

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022924\
 Data File : VY017531.D
 Acq On : 29 Feb 2024 16:30
 Operator : SY/MD
 Sample : P1622-01RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-02-022824

Quant Time: Mar 01 00:32:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

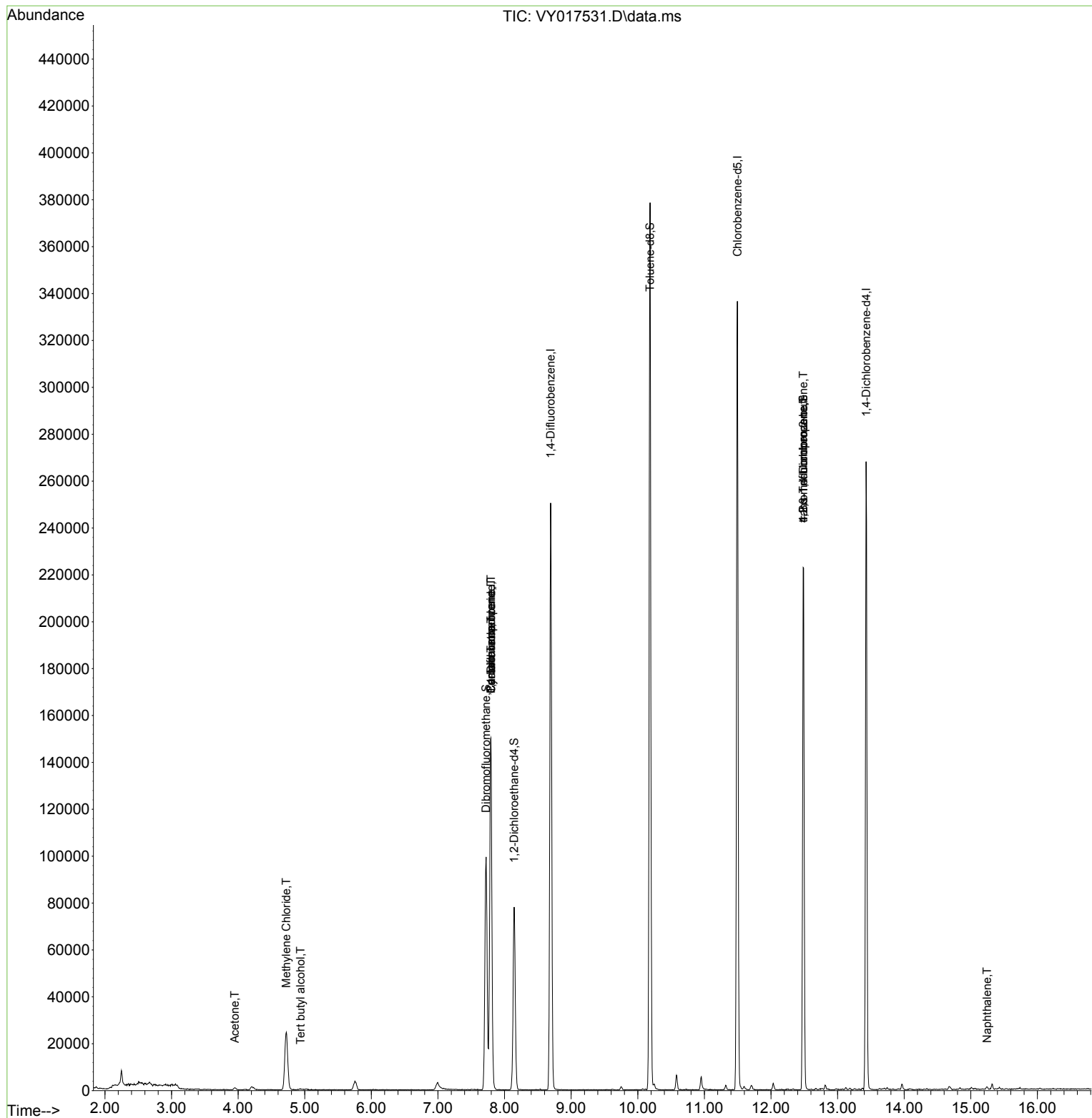
Internal Standards						
1) Pentafluorobenzene	7.795	168	125456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	224241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	197587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	71571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	57282	48.177	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.360%		
35) Dibromofluoromethane	7.722	113	72015	46.087	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.180%		
50) Toluene-d8	10.185	98	257908	47.207	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.420%		
62) 4-Bromofluorobenzene	12.483	95	67213	39.146	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	78.300%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.936	59	499	4.941	ug/l #	88
16) Acetone	3.948	43	1413	6.127	ug/l	99
20) Methylene Chloride	4.723	84	20957	11.219	ug/l	96
31) Cyclohexane	7.795	56	2181	1.127	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	9218	4.372	ug/l #	47
38) Carbon Tetrachloride	7.795	117	11450	5.419	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	33628	49.451	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	33628	113.626	ug/l #	16
95) Naphthalene	15.245	128	1341	4.466	ug/l #	83

