

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112922\
 Data File : VY011616.D
 Acq On : 29 Nov 2022 12:50
 Operator : KP/MD
 Sample : N5793-01
 Misc : 5.25g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-40-SB01

Quant Time: Nov 30 04:41:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

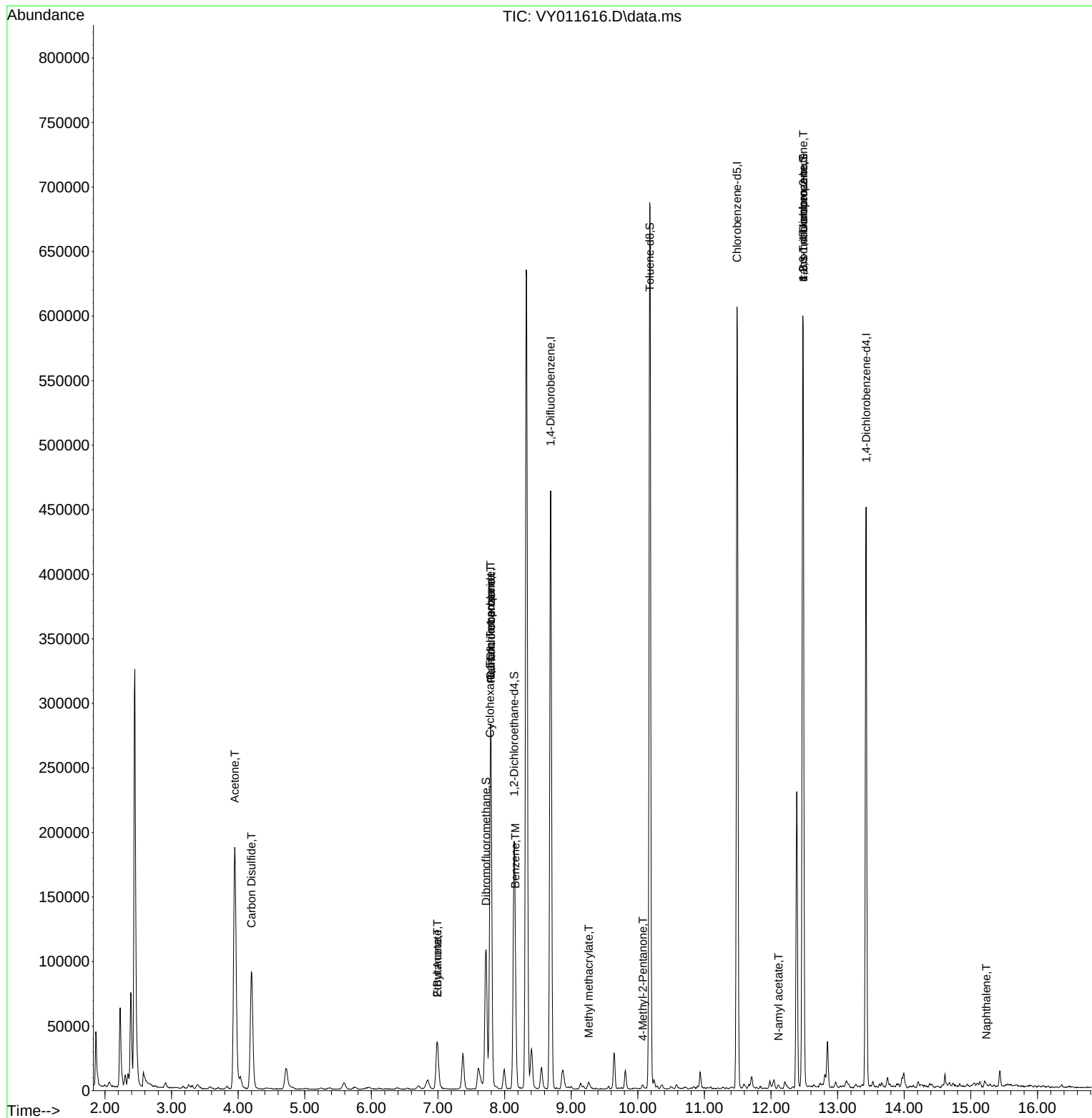
Internal Standards						
1) Pentafluorobenzene	7.795	168	214956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	391665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	327836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	133267	61.057	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.120%
35) Dibromofluoromethane	7.722	113	75913	31.485	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	62.980%
50) Toluene-d8	10.179	98	457255	52.189	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.380%
62) 4-Bromofluorobenzene	12.483	95	136156	42.031	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	84.060%
Target Compounds						
						Qvalue
3) Chloromethane	2.113	50	265	Below Cal		89
5) Bromomethane	2.668	94	264	Below Cal	#	22
11) Tert butyl alcohol	4.972	59	724	Below Cal	#	77
16) Acetone	3.948	43	329789	465.169	ug/l	92
17) Carbon Disulfide	4.198	76	185035	35.343	ug/l	97
18) Methyl Acetate	4.497	43	1051	Below Cal	#	78
20) Methylene Chloride	4.716	84	11585	Below Cal		87
25) 2-Butanone	6.990	43	63495	68.147	ug/l	92
31) Cyclohexane	7.783	56	5055	1.397	ug/l	# 17
36) 1,1-Dichloropropene	7.789	75	17045	4.523	ug/l	# 51
37) Ethyl Acetate	6.990	43	63317	29.504	ug/l	# 72
38) Carbon Tetrachloride	7.789	117	22183	5.261	ug/l	# 15
40) Benzene	8.161	78	39711	3.617	ug/l	100
48) Methyl methacrylate	9.264	41	1851	1.076	ug/l	# 49
51) 4-Methyl-2-Pentanone	10.075	43	2405	1.117	ug/l	93
74) N-amyl acetate	12.111	43	1974	1.012	ug/l	# 53
76) 1,2,3-Trichloropropane	12.483	75	72268	61.423	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	72268	134.537	ug/l	# 21
95) Naphthalene	15.233	128	1596	4.399	ug/l	# 95

