

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122723\
 Data File : VY016883.D
 Acq On : 27 Dec 2023 17:20
 Operator : SY/MD
 Sample : 06031-01
 Misc : 6.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MR-321-0-2

Quant Time: Dec 28 03:47:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

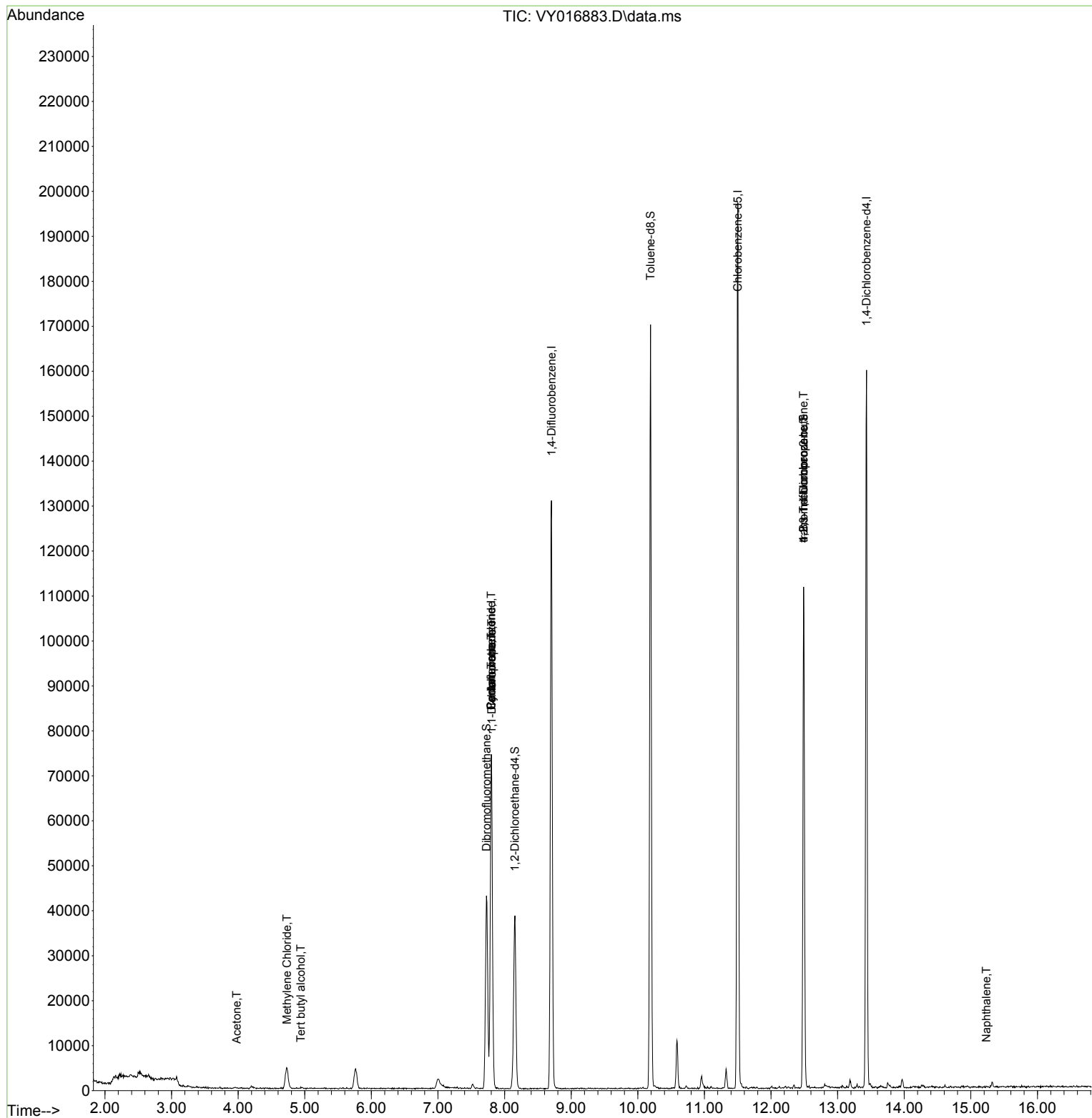
Internal Standards						
1) Pentafluorobenzene	7.801	168	54795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	110063	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	107553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	40087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	29934	59.842	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.680%
35) Dibromofluoromethane	7.728	113	31250	49.566	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.140%
50) Toluene-d8	10.191	98	108051	47.542	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.080%
62) 4-Bromofluorobenzene	12.489	95	33486	45.414	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.820%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	197	4.803	ug/l #	75
16) Acetone	3.979	43	429	3.172	ug/l #	41
20) Methylene Chloride	4.735	84	3552	2.327	ug/l	97
31) Cyclohexane	7.801	56	1334	1.392	ug/l #	1
36) 1,1-Dichloropropene	7.807	75	5169	5.114	ug/l #	49
38) Carbon Tetrachloride	7.801	117	5926	5.925	ug/l #	18
76) 1,2,3-Trichloropropane	12.489	75	18083	40.806	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	18083	95.831	ug/l #	13
95) Naphthalene	15.233	128	206	3.742	ug/l #	69

