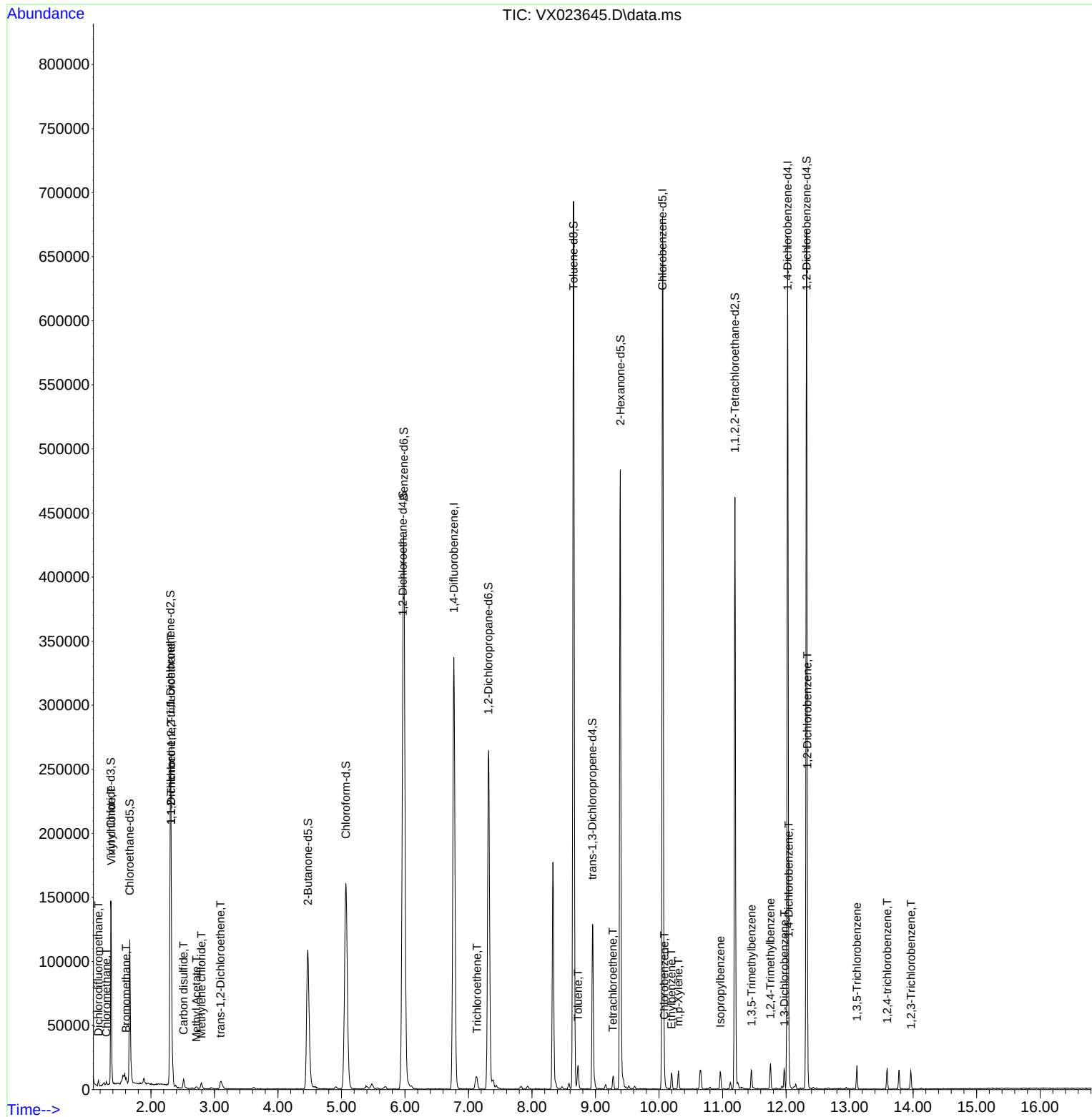
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.976	146	4935	1.256	ug/L	87
65) 1,4-Dichlorobenzene	12.043	146	5669	1.449	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	3837	0.994	ug/L #	70
69) 1,3,5-Trichlorobenzene	13.116	180	4306	1.587	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	3784	1.619	ug/L	93
72) 1,2,3-Trichlorobenzene	13.969	180	3394	1.410	ug/L	98

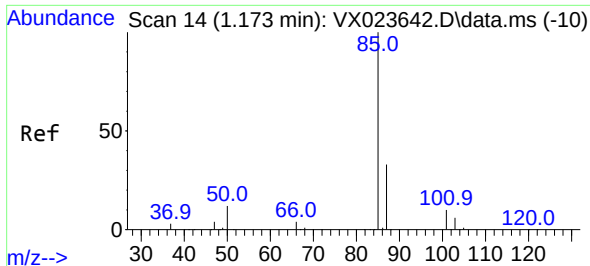
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 11 12:02:06 2021
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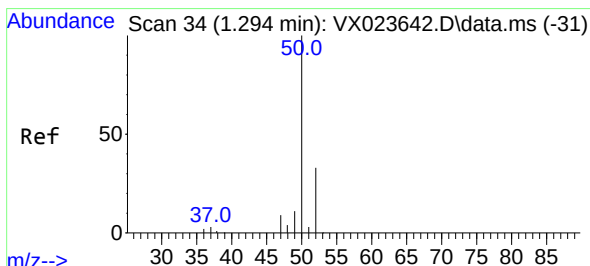
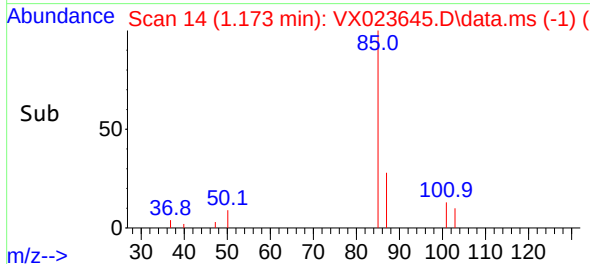
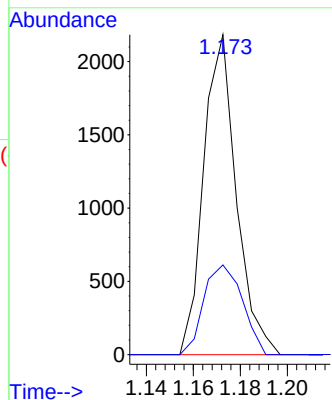
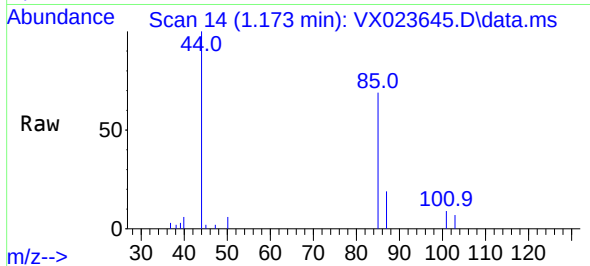




#2
 Dichlorodifluoromethane
 Concen: 1.017 ug/L
 RT: 1.173 min Scan# 14
 Delta R.T. -0.000 min
 Lab File: VX023645.D
 Acq: 11 Aug 2021 10:54

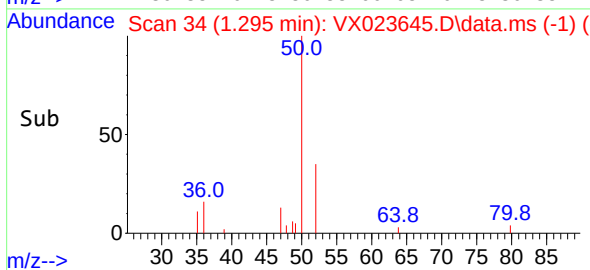
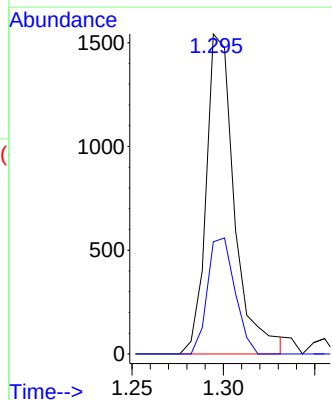
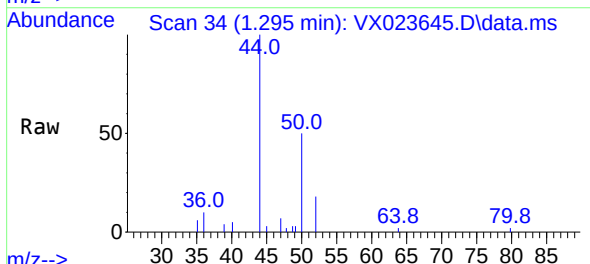
Instrument :
 MSVOA_X
 ClientSampleId :
 VIBLK600

