

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090123\
 Data File : VY015413.D
 Acq On : 01 Sep 2023 14:20
 Operator : SY/MD
 Sample : 04189-01
 Misc : 3.15g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-02(22-23)

Quant Time: Sep 01 15:08:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

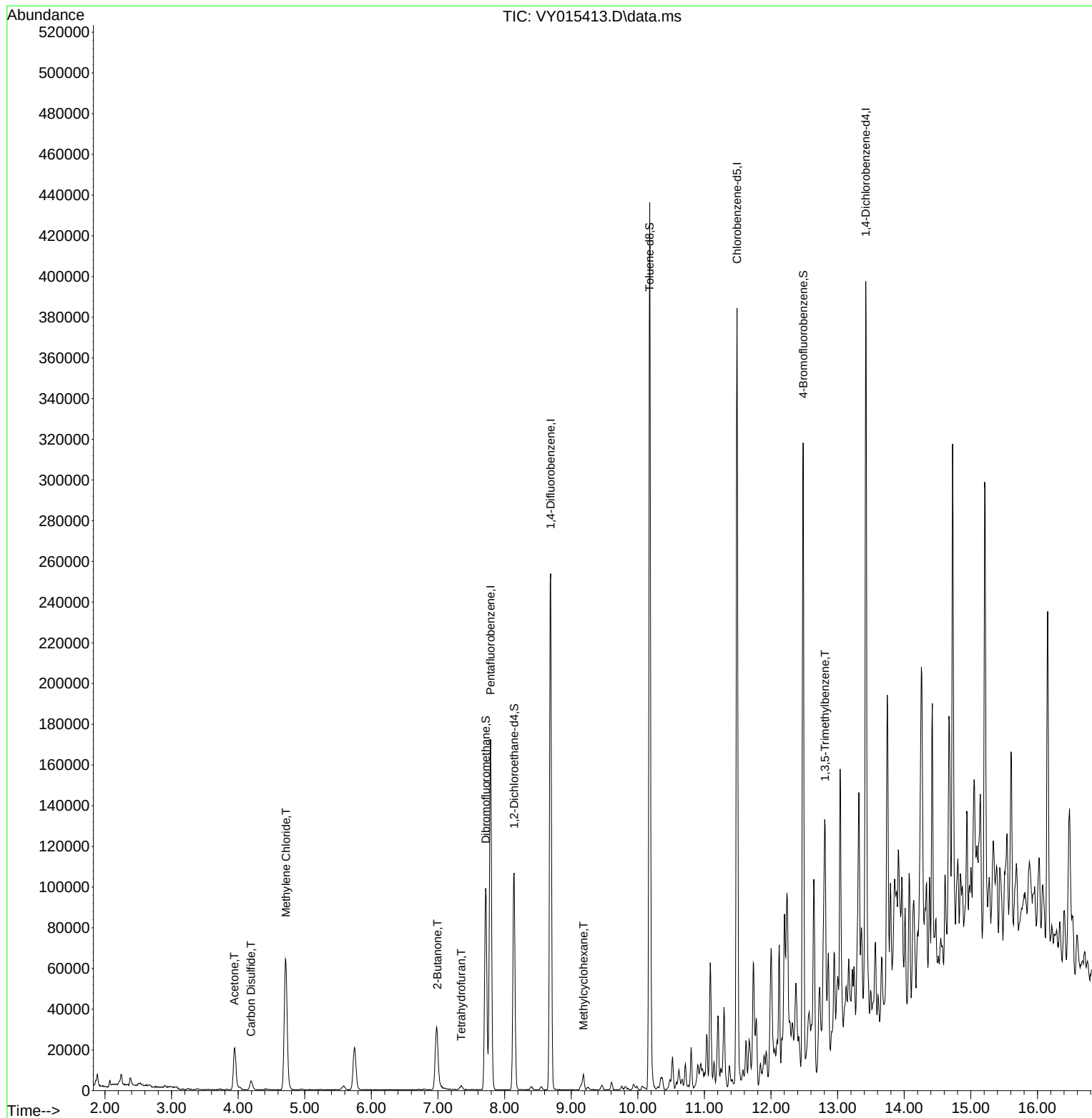
Internal Standards						
1) Pentafluorobenzene	7.789	168	133277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	221178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	202677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	91578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	84053	58.831	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.660%	
35) Dibromofluoromethane	7.716	113	69099	54.240	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.480%	
50) Toluene-d8	10.179	98	263757	57.172	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 114.340%	
62) 4-Bromofluorobenzene	12.483	95	87636	51.169	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.340%	
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	36949	61.960	ug/l	98
17) Carbon Disulfide	4.192	76	7487	1.890	ug/l #	93
20) Methylene Chloride	4.716	84	49977	22.201	ug/l	89
25) 2-Butanone	6.990	43	16803	19.866	ug/l #	89
29) Tetrahydrofuran	7.350	42	1159	2.182	ug/l #	93
39) Methylcyclohexane	9.185	83	2985	1.060	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	8063	1.401	ug/l	96