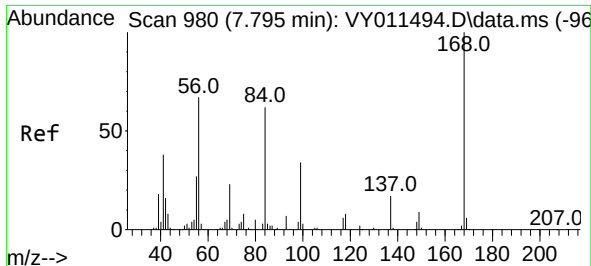
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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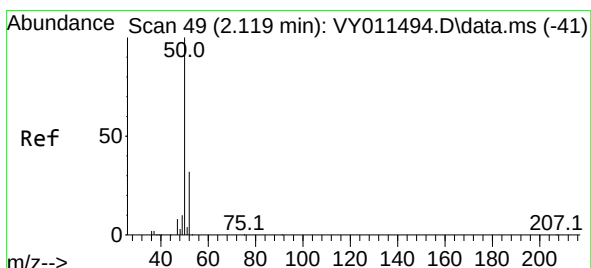
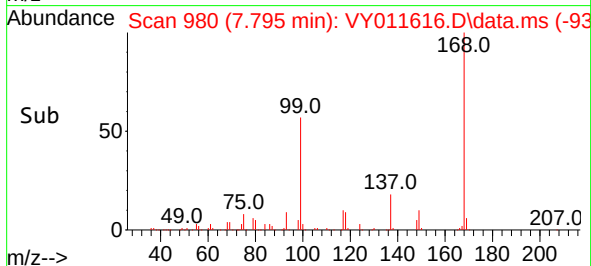
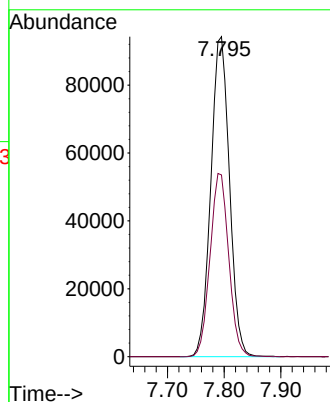
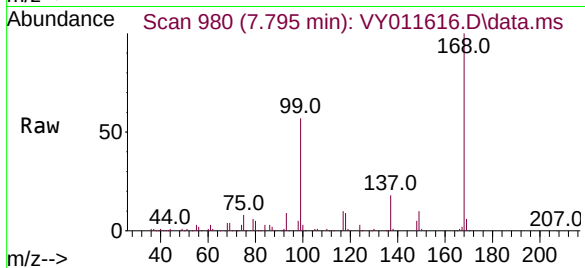




