

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121522\
 Data File : VY011867.D
 Acq On : 15 Dec 2022 13:29
 Operator : KP/MD
 Sample : N6026-02
 Misc : 3.14g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-29-SB02

Quant Time: Dec 16 00:14:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

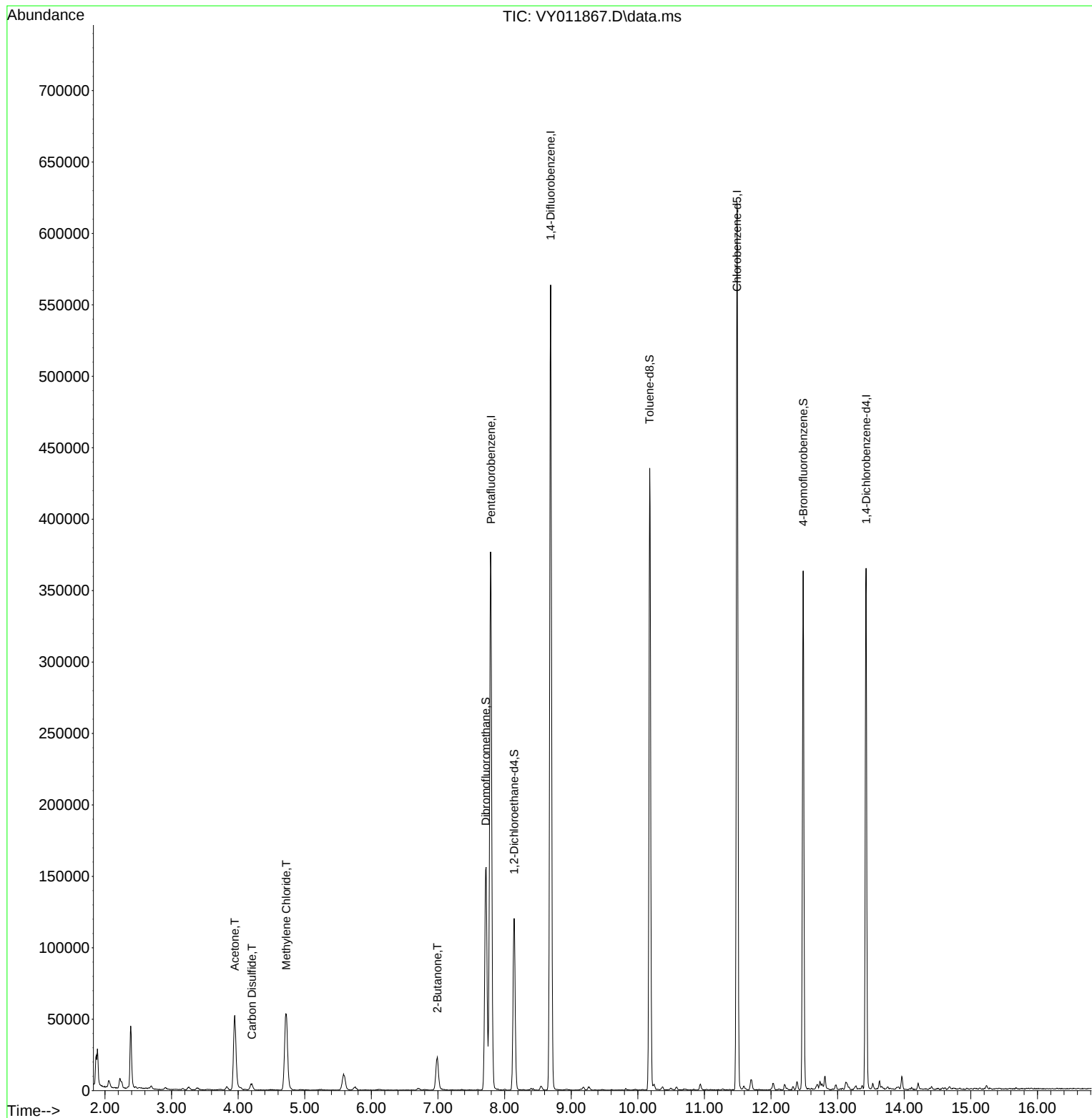
Internal Standards						
1) Pentafluorobenzene	7.795	168	291925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	477151	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	335652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	95805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	95825	47.903	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.800%
35) Dibromofluoromethane	7.716	113	113237	53.703	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.400%
50) Toluene-d8	10.179	98	292588	40.886	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	81.780%
62) 4-Bromofluorobenzene	12.483	95	108015	37.944	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	75.880%
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	89827	112.691	ug/l	100
17) Carbon Disulfide	4.204	76	8261	1.674	ug/l	96
20) Methylene Chloride	4.722	84	42984	10.508	ug/l	97
25) 2-Butanone	6.990	43	34793	33.933	ug/l	93

