

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091124\
 Data File : VY019514.D
 Acq On : 11 Sep 2024 17:16
 Operator : SY/MD
 Sample : P3911-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1

Quant Time: Sep 12 01:33:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

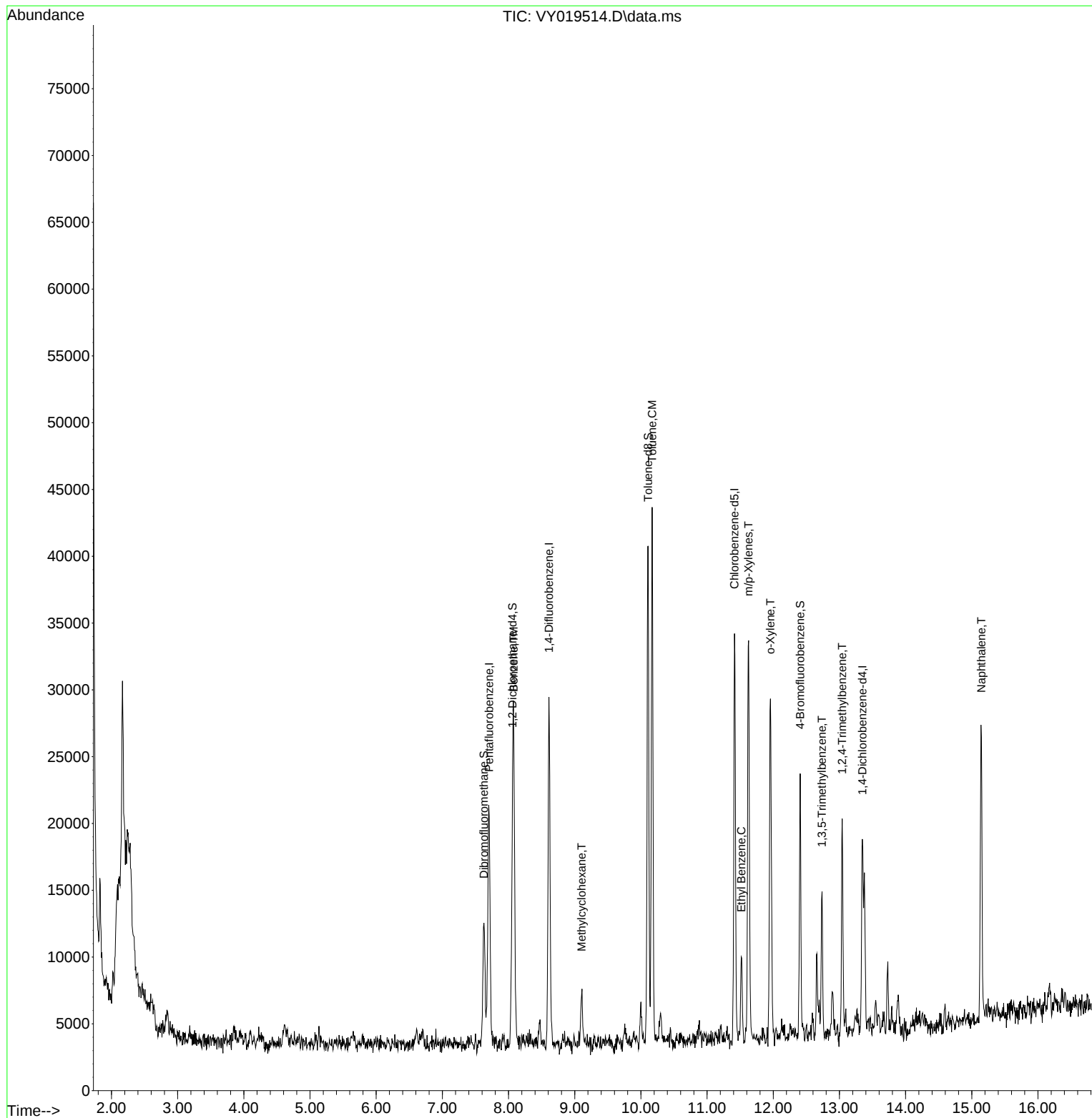
Internal Standards						
1) Pentafluorobenzene	7.707	168	12349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	21859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	16627	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	3371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	7445	65.108	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.220%	
35) Dibromofluoromethane	7.628	113	6837	55.165	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.340%	
50) Toluene-d8	10.109	98	24303	53.016	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.040%	
62) 4-Bromofluorobenzene	12.407	95	6198	35.163	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 70.320%	
Target Compounds						Qvalue
39) Methylcyclohexane	9.103	83	1555	6.929	ug/l	# 90
40) Benzene	8.079	78	20551	39.565	ug/l	97
52) Toluene	10.170	92	16137	48.305	ug/l	98
67) Ethyl Benzene	11.517	91	4596	7.909	ug/l	90
68) m/p-Xylenes	11.627	106	8757	39.851	ug/l	94
69) o-Xylene	11.956	106	6000	27.920	ug/l	94
80) 1,3,5-Trimethylbenzene	12.737	105	4054	20.391	ug/l	95
84) 1,2,4-Trimethylbenzene	13.042	105	8509	43.237	ug/l	94
95) Naphthalene	15.145	128	17353	151.488	ug/l	99