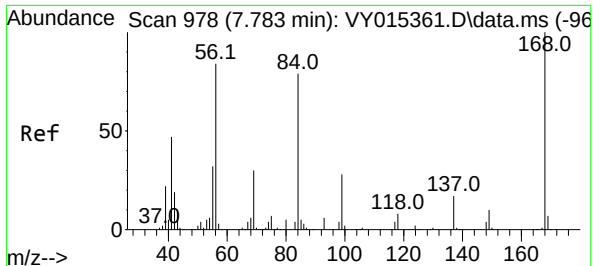
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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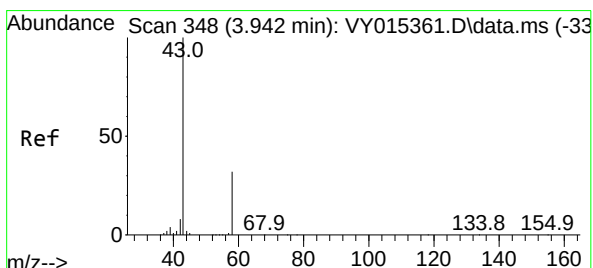
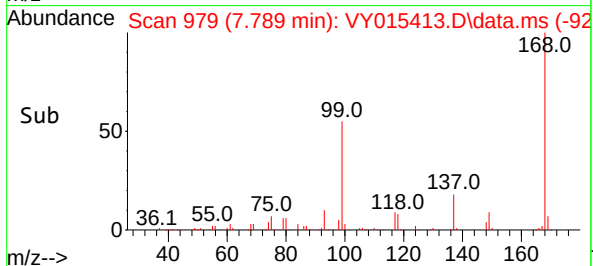
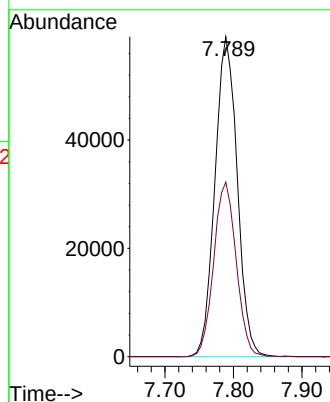
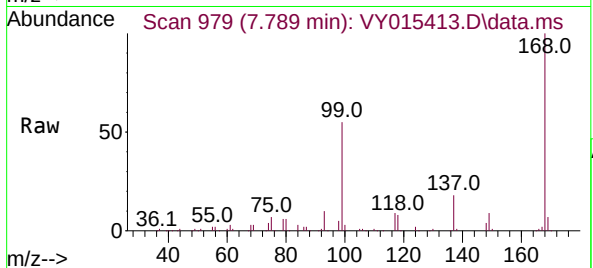




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

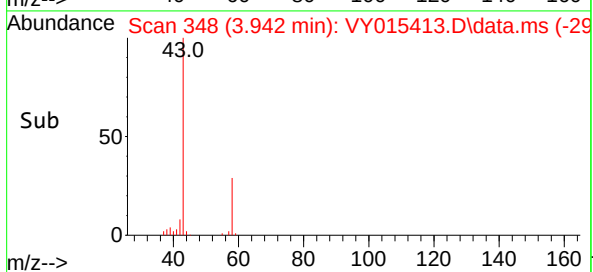
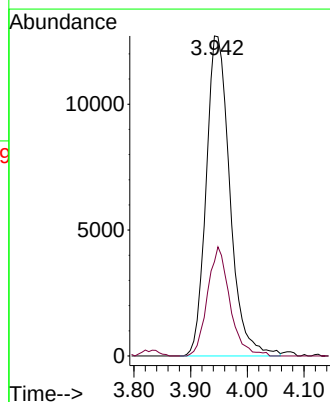
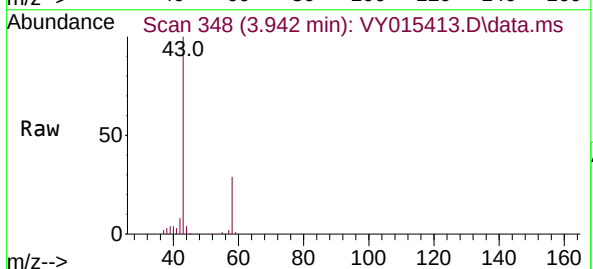
Instrument :
MSVOA_Y
ClientSampleId :
SB-02(22-23)

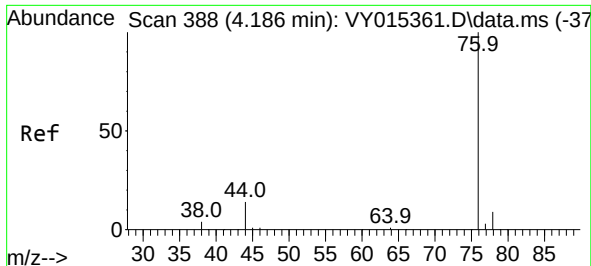
Tgt Ion:168 Resp: 133277
Ion Ratio Lower Upper
168 100
99 54.5 43.4 65.0



