

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112222\
 Data File : VY011559.D
 Acq On : 22 Nov 2022 19:31
 Operator : KP/MD
 Sample : N5678-21RE
 Misc : 6.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 250FB-BP-BACKFILL-11RE

Quant Time: Nov 23 04:09:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

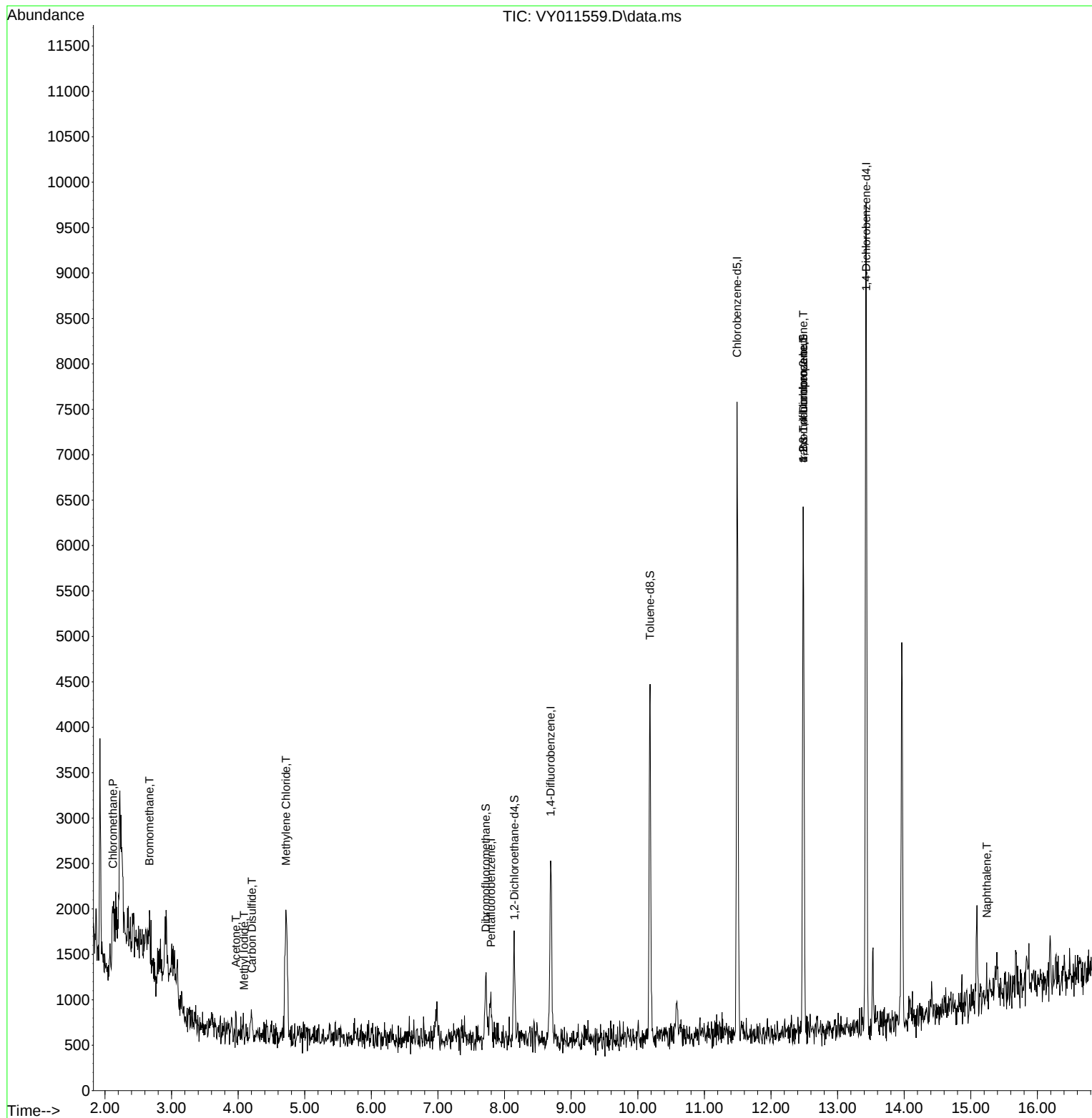
Internal Standards						
1) Pentafluorobenzene	7.795	168	522	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	2242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	3811	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2658	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	841	158.668	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 317.340%#		
35) Dibromofluoromethane	7.716	113	528	38.256	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 76.520%		
50) Toluene-d8	10.185	98	2585	51.542	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 103.080%		
62) 4-Bromofluorobenzene	12.483	95	1766	95.236	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 190.480%#		
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	124	25.795	ug/l	# 70
5) Bromomethane	2.668	94	69	15.556	ug/l	# 74
10) Methyl Iodide	4.088	142	22	3.771	ug/l	# 35
16) Acetone	3.967	43	85	49.371	ug/l	# 47
17) Carbon Disulfide	4.204	76	342	26.900	ug/l	# 75
20) Methylene Chloride	4.716	84	1047	193.449	ug/l	# 65
76) 1,2,3-Trichloropropane	12.483	75	1012	35.354	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	1012	77.437	ug/l	# 7
95) Naphthalene	15.239	128	215	6.119	ug/l	# 81