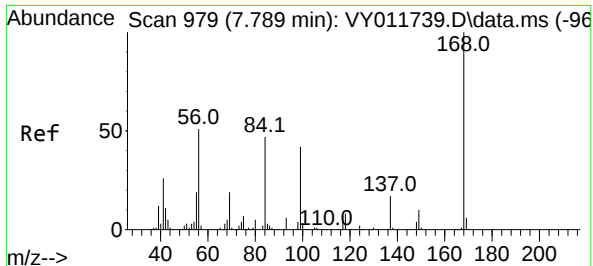
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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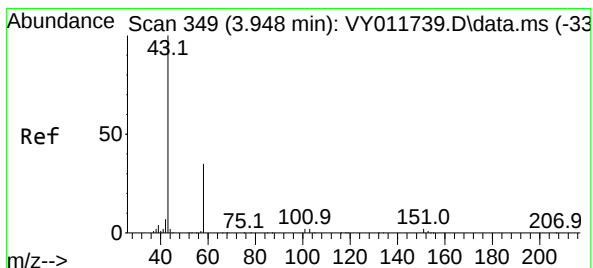
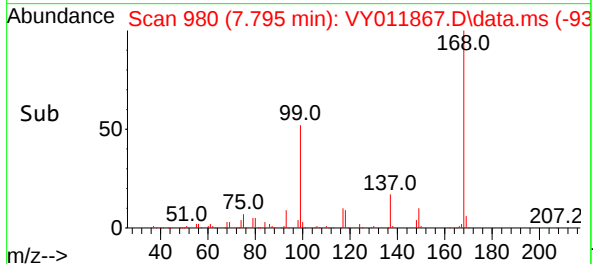
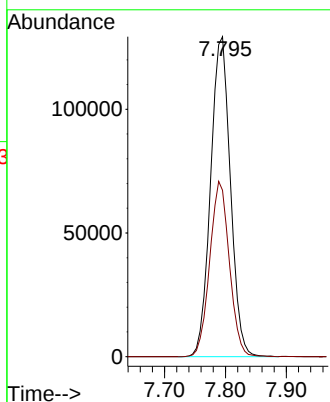
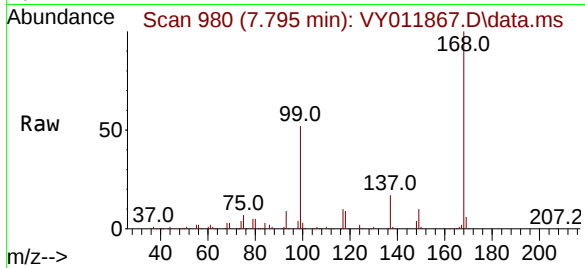




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011867.D
Acq: 15 Dec 2022 13:29

