

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090324\
 Data File : VY019425.D
 Acq On : 03 Sep 2024 13:40
 Operator : SY/MD
 Sample : P3787-05
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-3

Quant Time: Sep 03 15:19:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082924S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 02:45:30 2024
 Response via : Initial Calibration

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

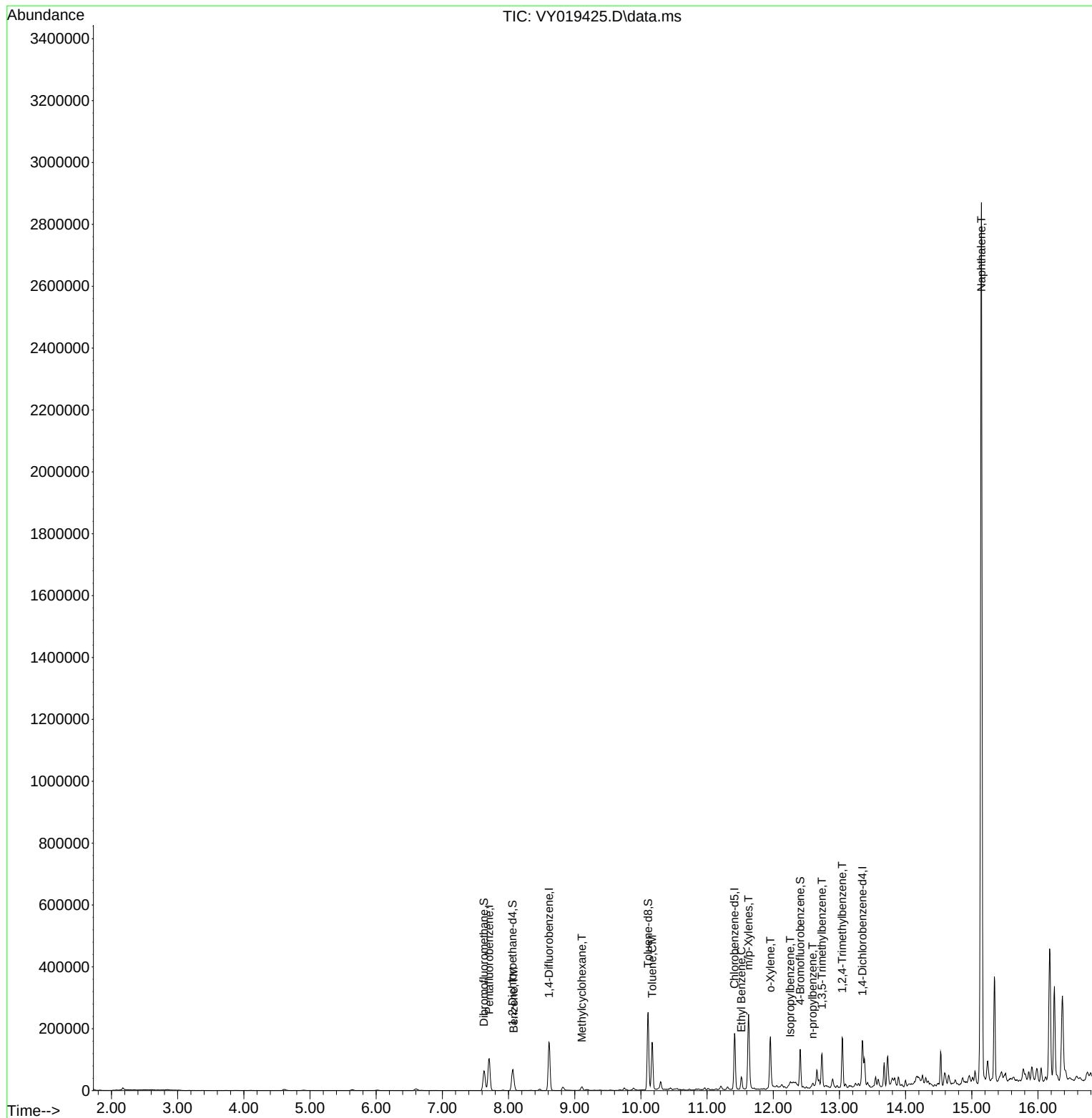
Internal Standards						
1) Pentafluorobenzene	7.707	168	80298	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	139601	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	99831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	36700	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	43610	57.339	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.680%
35) Dibromofluoromethane	7.628	113	44796	50.754	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.500%
50) Toluene-d8	10.109	98	157249	48.399	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.800%
62) 4-Bromofluorobenzene	12.408	95	36224	34.471	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	68.940%
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.110	83	4905	3.067	ug/l	94
40) Benzene	8.079	78	20870	5.498	ug/l	92
52) Toluene	10.170	92	63951	25.699	ug/l	96
67) Ethyl Benzene	11.518	91	27867	7.136	ug/l	98
68) m/p-Xylenes	11.627	106	70623	45.710	ug/l	98
69) o-Xylene	11.957	106	43453	30.195	ug/l	98
73) Isopropylbenzene	12.255	105	4295	1.468	ug/l	100
78) n-propylbenzene	12.597	91	9122	2.580	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	39818	17.270	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	86871	39.244	ug/l	99
95) Naphthalene	15.145	128	2255967	2395.296	ug/l	99

