

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042023\
 Data File : VY013367.D
 Acq On : 20 Apr 2023 14:50
 Operator : KP/MD
 Sample : 02371-03
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-23-5.0-5.5

Quant Time: Apr 21 02:14:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

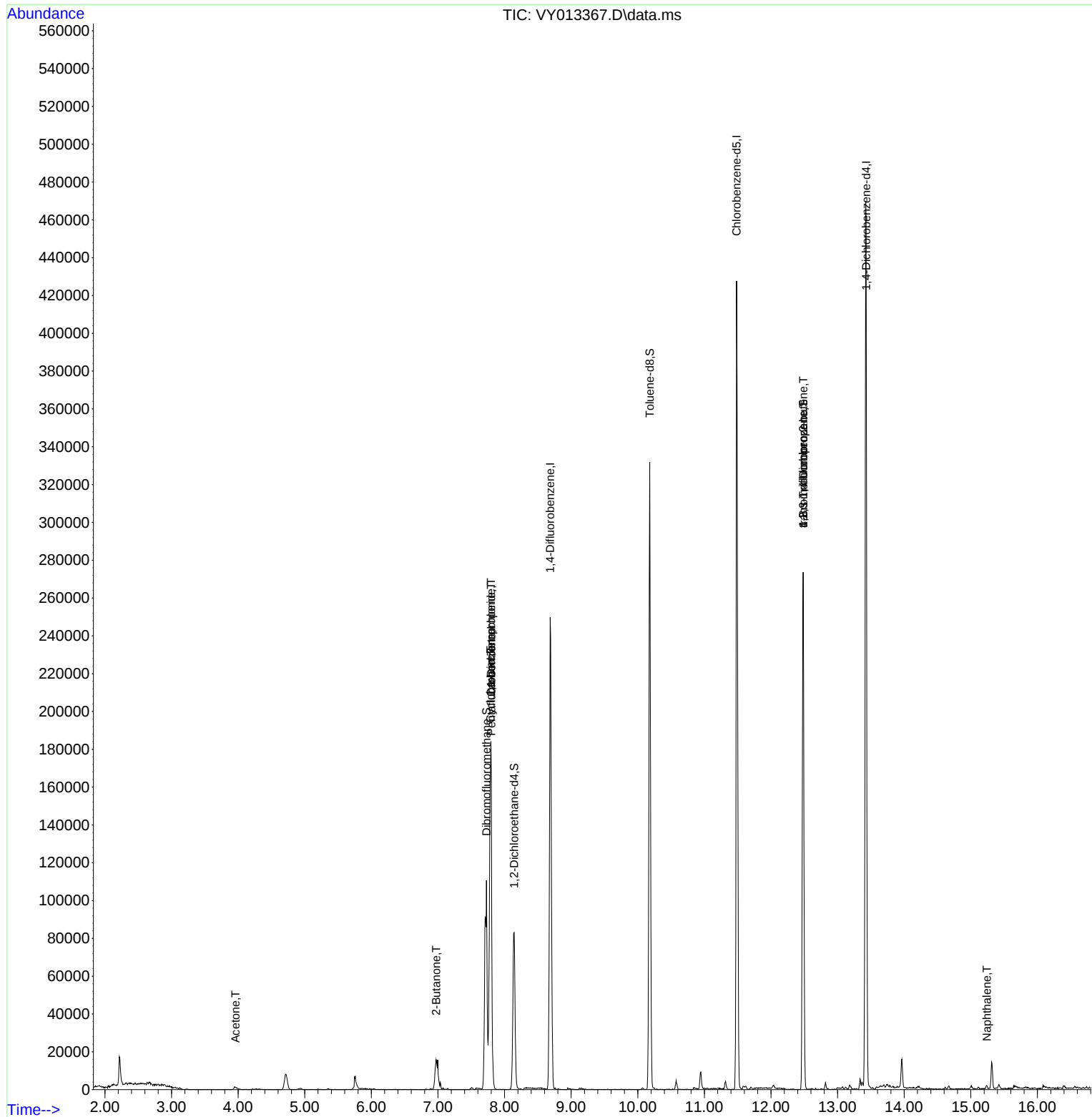
Internal Standards						
1) Pentafluorobenzene	7.801	168	147983	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.685	114	207450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	219361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	128786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	77434	43.541	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.080%		
35) Dibromofluoromethane	7.728	113	72341	53.865	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	107.720%		
50) Toluene-d8	10.179	98	200023	40.013	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	80.020%		
62) 4-Bromofluorobenzene	12.483	95	66790	41.121	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	82.240%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.033	59	44	Below Cal	#	74
16) Acetone	3.960	43	3371	5.513	ug/l	96
20) Methylene Chloride	4.710	84	6288	Below Cal	#	85
25) 2-Butanone	6.972	43	1214	1.551	ug/l	# 49
31) Cyclohexane	7.789	56	2951	1.097	ug/l	# 19
36) 1,1-Dichloropropene	7.795	75	10193	5.010	ug/l	# 52
38) Carbon Tetrachloride	7.795	117	14380	6.392	ug/l	# 15
76) 1,2,3-Trichloropropane	12.483	75	42036	26.194	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	42036	54.366	ug/l	# 13
95) Naphthalene	15.239	128	2150	3.561	ug/l	# 88