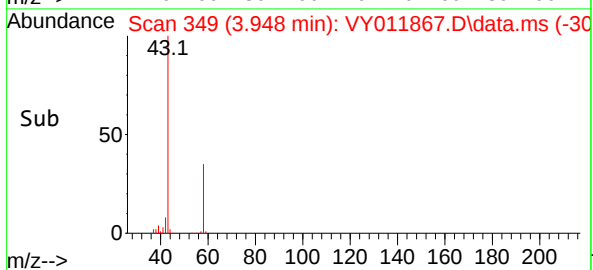
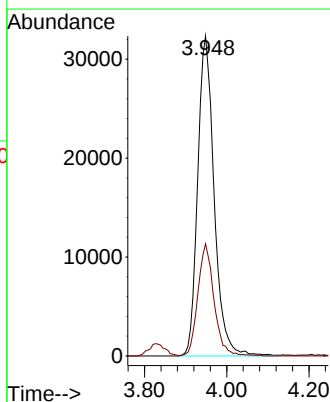
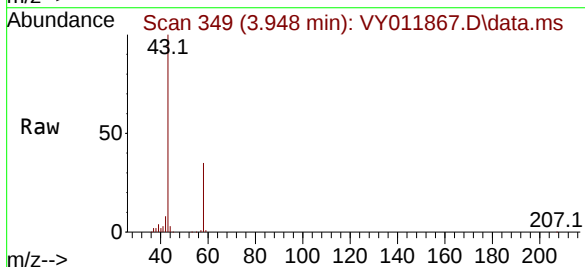
Instrument :
MSVOA_Y
ClientSampleId :
B-29-SB02

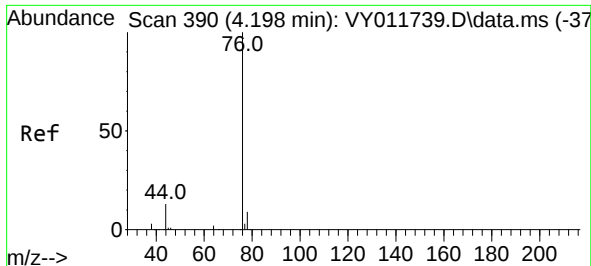
Tgt Ion:168 Resp: 291925
Ion Ratio Lower Upper
168 100
99 52.0 44.0 66.0



#16
Acetone
Concen: 112.691 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY011867.D
Acq: 15 Dec 2022 13:29

Tgt Ion: 43 Resp: 89827
Ion Ratio Lower Upper
43 100
58 35.0 27.9 41.9





#17

Carbon Disulfide

Concen: 1.674 ug/l

RT: 4.204 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY011867.D

Acq: 15 Dec 2022 13:29

Instrument :

MSVOA_Y

ClientSampleId :

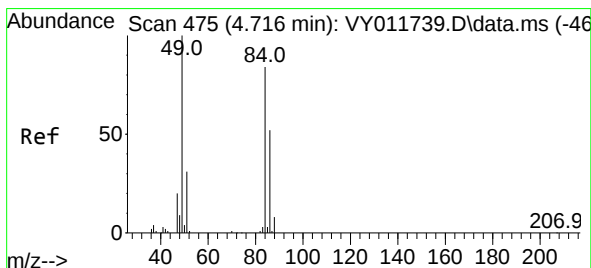
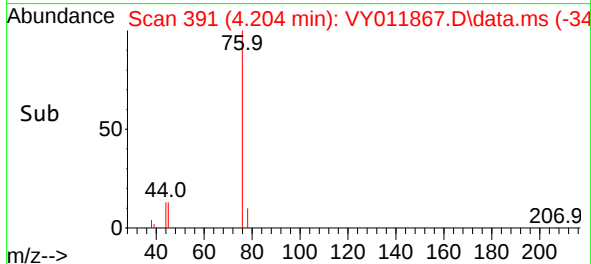
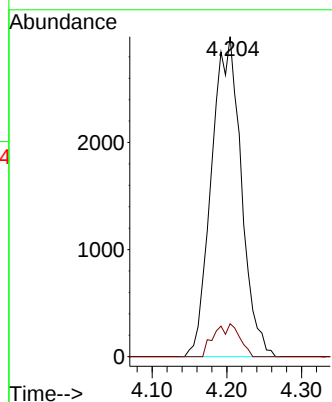
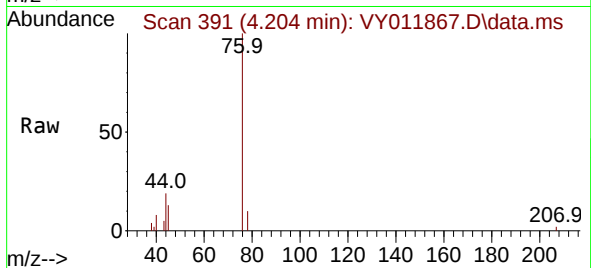
B-29-SB02

