

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020224\
 Data File : VY017205.D
 Acq On : 03 Feb 2024 00:57
 Operator : SY/MD
 Sample : P1316-01
 Misc : 4.70g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

Quant Time: Feb 03 01:44:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

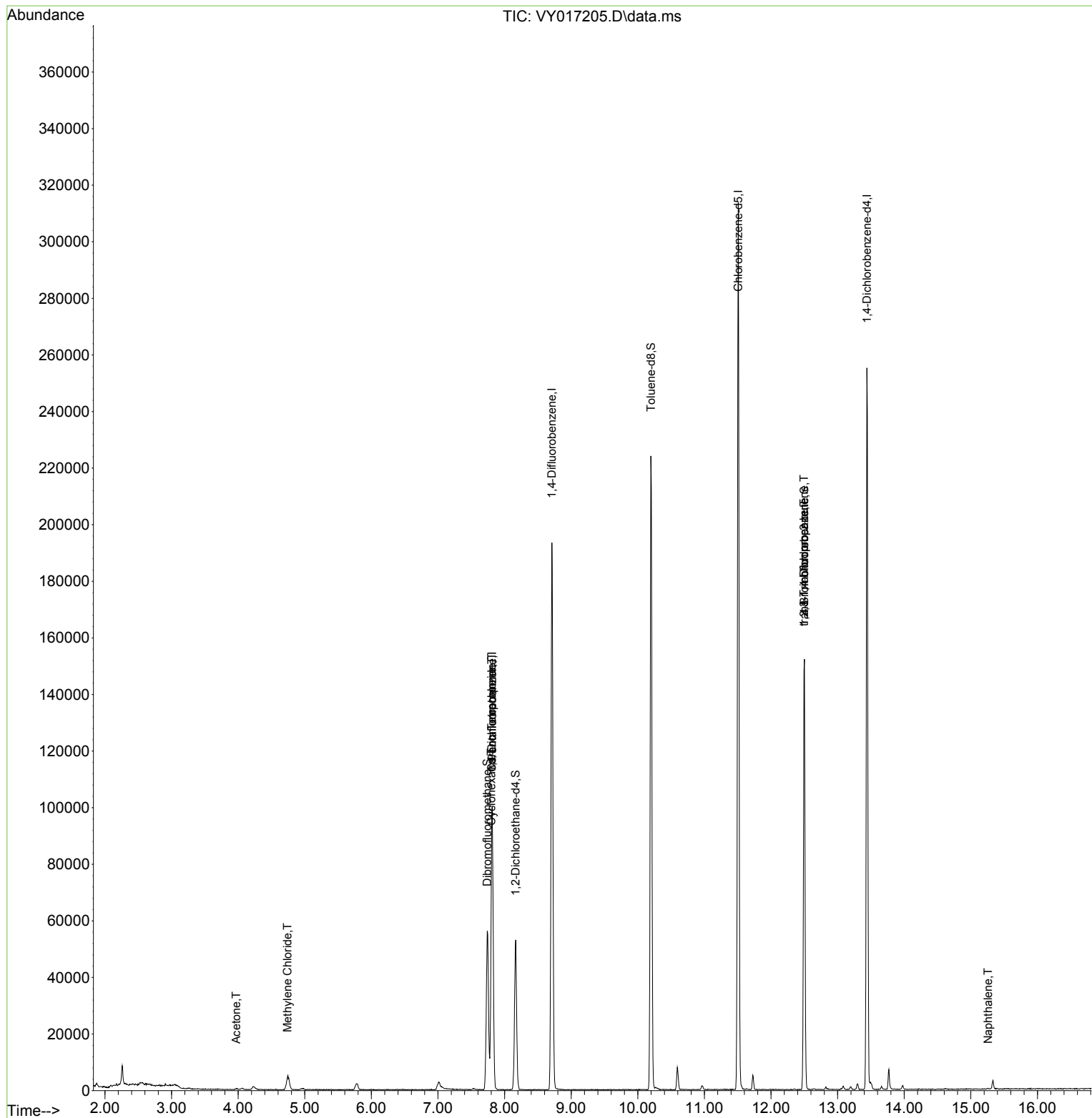
Internal Standards						
1) Pentafluorobenzene	7.813	168	78115	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.710	114	165247	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	168395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	64254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	39186	56.154	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.300%
35) Dibromofluoromethane	7.740	113	40538	45.435	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.860%
50) Toluene-d8	10.197	98	147578	45.429	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.860%
62) 4-Bromofluorobenzene	12.502	95	47396	44.538	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.080%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	495	Below Cal	#	75
16) Acetone	3.973	43	560	2.730	ug/l #	84
20) Methylene Chloride	4.741	84	3743	1.024	ug/l	92
31) Cyclohexane	7.801	56	1819	1.293	ug/l #	49
36) 1,1-Dichloropropene	7.807	75	6624	4.304	ug/l #	49
38) Carbon Tetrachloride	7.807	117	7836	5.318	ug/l #	16
76) 1,2,3-Trichloropropane	12.495	75	25189	42.473	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	25189	88.254	ug/l #	12
95) Naphthalene	15.257	128	211	3.538	ug/l #	69

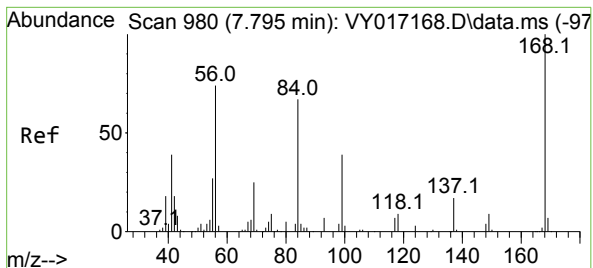
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 02 00:56:04 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.813 min Scan# 9