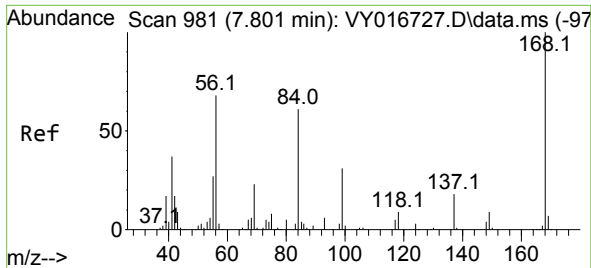
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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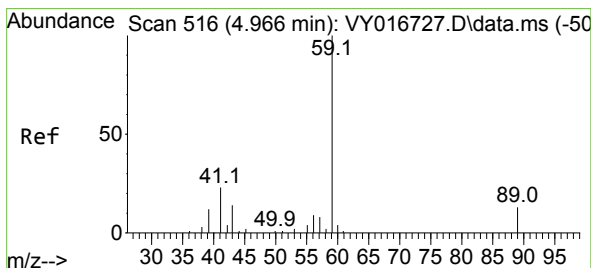
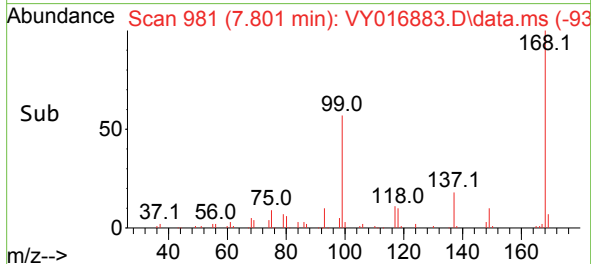
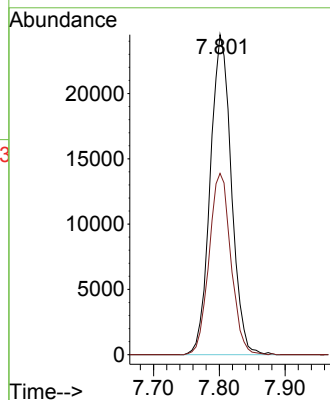
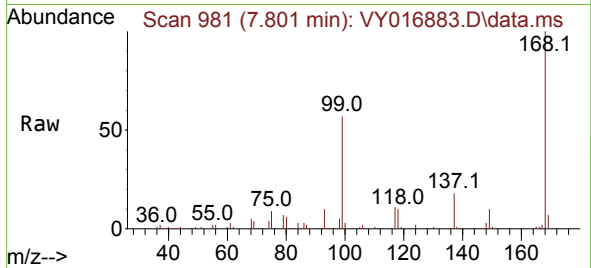




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016883.D
Acq: 27 Dec 2023 17:20

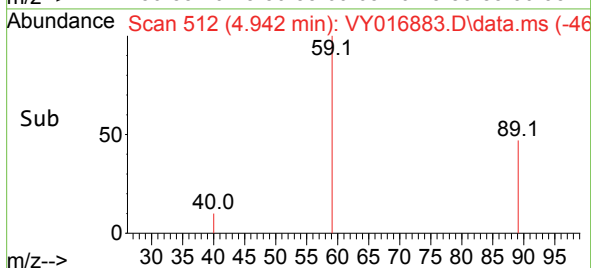
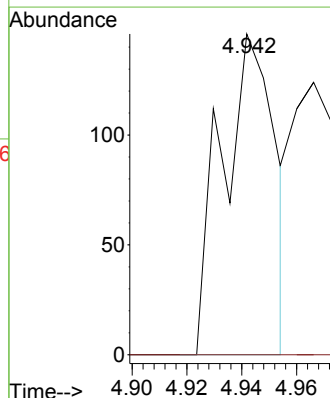
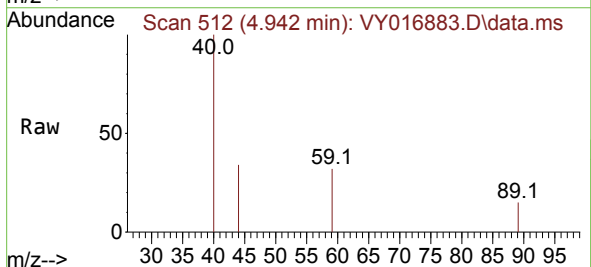
Instrument :
MSVOA_Y
ClientSampleId :
MR-321-0-2

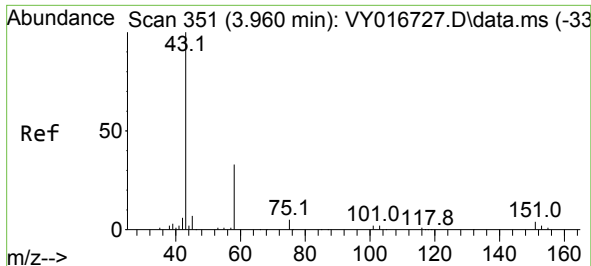
Tgt Ion:168 Resp: 54795
Ion Ratio Lower Upper
168 100
99 56.7 44.2 66.4



#11
Tert butyl alcohol
Concen: 4.803 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.024 min
Lab File: VY016883.D
Acq: 27 Dec 2023 17:20

Tgt Ion: 59 Resp: 197
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 3.172 ug/l

RT: 3.979 min Scan# 3

Delta R.T. 0.019 min

Lab File: VY016883.D

Acq: 27 Dec 2023 17:20

Instrument :

MSVOA_Y

ClientSampleId :