Tgt Ion: 76 Resp: 8261

Ion Ratio Lower Upper

76 100

78 10.3 7.2 10.8



#20

Methylene Chloride

Concen: 10.508 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY011867.D

Acq: 15 Dec 2022 13:29

Tgt Ion: 84 Resp: 42984

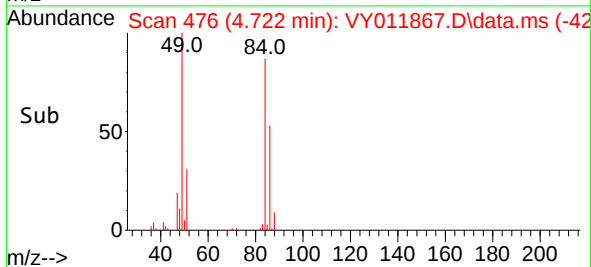
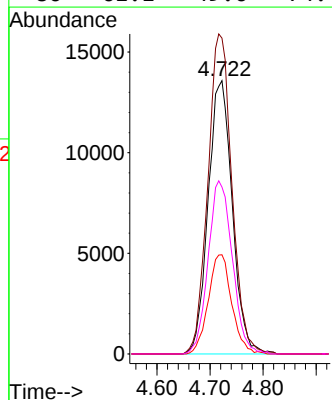
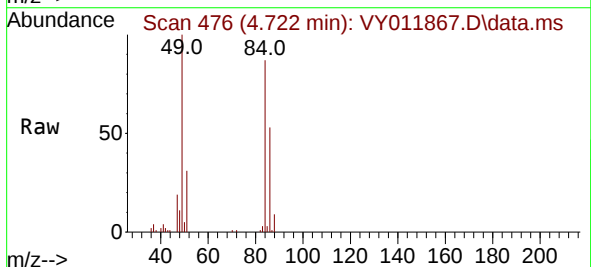
Ion Ratio Lower Upper

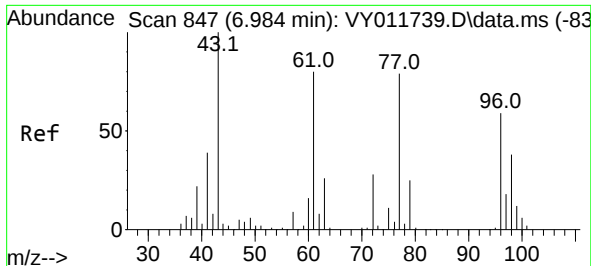
84 100

49 115.6 95.4 143.2

51 36.3 29.9 44.9

86 61.1 49.6 74.4





#25

2-Butanone

Concen: 33.933 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY011867.D

Acq: 15 Dec 2022 13:29

Instrument :

MSVOA_Y

ClientSampleId :

