

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
 Data File : VY012445.D
 Acq On : 01 Feb 2023 16:26
 Operator : KP/MD
 Sample : 01386-13
 Misc : 6.48g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JPP-15-013123

Quant Time: Feb 01 23:06:24 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)

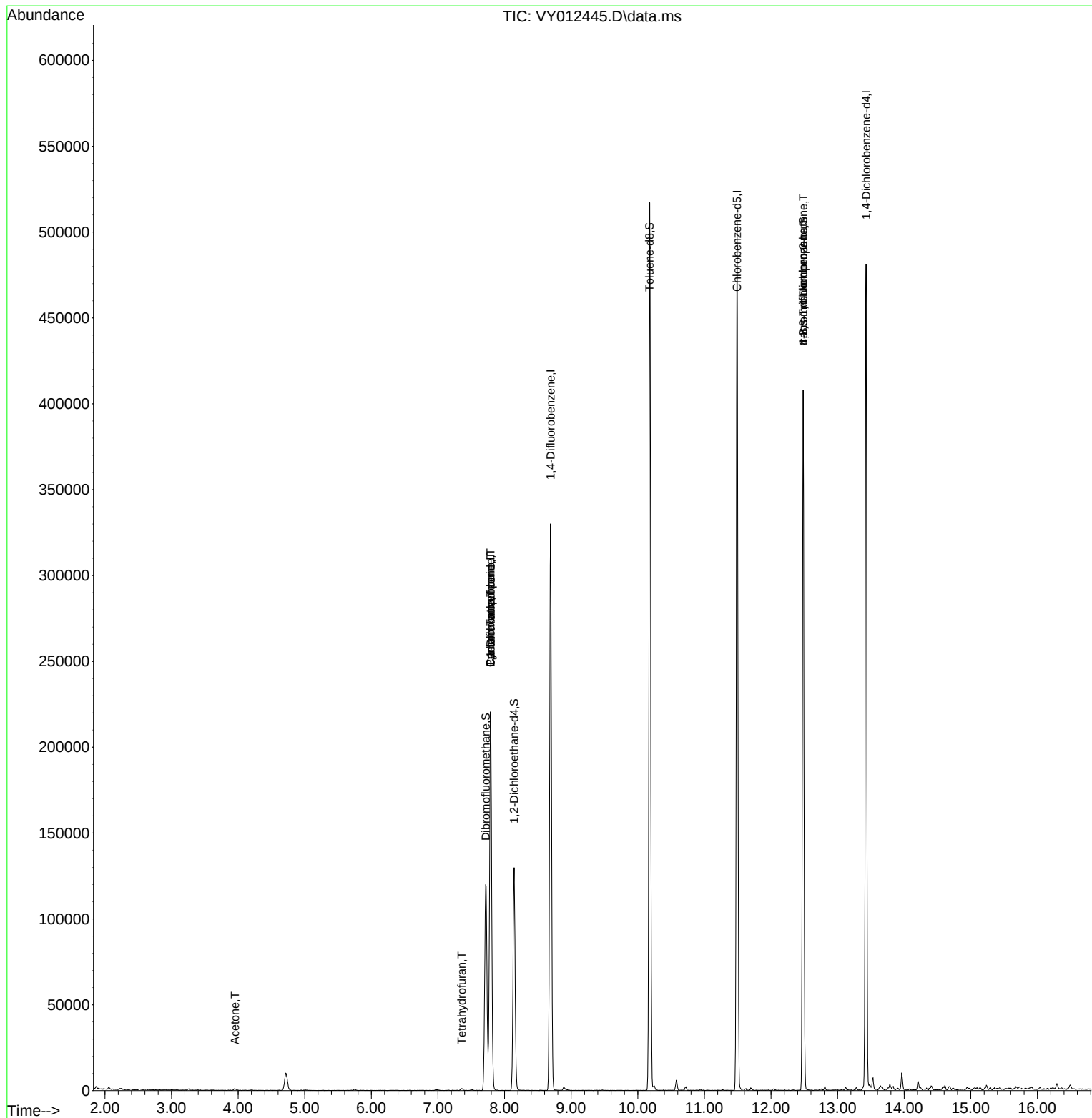
Internal Standards						
1) Pentafluorobenzene	7.789	168	173002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	291641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	282836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129667	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	106235	76.139	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	152.280%
35) Dibromofluoromethane	7.716	113	83770	54.247	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.500%
50) Toluene-d8	10.179	98	348017	66.471	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	132.940%
62) 4-Bromofluorobenzene	12.483	95	116568	53.548	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	107.100%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	84	Below Cal	#	74
16) Acetone	3.954	43	1621	3.365	ug/l #	87
20) Methylene Chloride	4.716	84	7930	Below Cal	#	85
29) Tetrahydrofuran	7.356	42	770	2.636	ug/l	92
31) Cyclohexane	7.789	56	3179	1.260	ug/l #	13
36) 1,1-Dichloropropene	7.789	75	11759	4.481	ug/l #	50
38) Carbon Tetrachloride	7.789	117	16898	4.985	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	62790	52.661	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	62790	108.506	ug/l #	13

