

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072321\
 Data File : VX023416.D
 Acq On : 23 Jul 2021 11:29
 Operator : JC/MD
 Sample : M3145-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 24 03:43:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

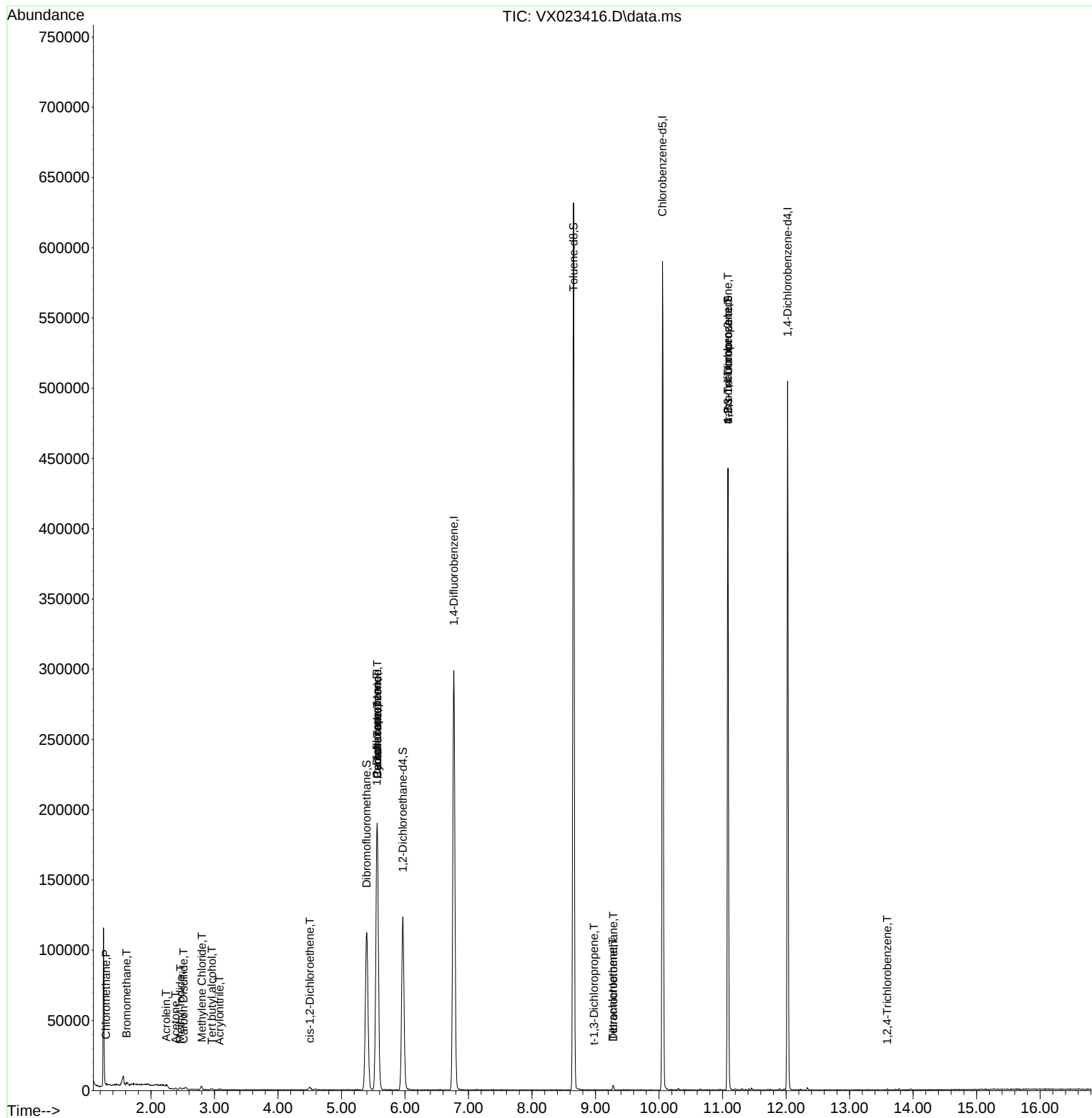
Internal Standards						
1) Pentafluorobenzene	5.562	168	183087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	303802	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	264648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	115840	50.721	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.440%
35) Dibromofluoromethane	5.397	113	97339	51.244	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.480%
50) Toluene-d8	8.653	98	365039	52.307	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.620%
62) 4-Bromofluorobenzene	11.085	95	110349	46.500	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	600	0.306	ug/l #	88
5) Bromomethane	1.617	94	762	0.646	ug/l #	68
10) Methyl Iodide	2.465	142	1474	0.649	ug/l #	95
11) Tert butyl alcohol	2.959	59	553	1.060	ug/l #	73
13) Acrolein	2.239	56	158	1.956	ug/l #	59
15) Acrylonitrile	3.081	53	283	0.240	ug/l #	66
16) Acetone	2.386	43	1307	1.167	ug/l	99
17) Carbon Disulfide	2.514	76	1050	0.237	ug/l #	78
20) Methylene Chloride	2.800	84	1150	0.528	ug/l	92
27) cis-1,2-Dichloroethene	4.501	96	1182	0.533	ug/l	93
31) Cyclohexane	5.562	56	4008	1.185	ug/l #	19
36) 1,1-Dichloropropene	5.556	75	14046	5.111	ug/l #	49
38) Carbon Tetrachloride	5.562	117	18311	6.552	ug/l #	15
53) t-1,3-Dichloropropene	8.976	75	174	1.867	ug/l #	44
60) Dibromochloromethane	9.281	129	497	2.194	ug/l #	11
64) Tetrachloroethene	9.275	164	579	0.275	ug/l	89
76) 1,2,3-Trichloropropane	11.085	75	56867	25.945	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	56867	69.763	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.591	180	422	0.207	ug/l	83

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

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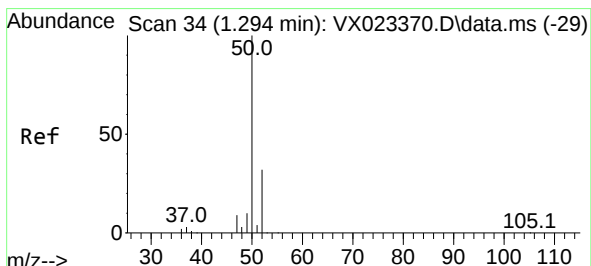
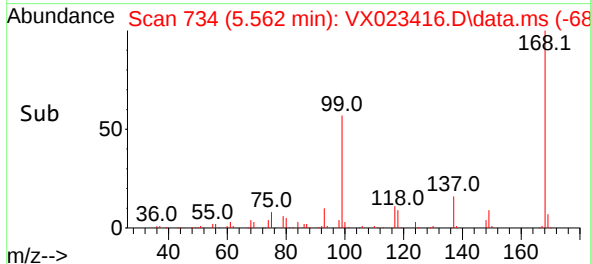
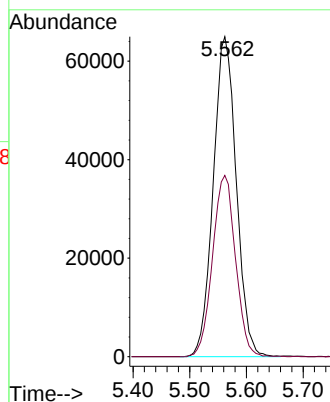
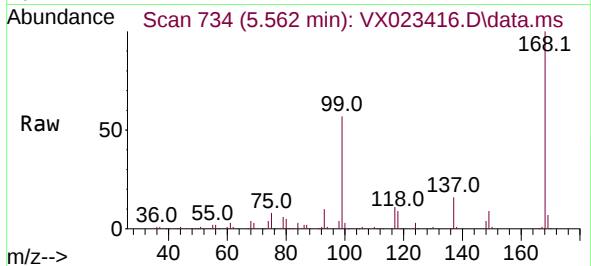