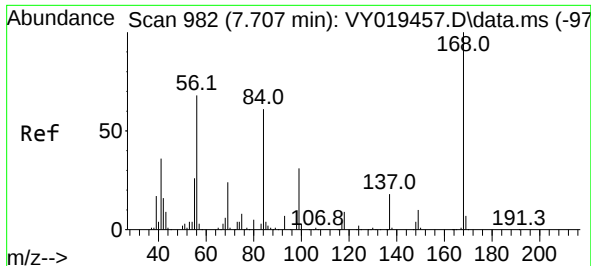
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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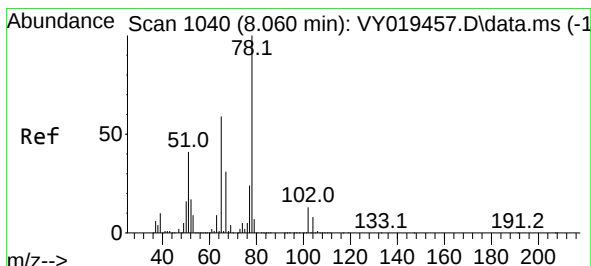
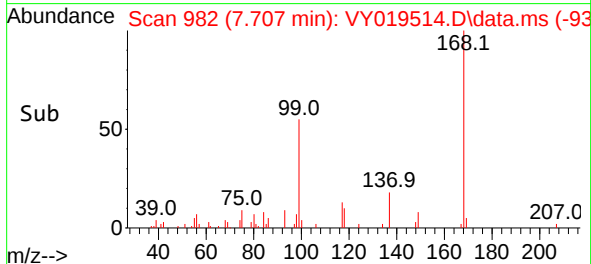
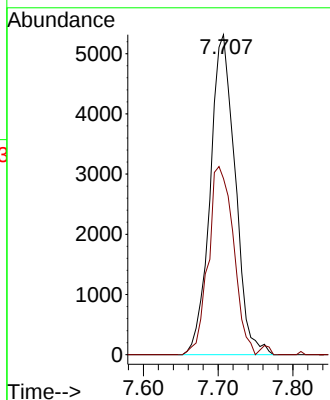
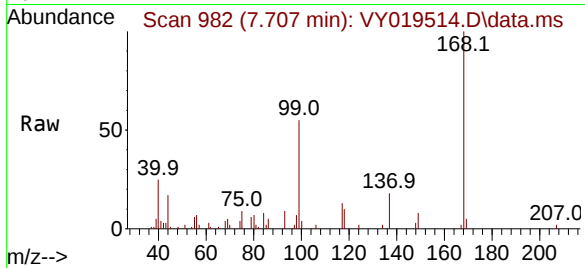




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY019514.D
Acq: 11 Sep 2024 17:16

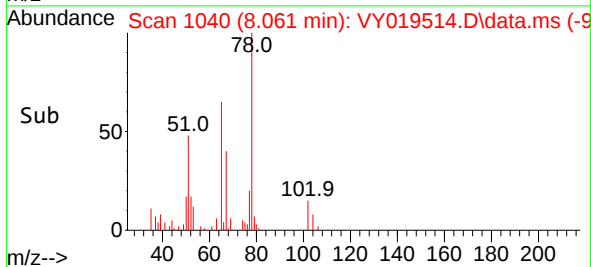
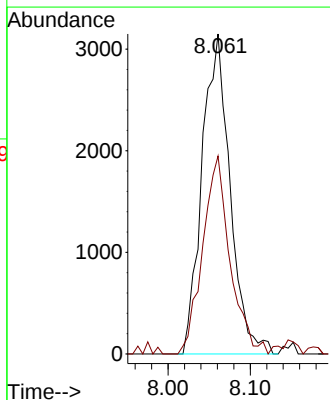
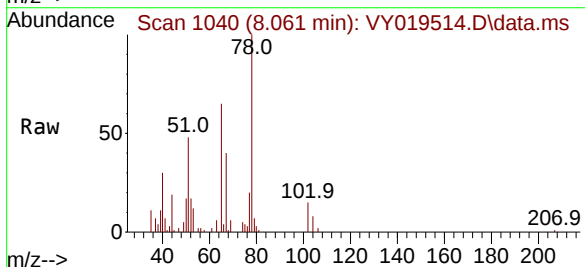
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

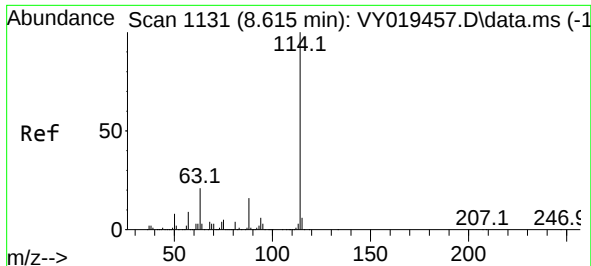
Tgt Ion:168 Resp: 12349
Ion Ratio Lower Upper
168 100
99 55.1 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 65.108 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019514.D
Acq: 11 Sep 2024 17:16