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

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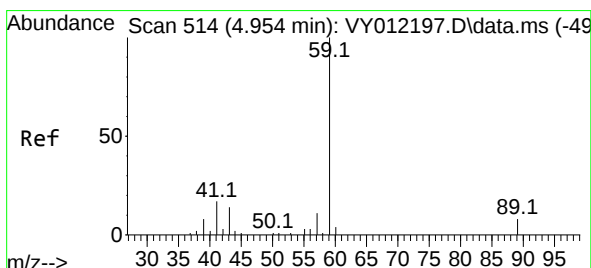
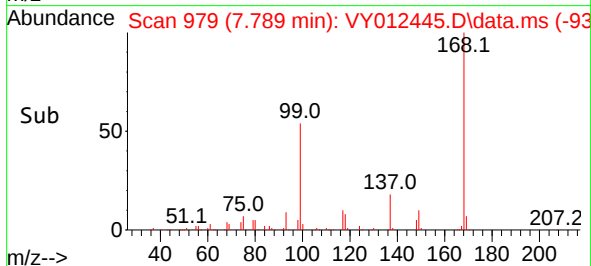
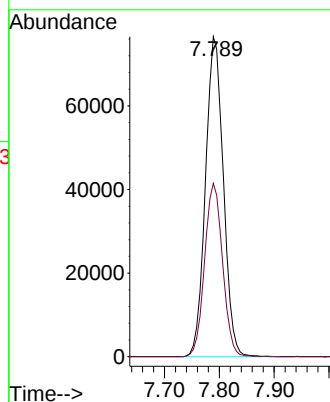
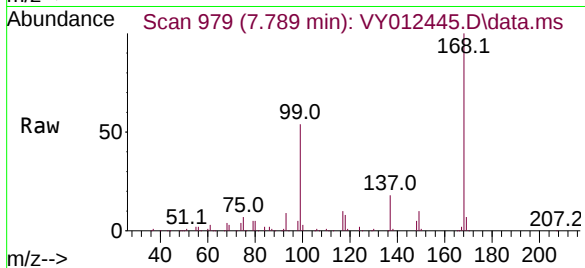




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012445.D
Acq: 01 Feb 2023 16:26

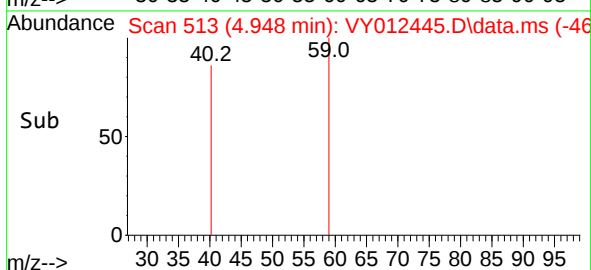
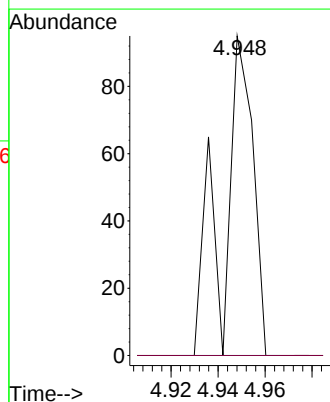
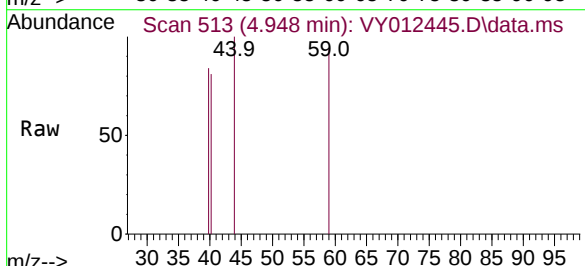
Instrument :
MSVOA_Y
ClientSampleId :
JPP-15-013123

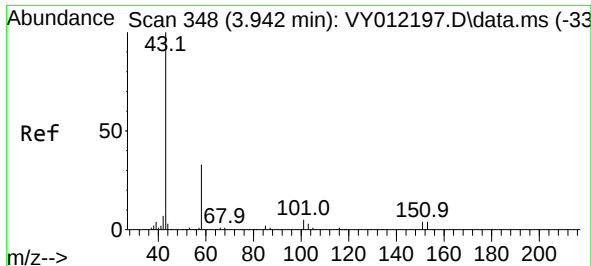
Tgt Ion:168 Resp: 173002
Ion Ratio Lower Upper
168 100
99 54.2 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY012445.D
Acq: 01 Feb 2023 16:26

Tgt Ion: 59 Resp: 84
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 3.365 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY012445.D

Acq: 01 Feb 2023 16:26

Instrument :

MSVOA_Y

ClientSampleId :

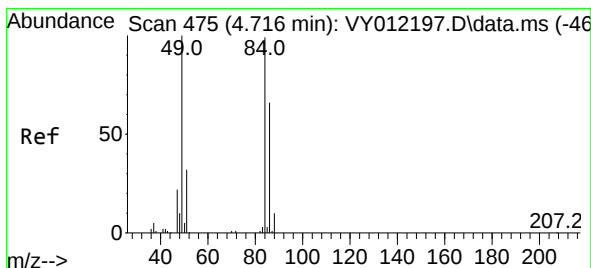
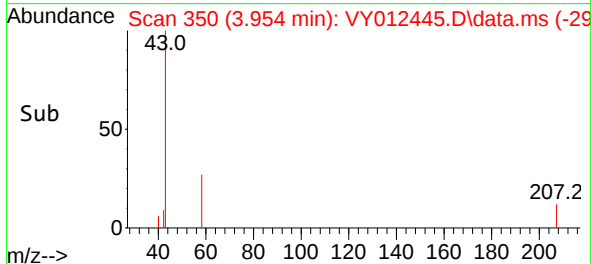
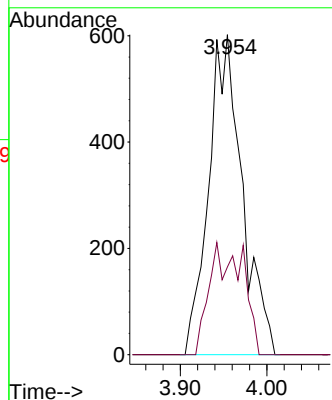
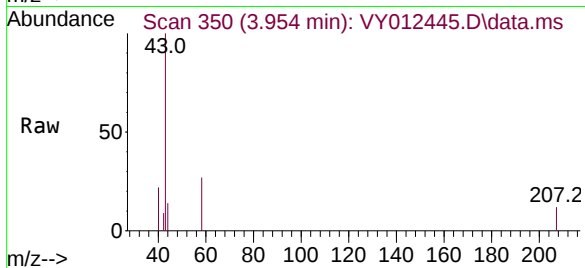
JPP-15-013123

