

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013123\
 Data File : VY012418.D
 Acq On : 31 Jan 2023 14:25
 Operator : KP/MD
 Sample : 01354-02
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Feb 01 01:24:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

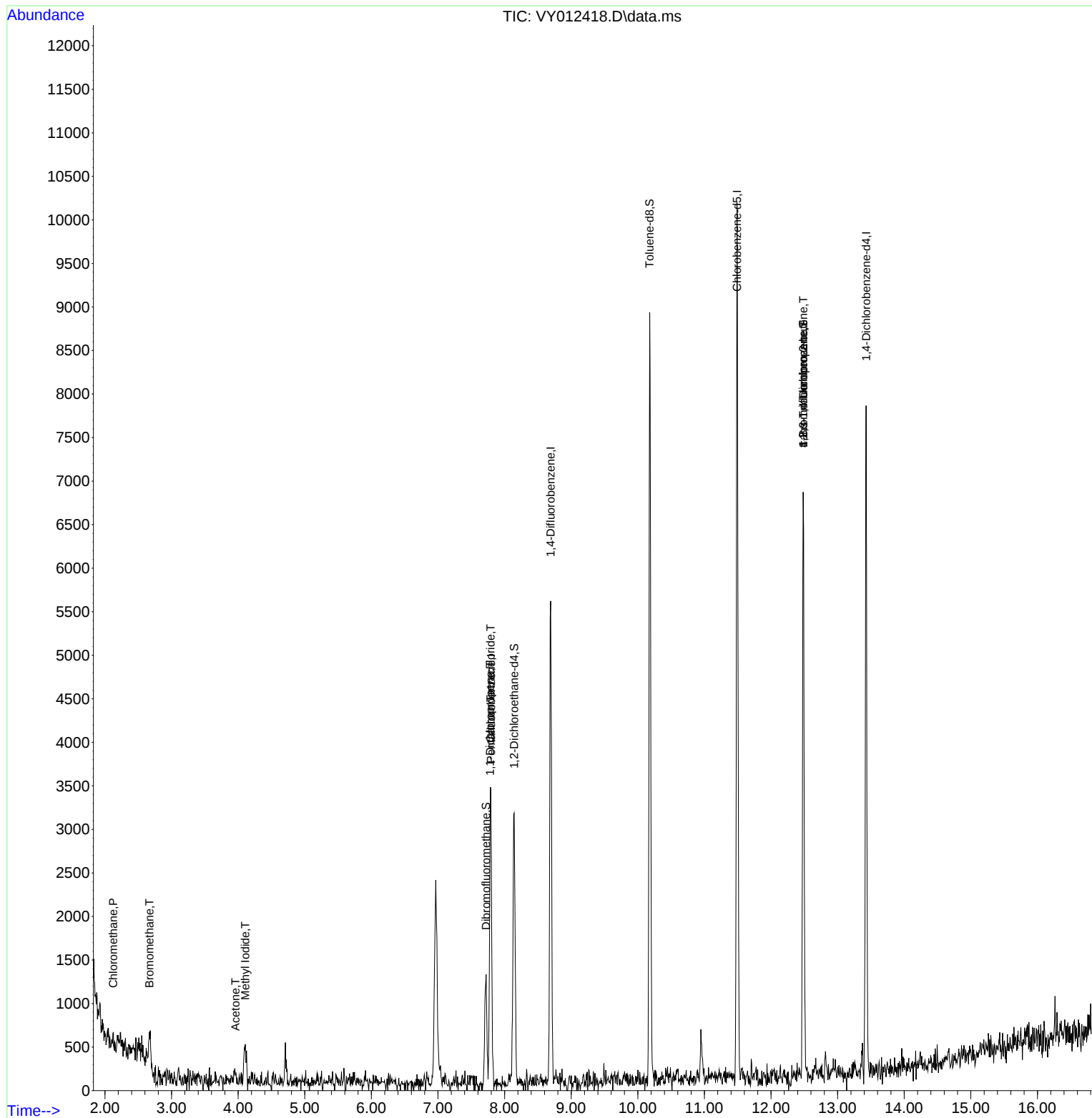
Internal Standards						
1) Pentafluorobenzene	7.795	168	3246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	5696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	6503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2416	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	2965	115.338	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 230.680%#	
35) Dibromofluoromethane	7.722	113	973	32.261	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 64.520%	
50) Toluene-d8	10.179	98	6581	64.207	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 128.420%	
62) 4-Bromofluorobenzene	12.483	95	2203	51.815	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.620%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	87	3.322	ug/l #	41
5) Bromomethane	2.668	94	276	11.679	ug/l #	69
10) Methyl Iodide	4.107	142	756	17.134	ug/l #	91
16) Acetone	3.960	43	179	19.804	ug/l #	40
20) Methylene Chloride	4.710	84	213	Below Cal	#	74
36) 1,1-Dichloropropene	7.783	75	191	3.726	ug/l #	41
38) Carbon Tetrachloride	7.789	117	247	3.731	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	1099	49.469	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1099	101.928	ug/l #	13