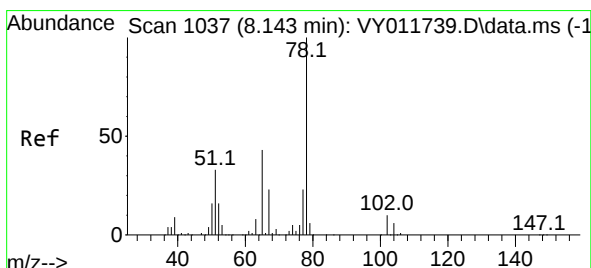
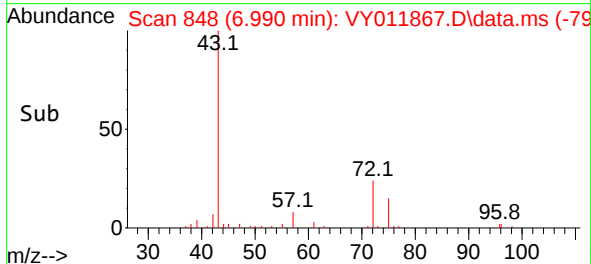
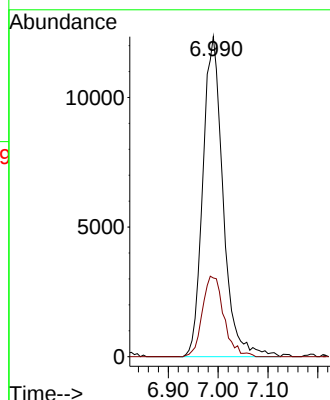
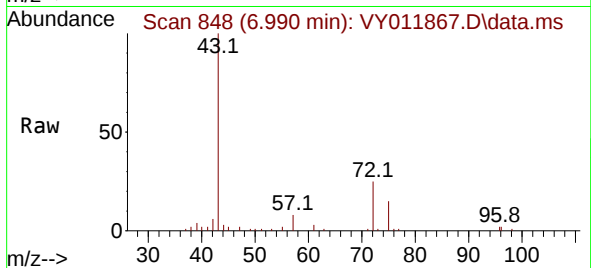
B-29-SB02

Tgt Ion: 43 Resp: 34793

Ion Ratio Lower Upper

43 100

72 24.6 22.6 34.0



#33

1,2-Dichloroethane-d4

Concen: 47.903 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011867.D

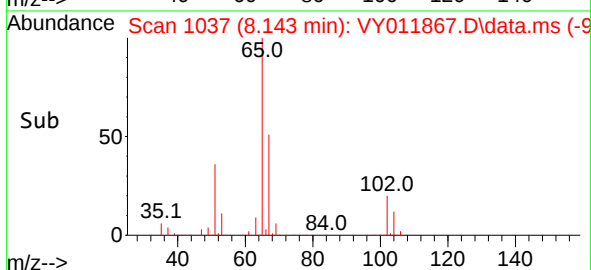
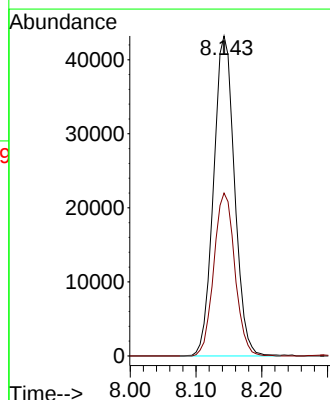
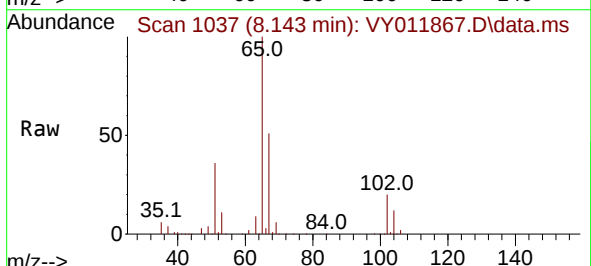
Acq: 15 Dec 2022 13:29

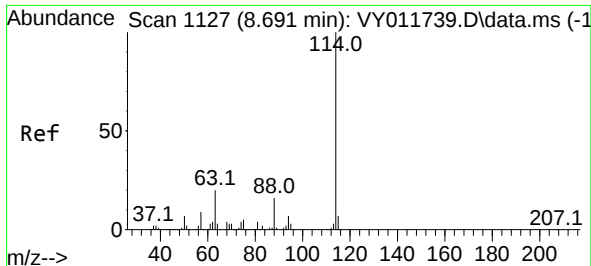
Tgt Ion: 65 Resp: 95825

Ion Ratio Lower Upper

65 100

67 51.2 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: VY011867.D

Acq: 15 Dec 2022 13:29

Instrument :