Tgt Ion: 43 Resp: 1621

Ion Ratio Lower Upper

43 100

58 27.4 27.9 41.9#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012445.D

Acq: 01 Feb 2023 16:26

Tgt Ion: 84 Resp: 7930

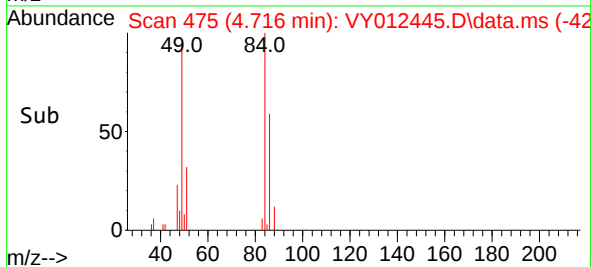
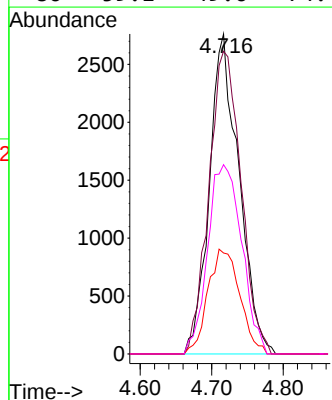
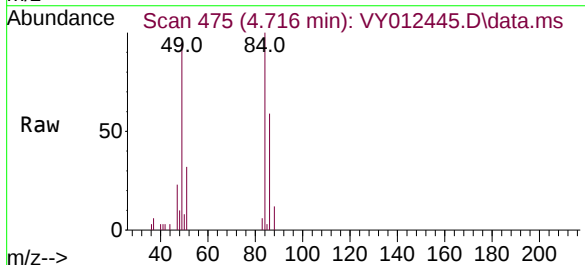
Ion Ratio Lower Upper

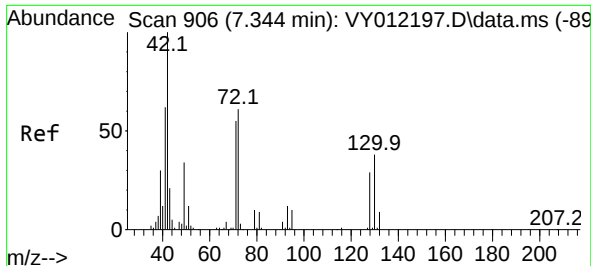
84 100

49 94.6 95.4 143.2#

51 31.6 29.9 44.9

86 59.1 49.6 74.4





#29

Tetrahydrofuran

Concen: 2.636 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY012445.D

Acq: 01 Feb 2023 16:26

Instrument :

MSVOA_Y

ClientSampleId :

JPP-15-013123

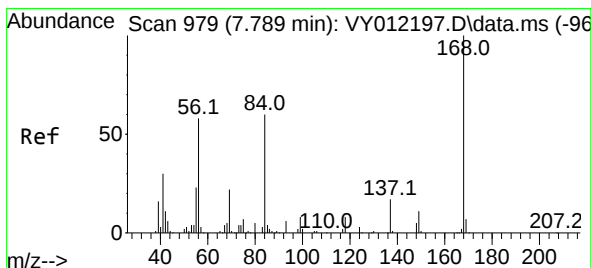
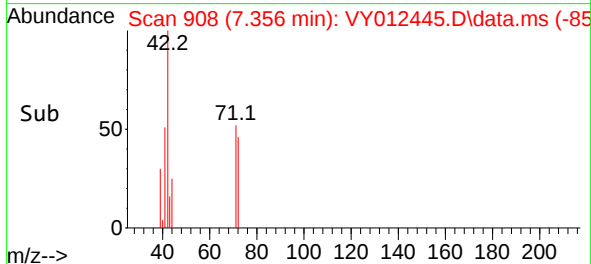
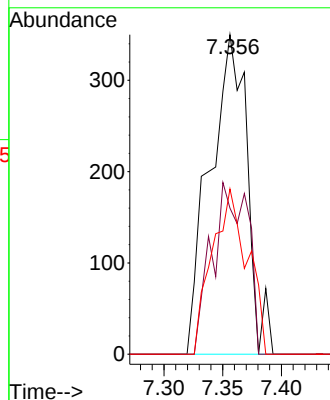
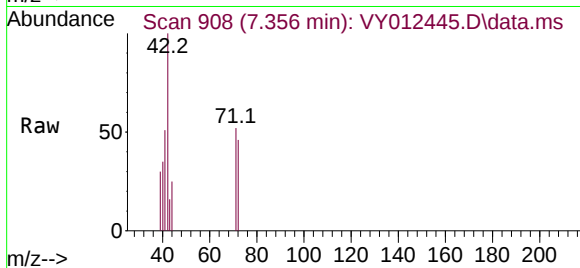
Tgt Ion: 42 Resp: 770