Delta R.T. 0.018 min

Lab File: VY017205.D

Acq: 03 Feb 2024 00:57

Instrument :

MSVOA_Y

ClientSampleId :

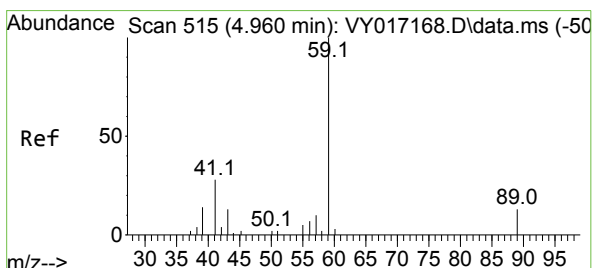
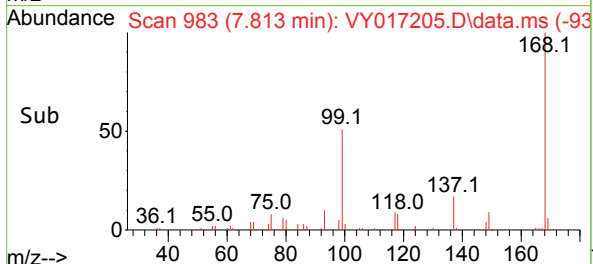
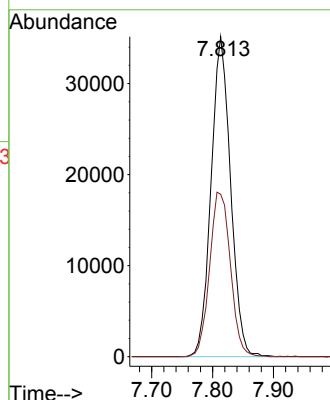
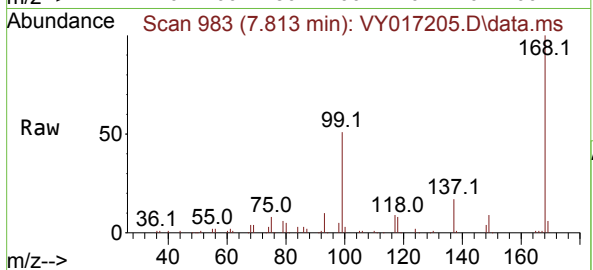
COMP-1

Tgt Ion:168 Resp: 78115

Ion Ratio Lower Upper

168 100

99 50.7 44.2 66.4



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.972 min Scan# 517

Delta R.T. 0.012 min

Lab File: VY017205.D

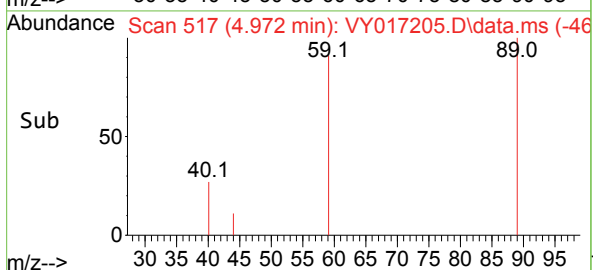
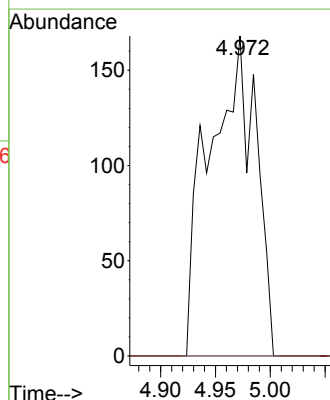
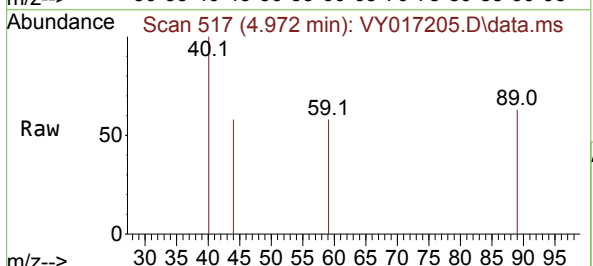
Acq: 03 Feb 2024 00:57

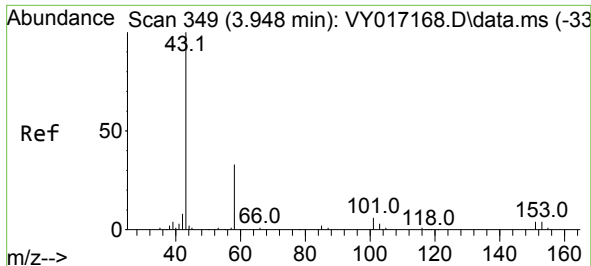
Tgt Ion: 59 Resp: 495

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.0#





#16

Acetone

Concen: 2.730 ug/l

RT: 3.973 min Scan# 3

Delta R.T. 0.025 min

Lab File: VY017205.D

Acq: 03 Feb 2024 00:57

Instrument :

MSVOA_Y

ClientSampleId :

