

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111623\
 Data File : VY016389.D
 Acq On : 16 Nov 2023 14:53
 Operator : SY/MD
 Sample : 05448-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 17 04:07:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	28738	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	48449	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.496	117	44793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	18296	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	16912	64.389	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	128.780%
35) Dibromofluoromethane	7.722	113	16001	58.139	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.280%
50) Toluene-d8	10.179	98	56659	50.766	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.540%
62) 4-Bromofluorobenzene	12.483	95	17222	47.511	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.020%

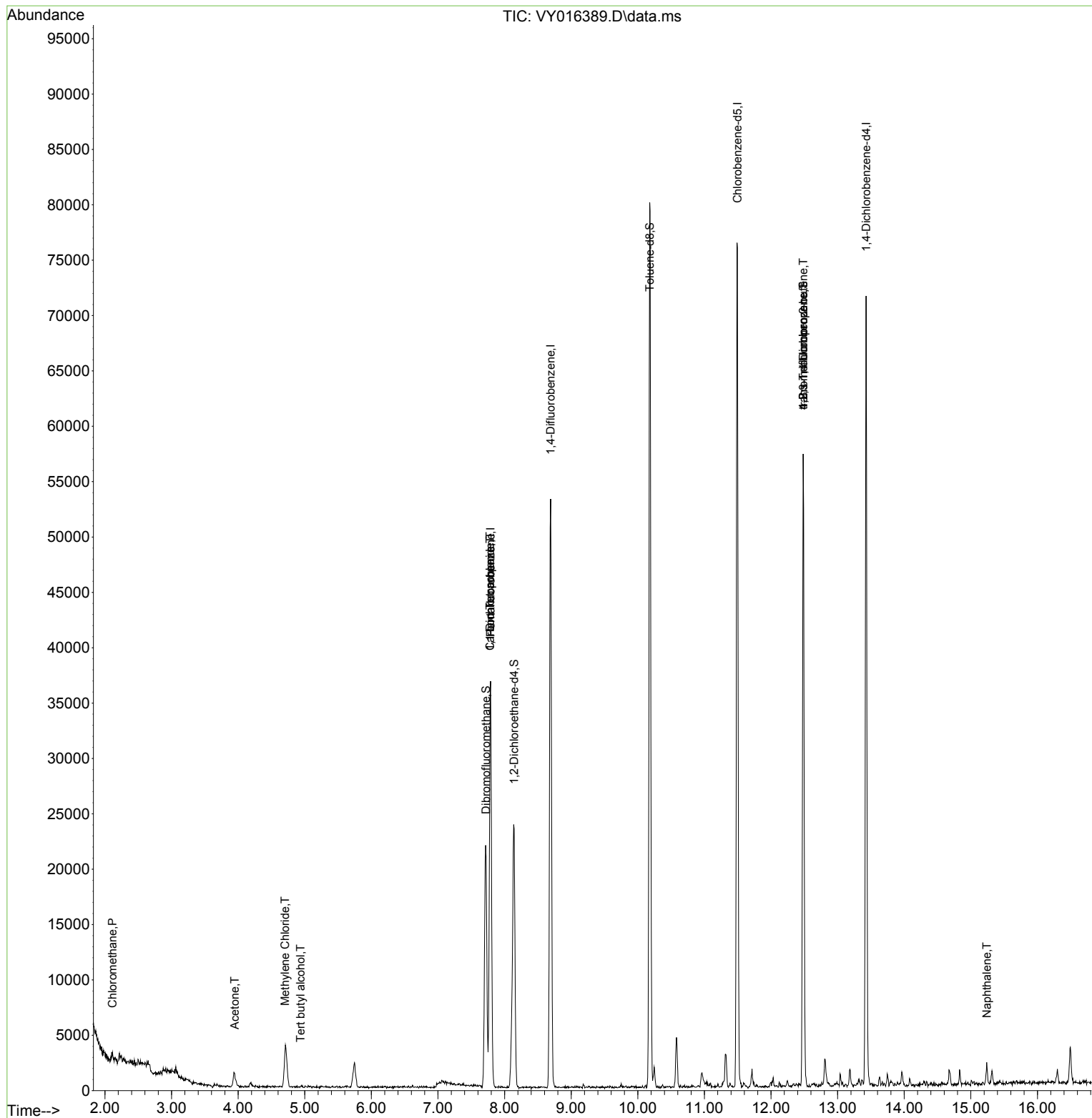
Target Compounds					Qvalue
3) Chloromethane	2.113	50	414	1.256	ug/l 98
11) Tert butyl alcohol	4.936	59	120	5.834	ug/l # 89
16) Acetone	3.948	43	2345	53.975	ug/l # 85
20) Methylene Chloride	4.704	84	2820	6.134	ug/l # 83
36) 1,1-Dichloropropene	7.783	75	2480	5.189	ug/l # 45
38) Carbon Tetrachloride	7.783	117	2848	5.742	ug/l # 16
76) 1,2,3-Trichloropropane	12.483	75	9128	52.008	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.483	75	9128	112.888	ug/l # 10
95) Naphthalene	15.239	128	1758	3.050	ug/l 99