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29

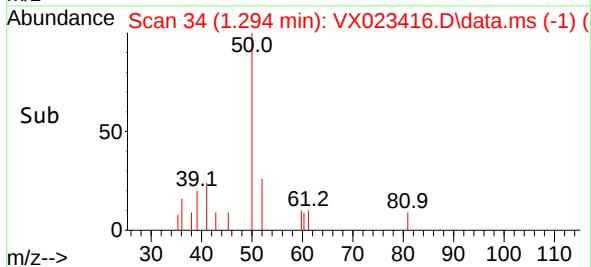
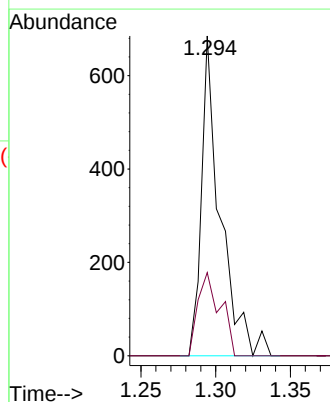
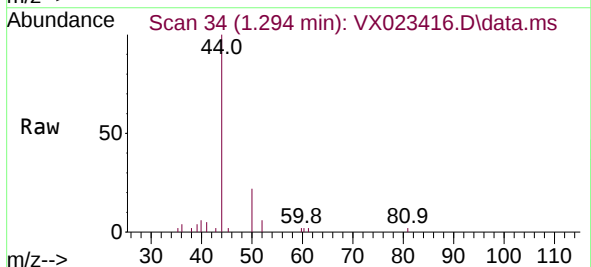
Instrument :
MSVOA_X
ClientSampleId :

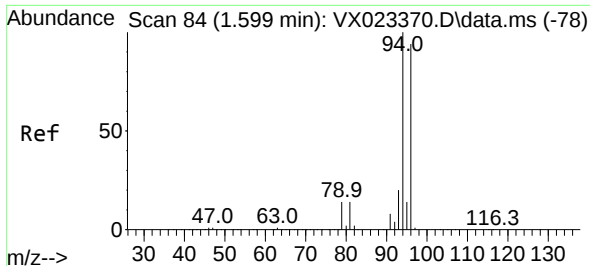
Tgt Ion:168 Resp: 183087
Ion Ratio Lower Upper
168 100
99 56.6 45.8 68.6



#3
Chloromethane
Concen: 0.306 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29

Tgt Ion: 50 Resp: 600
Ion Ratio Lower Upper
50 100
52 26.0 26.4 39.6#

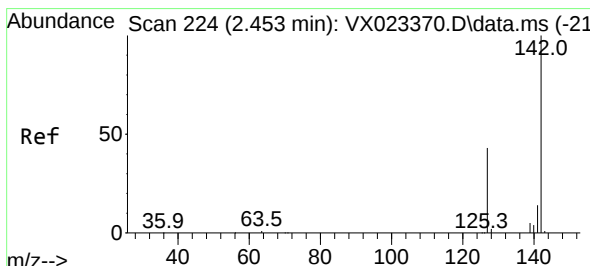
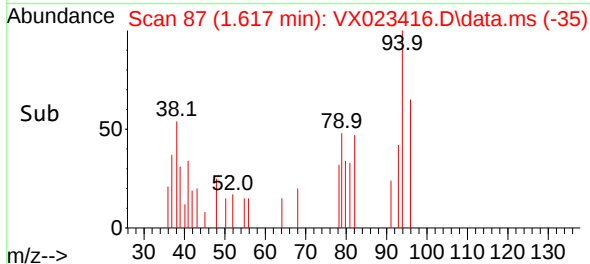
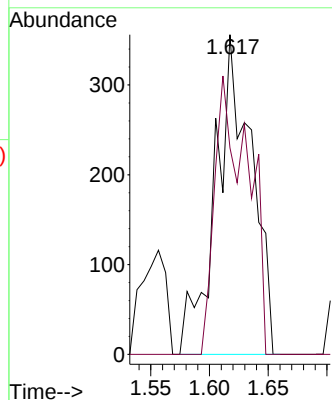
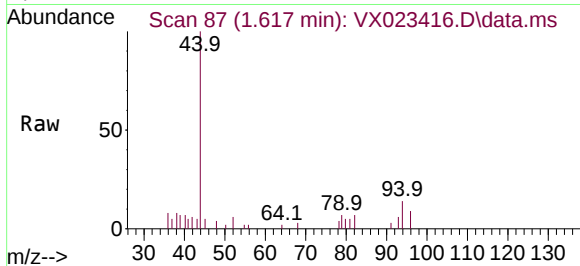




#5
Bromomethane
Concen: 0.646 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29

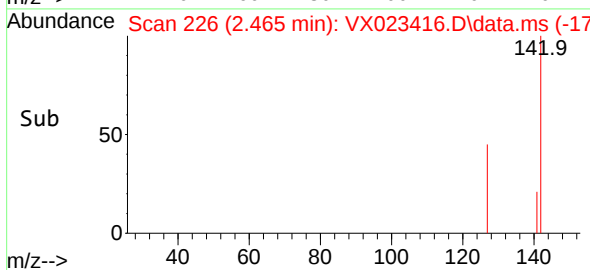
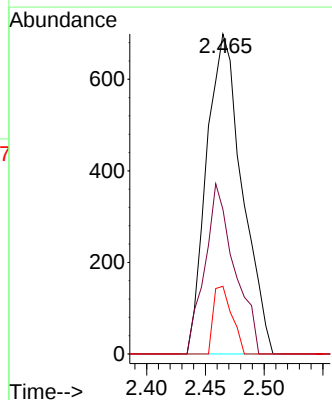
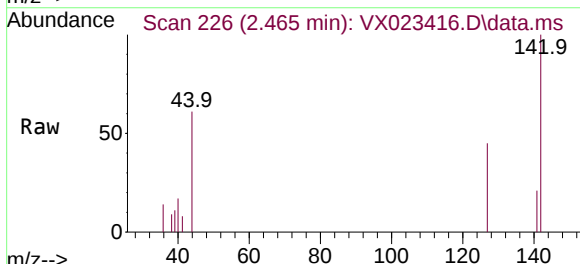
Instrument :
MSVOA_X
ClientSampleId :

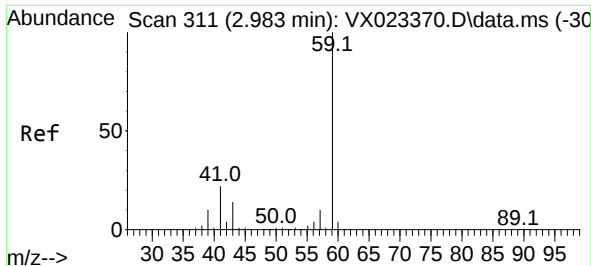
Tgt Ion: 94 Resp: 762
Ion Ratio Lower Upper
94 100
96 64.6 76.4 114.6#



#10
Methyl Iodide
Concen: 0.649 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29

Tgt Ion: 142 Resp: 1474
Ion Ratio Lower Upper
142 100
127 44.2 33.3 49.9
141 10.9 11.4 17.0#



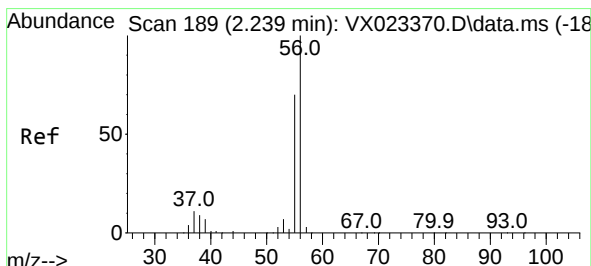
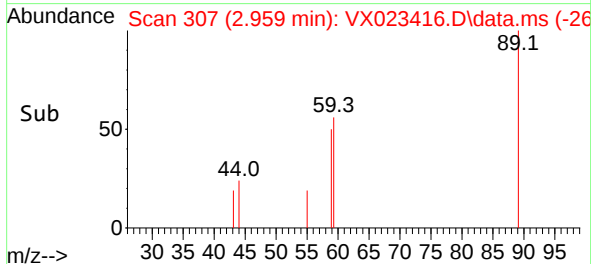
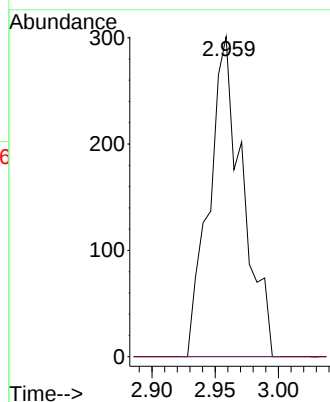
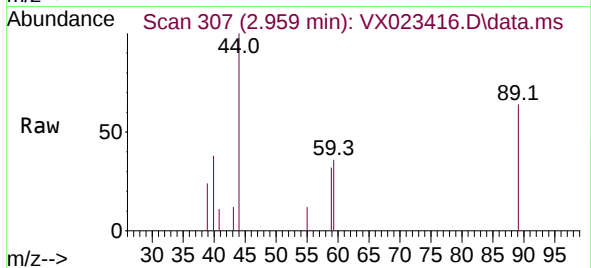