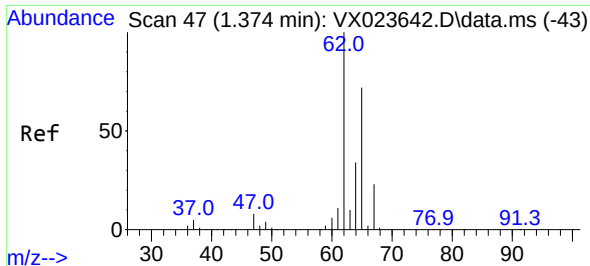
Tgt Ion: 85 Resp: 2110
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.9 38.9



#3
 Chloromethane
 Concen: 0.846 ug/L
 RT: 1.295 min Scan# 34
 Delta R.T. 0.000 min
 Lab File: VX023645.D
 Acq: 11 Aug 2021 10:54

Tgt Ion: 50 Resp: 1669
 Ion Ratio Lower Upper
 50 100
 52 35.1 23.7 43.9

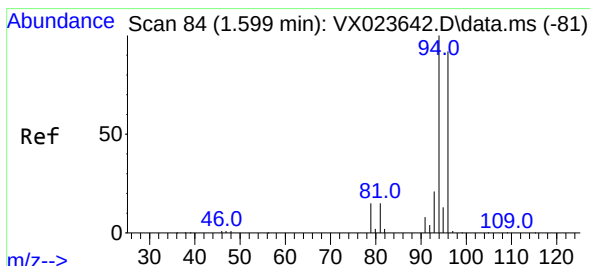
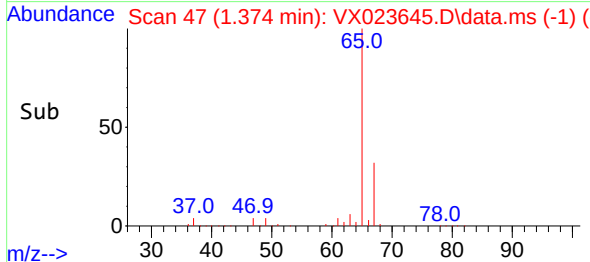
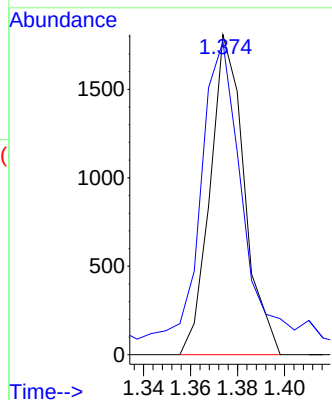
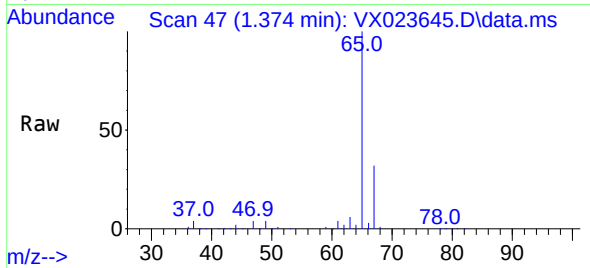




#5
 Vinyl chloride
 Concen: 0.912 ug/L
 RT: 1.374 min Scan# 47
 Delta R.T. 0.000 min
 Lab File: VX023645.D
 Acq: 11 Aug 2021 10:54

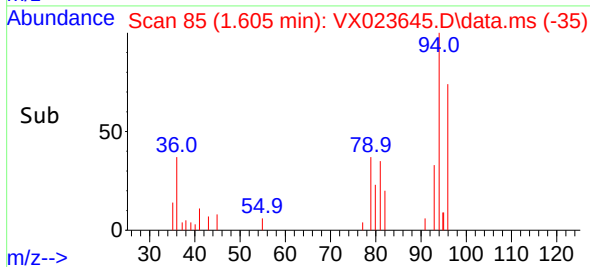
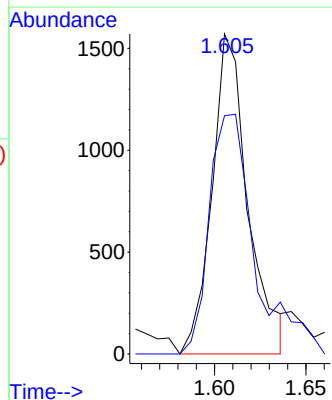
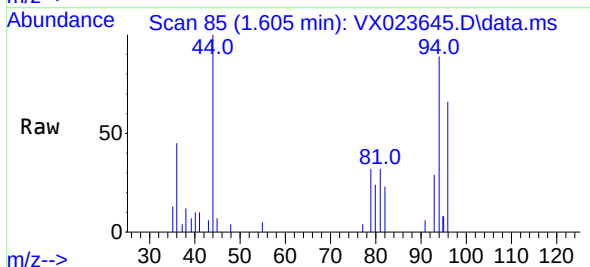
Instrument :
 MSVOA_X
 ClientSampleId :
 VIBLK600

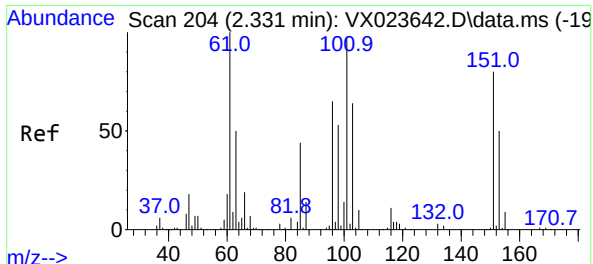
Tgt Ion: 62 Resp: 1829
 Ion Ratio Lower Upper
 62 100
 64 97.8 22.7 42.3#



#6
 Bromomethane
 Concen: 1.722 ug/L
 RT: 1.605 min Scan# 85
 Delta R.T. 0.006 min
 Lab File: VX023645.D
 Acq: 11 Aug 2021 10:54

Tgt Ion: 94 Resp: 2144
 Ion Ratio Lower Upper
 94 100
 96 74.5 64.8 120.3

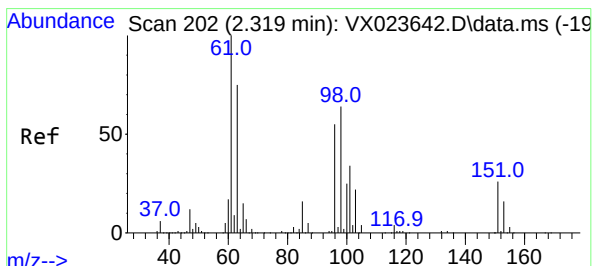
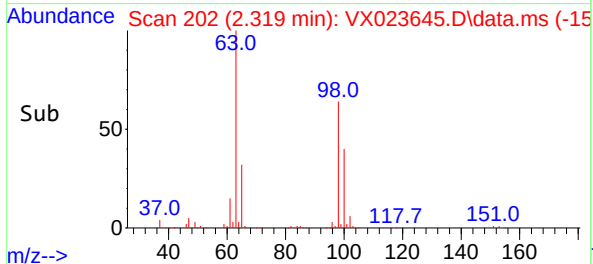
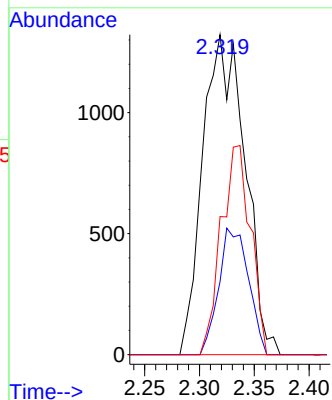
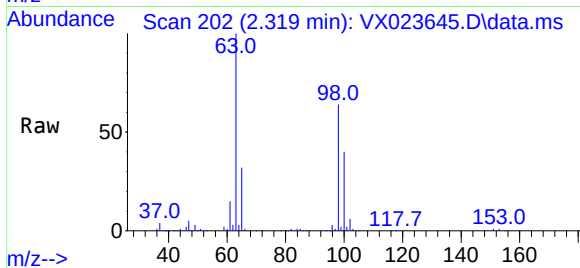




