

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020724\
 Data File : VY017295.D
 Acq On : 07 Feb 2024 17:36
 Operator : SY/MD
 Sample : P1365-01
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-5(10-12)

Quant Time: Feb 08 01:45:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	51132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	95681	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	86758	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.428	152	30018	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	24348	53.303	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.600%	
35) Dibromofluoromethane	7.716	113	23602	45.686	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.380%	
50) Toluene-d8	10.185	98	85205	45.299	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 90.600%	
62) 4-Bromofluorobenzene	12.483	95	25525	41.425	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.860%	

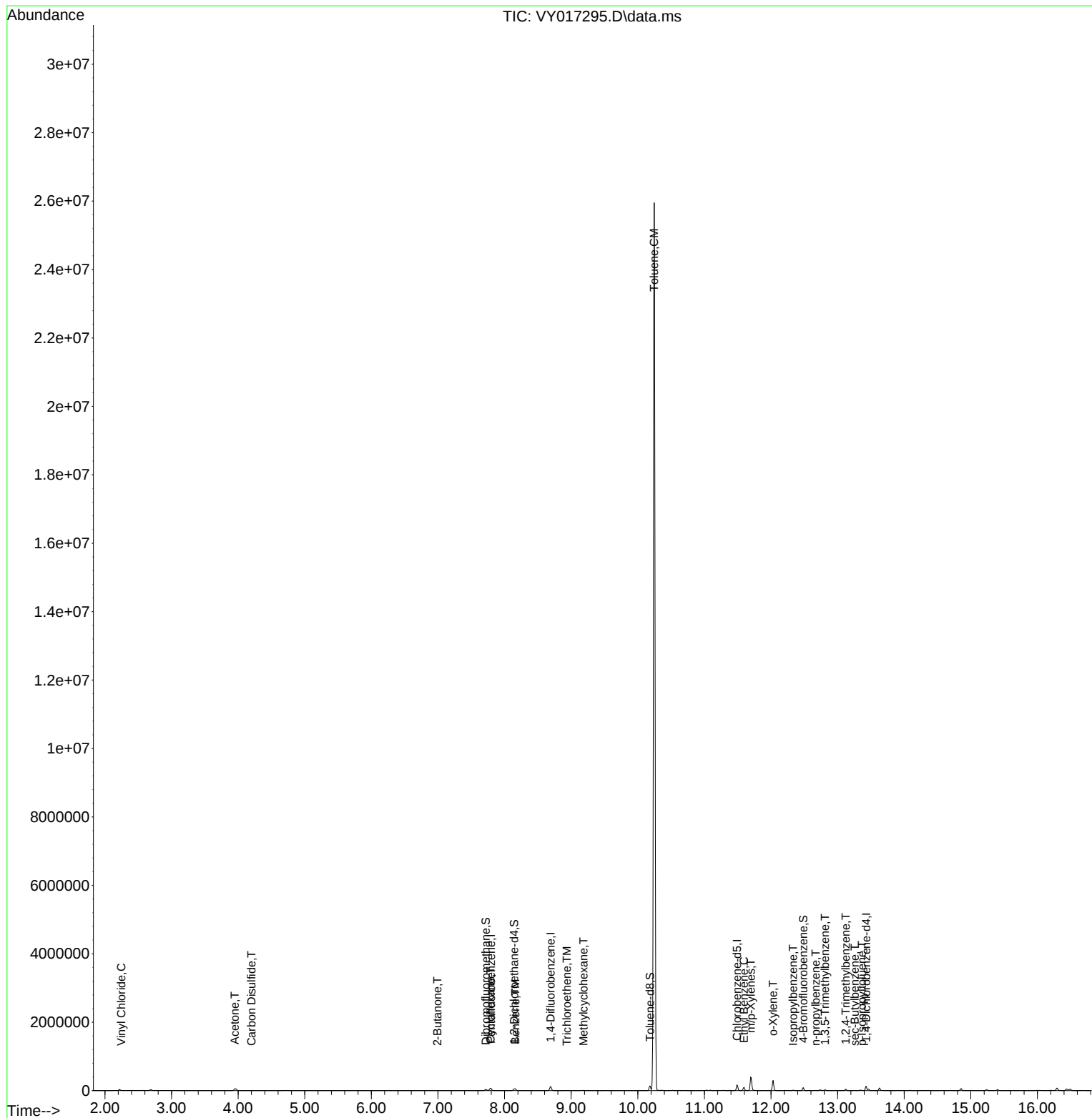
Target Compounds						Qvalue
4) Vinyl Chloride	2.247	62	1730	2.039	ug/l #	88
16) Acetone	3.948	43	8972	66.828	ug/l	96
17) Carbon Disulfide	4.198	76	1625	1.027	ug/l #	94
25) 2-Butanone	6.990	43	1935	10.842	ug/l	99
31) Cyclohexane	7.789	56	1882	2.044	ug/l #	44
39) Methylcyclohexane	9.185	83	3122	2.999	ug/l #	92
40) Benzene	8.161	78	40671	15.982	ug/l	99
44) Trichloroethene	8.935	130	757	1.172	ug/l	72
52) Toluene	10.246	92	10935522	7119.190	ug/l	79
67) Ethyl Benzene	11.593	91	60719	20.074	ug/l	99
68) m/p-Xylenes	11.697	106	110629	96.377	ug/l	99
69) o-Xylene	12.032	106	74500	70.478	ug/l	97
73) Isopropylbenzene	12.331	105	5829	2.643	ug/l	96
78) n-propylbenzene	12.672	91	4236	1.564	ug/l	93
80) 1,3,5-Trimethylbenzene	12.813	105	10673	6.085	ug/l	99
84) 1,2,4-Trimethylbenzene	13.124	105	22427	12.955	ug/l	98
85) sec-Butylbenzene	13.258	105	2390	1.017	ug/l	88
86) p-Isopropyltoluene	13.367	119	2922	1.556	ug/l	91

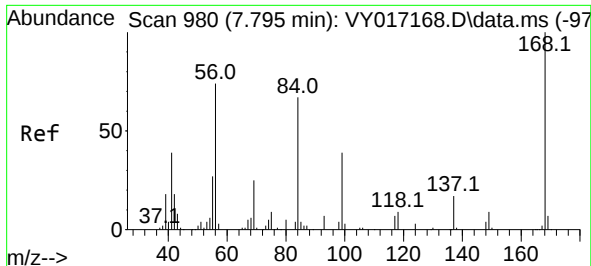
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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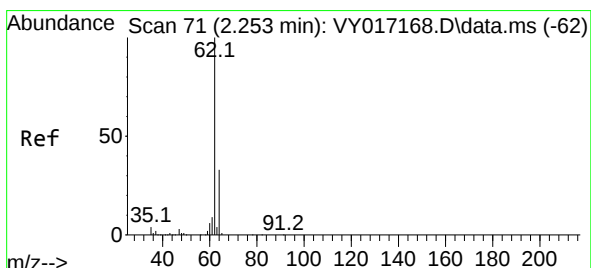
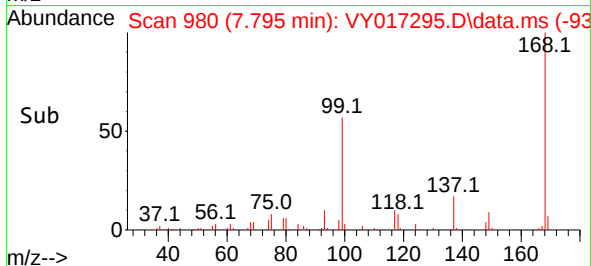
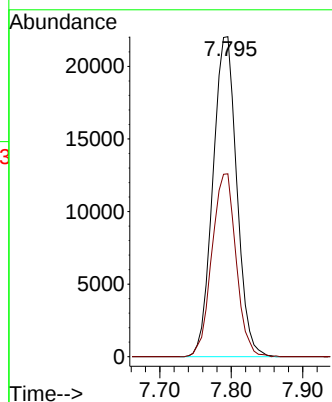
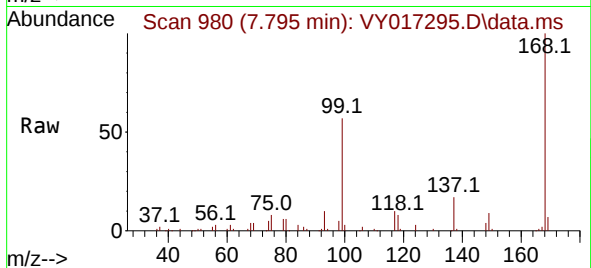