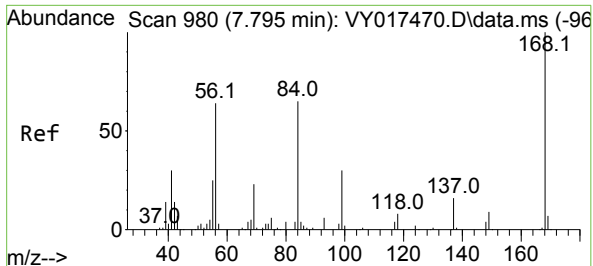
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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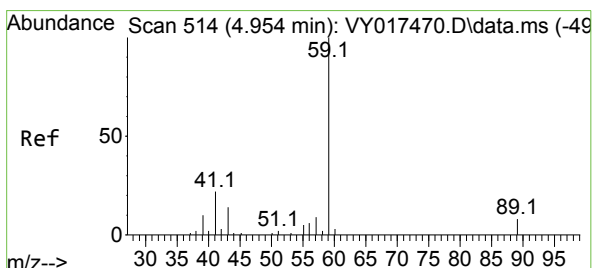
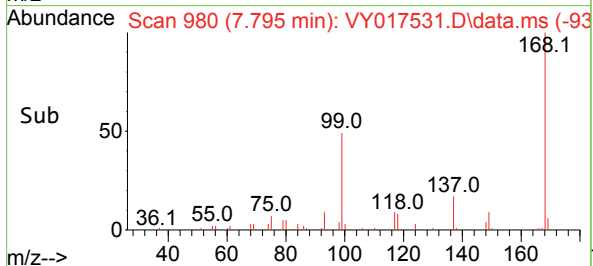
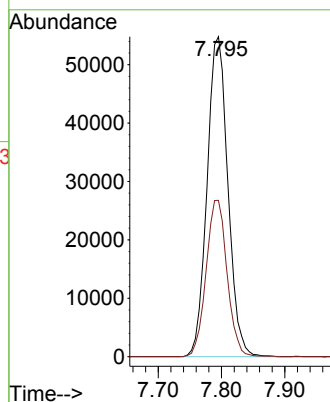
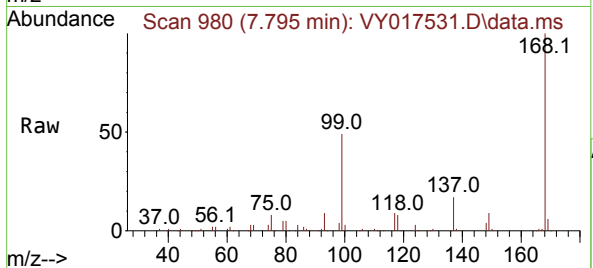




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY017531.D
Acq: 29 Feb 2024 16:30

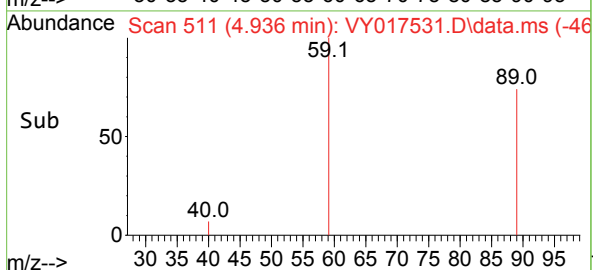
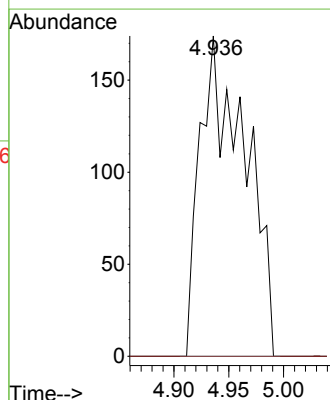
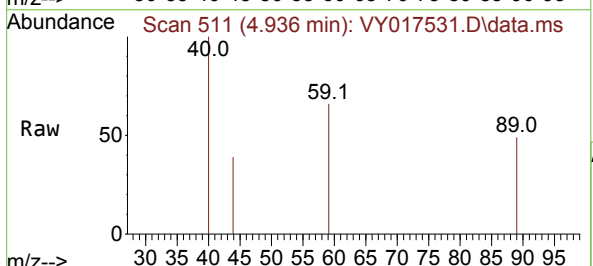
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-022824

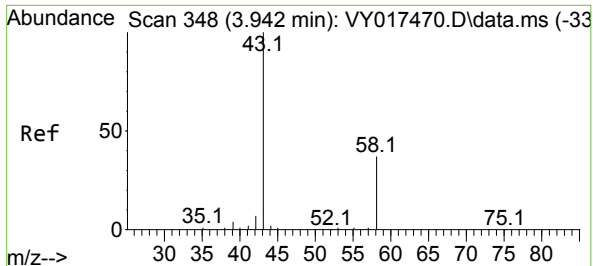
Tgt Ion:168 Resp: 125456
Ion Ratio Lower Upper
168 100
99 48.9 39.1 58.7



#11
Tert butyl alcohol
Concen: 4.941 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY017531.D
Acq: 29 Feb 2024 16:30

Tgt Ion: 59 Resp: 499
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 6.127 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY017531.D

Acq: 29 Feb 2024 16:30

Instrument :

MSVOA_Y

ClientSampleId :