Ion Ratio Lower Upper

42 100

72 51.3 37.0 55.6

71 49.2 34.9 52.3



#31

Cyclohexane

Concen: 1.260 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012445.D

Acq: 01 Feb 2023 16:26

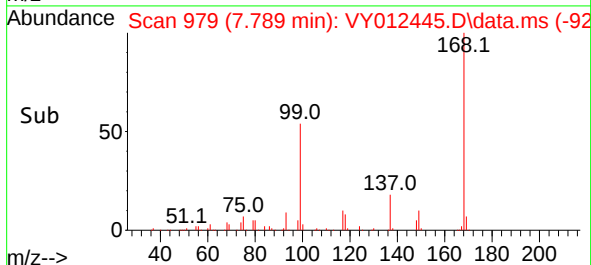
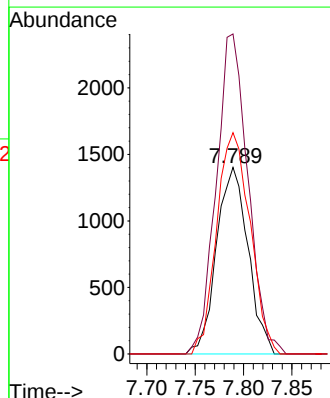
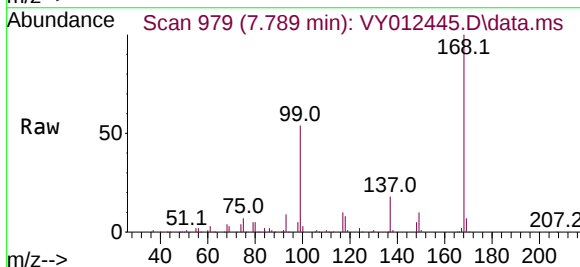
Tgt Ion: 56 Resp: 3179

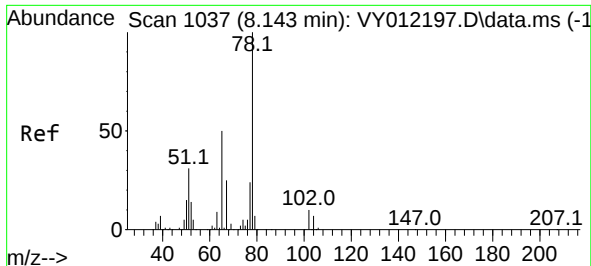
Ion Ratio Lower Upper

56 100

69 171.5 29.2 43.8#

84 118.6 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 76.139 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012445.D

Acq: 01 Feb 2023 16:26

Instrument :

MSVOA_Y

ClientSampleId :

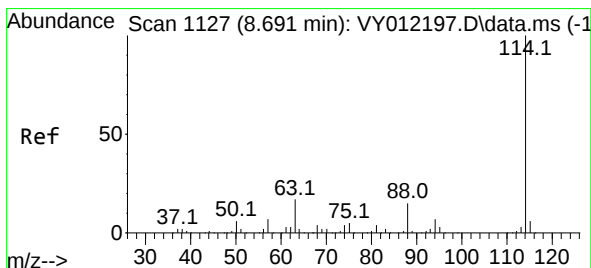
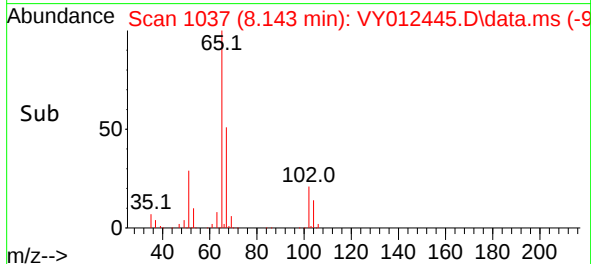
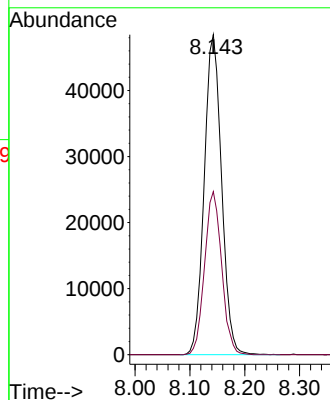
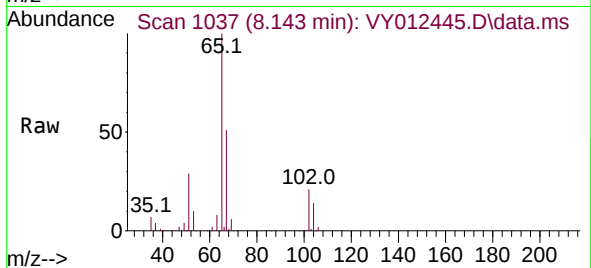
JPP-15-013123