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.801 ug/L
RT: 2.319 min Scan# 202
Delta R.T. -0.012 min
Lab File: VX023645.D
Acq: 11 Aug 2021 10:54

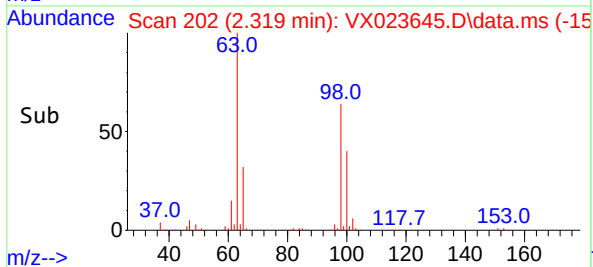
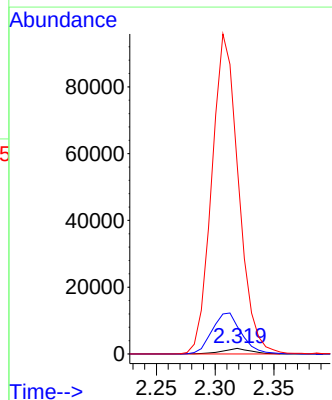
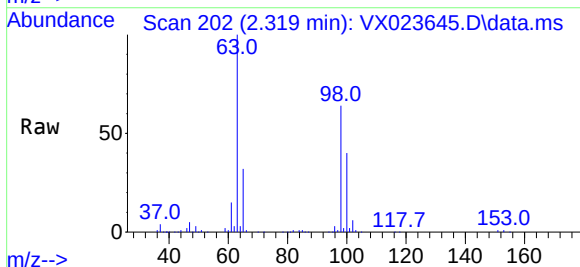
Instrument :
MSVOA_X
ClientSampleId :
VIBLK600

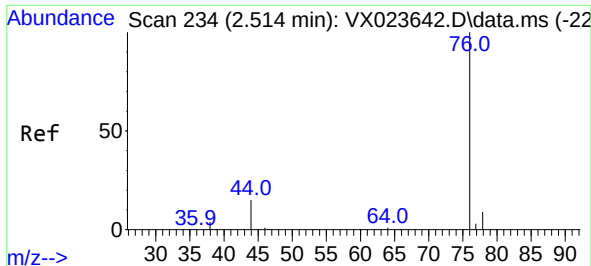
Tgt Ion:101 Resp: 3536
Ion Ratio Lower Upper
101 100
85 27.9 34.3 51.5#
151 45.5 60.7 91.1#



#12
1,1-Dichloroethene
Concen: 1.655 ug/L
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX023645.D
Acq: 11 Aug 2021 10:54

Tgt Ion: 96 Resp: 2810
Ion Ratio Lower Upper
96 100
61 491.1 115.5 214.5#
63 3354.0 77.3 143.7#

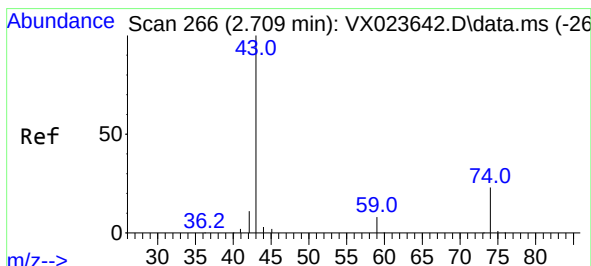
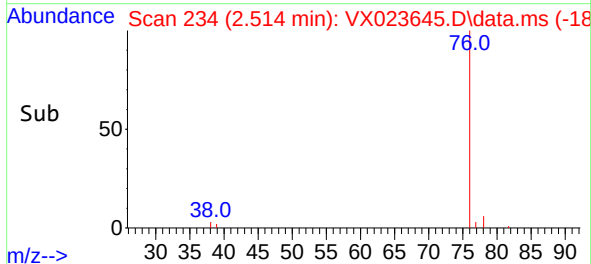
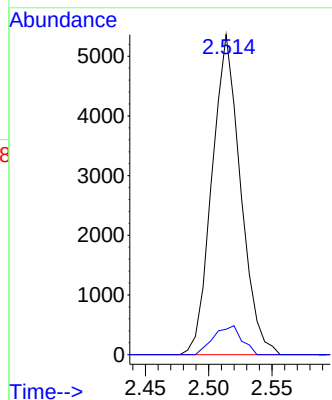
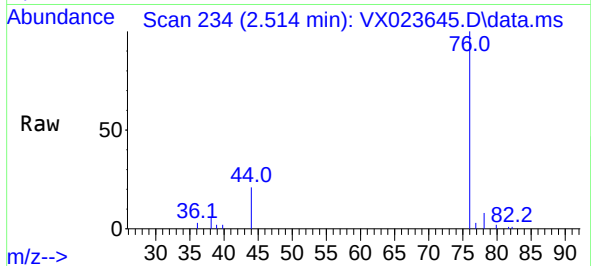




#14
Carbon disulfide
Concen: 2.467 ug/L
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX023645.D
Acq: 11 Aug 2021 10:54

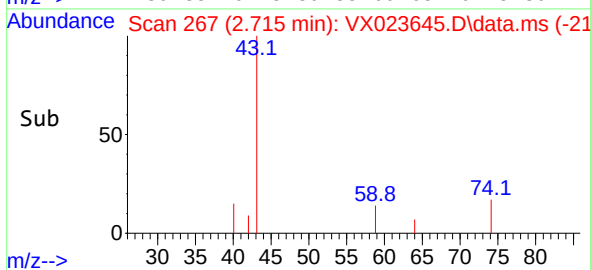
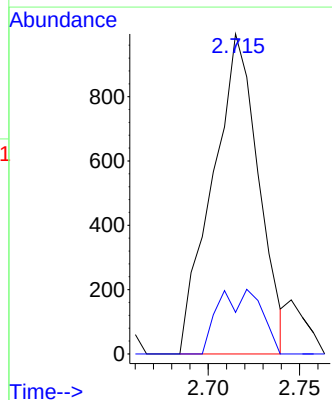
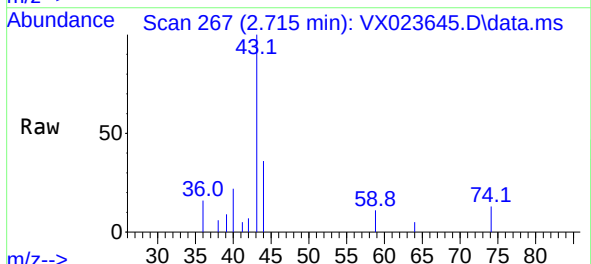
Instrument :
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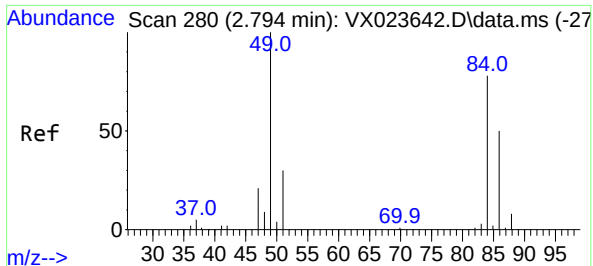
Tgt Ion: 76 Resp: 8421
Ion Ratio Lower Upper
76 100
78 7.9 7.6 11.4