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

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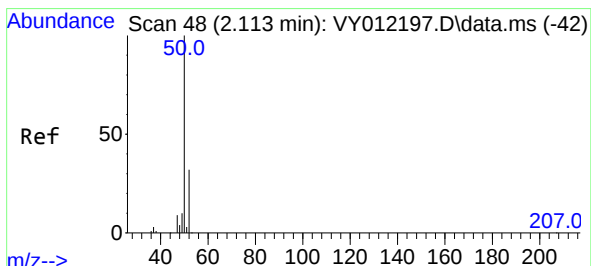
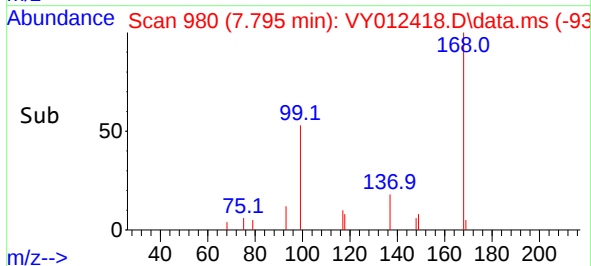
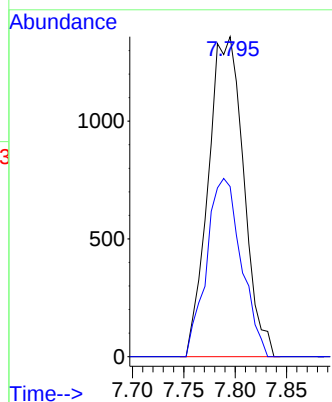
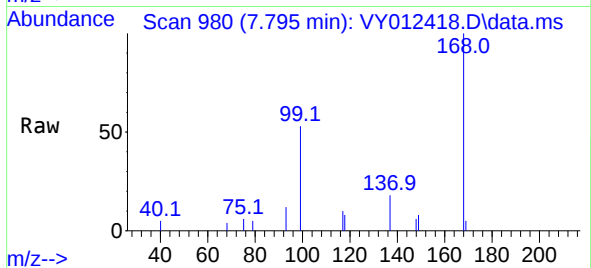




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012418.D
Acq: 31 Jan 2023 14:25

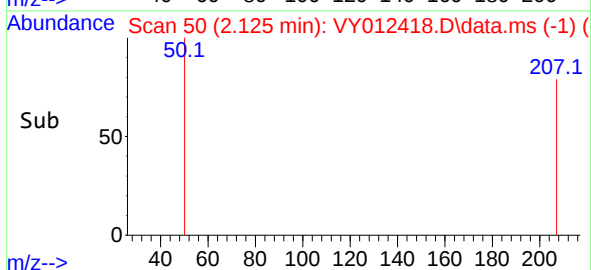
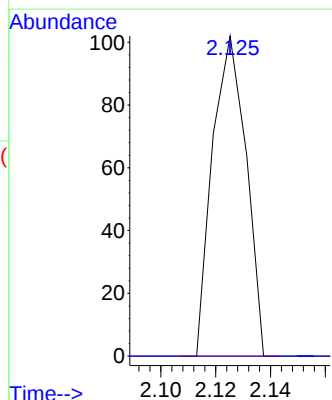
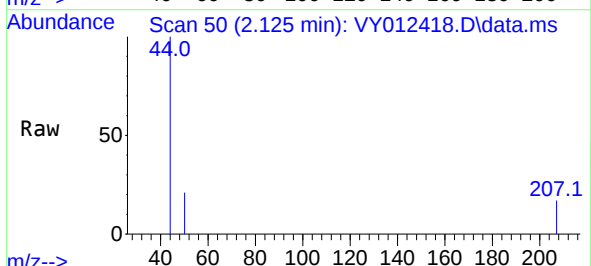
Instrument :
MSVOA_Y
ClientSampleId :
VOC

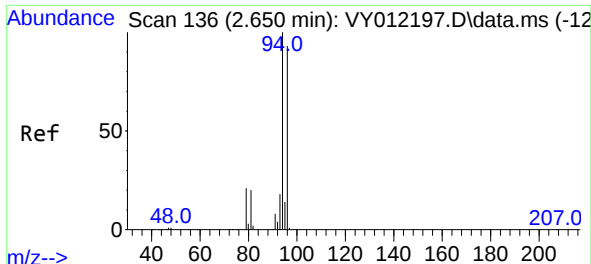
Tgt Ion:168 Resp: 3246
Ion Ratio Lower Upper
168 100
99 53.1 44.0 66.0



#3
Chloromethane
Concen: 3.322 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY012418.D
Acq: 31 Jan 2023 14:25

Tgt Ion: 50 Resp: 87
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

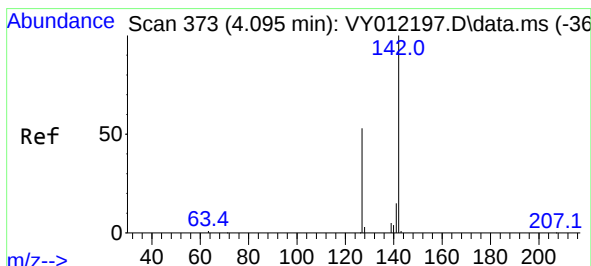
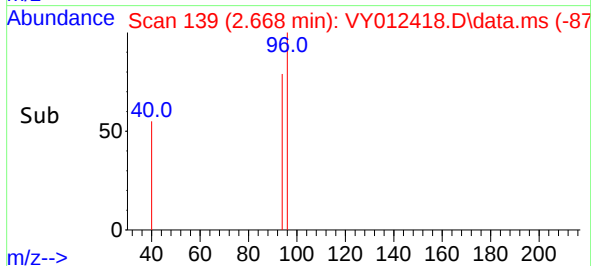
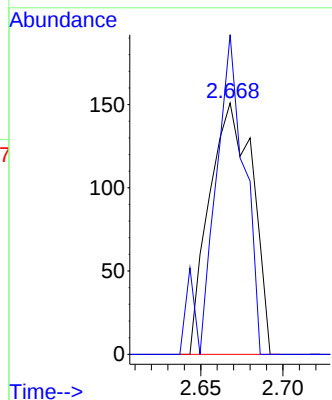
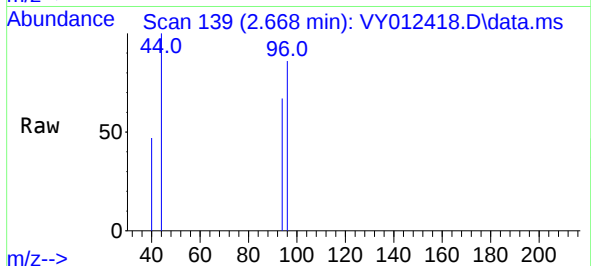