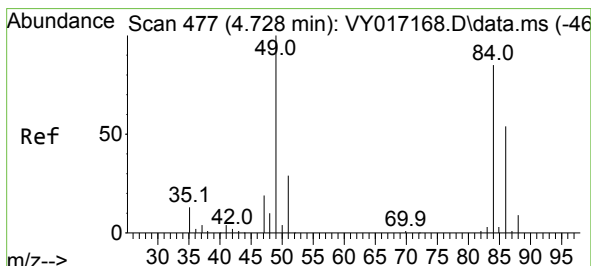
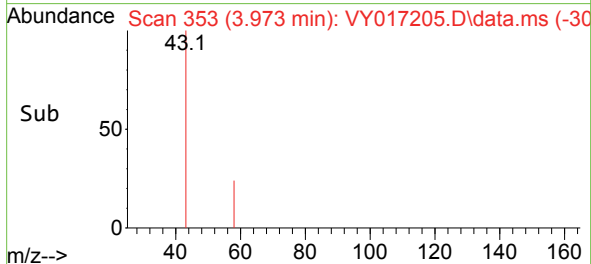
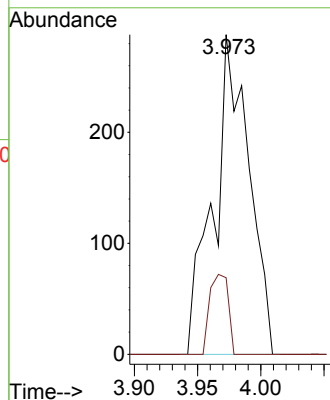
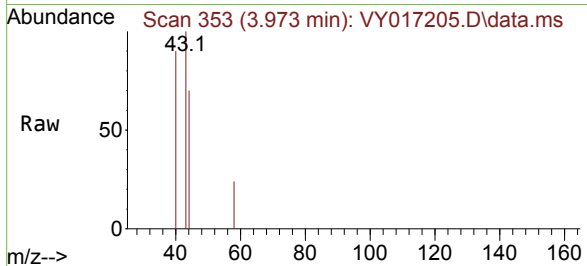
COMP-1

Tgt Ion: 43 Resp: 560

Ion Ratio Lower Upper

43 100

58 24.0 26.6 39.8#



#20

Methylene Chloride

Concen: 1.024 ug/l

RT: 4.741 min Scan# 479

Delta R.T. 0.013 min

Lab File: VY017205.D

Acq: 03 Feb 2024 00:57

Tgt Ion: 84 Resp: 3743

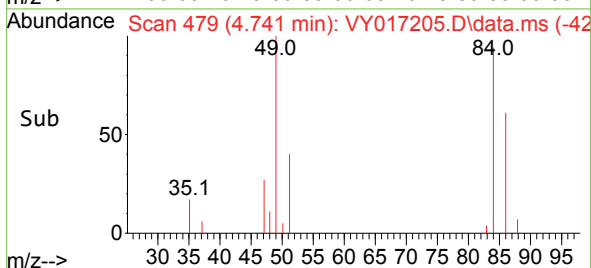
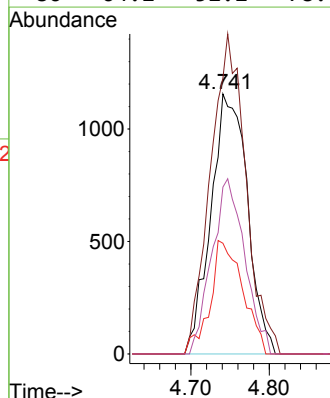
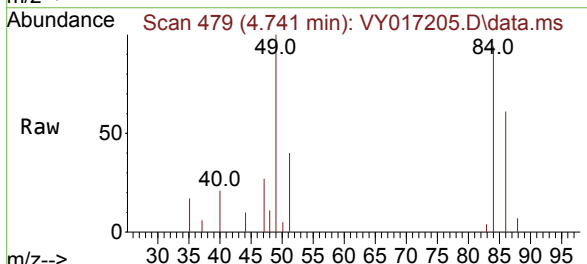
Ion Ratio Lower Upper

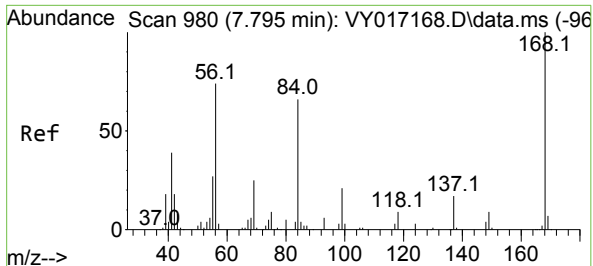
84 100

49 106.1 95.2 142.8

51 42.6 29.9 44.9

86 64.2 52.2 78.4

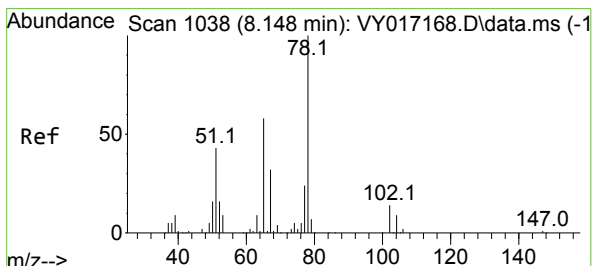
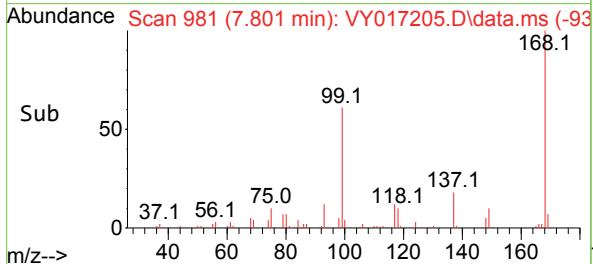
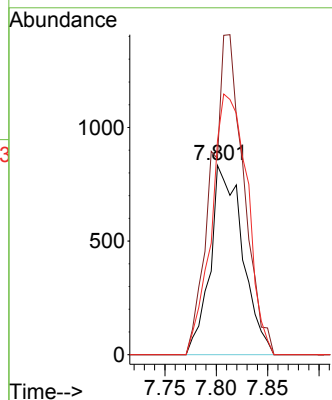
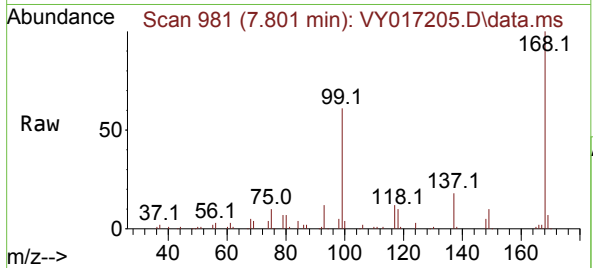