#16
Acetone
Concen: 61.960 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

Tgt Ion: 43 Resp: 36949
Ion Ratio Lower Upper
43 100
58 29.4 22.7 34.1





#17

Carbon Disulfide

Concen: 1.890 ug/l

RT: 4.192 min Scan# 389

Delta R.T. 0.006 min

Lab File: VY015413.D

Acq: 01 Sep 2023 14:20

Instrument :

MSVOA_Y

ClientSampleId :

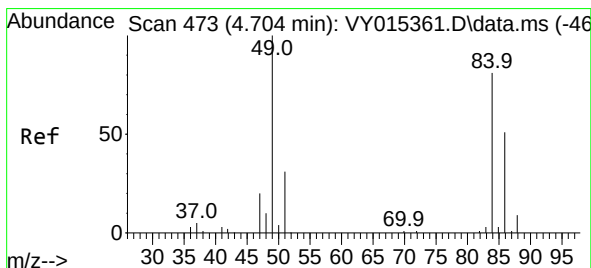
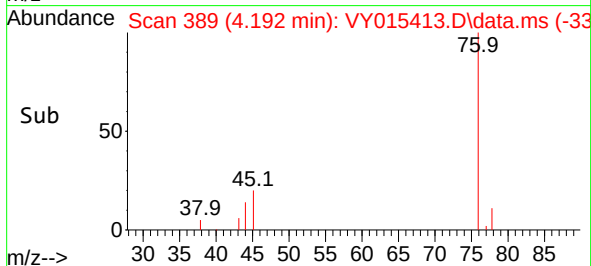
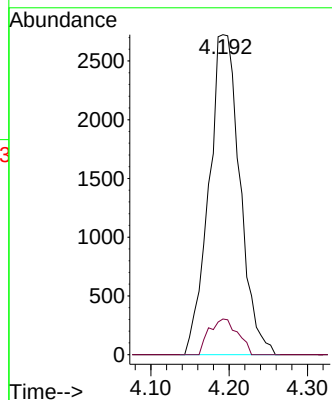
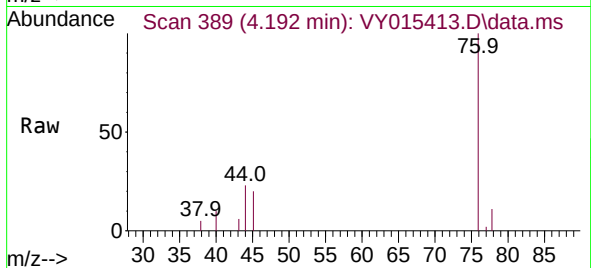
SB-02(22-23)

Tgt Ion: 76 Resp: 7487

Ion Ratio Lower Upper

76 100

78 11.2 7.0 10.4#



#20

Methylene Chloride

Concen: 22.201 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.012 min

Lab File: VY015413.D

Acq: 01 Sep 2023 14:20

Tgt Ion: 84 Resp: 49977

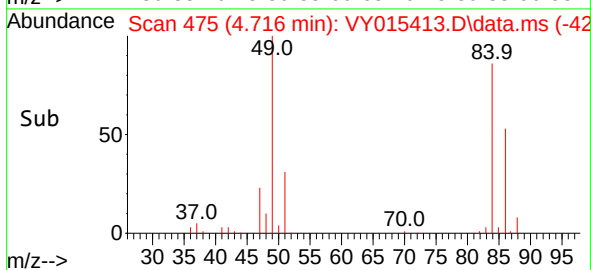
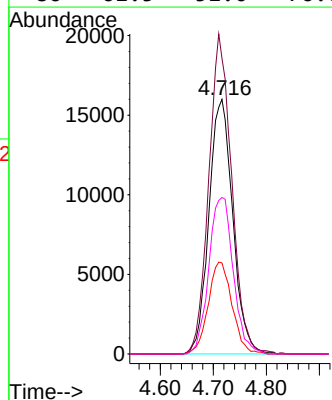
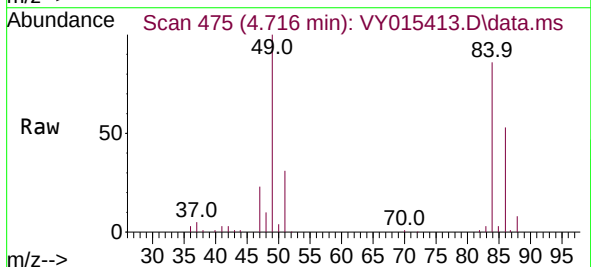
Ion Ratio Lower Upper

