

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014243.D
 Acq On : 19 Jun 2023 21:16
 Operator : KP/MD
 Sample : 03320-16
 Misc : 6.22g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-16

Quant Time: Jun 20 05:02:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

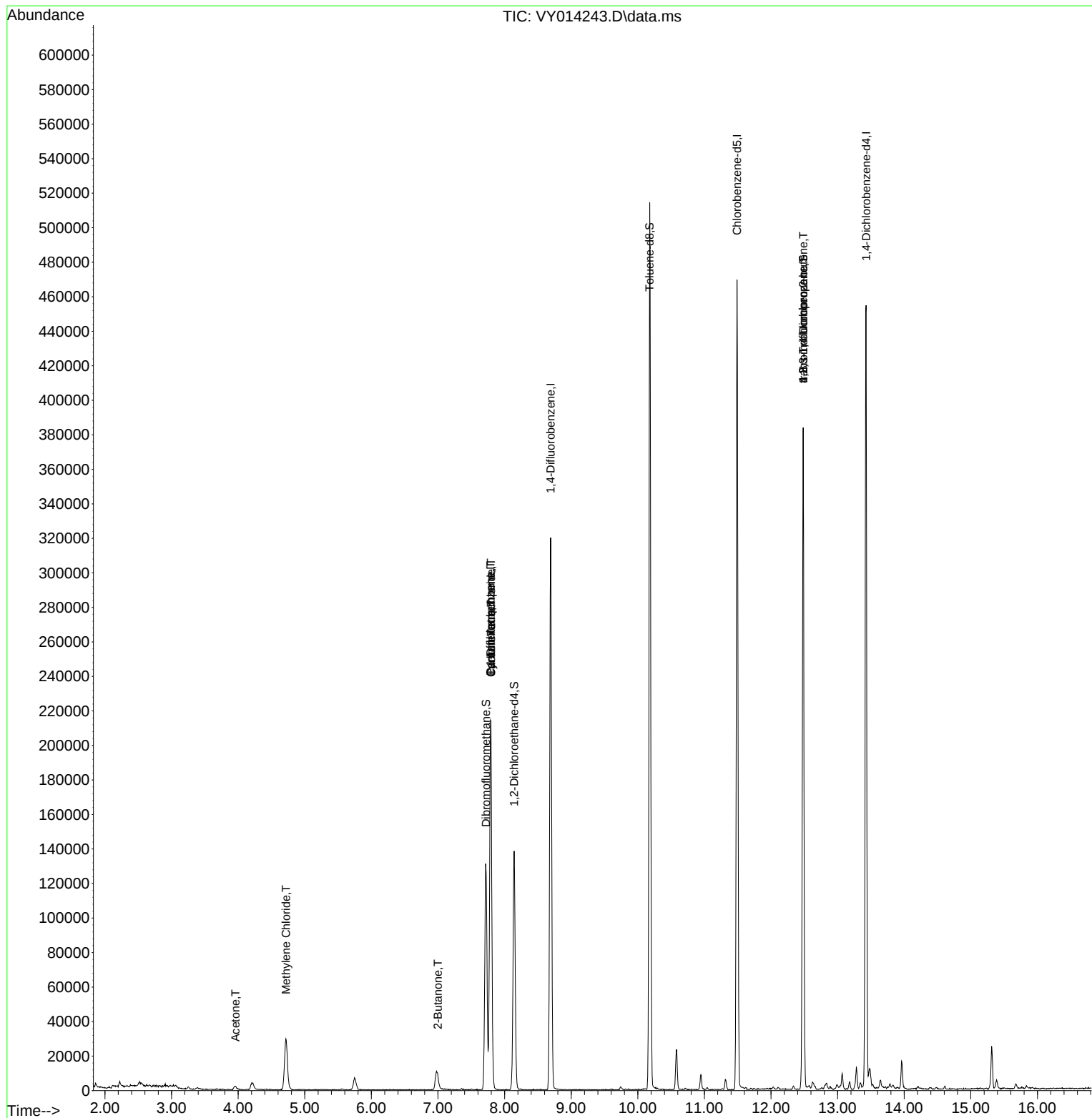
Internal Standards						
1) Pentafluorobenzene	7.789	168	169578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	265061	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	253364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	119163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	113649	48.128	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.260%
35) Dibromofluoromethane	7.722	113	88832	47.257	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.520%
50) Toluene-d8	10.179	98	329669	46.910	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.820%
62) 4-Bromofluorobenzene	12.483	95	102977	41.250	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.500%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	329	Below Cal	#	89
16) Acetone	3.960	43	3971	5.579	ug/l #	82
20) Methylene Chloride	4.716	84	21622	6.388	ug/l	86
25) 2-Butanone	6.996	43	1874	2.139	ug/l #	86
31) Cyclohexane	7.795	56	3802	1.202	ug/l #	27
36) 1,1-Dichloropropene	7.789	75	13241	4.518	ug/l #	51
38) Carbon Tetrachloride	7.795	117	15919	4.707	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	56472	36.121	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	56472	78.081	ug/l #	10