#5
Bromomethane
Concen: 11.679 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY012418.D
Acq: 31 Jan 2023 14:25

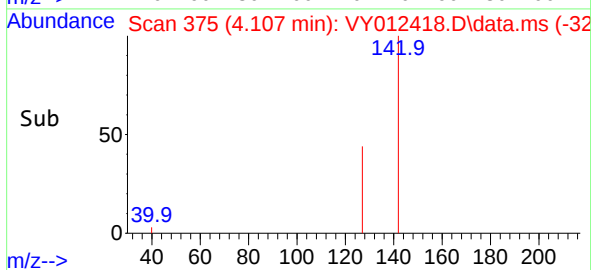
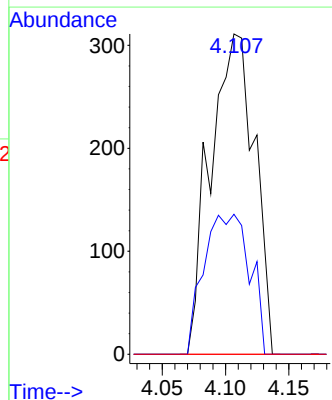
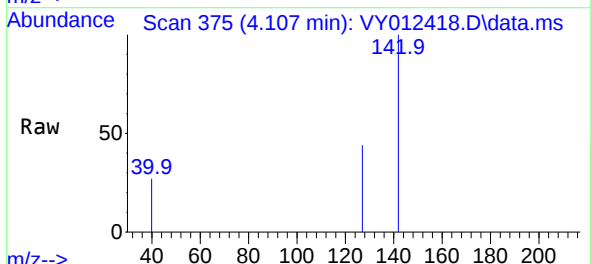
Instrument :
MSVOA_Y
ClientSampleId :
VOC

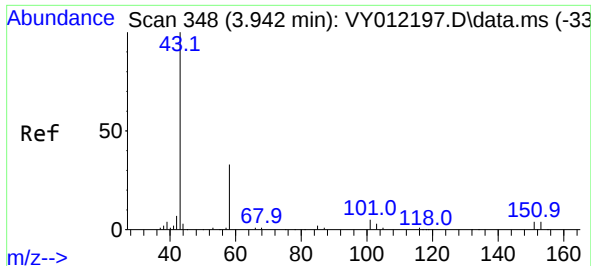
Tgt Ion: 94 Resp: 276
Ion Ratio Lower Upper
94 100
96 127.2 77.4 116.2#



#10
Methyl Iodide
Concen: 17.134 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY012418.D
Acq: 31 Jan 2023 14:25

Tgt Ion:142 Resp: 756
Ion Ratio Lower Upper
142 100
127 45.5 37.0 55.4
141 0.0 11.4 17.0#

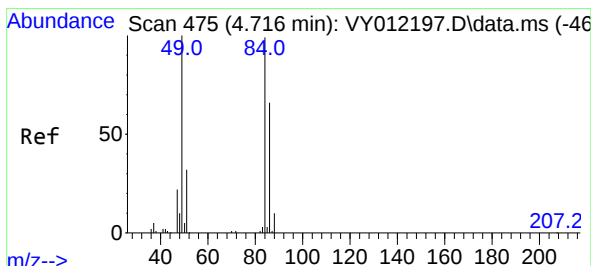
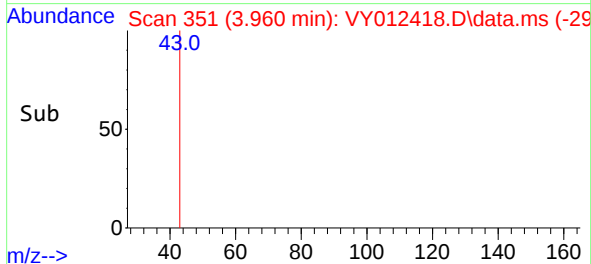
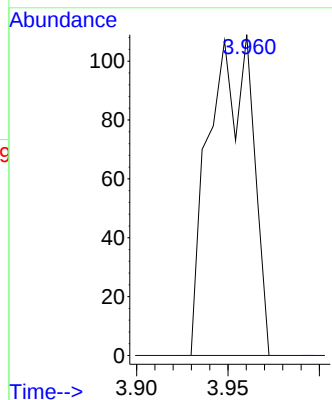
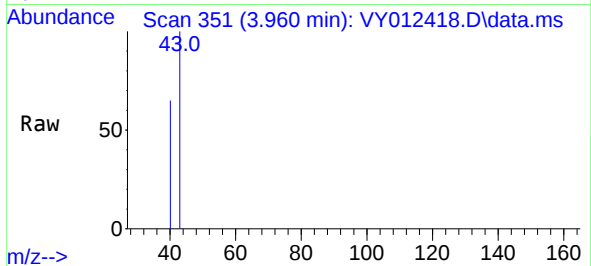