#31
Cyclohexane
Concen: 1.293 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017205.D
Acq: 03 Feb 2024 00:57

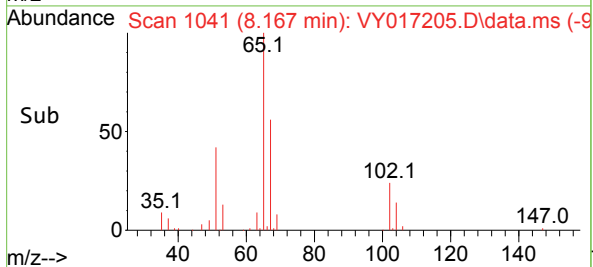
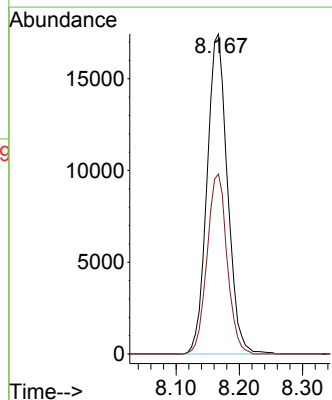
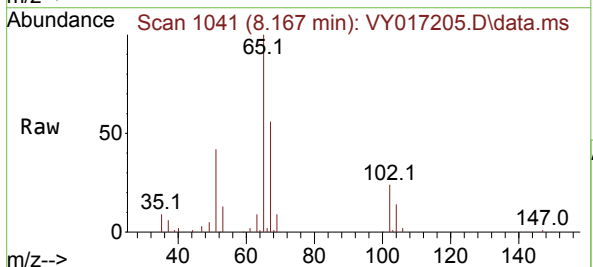
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

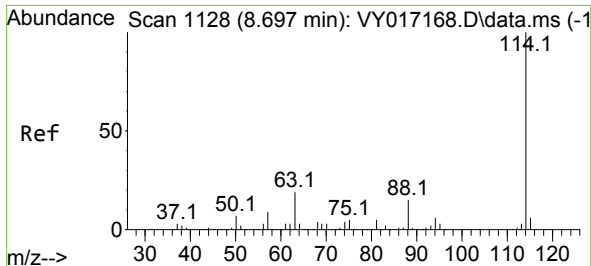
Tgt Ion: 56 Resp: 1819
Ion Ratio Lower Upper
56 100
69 103.6 27.0 40.6#
84 113.1 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 56.154 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.019 min
Lab File: VY017205.D
Acq: 03 Feb 2024 00:57

Tgt Ion: 65 Resp: 39186
Ion Ratio Lower Upper
65 100
67 55.1 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1130

Delta R.T. 0.013 min

Lab File: VY017205.D

Acq: 03 Feb 2024 00:57

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1

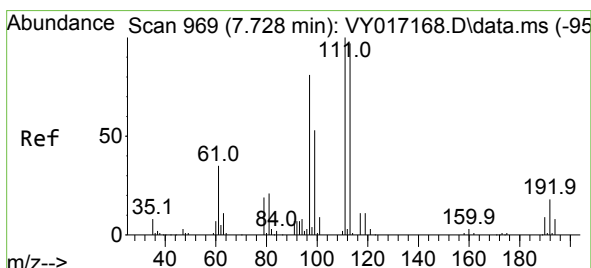
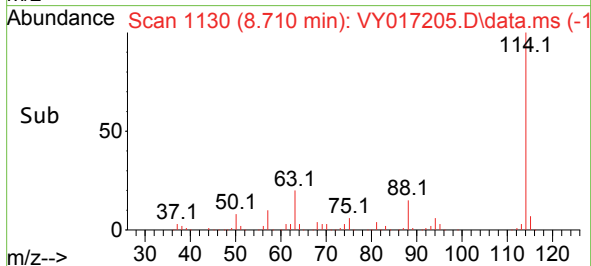
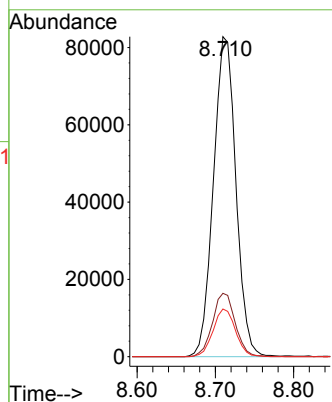
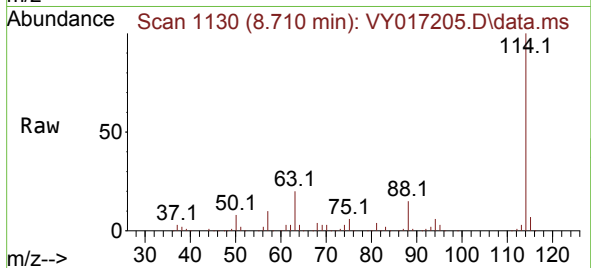
Tgt Ion:114 Resp: 165247

Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.4

88 14.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 45.435 ug/l

RT: 7.740 min Scan# 971

Delta R.T. 0.013 min

Lab File: VY017205.D

Acq: 03 Feb 2024 00:57

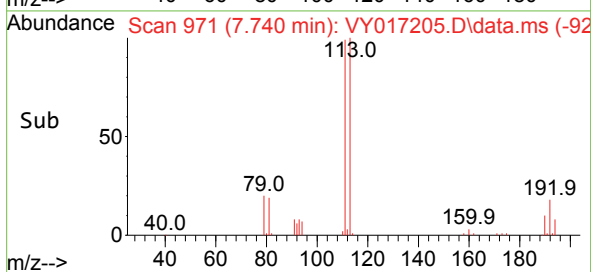
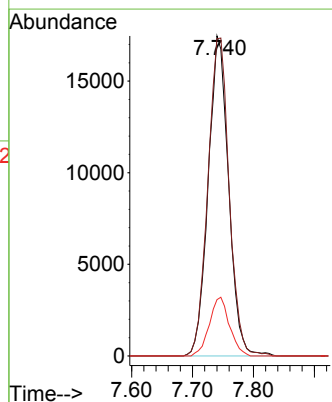
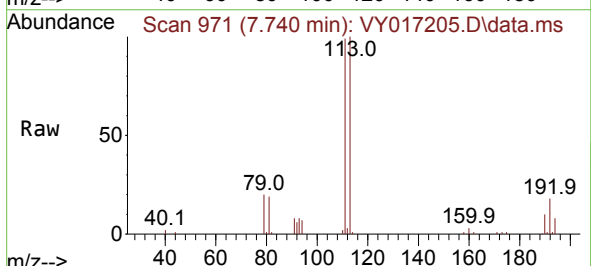
Tgt Ion:113 Resp: 40538

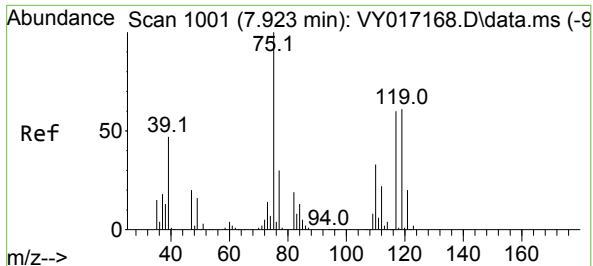
Ion Ratio Lower Upper

113 100

111 103.6 83.8 125.6

192 18.2 14.5 21.7

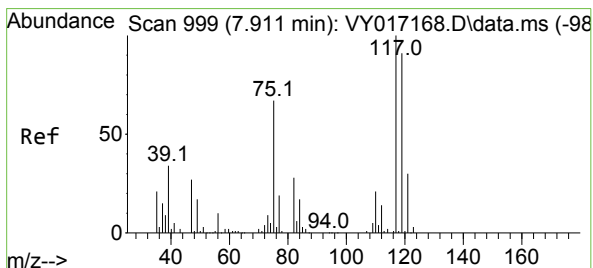
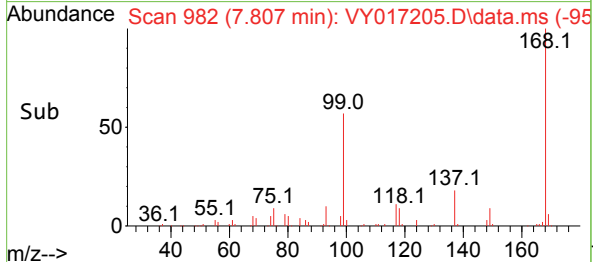
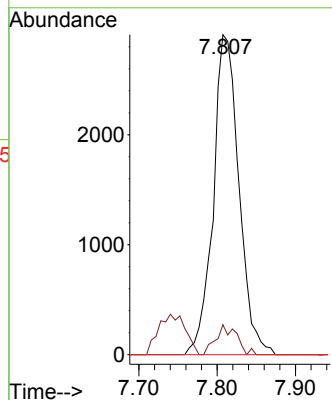
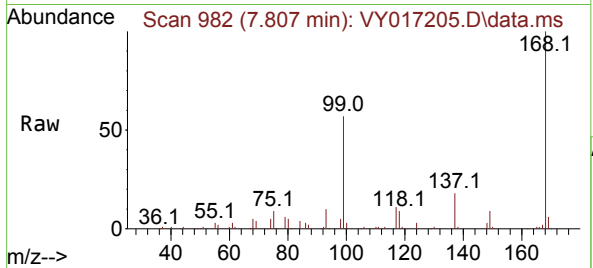




#36
1,1-Dichloropropene
Concen: 4.304 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY017205.D
Acq: 03 Feb 2024 00:57

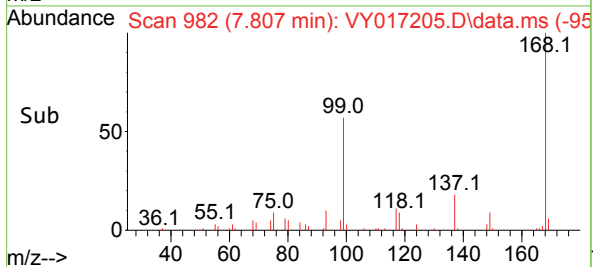
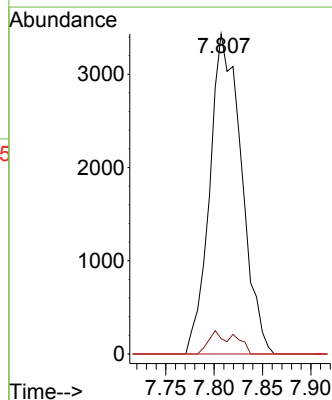
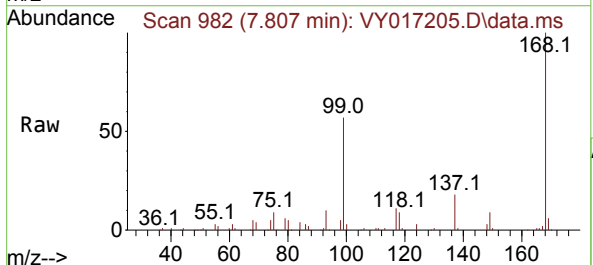
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