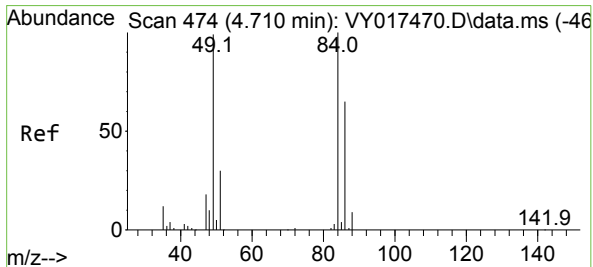
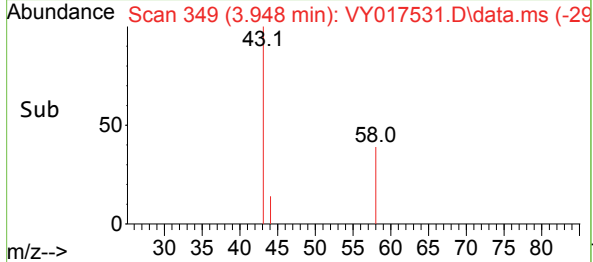
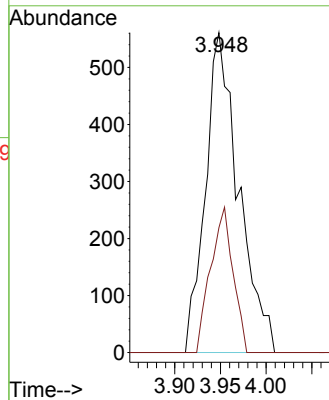
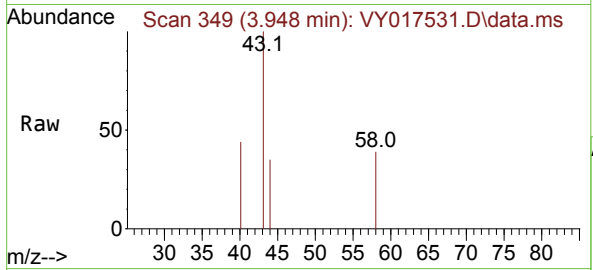
HD-02-022824

Tgt Ion: 43 Resp: 1413

Ion Ratio Lower Upper

43 100

58 39.0 31.7 47.5



#20

Methylene Chloride

Concen: 11.219 ug/l

RT: 4.723 min Scan# 476

Delta R.T. 0.013 min

Lab File: VY017531.D

Acq: 29 Feb 2024 16:30

Tgt Ion: 84 Resp: 20957

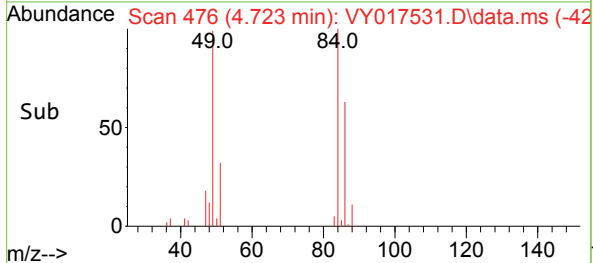
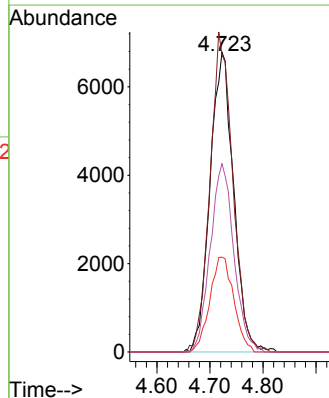
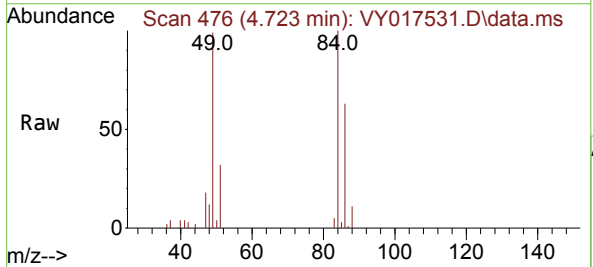
Ion Ratio Lower Upper

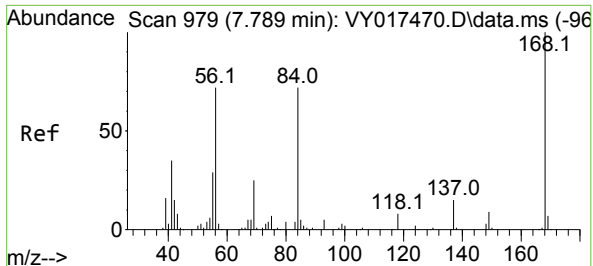
84 100

49 99.1 84.4 126.6

51 31.6 26.0 39.0

86 62.8 49.5 74.3

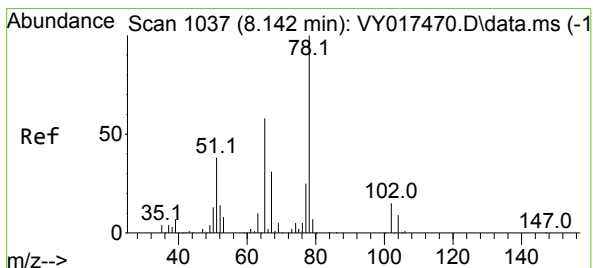
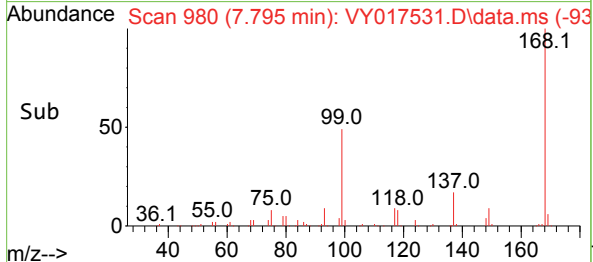
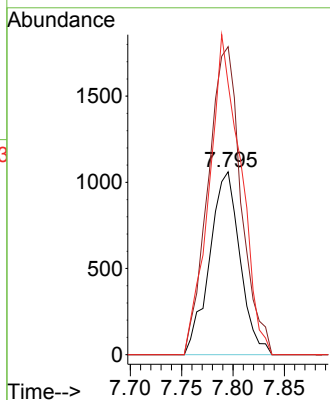
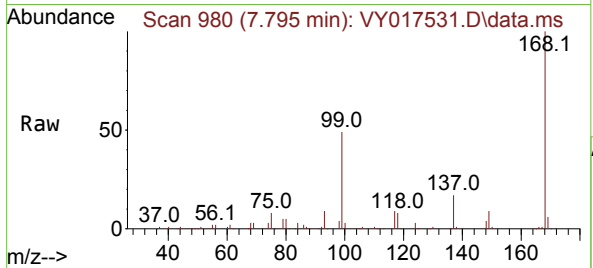