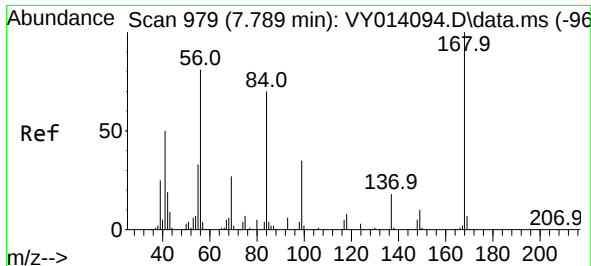
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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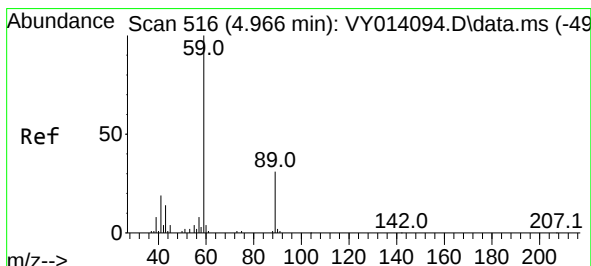
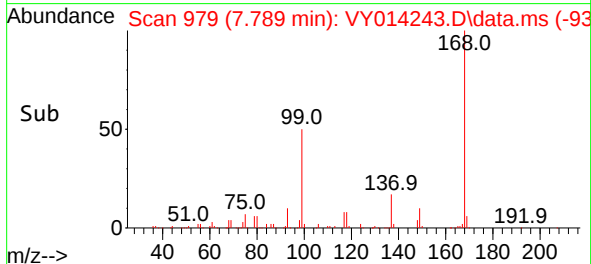
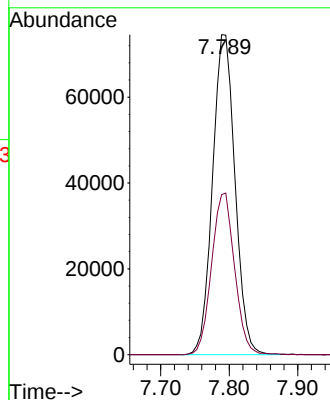
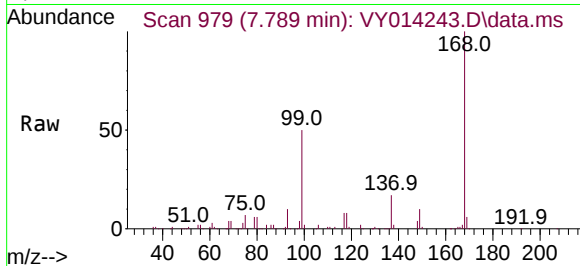




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014243.D
Acq: 19 Jun 2023 21:16

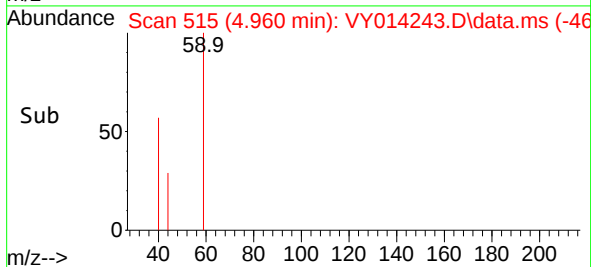
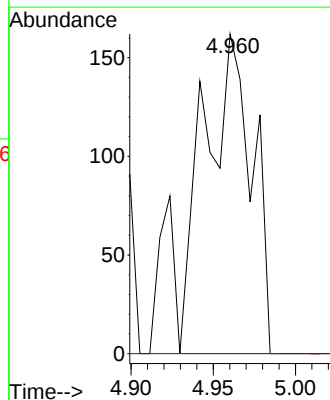
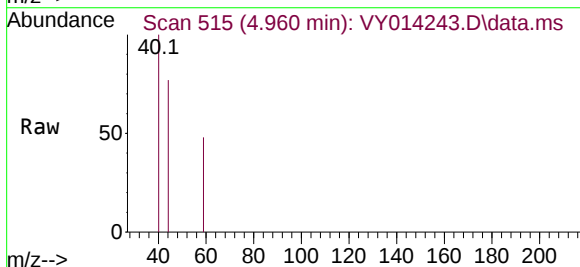
Instrument :
MSVOA_Y
ClientSampleId :
WC-16

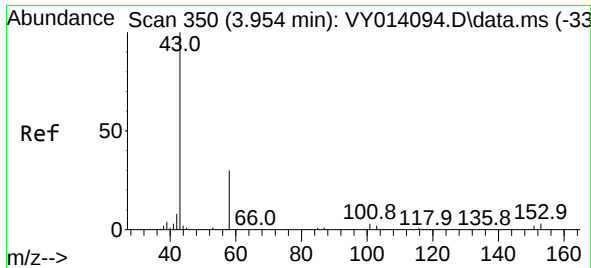
Tgt Ion:168 Resp: 169578
Ion Ratio Lower Upper
168 100
99 50.1 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY014243.D
Acq: 19 Jun 2023 21:16