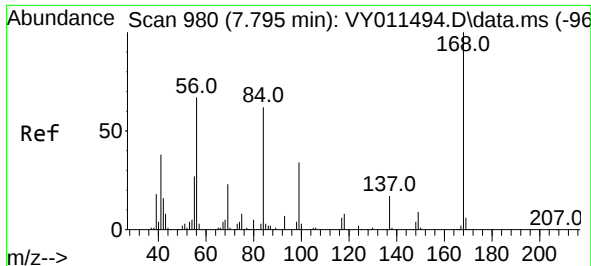
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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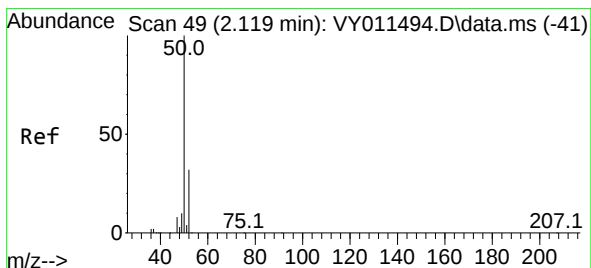
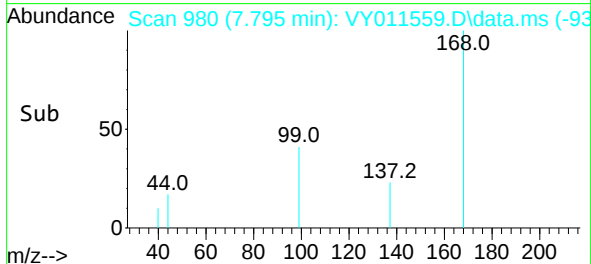
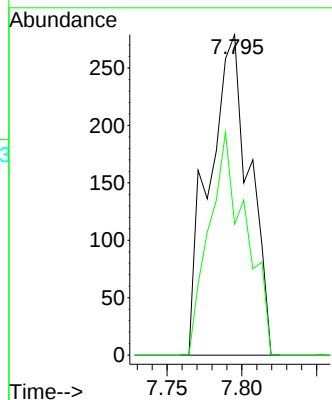
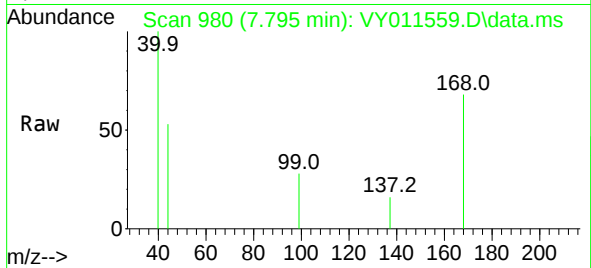




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011559.D
Acq: 22 Nov 2022 19:31

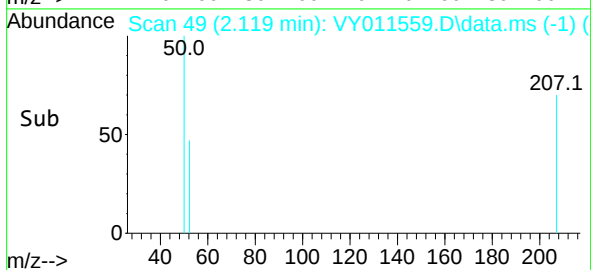
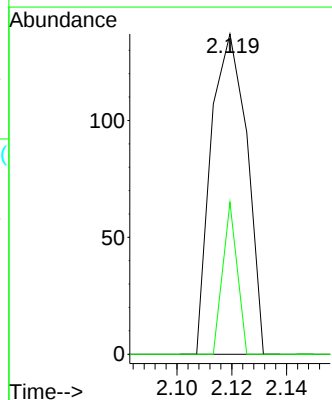
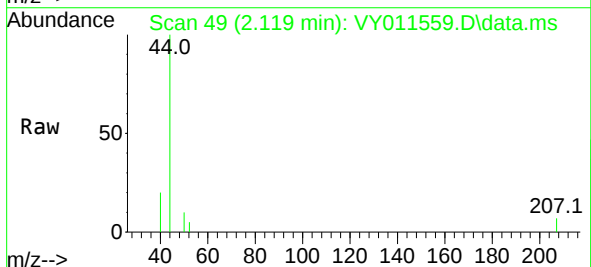
Instrument :
MSVOA_Y
ClientSampleId :
250FB-BP-BACKFILL-11RE

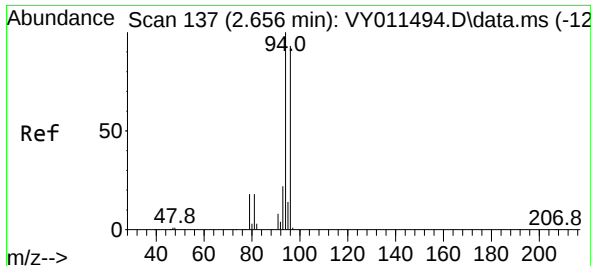
Tgt Ion:168 Resp: 522
Ion Ratio Lower Upper
168 100
99 40.9 46.9 70.3#



#3
Chloromethane
Concen: 25.795 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011559.D
Acq: 22 Nov 2022 19:31