Tgt Ion: 65 Resp: 7445
Ion Ratio Lower Upper
65 100
67 60.5 0.0 109.6

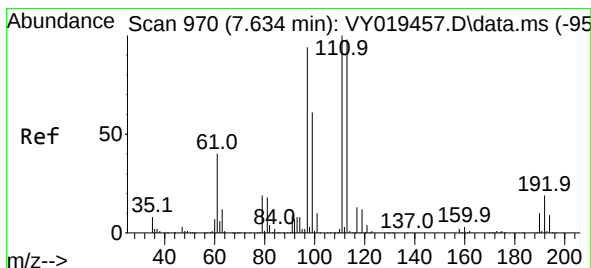
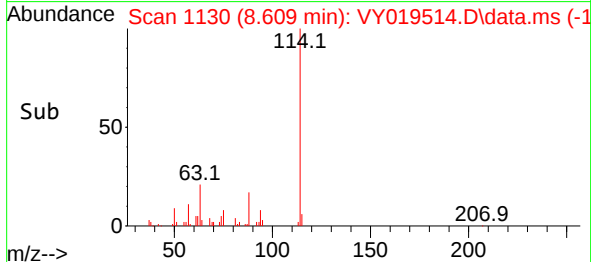
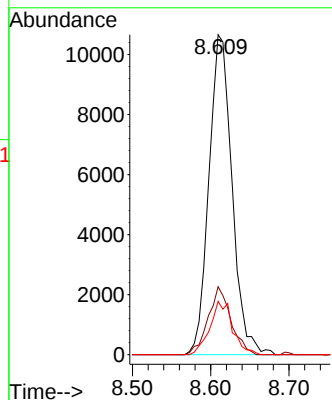
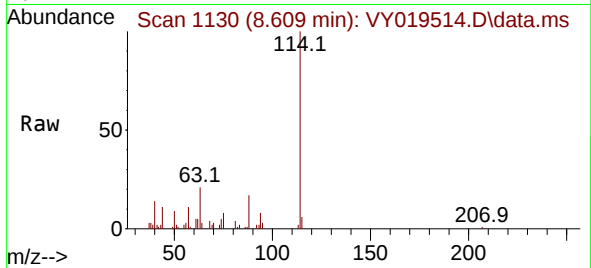




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY019514.D
Acq: 11 Sep 2024 17:16

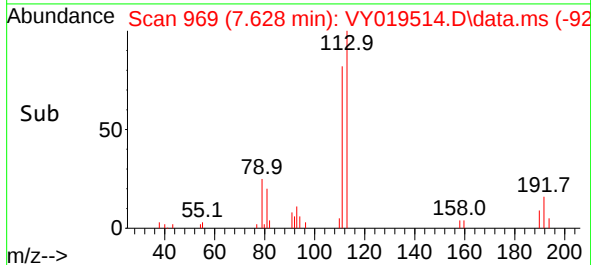
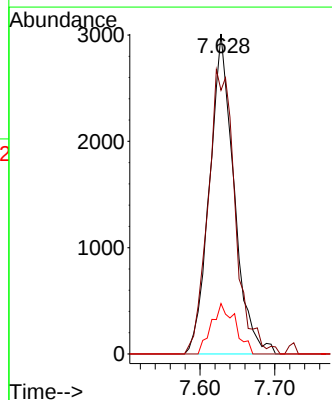
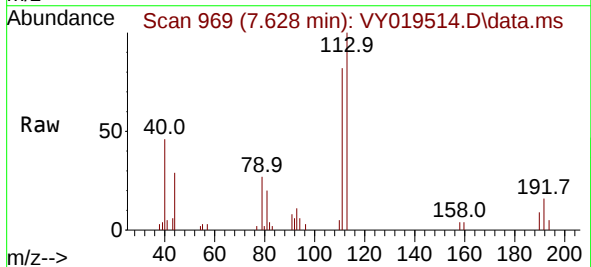
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

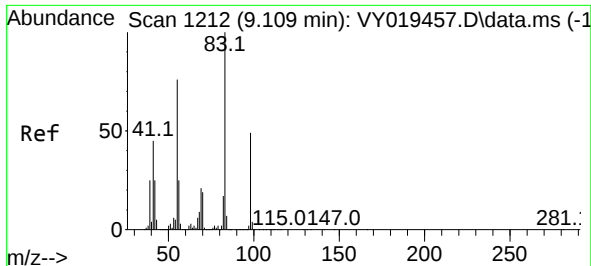
Tgt Ion:	114	Resp:	21859
Ion Ratio	Lower	Upper	
114	100		
63	21.3	0.0	35.0
88	16.6	0.0	27.2



#35
Dibromofluoromethane
Concen: 55.165 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY019514.D
Acq: 11 Sep 2024 17:16

Tgt Ion:	113	Resp:	6837
Ion Ratio	Lower	Upper	
113	100		
111	98.9	82.2	123.4
192	15.4	15.9	23.9





#39

Methylcyclohexane

Concen: 6.929 ug/l

RT: 9.103 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019514.D

Acq: 11 Sep 2024 17:16

Instrument :

MSVOA_Y

ClientSampleId :

SP-1

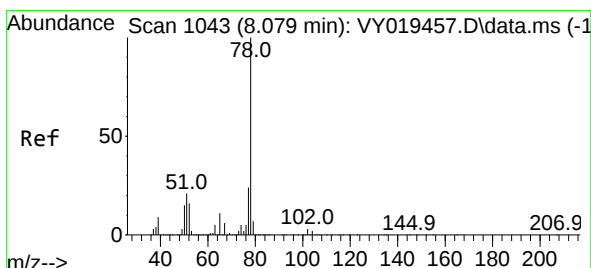
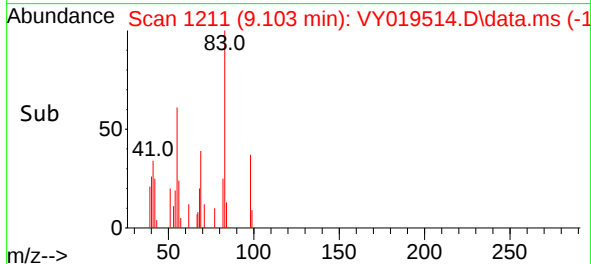
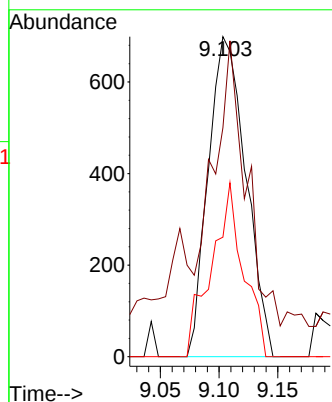
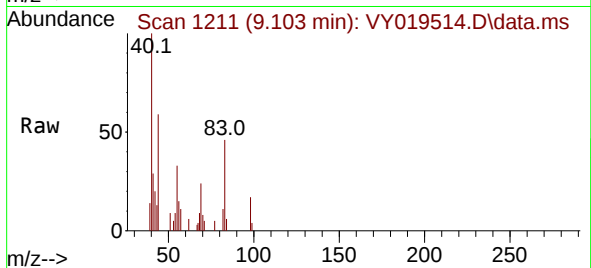
Tgt Ion: 83 Resp: 1555

