

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
 Data File : VY015867.D
 Acq On : 06 Oct 2023 17:10
 Operator : SY/MD
 Sample : 04767-06
 Misc : 6.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 Q-4(0-5)

Quant Time: Oct 07 07:29:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 05:54:04 2023
 Response via : Initial Calibration

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

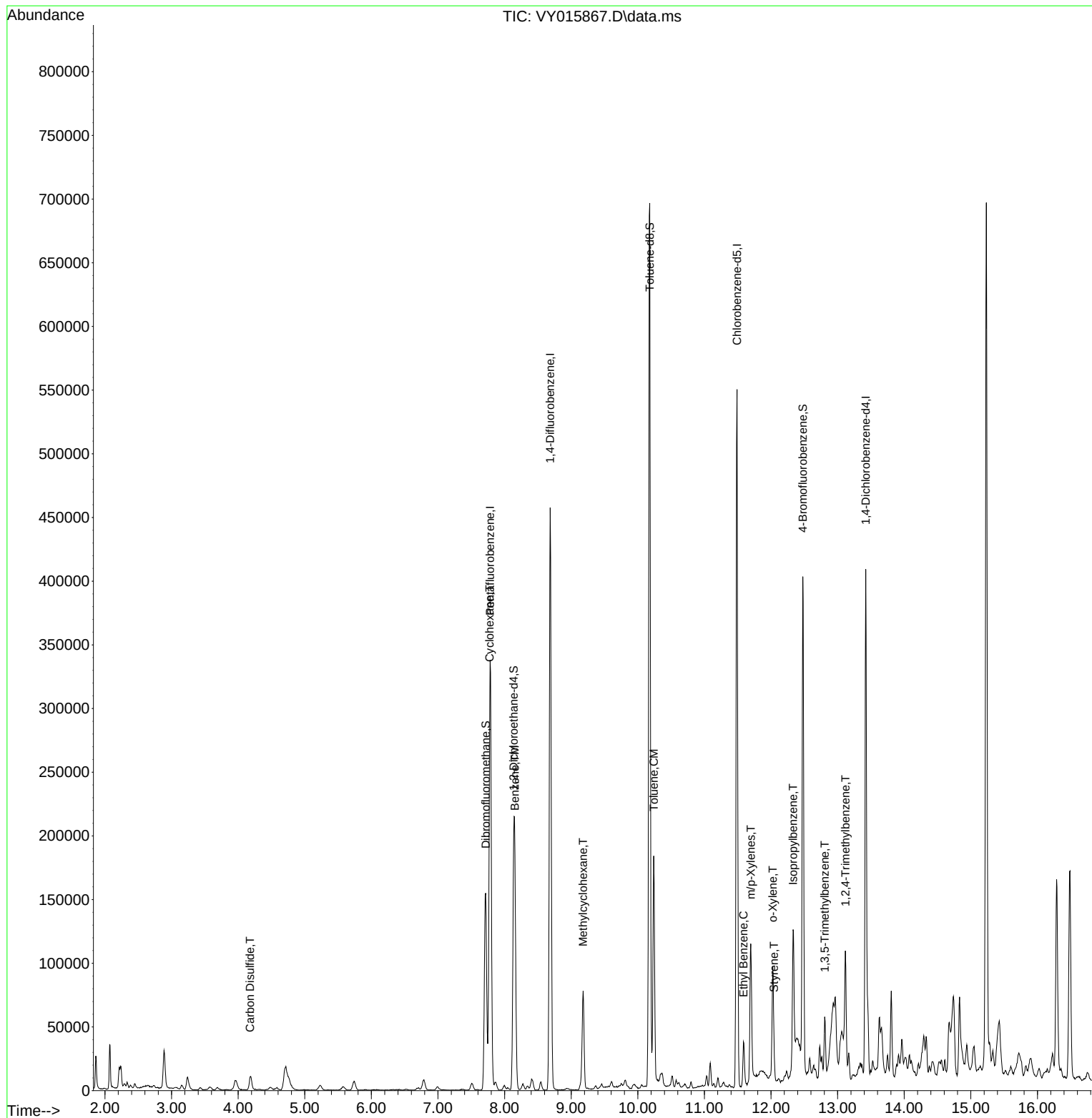
Internal Standards						
1) Pentafluorobenzene	7.783	168	250841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	400510	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	300684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	100406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	119680	48.495	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.000%
35) Dibromofluoromethane	7.716	113	114160	50.006	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.020%
50) Toluene-d8	10.179	98	454796	61.359	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	122.720%
62) 4-Bromofluorobenzene	12.477	95	115782	38.216	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.440%
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.180	76	22929	11.503	ug/l	99
31) Cyclohexane	7.777	56	17629	6.337	ug/l #	61
39) Methylcyclohexane	9.179	83	32767	11.249	ug/l	98
40) Benzene	8.155	78	112640	13.180	ug/l	98
52) Toluene	10.240	92	74857	13.387	ug/l	92
67) Ethyl Benzene	11.587	91	24479	2.572	ug/l	97
68) m/p-Xylenes	11.697	106	33427	9.239	ug/l	94
69) o-Xylene	12.026	106	22098	6.141	ug/l	96
70) Styrene	12.044	104	9884	1.573	ug/l #	73
73) Isopropylbenzene	12.331	105	8142	1.252	ug/l	88
80) 1,3,5-Trimethylbenzene	12.806	105	19924	3.676	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	44180	8.113	ug/l	99

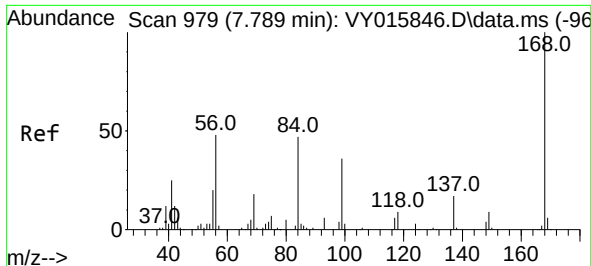
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
Data File : VY015867.D
Acq On : 06 Oct 2023 17:10
Operator : SY/MD
Sample : 04767-06
Misc : 6.80g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Q-4(0-5)

Quant Time: Oct 07 07:29:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 05:54:04 2023
Response via : Initial Calibration