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017295.D
Acq: 07 Feb 2024 17:36

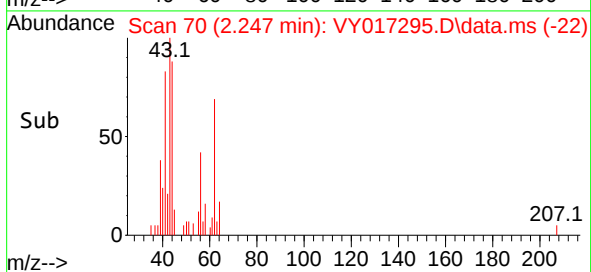
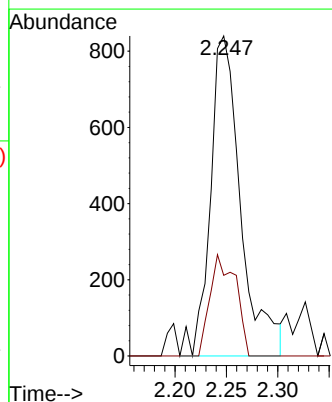
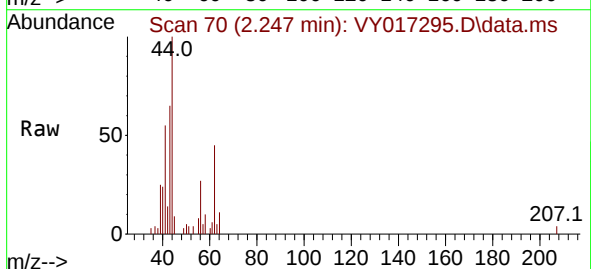
Instrument :
MSVOA_Y
ClientSampleId :
B-5(10-12)

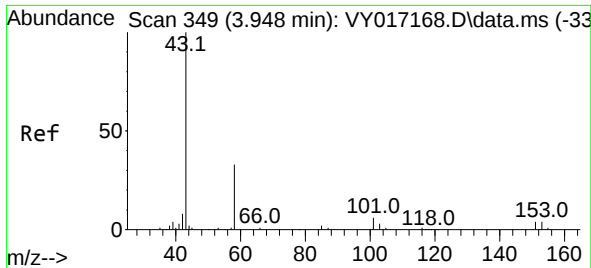
Tgt Ion:168 Resp: 51132
Ion Ratio Lower Upper
168 100
99 57.1 44.2 66.4



#4
Vinyl Chloride
Concen: 2.039 ug/l
RT: 2.247 min Scan# 70
Delta R.T. -0.006 min
Lab File: VY017295.D
Acq: 07 Feb 2024 17:36

Tgt Ion: 62 Resp: 1730
Ion Ratio Lower Upper
62 100
64 25.2 25.7 38.5#





#16

Acetone

Concen: 66.828 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.001 min

Lab File: VY017295.D

Acq: 07 Feb 2024 17:36

Instrument :

MSVOA_Y

ClientSampleId :

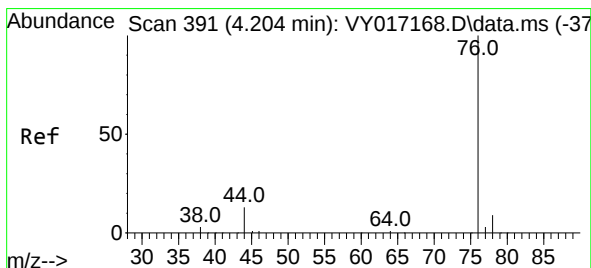
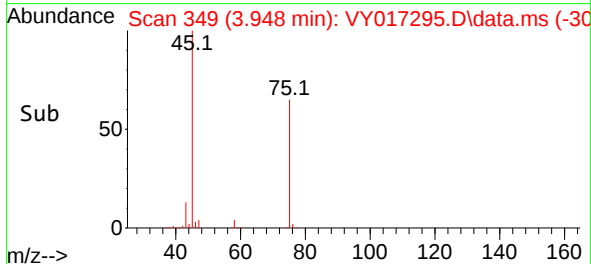
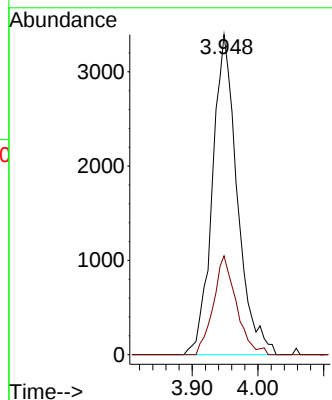
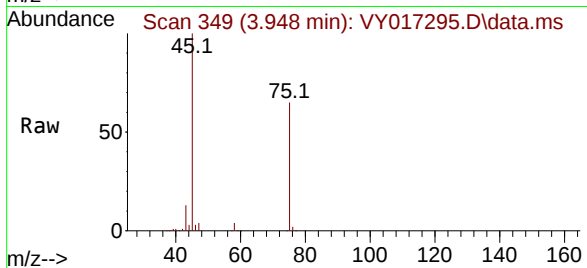
B-5(10-12)

Tgt Ion: 43 Resp: 8972

Ion Ratio Lower Upper

43 100

58 30.9 26.6 39.8



#17

Carbon Disulfide

Concen: 1.027 ug/l

RT: 4.198 min Scan# 390

Delta R.T. -0.006 min

Lab File: VY017295.D

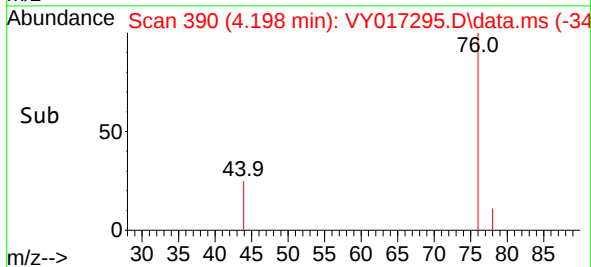
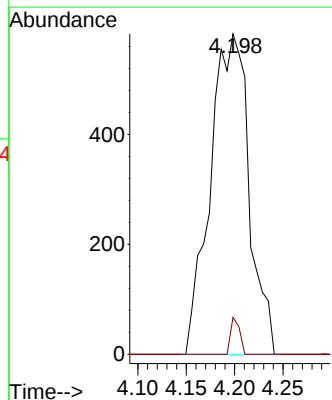
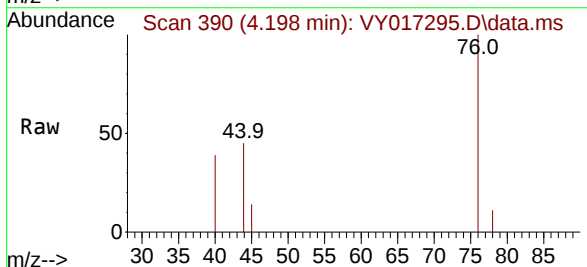
Acq: 07 Feb 2024 17:36

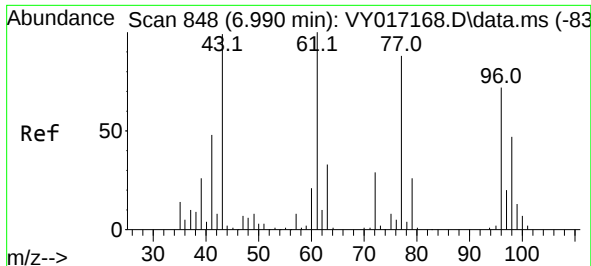
Tgt Ion: 76 Resp: 1625

Ion Ratio Lower Upper

76 100

78 11.5 7.4 11.0#





#25

2-Butanone

Concen: 10.842 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY017295.D

Acq: 07 Feb 2024 17:36

Instrument :

MSVOA_Y

ClientSampleId :