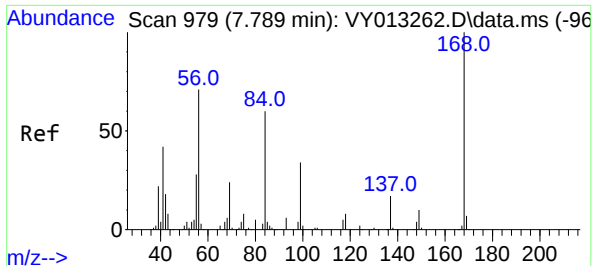
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-23-5.0-5.5

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 05:55:16 2023
Response via : Initial Calibration

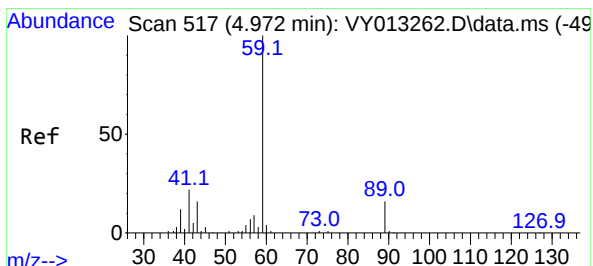
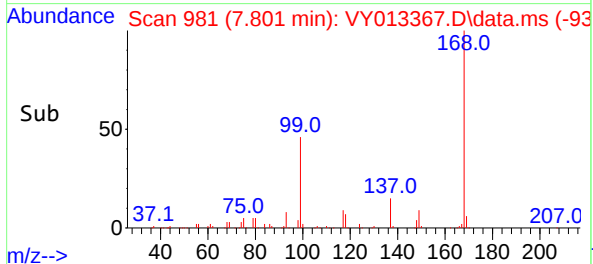
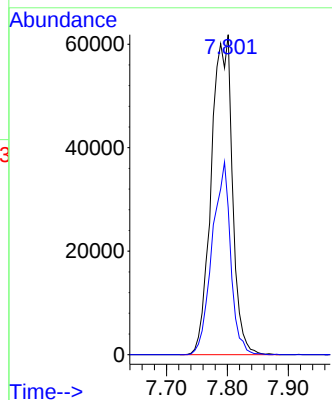
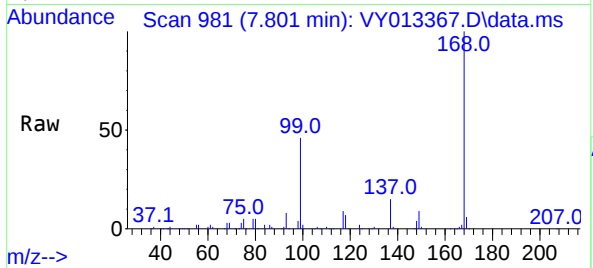




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY013367.D
Acq: 20 Apr 2023 14:50

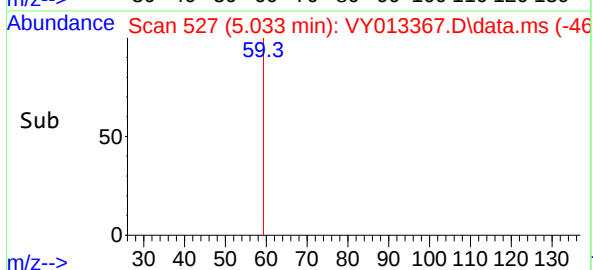
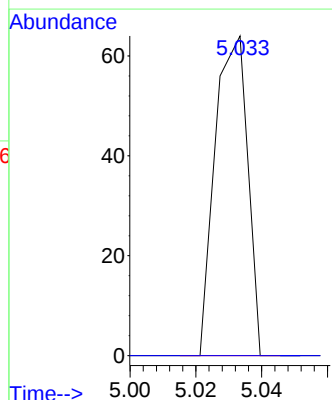
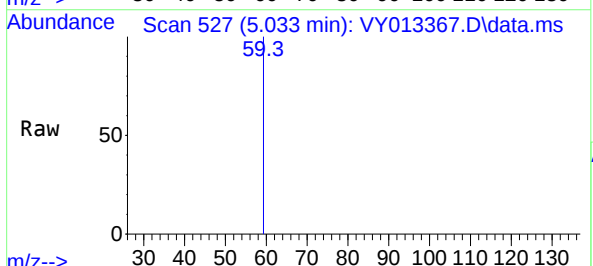
Instrument :
MSVOA_Y
ClientSampleId :
SB-23-5.0-5.5

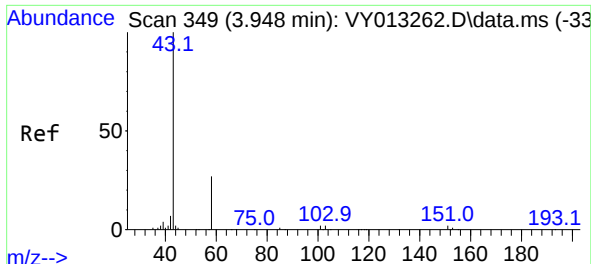
Tgt Ion:168 Resp: 147983
Ion Ratio Lower Upper
168 100
99 45.9 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.033 min Scan# 527
Delta R.T. 0.061 min
Lab File: VY013367.D
Acq: 20 Apr 2023 14:50