#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.795 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY017531.D
Acq: 29 Feb 2024 16:30

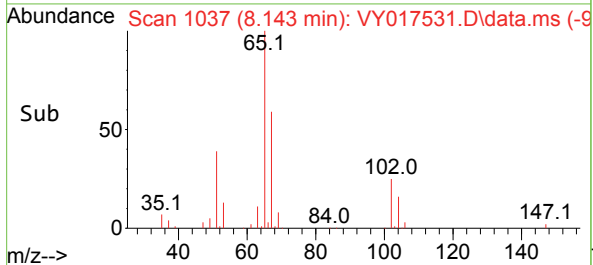
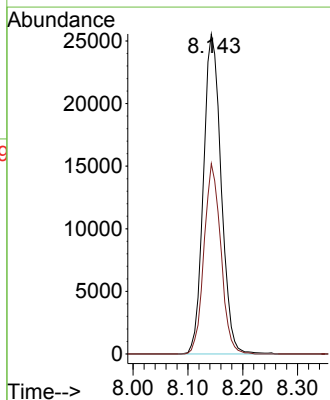
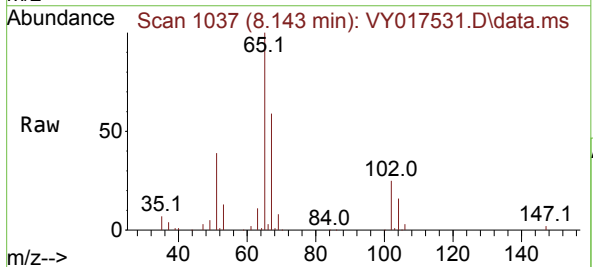
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-022824

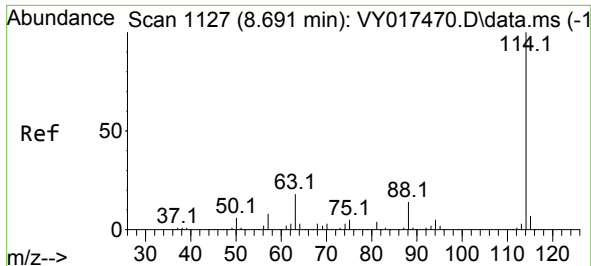
Tgt Ion: 56 Resp: 2181
Ion Ratio Lower Upper
56 100
69 168.4 28.7 43.1#
84 148.3 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 48.177 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY017531.D
Acq: 29 Feb 2024 16:30

Tgt Ion: 65 Resp: 57282
Ion Ratio Lower Upper
65 100
67 56.3 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY017531.D

Acq: 29 Feb 2024 16:30

Instrument :

MSVOA_Y

ClientSampleId :

HD-02-022824

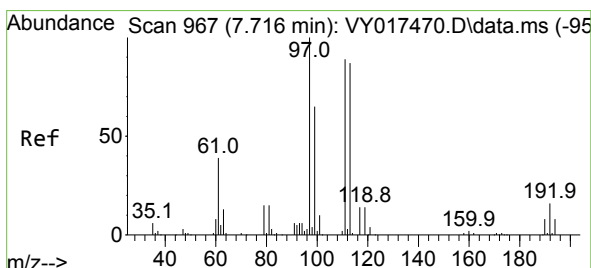
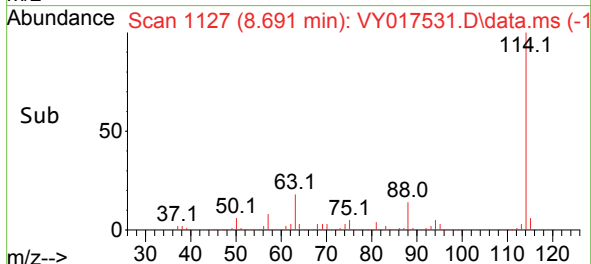
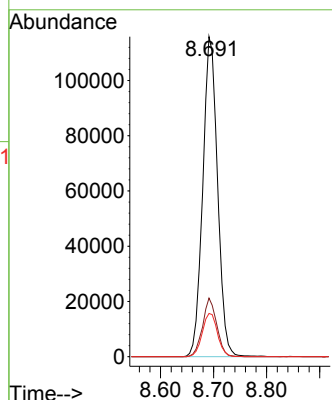
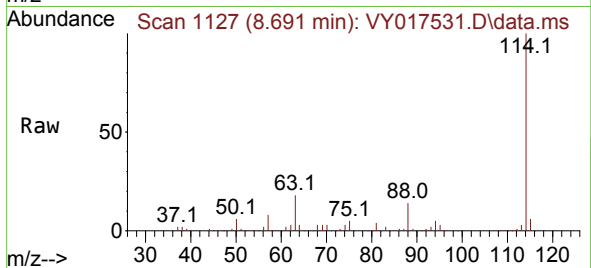
Tgt Ion:114 Resp: 224241