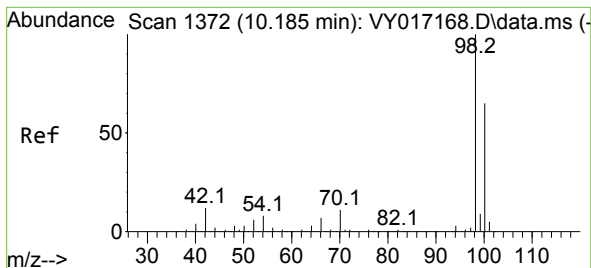
Tgt Ion: 75 Resp: 6624
Ion Ratio Lower Upper
75 100
110 7.6 17.4 52.3#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.318 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.103 min
Lab File: VY017205.D
Acq: 03 Feb 2024 00:57

Tgt Ion: 117 Resp: 7836
Ion Ratio Lower Upper
117 100
119 4.8 76.0 114.0#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 45.429 ug/l

RT: 10.197 min Scan# 11

Delta R.T. 0.013 min

Lab File: VY017205.D

Acq: 03 Feb 2024 00:57

Instrument :

MSVOA_Y

ClientSampleId :

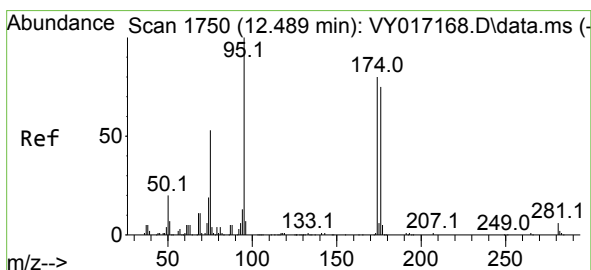
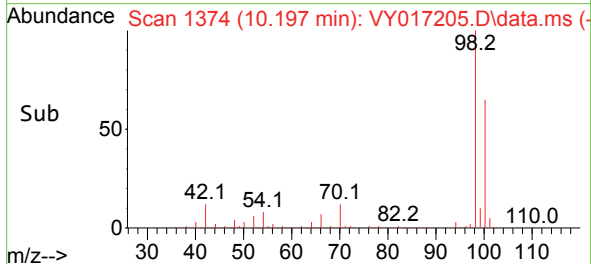
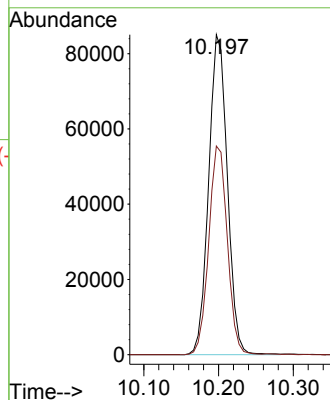
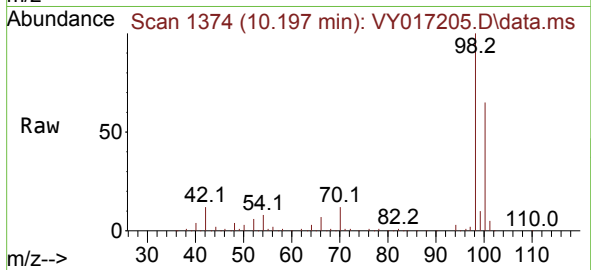
COMP-1

Tgt Ion: 98 Resp: 147578

Ion Ratio Lower Upper

98 100

100 64.8 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 44.538 ug/l

RT: 12.502 min Scan# 1752

Delta R.T. 0.013 min

Lab File: VY017205.D

Acq: 03 Feb 2024 00:57

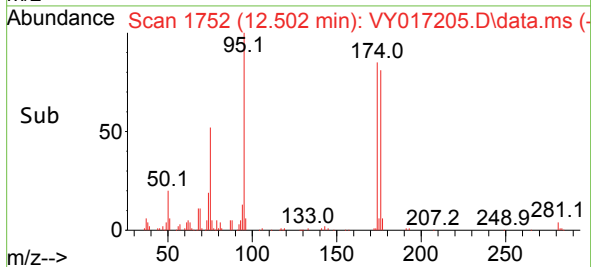
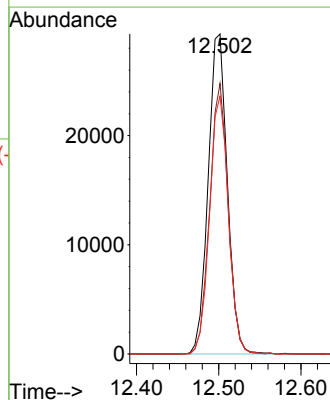
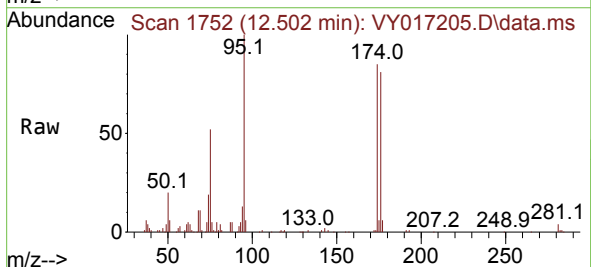
Tgt Ion: 95 Resp: 47396