Tgt Ion: 59 Resp: 329
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

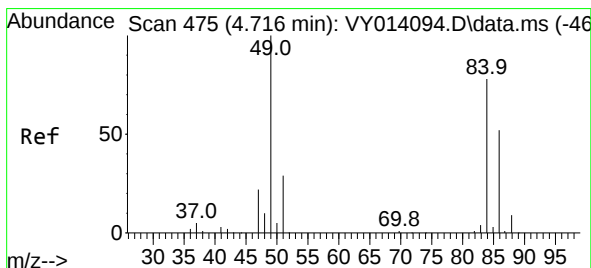
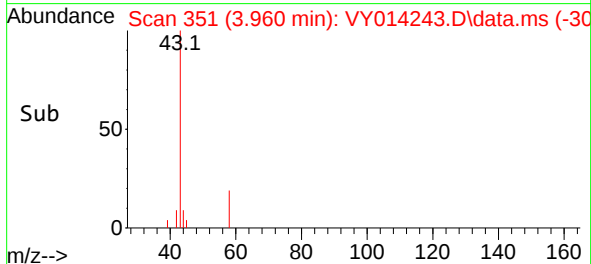
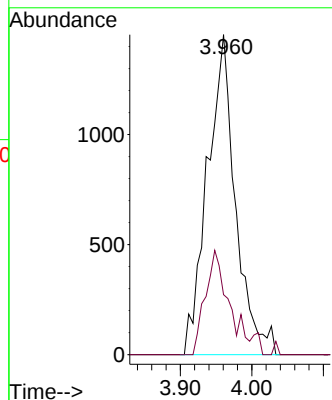
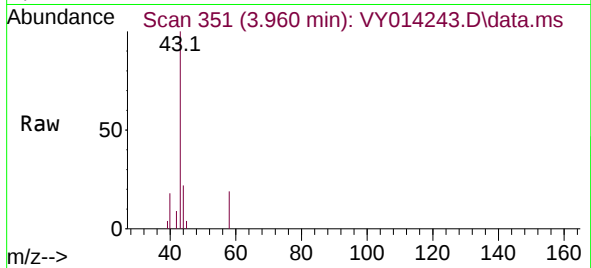




#16
Acetone
Concen: 5.579 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY014243.D
Acq: 19 Jun 2023 21:16

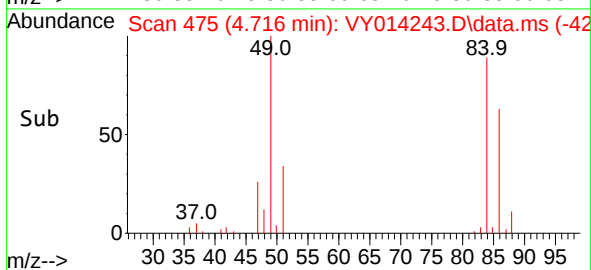
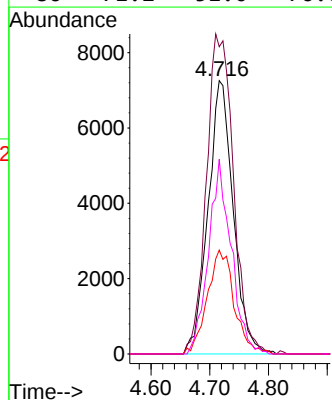
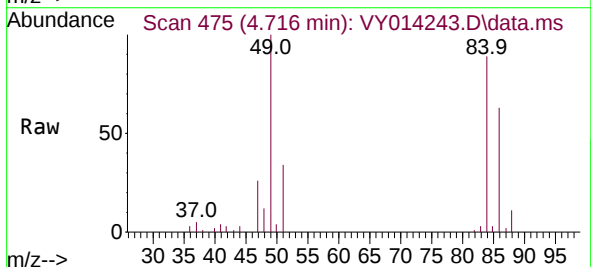
Instrument :
MSVOA_Y
ClientSampleId :
WC-16

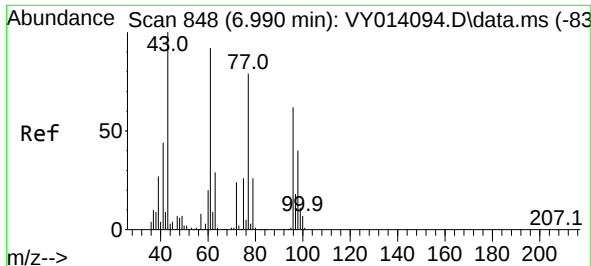
Tgt Ion: 43 Resp: 3971
Ion Ratio Lower Upper
43 100
58 18.7 22.7 34.1#



#20
Methylene Chloride
Concen: 6.388 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY014243.D
Acq: 19 Jun 2023 21:16

Tgt Ion: 84 Resp: 21622
Ion Ratio Lower Upper
84 100
49 112.4 106.9 160.3
51 38.0 33.2 49.8
86 71.2 51.0 76.6

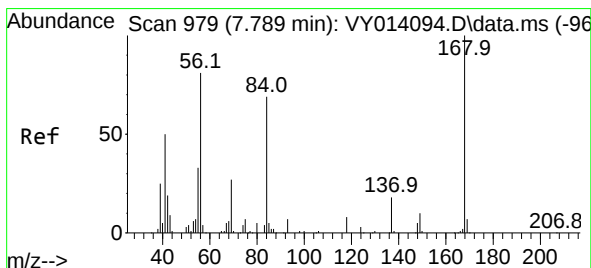
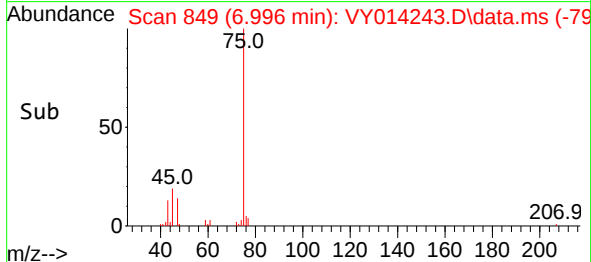
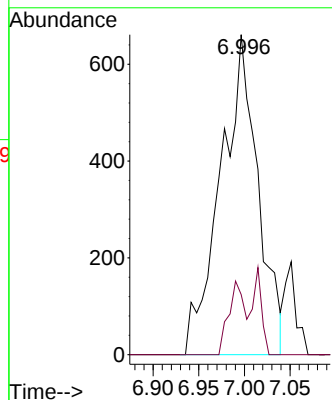
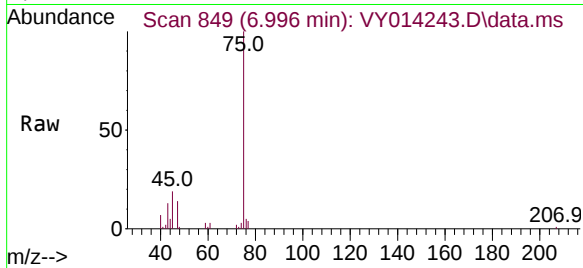