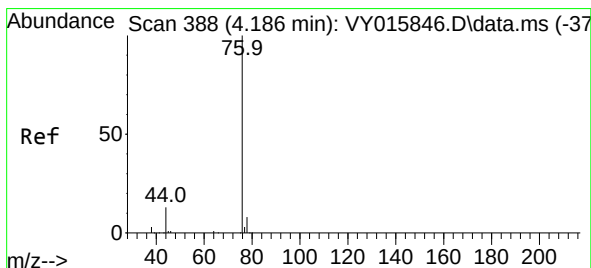
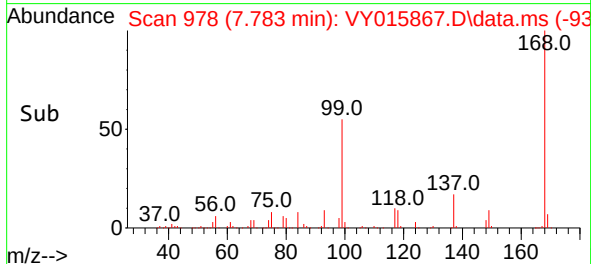
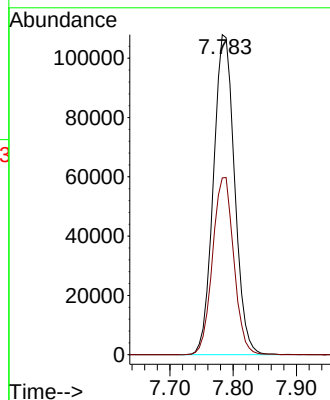
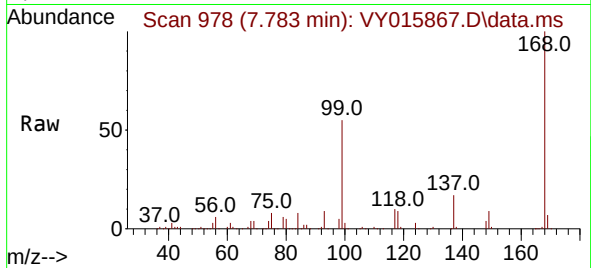




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015867.D
Acq: 06 Oct 2023 17:10

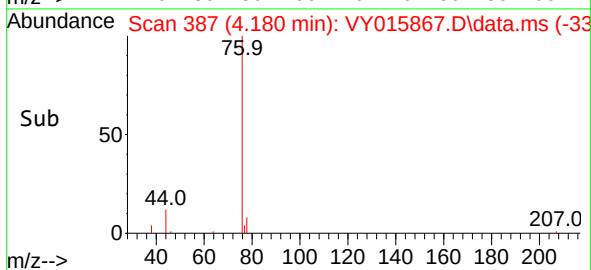
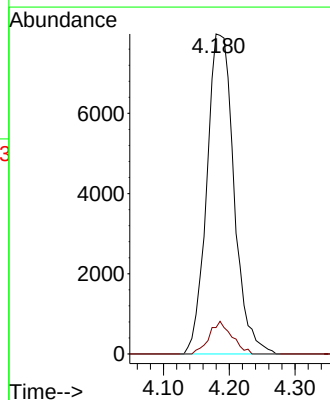
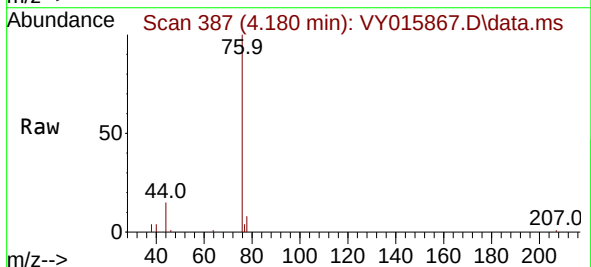
Instrument :
MSVOA_Y
ClientSampleId :
Q-4(0-5)

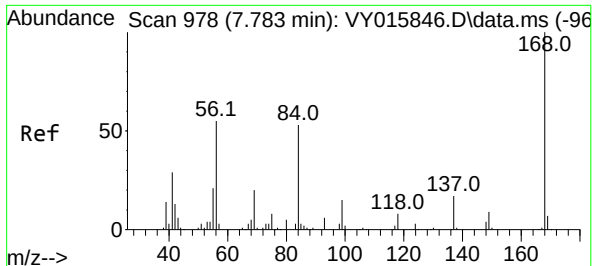
Tgt Ion:168 Resp: 250841
Ion Ratio Lower Upper
168 100
99 55.3 43.4 65.0



#17
Carbon Disulfide
Concen: 11.503 ug/l
RT: 4.180 min Scan# 387
Delta R.T. -0.006 min
Lab File: VY015867.D
Acq: 06 Oct 2023 17:10

Tgt Ion: 76 Resp: 22929
Ion Ratio Lower Upper
76 100
78 8.2 7.0 10.4

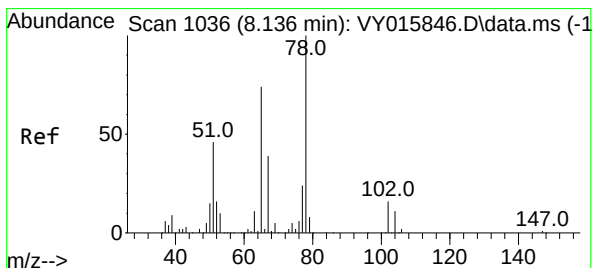
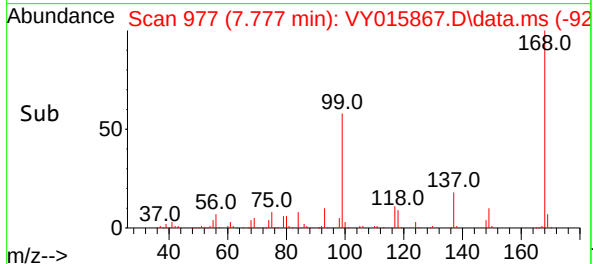
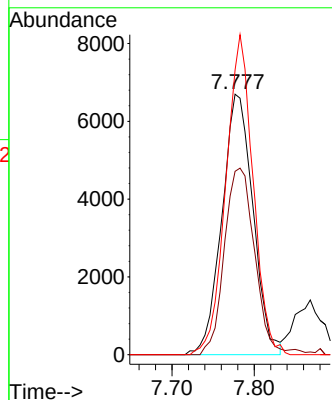
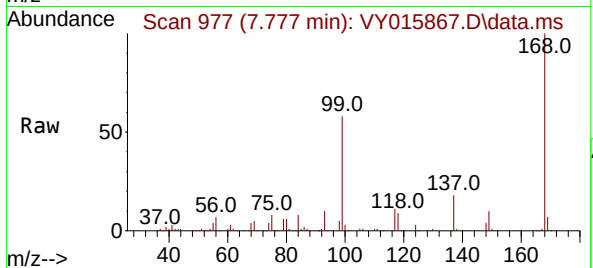