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011616.D
Acq: 29 Nov 2022 12:50

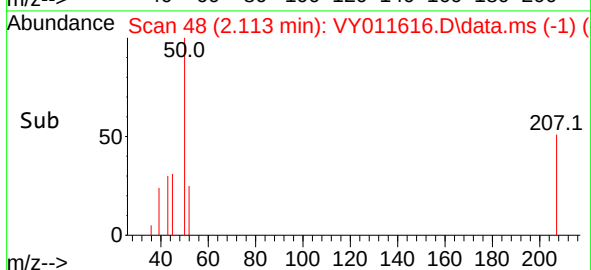
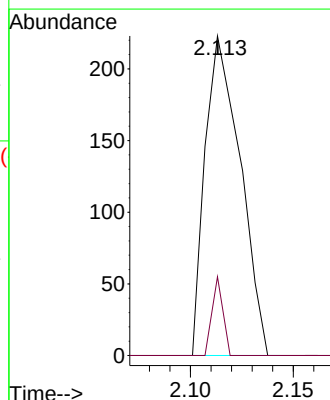
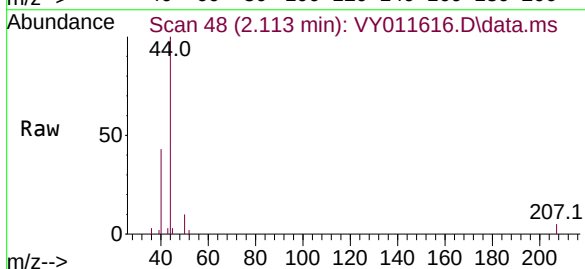
Instrument :
MSVOA_Y
ClientSampleId :
B-40-SB01

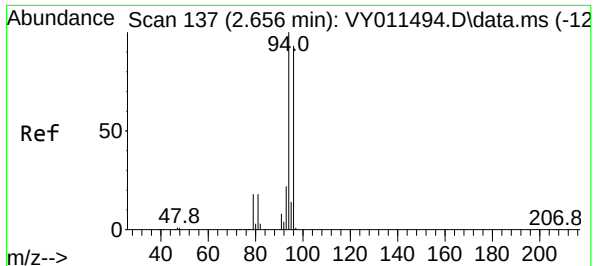
Tgt Ion:168 Resp: 214956
Ion Ratio Lower Upper
168 100
99 56.8 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY011616.D
Acq: 29 Nov 2022 12:50

Tgt Ion: 50 Resp: 265
Ion Ratio Lower Upper
50 100
52 24.7 24.6 37.0

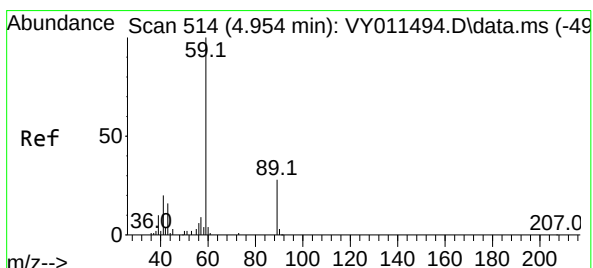
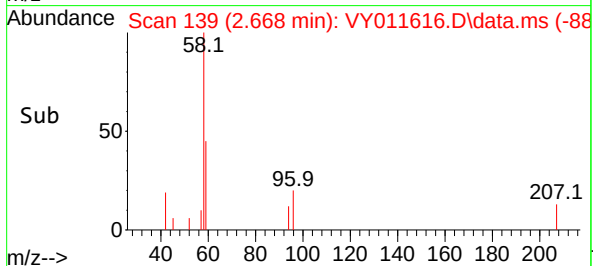
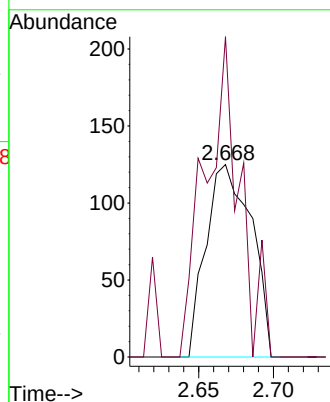
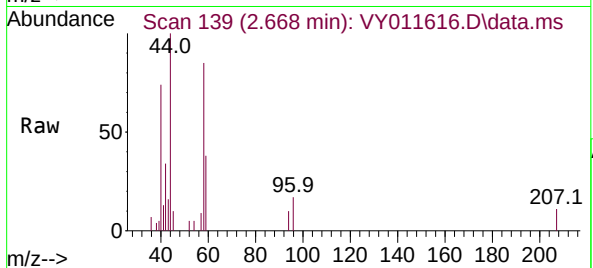