#25
2-Butanone
Concen: 2.139 ug/l
RT: 6.996 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY014243.D
Acq: 19 Jun 2023 21:16

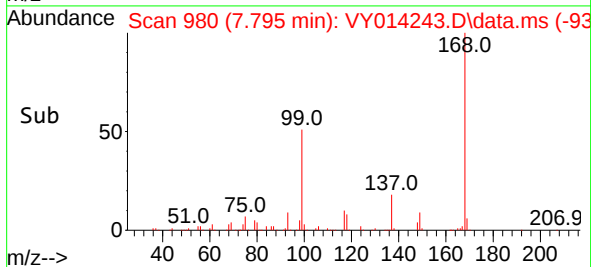
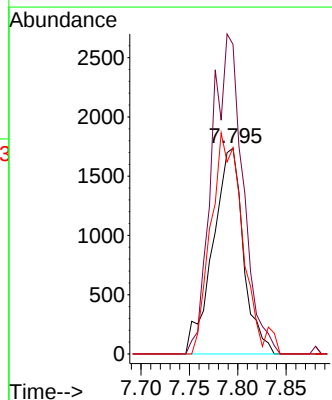
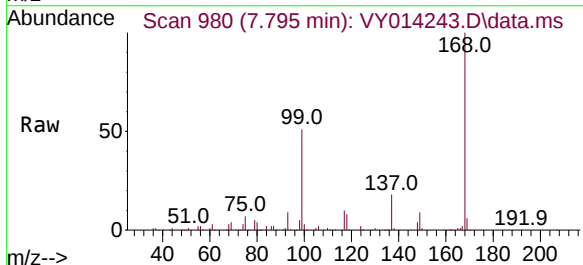
Instrument :
MSVOA_Y
ClientSampleId :
WC-16

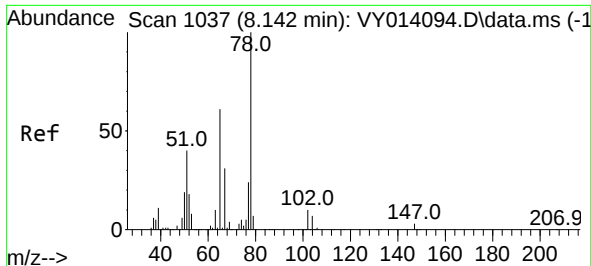
Tgt Ion: 43 Resp: 1874
Ion Ratio Lower Upper
43 100
72 18.8 20.5 30.7#



#31
Cyclohexane
Concen: 1.202 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY014243.D
Acq: 19 Jun 2023 21:16

Tgt Ion: 56 Resp: 3802
Ion Ratio Lower Upper
56 100
69 150.5 27.8 41.6#
84 100.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 48.128 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.001 min

Lab File: VY014243.D

Acq: 19 Jun 2023 21:16

Instrument :

MSVOA_Y

ClientSampleId :

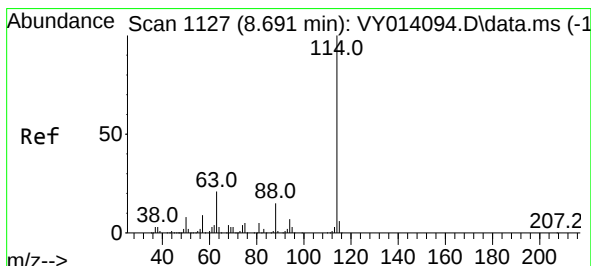
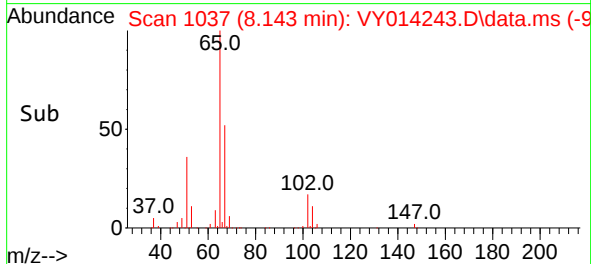
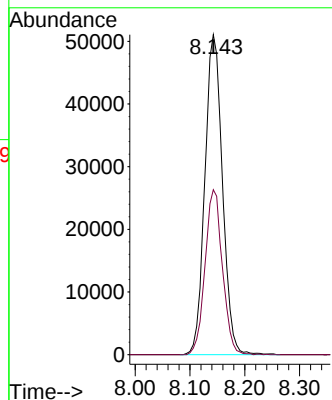
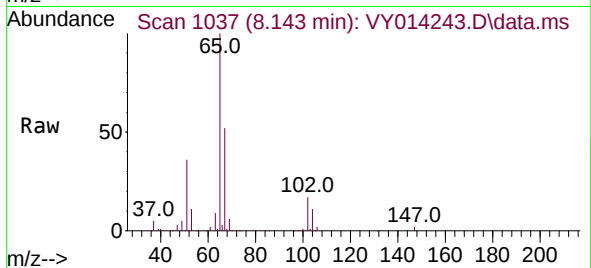
WC-16