#16
Acetone
Concen: 19.804 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY012418.D
Acq: 31 Jan 2023 14:25

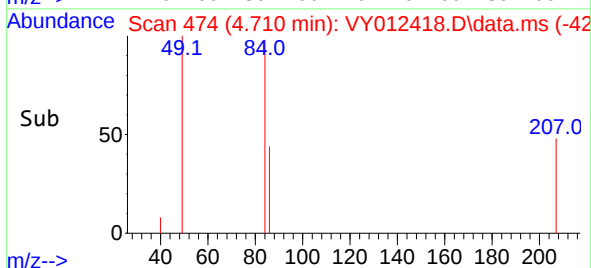
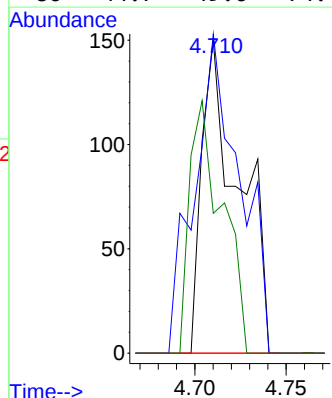
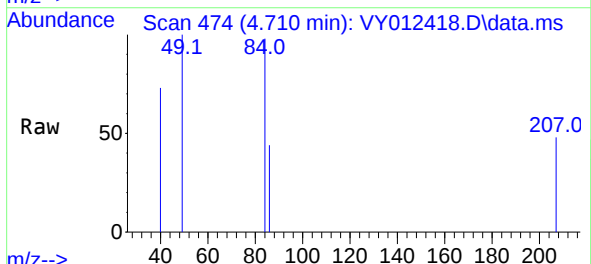
Instrument :
MSVOA_Y
ClientSampleId :
VOC

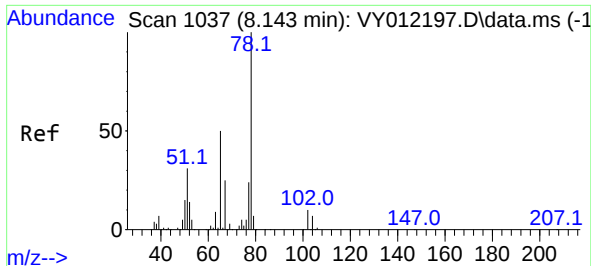
Tgt Ion: 43 Resp: 179
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY012418.D
Acq: 31 Jan 2023 14:25

Tgt Ion: 84 Resp: 213
Ion Ratio Lower Upper
84 100
49 102.0 95.4 143.2
51 0.0 29.9 44.9#
86 44.7 49.6 74.4#





#33

1,2-Dichloroethane-d4

Concen: 115.338 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012418.D

Acq: 31 Jan 2023 14:25

Instrument :

MSVOA_Y

ClientSampleId :

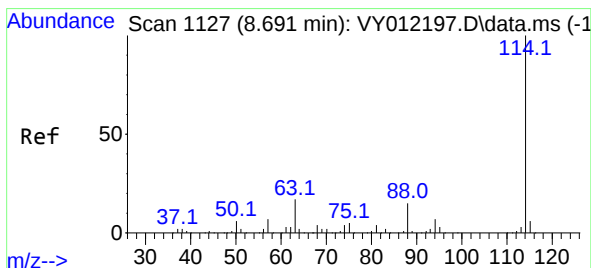
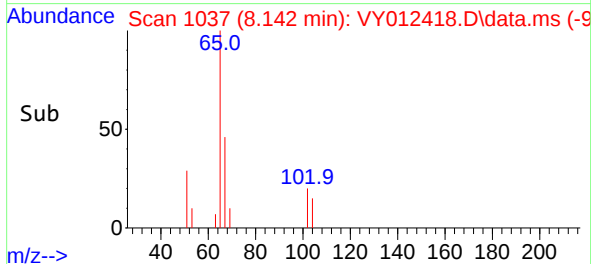
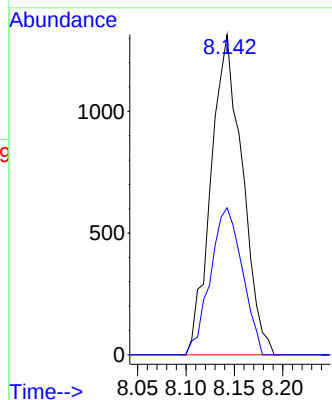
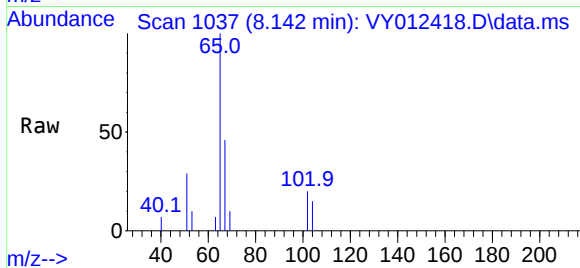
VOC