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011616.D
Acq: 29 Nov 2022 12:50

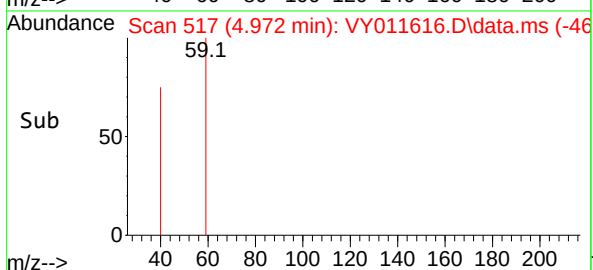
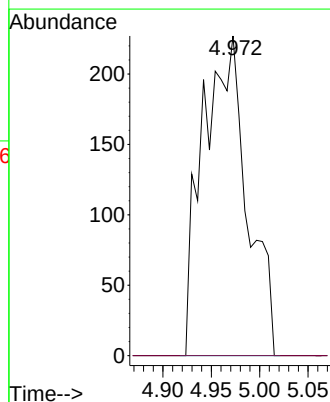
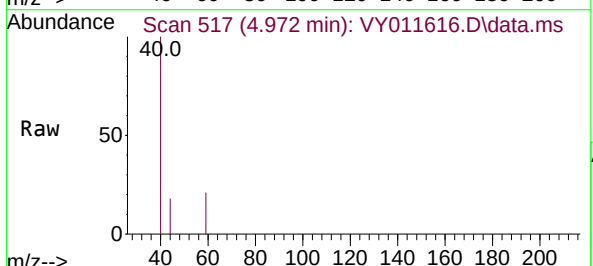
Instrument :
MSVOA_Y
ClientSampleId :
B-40-SB01

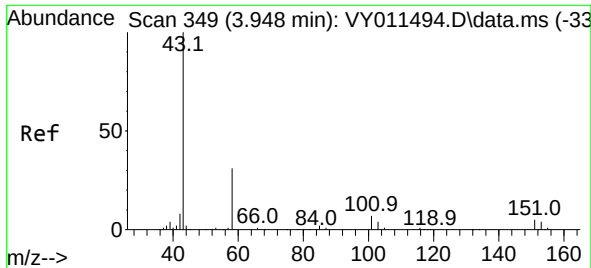
Tgt Ion: 94 Resp: 264
Ion Ratio Lower Upper
94 100
96 166.4 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.018 min
Lab File: VY011616.D
Acq: 29 Nov 2022 12:50