MSVOA_Y

ClientSampleId :

B-29-SB02

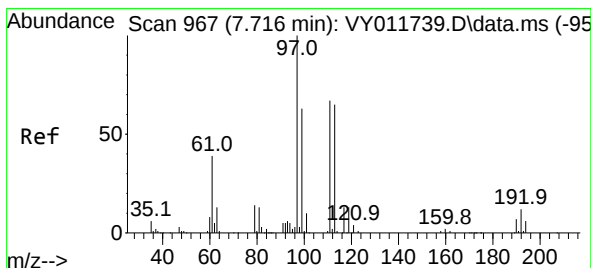
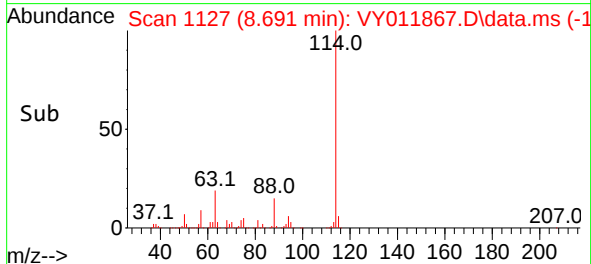
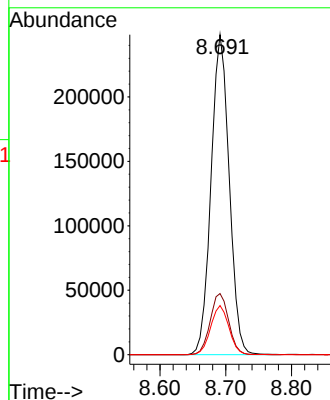
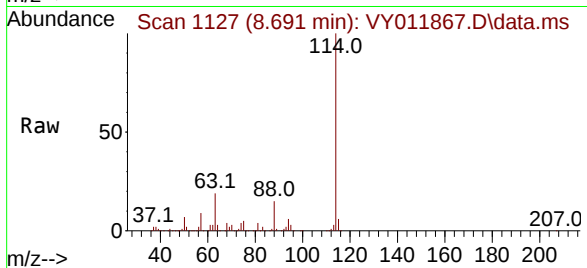
Tgt Ion:114 Resp: 477151

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 15.4 0.0 32.2



#35

Dibromofluoromethane

Concen: 53.703 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011867.D

Acq: 15 Dec 2022 13:29

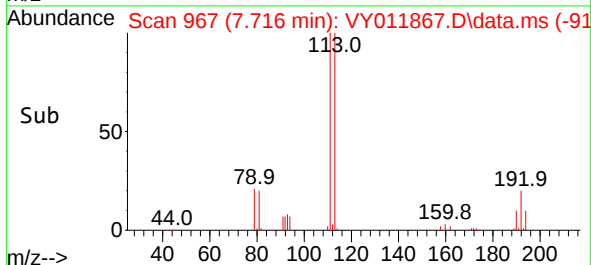
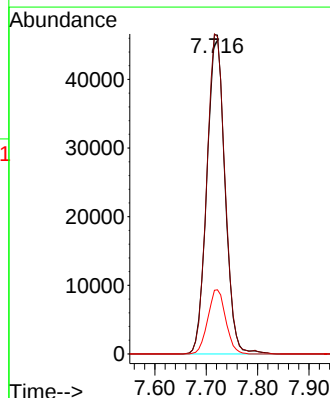
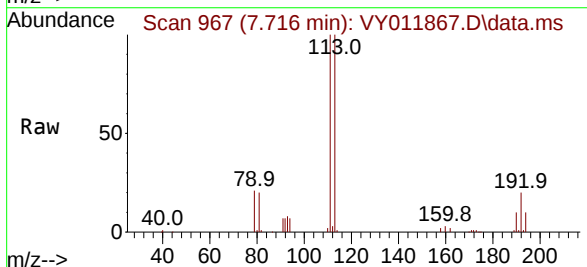
Tgt Ion:113 Resp: 113237