#31
Cyclohexane
Concen: 6.337 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015867.D
Acq: 06 Oct 2023 17:10

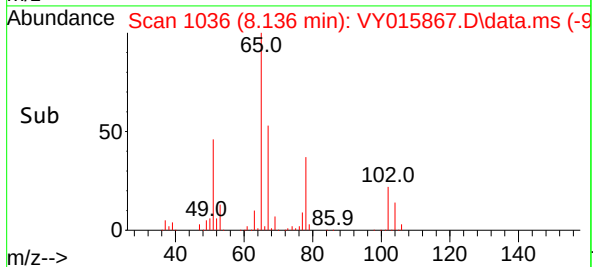
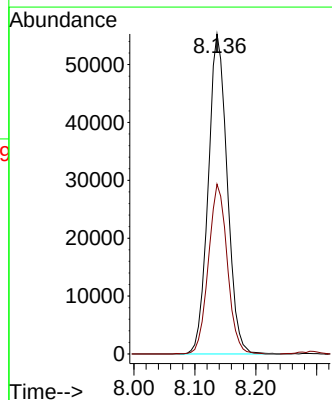
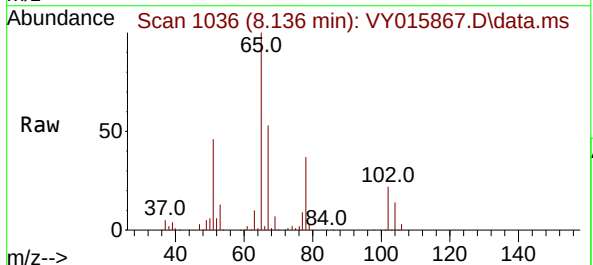
Instrument :
MSVOA_Y
ClientSampleId :
Q-4(0-5)

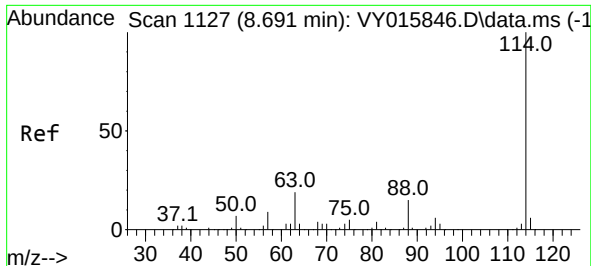
Tgt Ion: 56 Resp: 17629
Ion Ratio Lower Upper
56 100
69 70.4 27.8 41.6#
84 109.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 48.495 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015867.D
Acq: 06 Oct 2023 17:10

Tgt Ion: 65 Resp: 119680
Ion Ratio Lower Upper
65 100
67 52.7 0.0 101.8

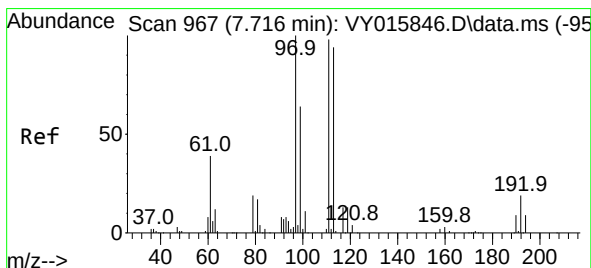
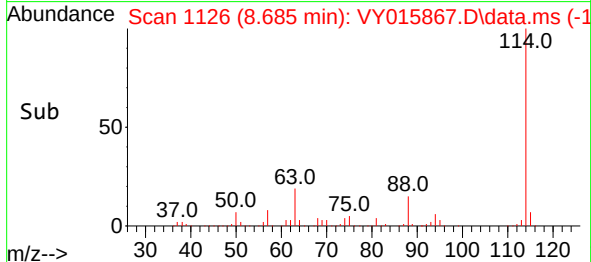
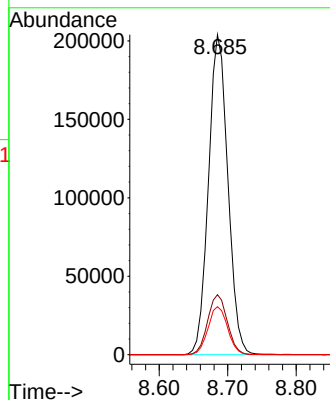
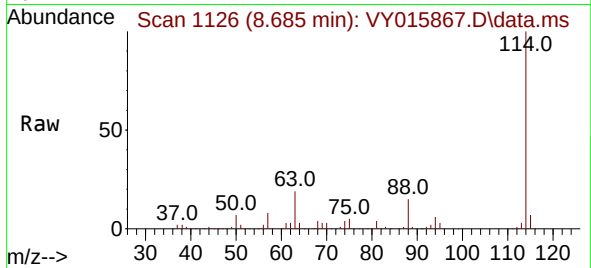




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY015867.D
Acq: 06 Oct 2023 17:10

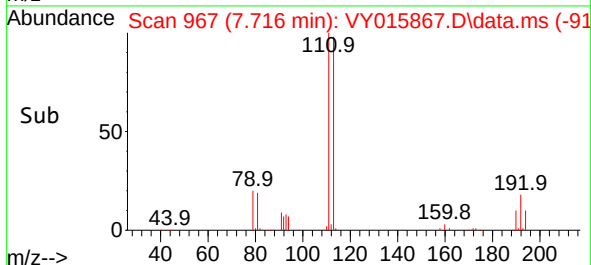
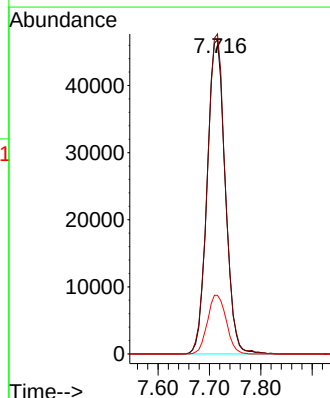
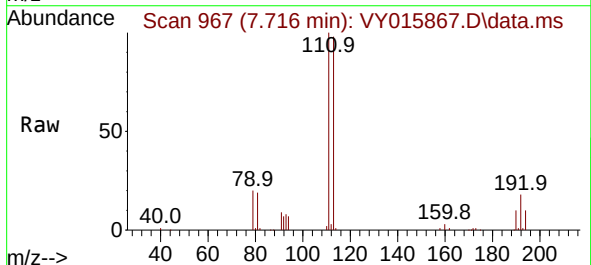
Instrument :
MSVOA_Y
ClientSampleId :
Q-4(0-5)