Tgt Ion: 65 Resp: 106235

Ion Ratio Lower Upper

65 100

67 50.1 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: VY012445.D

Acq: 01 Feb 2023 16:26

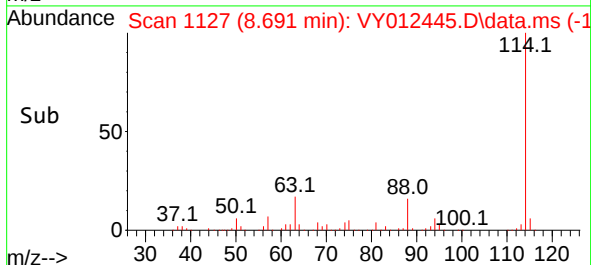
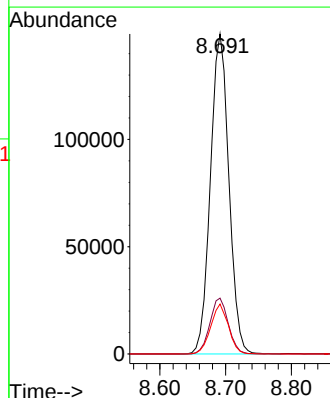
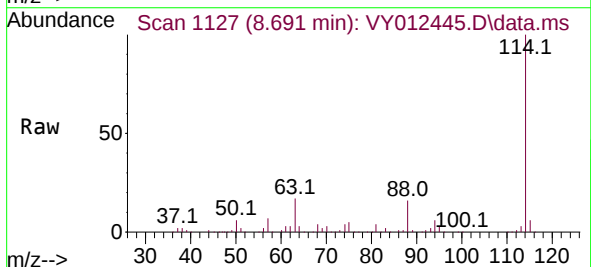
Tgt Ion: 114 Resp: 291641

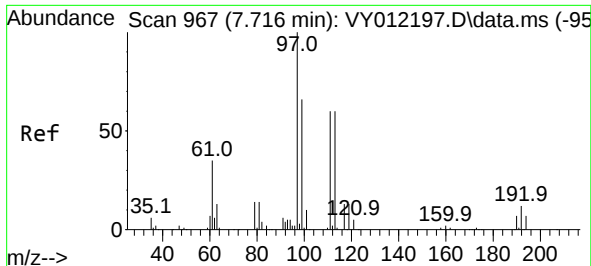
Ion Ratio Lower Upper

114 100

63 17.4 0.0 39.6

88 15.6 0.0 32.2

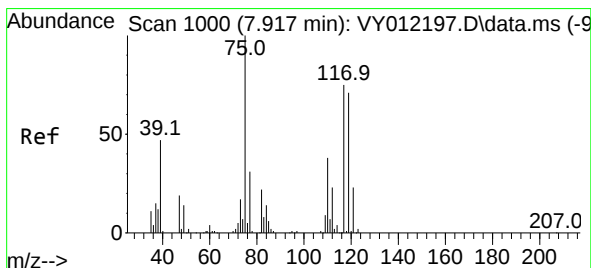
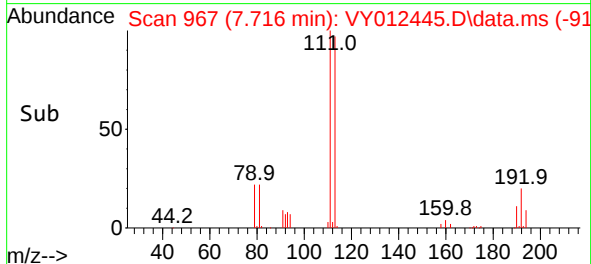
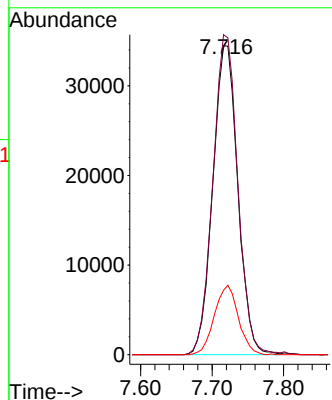
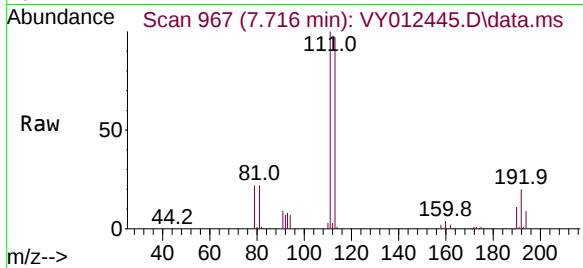




#35
Dibromofluoromethane
Concen: 54.247 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY012445.D
Acq: 01 Feb 2023 16:26