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.0

88 13.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 46.087 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY017531.D

Acq: 29 Feb 2024 16:30

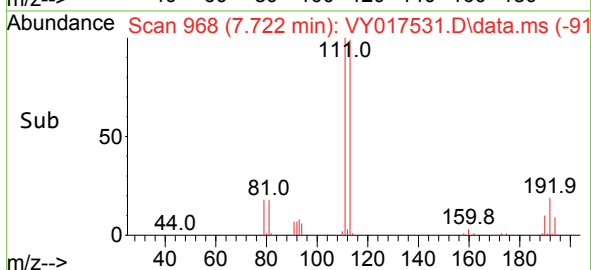
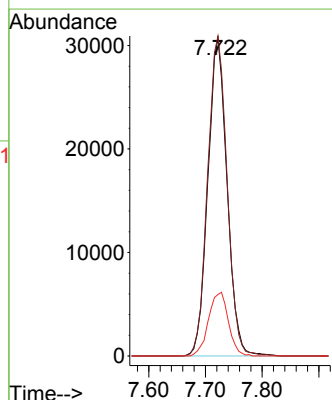
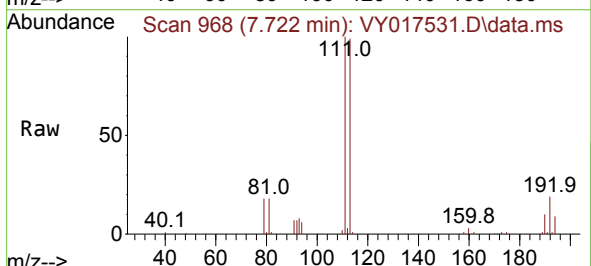
Tgt Ion:113 Resp: 72015

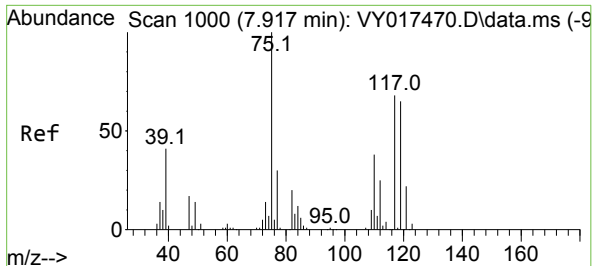
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

192 20.8 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.372 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.122 min

Lab File: VY017531.D

Acq: 29 Feb 2024 16:30

Instrument :

MSVOA_Y

ClientSampleId :

HD-02-022824

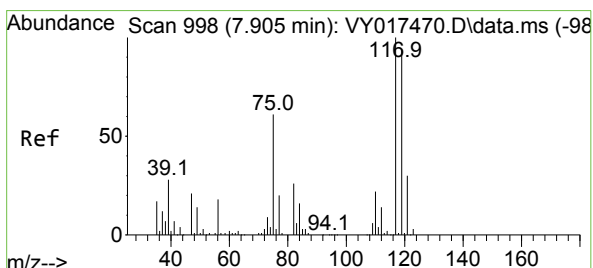
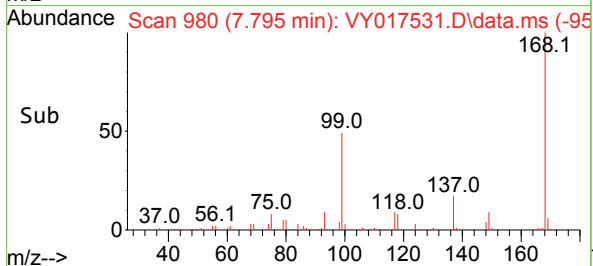
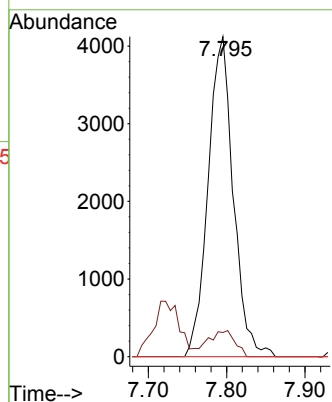
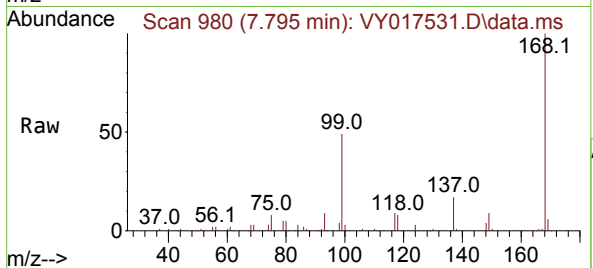
Tgt Ion: 75 Resp: 9218

Ion Ratio Lower Upper

75 100

110 8.3 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.419 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.109 min