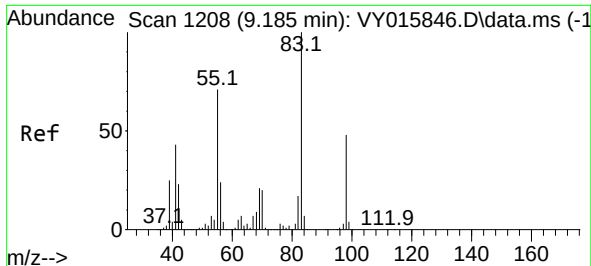
Tgt Ion:114 Resp: 400510
Ion Ratio Lower Upper
114 100
63 18.8 0.0 42.4
88 15.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.006 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY015867.D
Acq: 06 Oct 2023 17:10

Tgt Ion:113 Resp: 114160
Ion Ratio Lower Upper
113 100
111 101.5 81.3 121.9
192 19.4 16.9 25.3





#39

Methylcyclohexane

Concen: 11.249 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY015867.D

Acq: 06 Oct 2023 17:10

Instrument :

MSVOA_Y

ClientSampleId :

Q-4(0-5)

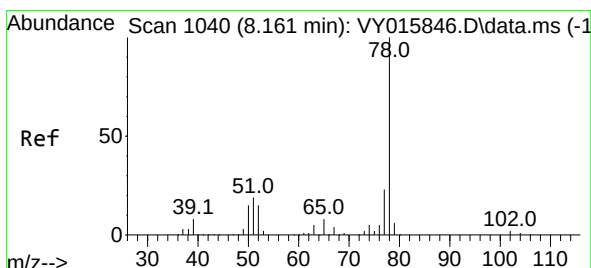
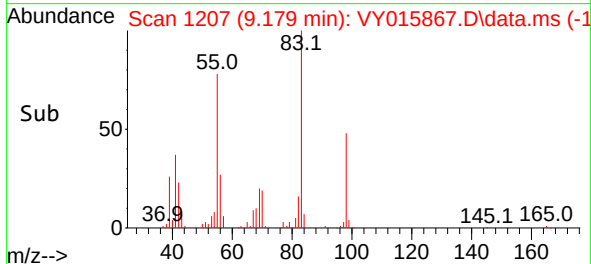
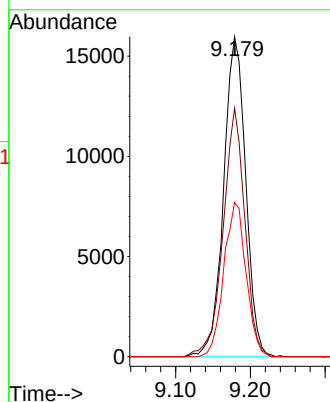
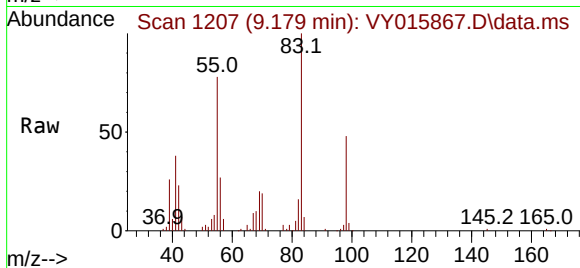
Tgt Ion: 83 Resp: 32767

Ion Ratio Lower Upper

83 100

55 77.6 63.0 94.4

98 48.2 37.4 56.2



#40

Benzene

Concen: 13.180 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY015867.D

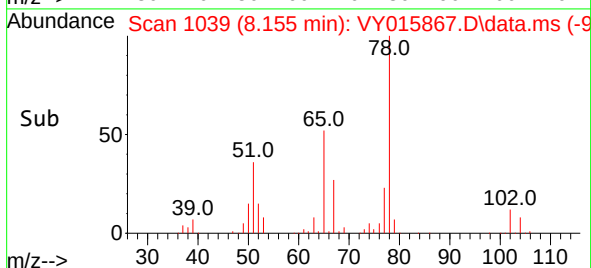
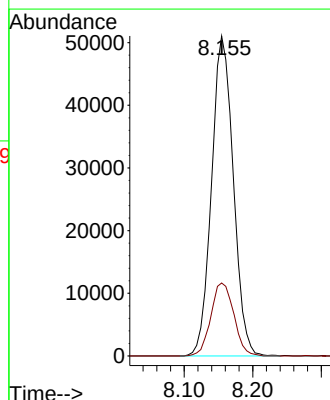
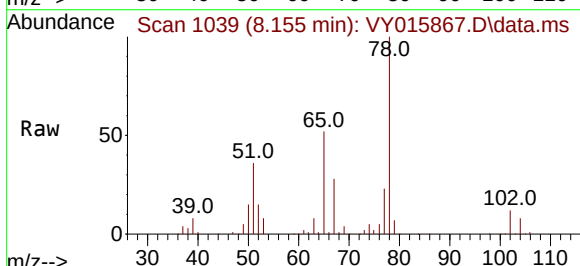
Acq: 06 Oct 2023 17:10