Tgt Ion: 65 Resp: 2965

Ion Ratio Lower Upper

65 100

67 46.8 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012418.D

Acq: 31 Jan 2023 14:25

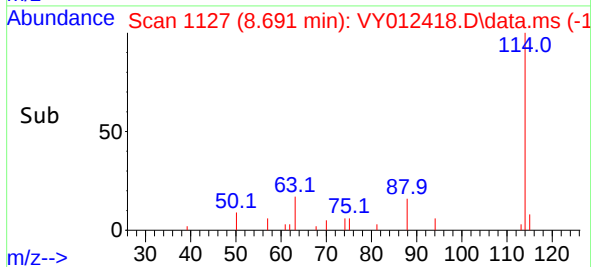
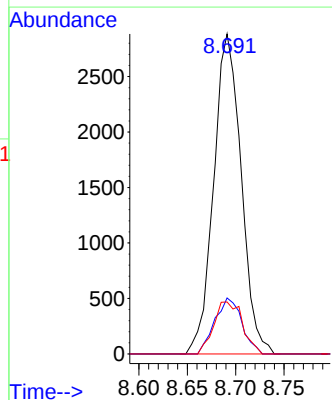
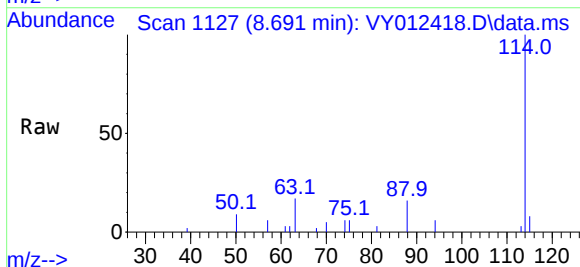
Tgt Ion: 114 Resp: 5696

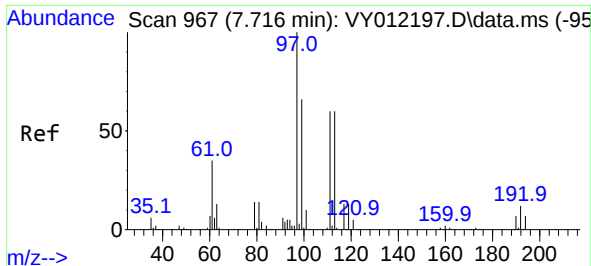
Ion Ratio Lower Upper

114 100

63 17.5 0.0 39.6

88 16.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 32.261 ug/l

RT: 7.722 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY012418.D

Acq: 31 Jan 2023 14:25

Instrument :

MSVOA_Y

ClientSampleId :

VOC

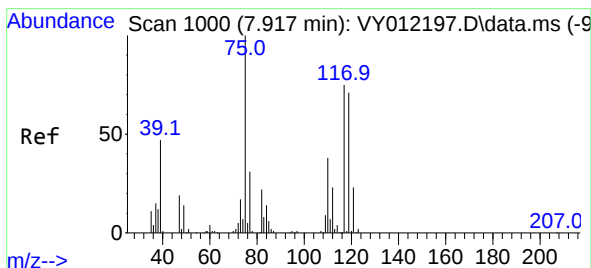
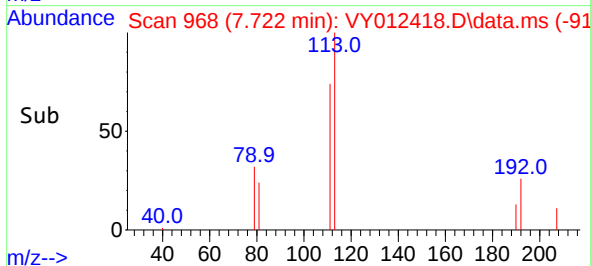
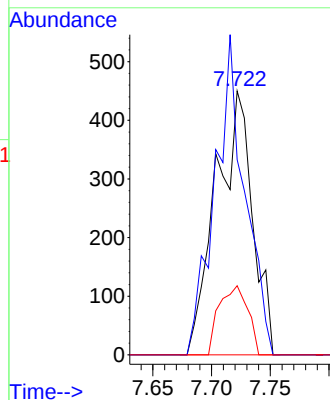
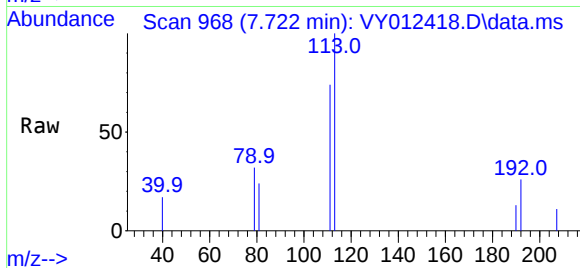
Tgt Ion:113 Resp: 973