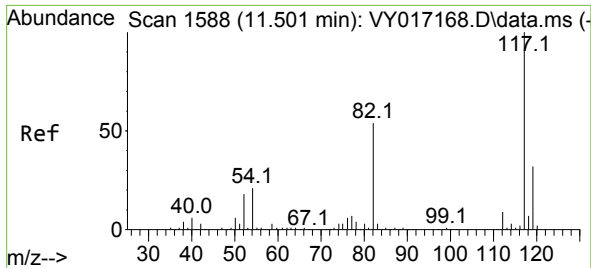
Ion Ratio Lower Upper

95 100

174 81.9 0.0 160.0

176 78.9 0.0 151.8

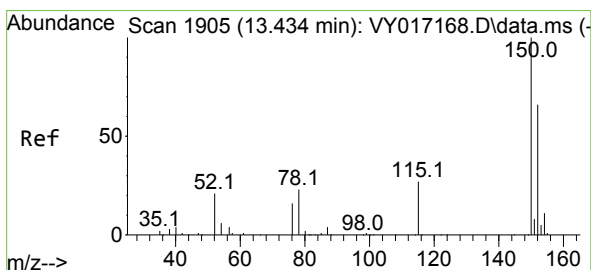
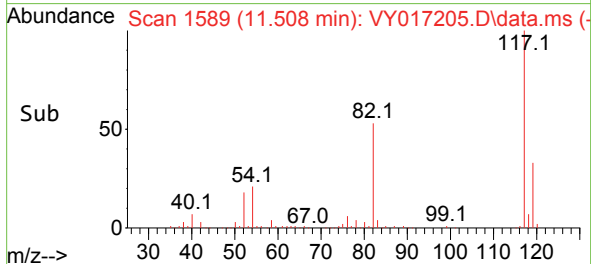
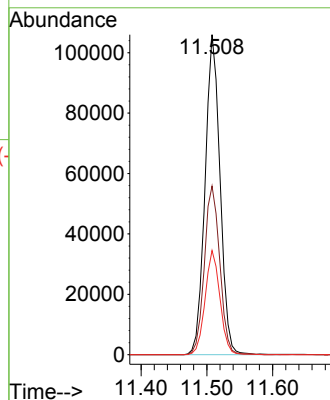
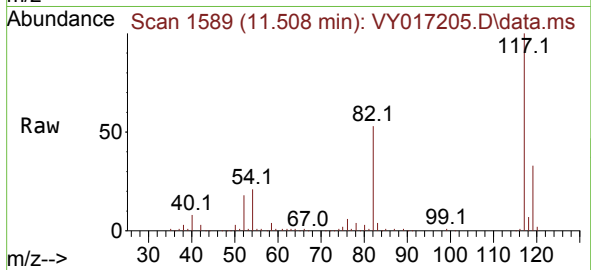




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY017205.D
Acq: 03 Feb 2024 00:57

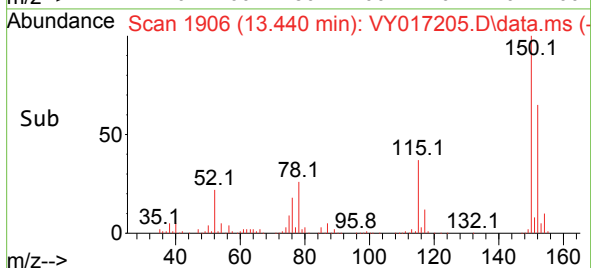
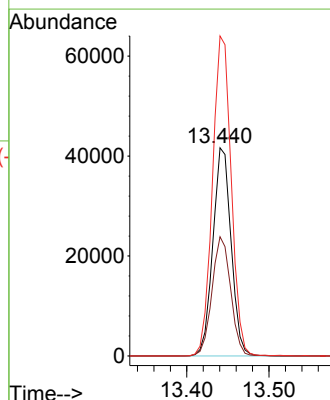
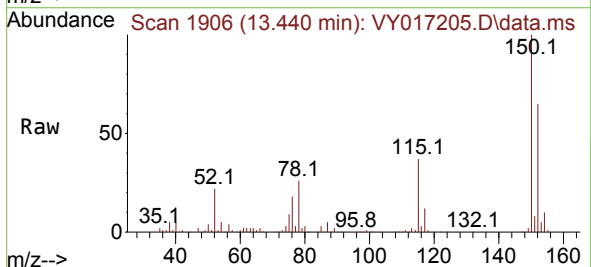
Instrument :
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ClientSampleId :
COMP-1

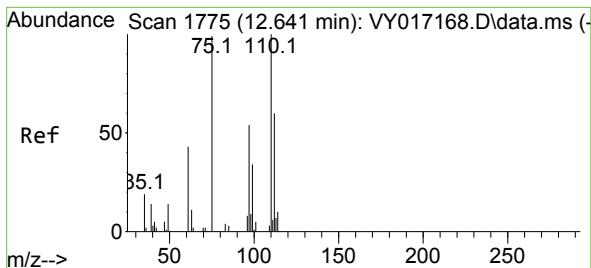
Tgt Ion:117 Resp: 168395
Ion Ratio Lower Upper
117 100
82 52.7 43.8 65.8
119 32.6 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.007 min
Lab File: VY017205.D
Acq: 03 Feb 2024 00:57