#11

Tert butyl alcohol
Concen: 1.060 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29

Instrument :
MSVOA_X
ClientSampled :

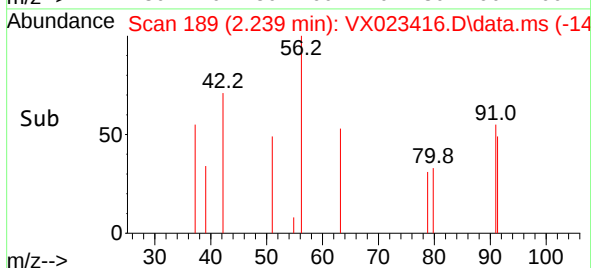
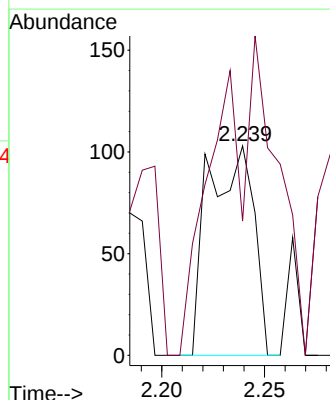
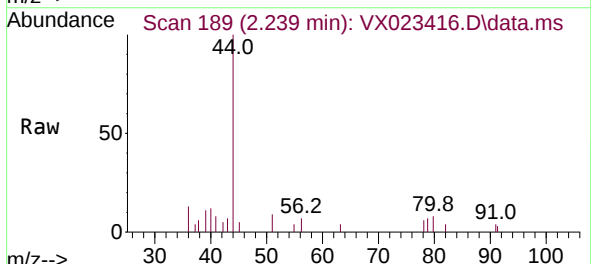
Tgt Ion: 59 Resp: 553
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

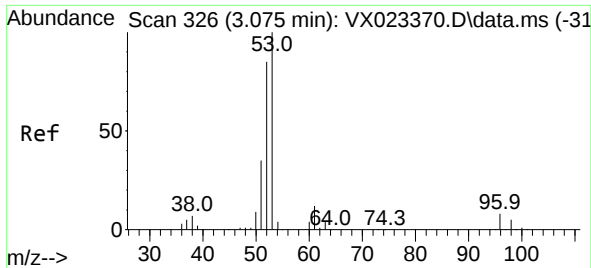


#13

Acrolein
Concen: 1.956 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29

Tgt Ion: 56 Resp: 158
Ion Ratio Lower Upper
56 100
55 104.4 56.4 84.6#

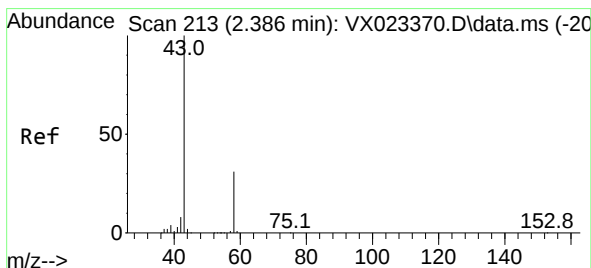
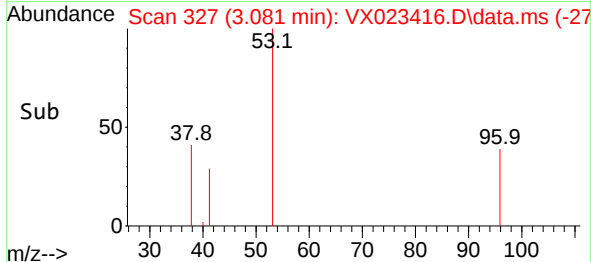
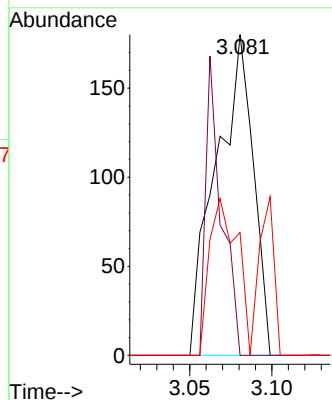
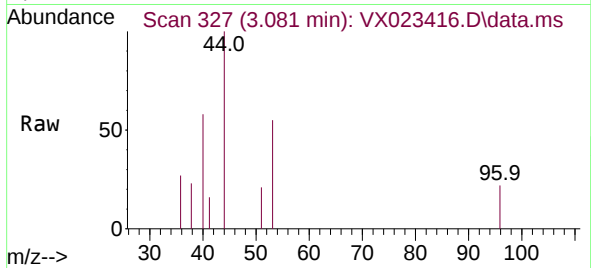




#15
Acrylonitrile
Concen: 0.240 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.006 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29

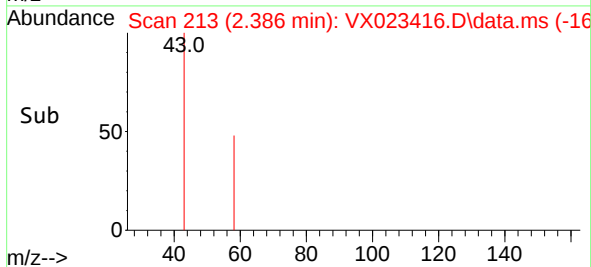
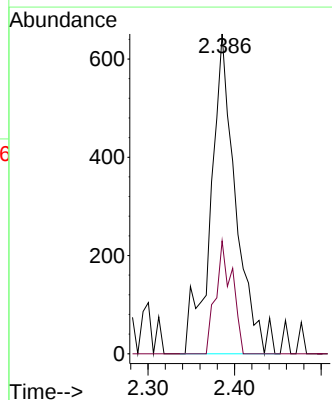
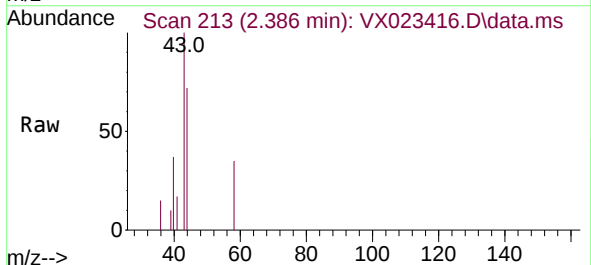
Instrument :
MSVOA_X
ClientSampled :

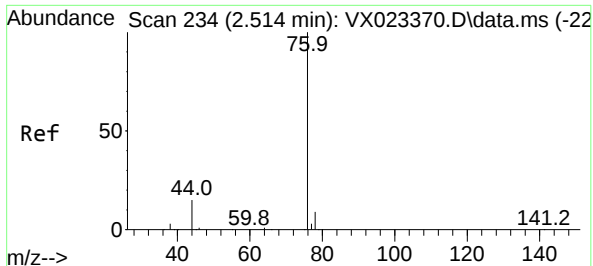
Tgt Ion: 53 Resp: 283
Ion Ratio Lower Upper
53 100
52 39.2 65.3 97.9#
51 36.7 28.2 42.2



#16
Acetone
Concen: 1.167 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29