Ion Ratio Lower Upper

113 100

111 99.7 83.0 124.4

192 20.6 16.0 24.0



#36

1,1-Dichloropropene

Concen: 3.726 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.134 min

Lab File: VY012418.D

Acq: 31 Jan 2023 14:25

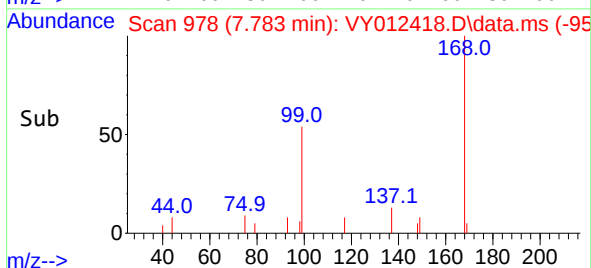
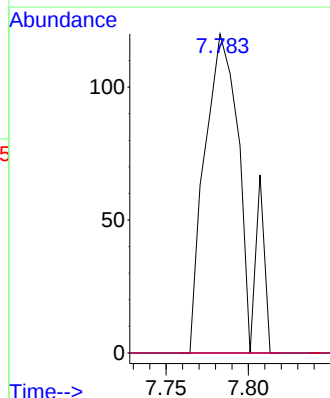
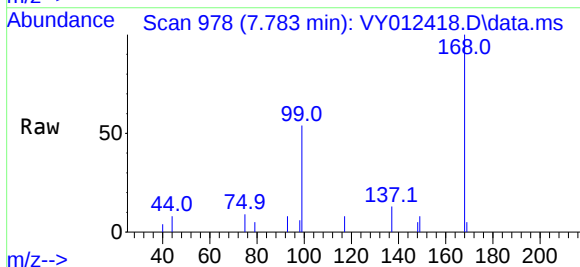
Tgt Ion: 75 Resp: 191

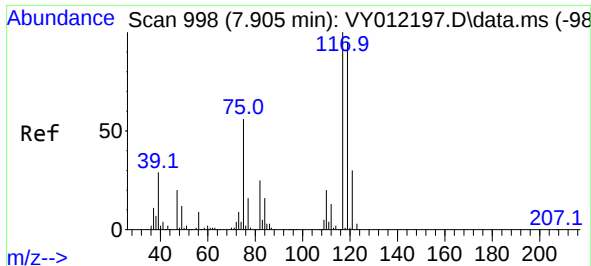
Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.1#

77 0.0 25.1 37.7#

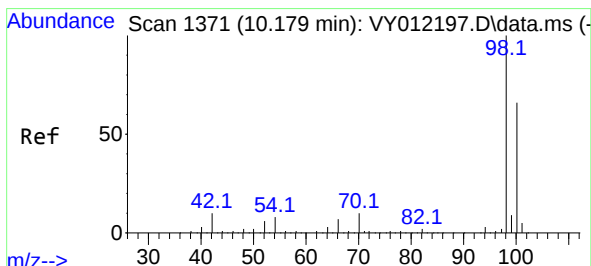
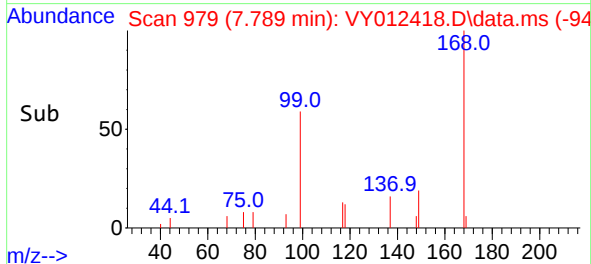
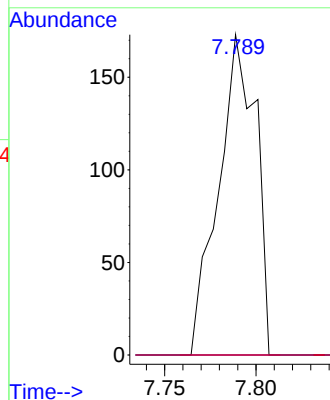
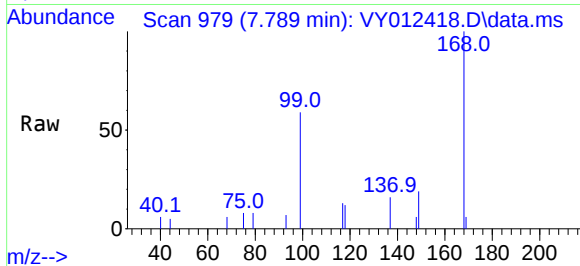




#38
Carbon Tetrachloride
Concen: 3.731 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012418.D
Acq: 31 Jan 2023 14:25

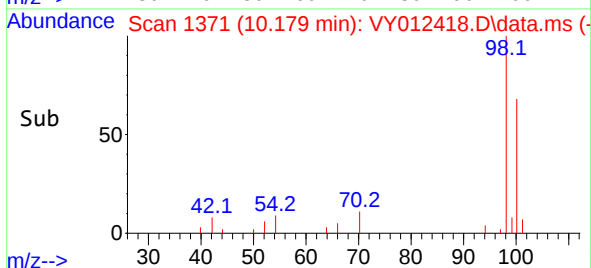
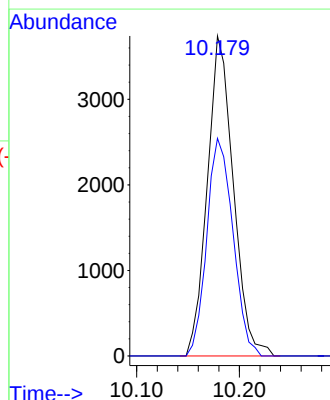
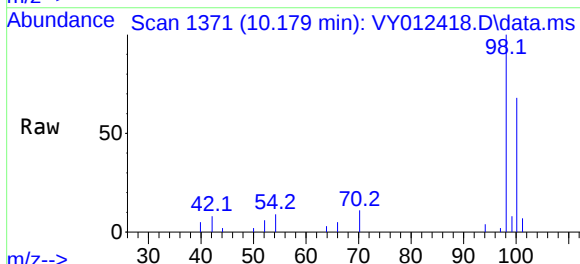
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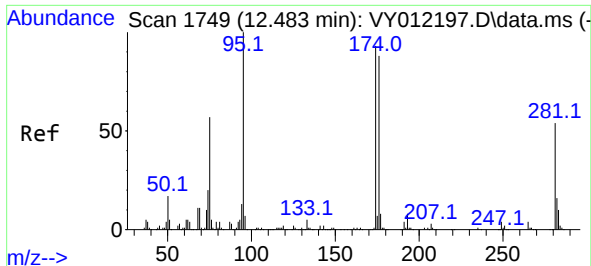
Tgt Ion:117 Resp: 247
Ion Ratio Lower Upper
117 100
119 0.0 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 64.207 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012418.D
Acq: 31 Jan 2023 14:25