Tgt Ion: 50 Resp: 124
Ion Ratio Lower Upper
50 100
52 47.4 24.6 37.0#

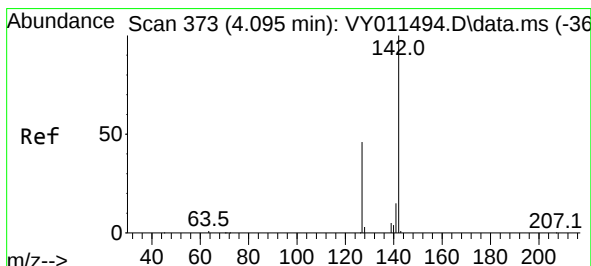
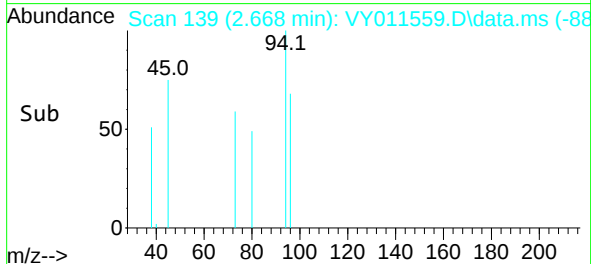
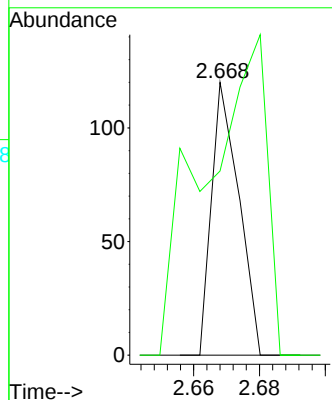
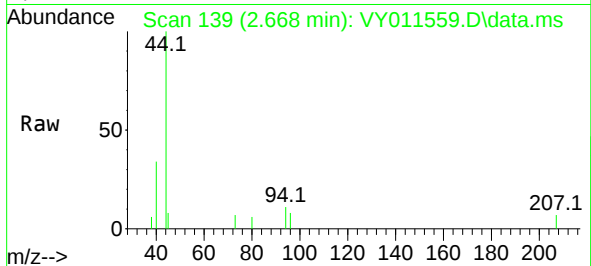




#5
Bromomethane
Concen: 15.556 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011559.D
Acq: 22 Nov 2022 19:31

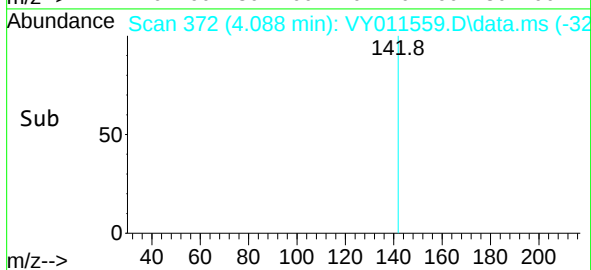
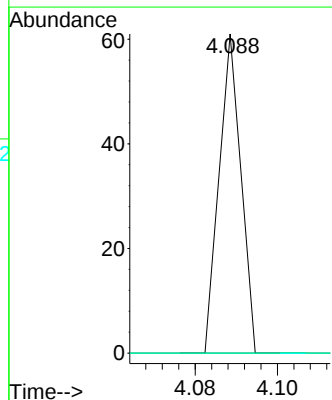
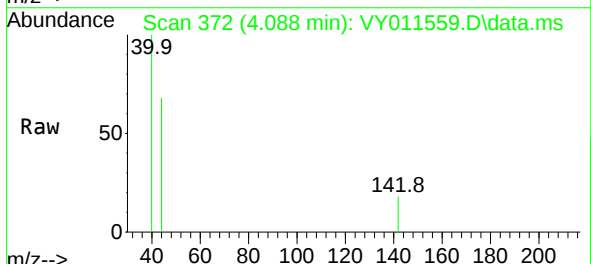
Instrument :
MSVOA_Y
ClientSampleId :
250FB-BP-BACKFILL-11RE

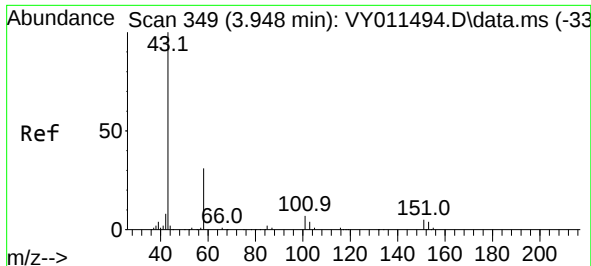
Tgt Ion: 94 Resp: 69
Ion Ratio Lower Upper
94 100
96 67.5 73.5 110.3#



#10
Methyl Iodide
Concen: 3.771 ug/l
RT: 4.088 min Scan# 372
Delta R.T. -0.007 min
Lab File: VY011559.D
Acq: 22 Nov 2022 19:31

Tgt Ion:142 Resp: 22
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#

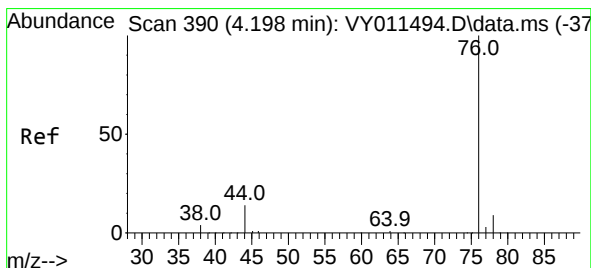
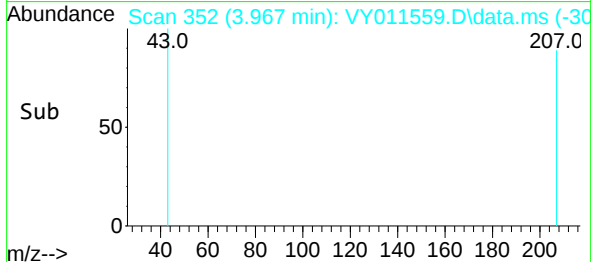
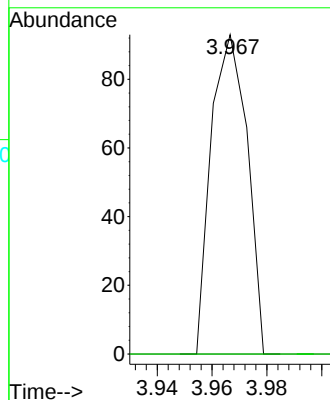
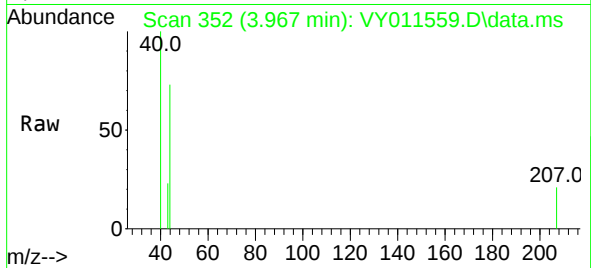