Tgt Ion: 65 Resp: 113649

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014243.D

Acq: 19 Jun 2023 21:16

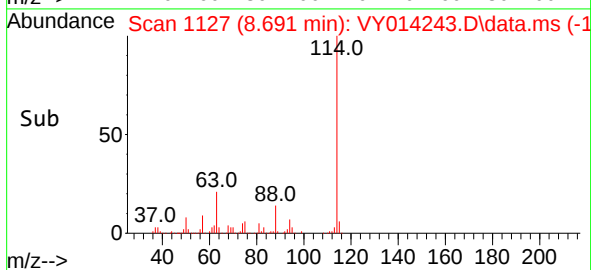
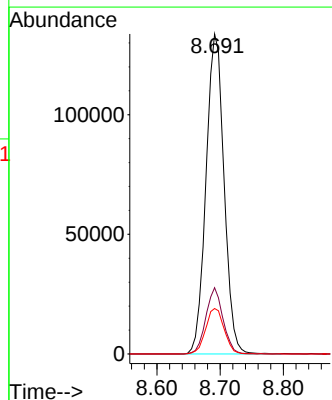
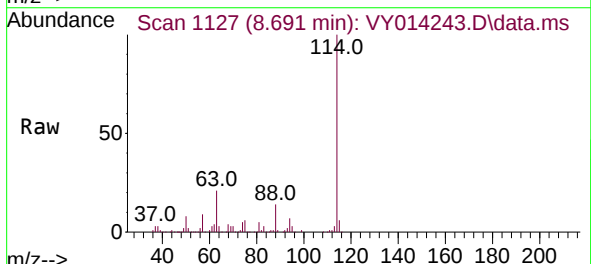
Tgt Ion: 114 Resp: 265061

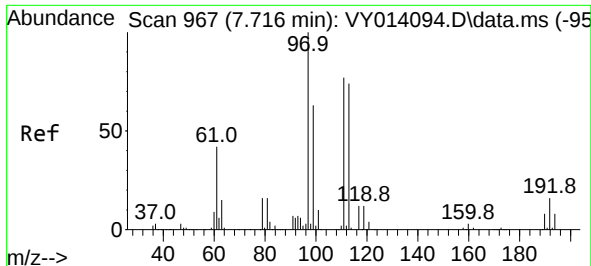
Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.4

88 14.2 0.0 30.6

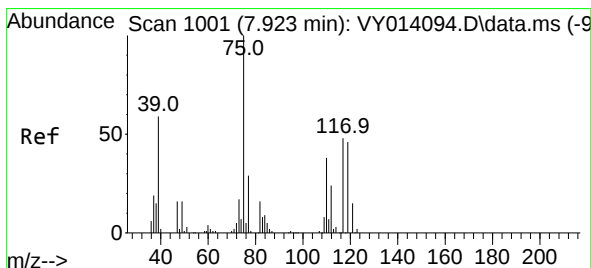
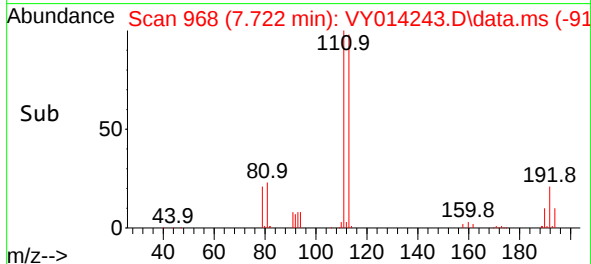
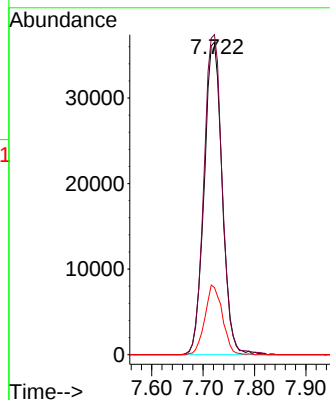
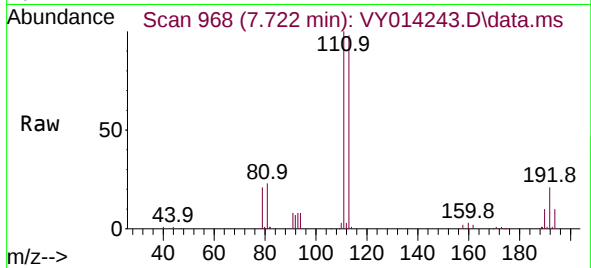




#35
Dibromofluoromethane
Concen: 47.257 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY014243.D
Acq: 19 Jun 2023 21:16