Ion Ratio Lower Upper

83 100

55 61.9 51.5 77.3

98 37.3 40.5 60.7#



#40

Benzene

Concen: 39.565 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY019514.D

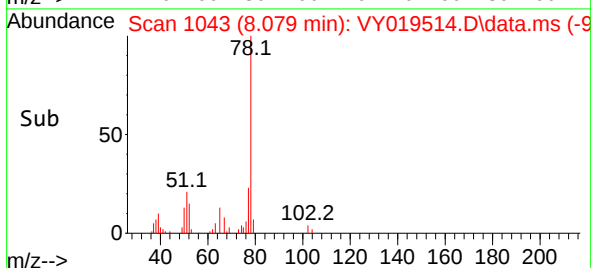
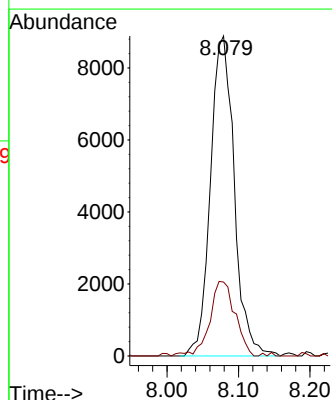
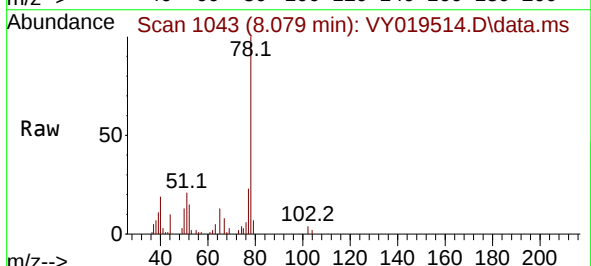
Acq: 11 Sep 2024 17:16

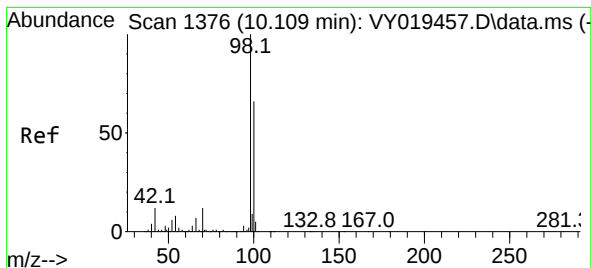
Tgt Ion: 78 Resp: 20551

Ion Ratio Lower Upper

78 100

77 23.1 19.5 29.3





#50

Toluene-d8

Concen: 53.016 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY019514.D

Acq: 11 Sep 2024 17:16

Instrument :

MSVOA_Y

ClientSampleId :

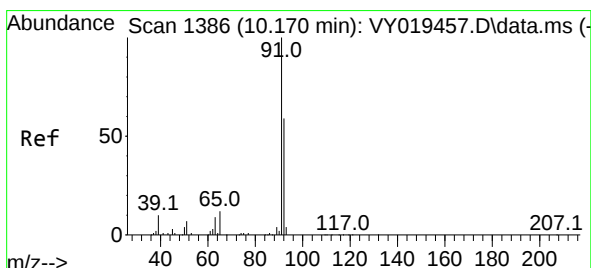
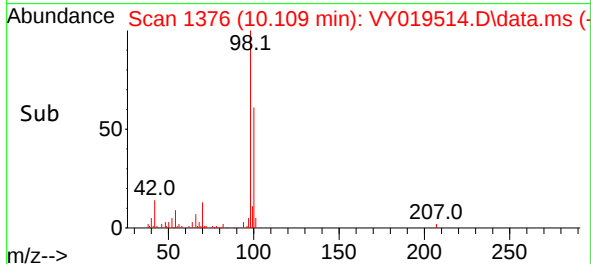
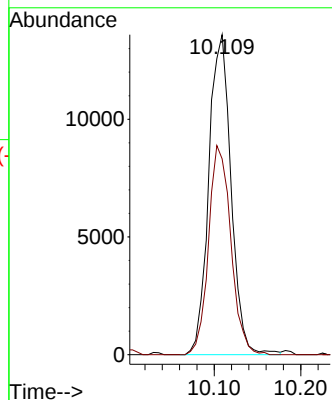
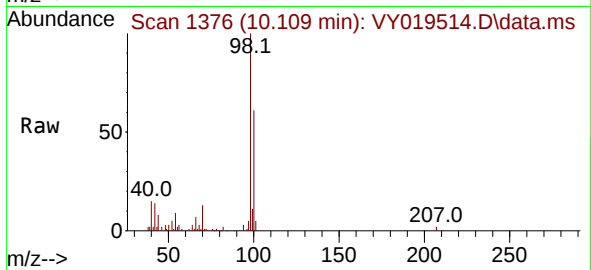
SP-1