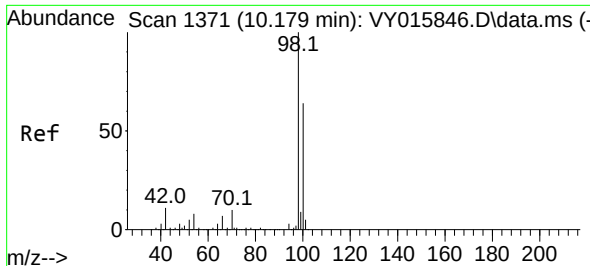
Tgt Ion: 78 Resp: 112640

Ion Ratio Lower Upper

78 100

77 22.8 19.0 28.6

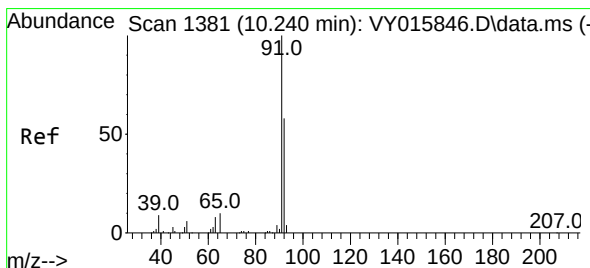
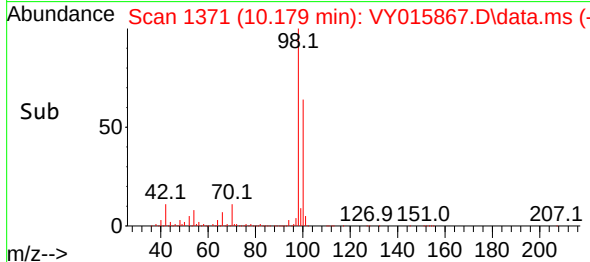
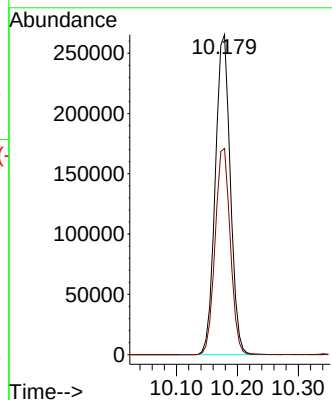
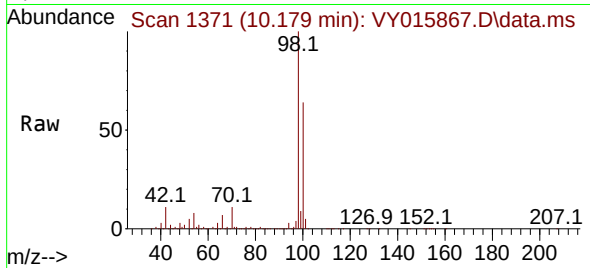




#50
Toluene-d8
Concen: 61.359 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015867.D
Acq: 06 Oct 2023 17:10

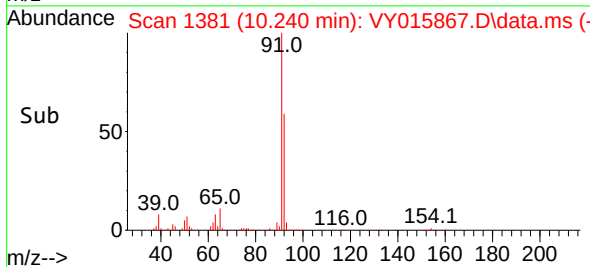
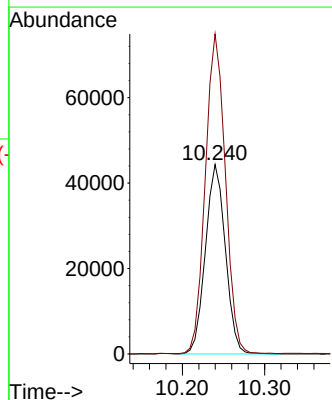
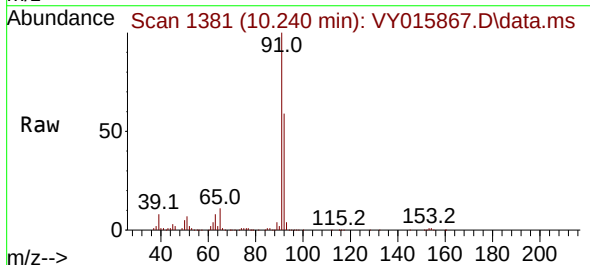
Instrument :
MSVOA_Y
ClientSampleId :
Q-4(0-5)

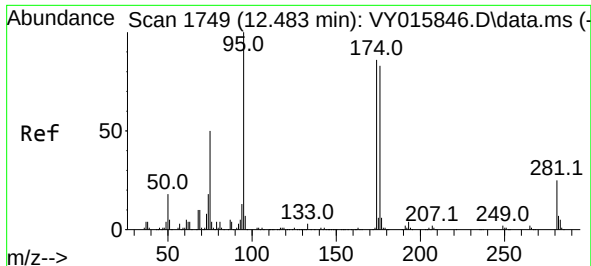
Tgt Ion: 98 Resp: 454796
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1



#52
Toluene
Concen: 13.387 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY015867.D
Acq: 06 Oct 2023 17:10

Tgt Ion: 92 Resp: 74857
Ion Ratio Lower Upper
92 100
91 168.9 143.8 215.6

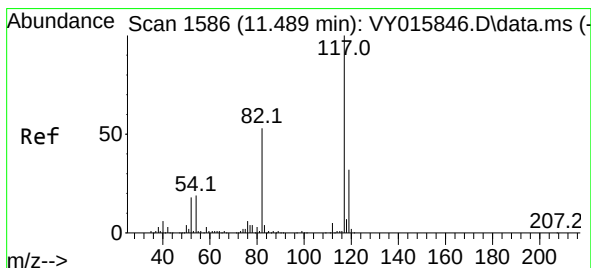
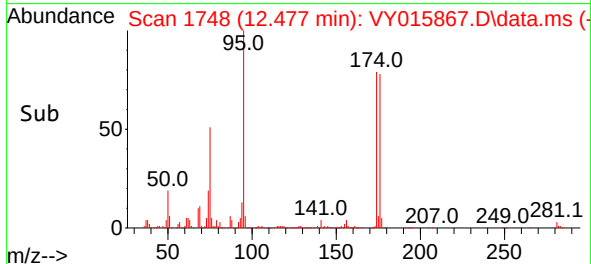
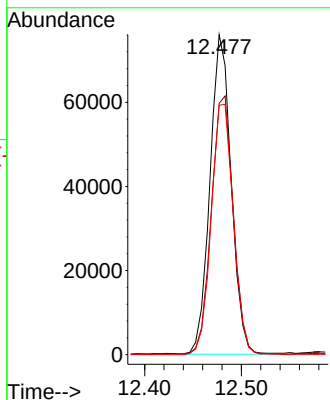
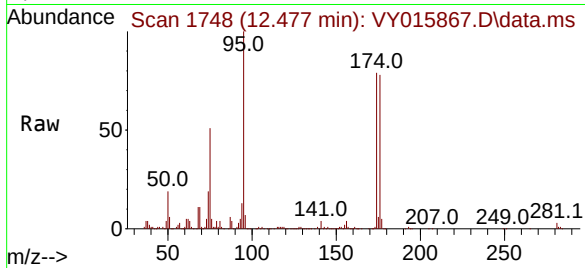




#62
4-Bromofluorobenzene
Concen: 38.216 ug/l
RT: 12.477 min Scan# 115782
Delta R.T. -0.006 min
Lab File: VY015867.D
Acq: 06 Oct 2023 17:10