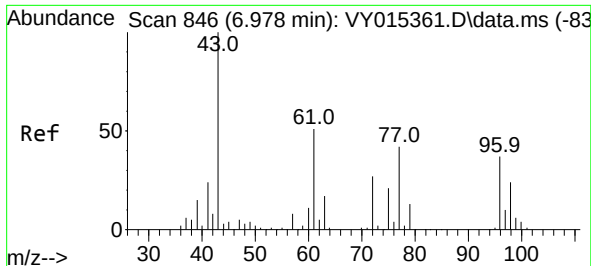
84 100

49 116.2 106.9 160.3

51 35.8 33.2 49.8

86 61.5 51.0 76.6





#25

2-Butanone

Concen: 19.866 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY015413.D

Acq: 01 Sep 2023 14:20

Instrument :

MSVOA_Y

ClientSampleId :

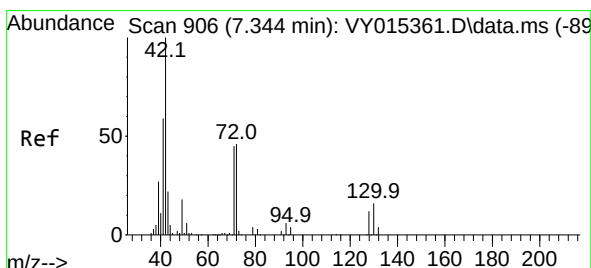
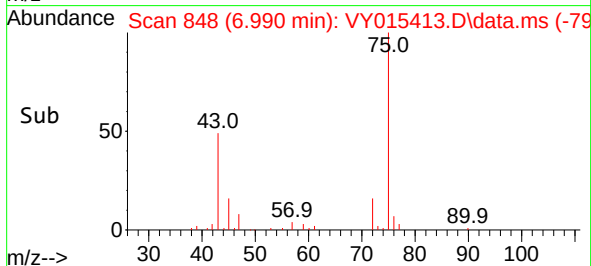
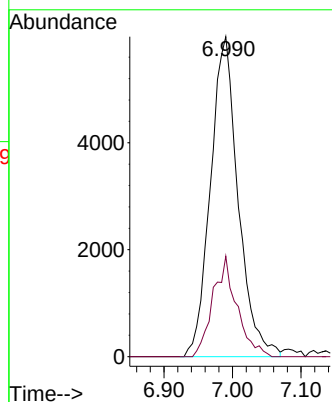
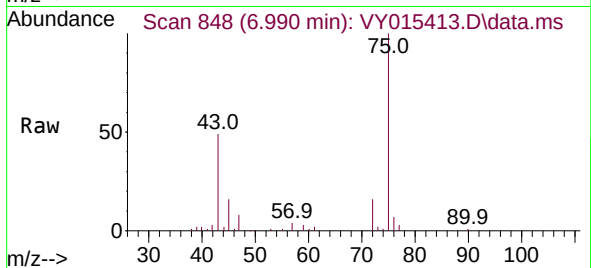
SB-02(22-23)

Tgt Ion: 43 Resp: 16803

Ion Ratio Lower Upper

43 100

72 31.4 20.5 30.7#



#29

Tetrahydrofuran

Concen: 2.182 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY015413.D

Acq: 01 Sep 2023 14:20

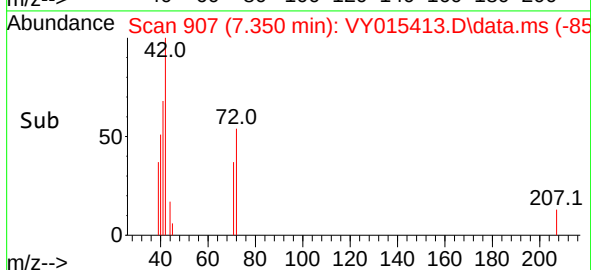
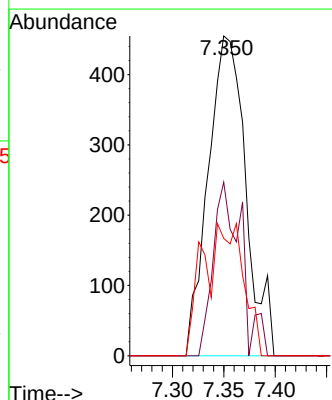
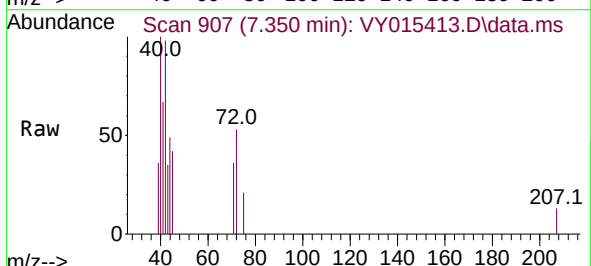
Tgt Ion: 42 Resp: 1159