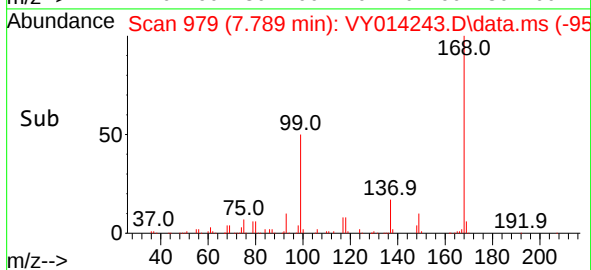
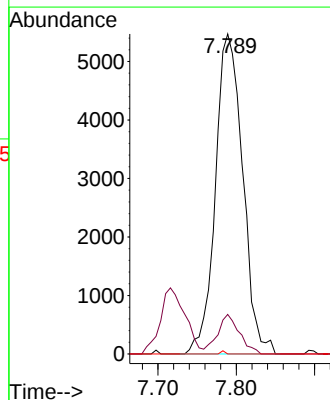
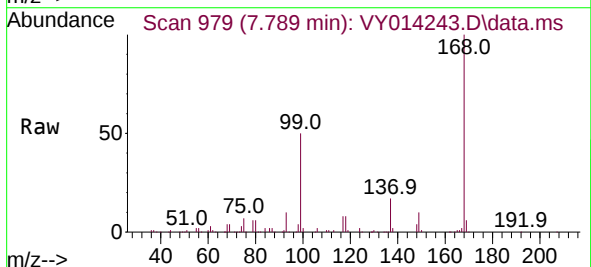
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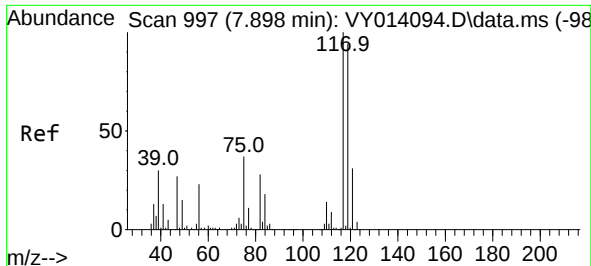
Tgt Ion:113 Resp: 88832
Ion Ratio Lower Upper
113 100
111 103.9 81.3 121.9
192 21.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.518 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014243.D
Acq: 19 Jun 2023 21:16

Tgt Ion: 75 Resp: 13241
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.5#
77 0.2 24.4 36.6#

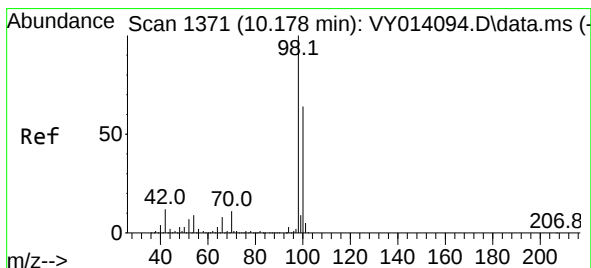
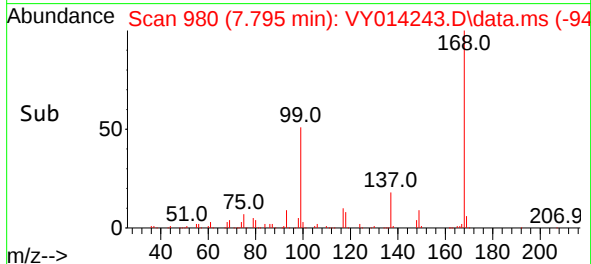
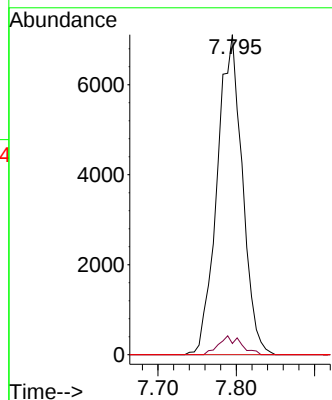
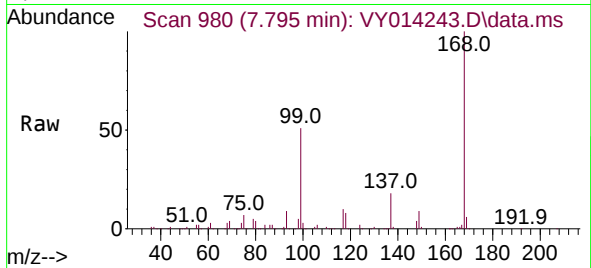




#38
Carbon Tetrachloride
Concen: 4.707 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY014243.D
Acq: 19 Jun 2023 21:16