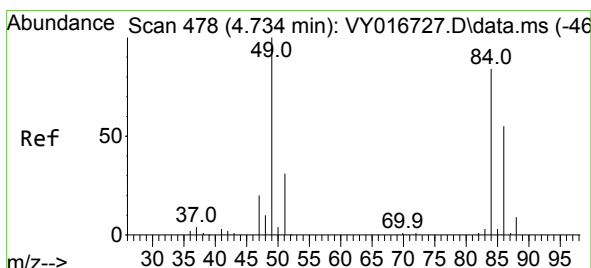
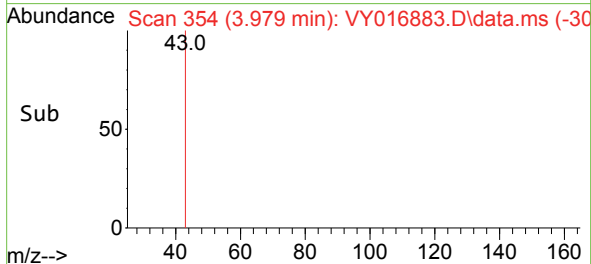
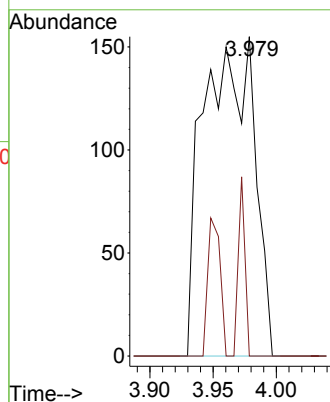
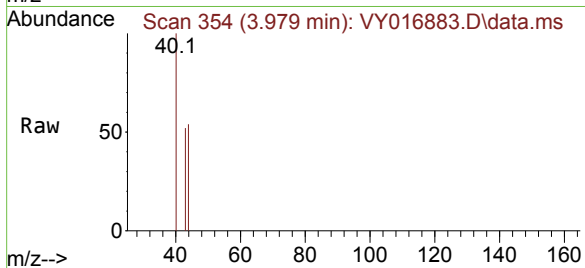
MR-321-0-2

Tgt Ion: 43 Resp: 429

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#20

Methylene Chloride

Concen: 2.327 ug/l

RT: 4.735 min Scan# 478

Delta R.T. 0.001 min

Lab File: VY016883.D

Acq: 27 Dec 2023 17:20

Tgt Ion: 84 Resp: 3552

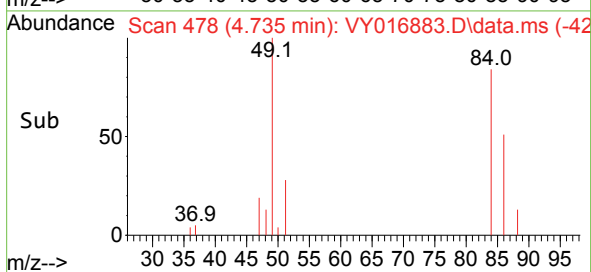
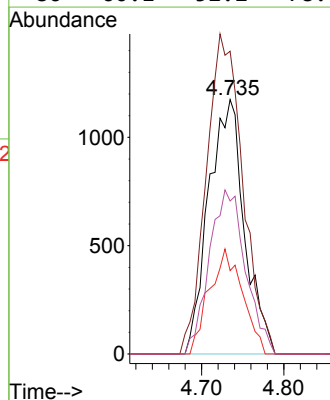
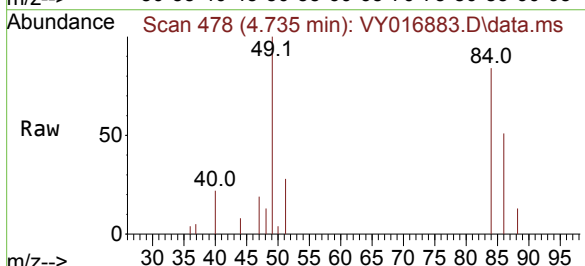
Ion Ratio Lower Upper

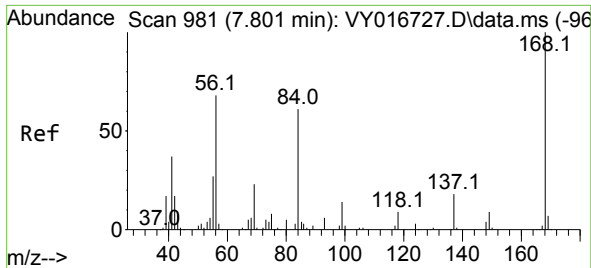
84 100

49 119.0 95.2 142.8

51 32.8 29.9 44.9

86 60.1 52.2 78.4

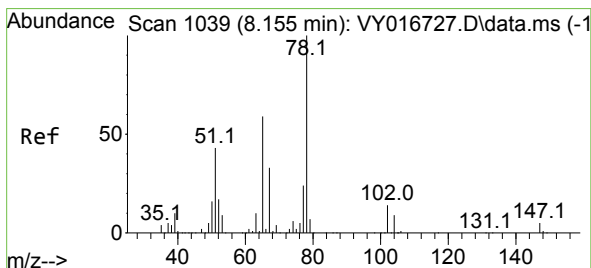
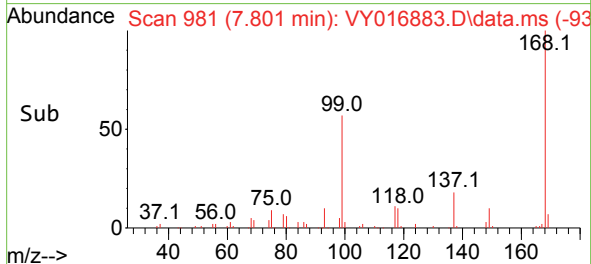
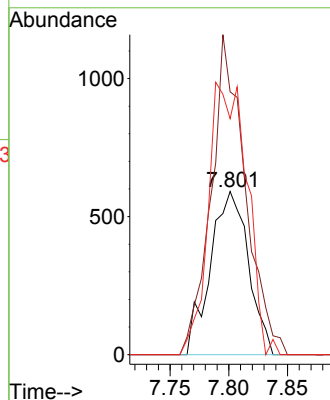
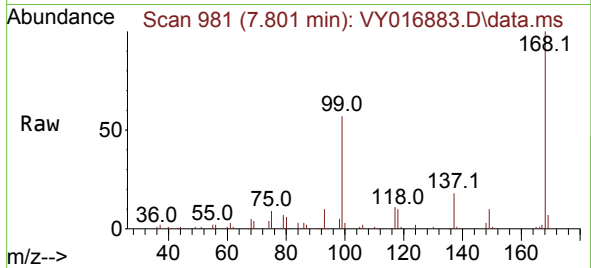