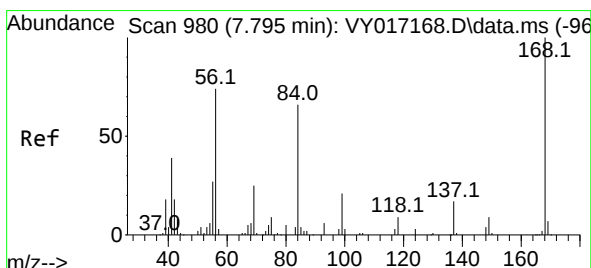
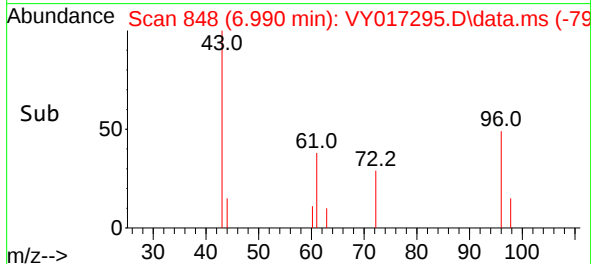
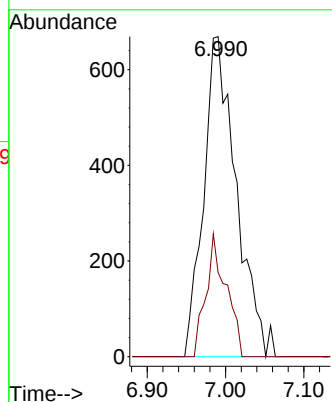
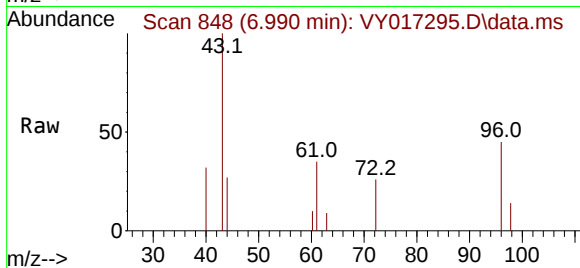
B-5(10-12)

Tgt Ion: 43 Resp: 1935

Ion Ratio Lower Upper

43 100

72 26.3 21.4 32.2



#31

Cyclohexane

Concen: 2.044 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.006 min

Lab File: VY017295.D

Acq: 07 Feb 2024 17:36

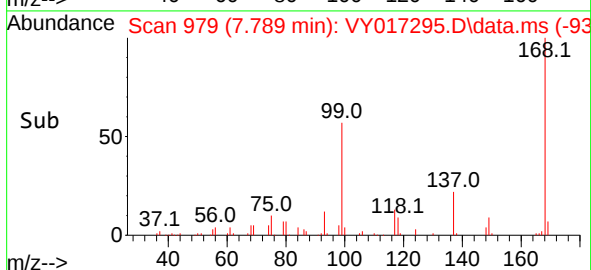
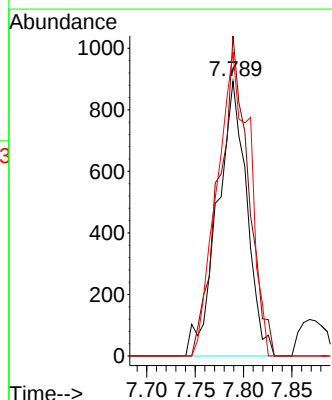
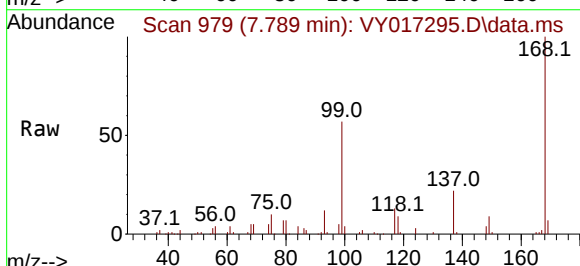
Tgt Ion: 56 Resp: 1882

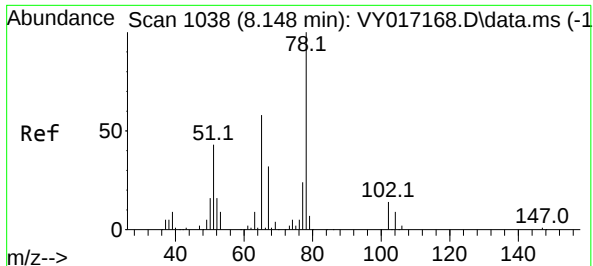
Ion Ratio Lower Upper

56 100

69 116.5 27.0 40.6#

84 110.5 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 53.303 ug/l

RT: 8.143 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY017295.D

Acq: 07 Feb 2024 17:36

Instrument :

MSVOA_Y

ClientSampleId :

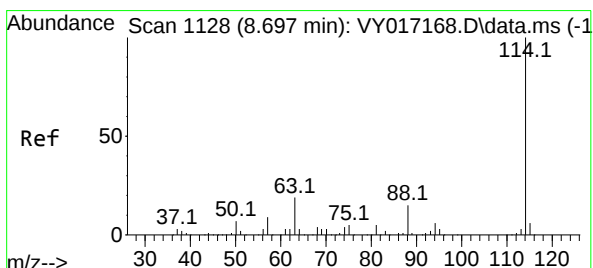
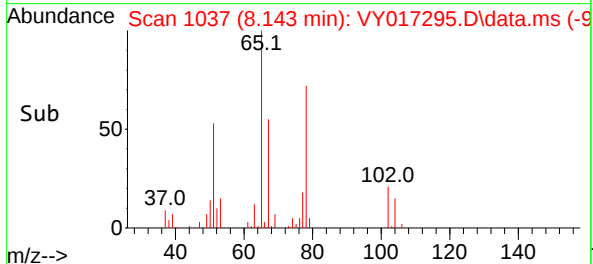
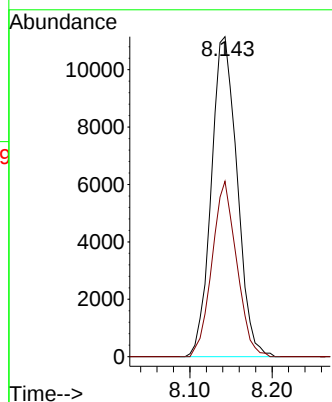
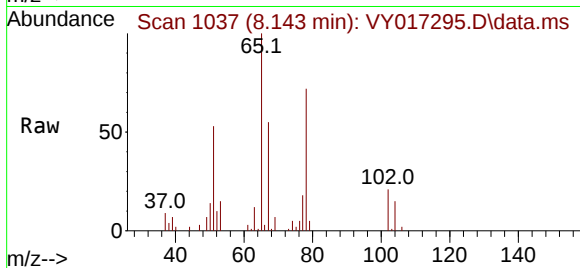
B-5(10-12)

Tgt Ion: 65 Resp: 24348

Ion Ratio Lower Upper

65 100

67 52.4 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY017295.D

Acq: 07 Feb 2024 17:36

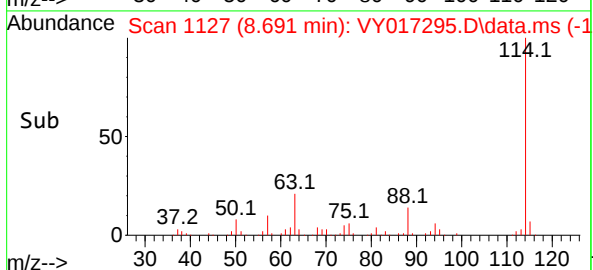
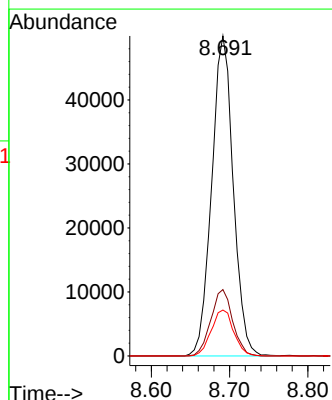
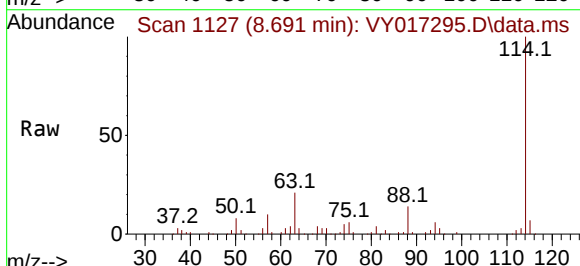
Tgt Ion: 114 Resp: 95681