Tgt Ion: 98 Resp: 24303

Ion Ratio Lower Upper

98 100

100 65.4 52.0 78.0



#52

Toluene

Concen: 48.305 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY019514.D

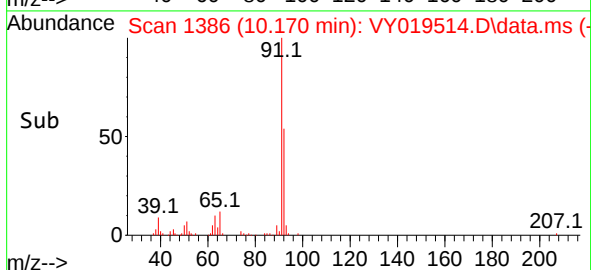
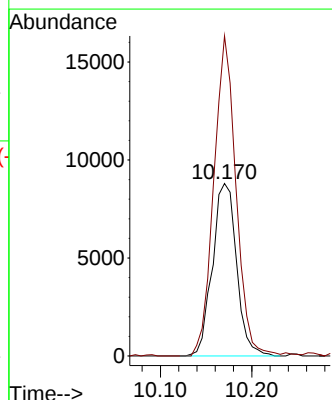
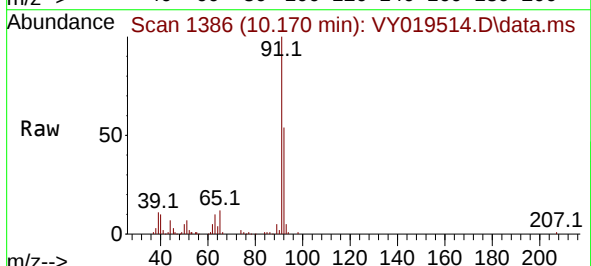
Acq: 11 Sep 2024 17:16

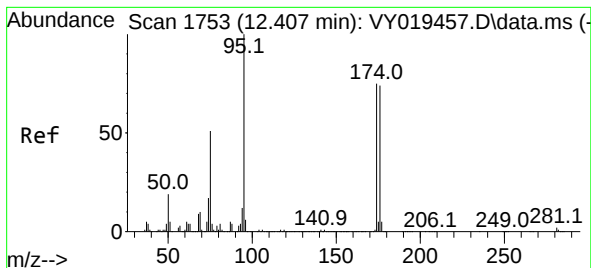
Tgt Ion: 92 Resp: 16137

Ion Ratio Lower Upper

92 100

91 170.6 139.0 208.6

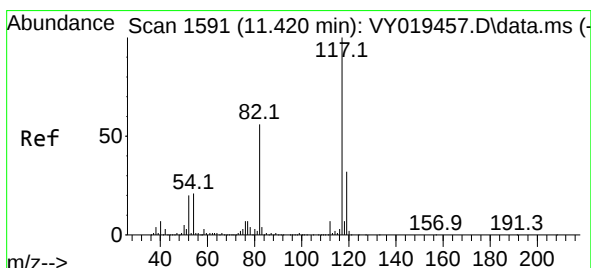
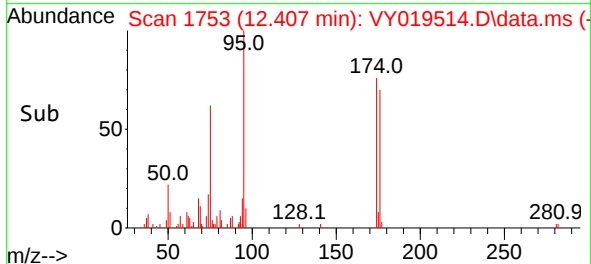
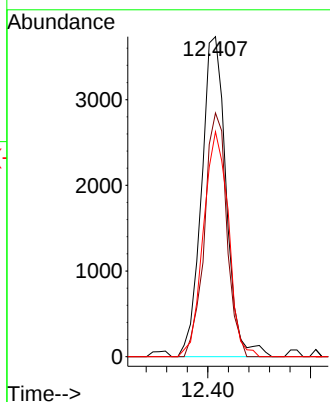
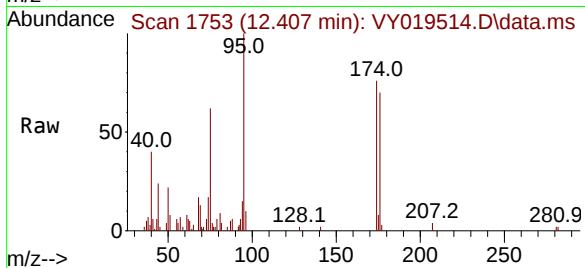




#62
4-Bromofluorobenzene
Concen: 35.163 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019514.D
Acq: 11 Sep 2024 17:16