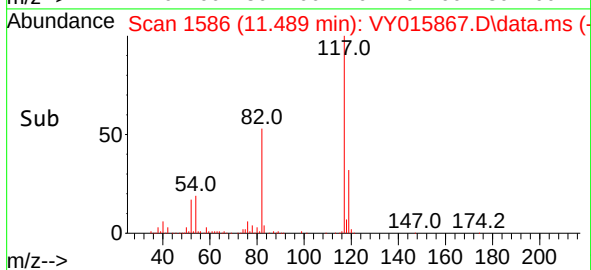
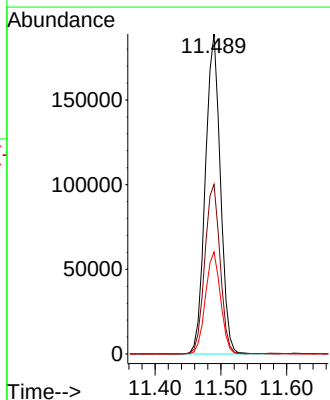
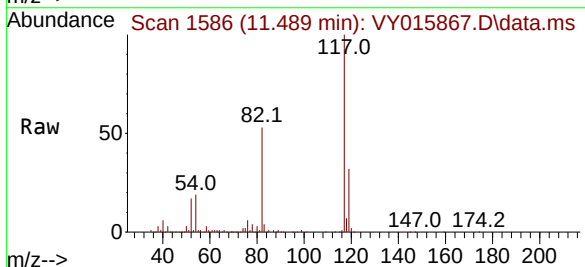
Instrument :
MSVOA_Y
ClientSampleId :
Q-4(0-5)

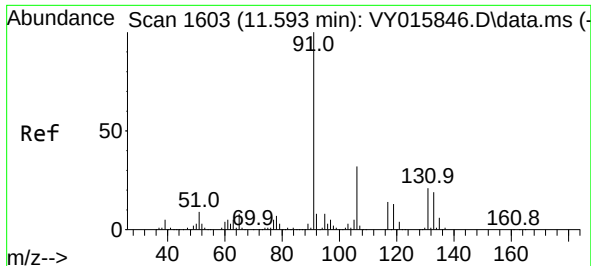
Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	178.2
176	81.7	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015867.D
Acq: 06 Oct 2023 17:10

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.0	43.4	65.0
119	31.9	26.3	39.5





#67

Ethyl Benzene

Concen: 2.572 ug/l

RT: 11.587 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY015867.D

Acq: 06 Oct 2023 17:10

Instrument :

MSVOA_Y

ClientSampleId :

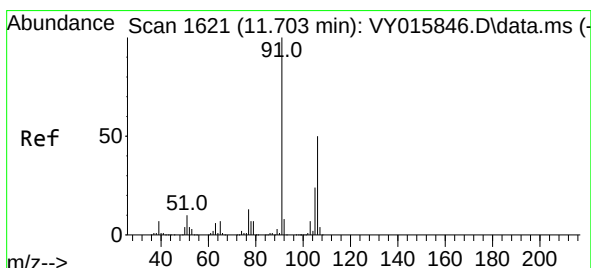
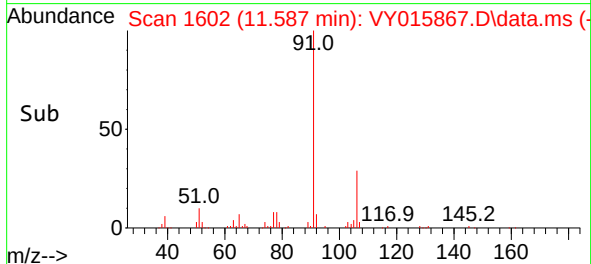
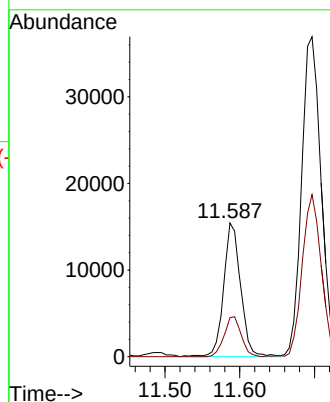
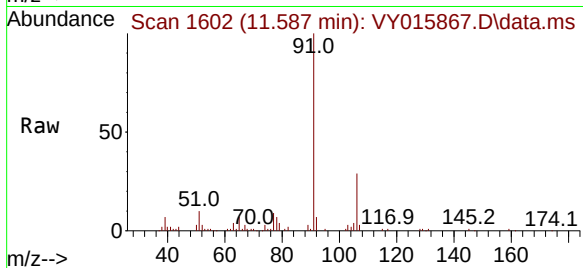
Q-4(0-5)

Tgt Ion: 91 Resp: 24479

Ion Ratio Lower Upper

91 100

106 29.2 24.6 36.8



#68

m/p-Xylenes

Concen: 9.239 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY015867.D

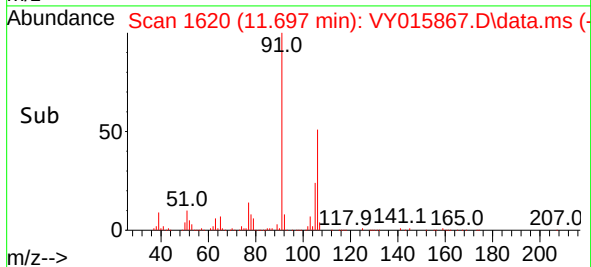
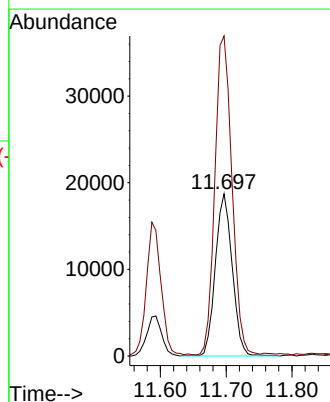
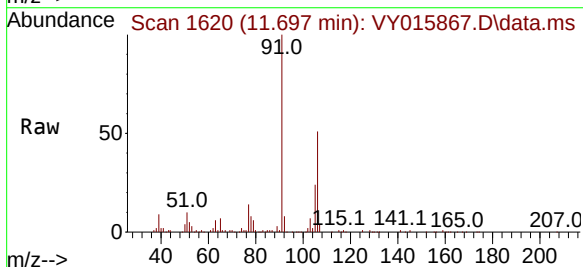
Acq: 06 Oct 2023 17:10