Tgt Ion: 43 Resp: 1307
Ion Ratio Lower Upper
43 100
58 35.3 27.8 41.8

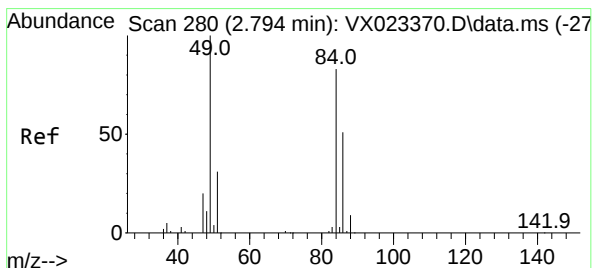
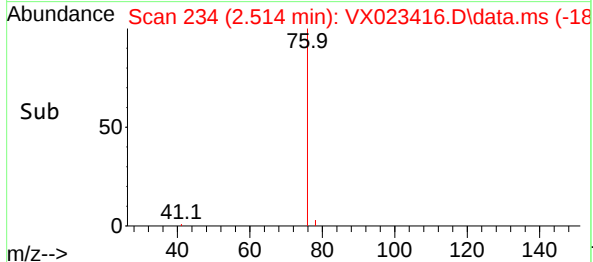
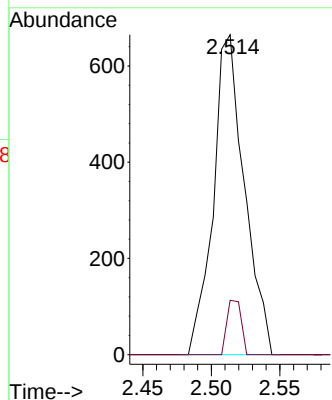
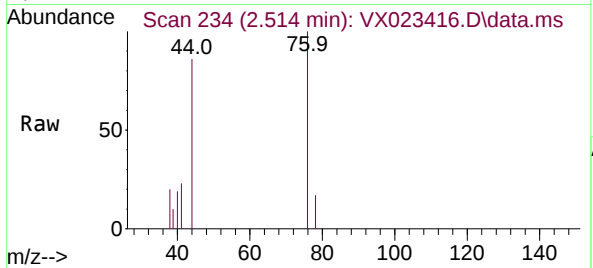




#17
Carbon Disulfide
Concen: 0.237 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29

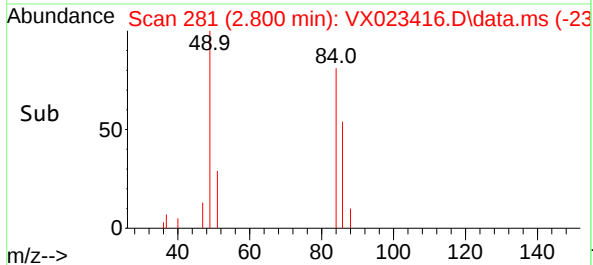
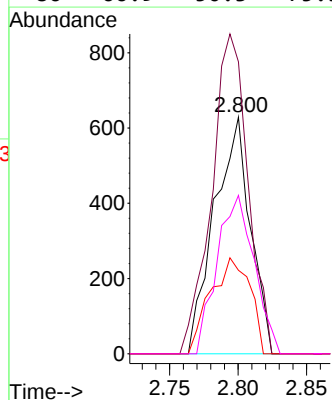
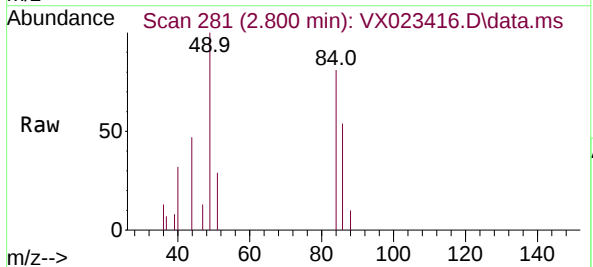
Instrument :
MSVOA_X
ClientSampleId :

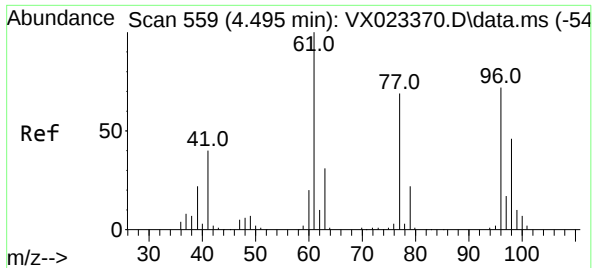
Tgt Ion: 76 Resp: 1050
Ion Ratio Lower Upper
76 100
78 17.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.528 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29

Tgt Ion: 84 Resp: 1150
Ion Ratio Lower Upper
84 100
49 123.4 88.6 132.8
51 35.3 27.0 40.6
86 66.9 50.3 75.5





#27

cis-1,2-Dichloroethene

Concen: 0.533 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

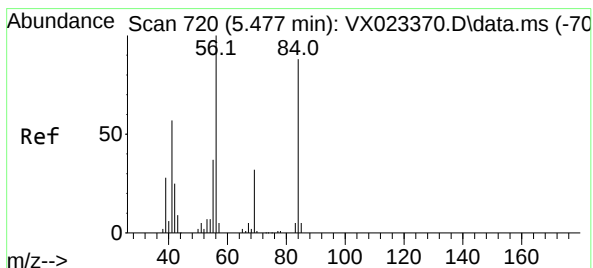
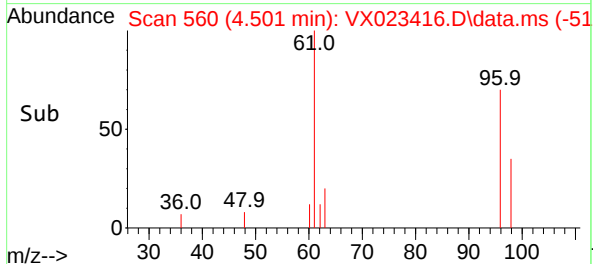
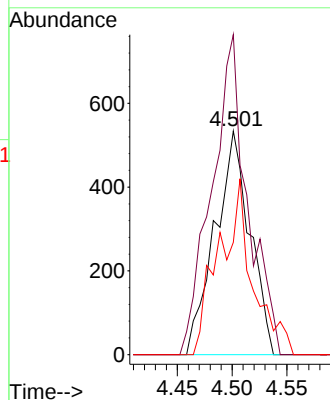
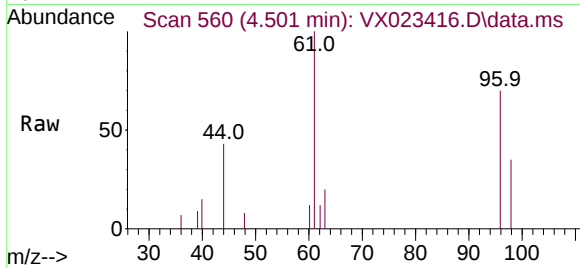
Lab File: VX023416.D

Acq: 23 Jul 2021 11:29

Tgt Ion: 96 Resp: 1182

Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	285.6
98	75.5	0.0	129.6

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.185 ug/l

RT: 5.562 min Scan# 734

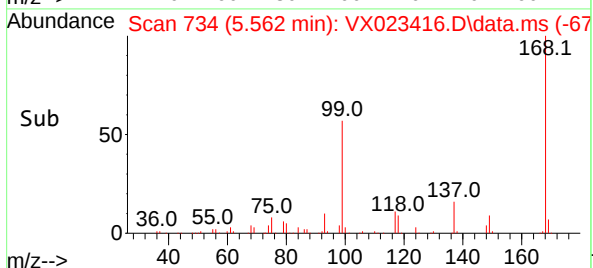
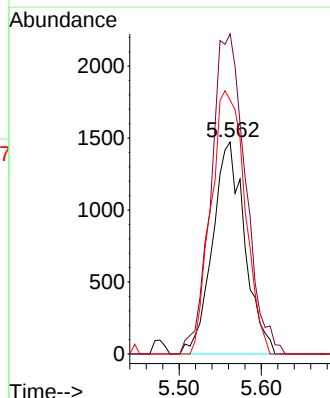
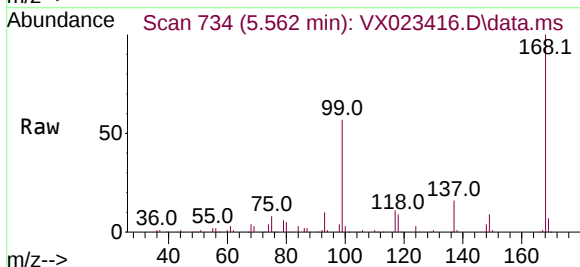
Delta R.T. 0.085 min