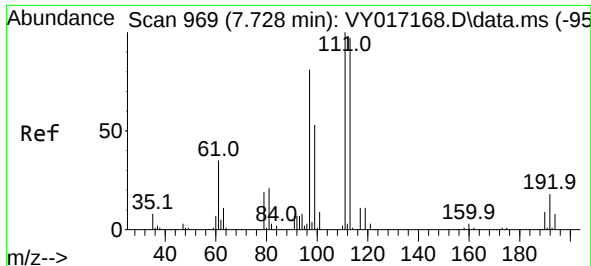
Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.4

88 14.3 0.0 29.0

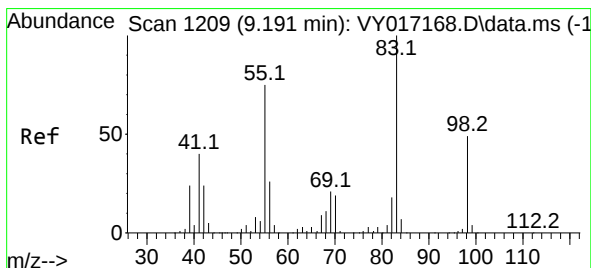
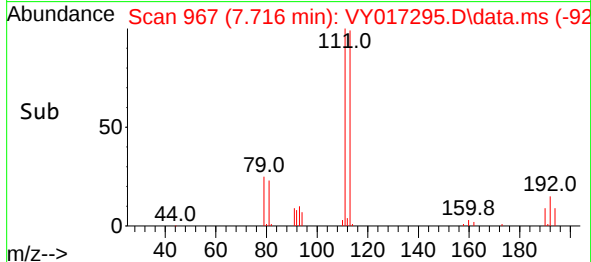
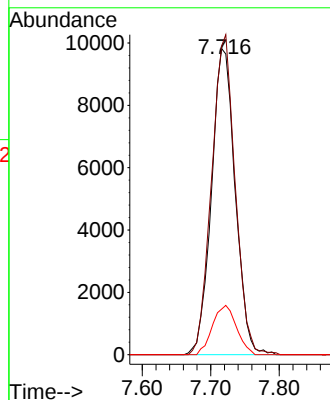
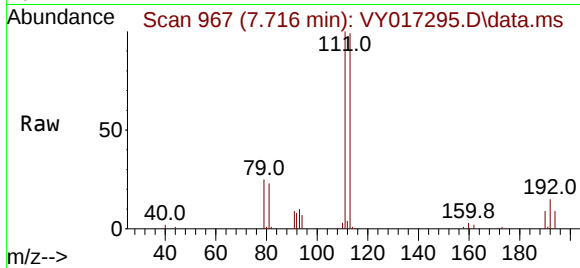




#35
Dibromofluoromethane
Concen: 45.686 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.012 min
Lab File: VY017295.D
Acq: 07 Feb 2024 17:36

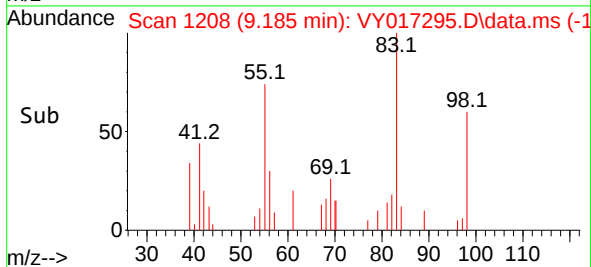
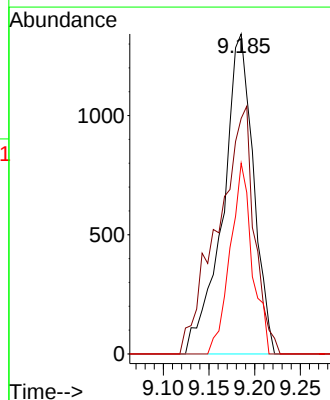
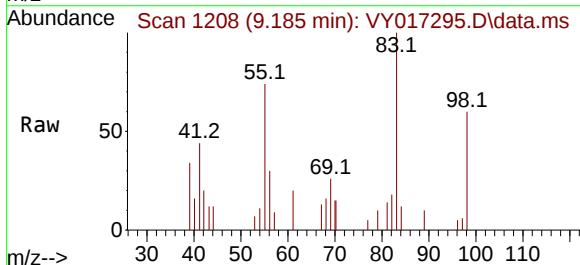
Instrument :
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B-5(10-12)

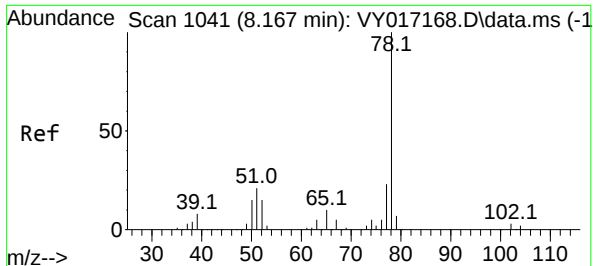
Tgt Ion:113 Resp: 23602
Ion Ratio Lower Upper
113 100
111 103.7 83.8 125.6
192 16.3 14.5 21.7



#39
Methylcyclohexane
Concen: 2.999 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.006 min
Lab File: VY017295.D
Acq: 07 Feb 2024 17:36

Tgt Ion: 83 Resp: 3122
Ion Ratio Lower Upper
83 100
55 73.6 59.7 89.5
98 59.6 38.0 57.0#





#40

Benzene

Concen: 15.982 ug/l

RT: 8.161 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VY017295.D

Acq: 07 Feb 2024 17:36

Instrument :

MSVOA_Y

ClientSampleId :

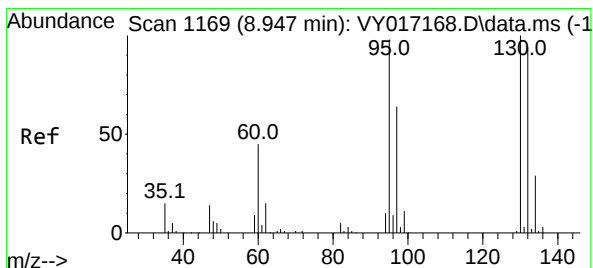
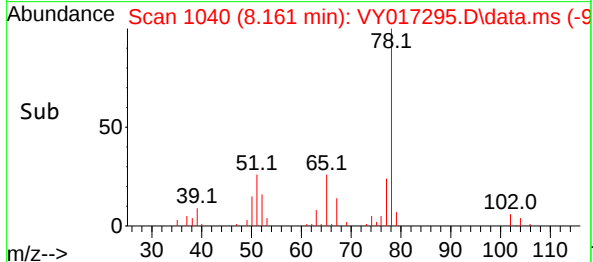
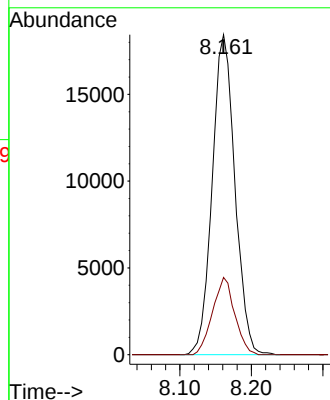
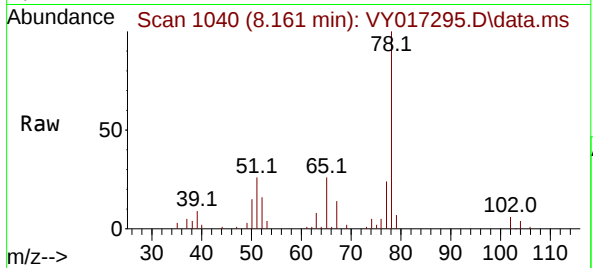
B-5(10-12)