#16
Acetone
Concen: 49.371 ug/l
RT: 3.967 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY011559.D
Acq: 22 Nov 2022 19:31

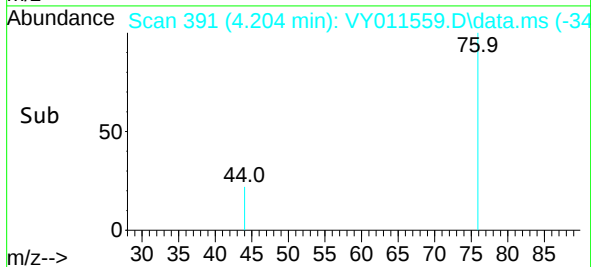
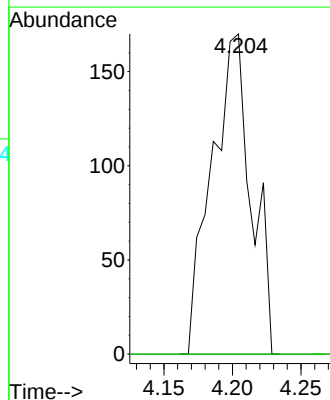
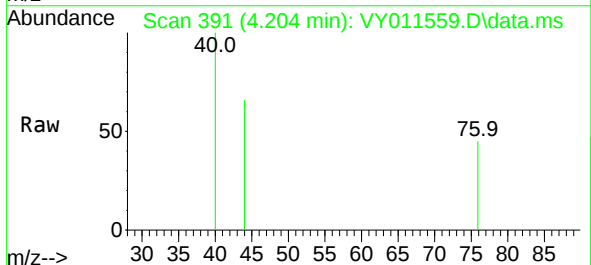
Instrument :
MSVOA_Y
ClientSampleId :
250FB-BP-BACKFILL-11RE

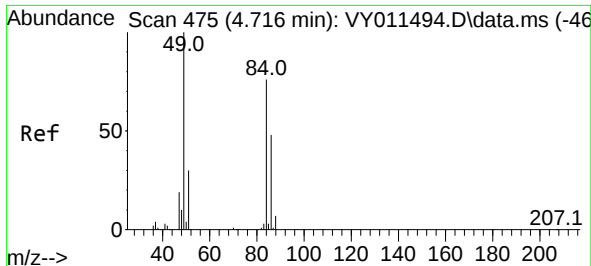
Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#17
Carbon Disulfide
Concen: 26.900 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY011559.D
Acq: 22 Nov 2022 19:31

Tgt Ion: 76 Resp: 342
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

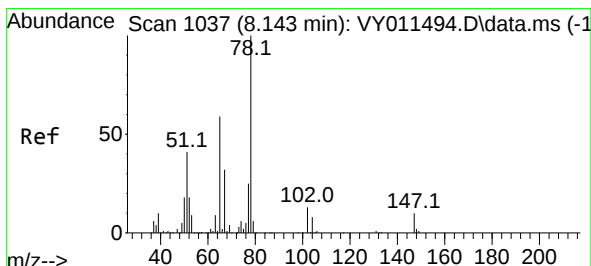
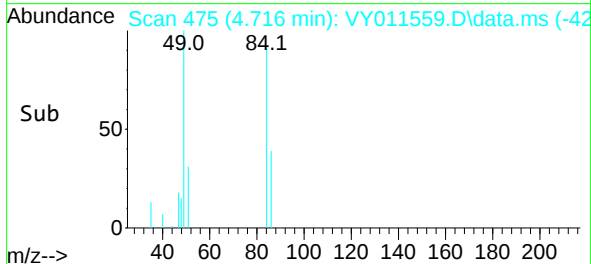
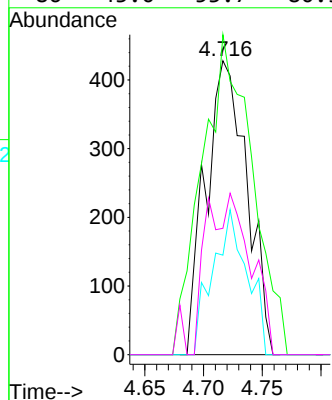
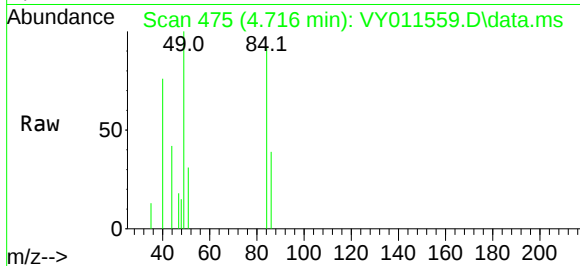




#20
Methylene Chloride
Concen: 193.449 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011559.D
Acq: 22 Nov 2022 19:31