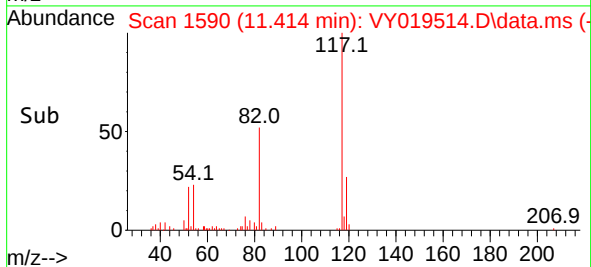
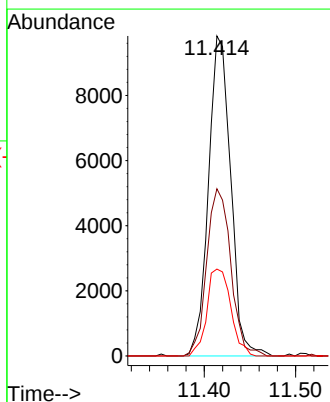
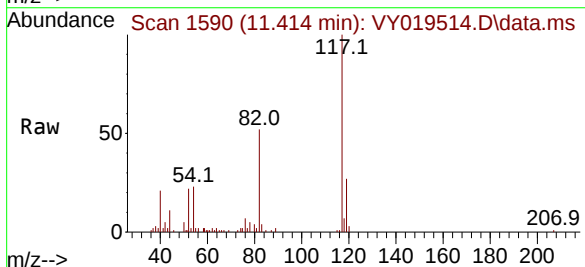
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

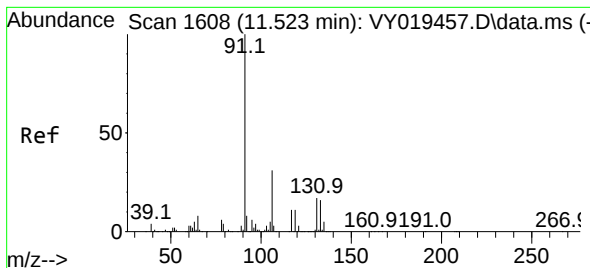
Tgt Ion:	95	Resp:	6198
Ion Ratio	Lower	Upper	
95	100		
174	69.2	0.0	175.6
176	71.3	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019514.D
Acq: 11 Sep 2024 17:16

Tgt Ion:	117	Resp:	16627
Ion Ratio	Lower	Upper	
117	100		
82	52.3	42.4	63.6
119	27.1	25.9	38.9





#67

Ethyl Benzene

Concen: 7.909 ug/l

RT: 11.517 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019514.D

Acq: 11 Sep 2024 17:16

Instrument :

MSVOA_Y

ClientSampleId :

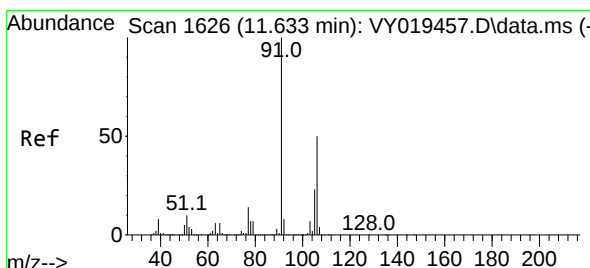
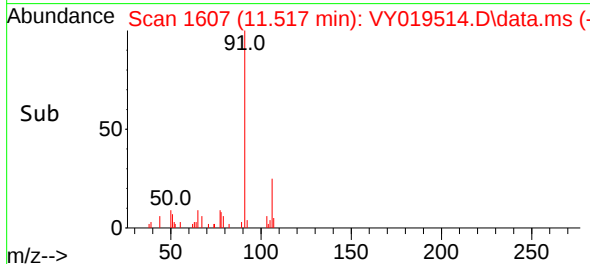
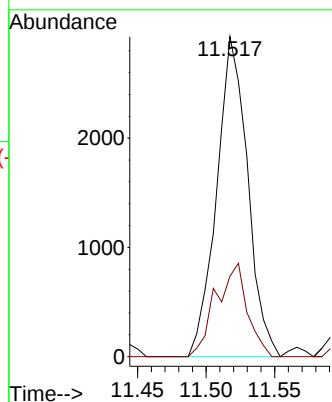
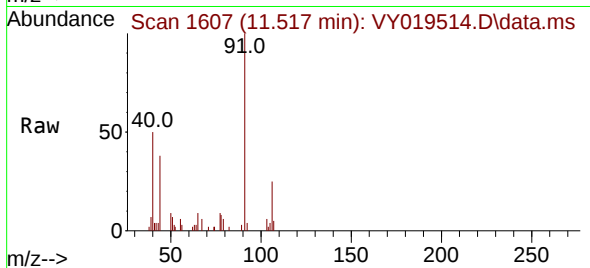
SP-1