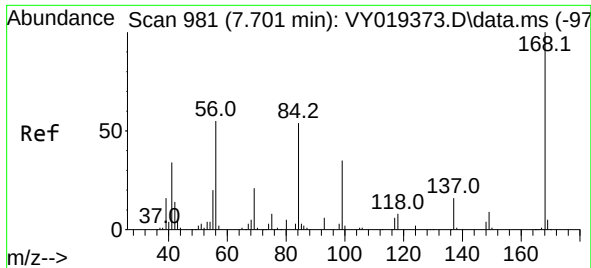
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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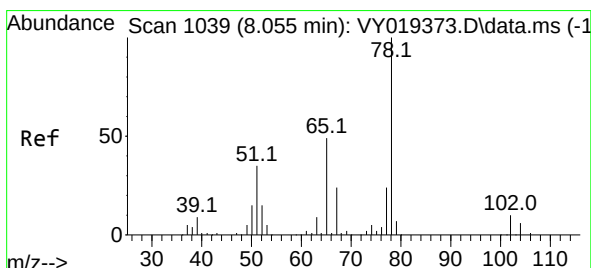
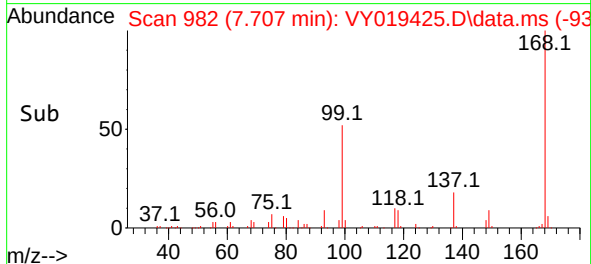
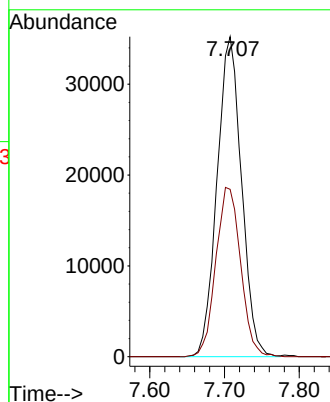
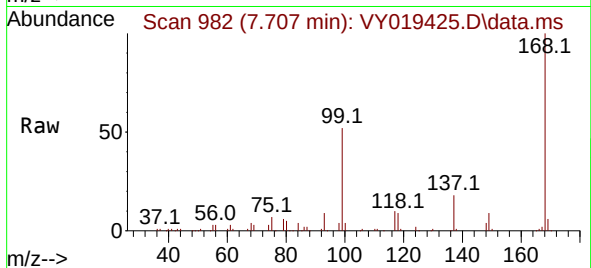




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019425.D
Acq: 03 Sep 2024 13:40

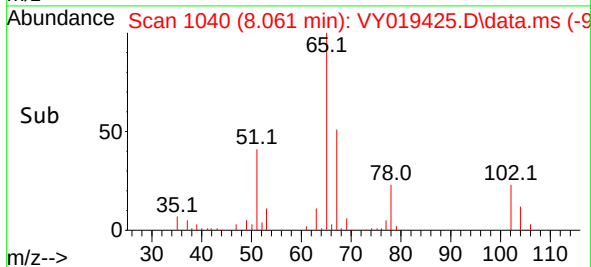
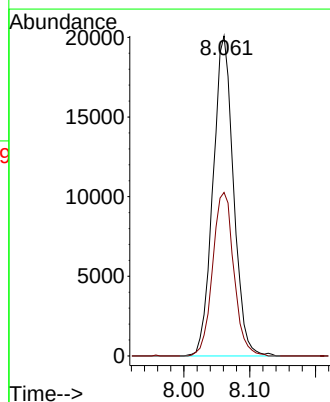
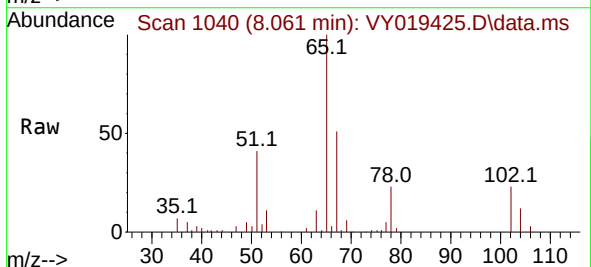
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

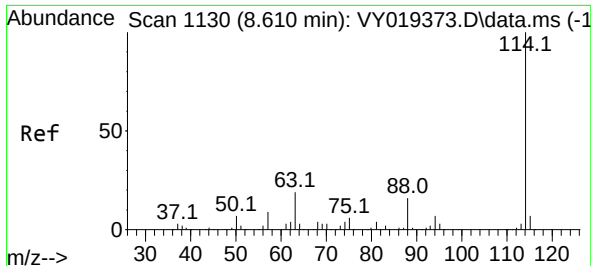
Tgt Ion:168 Resp: 80298
Ion Ratio Lower Upper
168 100
99 52.3 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 57.339 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY019425.D
Acq: 03 Sep 2024 13:40

Tgt Ion: 65 Resp: 43610
Ion Ratio Lower Upper
65 100
67 52.8 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY019425.D

Acq: 03 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

SB-3

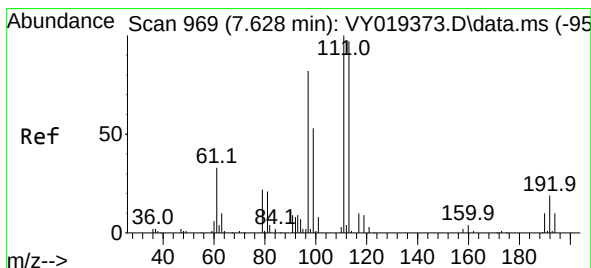
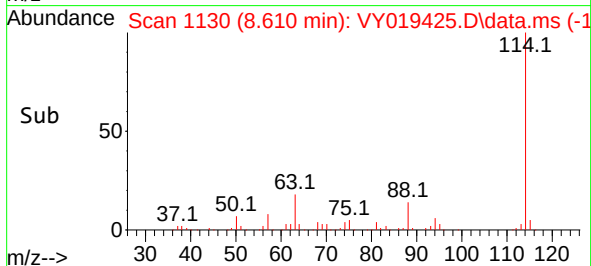
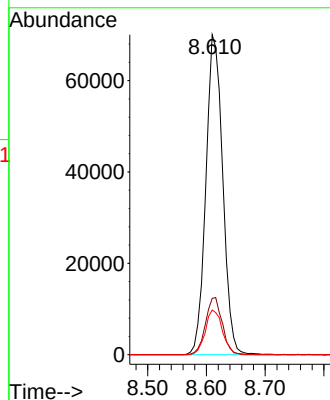
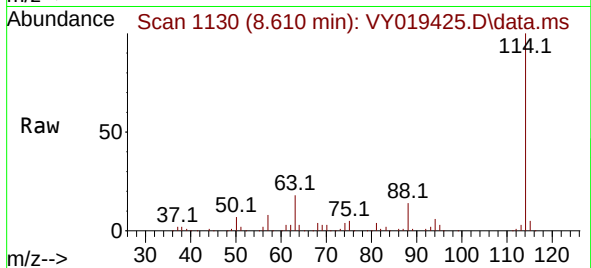
Tgt Ion:114 Resp: 139601