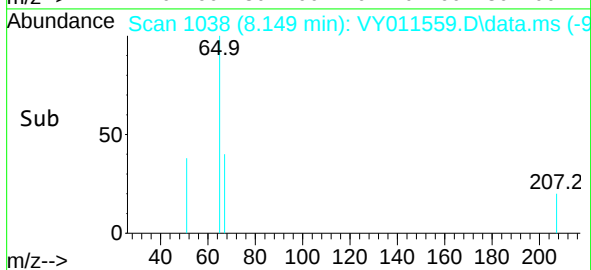
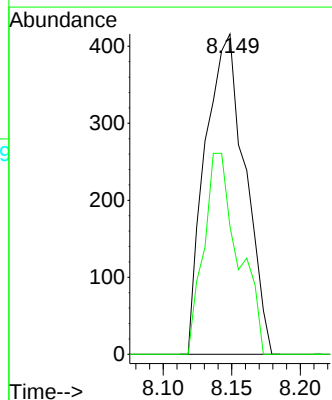
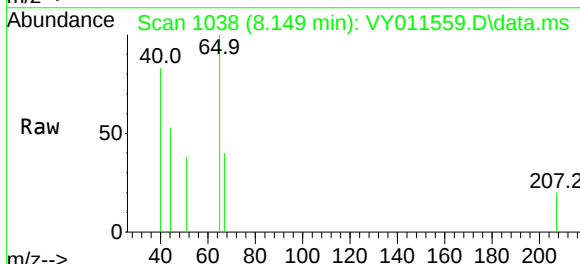
Instrument :
MSVOA_Y
ClientSampleId :
250FB-BP-BACKFILL-11RE

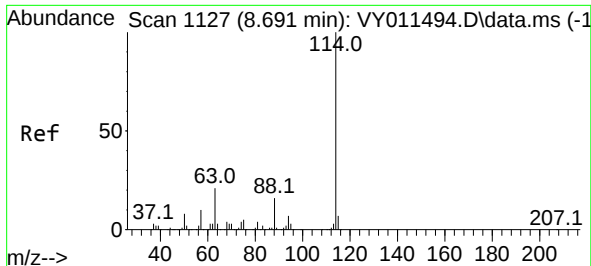
Tgt Ion:	84	Resp:	1047
Ion	Ratio	Lower	Upper
84	100		
49	90.0	114.4	171.6#
51	33.9	35.3	52.9#
86	43.0	53.7	80.5#



#33
1,2-Dichloroethane-d4
Concen: 158.668 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY011559.D
Acq: 22 Nov 2022 19:31

Tgt Ion:	65	Resp:	841
Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	99.4

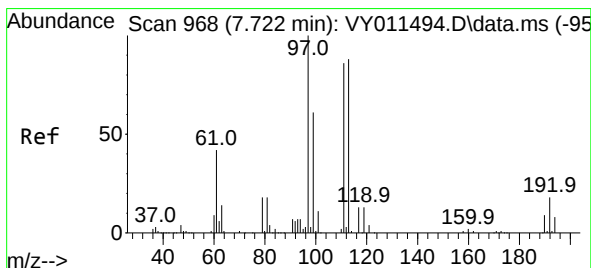
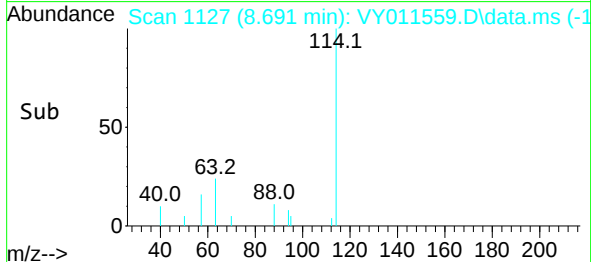
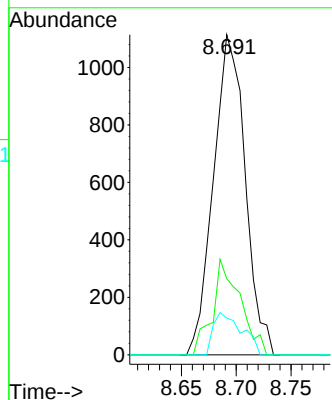
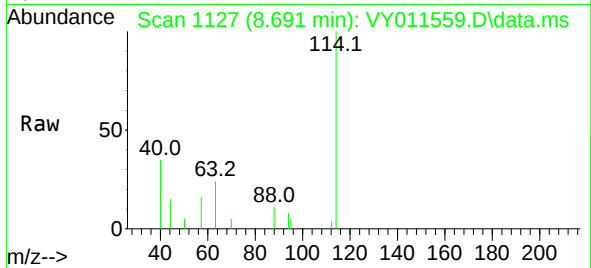




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011559.D
Acq: 22 Nov 2022 19:31