#31
Cyclohexane
Concen: 1.392 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016883.D
Acq: 27 Dec 2023 17:20

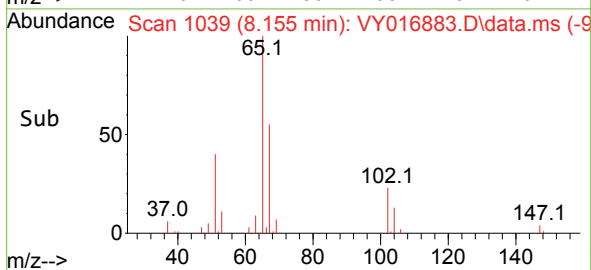
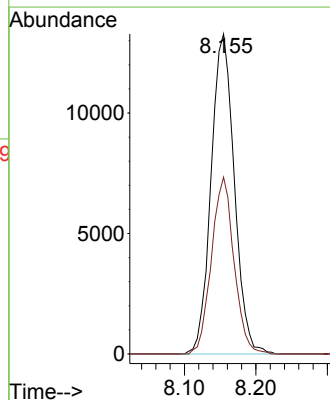
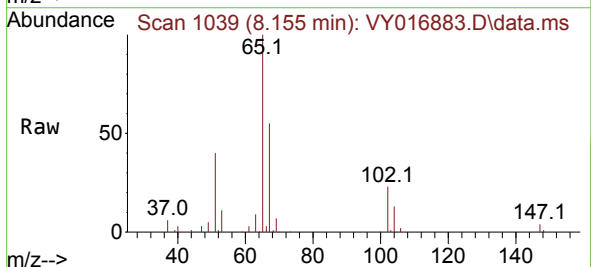
Instrument :
MSVOA_Y
ClientSampleId :
MR-321-0-2

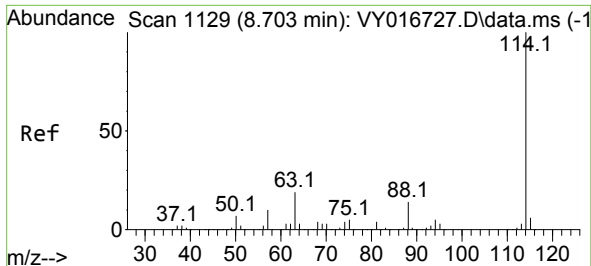
Tgt Ion: 56 Resp: 1334
Ion Ratio Lower Upper
56 100
69 161.1 27.0 40.6#
84 144.7 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 59.842 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY016883.D
Acq: 27 Dec 2023 17:20

Tgt Ion: 65 Resp: 29934
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY016883.D

Acq: 27 Dec 2023 17:20

Instrument :

MSVOA_Y

ClientSampleId :

MR-321-0-2

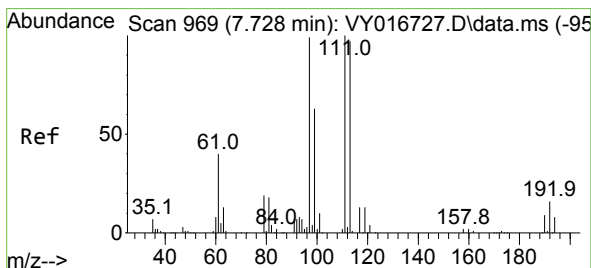
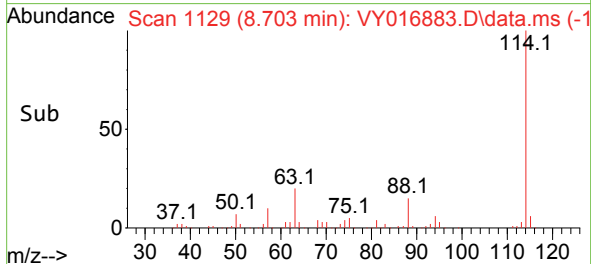
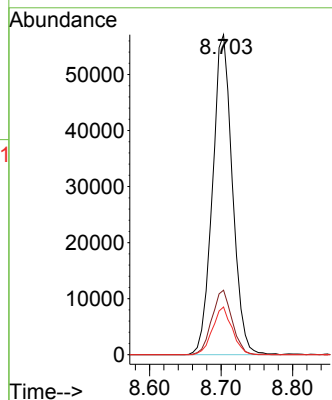
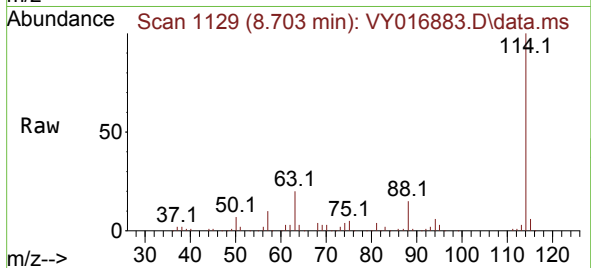
Tgt Ion:114 Resp: 110063

Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

88 14.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 49.566 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY016883.D

Acq: 27 Dec 2023 17:20

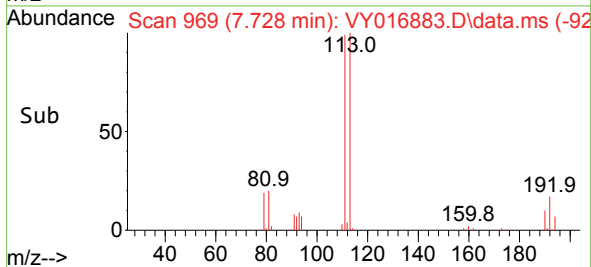
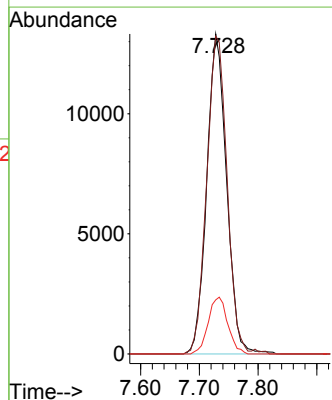
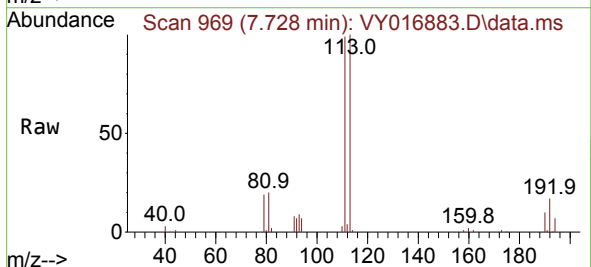
Tgt Ion:113 Resp: 31250

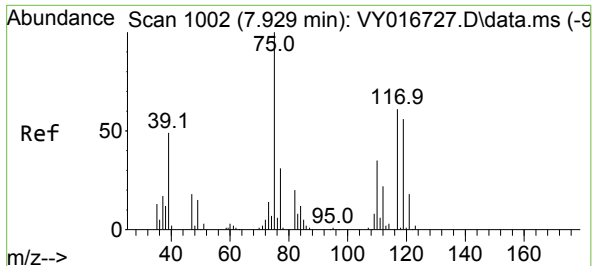
Ion Ratio Lower Upper

113 100

111 101.5 83.8 125.6

192 17.5 14.5 21.7

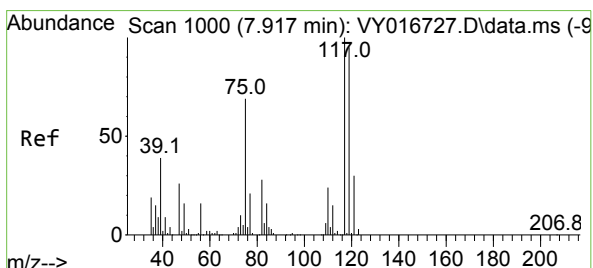
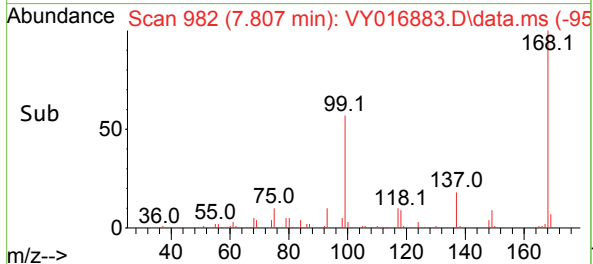
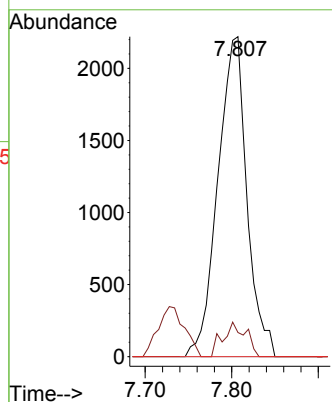
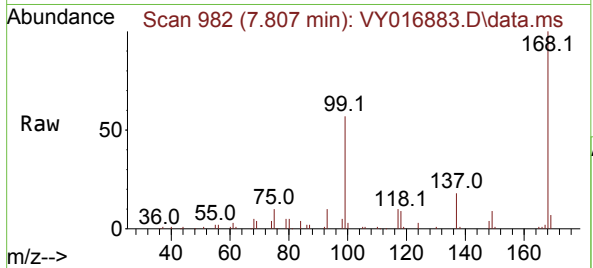




#36
 1,1-Dichloropropene
 Concen: 5.114 ug/l
 RT: 7.807 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY016883.D
 Acq: 27 Dec 2023 17:20

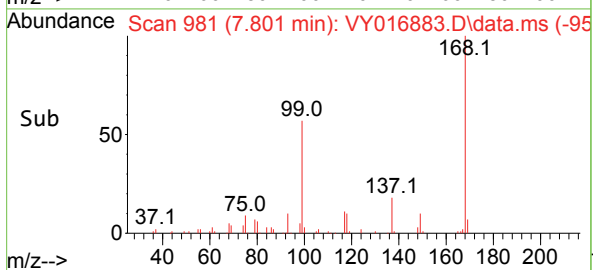
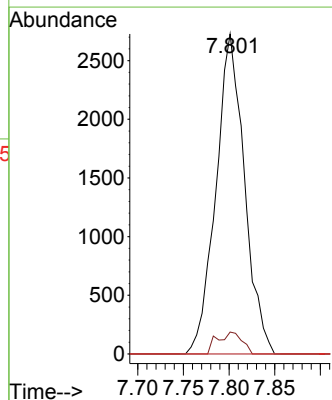
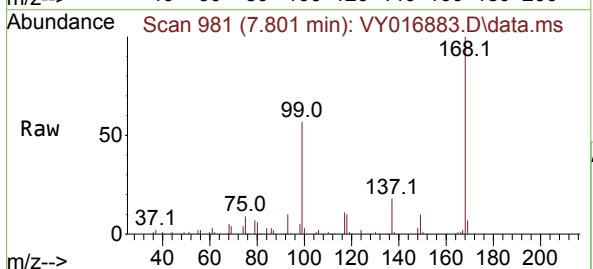
Instrument :
 MSVOA_Y
 ClientSampleId :
 MR-321-0-2