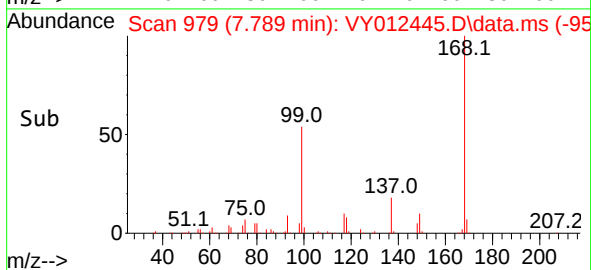
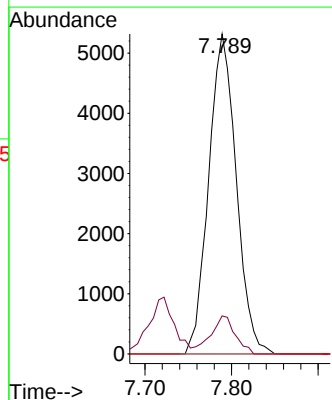
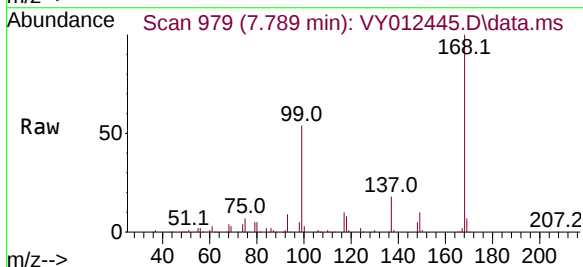
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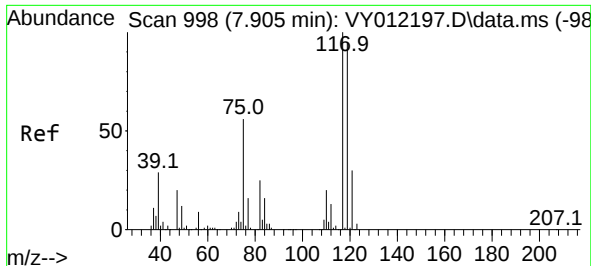
Tgt Ion:113 Resp: 83770
Ion Ratio Lower Upper
113 100
111 103.3 83.0 124.4
192 21.5 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.481 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012445.D
Acq: 01 Feb 2023 16:26

Tgt Ion: 75 Resp: 11759
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.1#
77 0.0 25.1 37.7#

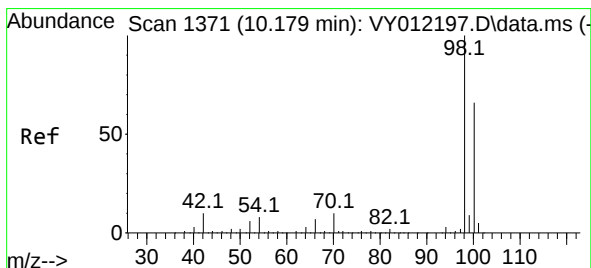
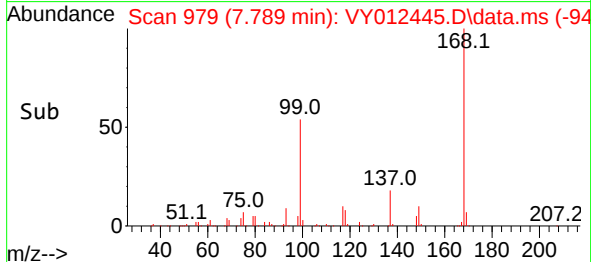
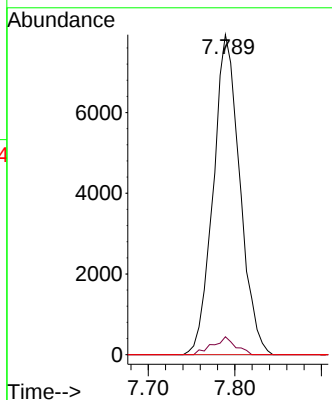
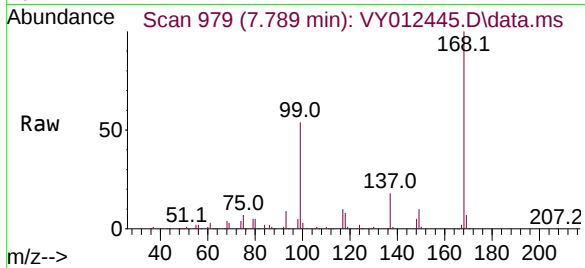




#38
Carbon Tetrachloride
Concen: 4.985 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012445.D
Acq: 01 Feb 2023 16:26

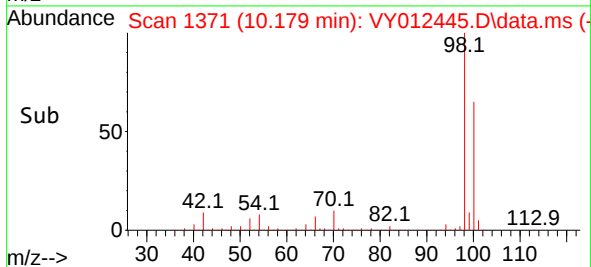
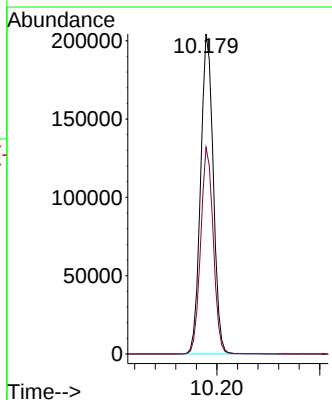
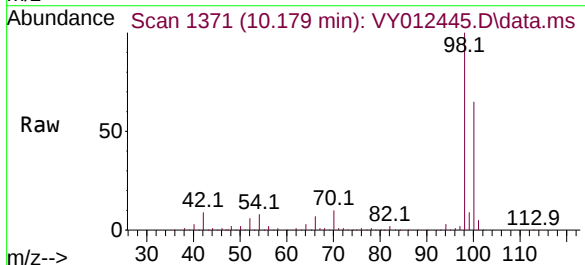
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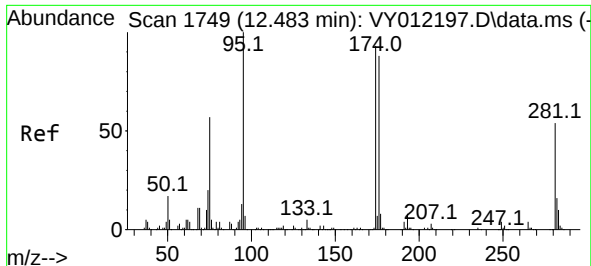
Tgt Ion:117 Resp: 16898
Ion Ratio Lower Upper
117 100
119 5.6 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 66.471 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012445.D
Acq: 01 Feb 2023 16:26