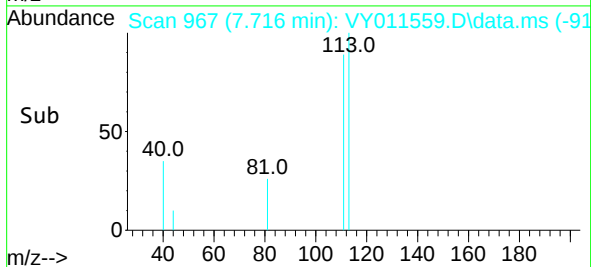
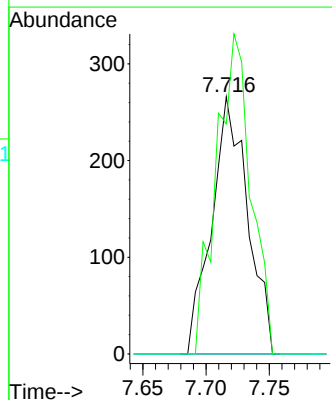
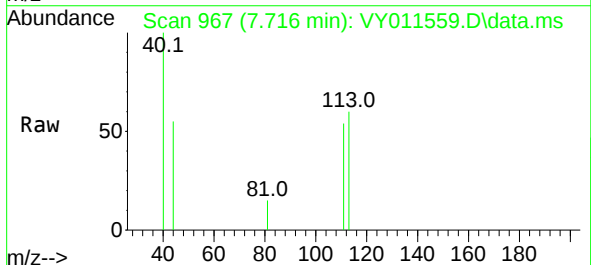
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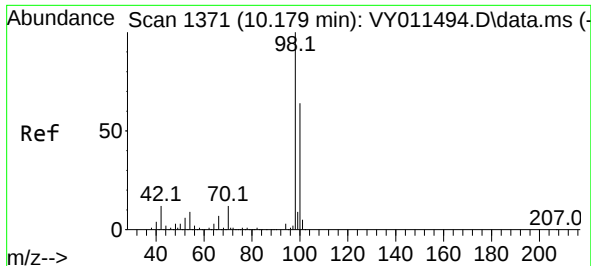
Tgt Ion:114	Resp:	2242
Ion Ratio	Lower	Upper
114	100	
63	23.8	0.0 43.2
88	11.5	0.0 31.8



#35
Dibromofluoromethane
Concen: 38.256 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY011559.D
Acq: 22 Nov 2022 19:31

Tgt Ion:113	Resp:	528
Ion Ratio	Lower	Upper
113	100	
111	119.3	82.6 124.0
192	0.0	17.6 26.4#

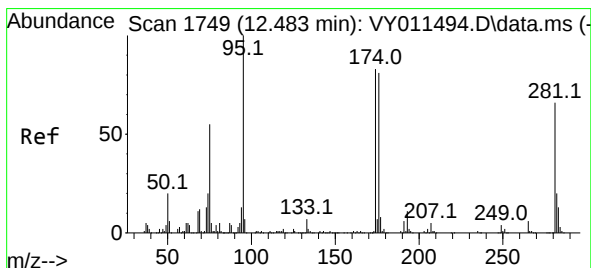
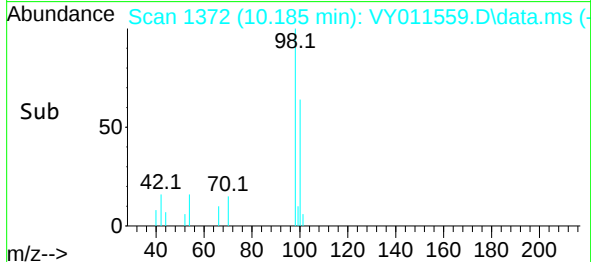
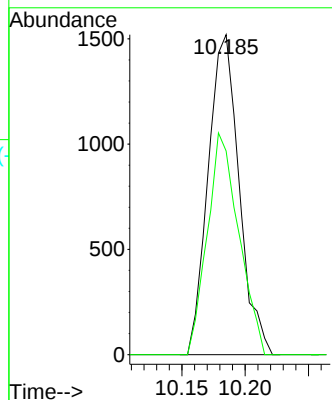
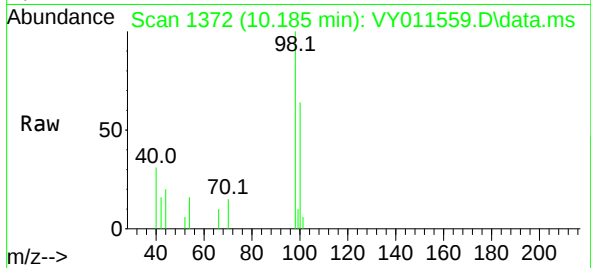




#50
Toluene-d8
Concen: 51.542 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011559.D
Acq: 22 Nov 2022 19:31

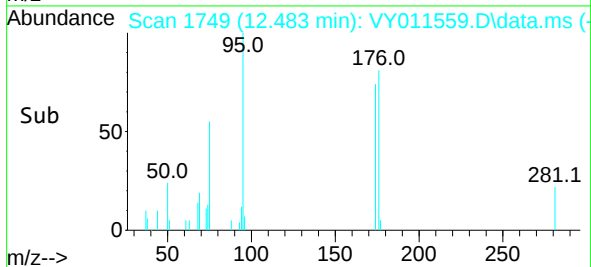
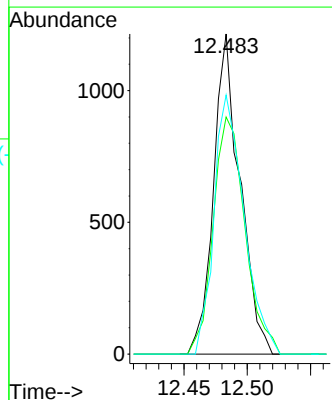
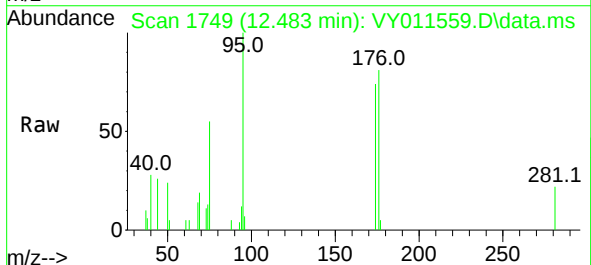
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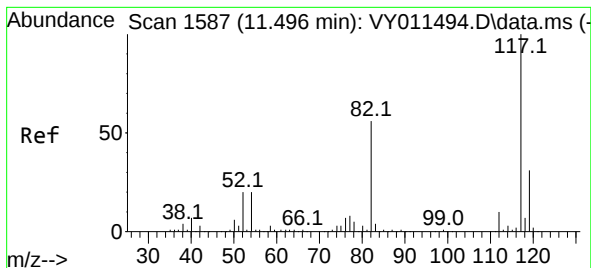
Tgt Ion: 98 Resp: 2585
Ion Ratio Lower Upper
98 100
100 70.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 95.236 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011559.D
Acq: 22 Nov 2022 19:31