Tgt Ion: 78 Resp: 40671

Ion Ratio Lower Upper

78 100

77 24.1 18.8 28.2



#44

Trichloroethene

Concen: 1.172 ug/l

RT: 8.935 min Scan# 1167

Delta R.T. -0.012 min

Lab File: VY017295.D

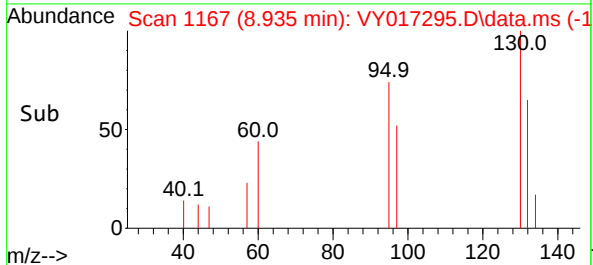
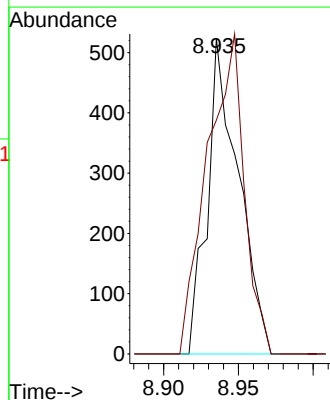
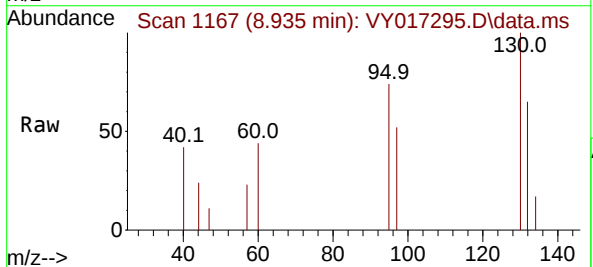
Acq: 07 Feb 2024 17:36

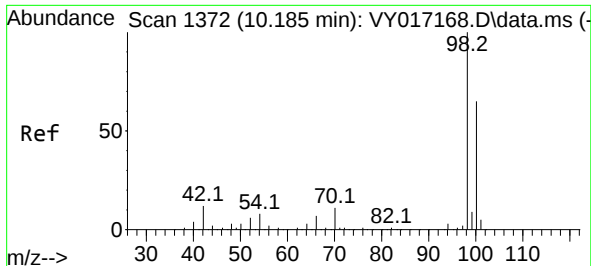
Tgt Ion:130 Resp: 757

Ion Ratio Lower Upper

130 100

95 74.0 0.0 203.8





#50

Toluene-d8

Concen: 45.299 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY017295.D

Acq: 07 Feb 2024 17:36

Instrument :

MSVOA_Y

ClientSampleId :

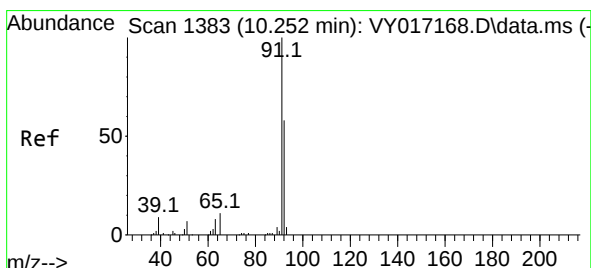
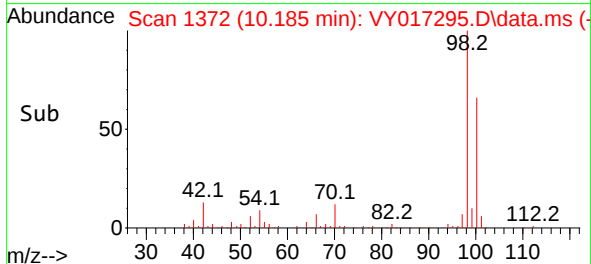
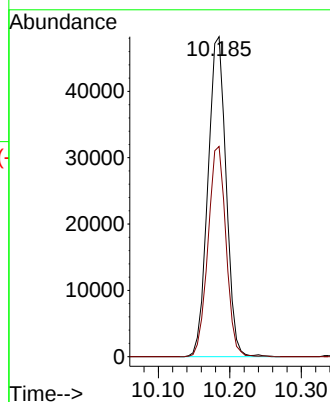
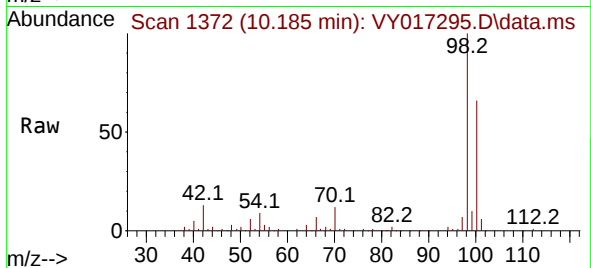
B-5(10-12)

Tgt Ion: 98 Resp: 85205

Ion Ratio Lower Upper

98 100

100 65.0 52.3 78.5



#52

Toluene

Concen: 7119.190 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. -0.006 min

Lab File: VY017295.D

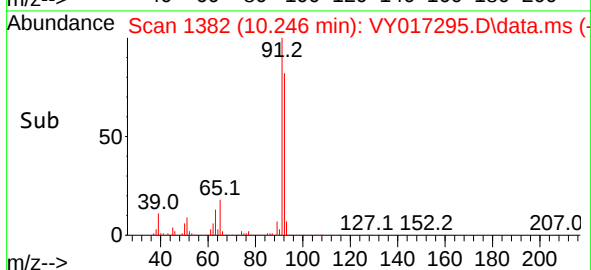
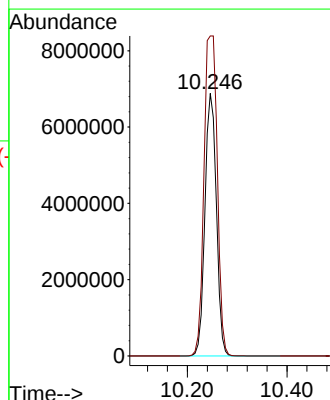
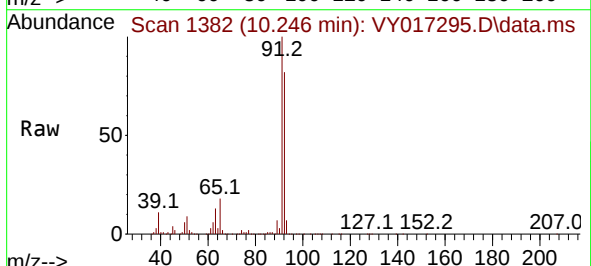
Acq: 07 Feb 2024 17:36

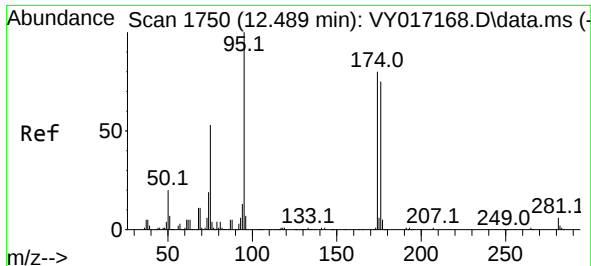
Tgt Ion: 92 Resp:10935522

Ion Ratio Lower Upper

92 100

91 142.4 137.6 206.4

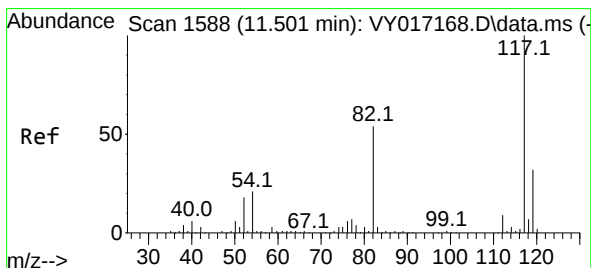
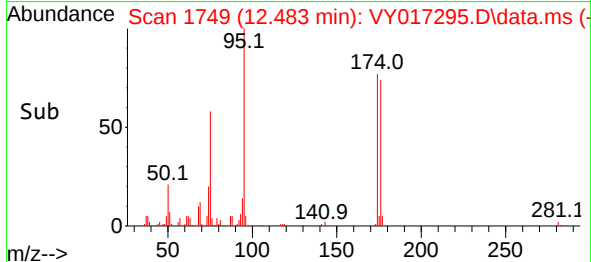
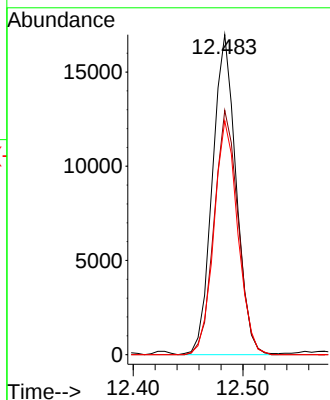
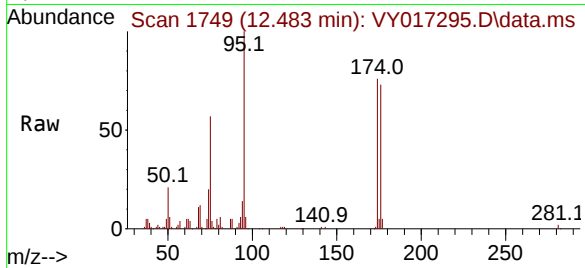