Tgt Ion: 98 Resp: 348017
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9

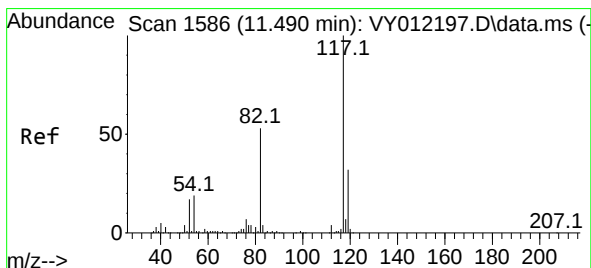
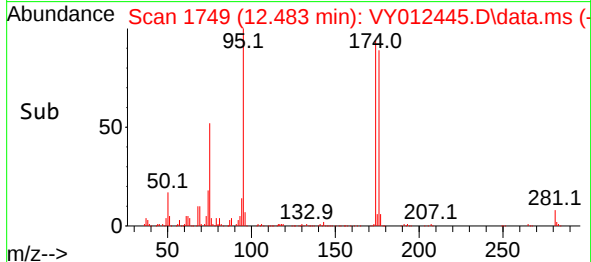
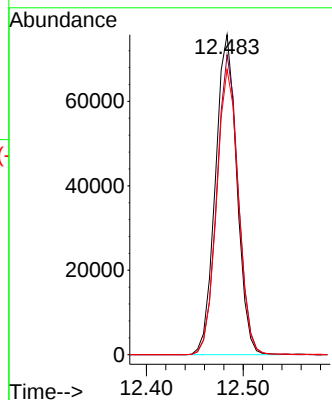
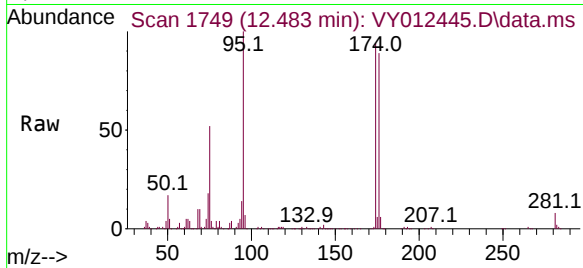




#62
4-Bromofluorobenzene
Concen: 53.548 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012445.D
Acq: 01 Feb 2023 16:26

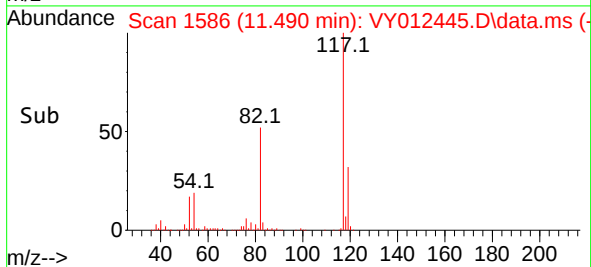
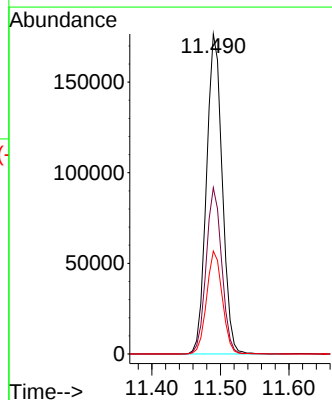
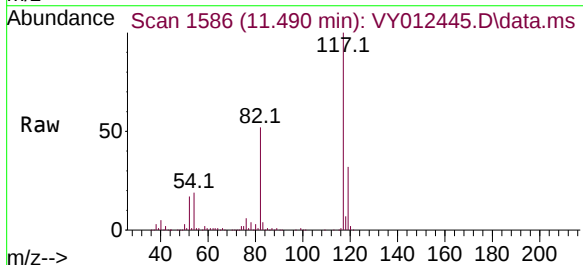
Instrument :
MSVOA_Y
ClientSampleId :
JPP-15-013123

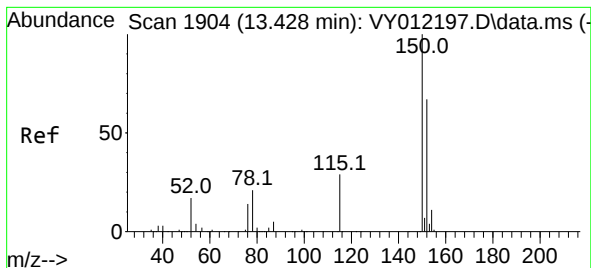
Tgt Ion: 95 Resp: 116568
Ion Ratio Lower Upper
95 100
174 93.6 0.0 172.0
176 90.8 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012445.D
Acq: 01 Feb 2023 16:26

Tgt Ion: 117 Resp: 282836
Ion Ratio Lower Upper
117 100
82 51.9 44.8 67.2
119 32.1 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: VY012445.D

Acq: 01 Feb 2023 16:26

Instrument :

MSVOA_Y

ClientSampleId :