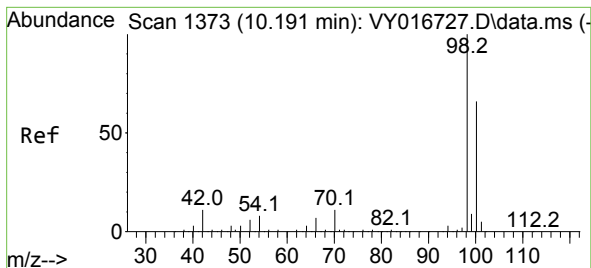
Tgt Ion: 75 Resp: 5169
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.4 52.3#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.925 ug/l
 RT: 7.801 min Scan# 981
 Delta R.T. -0.116 min
 Lab File: VY016883.D
 Acq: 27 Dec 2023 17:20

Tgt Ion: 117 Resp: 5926
 Ion Ratio Lower Upper
 117 100
 119 6.8 76.0 114.0#
 121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 47.542 ug/l

RT: 10.191 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY016883.D

Acq: 27 Dec 2023 17:20

Instrument :

MSVOA_Y

ClientSampleId :

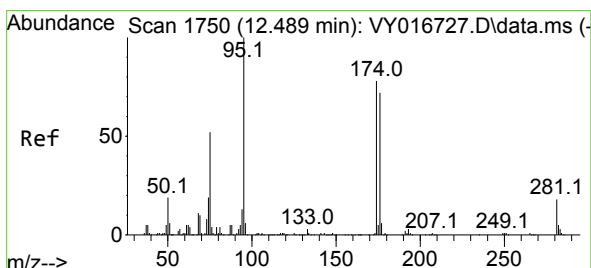
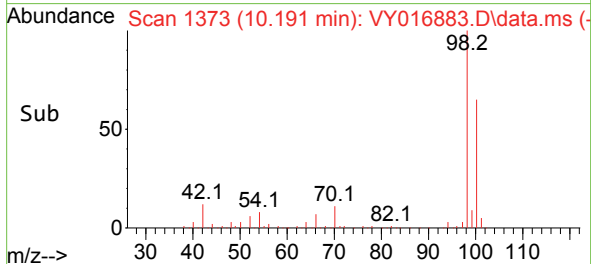
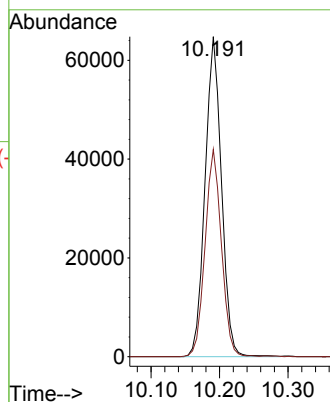
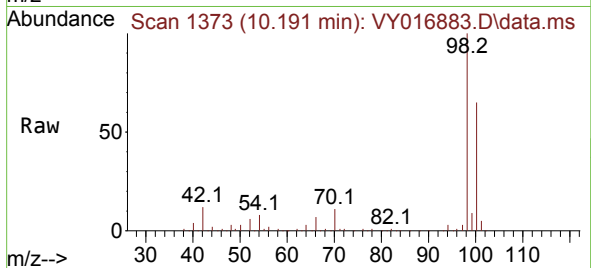
MR-321-0-2

Tgt Ion: 98 Resp: 108051

Ion Ratio Lower Upper

98 100

100 64.5 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 45.414 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VY016883.D

Acq: 27 Dec 2023 17:20

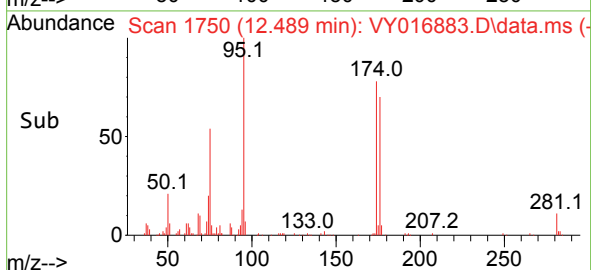
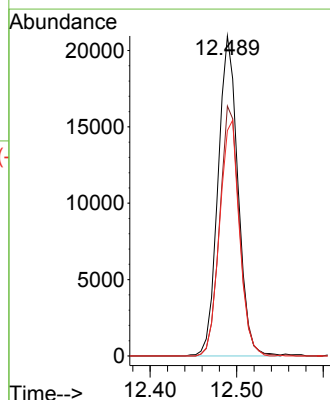
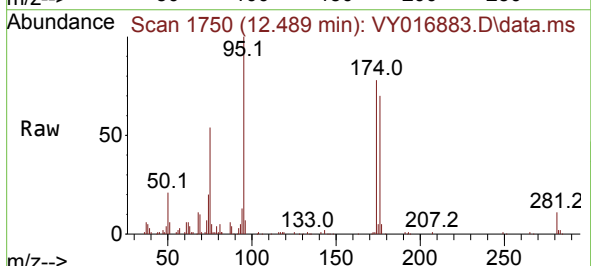
Tgt Ion: 95 Resp: 33486