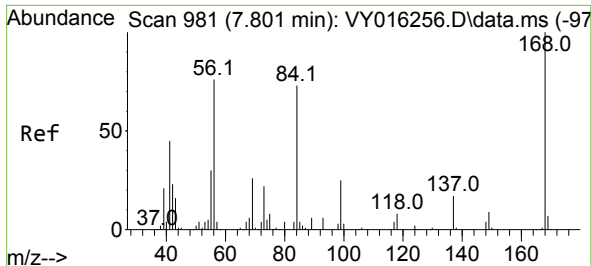
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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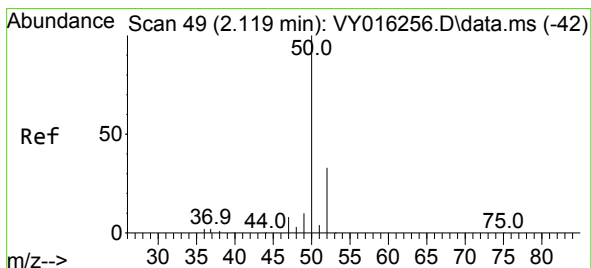
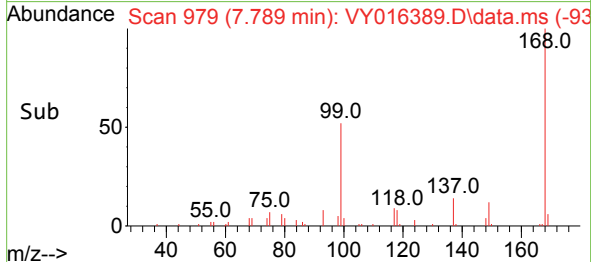
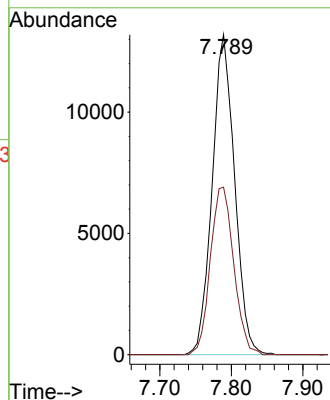
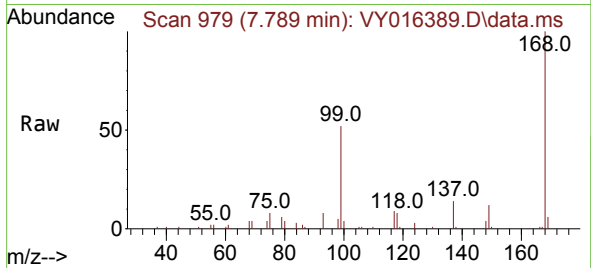




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY016389.D
Acq: 16 Nov 2023 14:53

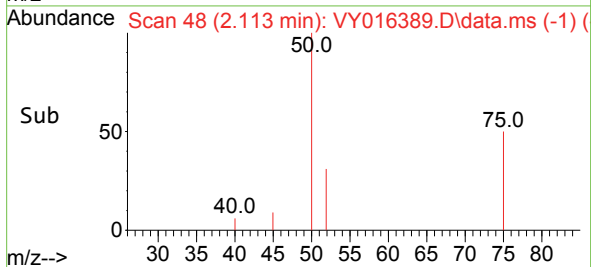
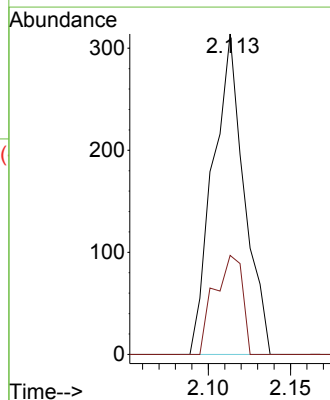
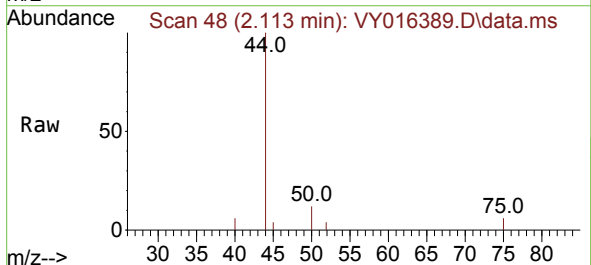
Instrument :
MSVOA_Y
ClientSampleId :

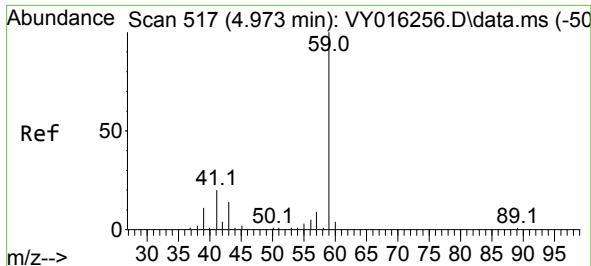
Tgt Ion:168 Resp: 28738
Ion Ratio Lower Upper
168 100
99 52.4 43.4 65.0



#3
Chloromethane
Concen: 1.256 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY016389.D
Acq: 16 Nov 2023 14:53