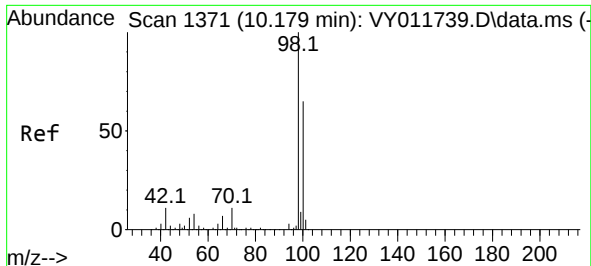
Ion Ratio Lower Upper

113 100

111 101.2 83.0 124.4

192 19.9 16.0 24.0

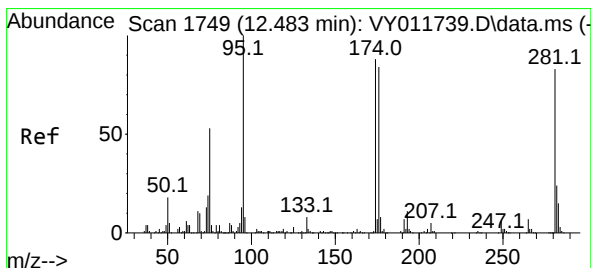
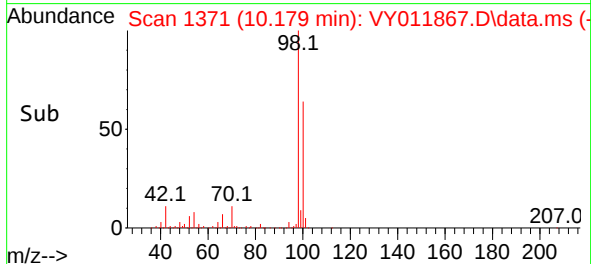
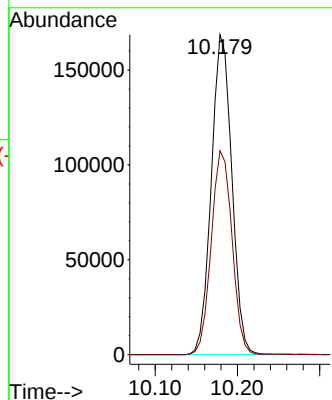
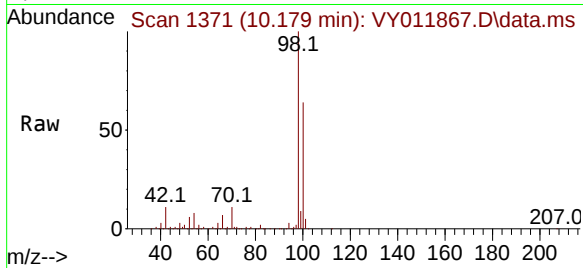




#50
Toluene-d8
Concen: 40.886 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011867.D
Acq: 15 Dec 2022 13:29