#62
4-Bromofluorobenzene
Concen: 41.425 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017295.D
Acq: 07 Feb 2024 17:36

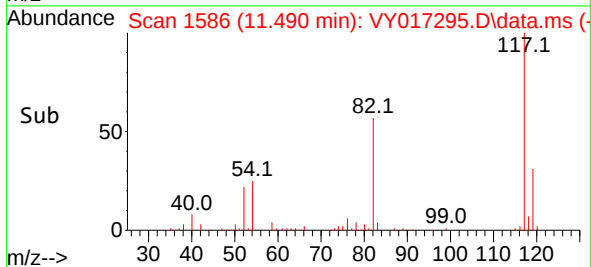
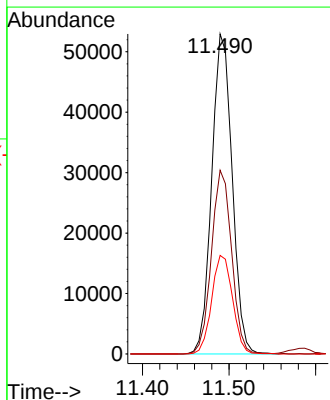
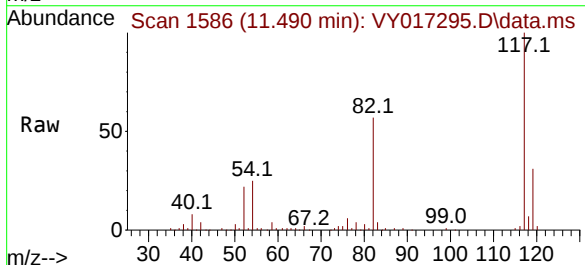
Instrument :
MSVOA_Y
ClientSampleId :
B-5(10-12)

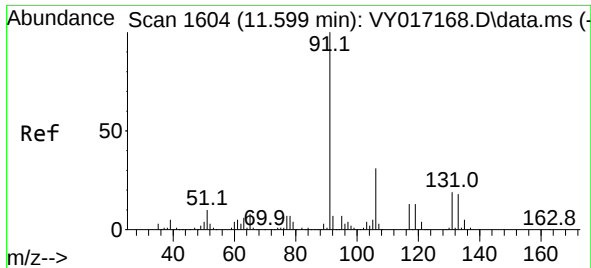
Tgt Ion: 95	Resp: 25525
Ion Ratio	Lower Upper
95 100	
174 77.2	0.0 160.0
176 73.4	0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.012 min
Lab File: VY017295.D
Acq: 07 Feb 2024 17:36

Tgt Ion:117	Resp:	86758	
Ion	Ratio	Lower	Upper
117	100		
82	57.4	43.8	65.8
119	30.8	26.5	39.7





#67

Ethyl Benzene

Concen: 20.074 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.006 min

Lab File: VY017295.D

Acq: 07 Feb 2024 17:36

Instrument :

MSVOA_Y

ClientSampleId :

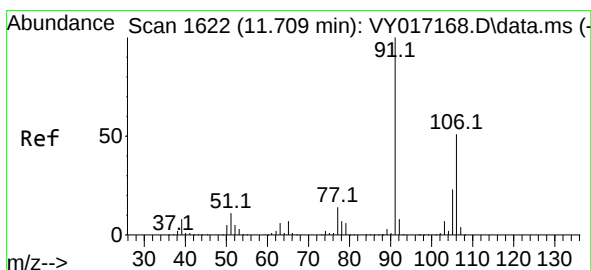
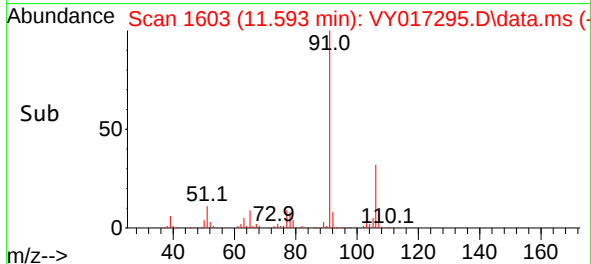
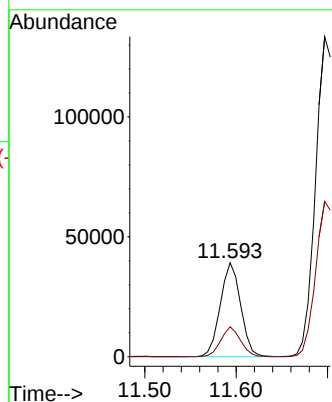
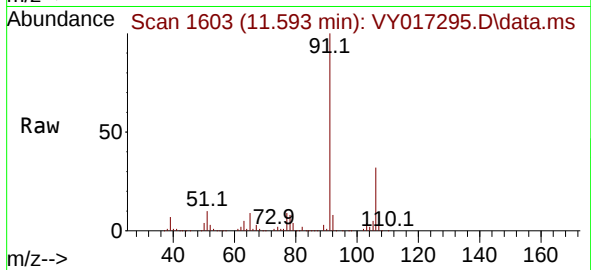
B-5(10-12)

Tgt Ion: 91 Resp: 60719

Ion Ratio Lower Upper

91 100

106 31.8 25.0 37.4



#68

m/p-Xylenes

Concen: 96.377 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.012 min

Lab File: VY017295.D

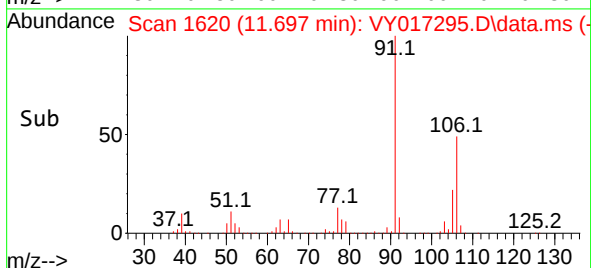
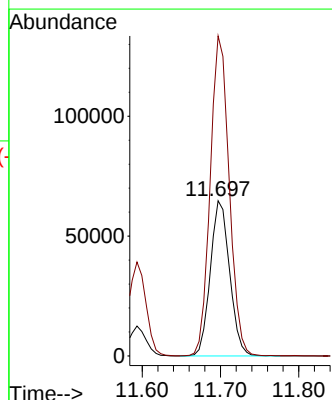
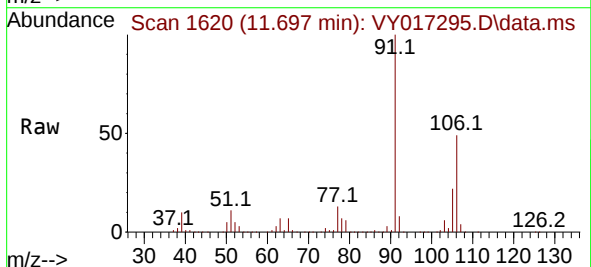
Acq: 07 Feb 2024 17:36

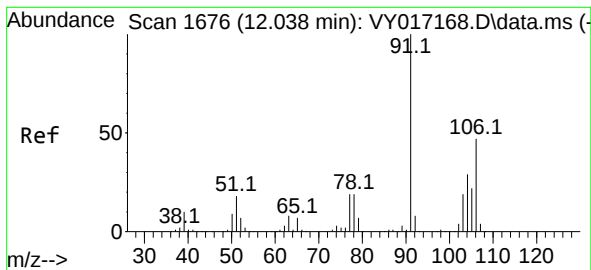
Tgt Ion: 106 Resp: 110629

Ion Ratio Lower Upper

106 100

91 203.2 160.7 241.1





#69

o-Xylene

Concen: 70.478 ug/l

RT: 12.032 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY017295.D

Acq: 07 Feb 2024 17:36

Instrument :

MSVOA_Y

ClientSampleId :