Tgt Ion: 50 Resp: 414
Ion Ratio Lower Upper
50 100
52 30.9 25.4 38.2

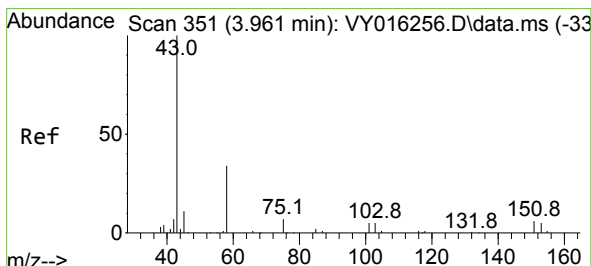
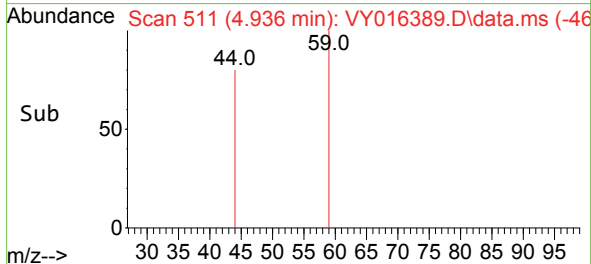
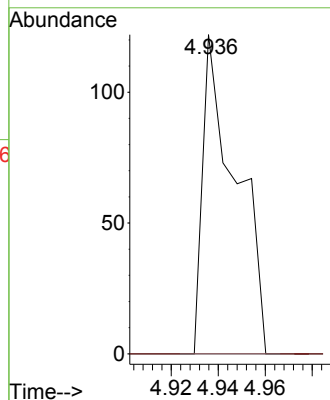
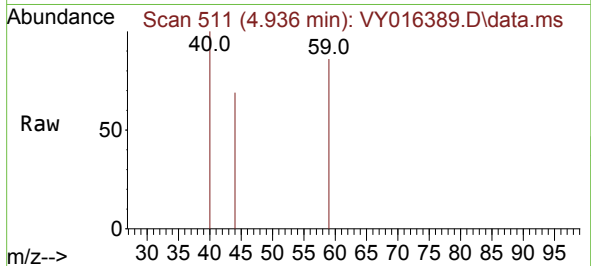




#11
Tert butyl alcohol
Concen: 5.834 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.037 min
Lab File: VY016389.D
Acq: 16 Nov 2023 14:53

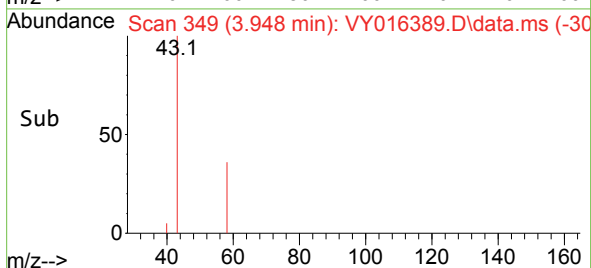
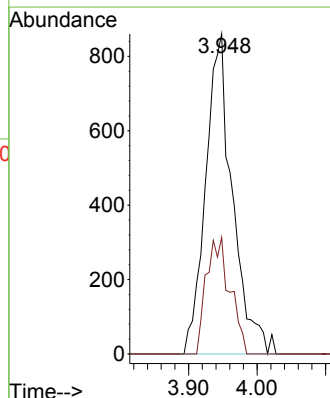
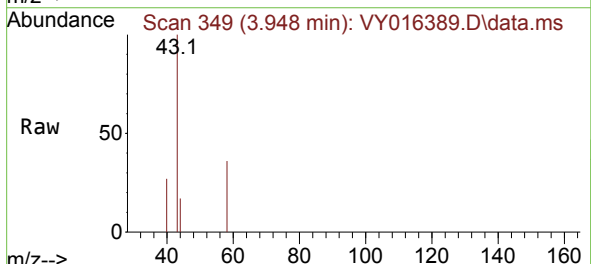
Instrument :
MSVOA_Y
ClientSampleId :

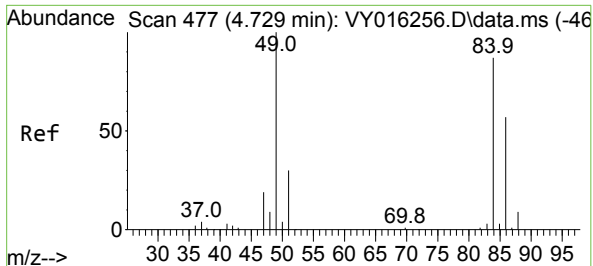
Tgt Ion: 59 Resp: 120
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 53.975 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY016389.D
Acq: 16 Nov 2023 14:53

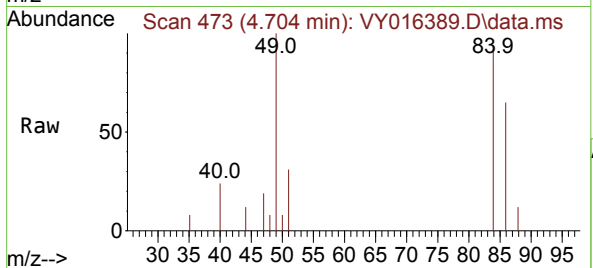
Tgt Ion: 43 Resp: 2345
Ion Ratio Lower Upper
43 100
58 36.4 22.7 34.1#



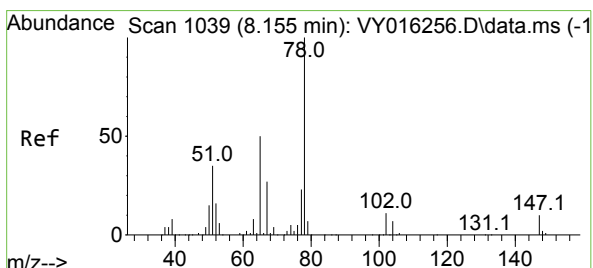
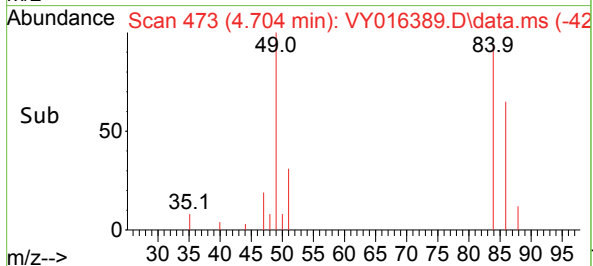
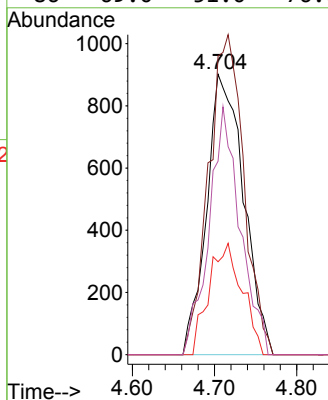