Tgt Ion: 59 Resp: 724
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

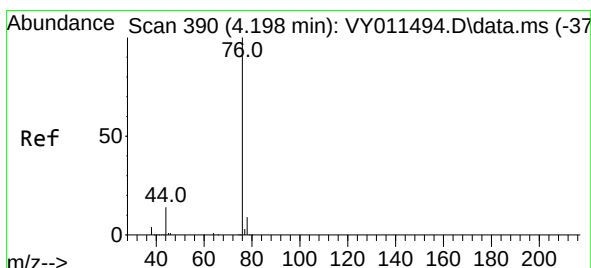
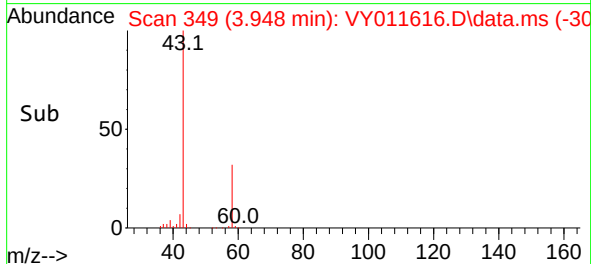
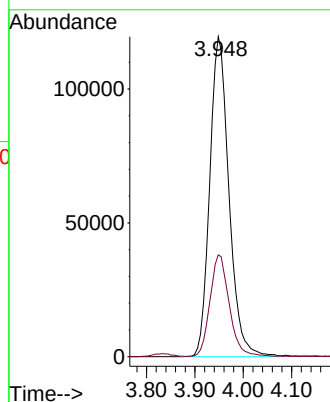
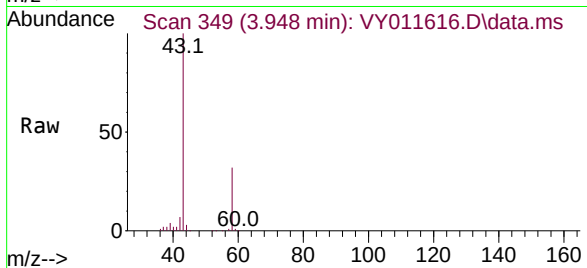




#16
Acetone
Concen: 465.169 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011616.D
Acq: 29 Nov 2022 12:50

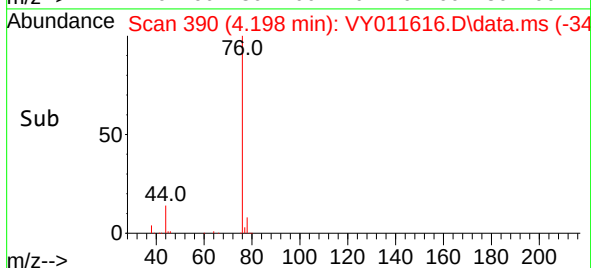
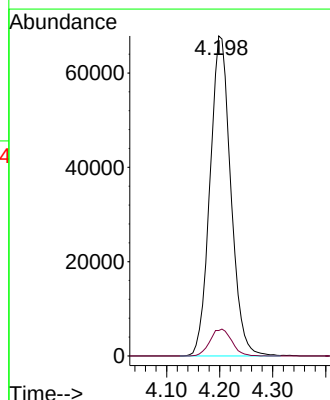
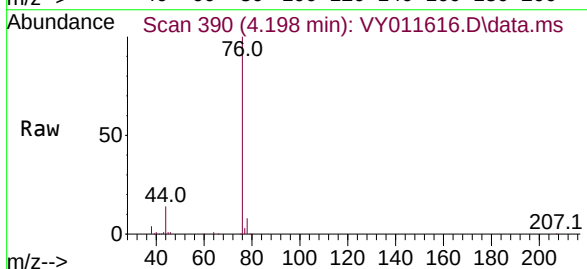
Instrument :
MSVOA_Y
ClientSampleId :
B-40-SB01

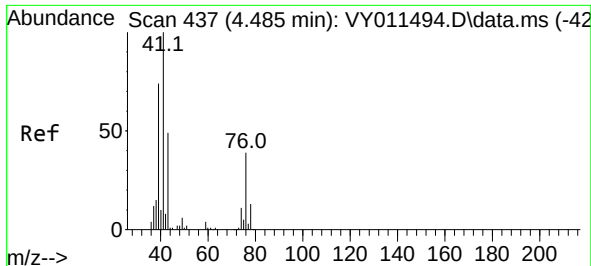
Tgt Ion: 43 Resp: 329789
Ion Ratio Lower Upper
43 100
58 31.7 22.0 33.0



#17
Carbon Disulfide
Concen: 35.343 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY011616.D
Acq: 29 Nov 2022 12:50

Tgt Ion: 76 Resp: 185035
Ion Ratio Lower Upper
76 100
78 8.0 7.4 11.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.497 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY011616.D

Acq: 29 Nov 2022 12:50

Instrument :

MSVOA_Y

ClientSampleId :