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.0

88 14.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.754 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY019425.D

Acq: 03 Sep 2024 13:40

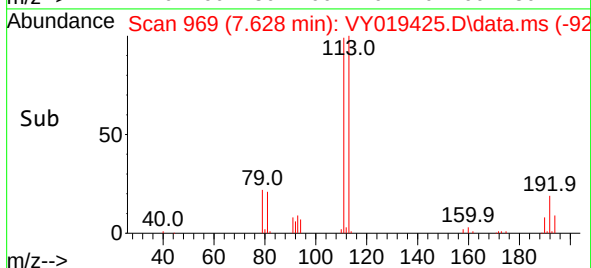
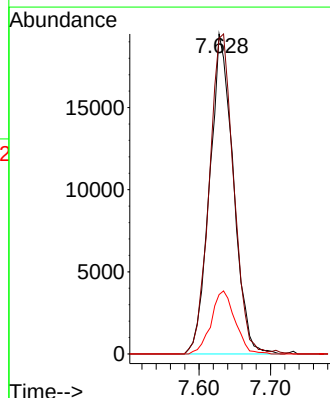
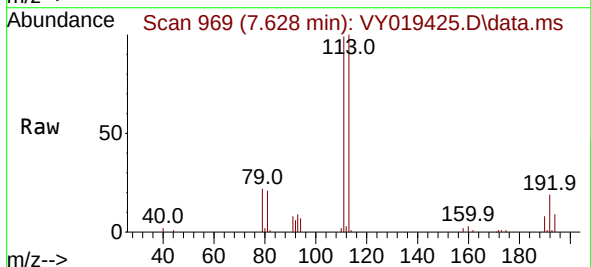
Tgt Ion:113 Resp: 44796

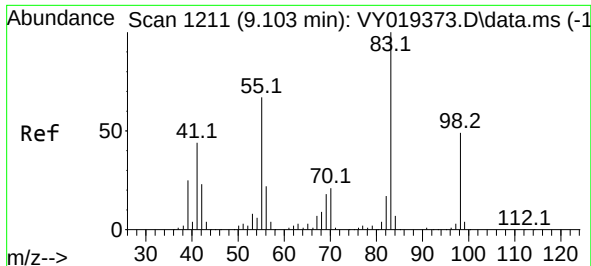
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

192 19.8 15.9 23.9





#39

Methylcyclohexane

Concen: 3.067 ug/l

RT: 9.110 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY019425.D

Acq: 03 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

SB-3

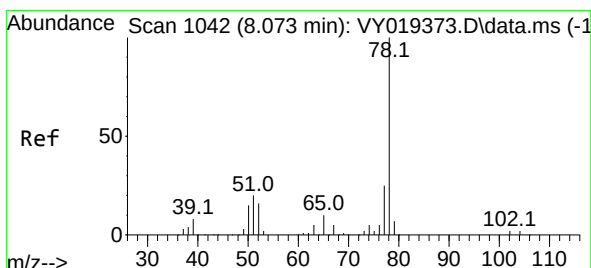
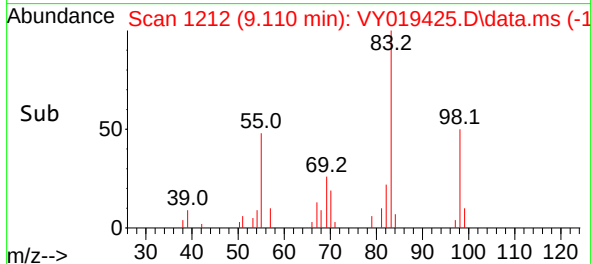
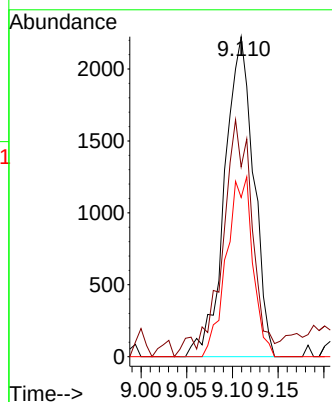
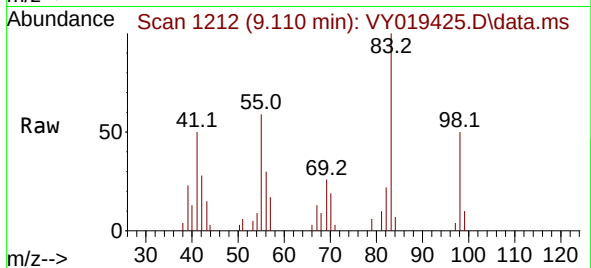
Tgt Ion: 83 Resp: 4905

Ion Ratio Lower Upper

83 100

55 57.0 51.5 77.3

98 49.8 40.5 60.7



#40

Benzene

Concen: 5.498 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY019425.D

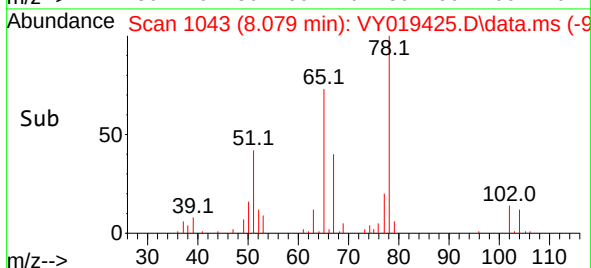
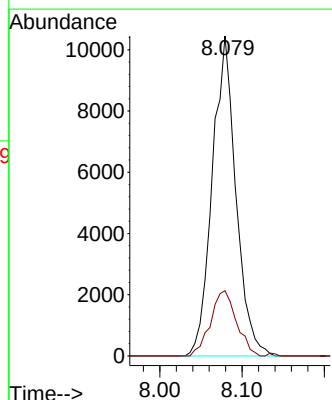
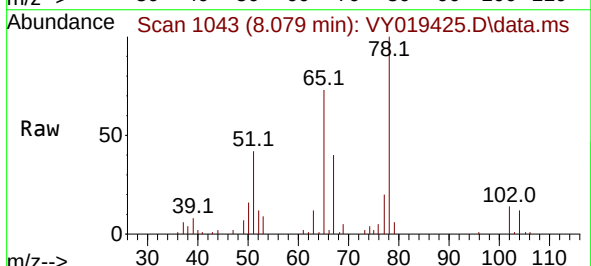
Acq: 03 Sep 2024 13:40