#20
Methylene Chloride
Concen: 6.134 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.025 min
Lab File: VY016389.D
Acq: 16 Nov 2023 14:53

Instrument :
MSVOA_Y
ClientSampleId :

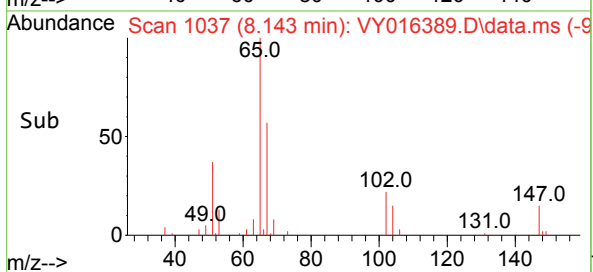
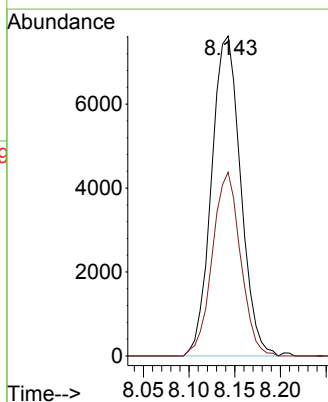
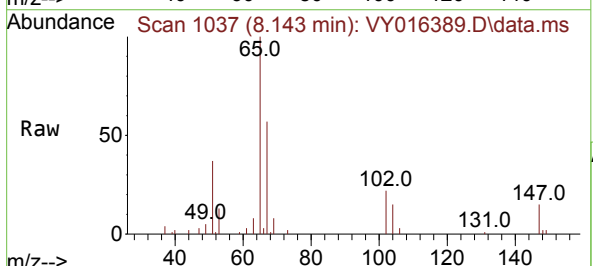


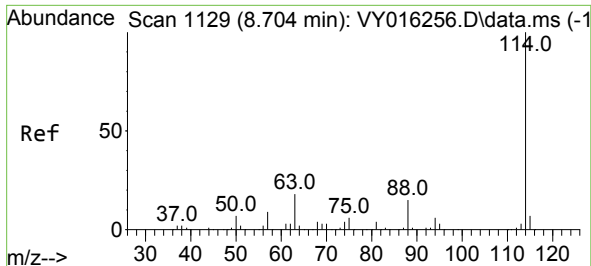
Tgt Ion:	84	Resp:	2820
Ion	Ratio	Lower	Upper
84	100		
49	106.4	106.9	160.3#
51	33.1	33.2	49.8#
86	69.0	51.0	76.6



#33
1,2-Dichloroethane-d4
Concen: 64.389 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.012 min
Lab File: VY016389.D
Acq: 16 Nov 2023 14:53

Tgt Ion:	65	Resp:	16912
Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.012 min

Lab File: VY016389.D

Acq: 16 Nov 2023 14:53

Instrument :

MSVOA_Y

ClientSampleId :

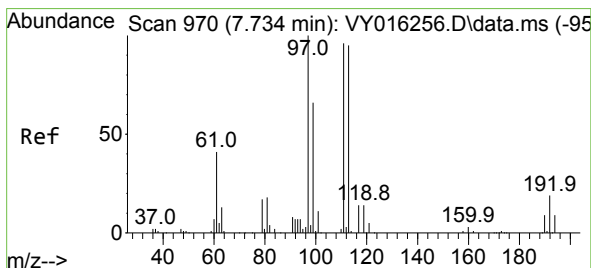
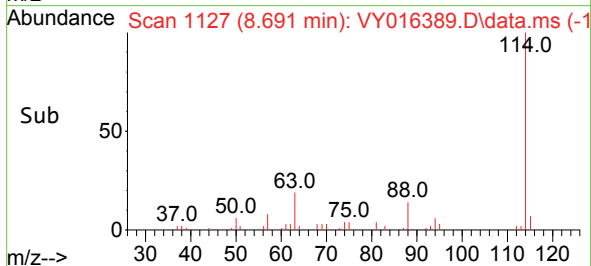
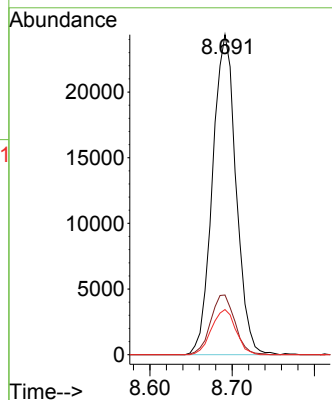
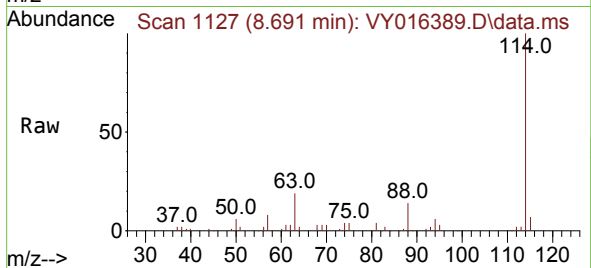
Tgt Ion:114 Resp: 48449