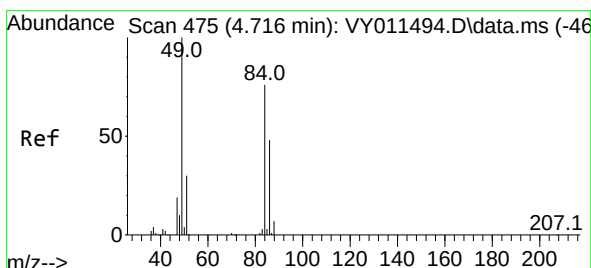
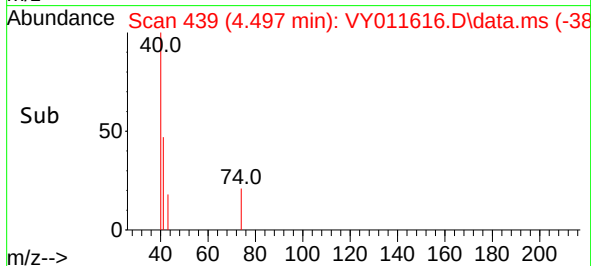
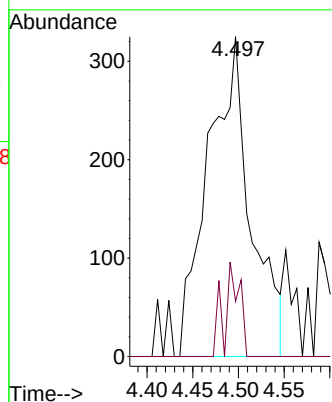
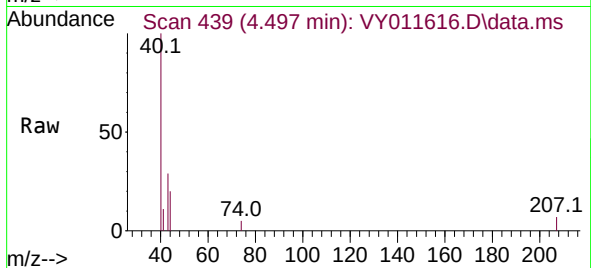
B-40-SB01

Tgt Ion: 43 Resp: 1051

Ion Ratio Lower Upper

43 100

74 10.7 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY011616.D

Acq: 29 Nov 2022 12:50

Tgt Ion: 84 Resp: 11585

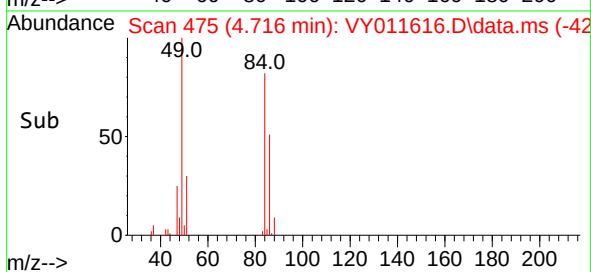
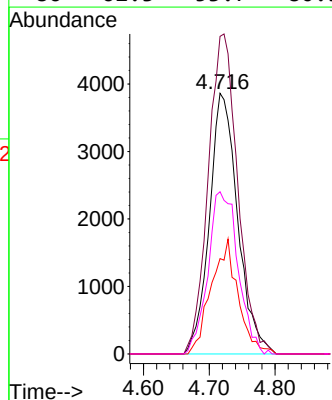
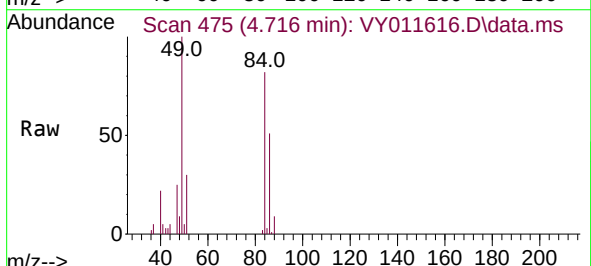
Ion Ratio Lower Upper