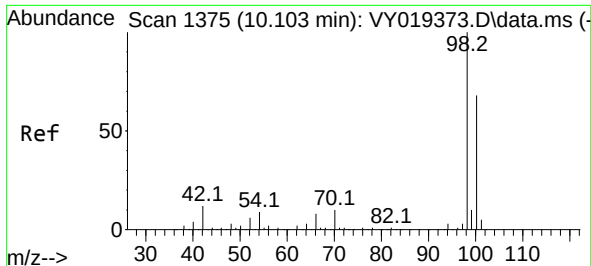
Tgt Ion: 78 Resp: 20870

Ion Ratio Lower Upper

78 100

77 20.4 19.5 29.3

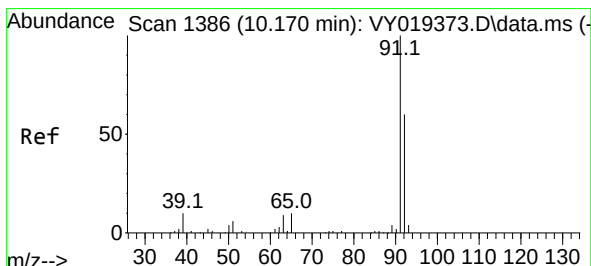
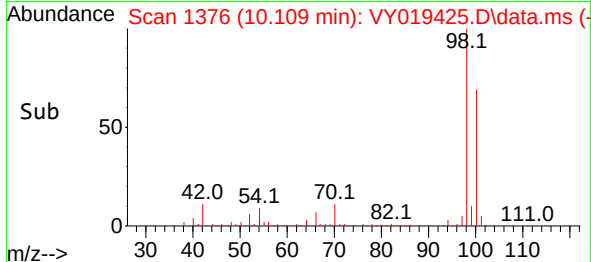
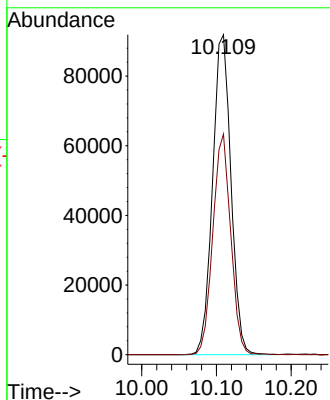
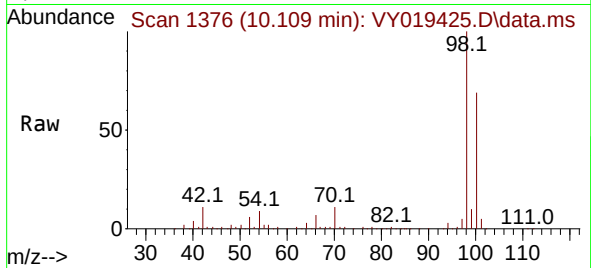




#50
Toluene-d8
Concen: 48.399 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY019425.D
Acq: 03 Sep 2024 13:40

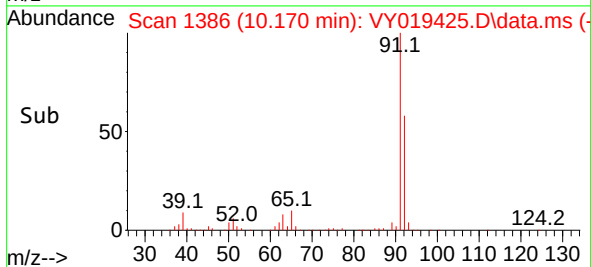
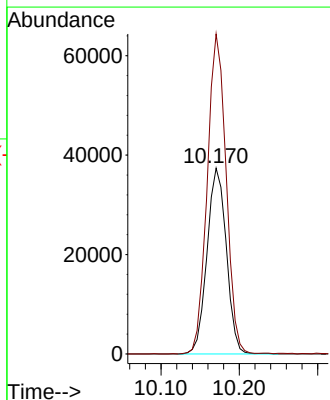
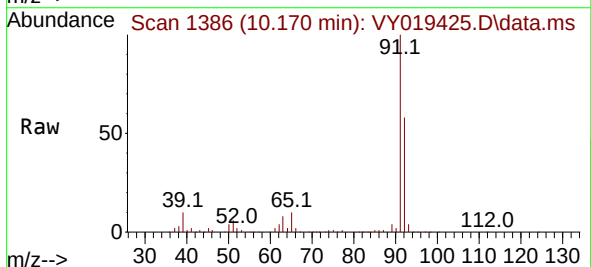
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

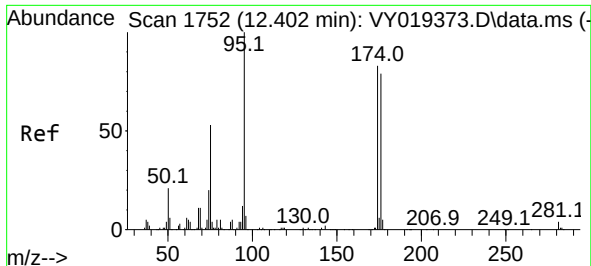
Tgt Ion: 98 Resp: 157249
Ion Ratio Lower Upper
98 100
100 67.0 52.0 78.0