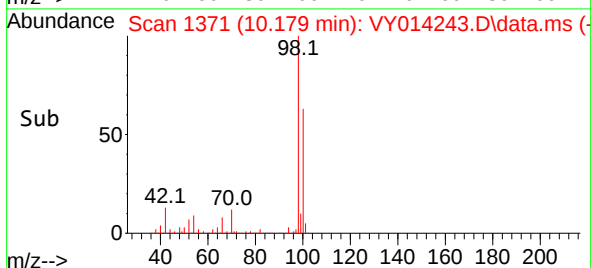
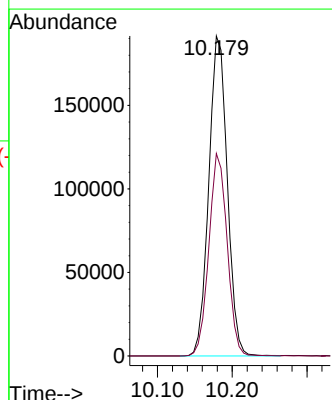
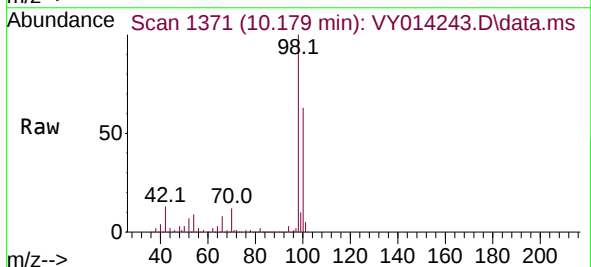
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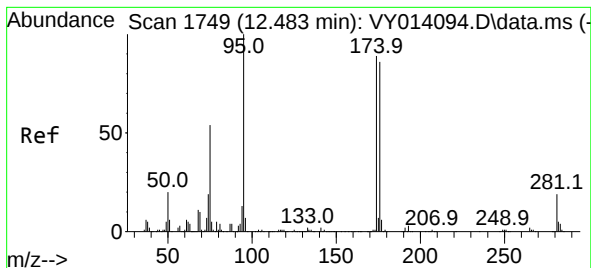
Tgt Ion:117 Resp: 15919
Ion Ratio Lower Upper
117 100
119 3.5 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 46.910 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014243.D
Acq: 19 Jun 2023 21:16

Tgt Ion: 98 Resp: 329669
Ion Ratio Lower Upper
98 100
100 62.6 50.1 75.1

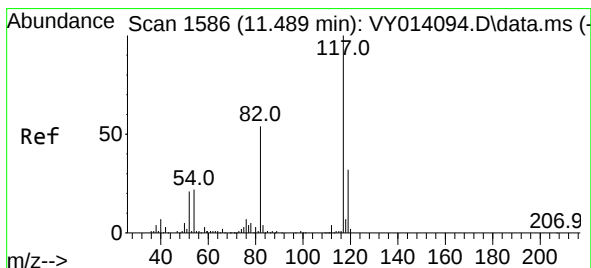
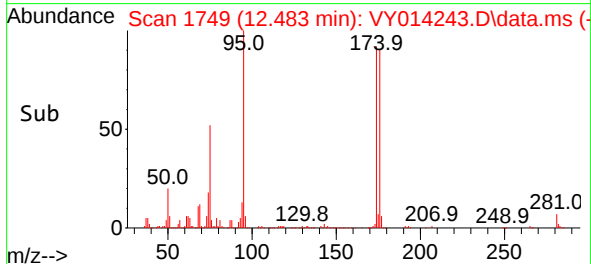
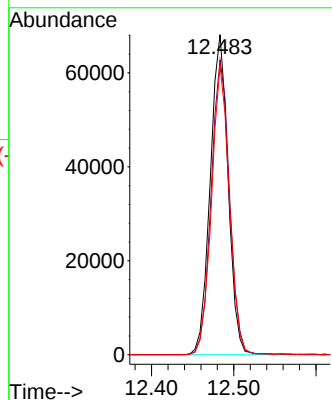
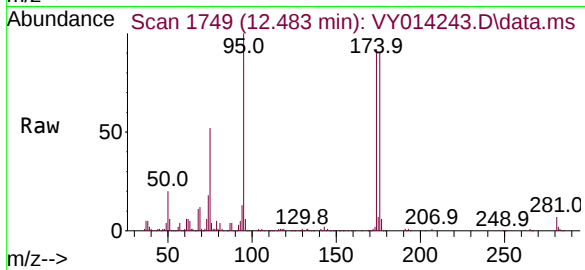




#62
4-Bromofluorobenzene
Concen: 41.250 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014243.D
Acq: 19 Jun 2023 21:16

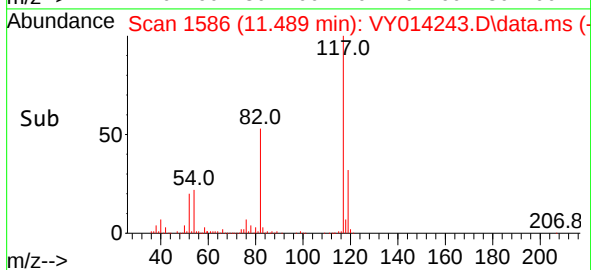
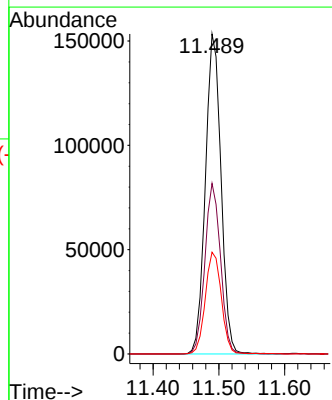
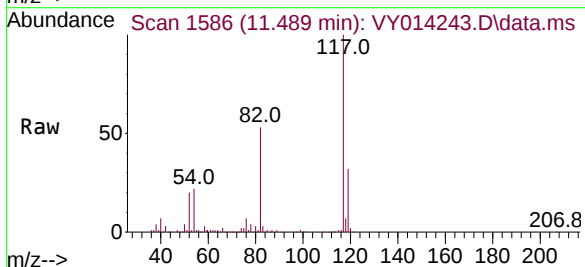
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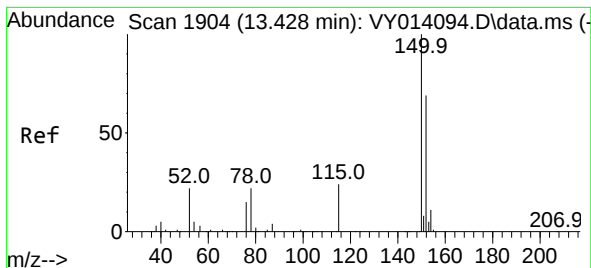
Tgt Ion: 95 Resp: 102977
Ion Ratio Lower Upper
95 100
174 94.8 0.0 178.2
176 90.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014243.D
Acq: 19 Jun 2023 21:16