Tgt Ion: 98 Resp: 6581
Ion Ratio Lower Upper
98 100
100 68.3 51.9 77.9

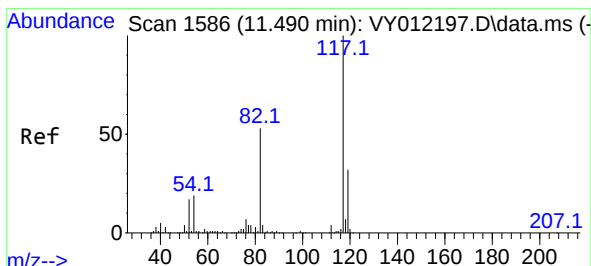
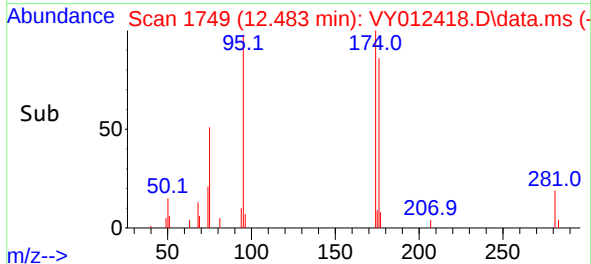
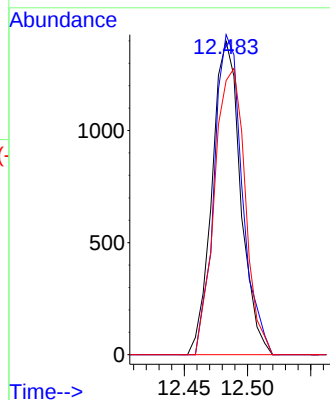
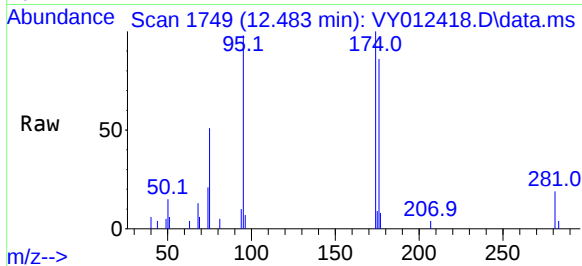




#62
4-Bromofluorobenzene
Concen: 51.815 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012418.D
Acq: 31 Jan 2023 14:25

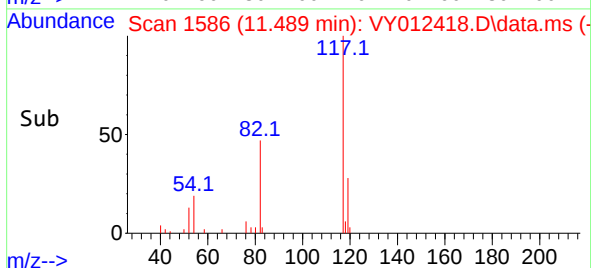
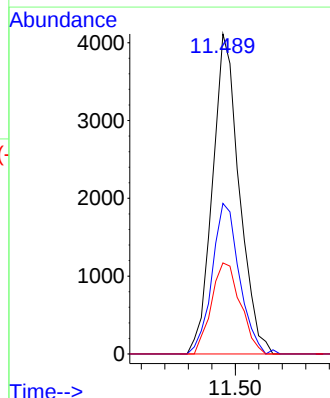
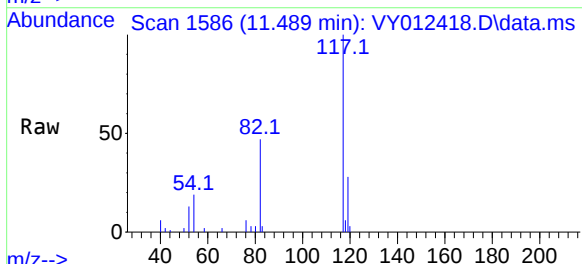
Instrument :
MSVOA_Y
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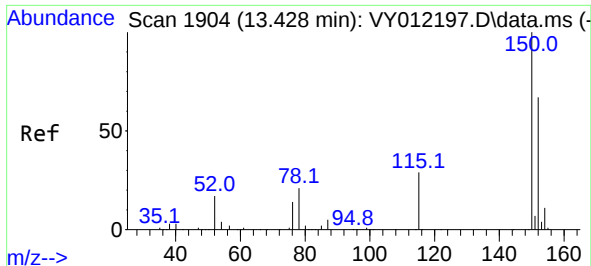
Tgt Ion:	95	Resp:	2203
Ion	Ratio	Lower	Upper
95	100		
174	100.1	0.0	172.0
176	97.4	0.0	167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012418.D
Acq: 31 Jan 2023 14:25