Tgt Ion: 91 Resp: 4596

Ion Ratio Lower Upper

91 100

106 25.1 24.5 36.7



#68

m/p-Xylenes

Concen: 39.851 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY019514.D

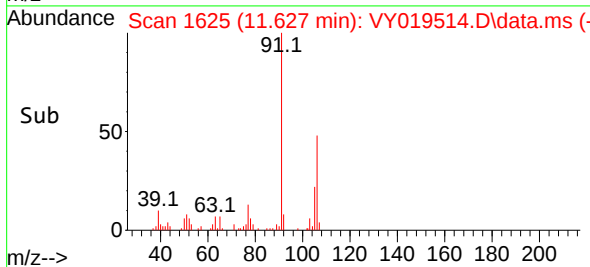
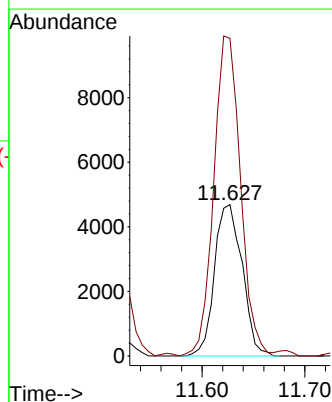
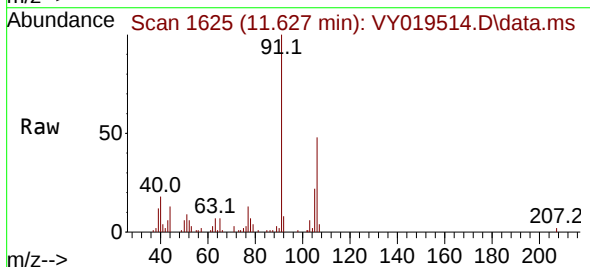
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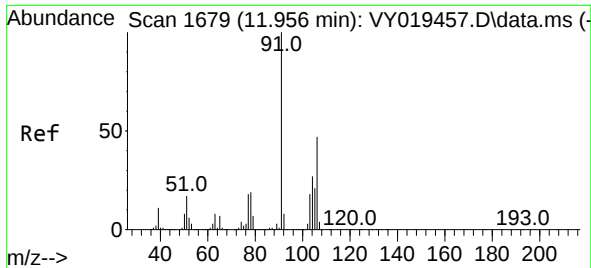
Tgt Ion: 106 Resp: 8757

Ion Ratio Lower Upper

106 100

91 204.6 156.0 234.0

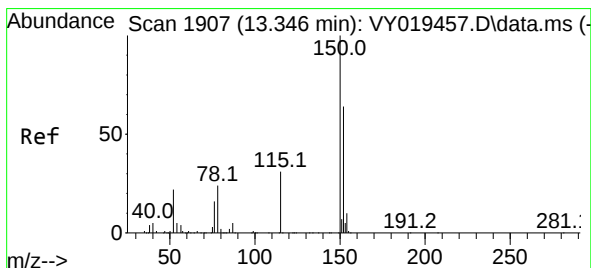
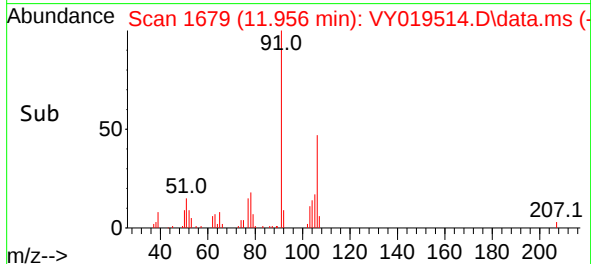
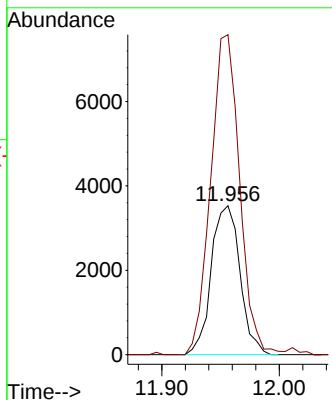
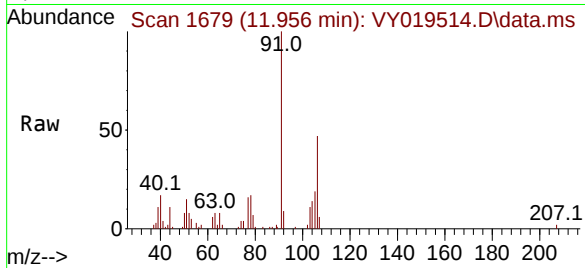




#69
o-Xylene
Concen: 27.920 ug/l
RT: 11.956 min Scan# 1197
Delta R.T. 0.000 min
Lab File: VY019514.D
Acq: 11 Sep 2024 17:16

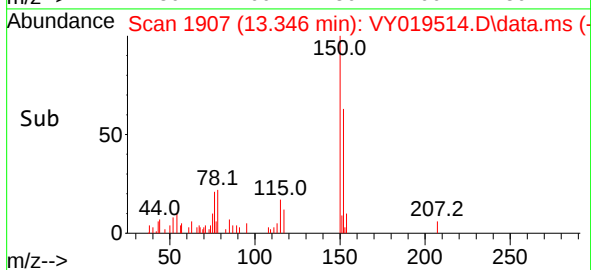
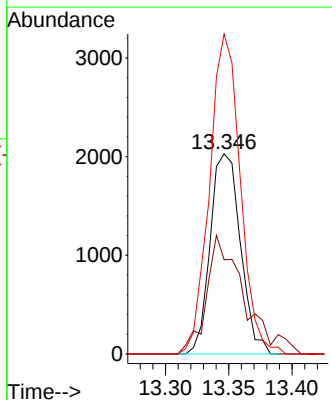
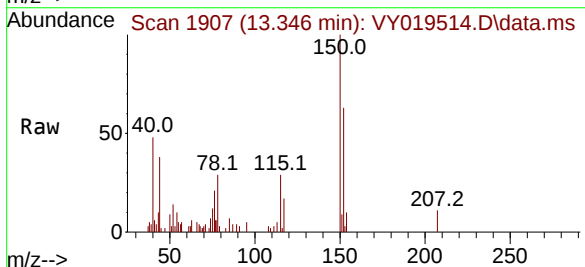
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

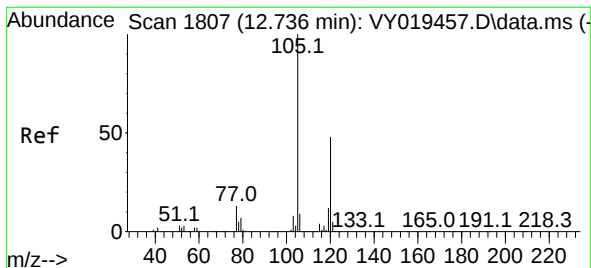
Tgt Ion:106 Resp: 6000
Ion Ratio Lower Upper
106 100
91 216.3 103.6 310.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019514.D
Acq: 11 Sep 2024 17:16