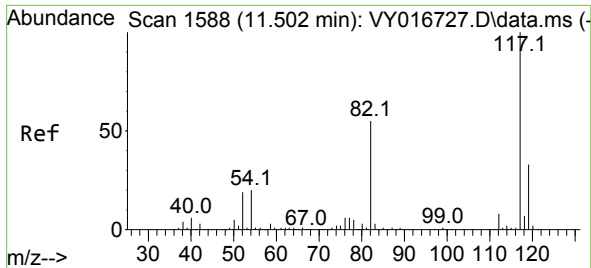
Ion Ratio Lower Upper

95 100

174 77.0 0.0 160.0

176 73.4 0.0 151.8

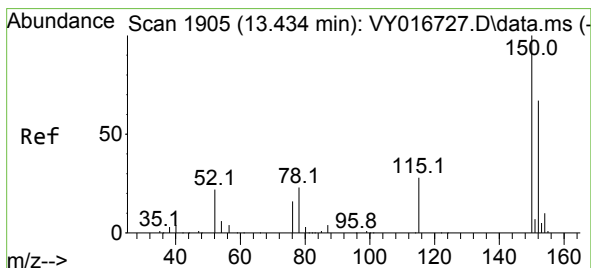
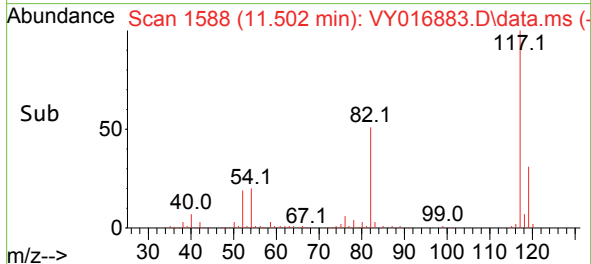
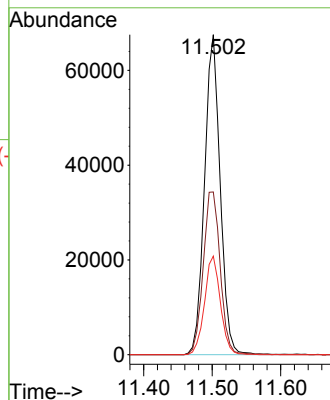
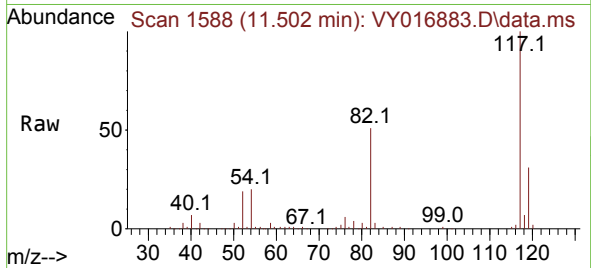




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY016883.D
Acq: 27 Dec 2023 17:20

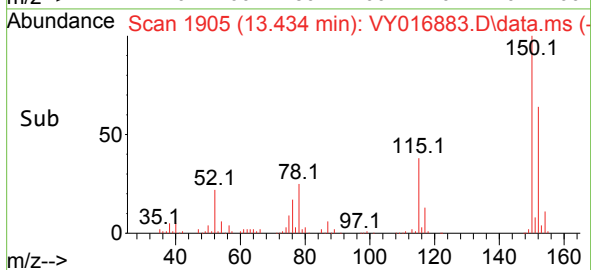
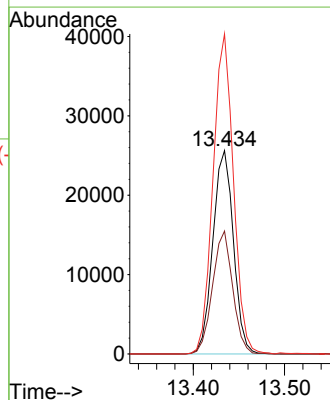
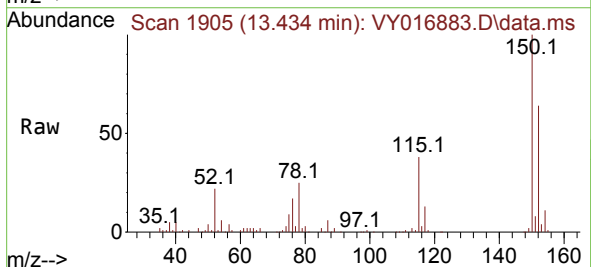
Instrument :
MSVOA_Y
ClientSampleId :
MR-321-0-2

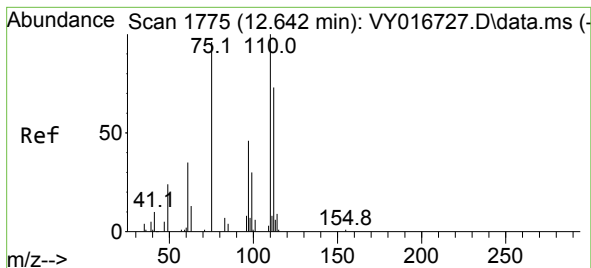
Tgt Ion:117 Resp: 107553
Ion Ratio Lower Upper
117 100
82 50.8 43.8 65.8
119 30.8 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY016883.D
Acq: 27 Dec 2023 17:20