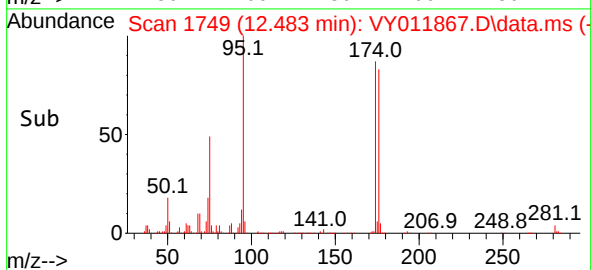
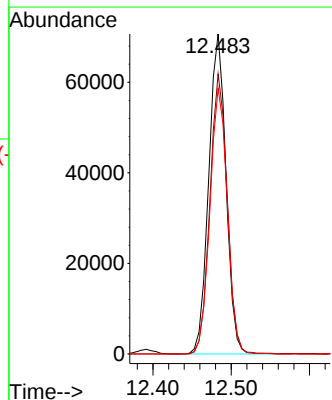
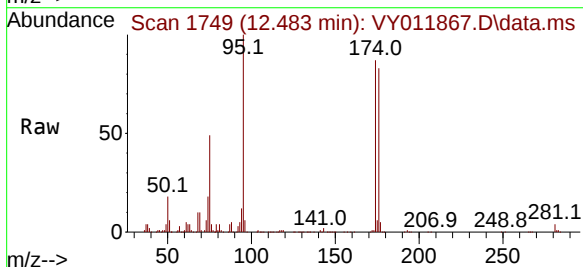
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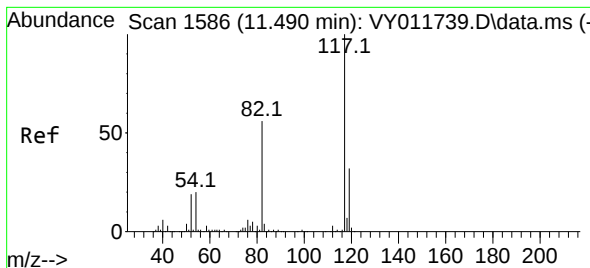
Tgt Ion: 98 Resp: 292588
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 37.944 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011867.D
Acq: 15 Dec 2022 13:29

Tgt Ion: 95 Resp: 108015
Ion Ratio Lower Upper
95 100
174 87.7 0.0 172.0
176 83.7 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY011867.D

Acq: 15 Dec 2022 13:29

Instrument :

MSVOA_Y

ClientSampleId :

B-29-SB02

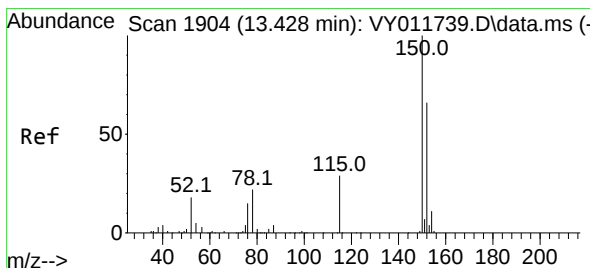
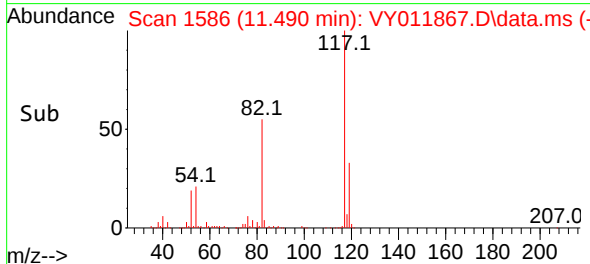
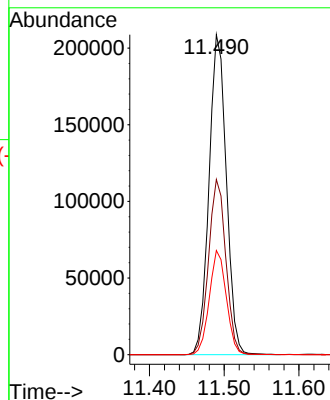
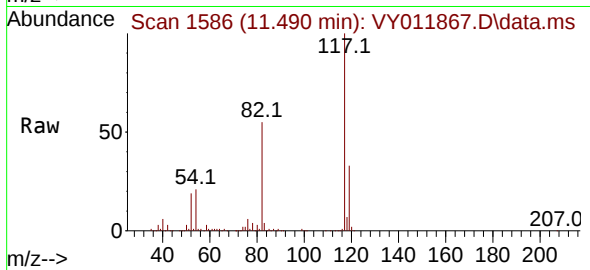
Tgt Ion:117 Resp: 335652

Ion Ratio Lower Upper

117 100

82 54.8 44.8 67.2

119 32.5 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY011867.D

Acq: 15 Dec 2022 13:29

Tgt Ion:152 Resp: 95805

Ion Ratio Lower Upper

152 100

115 57.0 29.1 87.3

150 157.0 0.0 342.6