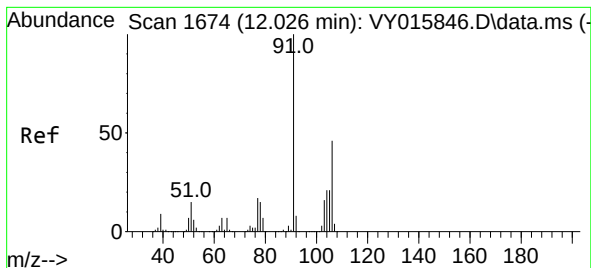
Tgt Ion:106 Resp: 33427

Ion Ratio Lower Upper

106 100

91 198.8 166.1 249.1





#69

o-Xylene

Concen: 6.141 ug/l

RT: 12.026 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY015867.D

Acq: 06 Oct 2023 17:10

Instrument :

MSVOA_Y

ClientSampleId :

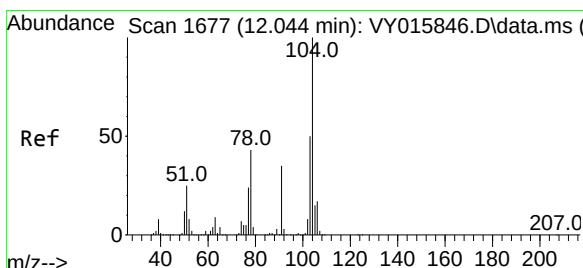
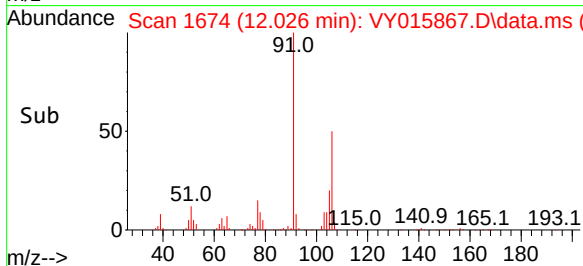
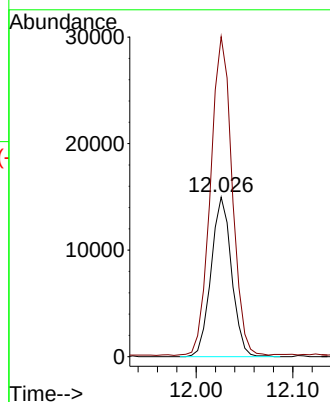
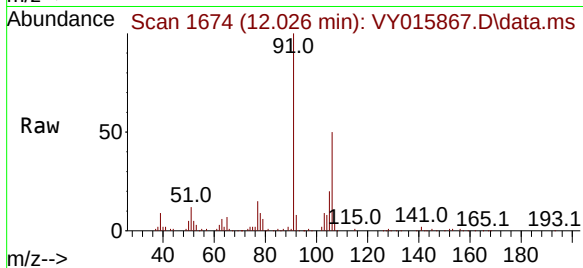
Q-4(0-5)

Tgt Ion:106 Resp: 22098

Ion Ratio Lower Upper

106 100

91 210.4 108.1 324.3



#70

Styrene

Concen: 1.573 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VY015867.D

Acq: 06 Oct 2023 17:10

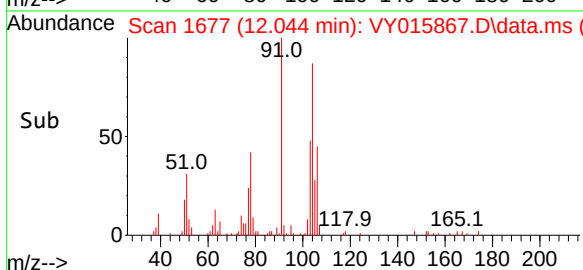
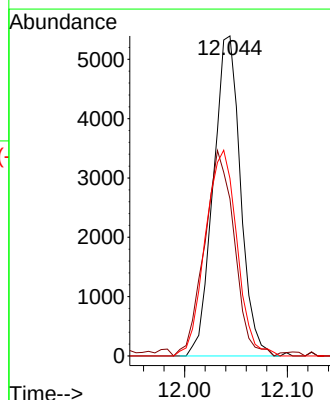
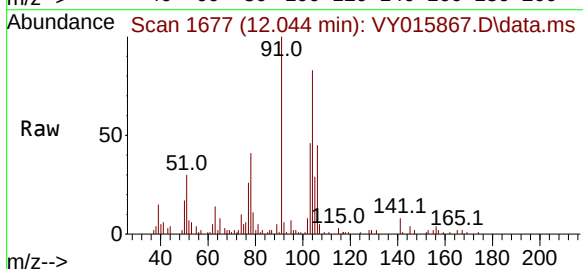
Tgt Ion:104 Resp: 9884

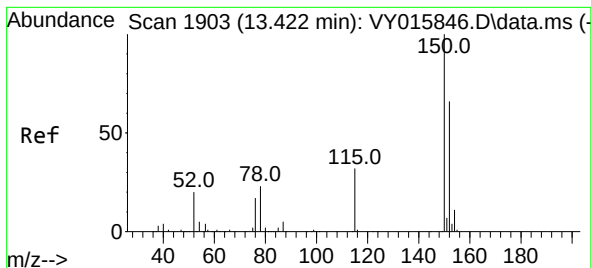
Ion Ratio Lower Upper

104 100

78 70.8 41.5 62.3#

103 75.2 44.6 67.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015867.D

Acq: 06 Oct 2023 17:10

Instrument :

MSVOA_Y

ClientSampleId :

Q-4(0-5)