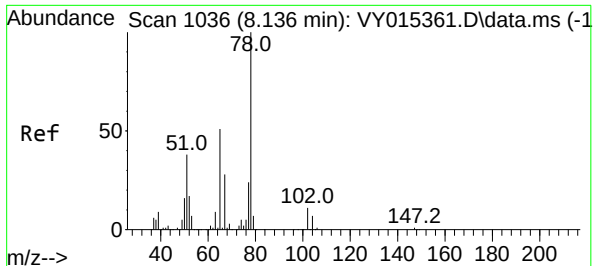
Ion Ratio Lower Upper

42 100

72 40.8 32.8 49.2

71 30.0 31.0 46.4#





#33

1,2-Dichloroethane-d4

Concen: 58.831 ug/l

RT: 8.142 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY015413.D

Acq: 01 Sep 2023 14:20

Instrument :

MSVOA_Y

ClientSampleId :

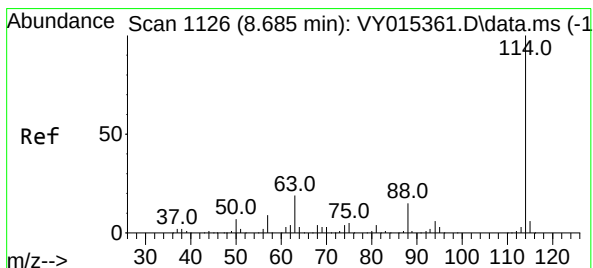
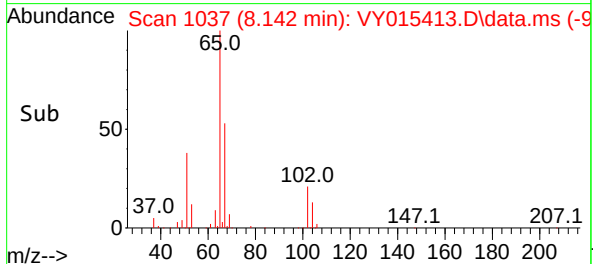
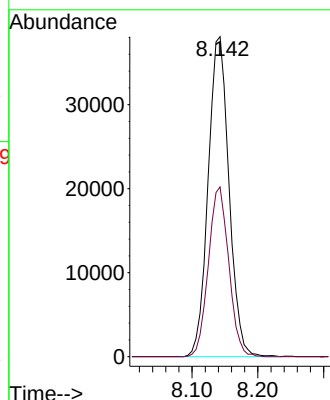
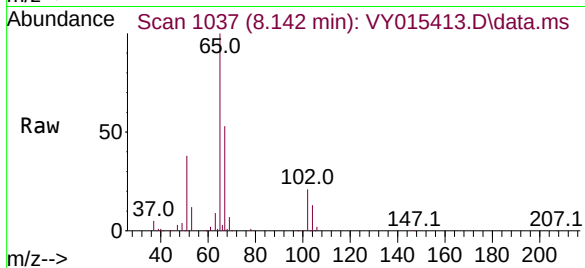
SB-02(22-23)

Tgt Ion: 65 Resp: 84053

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015413.D

Acq: 01 Sep 2023 14:20

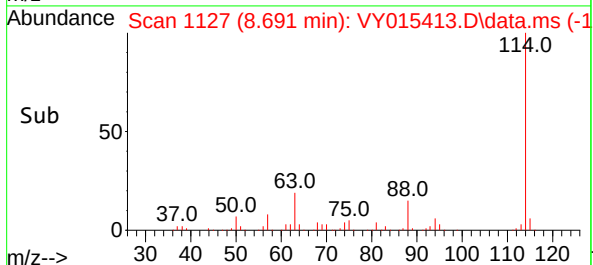
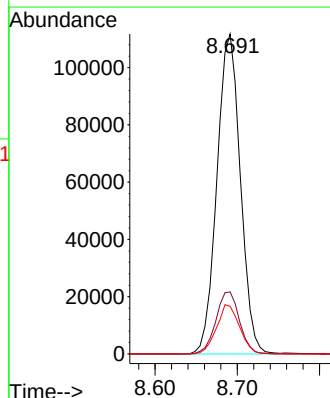
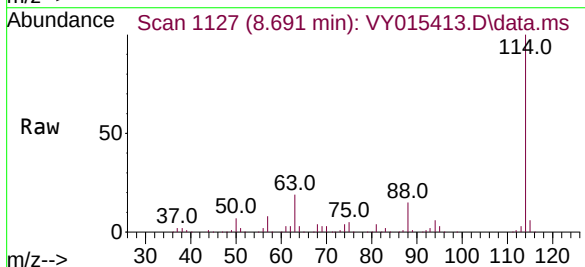
Tgt Ion: 114 Resp: 221178

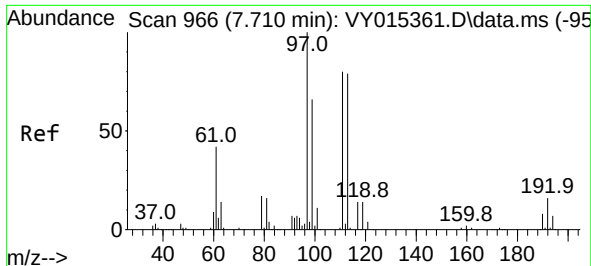
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 14.9 0.0 30.6