#15
Methyl Acetate
Concen: 0.707 ug/L
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023645.D
Acq: 11 Aug 2021 10:54

Tgt Ion: 43 Resp: 1740
Ion Ratio Lower Upper
43 100
74 9.5 21.7 32.5#

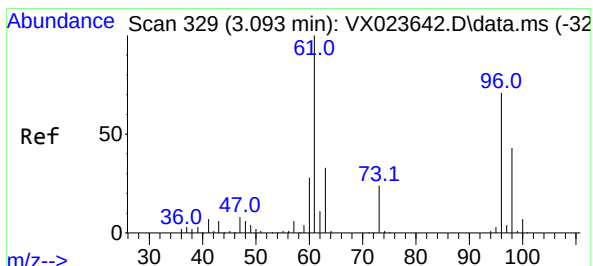
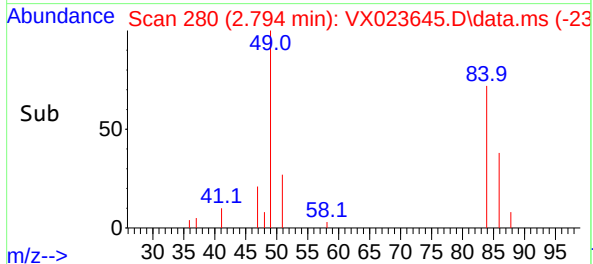
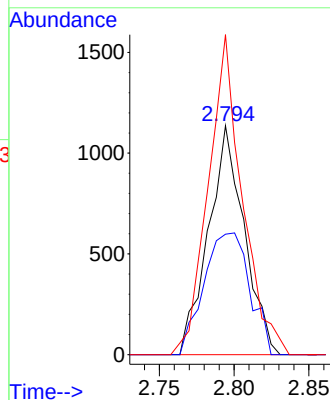
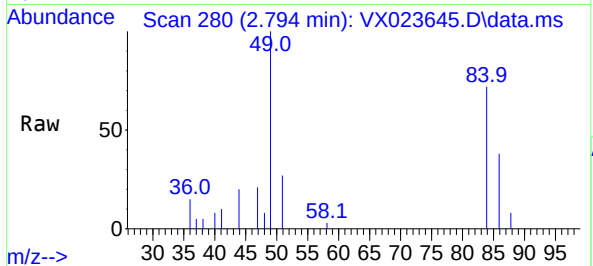




#16
Methylene chloride
Concen: 0.893 ug/L
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023645.D
Acq: 11 Aug 2021 10:54

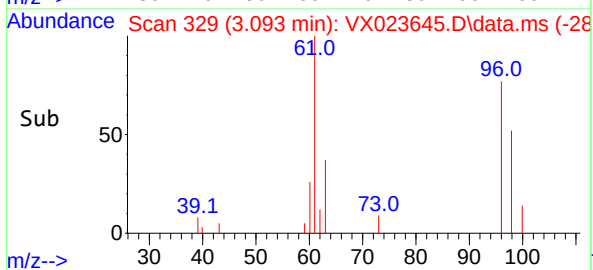
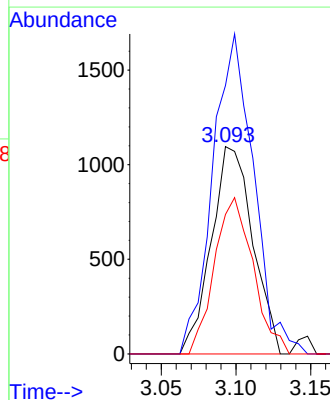
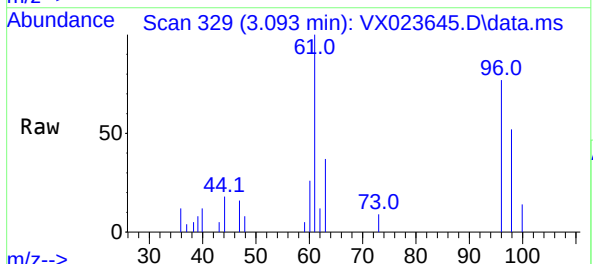
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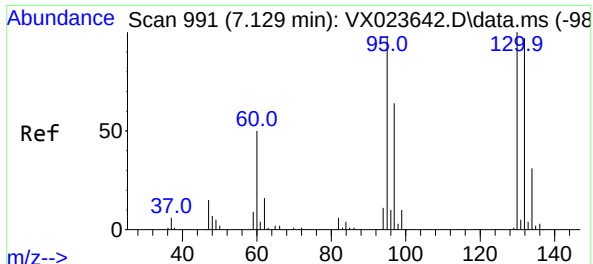
Tgt Ion:	84	Resp:	1889
Ion	Ratio	Lower	Upper
84	100		
86	52.6	44.2	82.0
49	139.8	77.8	144.6



#17
trans-1,2-Dichloroethene
Concen: 1.177 ug/L
RT: 3.093 min Scan# 329
Delta R.T. 0.000 min
Lab File: VX023645.D
Acq: 11 Aug 2021 10:54

Tgt Ion:	96	Resp:	2116
Ion	Ratio	Lower	Upper
96	100		
61	129.5	92.3	171.3
98	67.2	46.3	85.9





#34

Trichloroethene

Concen: 1.032 ug/L

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX023645.D

Acq: 11 Aug 2021 10:54

Tgt Ion: 95 Resp: 2207

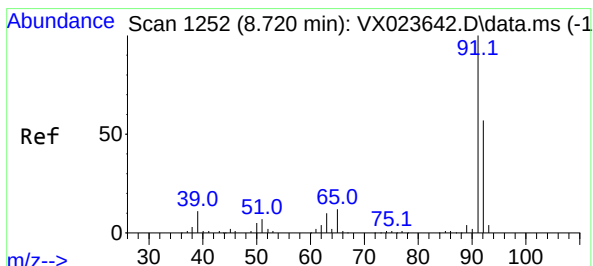
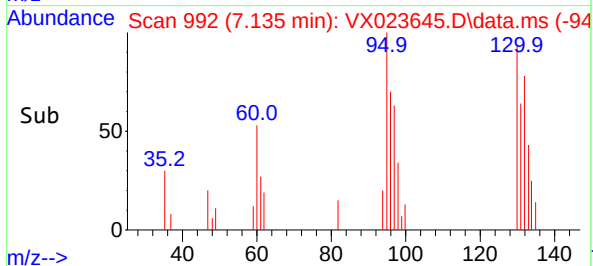
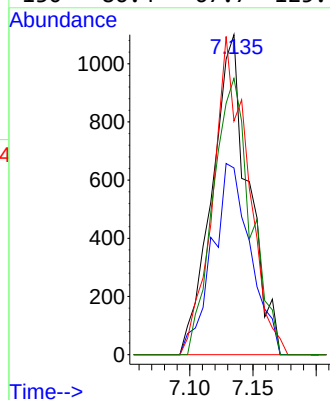
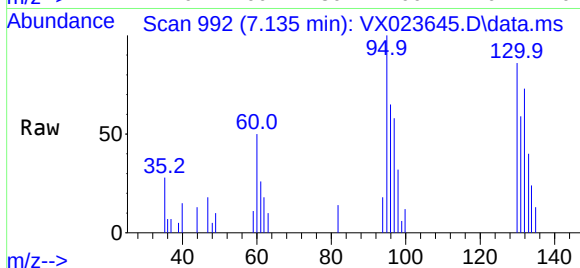
Ion Ratio Lower Upper