Tgt Ion: 59 Resp: 44
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

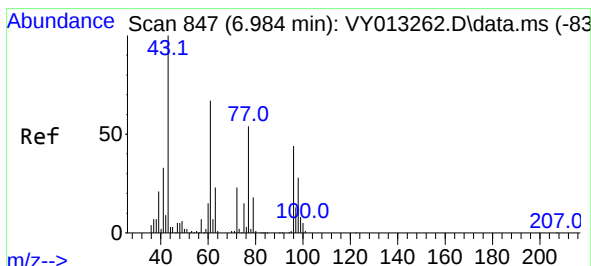
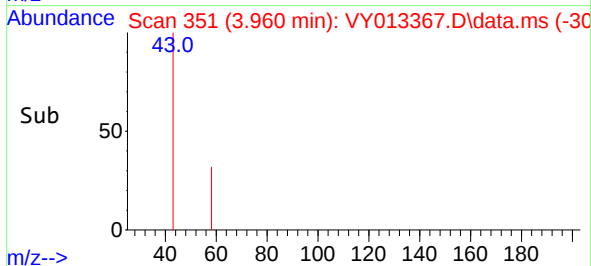
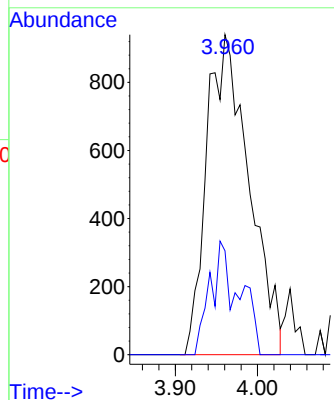
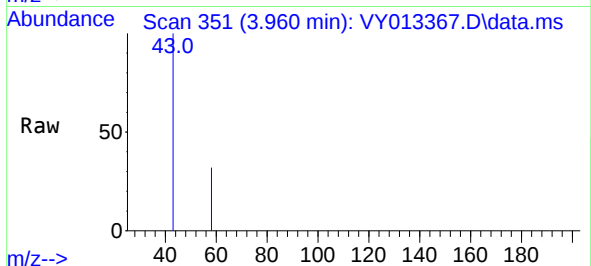




#16
Acetone
Concen: 5.513 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY013367.D
Acq: 20 Apr 2023 14:50

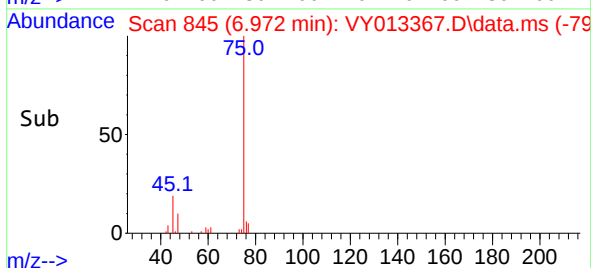
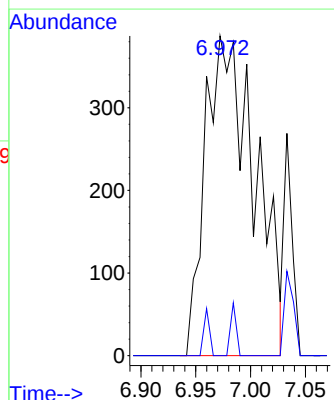
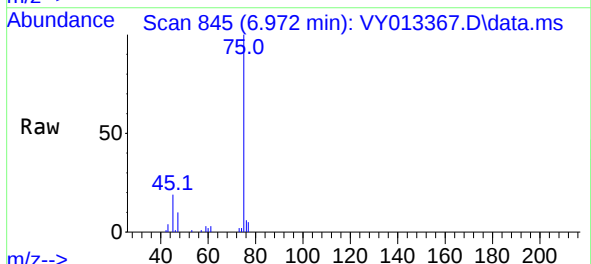
Instrument :
MSVOA_Y
ClientSampleId :
SB-23-5.0-5.5

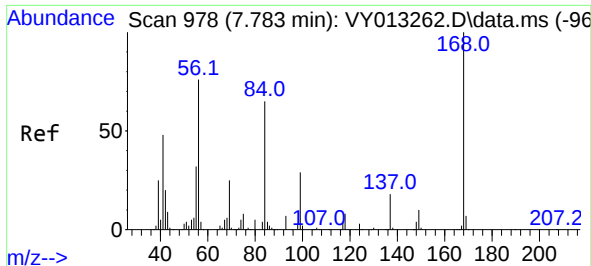
Tgt Ion: 43 Resp: 3371
Ion Ratio Lower Upper
43 100
58 32.4 24.2 36.2



#25
2-Butanone
Concen: 1.551 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY013367.D
Acq: 20 Apr 2023 14:50

Tgt Ion: 43 Resp: 1214
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#

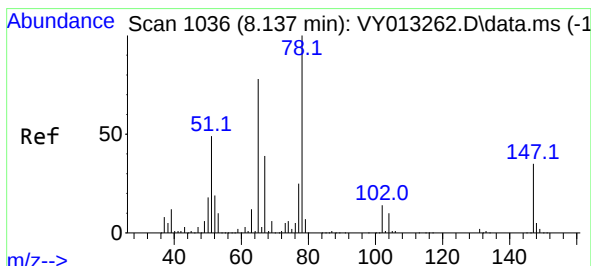
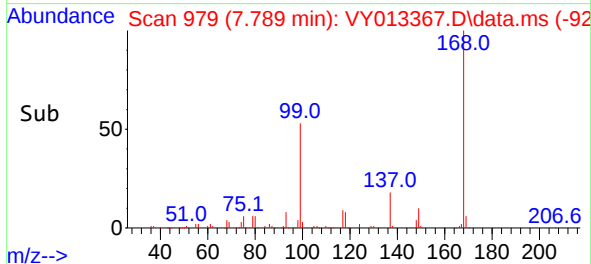
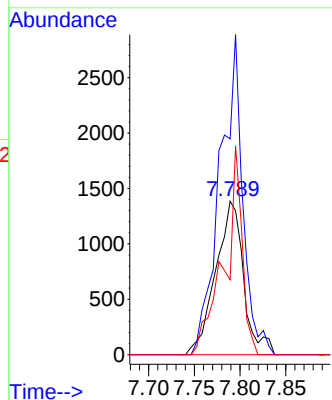
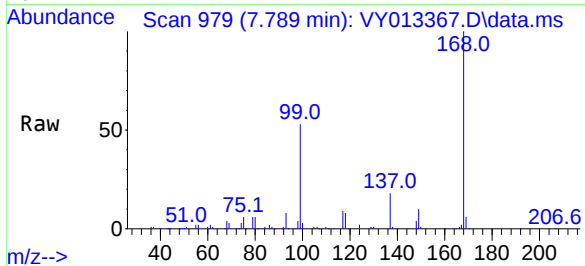