Tgt Ion:152 Resp: 3371
Ion Ratio Lower Upper
152 100
115 73.7 28.2 84.7
150 162.9 0.0 345.6





#80

1,3,5-Trimethylbenzene

Concen: 20.391 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY019514.D

Acq: 11 Sep 2024 17:16

Instrument :

MSVOA_Y

ClientSampleId :

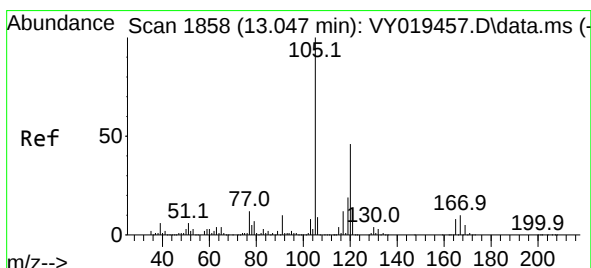
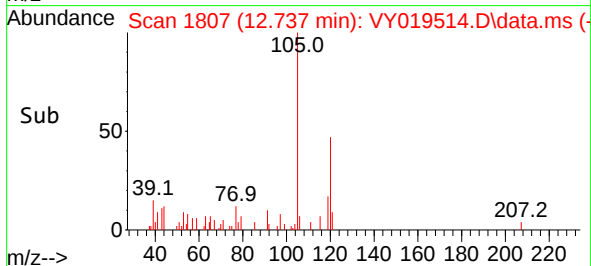
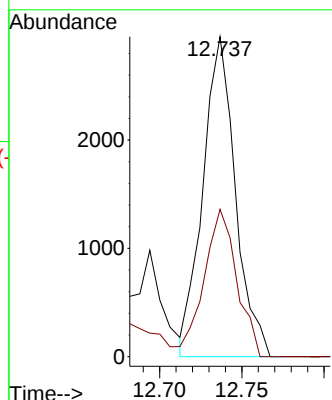
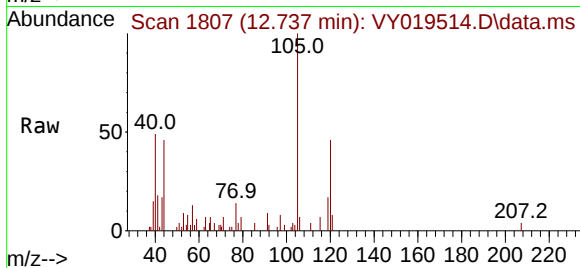
SP-1

Tgt Ion:105 Resp: 4054

Ion Ratio Lower Upper

105 100

120 46.9 25.1 75.2



#84

1,2,4-Trimethylbenzene

Concen: 43.237 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY019514.D

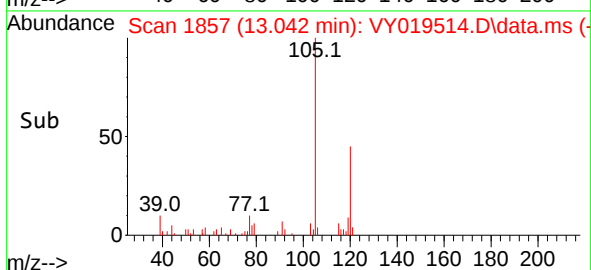
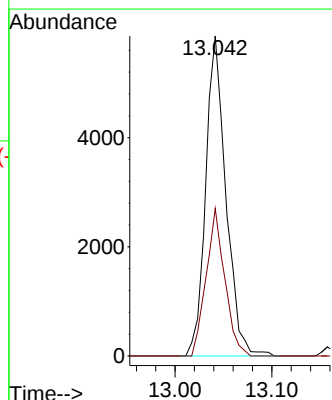
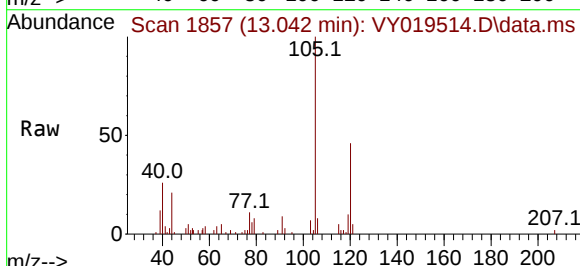
Acq: 11 Sep 2024 17:16

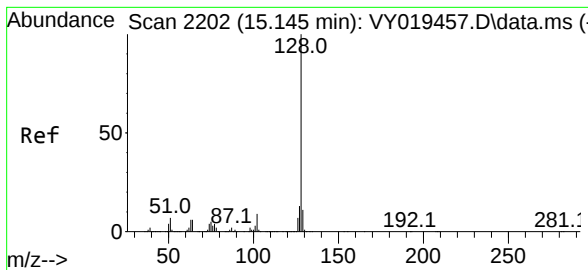
Tgt Ion:105 Resp: 8509

Ion Ratio Lower Upper

105 100

120 42.7 23.2 69.6





#95
Naphthalene
Concen: 151.488 ug/l
RT: 15.145 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY019514.D
Acq: 11 Sep 2024 17:16

Instrument :
MSVOA_Y
ClientSampleId :
SP-1

Tgt Ion:	128	Resp:	17353
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.6	8.6	13.0