95 100

97 58.4 44.5 82.7

132 73.0 65.2 121.0

130 86.4 67.7 125.7



#42

Toluene

Concen: 1.333 ug/L

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX023645.D

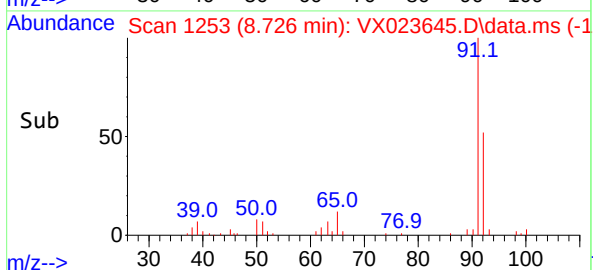
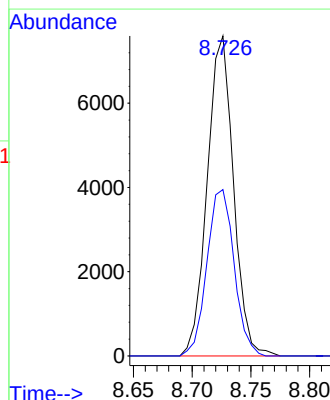
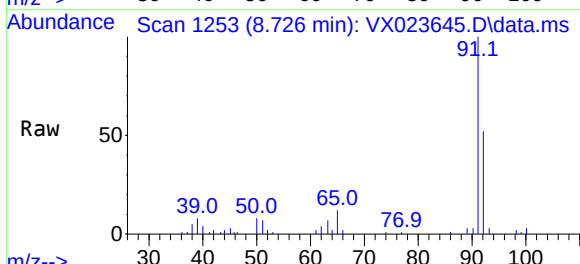
Acq: 11 Aug 2021 10:54

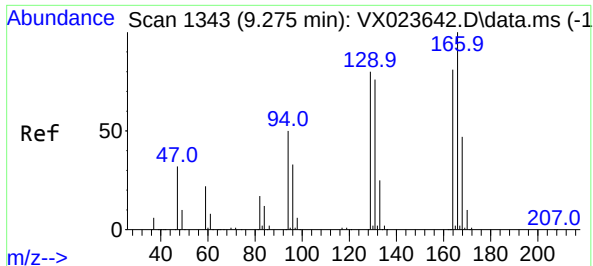
Tgt Ion: 91 Resp: 11817

Ion Ratio Lower Upper

91 100

92 52.0 40.5 75.1



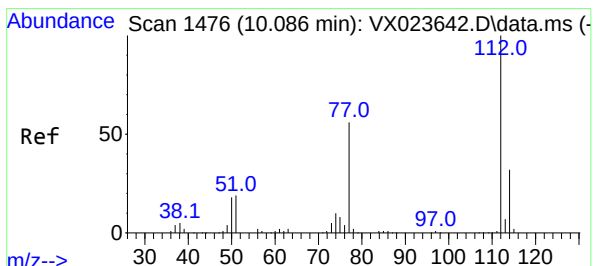
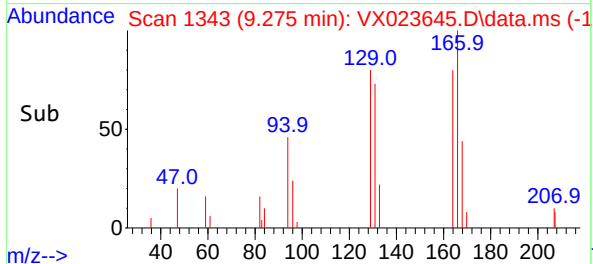
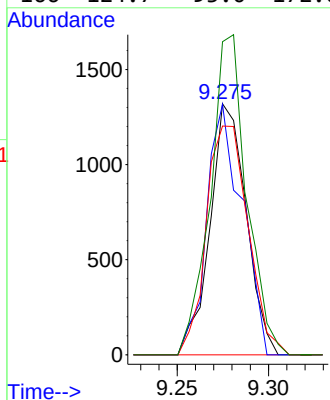
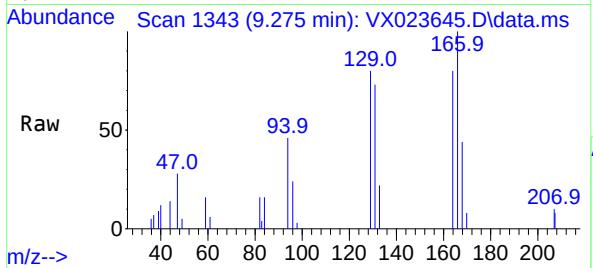


#46
Tetrachloroethene
Concen: 1.123 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX023645.D
Acq: 11 Aug 2021 10:54

Instrument :
MSVOA_X
ClientSampled :
VIBLK600

Tgt Ion:164 Resp: 1822

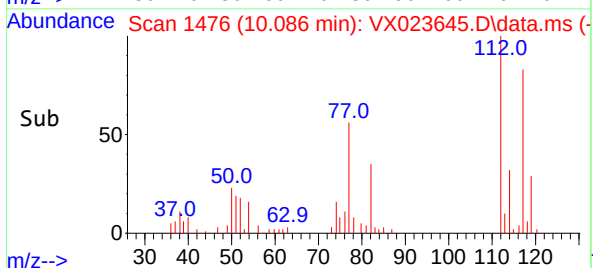
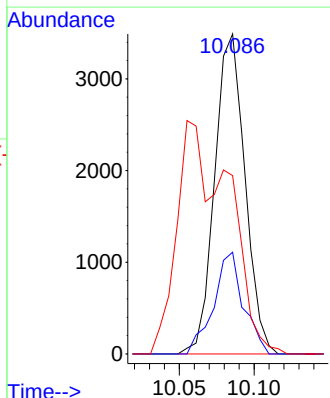
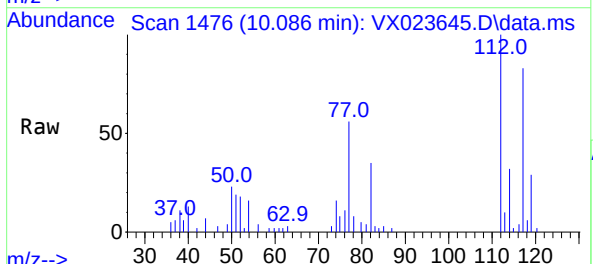
Ion	Ratio	Lower	Upper
164	100		
129	99.8	65.6	121.8
131	91.1	63.7	118.3
166	124.7	93.0	172.6

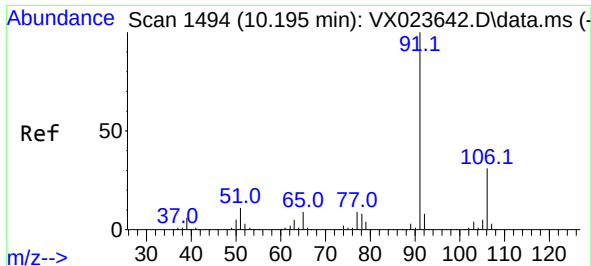


#51
Chlorobenzene
Concen: 0.834 ug/L
RT: 10.086 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VX023645.D
Acq: 11 Aug 2021 10:54

Tgt Ion:112 Resp: 4913

Ion	Ratio	Lower	Upper
112	100		
114	31.8	23.2	43.2
77	55.7	48.4	72.6

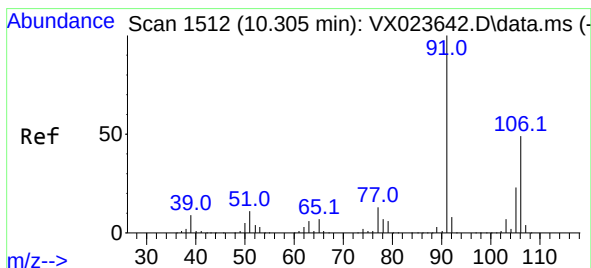
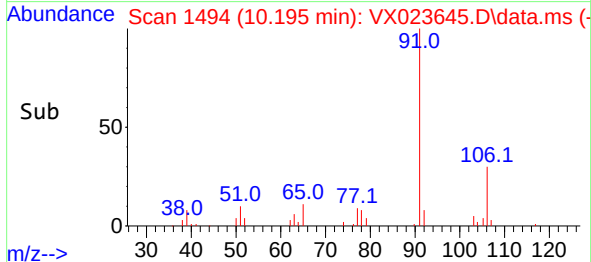
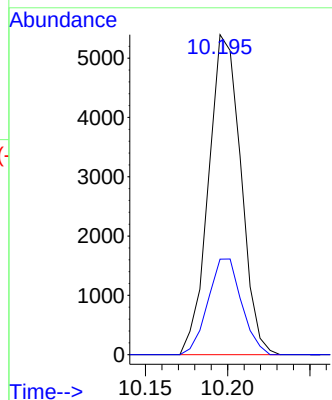
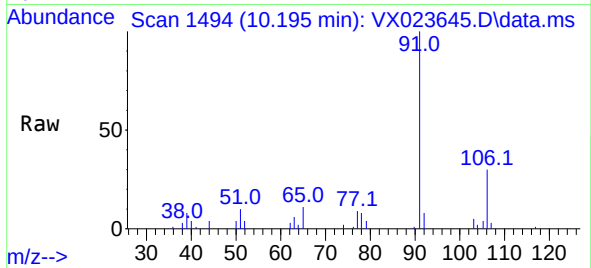