Lab File: VY017531.D

Acq: 29 Feb 2024 16:30

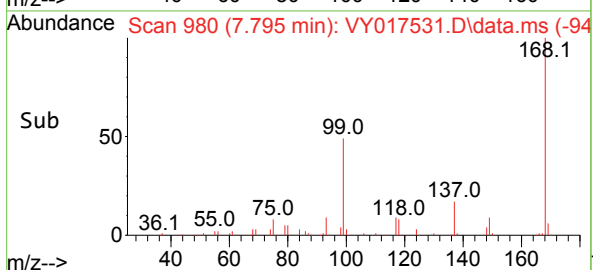
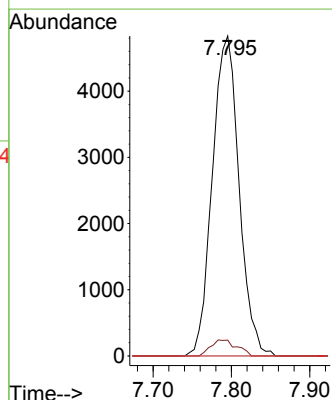
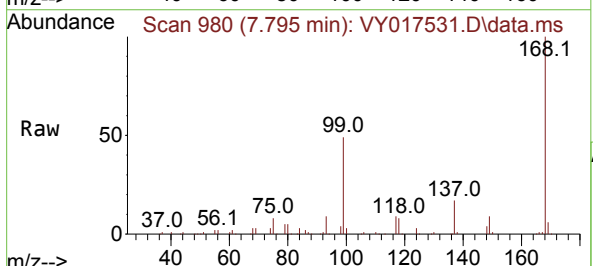
Tgt Ion: 117 Resp: 11450

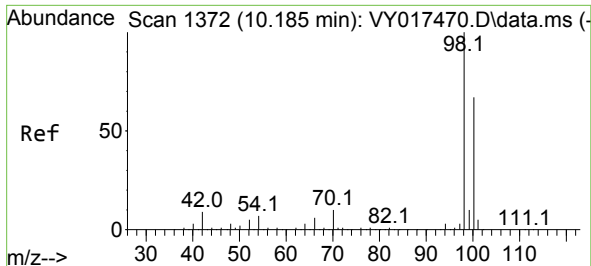
Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.6#

121 0.0 24.0 36.0#

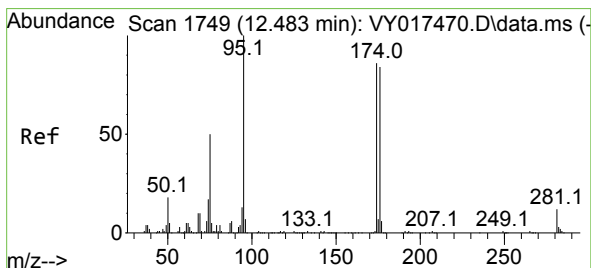
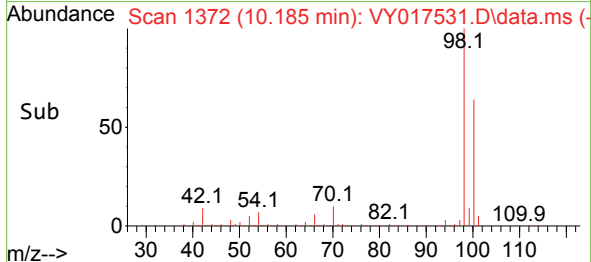
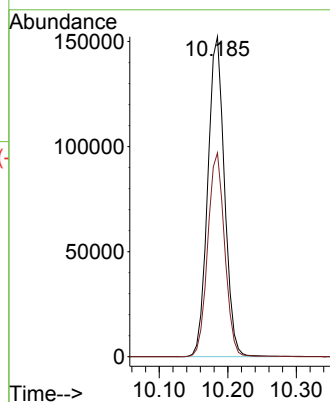
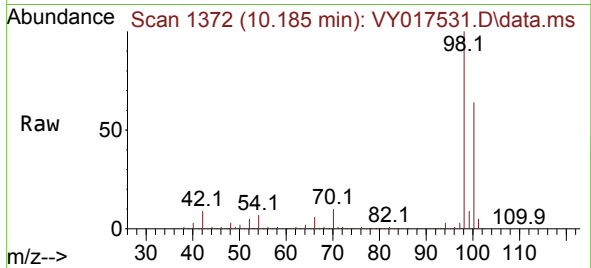




#50
Toluene-d8
Concen: 47.207 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY017531.D
Acq: 29 Feb 2024 16:30

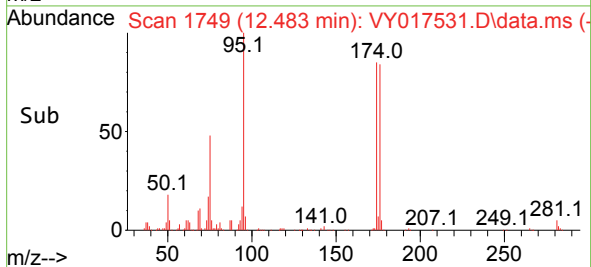
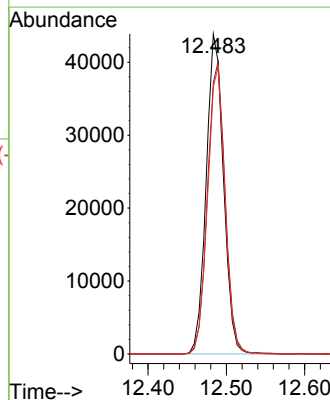
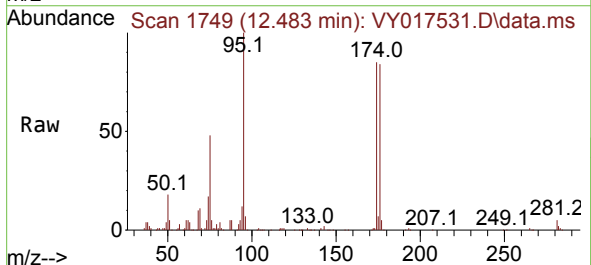
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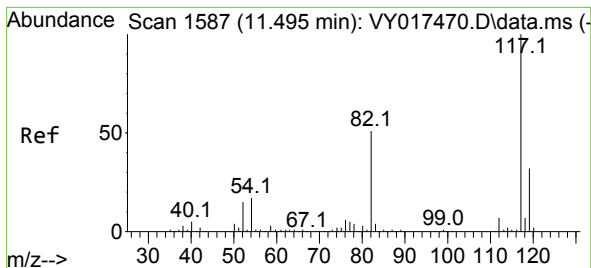
Tgt Ion: 98 Resp: 257908
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 39.146 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY017531.D
Acq: 29 Feb 2024 16:30