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

88 14.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 58.139 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.012 min

Lab File: VY016389.D

Acq: 16 Nov 2023 14:53

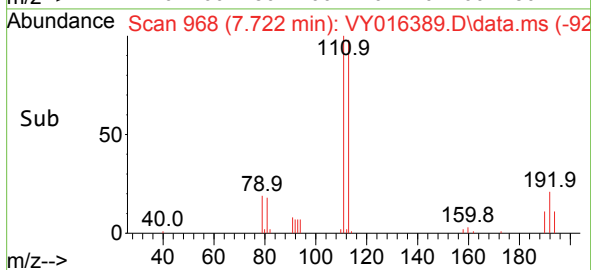
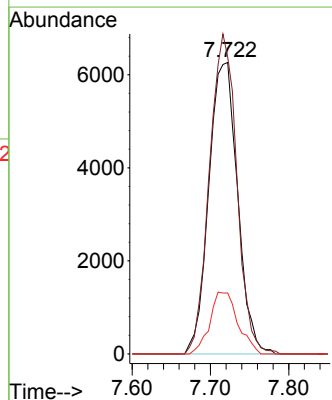
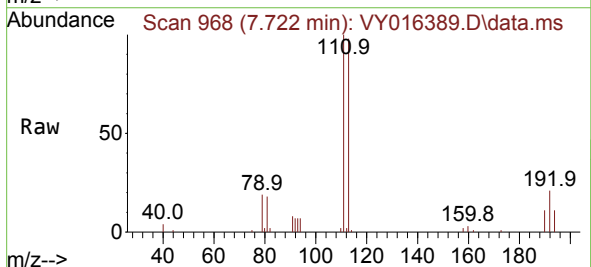
Tgt Ion:113 Resp: 16001

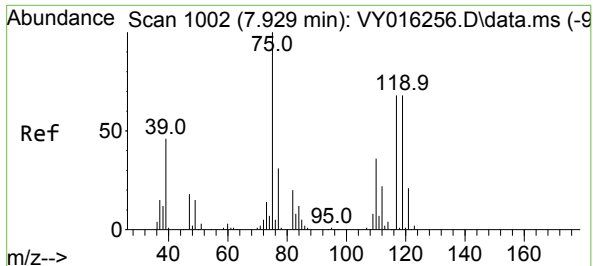
Ion Ratio Lower Upper

113 100

111 104.2 81.3 121.9

192 20.6 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.189 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.146 min

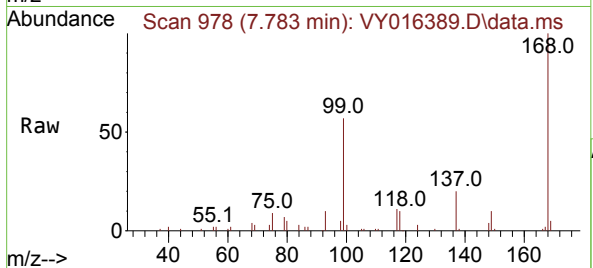
Lab File: VY016389.D

Acq: 16 Nov 2023 14:53

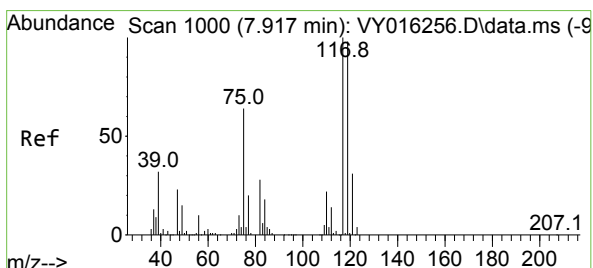
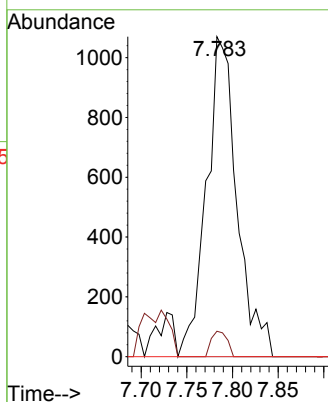
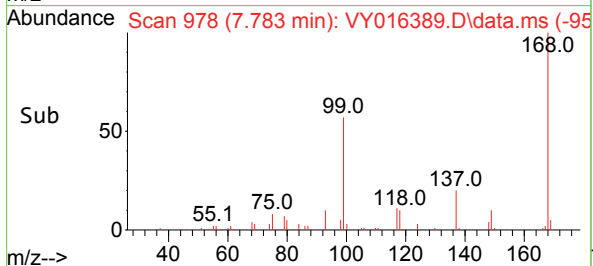
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 2480
Ion Ratio	Lower Upper
75	100
110	4.1 17.8 53.5#
77	0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.742 ug/l