#52
Ethylbenzene
Concen: 0.760 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX023645.D
Acq: 11 Aug 2021 10:54

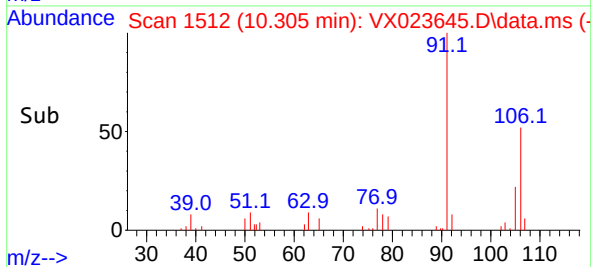
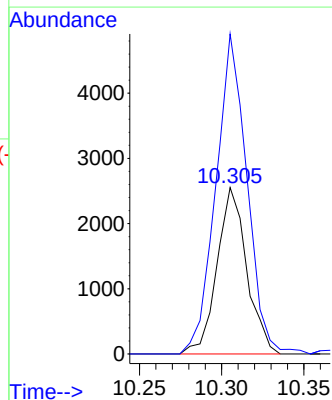
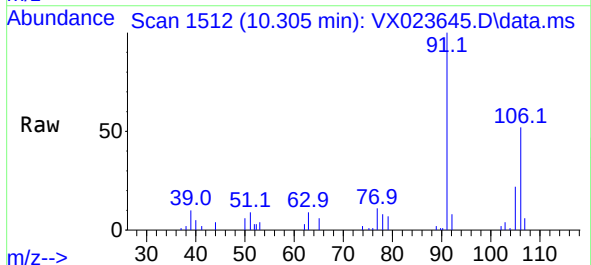
Instrument :
MSVOA_X
ClientSampleId :
VIBLK600

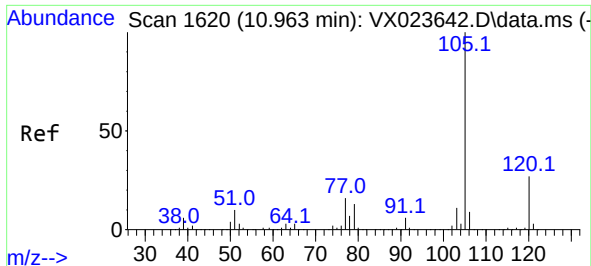
Tgt Ion: 91 Resp: 7370
Ion Ratio Lower Upper
91 100
106 29.9 21.0 39.0



#53
m,p-Xylene
Concen: 0.868 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX023645.D
Acq: 11 Aug 2021 10:54

Tgt Ion: 106 Resp: 3211
Ion Ratio Lower Upper
106 100
91 192.4 142.5 264.6

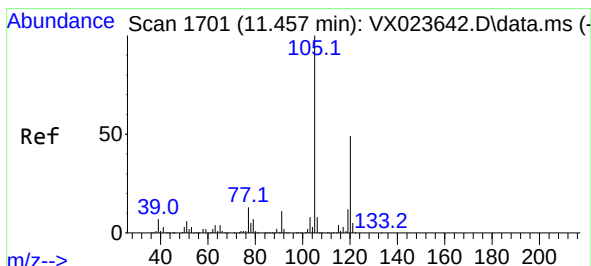
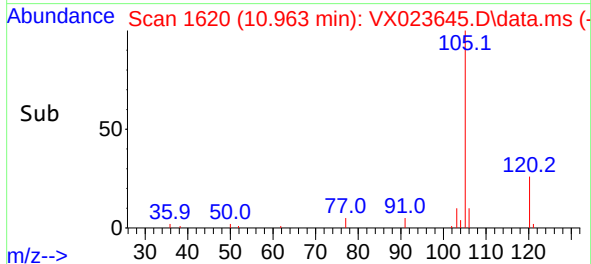
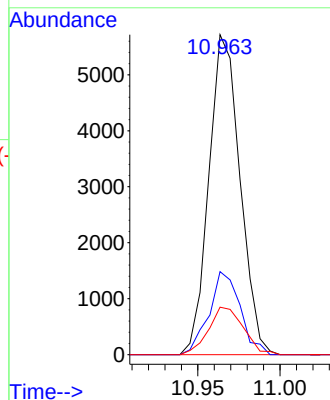
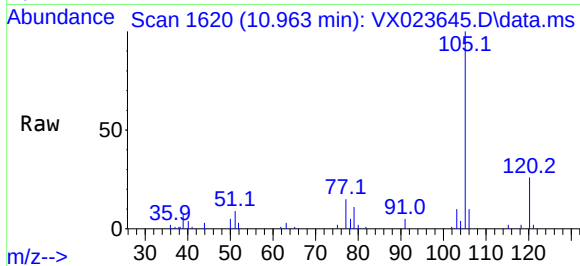




#60
Isopropylbenzene
Concen: 0.839 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX023645.D
Acq: 11 Aug 2021 10:54

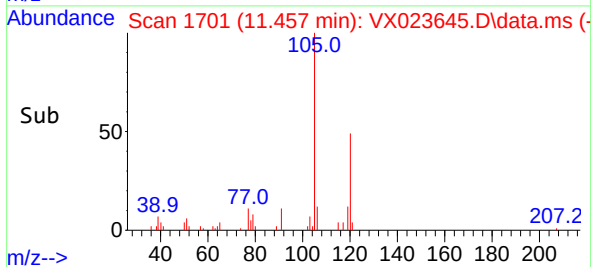
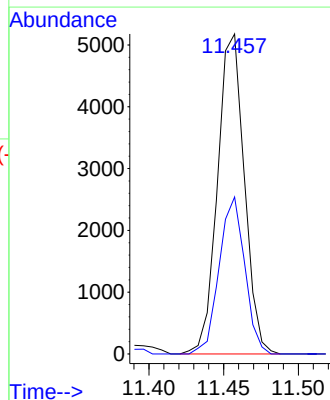
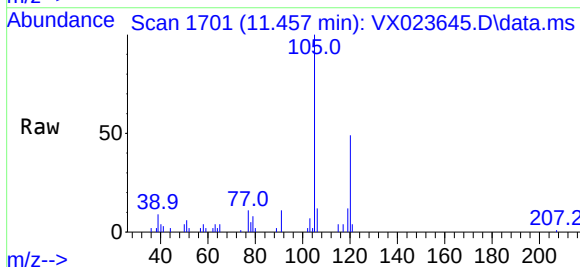
Instrument :
MSVOA_X
ClientSampleId :
VIBLK600

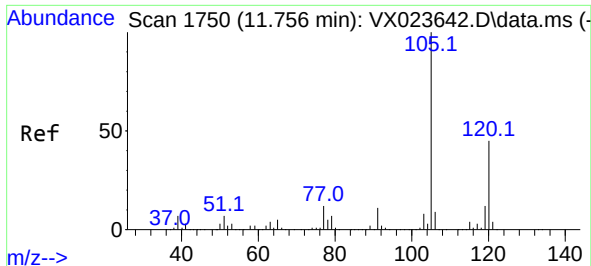
Tgt Ion:	105	Resp:	7546
Ion	Ratio	Lower	Upper
105	100		
120	26.0	21.2	31.8
77	16.6	12.6	18.8