JPP-15-013123

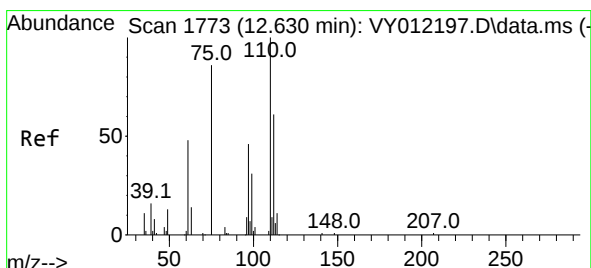
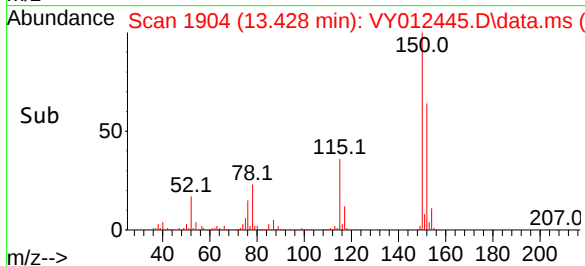
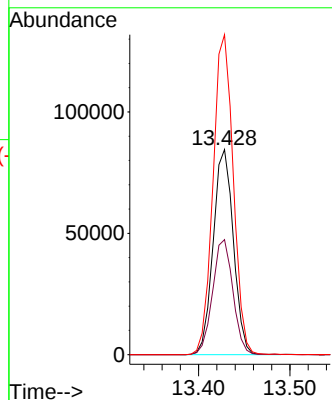
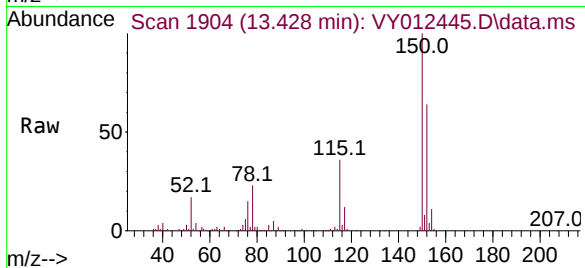
Tgt Ion:152 Resp: 129667

Ion Ratio Lower Upper

152 100

115 56.6 29.1 87.3

150 156.2 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 52.661 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012445.D

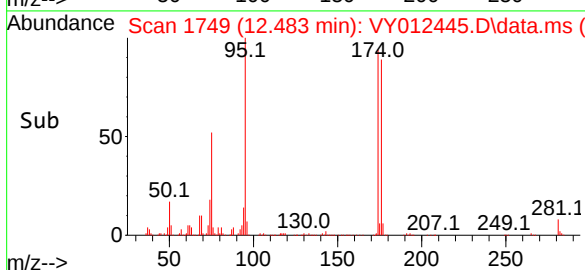
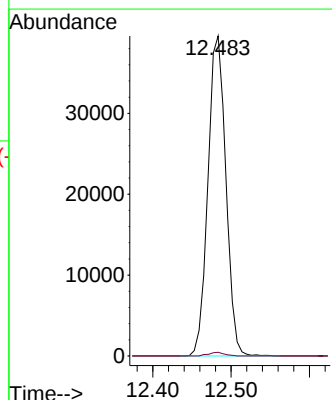
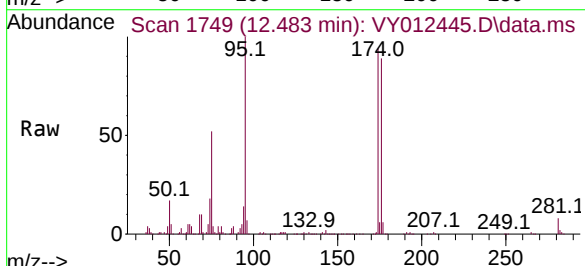
Acq: 01 Feb 2023 16:26

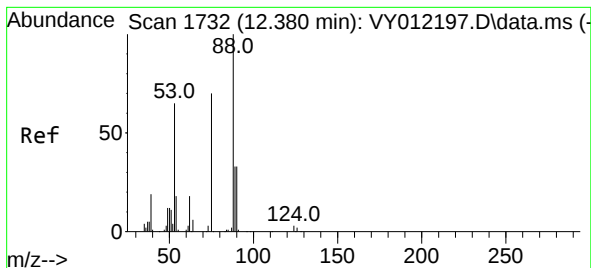
Tgt Ion: 75 Resp: 62790

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 108.506 ug/l

RT: 12.483 min Scan# 11

Delta R.T. 0.109 min

Lab File: VY012445.D

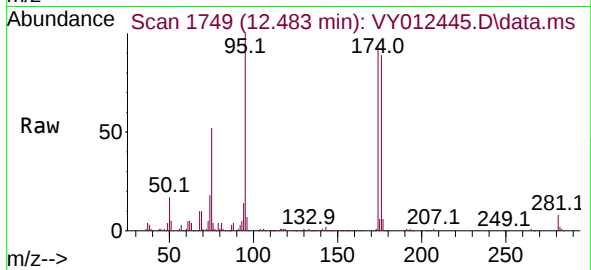
Acq: 01 Feb 2023 16:26

Instrument :

MSVOA_Y

ClientSampleId :

JPP-15-013123



Tgt Ion: 75 Resp: 62790

Ion Ratio Lower Upper

75 100

53 0.0 72.5 108.7#

89 0.0 37.0 55.4#