#52
Toluene
Concen: 25.699 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY019425.D
Acq: 03 Sep 2024 13:40

Tgt Ion: 92 Resp: 63951
Ion Ratio Lower Upper
92 100
91 168.5 139.0 208.6

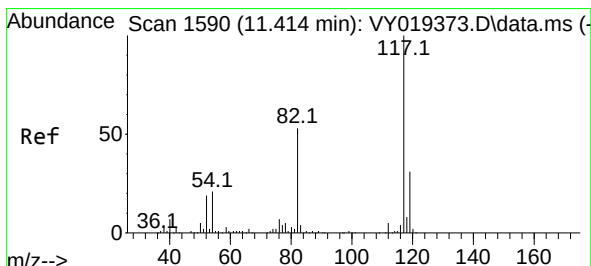
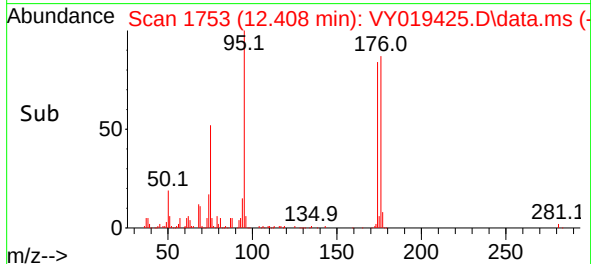
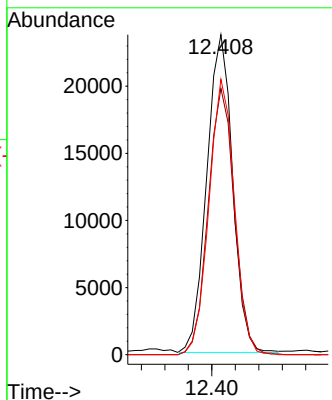
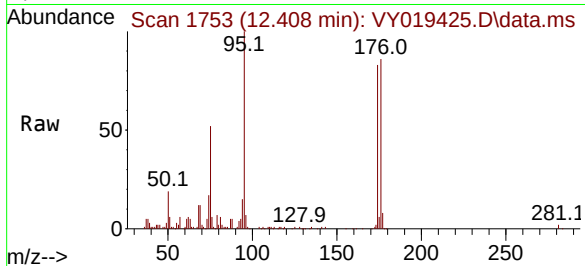




#62
4-Bromofluorobenzene
Concen: 34.471 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019425.D
Acq: 03 Sep 2024 13:40

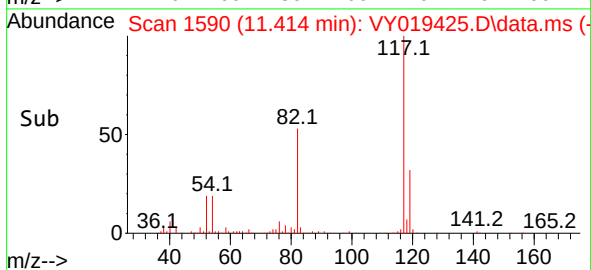
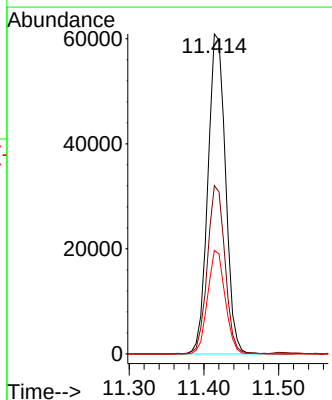
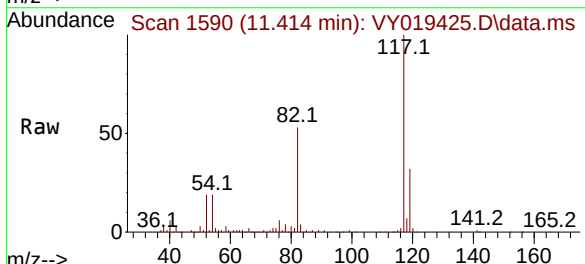
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

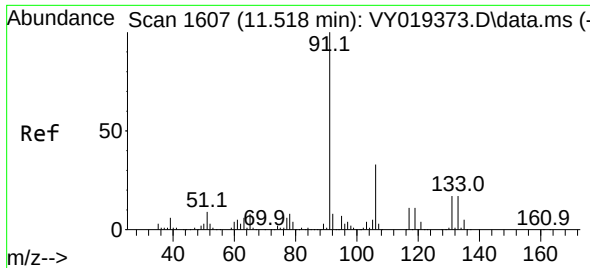
Tgt Ion:	95	Resp:	36224
Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	175.6
176	85.1	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY019425.D
Acq: 03 Sep 2024 13:40

Tgt Ion:	117	Resp:	99831
Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.4	63.6
119	32.4	25.9	38.9

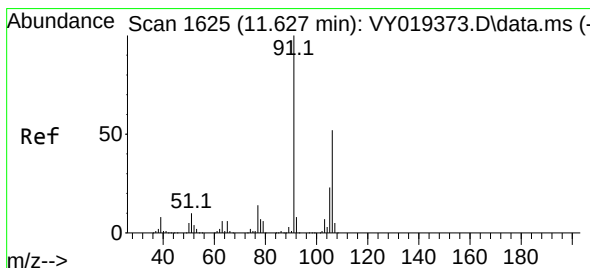
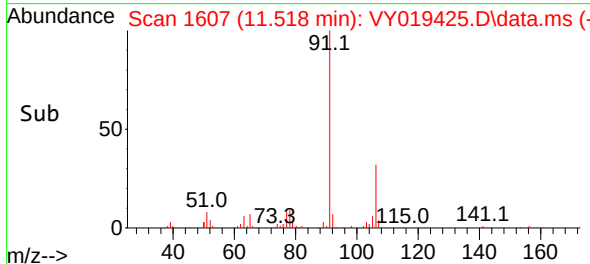
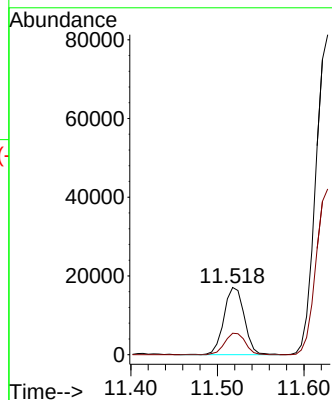
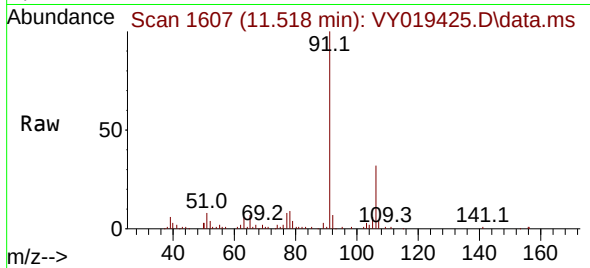