Tgt Ion: 95 Resp: 67213
Ion Ratio Lower Upper
95 100
174 93.3 0.0 175.6
176 90.5 0.0 171.4

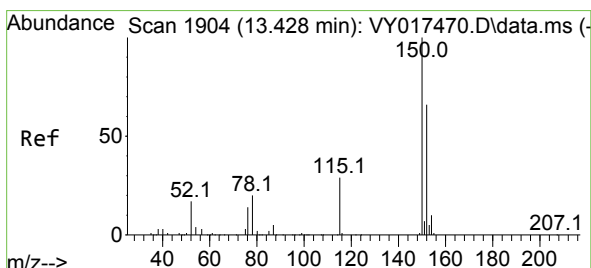
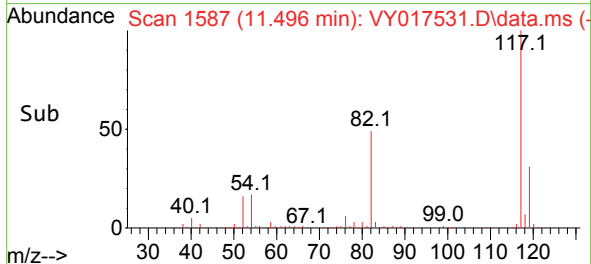
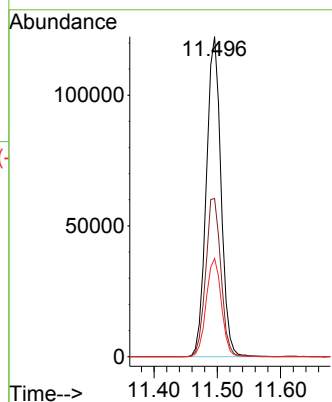
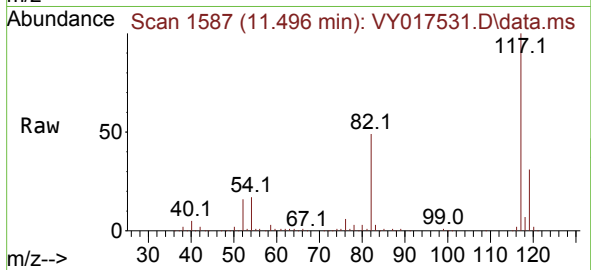




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY017531.D
Acq: 29 Feb 2024 16:30

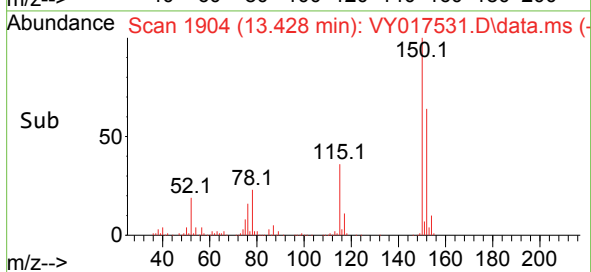
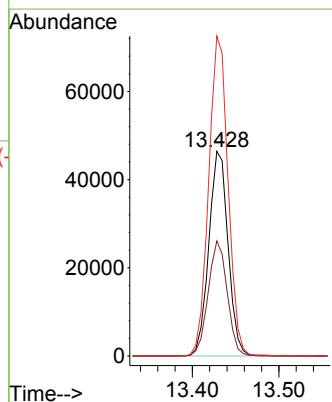
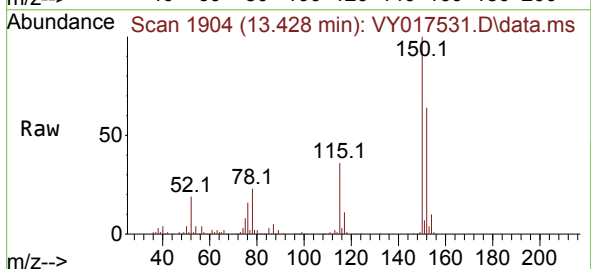
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-022824

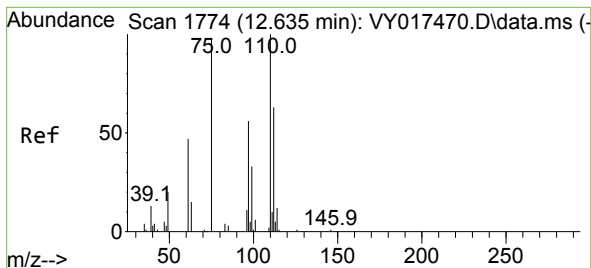
Tgt Ion:117 Resp: 197587
Ion Ratio Lower Upper
117 100
82 49.5 42.4 63.6
119 30.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY017531.D
Acq: 29 Feb 2024 16:30

Tgt Ion:152 Resp: 71571
Ion Ratio Lower Upper
152 100
115 55.6 28.2 84.7
150 157.2 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 49.451 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY017531.D