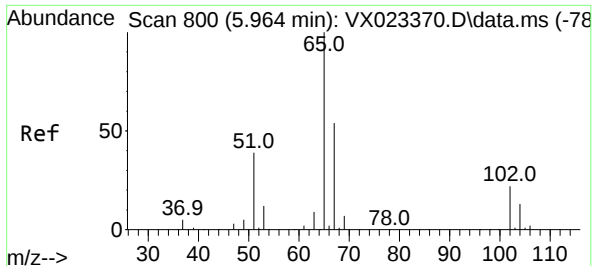
Lab File: VX023416.D

Acq: 23 Jul 2021 11:29

Tgt Ion: 56 Resp: 4008

Ion	Ratio	Lower	Upper
56	100		
69	151.1	25.3	37.9#
84	119.9	71.4	107.0#



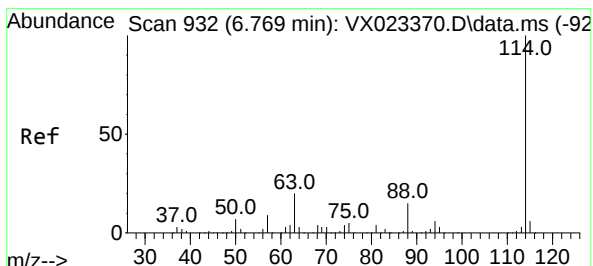
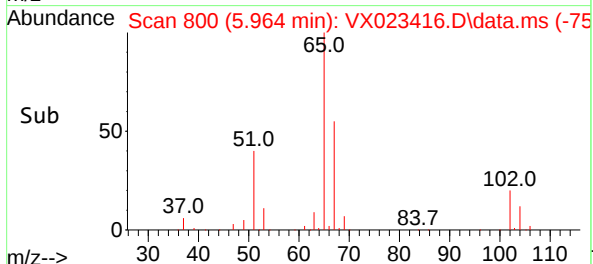
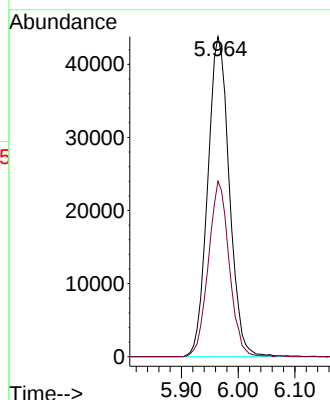
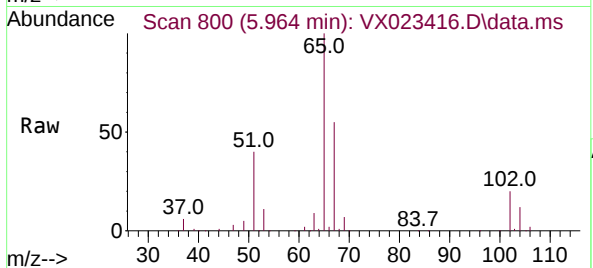


#33

1,2-Dichloroethane-d4
Concen: 50.721 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29

Instrument :
MSVOA_X
ClientSampled :

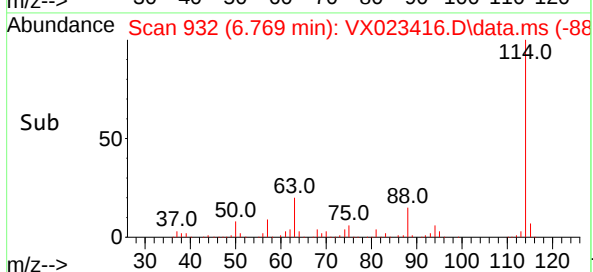
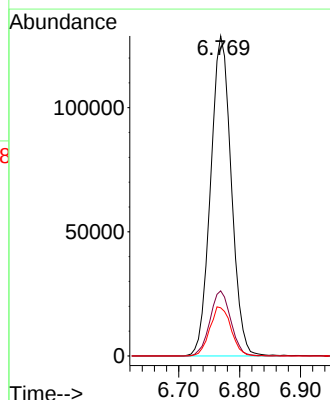
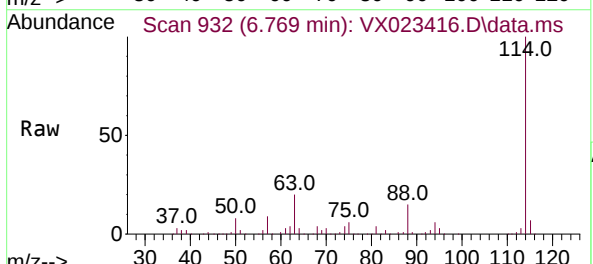
Tgt Ion: 65 Resp: 115840
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.4

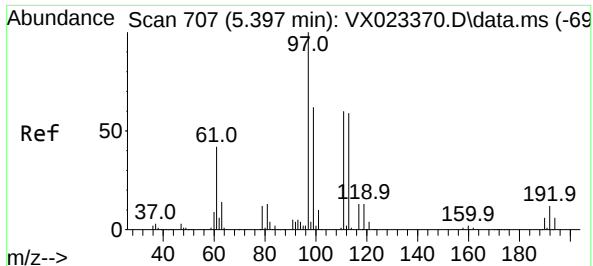


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29

Tgt Ion: 114 Resp: 303802
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 15.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.244 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023416.D

Acq: 23 Jul 2021 11:29

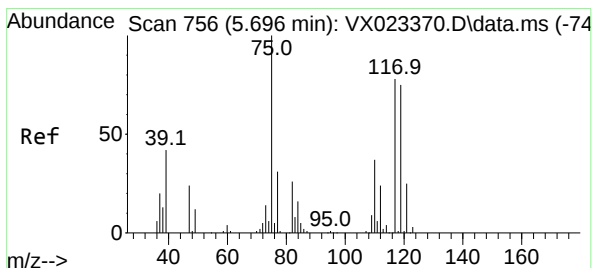
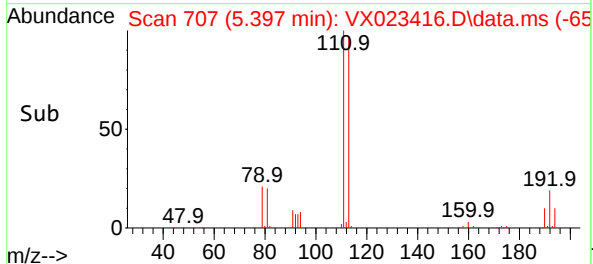
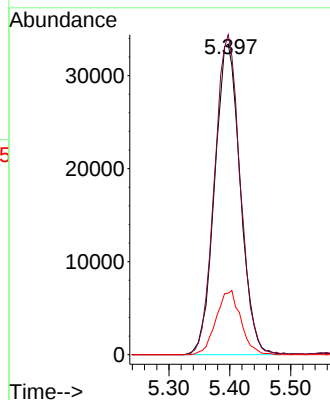
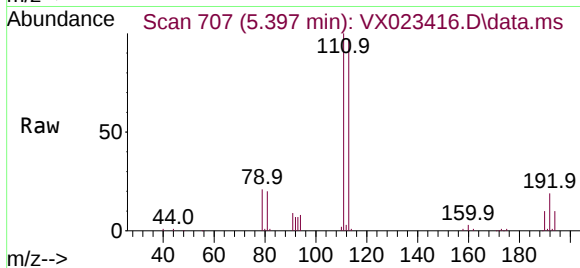
Tgt Ion:113 Resp: 97339

Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

192 19.9 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.111 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX023416.D

Acq: 23 Jul 2021 11:29

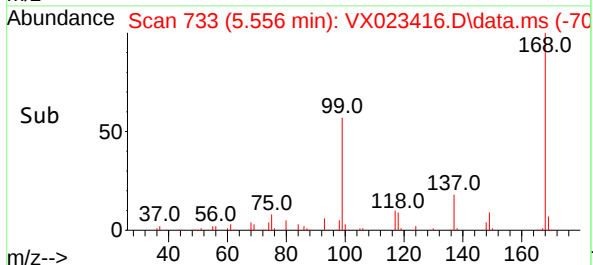
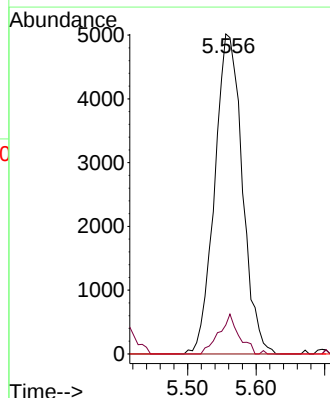
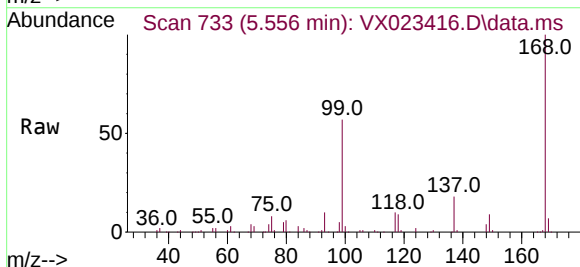
Tgt Ion: 75 Resp: 14046