#67
Ethyl Benzene
Concen: 7.136 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY019425.D
Acq: 03 Sep 2024 13:40

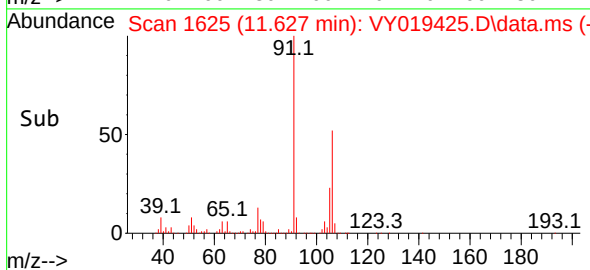
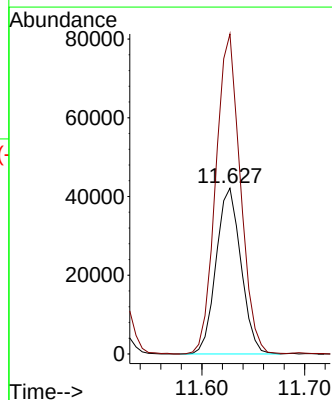
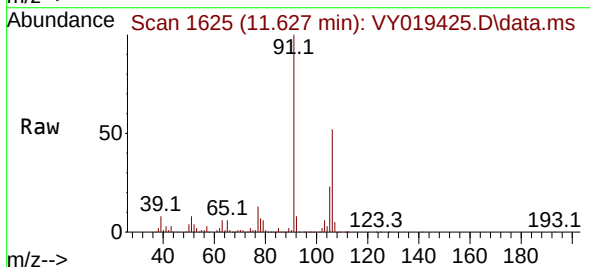
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

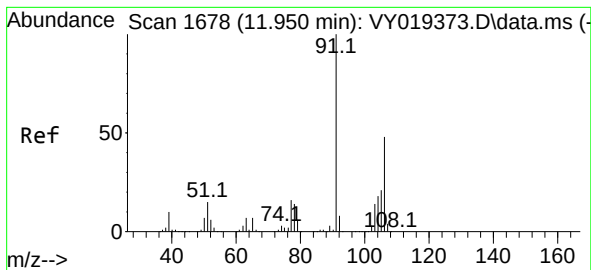
Tgt Ion: 91 Resp: 27867
Ion Ratio Lower Upper
91 100
106 31.9 24.5 36.7



#68
m/p-Xylenes
Concen: 45.710 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY019425.D
Acq: 03 Sep 2024 13:40

Tgt Ion: 106 Resp: 70623
Ion Ratio Lower Upper
106 100
91 191.5 156.0 234.0





#69

o-Xylene

Concen: 30.195 ug/l

RT: 11.957 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY019425.D

Acq: 03 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

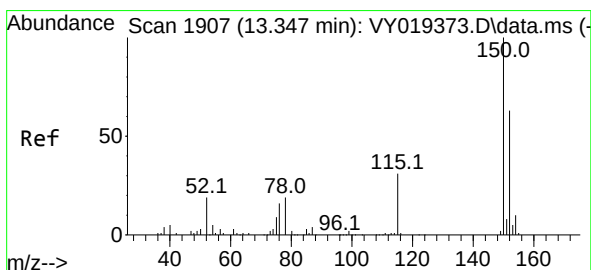
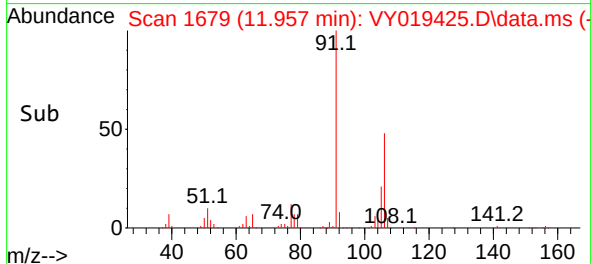
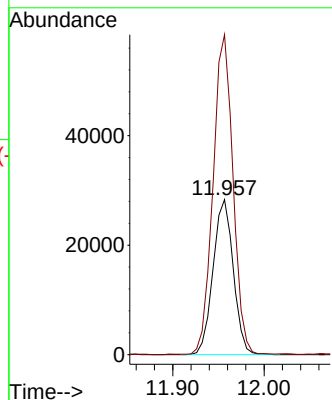
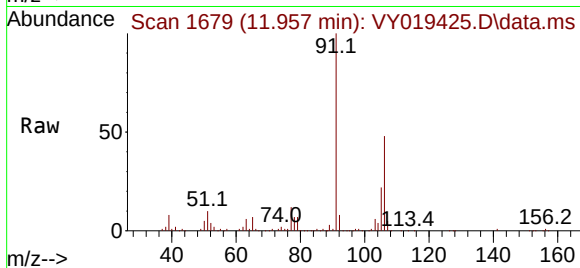
SB-3