Acq: 29 Feb 2024 16:30

Instrument :

MSVOA_Y

ClientSampleId :

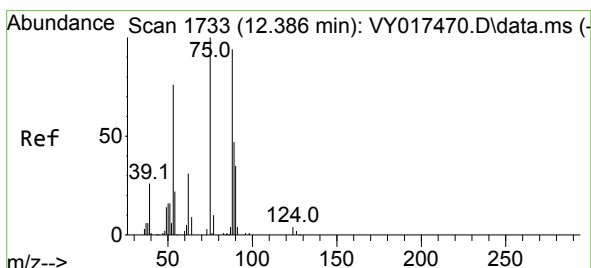
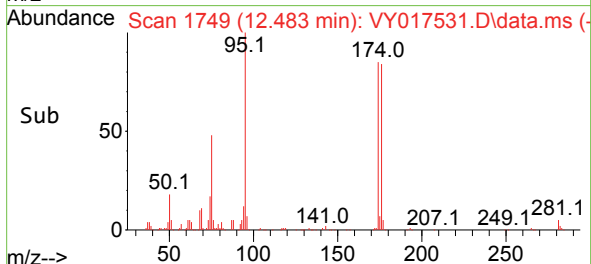
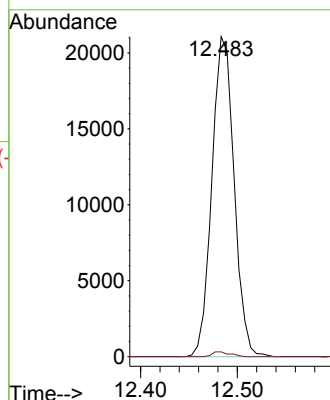
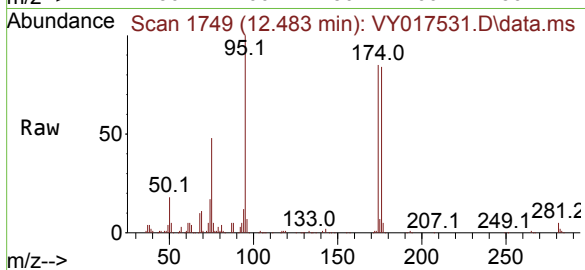
HD-02-022824

Tgt Ion: 75 Resp: 33628

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 113.626 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.098 min

Lab File: VY017531.D

Acq: 29 Feb 2024 16:30

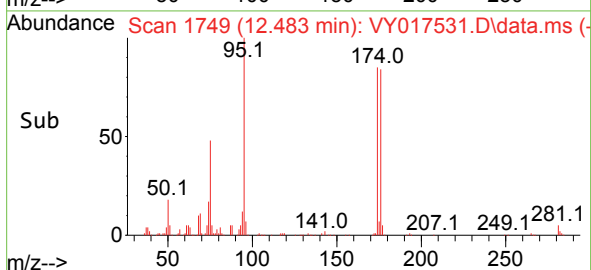
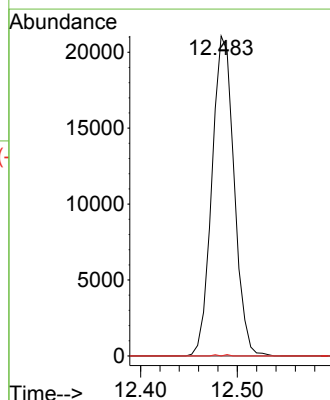
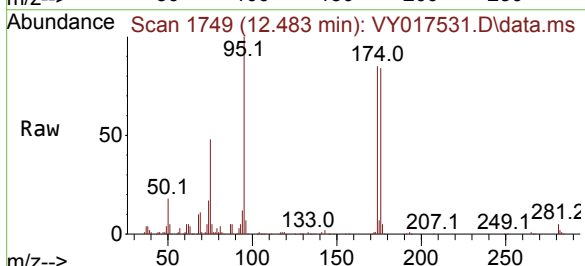
Tgt Ion: 75 Resp: 33628

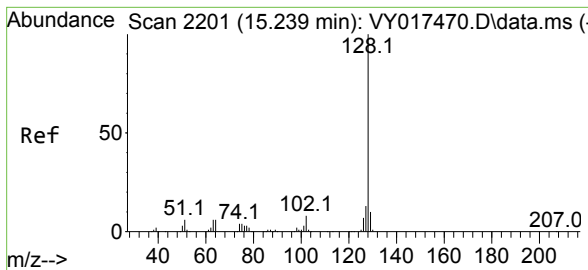
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

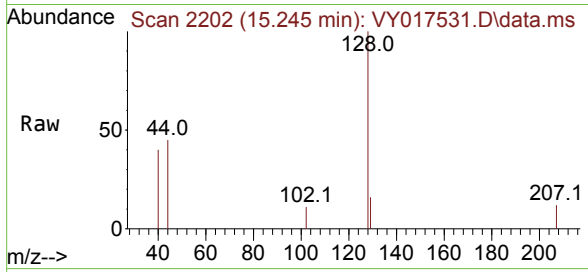
89 0.1 35.8 53.6#





#95
Naphthalene
Concen: 4.466 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY017531.D
Acq: 29 Feb 2024 16:30

Instrument :
MSVOA_Y
ClientSampleId :
HD-02-022824



Tgt Ion:	128	Resp:	1341
Ion	Ratio	Lower	Upper
128	100		
127	5.9	10.6	16.0#
129	5.3	8.6	13.0#