#31
Cyclohexane
Concen: 1.097 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013367.D
Acq: 20 Apr 2023 14:50

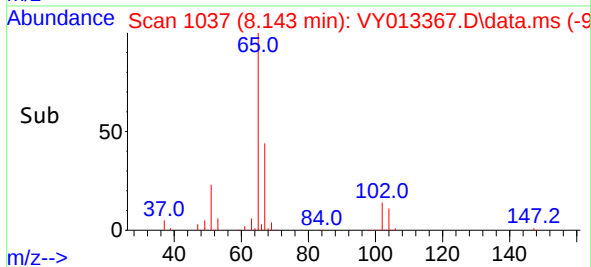
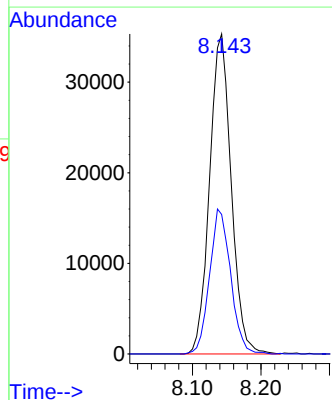
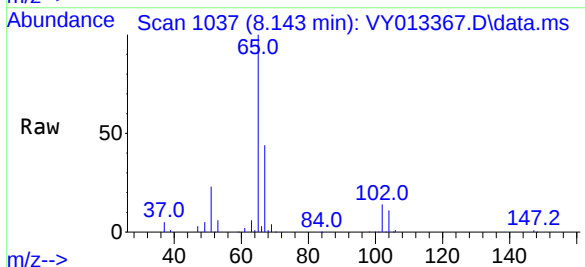
Instrument :
MSVOA_Y
ClientSampleId :
SB-23-5.0-5.5

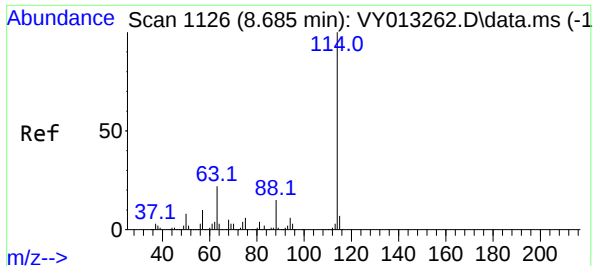
Tgt Ion: 56 Resp: 2951
Ion Ratio Lower Upper
56 100
69 140.6 25.7 38.5#
84 48.8 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 43.541 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013367.D
Acq: 20 Apr 2023 14:50

Tgt Ion: 65 Resp: 77434
Ion Ratio Lower Upper
65 100
67 44.2 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY013367.D

Acq: 20 Apr 2023 14:50

Instrument :

MSVOA_Y

ClientSampleId :

SB-23-5.0-5.5

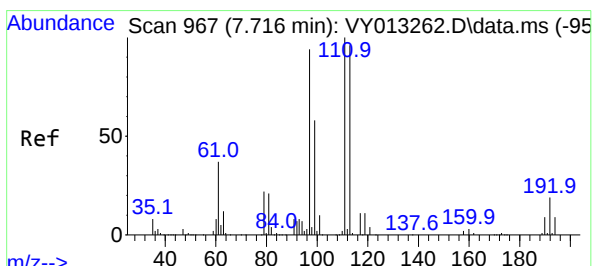
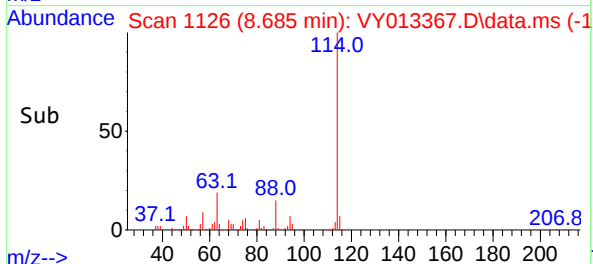
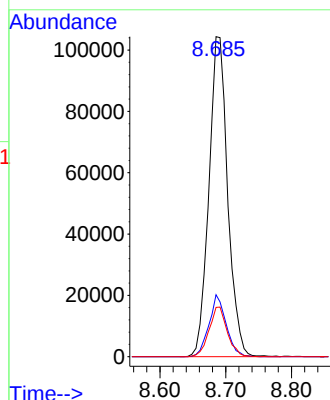
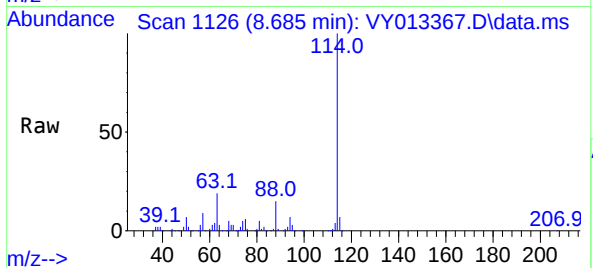
Tgt Ion:114 Resp: 207450

Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.4

88 15.4 0.0 28.6



#35

Dibromofluoromethane

Concen: 53.865 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY013367.D

Acq: 20 Apr 2023 14:50

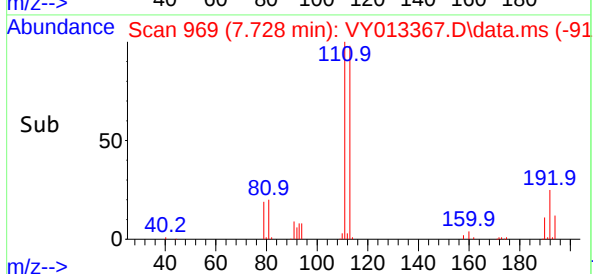
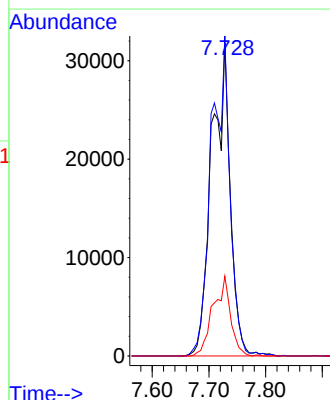
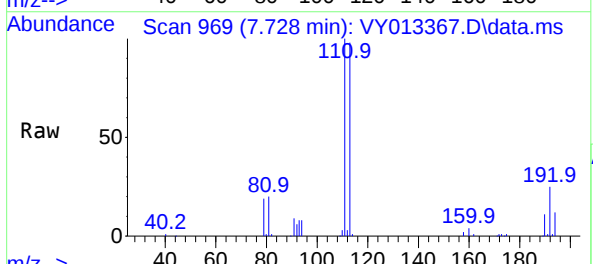
Tgt Ion:113 Resp: 72341

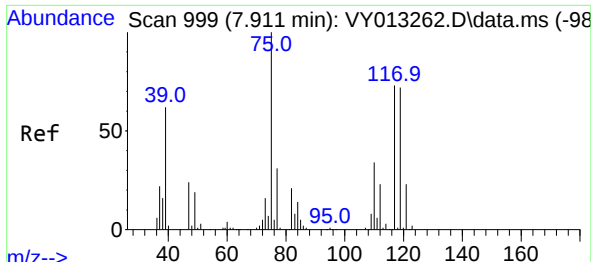
Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.2

192 23.8 16.8 25.2

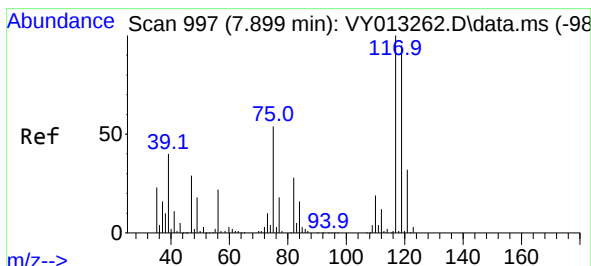
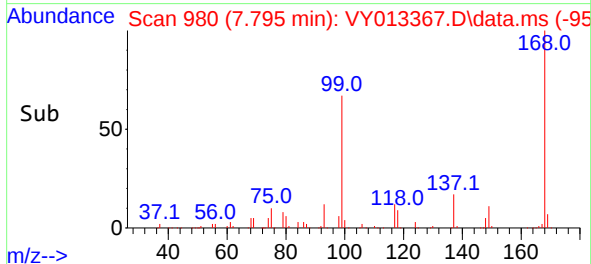
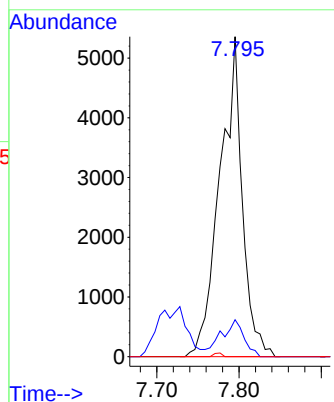
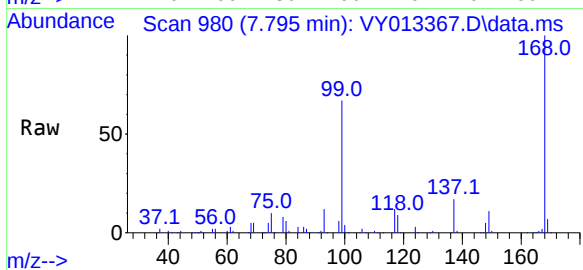




#36
1,1-Dichloropropene
Concen: 5.010 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013367.D
Acq: 20 Apr 2023 14:50