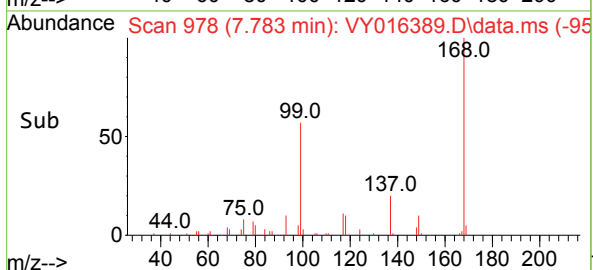
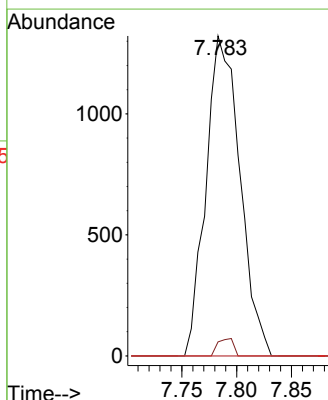
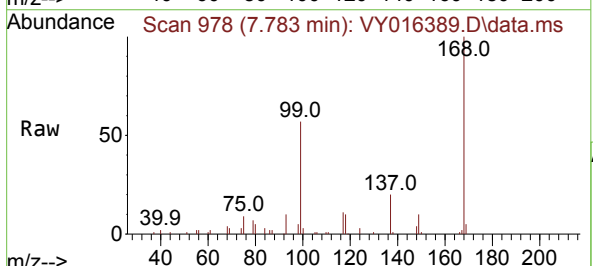
RT: 7.783 min Scan# 978

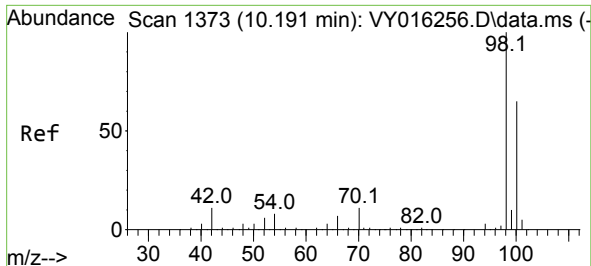
Delta R.T. -0.134 min

Lab File: VY016389.D

Acq: 16 Nov 2023 14:53

Tgt Ion: 117	Resp: 2848
Ion Ratio	Lower Upper
117	100
119	4.4 76.4 114.6#
121	0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.766 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY016389.D

Acq: 16 Nov 2023 14:53

Instrument :

MSVOA_Y

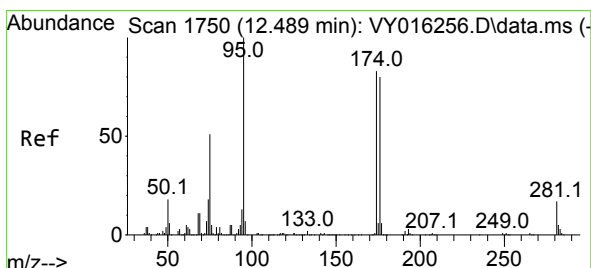
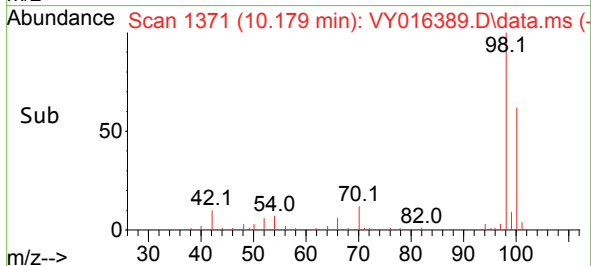
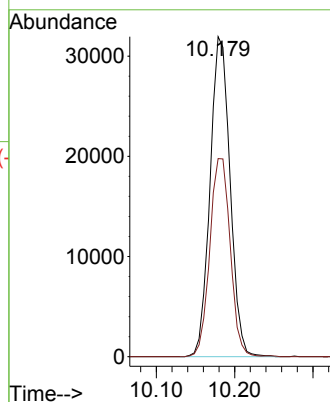
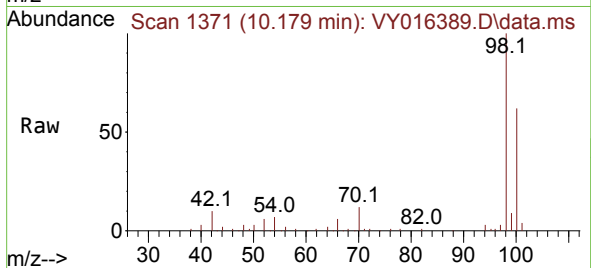
ClientSampleId :

Tgt Ion: 98 Resp: 56659

Ion Ratio Lower Upper

98 100

100 63.2 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 47.511 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VY016389.D

Acq: 16 Nov 2023 14:53

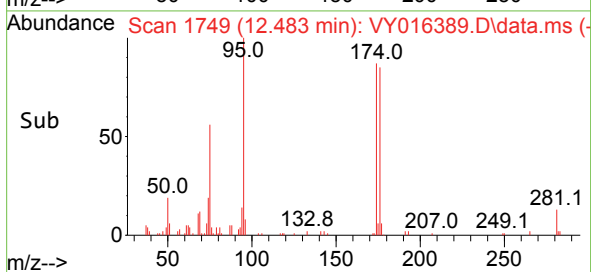
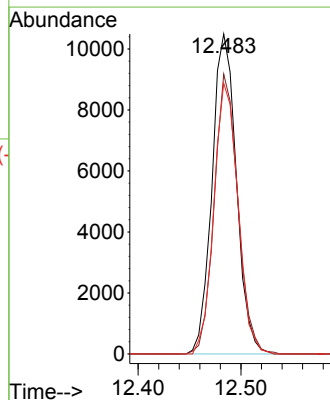
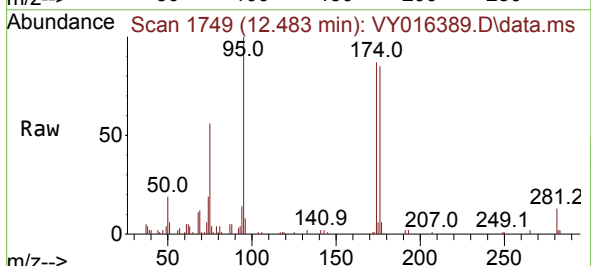
Tgt Ion: 95 Resp: 17222