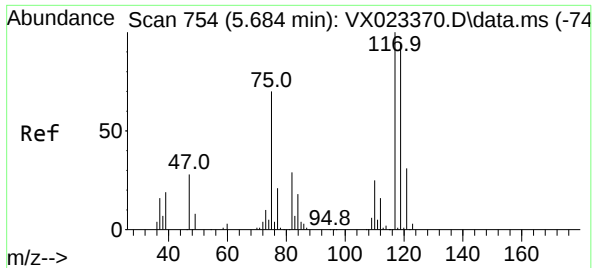
Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.4#

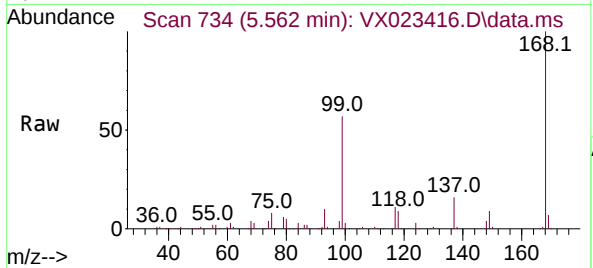
77 0.0 25.3 37.9#



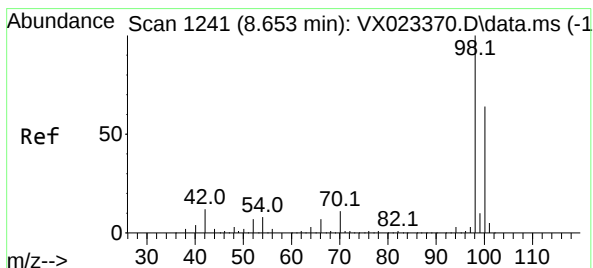
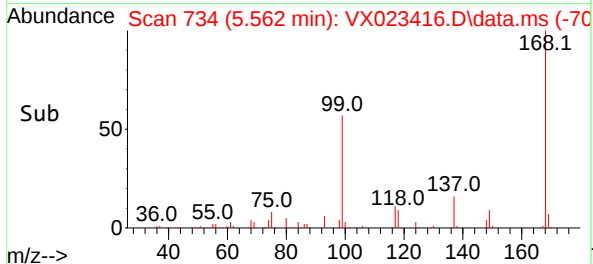
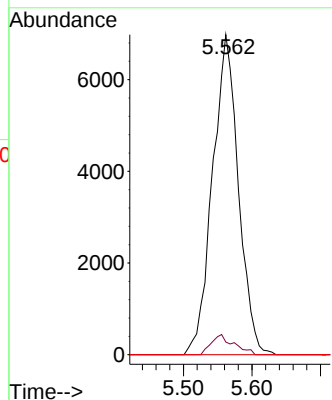


#38
Carbon Tetrachloride
Concen: 6.552 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29

Instrument :
MSVOA_X
ClientSampleId :

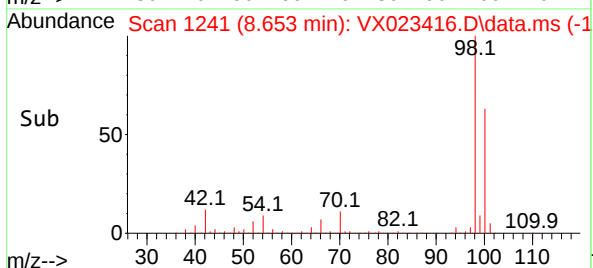
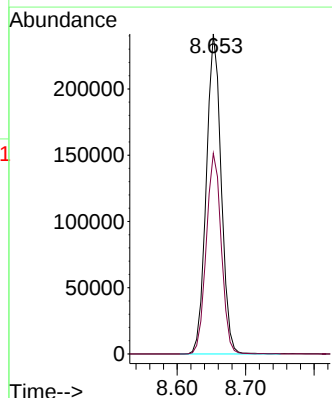
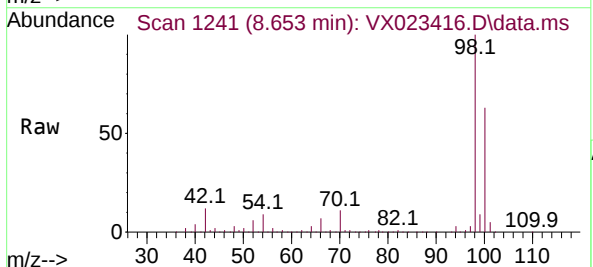


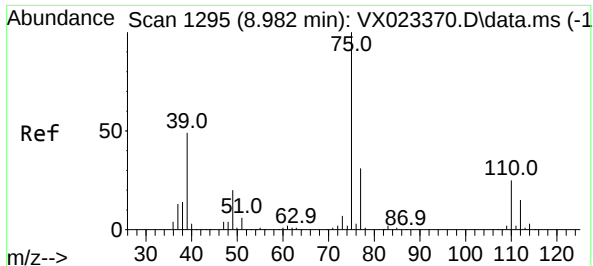
Tgt Ion:117 Resp: 18311
Ion Ratio Lower Upper
117 100
119 4.0 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.307 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29

Tgt Ion: 98 Resp: 365039
Ion Ratio Lower Upper
98 100
100 63.1 51.9 77.9

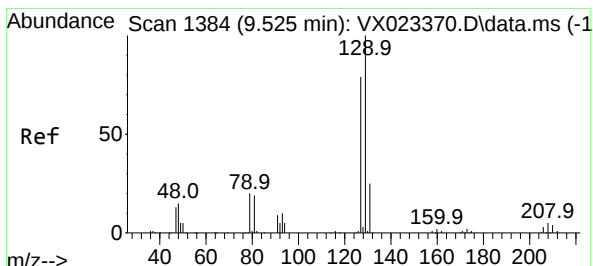
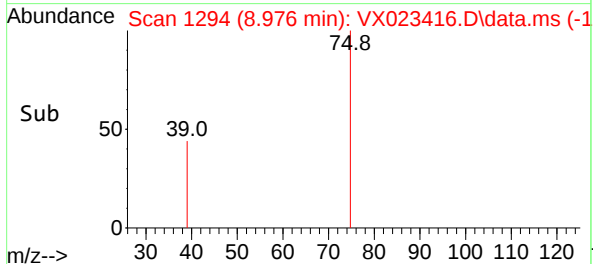
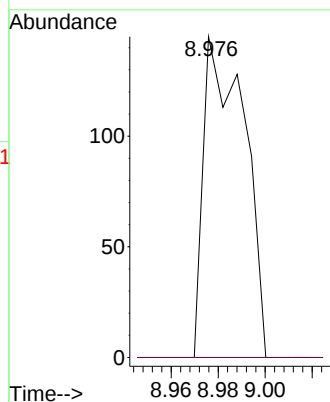
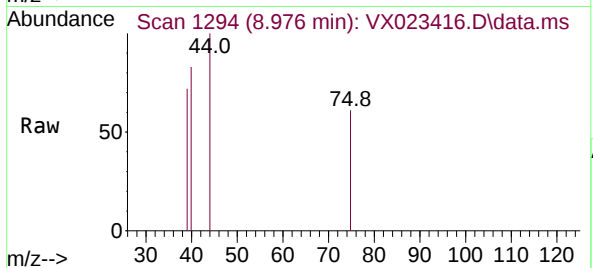




#53
t-1,3-Dichloropropene
Concen: 1.867 ug/l
RT: 8.976 min Scan# 1294
Delta R.T. -0.006 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29