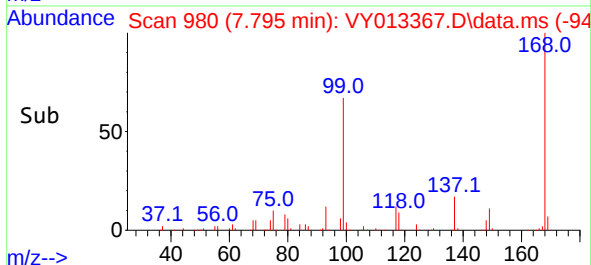
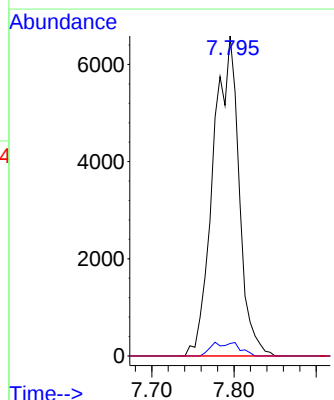
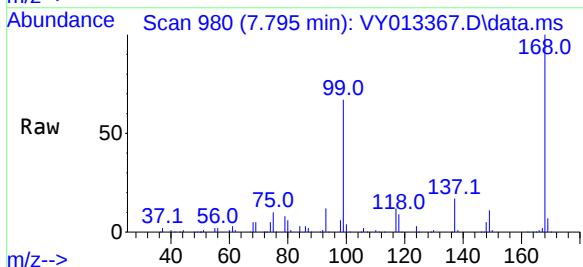
Instrument :
MSVOA_Y
ClientSampleId :
SB-23-5.0-5.5

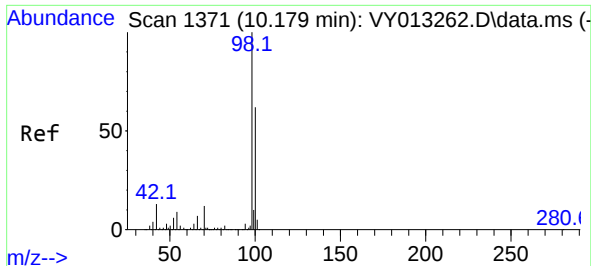
Tgt Ion: 75 Resp: 10193
Ion Ratio Lower Upper
75 100
110 11.7 17.8 53.3#
77 0.4 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.392 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.104 min
Lab File: VY013367.D
Acq: 20 Apr 2023 14:50

Tgt Ion: 117 Resp: 14380
Ion Ratio Lower Upper
117 100
119 3.9 77.2 115.8#
121 0.0 24.7 37.1#

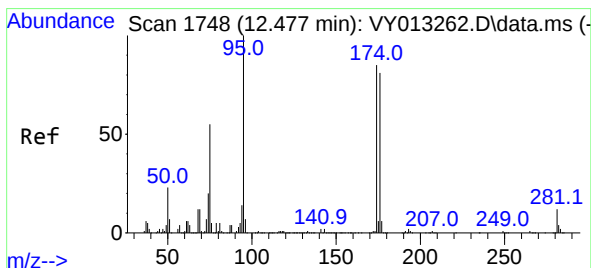
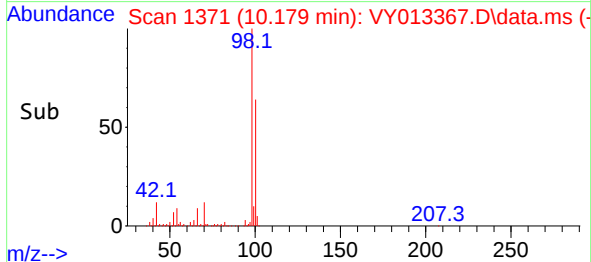
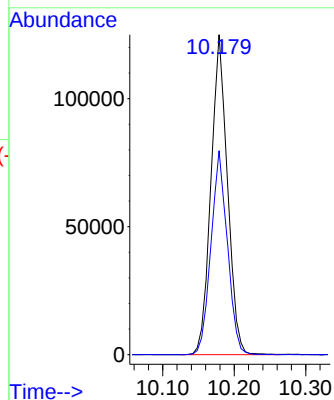
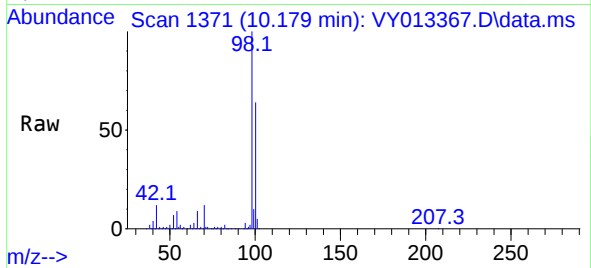




#50
Toluene-d8
Concen: 40.013 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013367.D
Acq: 20 Apr 2023 14:50

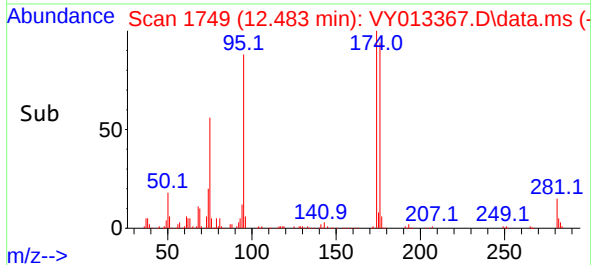
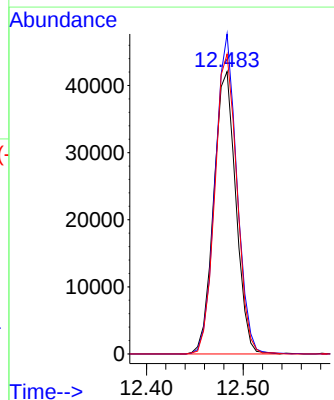
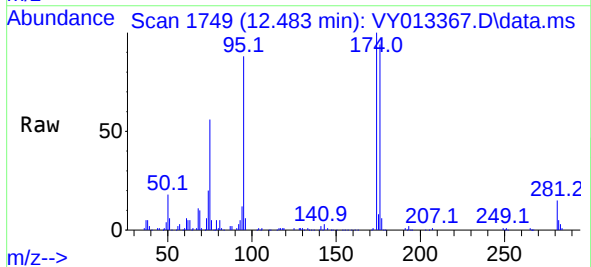
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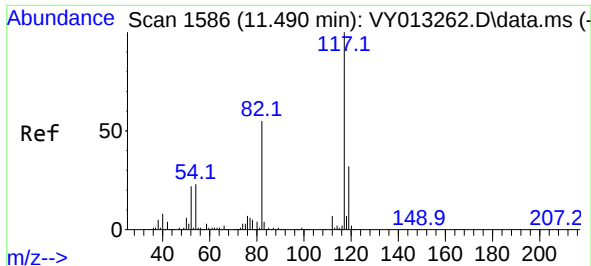
Tgt Ion: 98 Resp: 200023
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 41.121 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013367.D
Acq: 20 Apr 2023 14:50