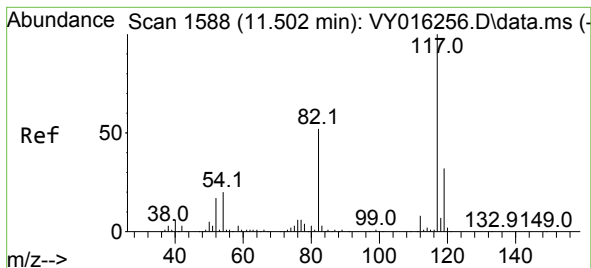
Ion Ratio Lower Upper

95 100

174 84.8 0.0 178.2

176 84.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016389.D

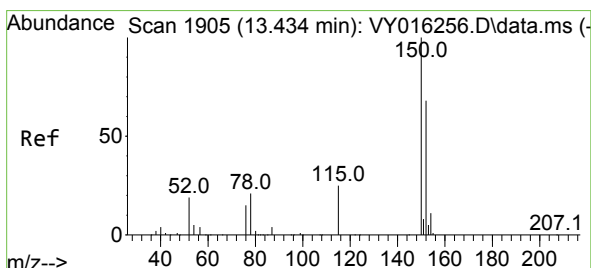
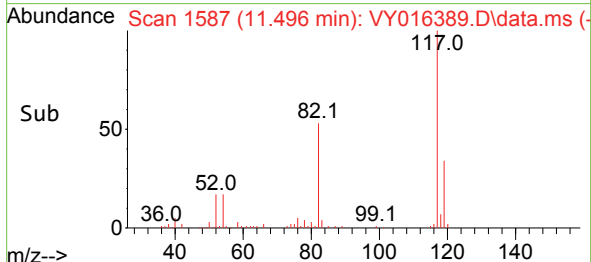
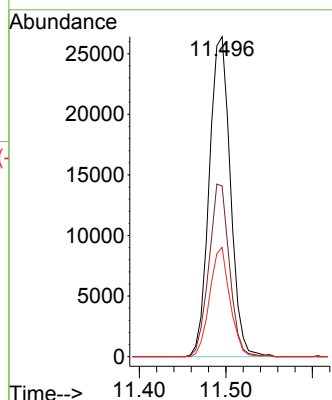
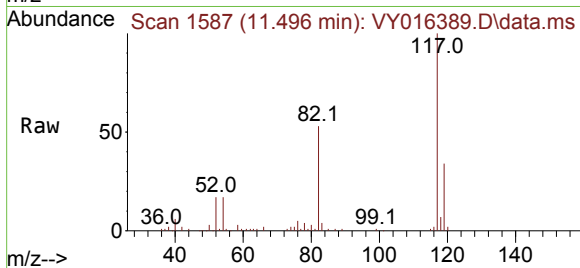
Acq: 16 Nov 2023 14:53

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	117	Resp:	44793
Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.4	65.0
119	34.2	26.3	39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

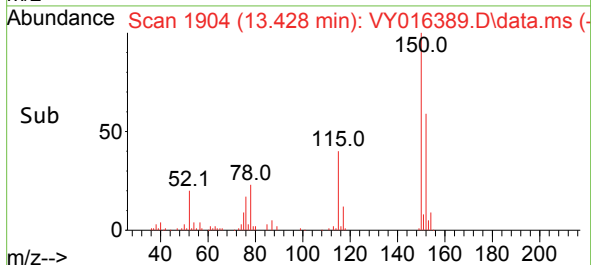
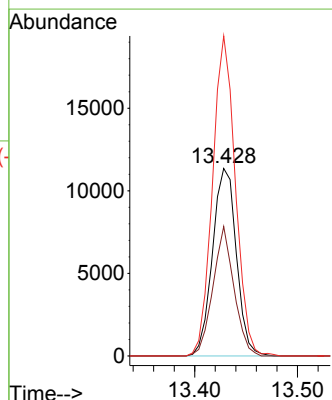
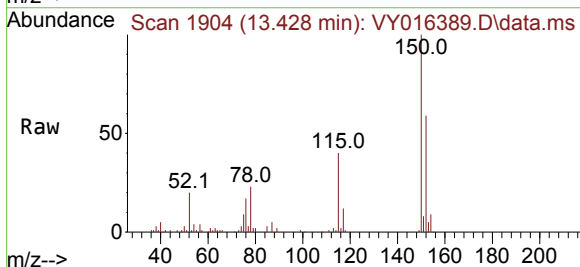
RT: 13.428 min Scan# 1904

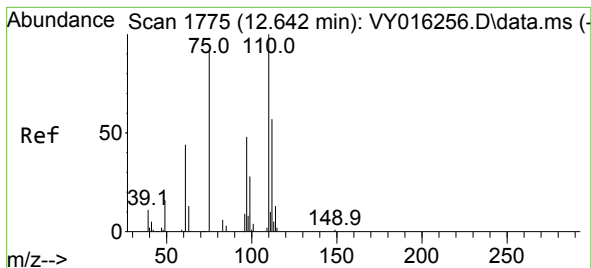
Delta R.T. -0.006 min

Lab File: VY016389.D

Acq: 16 Nov 2023 14:53

Tgt Ion:	152	Resp:	18296
Ion	Ratio	Lower	Upper
152	100		
115	60.8	28.8	86.5
150	163.0	0.0	348.8