Tgt Ion:152 Resp: 40087
Ion Ratio Lower Upper
152 100
115 59.2 30.0 90.0
150 155.9 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 40.806 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY016883.D

Acq: 27 Dec 2023 17:20

Instrument :

MSVOA_Y

ClientSampleId :

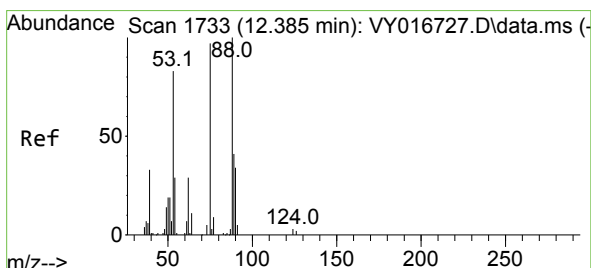
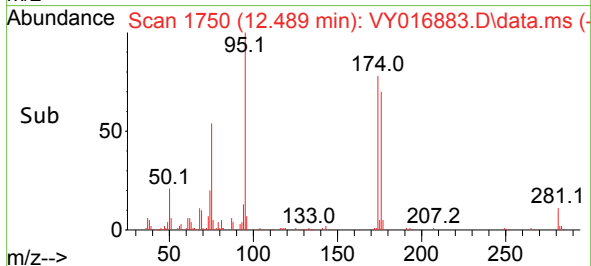
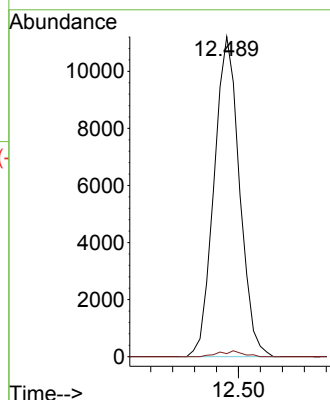
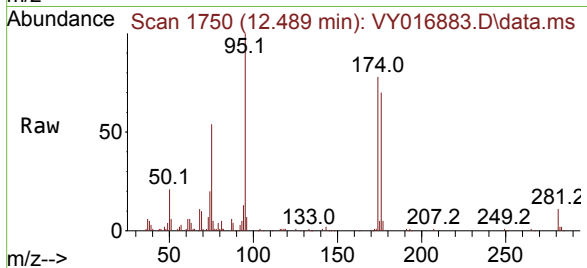
MR-321-0-2

Tgt Ion: 75 Resp: 18083

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.831 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.104 min

Lab File: VY016883.D

Acq: 27 Dec 2023 17:20

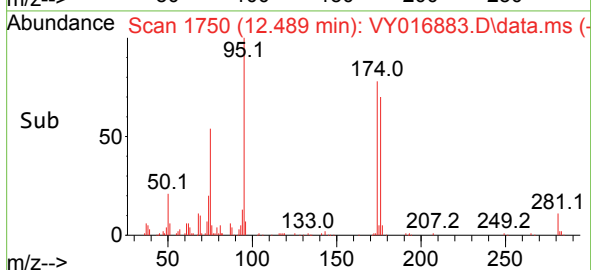
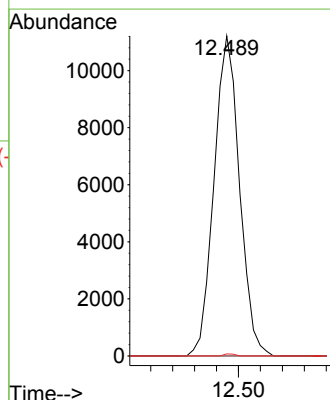
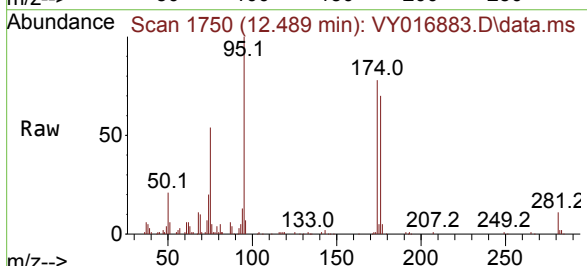
Tgt Ion: 75 Resp: 18083

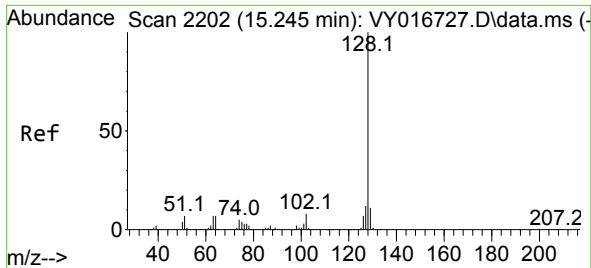
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.3 36.5 54.7#





#95

Naphthalene

Concen: 3.742 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.012 min

Lab File: VY016883.D

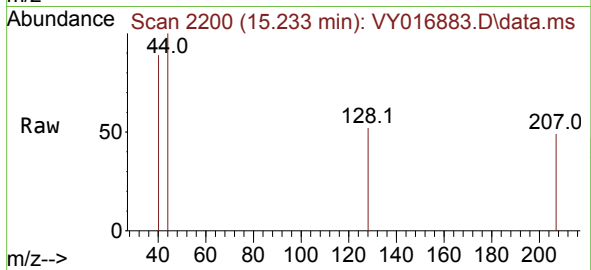
Acq: 27 Dec 2023 17:20

Instrument :

MSVOA_Y

ClientSampleId :

MR-321-0-2



Tgt Ion:128 Resp: 206

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.6 12.8#