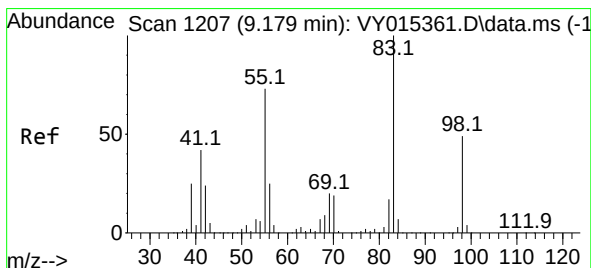
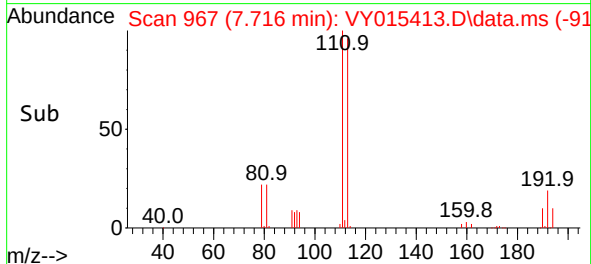
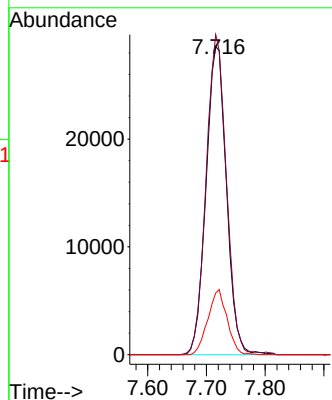
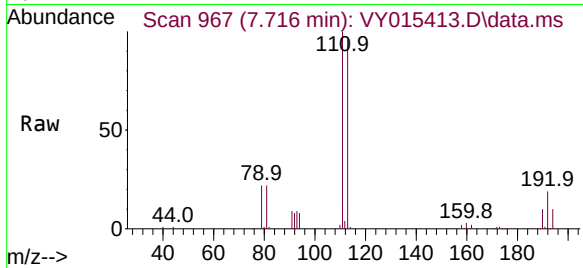




#35
Dibromofluoromethane
Concen: 54.240 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

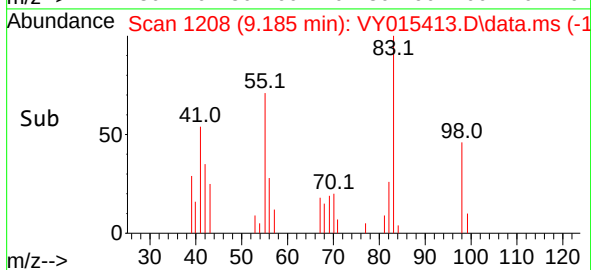
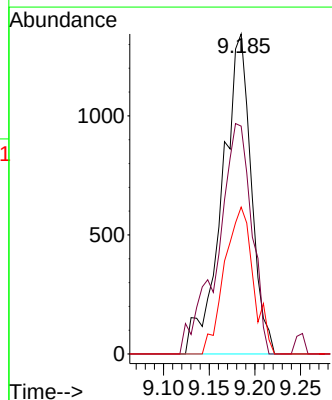
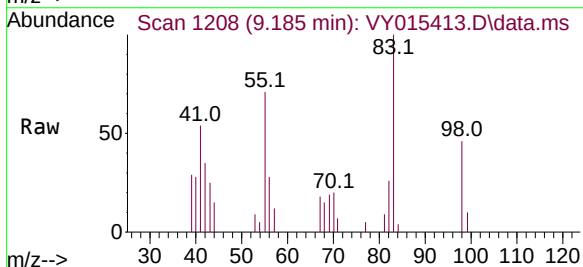
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SB-02(22-23)

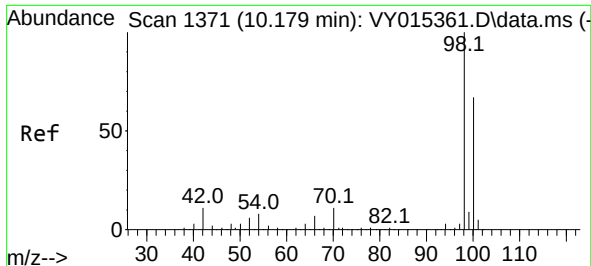
Tgt Ion:113 Resp: 69099
Ion Ratio Lower Upper
113 100
111 103.3 81.3 121.9
192 19.9 16.9 25.3



#39
Methylcyclohexane
Concen: 1.060 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.006 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

Tgt Ion: 83 Resp: 2985
Ion Ratio Lower Upper
83 100
55 71.2 63.0 94.4
98 45.9 37.4 56.2