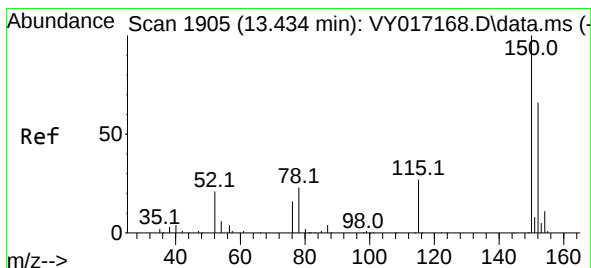
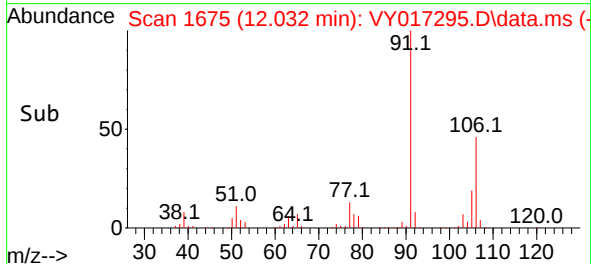
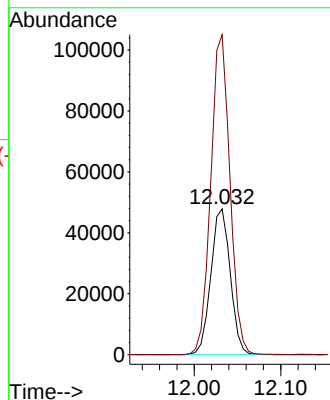
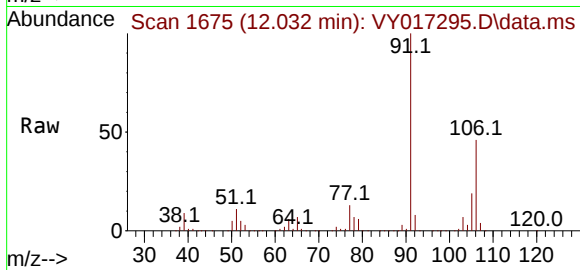
B-5(10-12)

Tgt Ion:106 Resp: 74500

Ion Ratio Lower Upper

106 100

91 217.0 106.5 319.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY017295.D

Acq: 07 Feb 2024 17:36

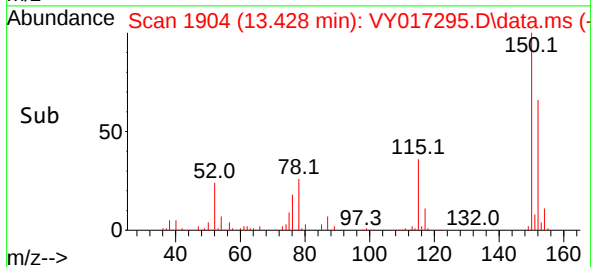
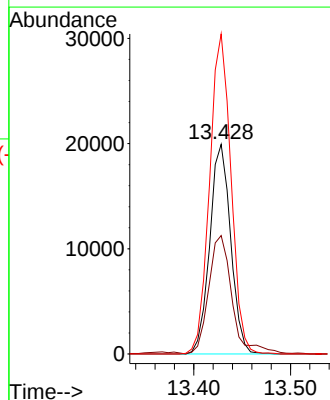
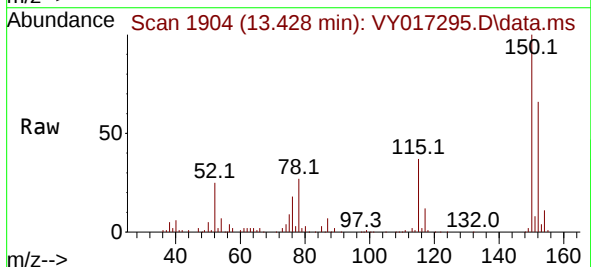
Tgt Ion:152 Resp: 30018

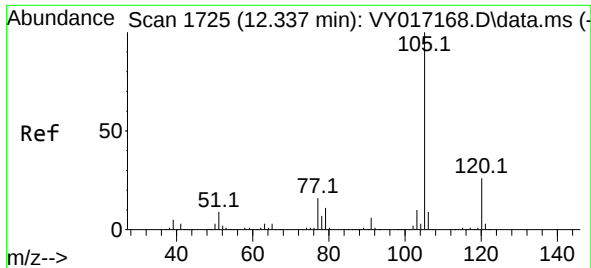
Ion Ratio Lower Upper

152 100

115 63.1 30.0 90.0

150 155.5 0.0 344.6

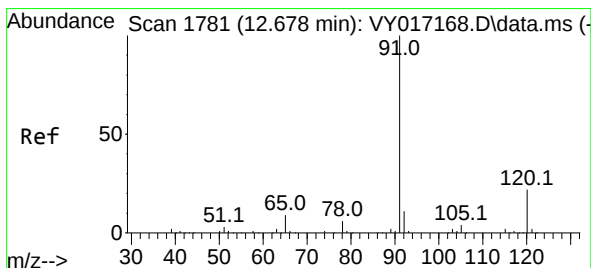
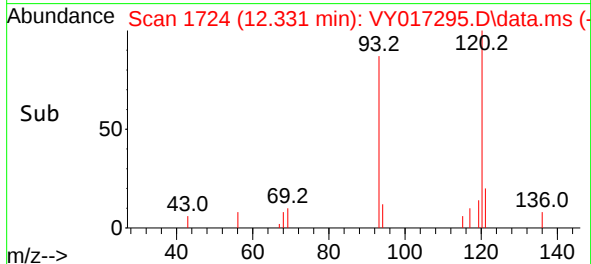
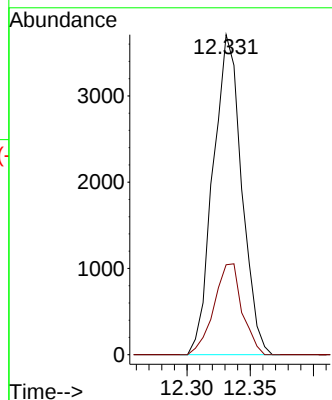
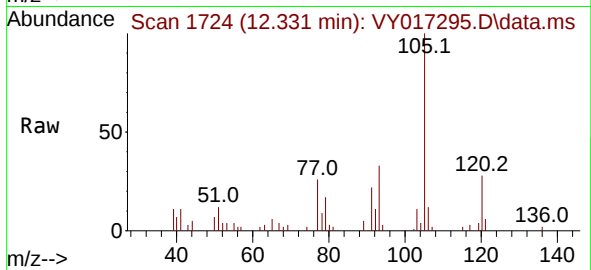




#73
Isopropylbenzene
Concen: 2.643 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.006 min
Lab File: VY017295.D
Acq: 07 Feb 2024 17:36

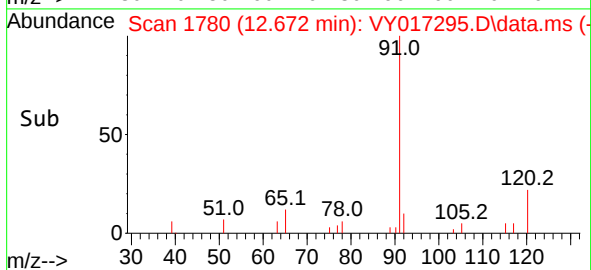
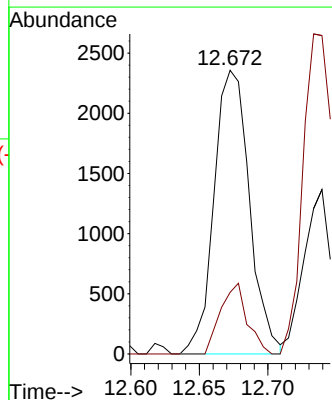
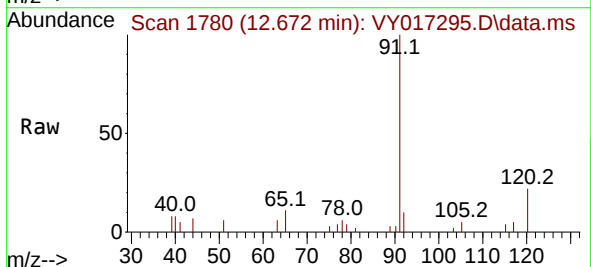
Instrument :
MSVOA_Y
ClientSampleId :
B-5(10-12)