Tgt Ion:152 Resp: 64254
Ion Ratio Lower Upper
152 100
115 58.5 30.0 90.0
150 157.7 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 42.473 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY017205.D

Acq: 03 Feb 2024 00:57

Instrument :

MSVOA_Y

ClientSampleId :

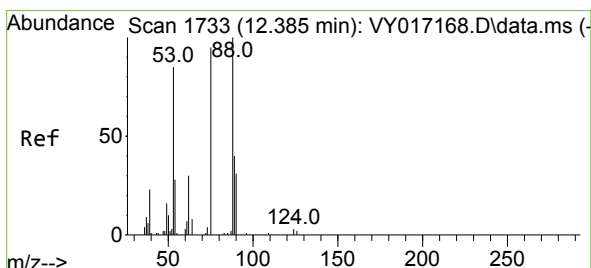
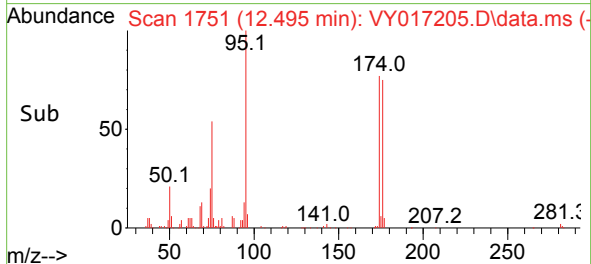
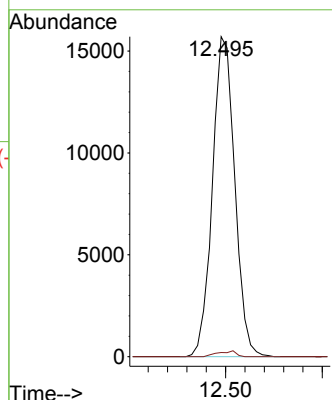
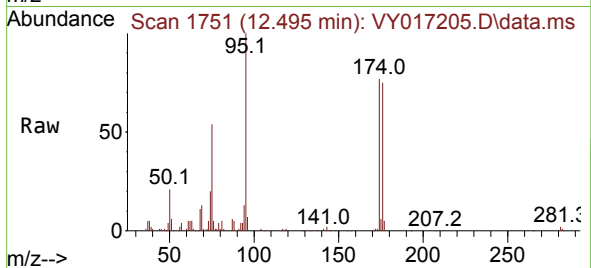
COMP-1

Tgt Ion: 75 Resp: 25189

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.254 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.110 min

Lab File: VY017205.D

Acq: 03 Feb 2024 00:57

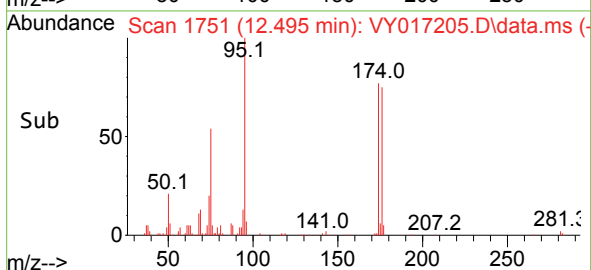
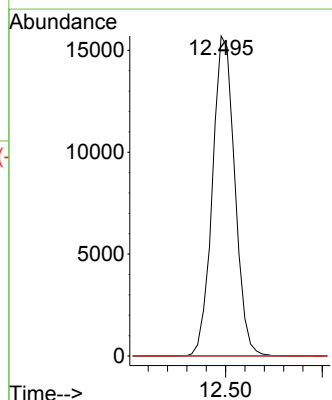
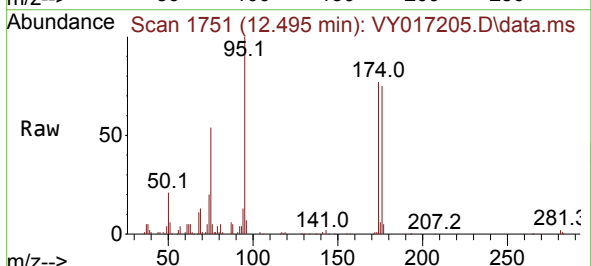
Tgt Ion: 75 Resp: 25189

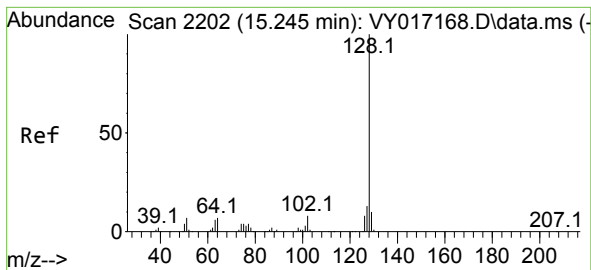
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.0 36.5 54.7#





#95

Naphthalene

Concen: 3.538 ug/l

RT: 15.257 min Scan# 211

Delta R.T. 0.012 min

Lab File: VY017205.D

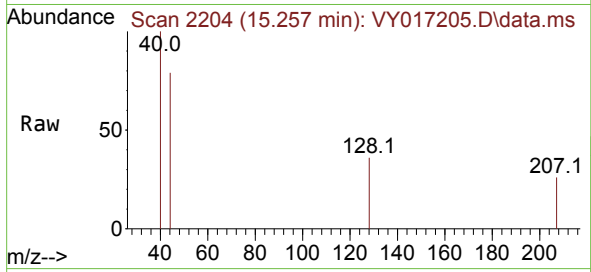
Acq: 03 Feb 2024 00:57

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1



Tgt Ion:128 Resp: 211

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.6 12.8#