#62
1,3,5-Trimethylbenzene
Concen: 0.888 ug/L
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023645.D
Acq: 11 Aug 2021 10:54

Tgt Ion:	105	Resp:	6465
Ion	Ratio	Lower	Upper
105	100		
120	46.7	38.0	57.0

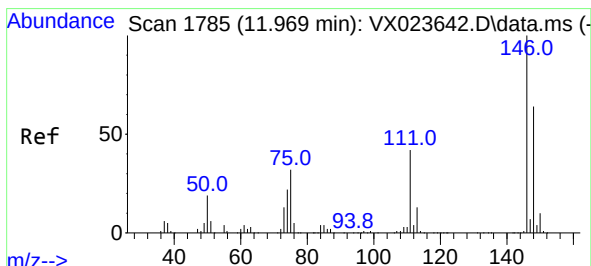
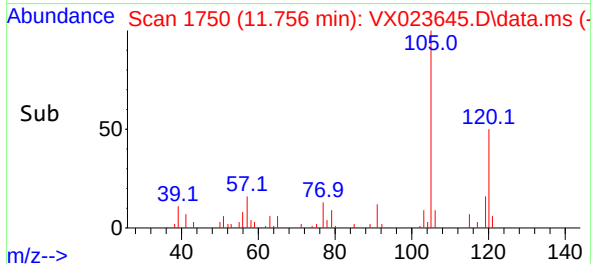
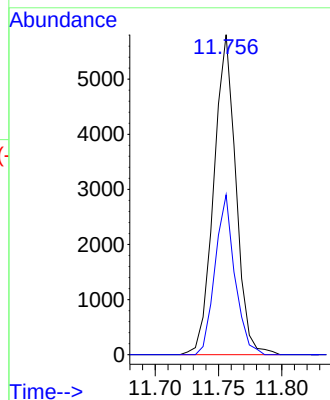
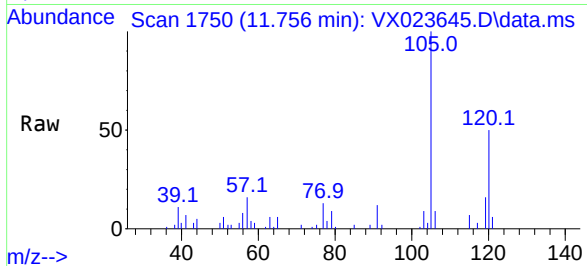




#63
1,2,4-Trimethylbenzene
Concen: 0.951 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX023645.D
Acq: 11 Aug 2021 10:54

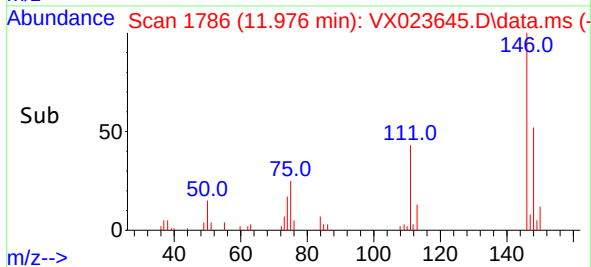
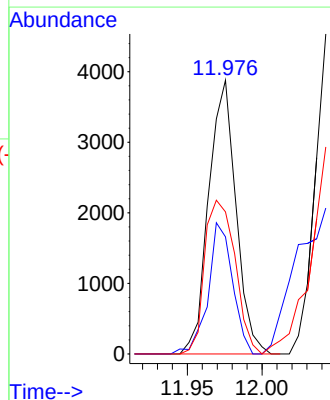
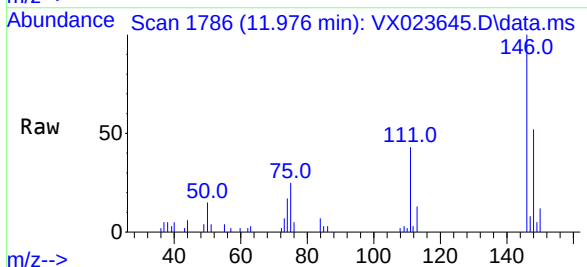
Instrument :
MSVOA_X
ClientSampleId :
VIBLK600

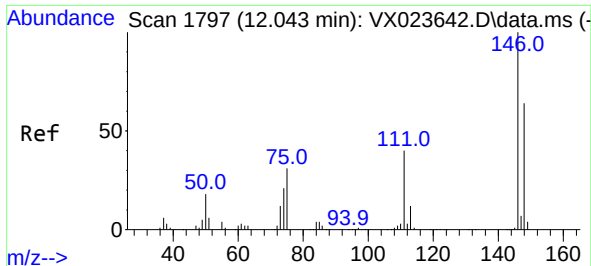
Tgt Ion:105 Resp: 7041
Ion Ratio Lower Upper
105 100
120 44.7 36.4 54.6



#64
1,3-Dichlorobenzene
Concen: 1.256 ug/L
RT: 11.976 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX023645.D
Acq: 11 Aug 2021 10:54

Tgt Ion:146 Resp: 4935
Ion Ratio Lower Upper
146 100
111 42.8 28.9 53.7
148 51.9 47.7 88.7

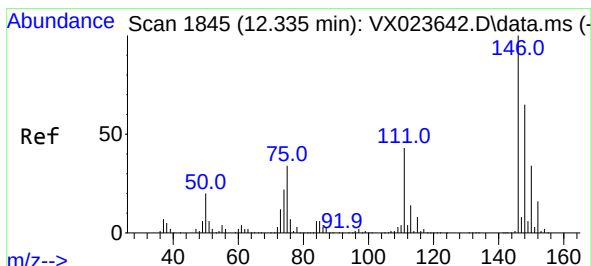
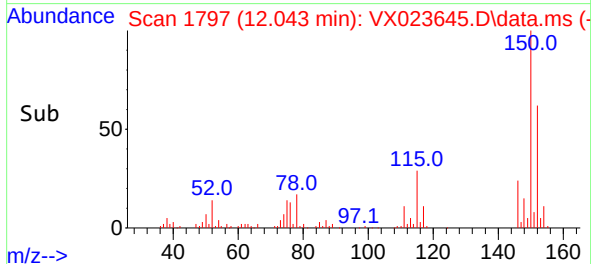
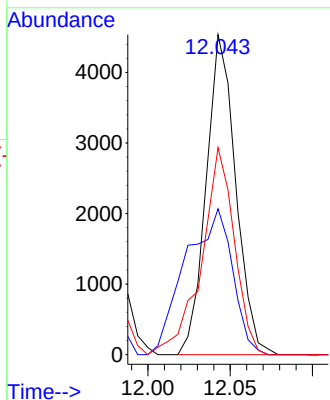
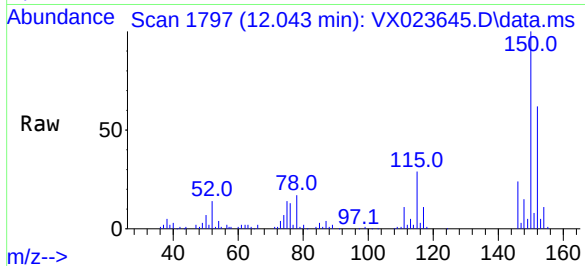




#65
1,4-Dichlorobenzene
Concen: 1.449 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX023645.D
Acq: 11 Aug 2021 10:54