Tgt Ion:	117	Resp:	6503
Ion	Ratio	Lower	Upper
117	100		
82	47.1	44.8	67.2
119	28.5	25.4	38.2

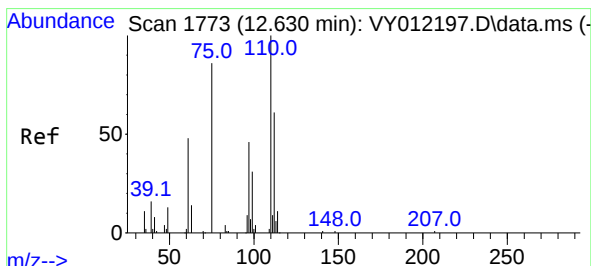
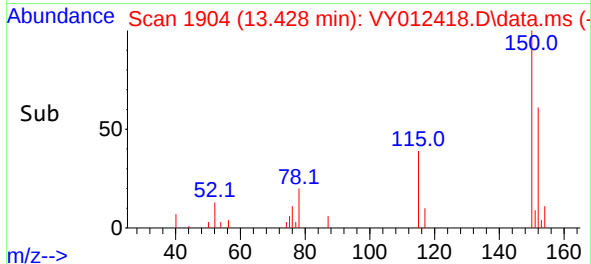
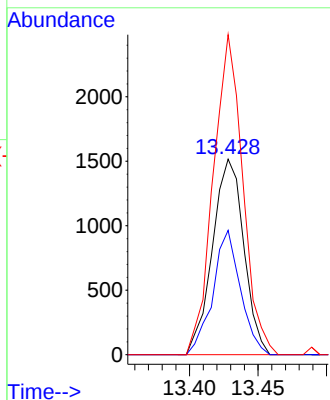
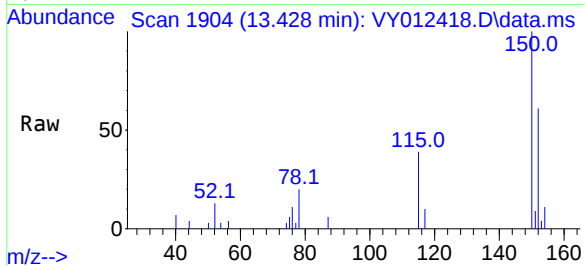




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012418.D
Acq: 31 Jan 2023 14:25

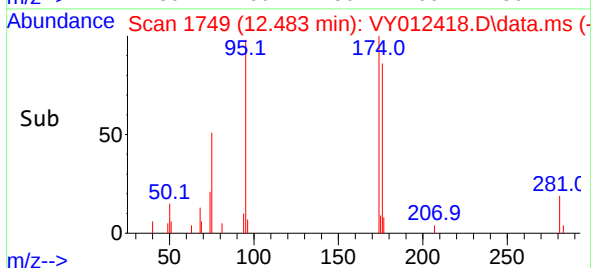
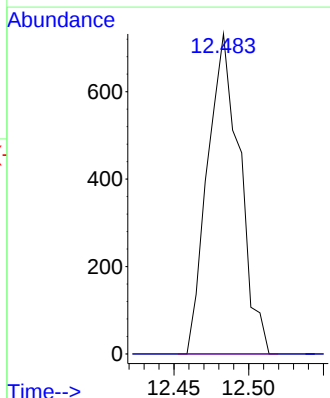
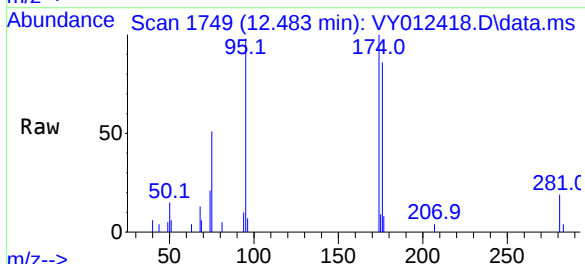
Instrument :
MSVOA_Y
ClientSampleId :
VOC

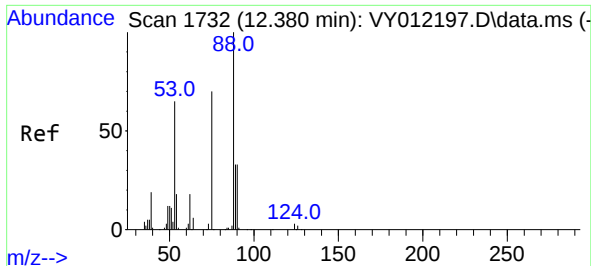
Tgt Ion:152 Resp: 2416
Ion Ratio Lower Upper
152 100
115 56.0 29.1 87.3
150 153.8 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 49.469 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012418.D
Acq: 31 Jan 2023 14:25

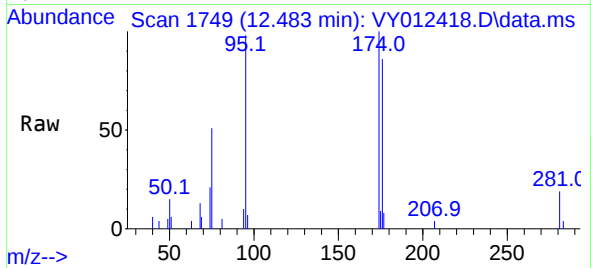
Tgt Ion: 75 Resp: 1099
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.928 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012418.D
 Acq: 31 Jan 2023 14:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	72.5	108.7#
89	0.0	37.0	55.4#