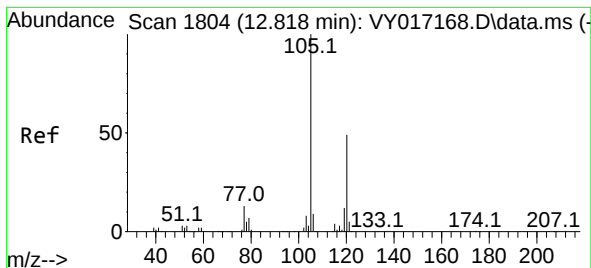
Tgt Ion:105 Resp: 5829
Ion Ratio Lower Upper
105 100
120 27.9 13.0 39.0



#78
n-propylbenzene
Concen: 1.564 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.006 min
Lab File: VY017295.D
Acq: 07 Feb 2024 17:36

Tgt Ion: 91 Resp: 4236
Ion Ratio Lower Upper
91 100
120 18.7 11.0 33.0





#80

1,3,5-Trimethylbenzene

Concen: 6.085 ug/l

RT: 12.813 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017295.D

Acq: 07 Feb 2024 17:36

Instrument :

MSVOA_Y

ClientSampleId :

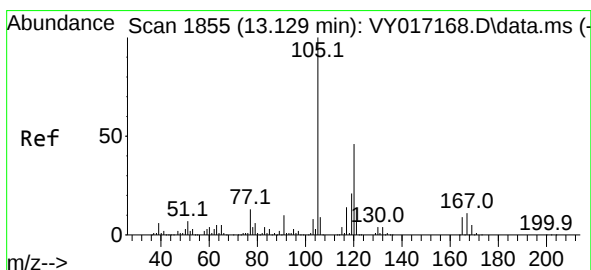
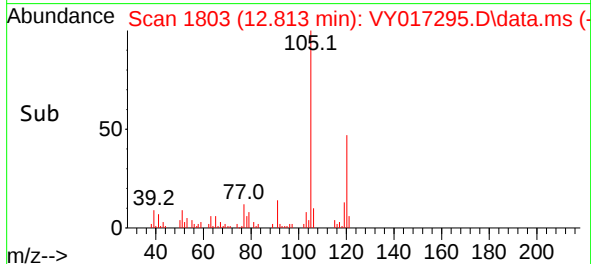
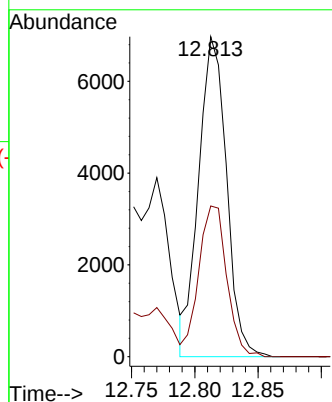
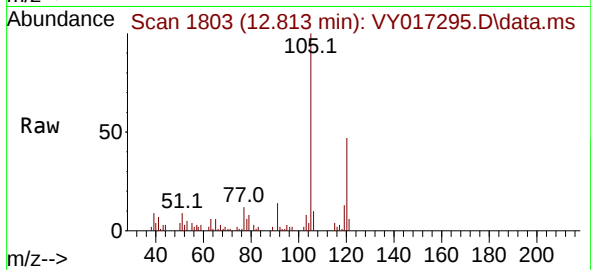
B-5(10-12)

Tgt Ion:105 Resp: 10673

Ion Ratio Lower Upper

105 100

120 47.6 24.3 72.8



#84

1,2,4-Trimethylbenzene

Concen: 12.955 ug/l

RT: 13.124 min Scan# 1854

Delta R.T. -0.006 min

Lab File: VY017295.D

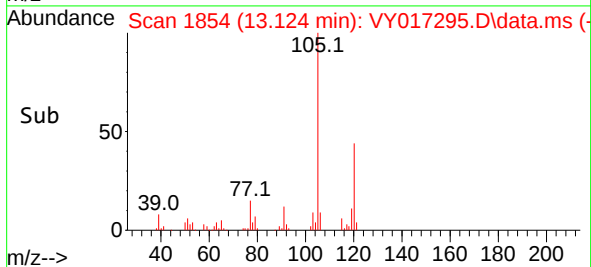
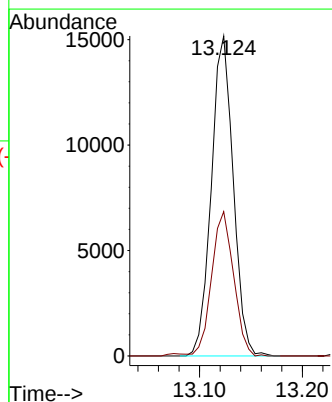
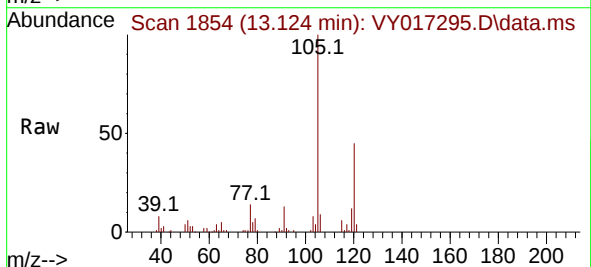
Acq: 07 Feb 2024 17:36

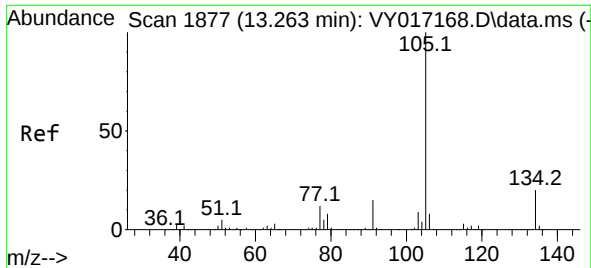
Tgt Ion:105 Resp: 22427

Ion Ratio Lower Upper

105 100

120 45.2 22.1 66.3

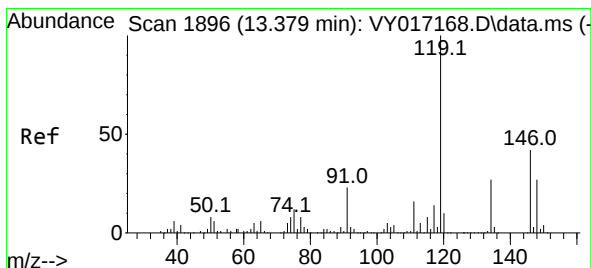
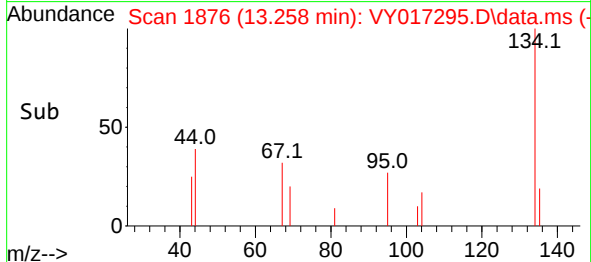
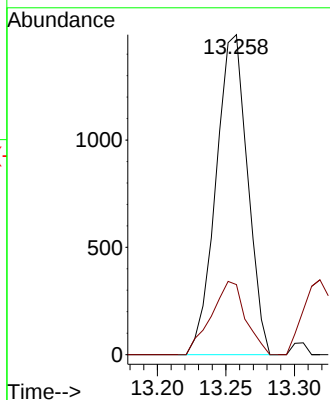
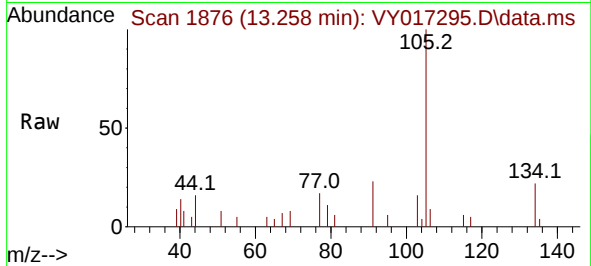




#85
 sec-Butylbenzene
 Concen: 1.017 ug/l
 RT: 13.258 min Scan# 1876
 Delta R.T. -0.006 min
 Lab File: VY017295.D
 Acq: 07 Feb 2024 17:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-5(10-12)

Tgt Ion:105 Resp: 2390
 Ion Ratio Lower Upper
 105 100
 134 24.8 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 1.556 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. -0.012 min
 Lab File: VY017295.D
 Acq: 07 Feb 2024 17:36

Tgt Ion:119 Resp: 2922
 Ion Ratio Lower Upper
 119 100
 134 20.9 13.1 39.1
 91 19.2 11.7 35.0