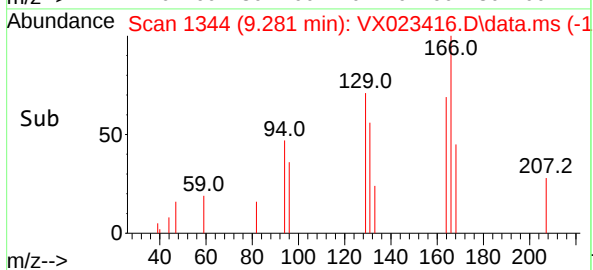
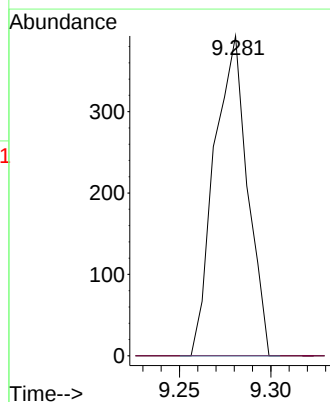
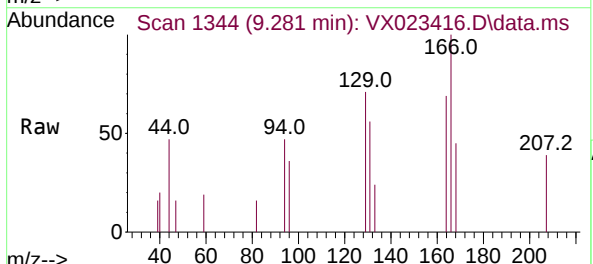
Instrument :
MSVOA_X
ClientSampled :

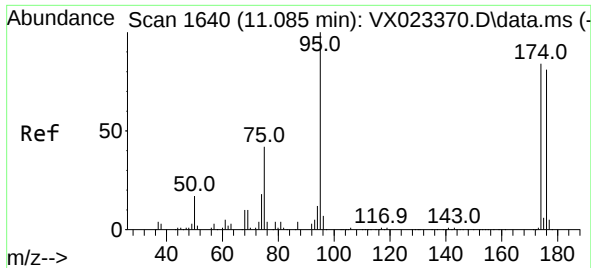
Tgt Ion: 75 Resp: 174
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#60
Dibromochloromethane
Concen: 2.194 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29

Tgt Ion:129 Resp: 497
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

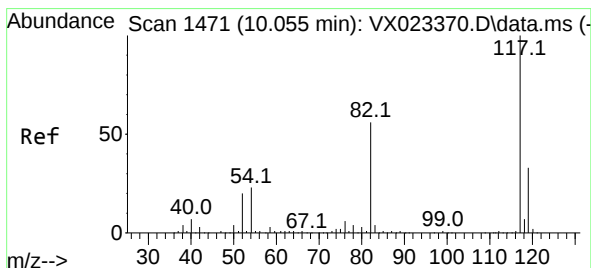
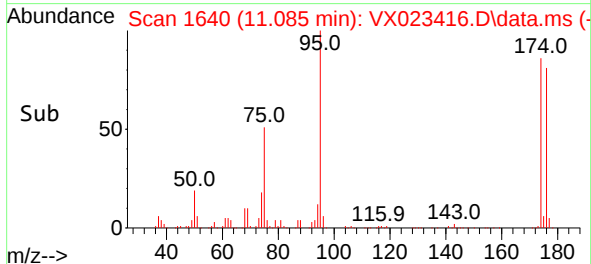
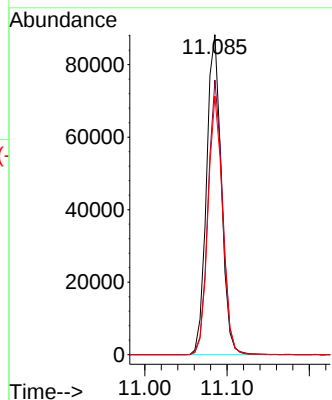
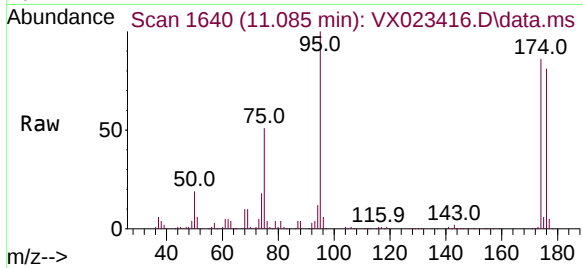




#62
4-Bromofluorobenzene
Concen: 46.500 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29

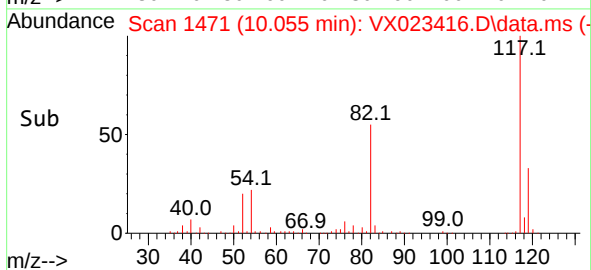
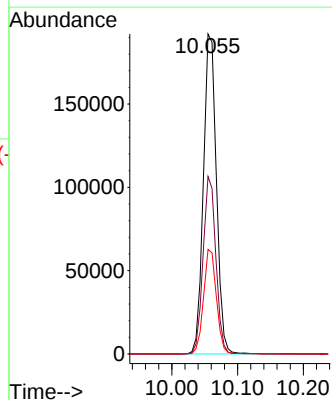
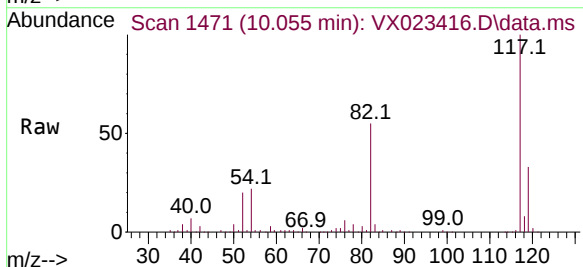
Instrument :
MSVOA_X
ClientSampleId :

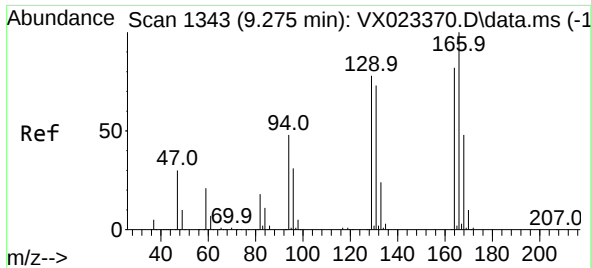
Tgt Ion: 95 Resp: 110349
Ion Ratio Lower Upper
95 100
174 84.4 0.0 154.6
176 79.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29

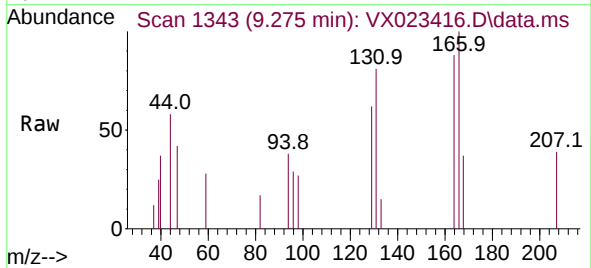
Tgt Ion: 117 Resp: 264648
Ion Ratio Lower Upper
117 100
82 55.4 47.4 71.2
119 32.6 26.6 39.8





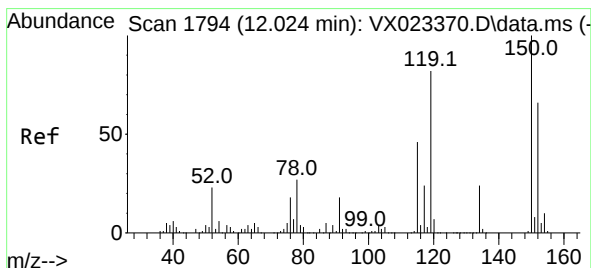
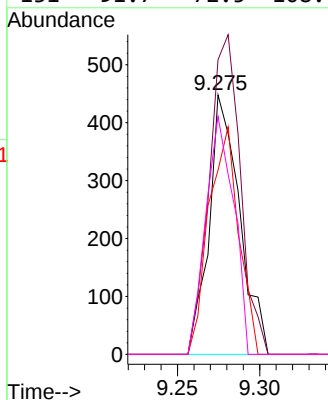
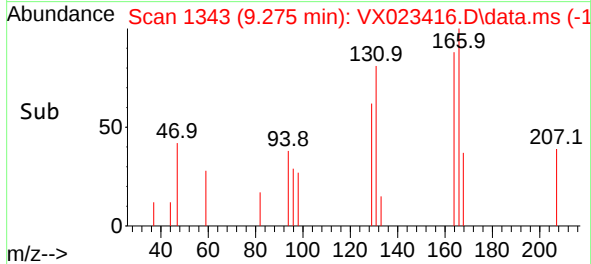
#64
Tetrachloroethene
Concen: 0.275 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29