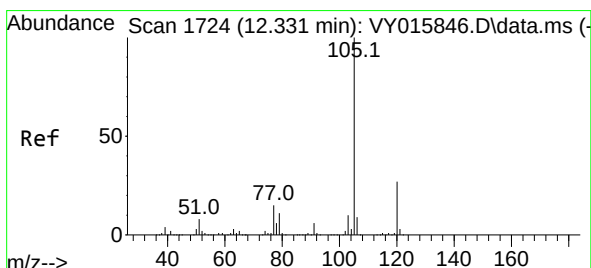
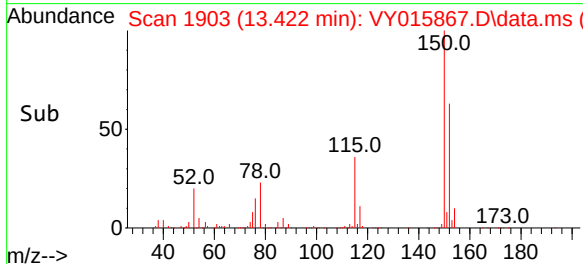
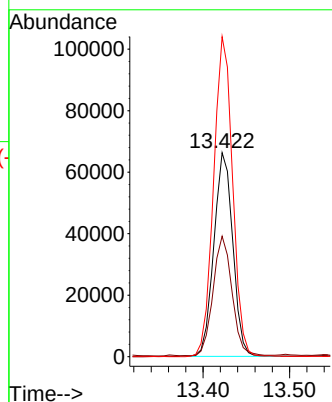
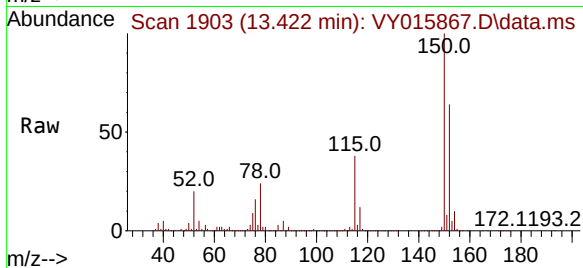
Tgt Ion:152 Resp: 100406

Ion Ratio Lower Upper

152 100

115 58.5 28.8 86.5

150 158.0 0.0 348.8



#73

Isopropylbenzene

Concen: 1.252 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. 0.000 min

Lab File: VY015867.D

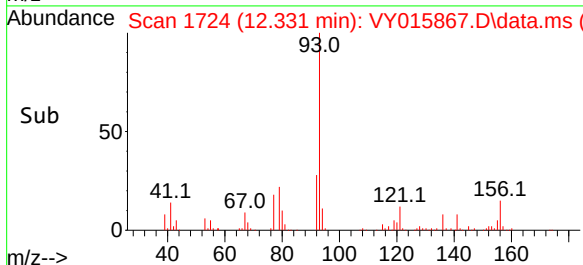
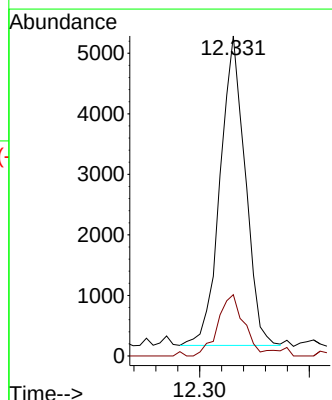
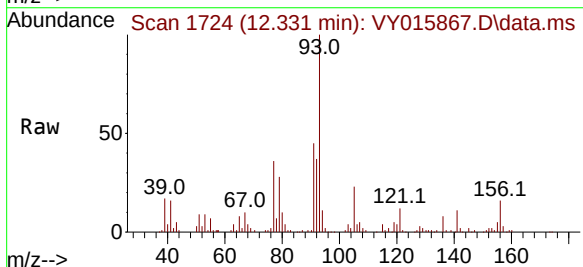
Acq: 06 Oct 2023 17:10

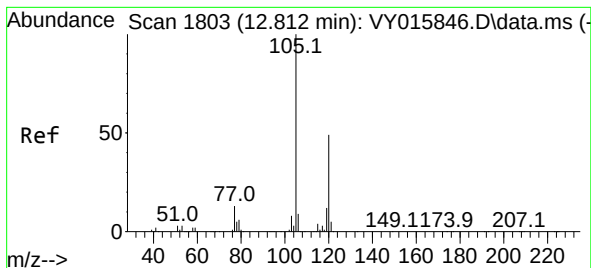
Tgt Ion:105 Resp: 8142

Ion Ratio Lower Upper

105 100

120 20.7 13.3 39.9





#80

1,3,5-Trimethylbenzene

Concen: 3.676 ug/l

RT: 12.806 min Scan# 1802

Delta R.T. -0.006 min

Lab File: VY015867.D

Acq: 06 Oct 2023 17:10

Instrument :

MSVOA_Y

ClientSampleId :

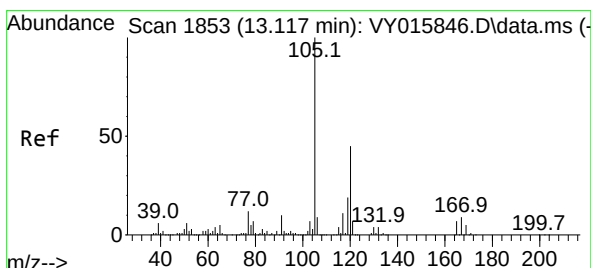
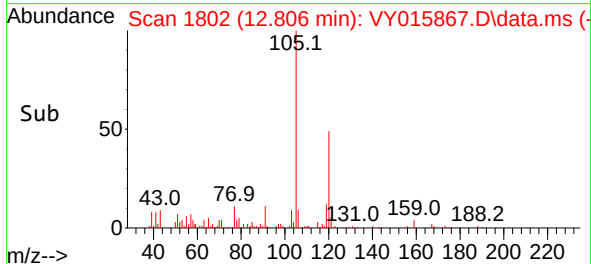
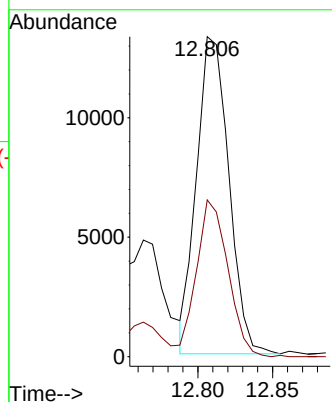
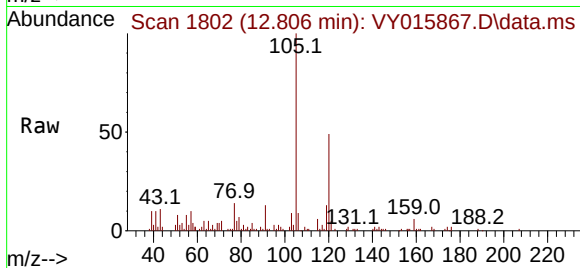
Q-4(0-5)

Tgt Ion:105 Resp: 19924

Ion Ratio Lower Upper

105 100

120 48.7 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 8.113 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY015867.D

Acq: 06 Oct 2023 17:10

Tgt Ion:105 Resp: 44180

Ion Ratio Lower Upper

105 100

120 44.9 22.2 66.6