Tgt Ion:106 Resp: 43453

Ion Ratio Lower Upper

106 100

91 204.6 103.6 310.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019425.D

Acq: 03 Sep 2024 13:40

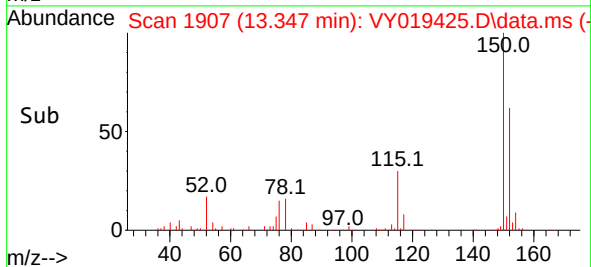
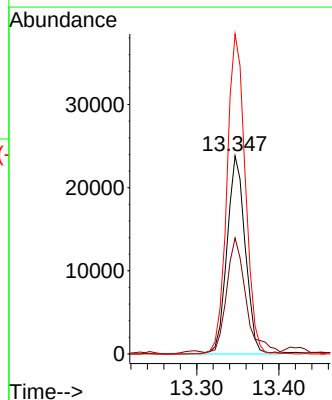
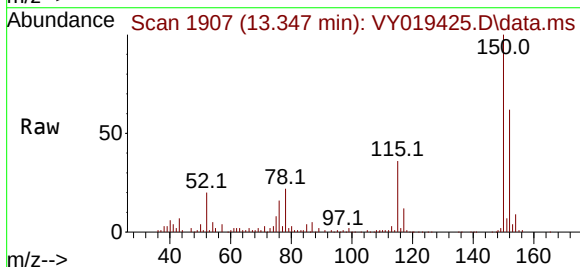
Tgt Ion:152 Resp: 36700

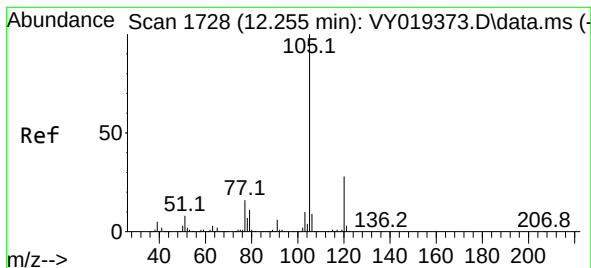
Ion Ratio Lower Upper

152 100

115 61.9 28.2 84.7

150 162.4 0.0 345.6





#73

Isopropylbenzene

Concen: 1.468 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY019425.D

Acq: 03 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

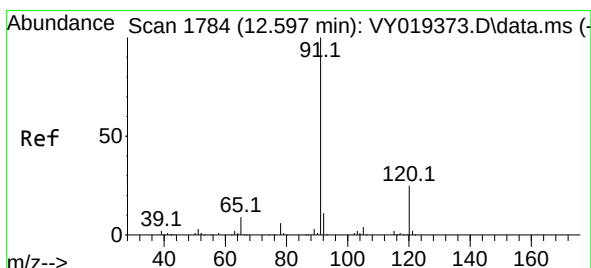
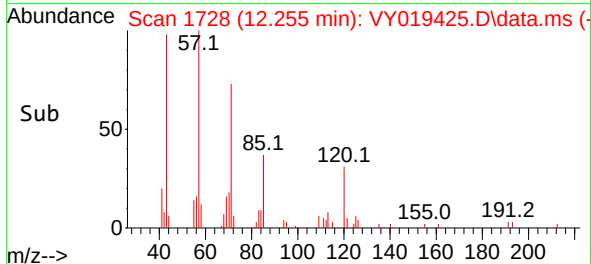
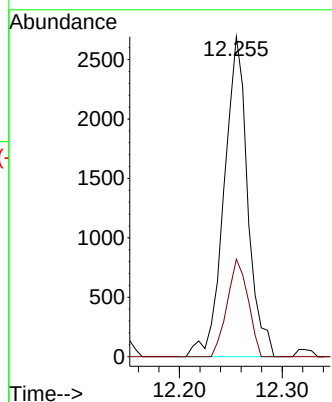
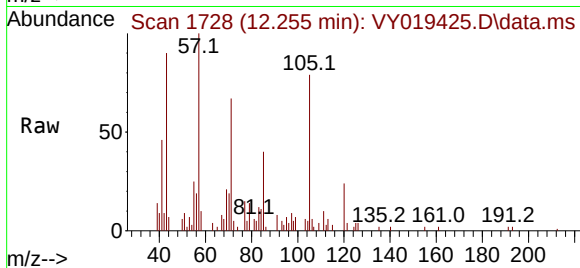
SB-3

Tgt Ion:105 Resp: 4295

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.1



#78

n-propylbenzene

Concen: 2.580 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY019425.D

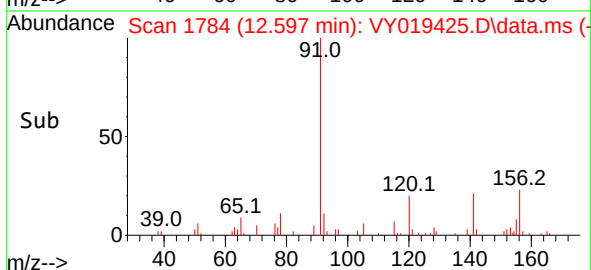
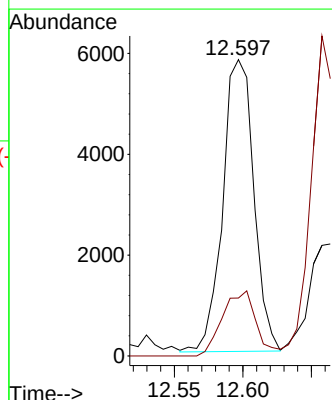
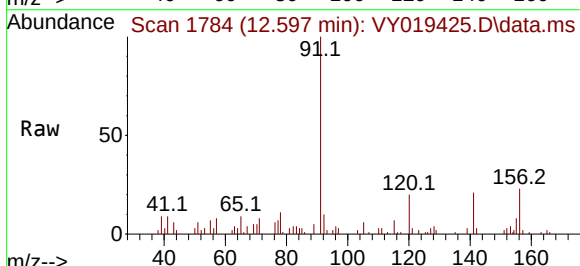
Acq: 03 Sep 2024 13:40