Tgt Ion: 95 Resp: 1766
Ion Ratio Lower Upper
95 100
174 89.2 0.0 177.0
176 91.8 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY011559.D

Acq: 22 Nov 2022 19:31

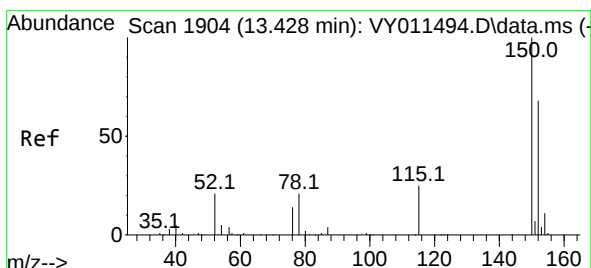
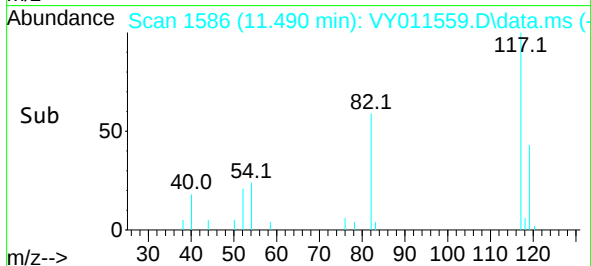
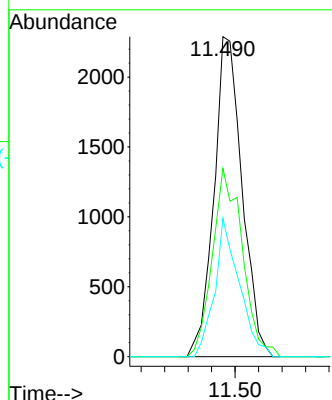
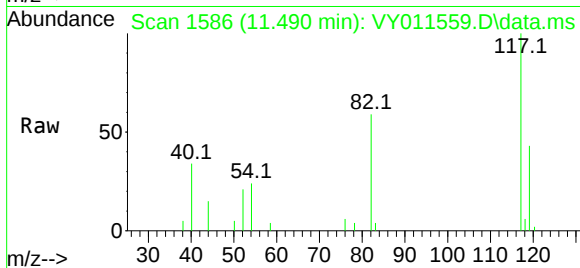
Instrument :

MSVOA_Y

ClientSampleId :

250FB-BP-BACKFILL-11RE

Tgt Ion:117	Resp:	3811
Ion	Ratio	Lower Upper
117	100	
82	58.8	43.0 64.4
119	43.2	25.4 38.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

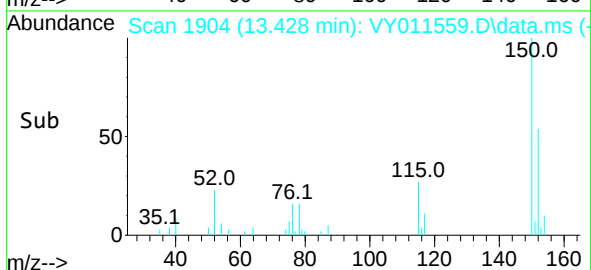
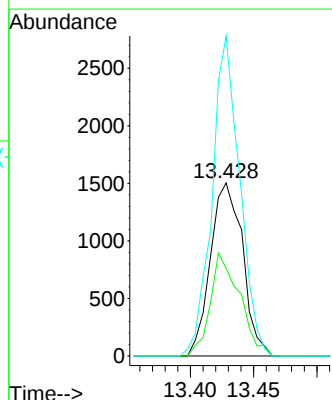
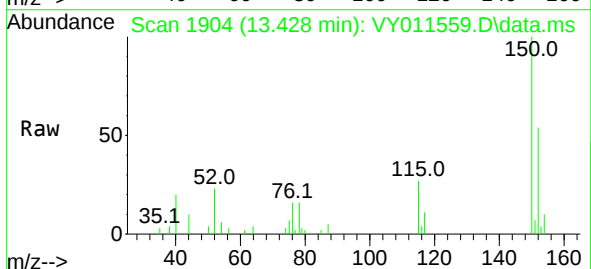
RT: 13.428 min Scan# 1904

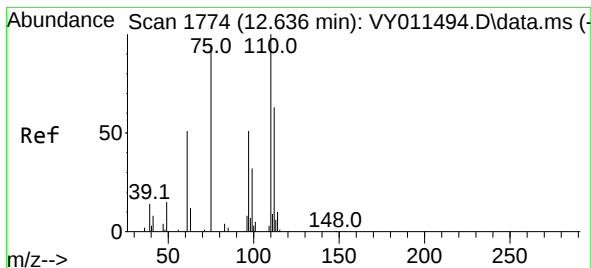
Delta R.T. 0.000 min

Lab File: VY011559.D

Acq: 22 Nov 2022 19:31

Tgt Ion:152	Resp:	2658
Ion	Ratio	Lower Upper
152	100	
115	54.4	28.2 84.7
150	159.6	0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 35.354 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY011559.D