Tgt Ion: 95 Resp: 66790
Ion Ratio Lower Upper
95 100
174 110.8 0.0 176.6
176 105.8 0.0 170.2

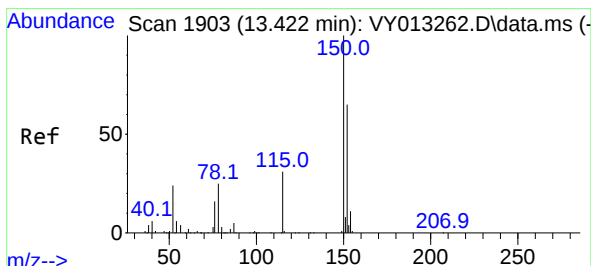
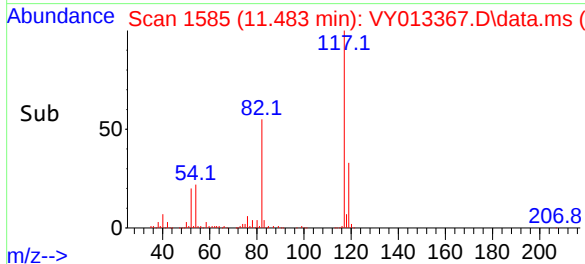
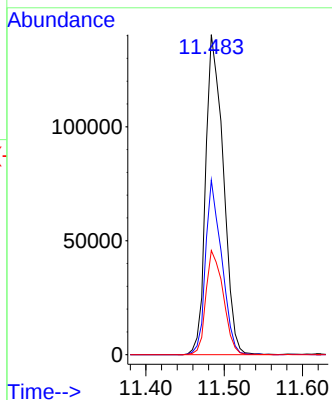
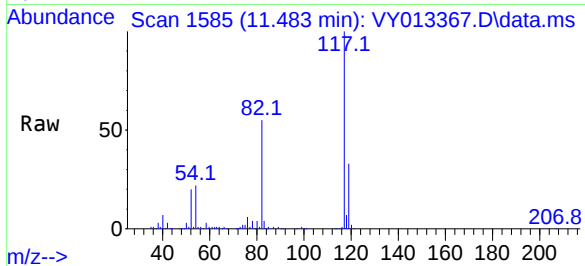




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013367.D
Acq: 20 Apr 2023 14:50

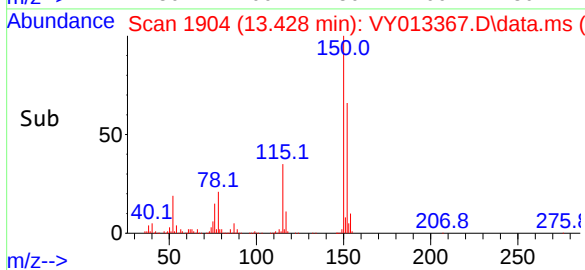
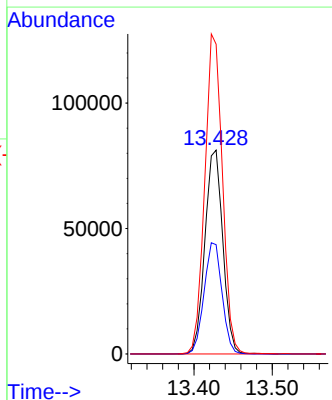
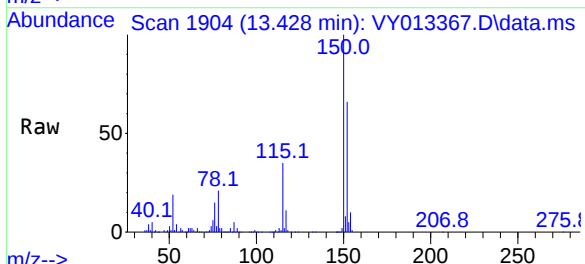
Instrument :
MSVOA_Y
ClientSampleId :
SB-23-5.0-5.5

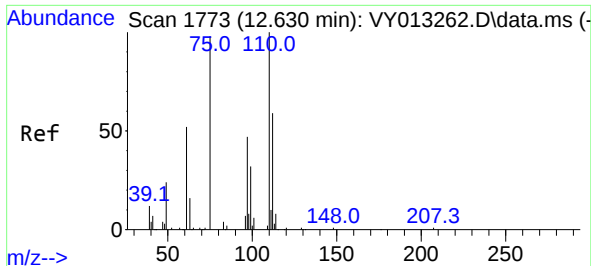
Tgt Ion:117 Resp: 219361
Ion Ratio Lower Upper
117 100
82 54.5 45.4 68.0
119 32.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013367.D
Acq: 20 Apr 2023 14:50