Tgt Ion: 117 Resp: 253364
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.0
119 31.8 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014243.D

Acq: 19 Jun 2023 21:16

Instrument :

MSVOA_Y

ClientSampleId :

WC-16

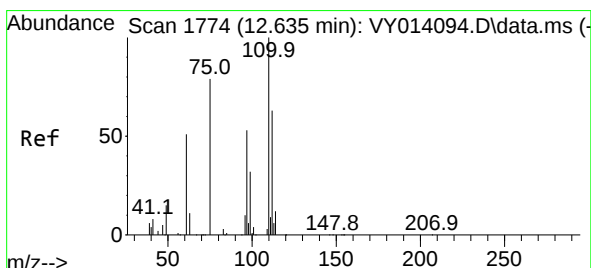
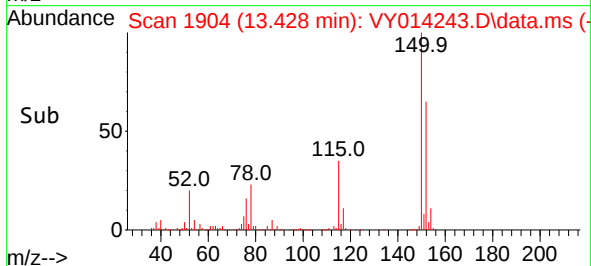
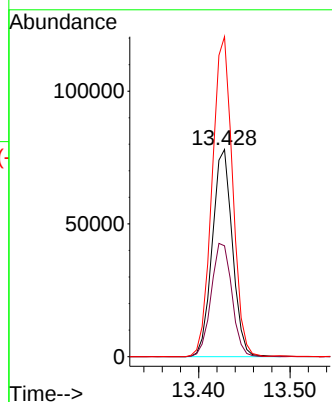
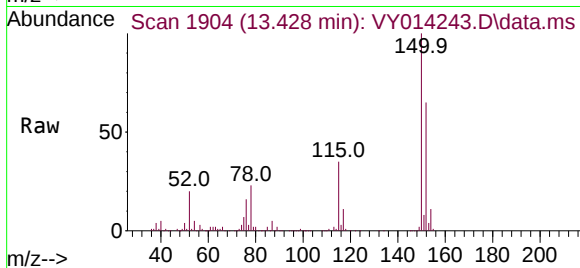
Tgt Ion:152 Resp: 119163

Ion Ratio Lower Upper

152 100

115 56.4 28.8 86.5

150 156.7 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 36.121 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014243.D

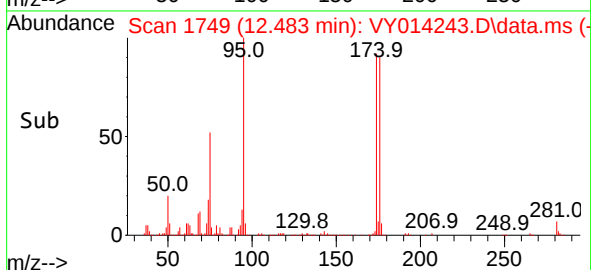
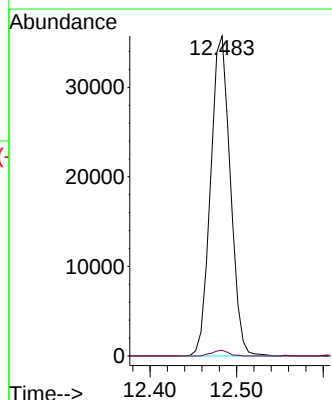
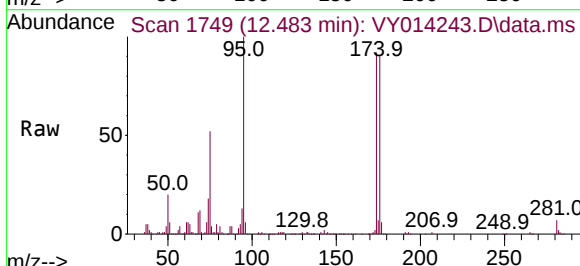
Acq: 19 Jun 2023 21:16

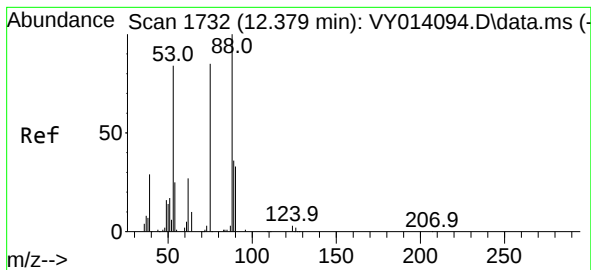
Tgt Ion: 75 Resp: 56472

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.081 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014243.D
 Acq: 19 Jun 2023 21:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-16

Tgt Ion: 75 Resp: 56472
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