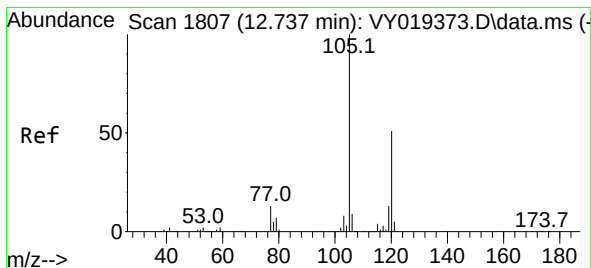
Tgt Ion: 91 Resp: 9122

Ion Ratio Lower Upper

91 100

120 24.3 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 17.270 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY019425.D

Acq: 03 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

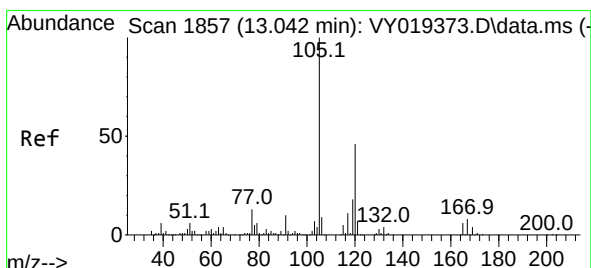
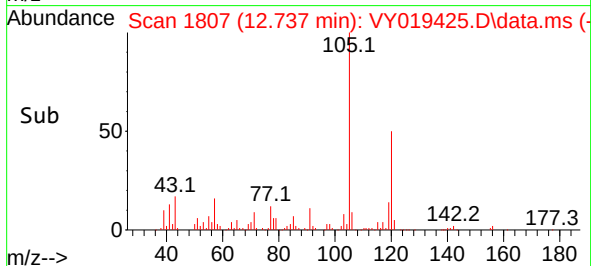
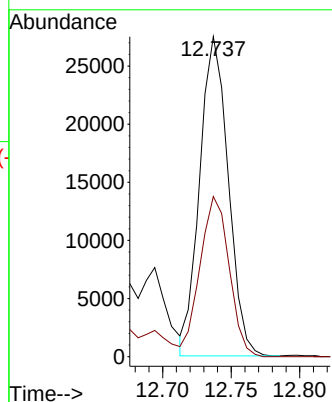
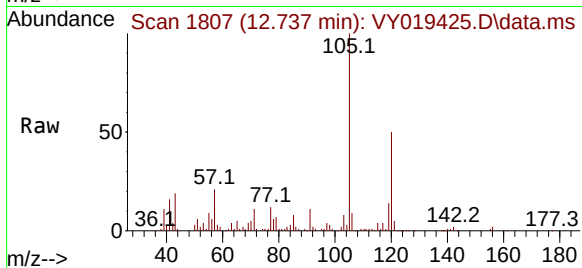
SB-3

Tgt Ion:105 Resp: 39818

Ion Ratio Lower Upper

105 100

120 51.3 25.1 75.2



#84

1,2,4-Trimethylbenzene

Concen: 39.244 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY019425.D

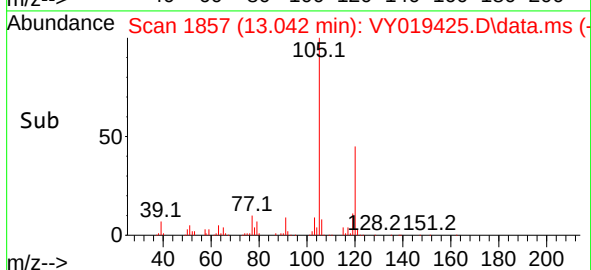
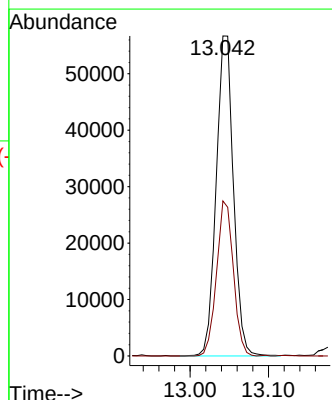
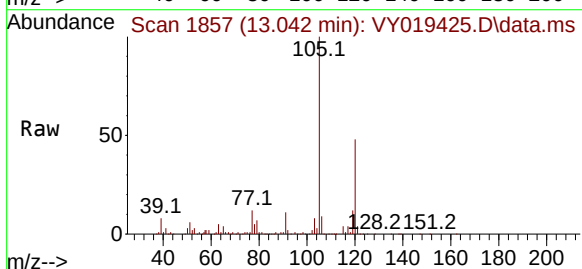
Acq: 03 Sep 2024 13:40

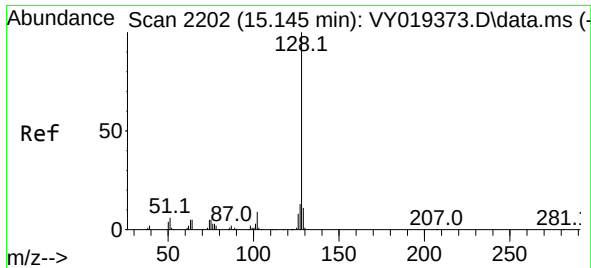
Tgt Ion:105 Resp: 86871

Ion Ratio Lower Upper

105 100

120 47.1 23.2 69.6





#95

Naphthalene

Concen: 2395.296 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY019425.D

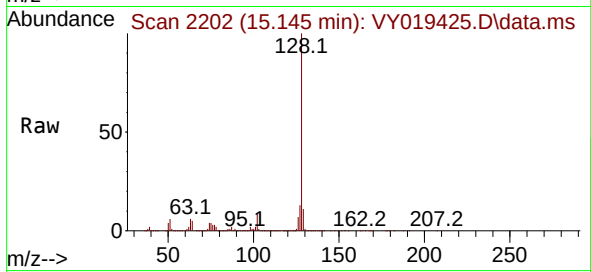
Acq: 03 Sep 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

SB-3



Tgt Ion:128 Resp: 2255967

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.9	8.6	13.0

128 100

127 12.9 10.6 16.0

129 10.9 8.6 13.0