Tgt Ion:152 Resp: 128786
Ion Ratio Lower Upper
152 100
115 54.7 27.1 81.3
150 154.8 0.0 347.8

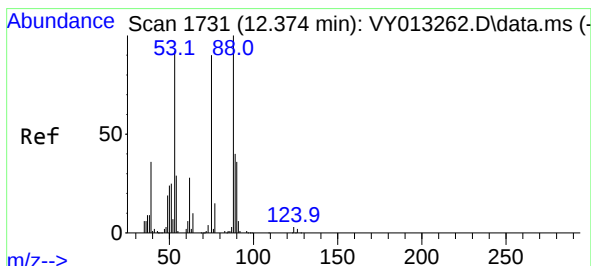
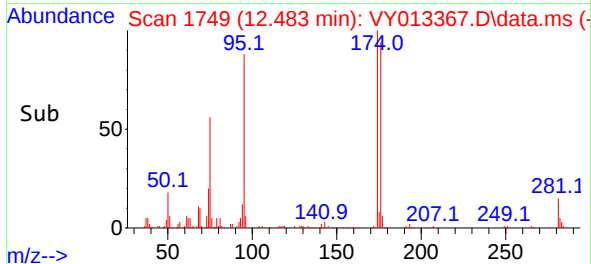
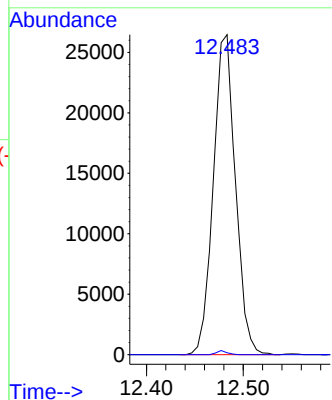
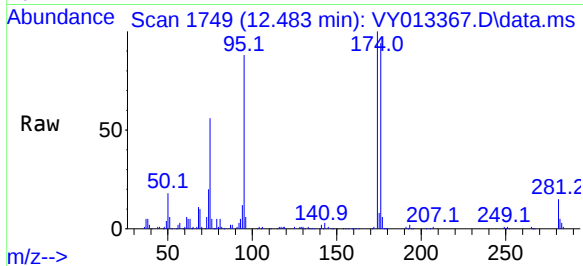




#76
1,2,3-Trichloropropane
Concen: 26.194 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013367.D
Acq: 20 Apr 2023 14:50

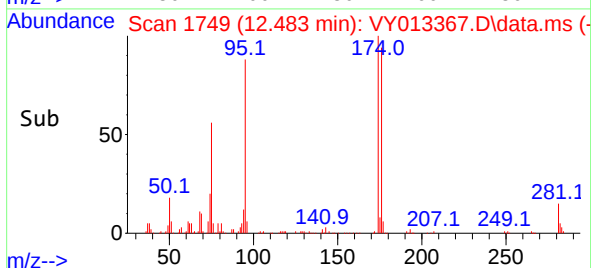
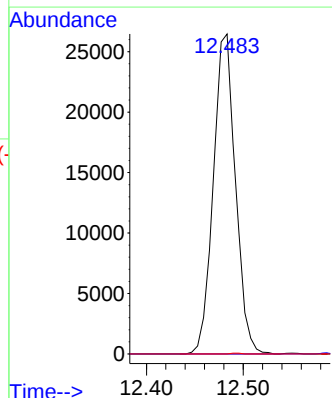
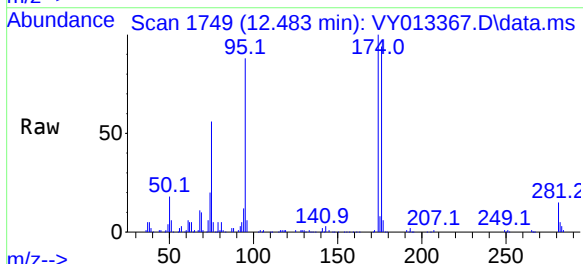
Instrument :
MSVOA_Y
ClientSampleId :
SB-23-5.0-5.5

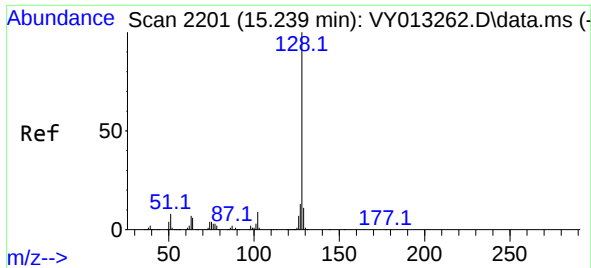
Tgt Ion: 75 Resp: 42036
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.366 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY013367.D
Acq: 20 Apr 2023 14:50

Tgt Ion: 75 Resp: 42036
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.1 36.6 55.0#





#95

Naphthalene

Concen: 3.561 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY013367.D

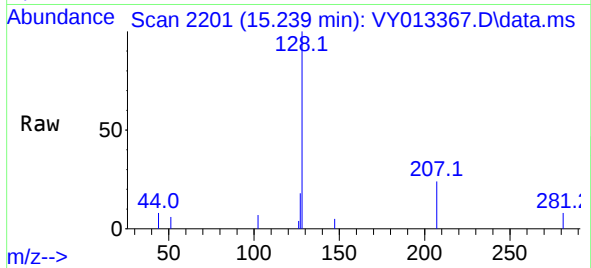
Acq: 20 Apr 2023 14:50

Instrument :

MSVOA_Y

ClientSampleId :

SB-23-5.0-5.5



Tgt Ion:	128	Resp:	2150
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	1.1	8.6	13.0#