Acq: 22 Nov 2022 19:31

Instrument :

MSVOA_Y

ClientSampleId :

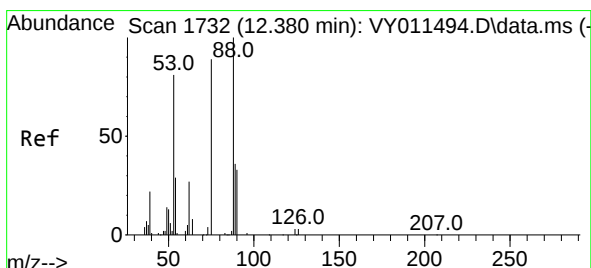
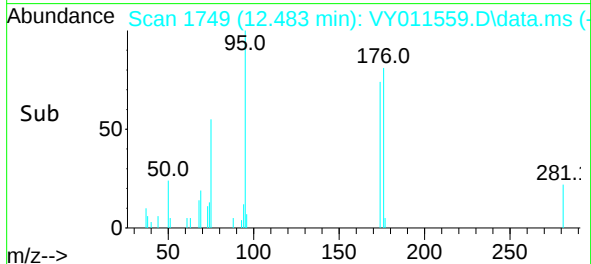
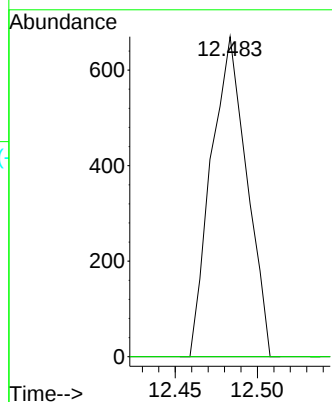
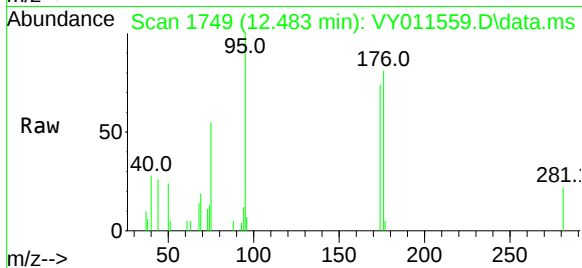
250FB-BP-BACKFILL-11RE

Tgt Ion: 75 Resp: 1012

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 77.437 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY011559.D

Acq: 22 Nov 2022 19:31

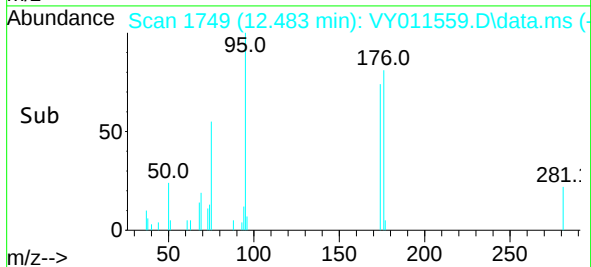
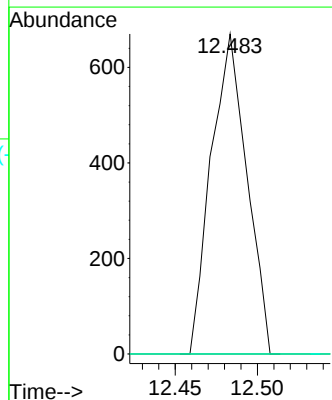
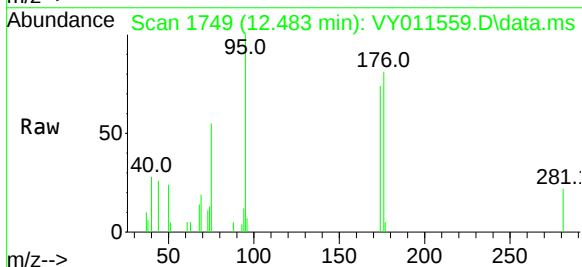
Tgt Ion: 75 Resp: 1012

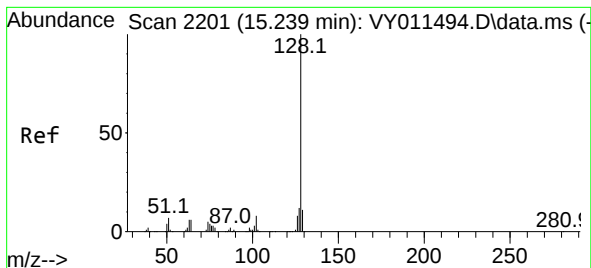
Ion Ratio Lower Upper

75 100

53 0.0 85.3 127.9#

89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 6.119 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY011559.D

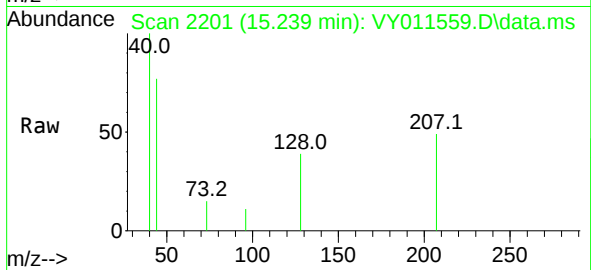
Acq: 22 Nov 2022 19:31

Instrument :

MSVOA_Y

ClientSampleId :

250FB-BP-BACKFILL-11RE



Tgt Ion:128 Resp: 215

Ion Ratio Lower Upper

128 100

127 8.8 11.0 16.4#

129 0.0 8.4 12.6#