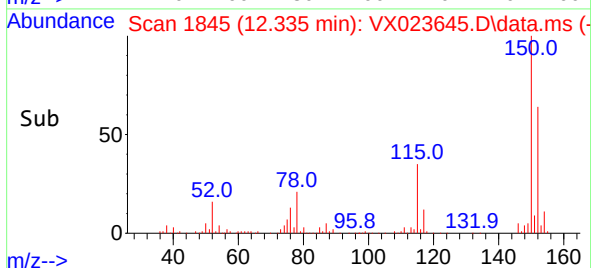
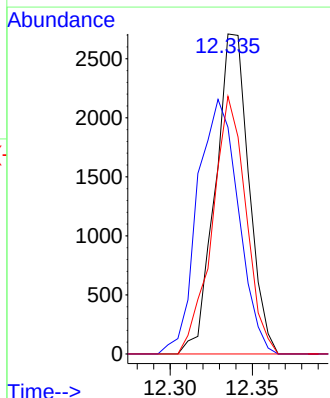
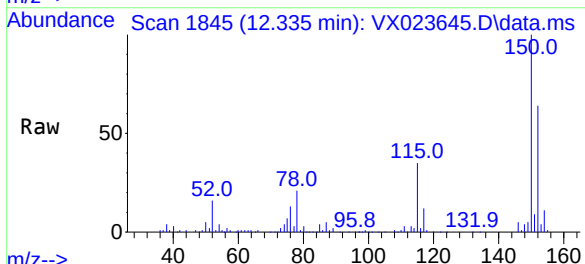
Instrument :
MSVOA_X
ClientSampled :
VIBLK600

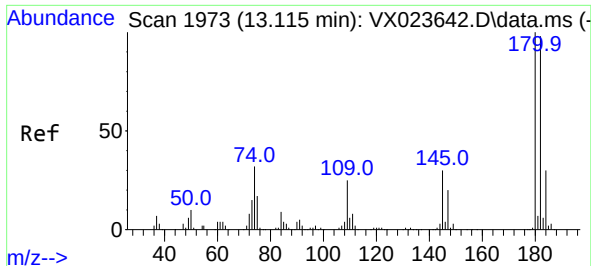
Tgt Ion:146 Resp: 5669
Ion Ratio Lower Upper
146 100
111 45.6 28.7 53.3
148 64.7 45.8 85.2



#67
1,2-Dichlorobenzene
Concen: 0.994 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX023645.D
Acq: 11 Aug 2021 10:54

Tgt Ion:146 Resp: 3837
Ion Ratio Lower Upper
146 100
111 70.8 33.8 50.8#
148 80.5 51.4 77.2#



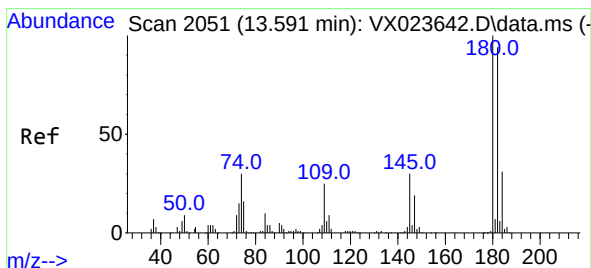
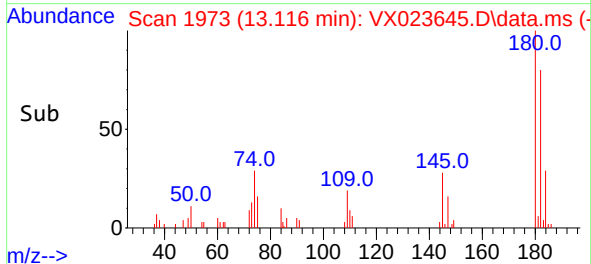
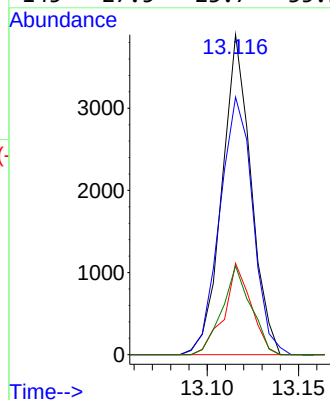
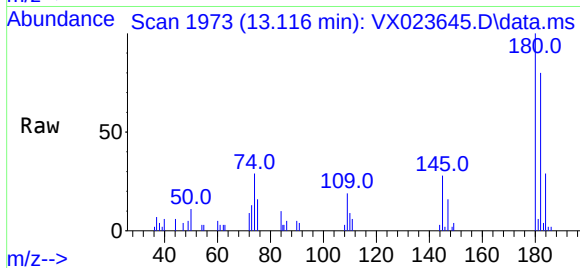


#69
1,3,5-Trichlorobenzene
Concen: 1.587 ug/L
RT: 13.116 min Scan# 1973
Delta R.T. 0.000 min
Lab File: VX023645.D
Acq: 11 Aug 2021 10:54

Instrument :
MSVOA_X
ClientSampleId :
VIBLK600

Tgt Ion:180 Resp: 4306

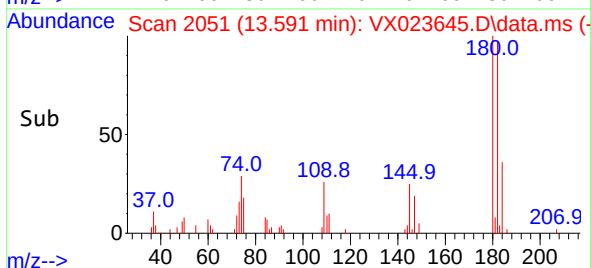
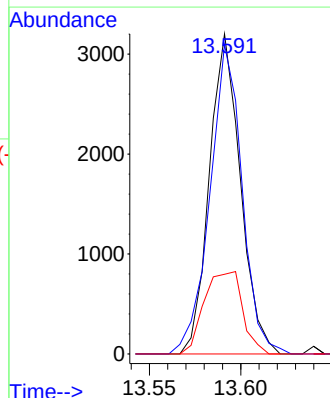
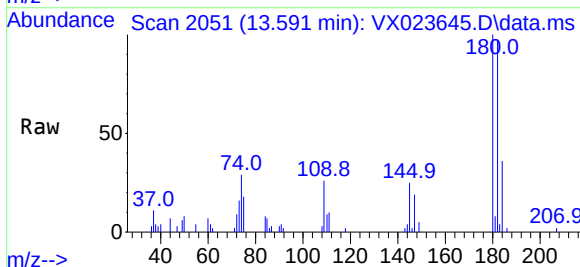
Ion	Ratio	Lower	Upper
180	100		
182	91.4	74.8	112.2
184	26.5	24.1	36.1
145	27.5	23.7	35.5



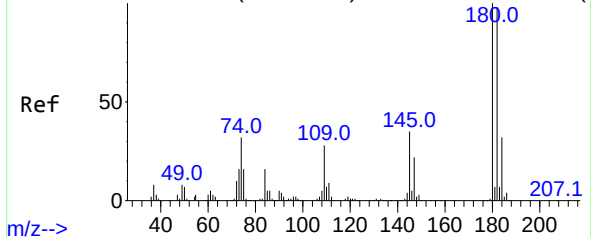
#70
1,2,4-trichlorobenzene
Concen: 1.619 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX023645.D
Acq: 11 Aug 2021 10:54

Tgt Ion:180 Resp: 3784

Ion	Ratio	Lower	Upper
180	100		
182	100.4	74.3	111.5
145	31.7	24.1	36.1



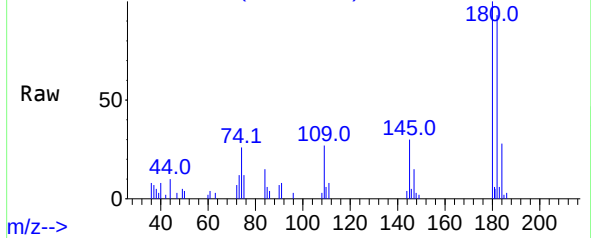
Abundance Scan 2112 (13.963 min): VX023642.D\data.ms (-



#72
1,2,3-Trichlorobenzene
Concen: 1.410 ug/L
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX023645.D
Acq: 11 Aug 2021 10:54

Instrument :
MSVOA_X
ClientSampleId :
VIBLK600

Abundance Scan 2113 (13.969 min): VX023645.D\data.ms (-



Tgt Ion:180 Resp: 3394
Ion Ratio Lower Upper
180 100
182 94.2 74.6 112.0
145 34.9 25.6 38.4

Abundance Scan 2113 (13.969 min): VX023645.D\data.ms (-