Instrument :
MSVOA_X
ClientSampled :

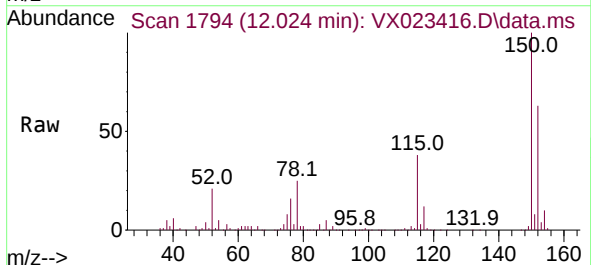


Tgt Ion:164 Resp: 579

Ion	Ratio	Lower	Upper
164	100		
166	113.6	103.4	155.2
129	71.0	70.8	106.2
131	91.7	72.5	108.7

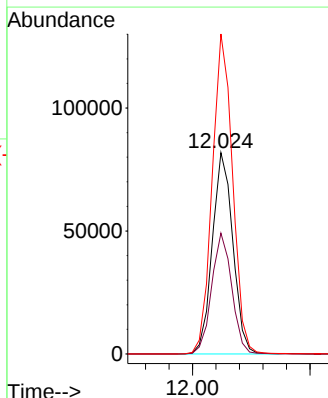
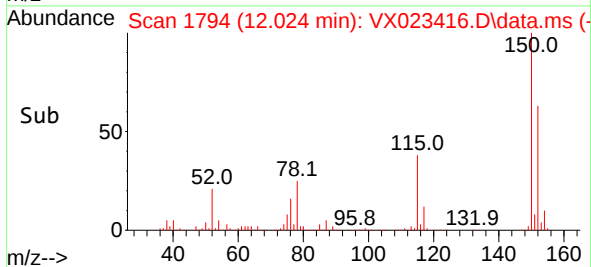


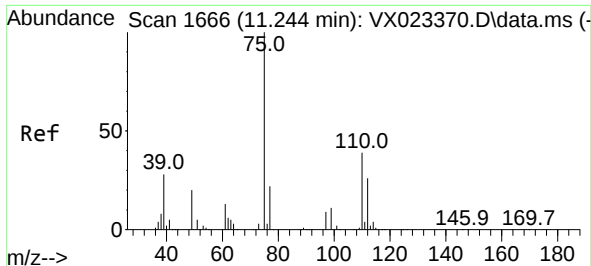
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29



Tgt Ion:152 Resp: 99603

Ion	Ratio	Lower	Upper
152	100		
115	58.8	41.1	123.3
150	157.7	0.0	349.0

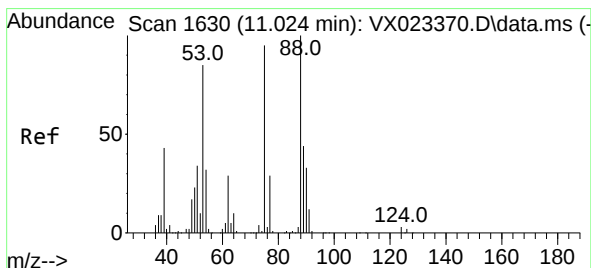
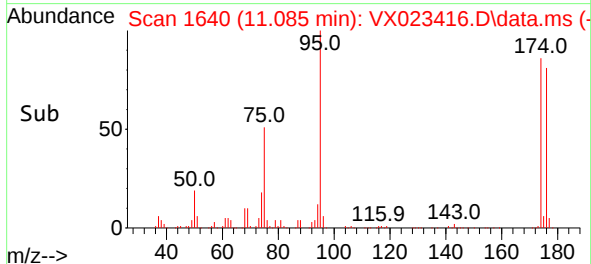
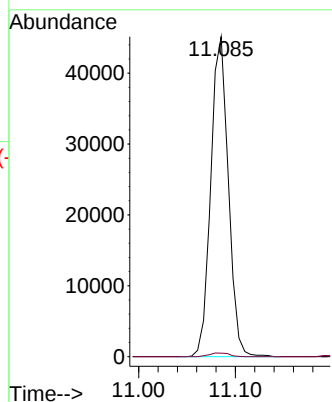
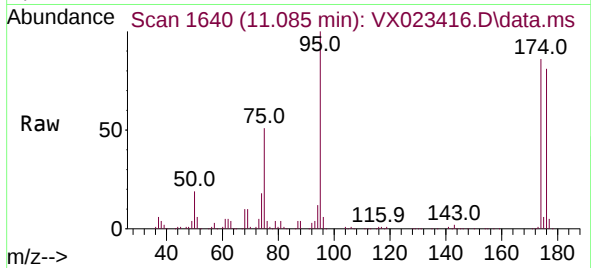




#76
1,2,3-Trichloropropane
Concen: 25.945 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29

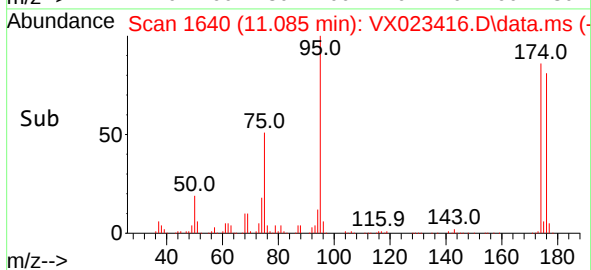
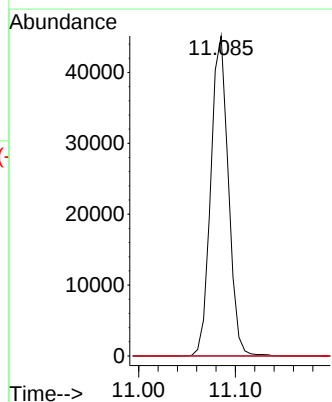
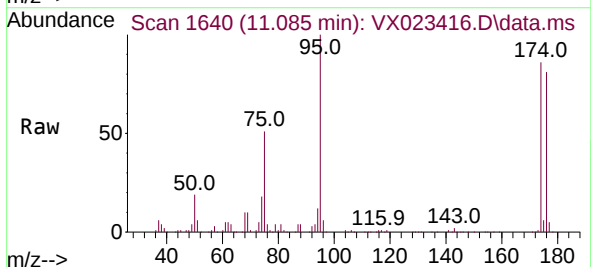
Instrument :
MSVOA_X
ClientSampled :

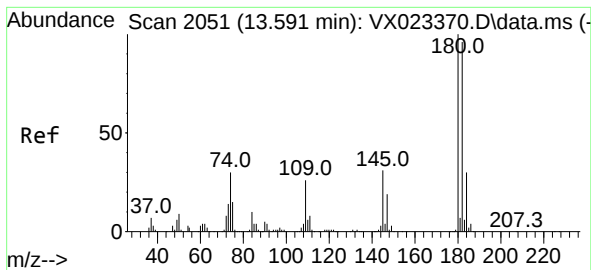
Tgt Ion: 75 Resp: 56867
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.763 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023416.D
Acq: 23 Jul 2021 11:29

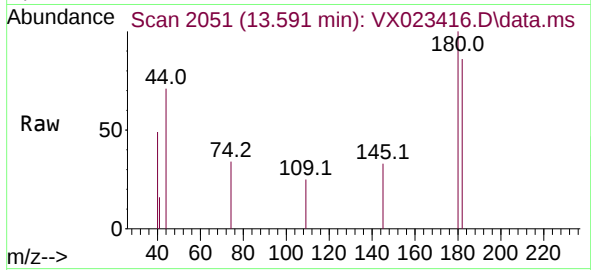
Tgt Ion: 75 Resp: 56867
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#93
 1,2,4-Trichlorobenzene
 Concen: 0.207 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. -0.000 min
 Lab File: VX023416.D
 Acq: 23 Jul 2021 11:29

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	422
Ion	Ratio	Lower	Upper
180	100		
182	81.3	47.7	143.1
145	15.9	15.0	45.0