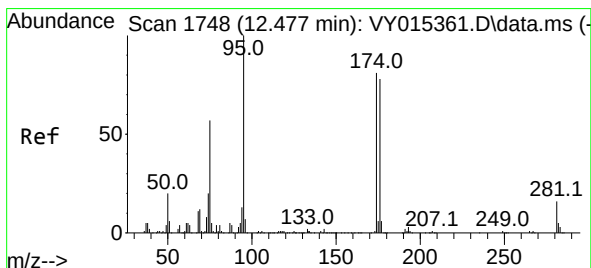
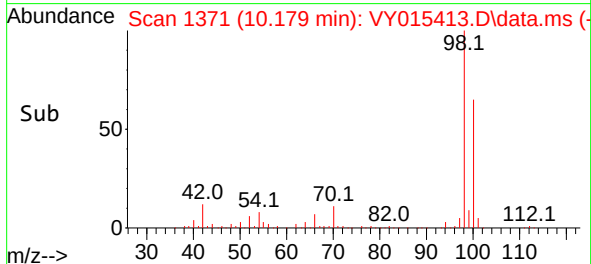
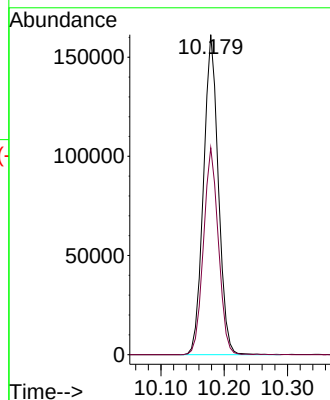
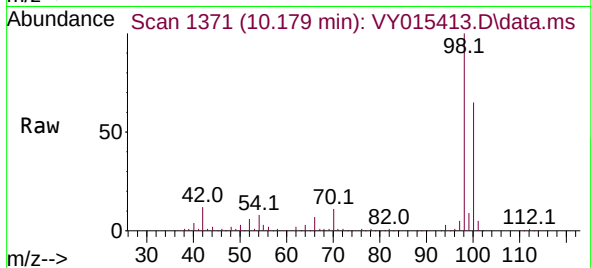




#50
Toluene-d8
Concen: 57.172 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

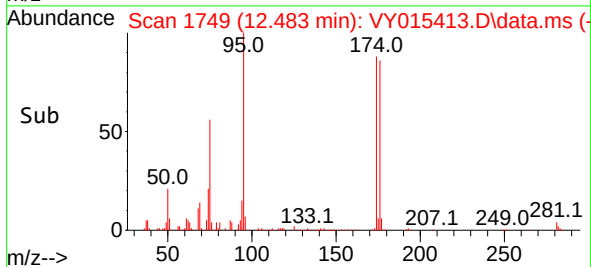
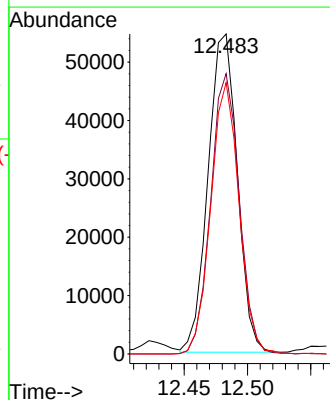
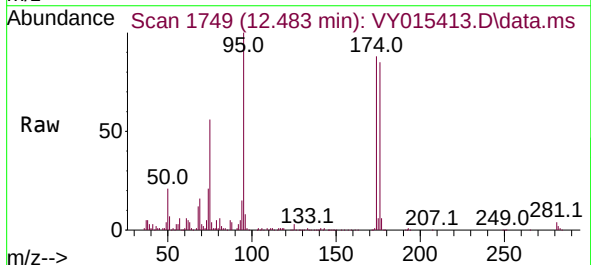
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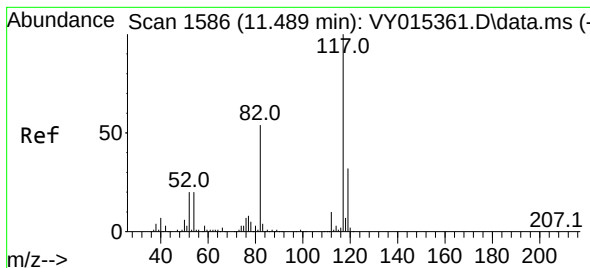
Tgt Ion: 98 Resp: 263757
Ion Ratio Lower Upper
98 100
100 64.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 51.169 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015413.D
Acq: 01 Sep 2023 14:20

Tgt Ion: 95 Resp: 87636
Ion Ratio Lower Upper
95 100
174 86.0 0.0 178.2
176 82.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY015413.D

Acq: 01 Sep 2023 14:20

Instrument :

MSVOA_Y

ClientSampleId :

SB-02(22-23)