#76

1,2,3-Trichloropropane

Concen: 52.008 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.159 min

Lab File: VY016389.D

Acq: 16 Nov 2023 14:53

Instrument :

MSVOA_Y

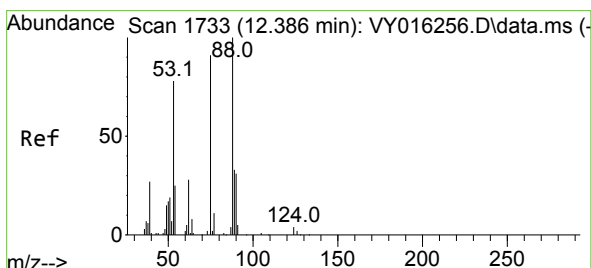
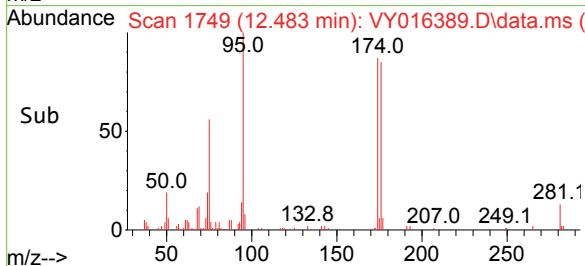
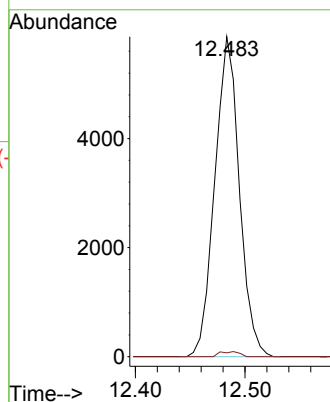
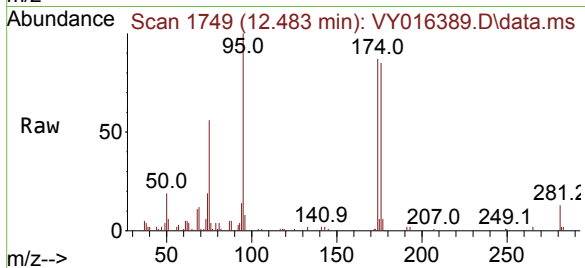
ClientSampleId :

Tgt Ion: 75 Resp: 9128

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 112.888 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.097 min

Lab File: VY016389.D

Acq: 16 Nov 2023 14:53

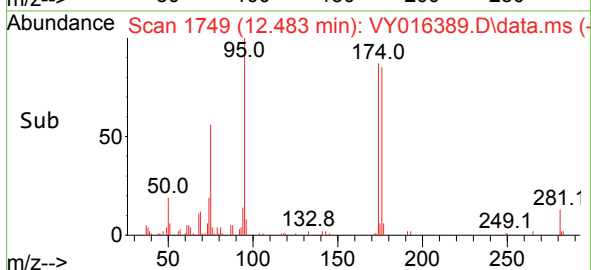
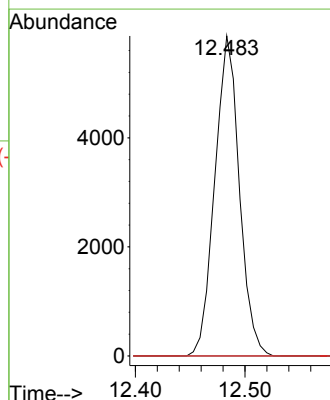
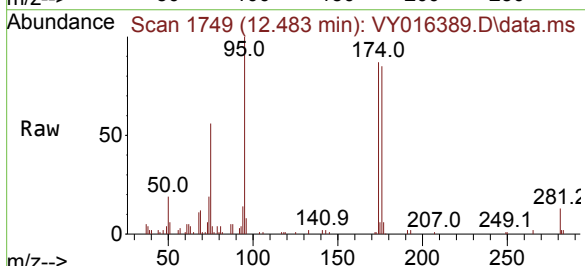
Tgt Ion: 75 Resp: 9128

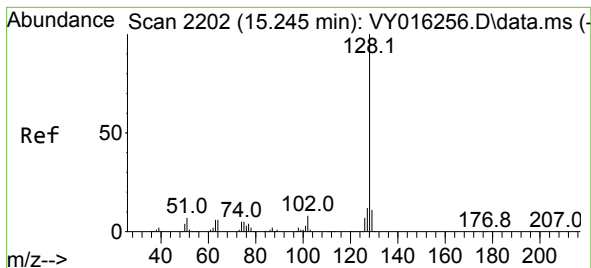
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#





#95

Naphthalene

Concen: 3.050 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.006 min

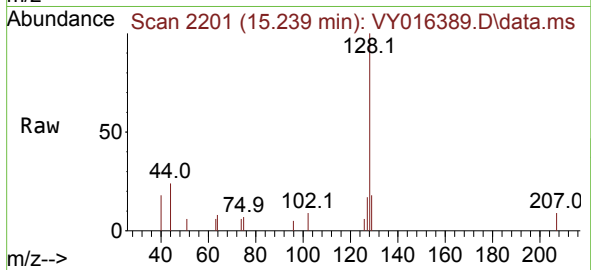
Lab File: VY016389.D

Acq: 16 Nov 2023 14:53

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 1758

Ion Ratio Lower Upper

128 100

127 13.1 10.8 16.2

129 11.1 8.6 13.0