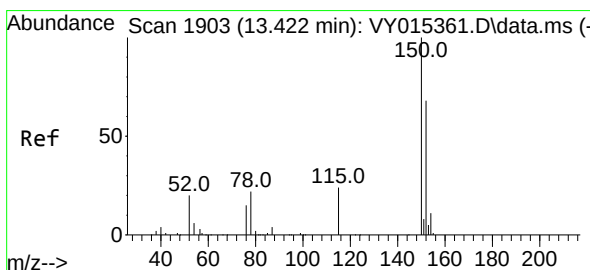
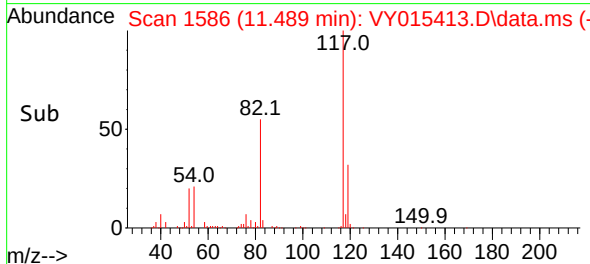
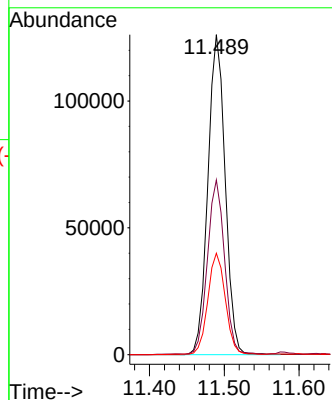
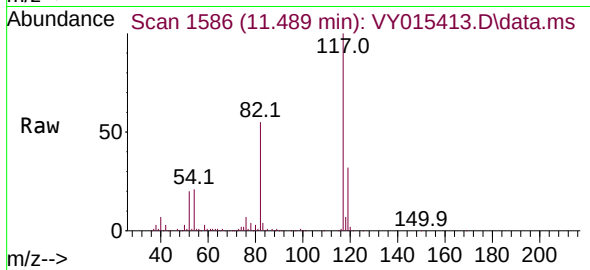
Tgt Ion:117 Resp: 202677

Ion Ratio Lower Upper

117 100

82 54.4 43.4 65.0

119 31.6 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY015413.D

Acq: 01 Sep 2023 14:20

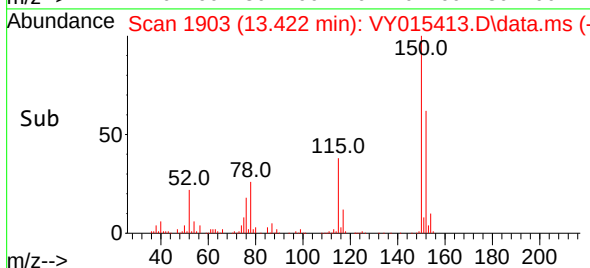
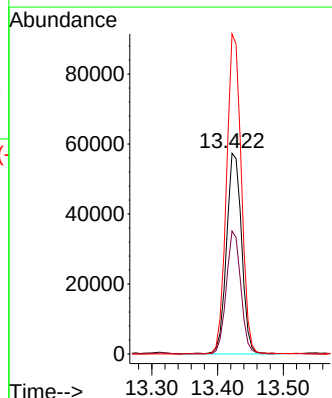
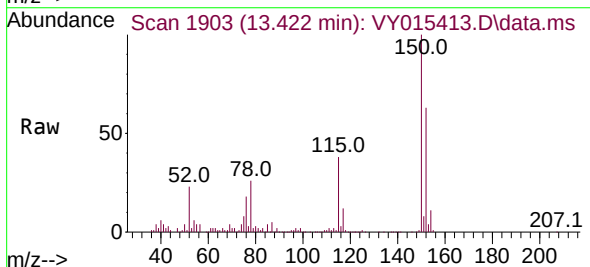
Tgt Ion:152 Resp: 91578

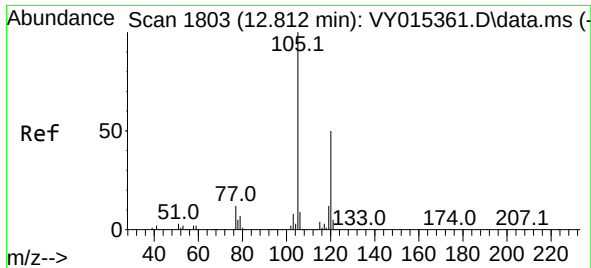
Ion Ratio Lower Upper

152 100

115 59.1 28.8 86.5

150 156.5 0.0 348.8





#80
 1,3,5-Trimethylbenzene
 Concen: 1.401 ug/l
 RT: 12.812 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VY015413.D
 Acq: 01 Sep 2023 14:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-02(22-23)

Tgt Ion:105 Resp: 8063
 Ion Ratio Lower Upper
 105 100
 120 50.4 23.9 71.7