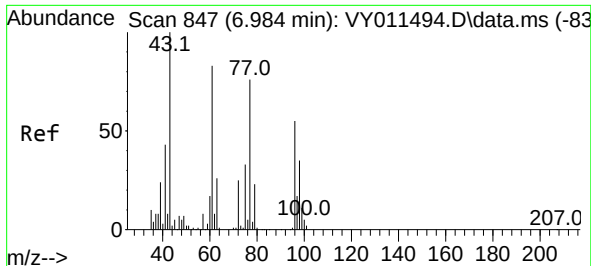
84 100

49 121.9 114.4 171.6

51 36.6 35.3 52.9

86 62.3 53.7 80.5

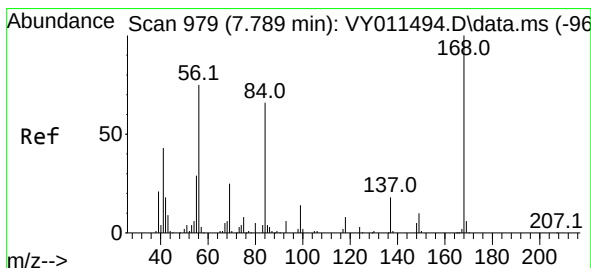
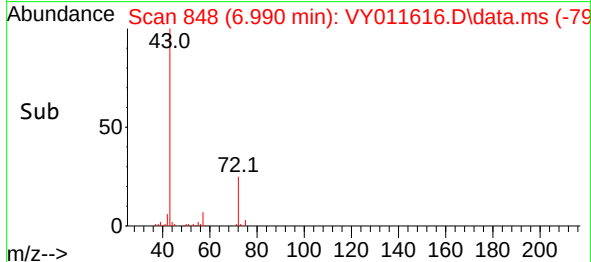
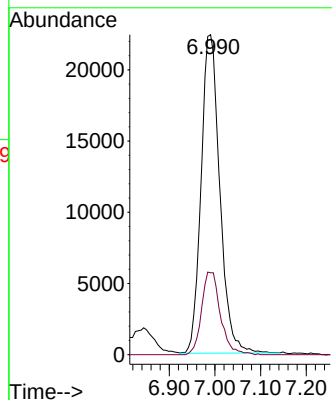
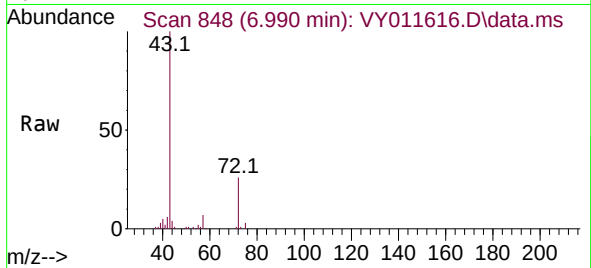




#25
2-Butanone
Concen: 68.147 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY011616.D
Acq: 29 Nov 2022 12:50

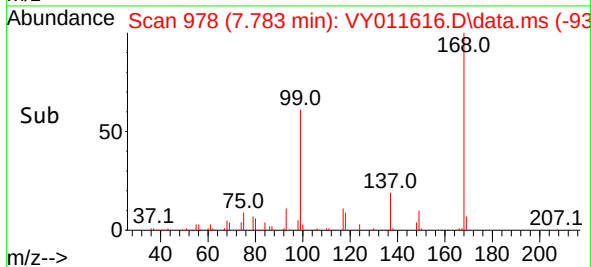
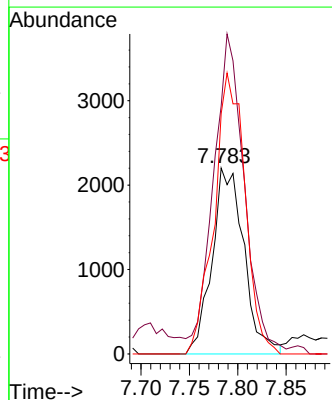
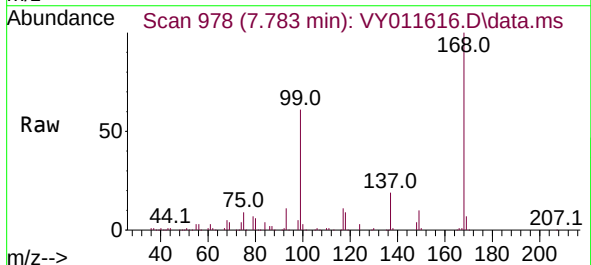
Instrument :
MSVOA_Y
ClientSampleId :
B-40-SB01

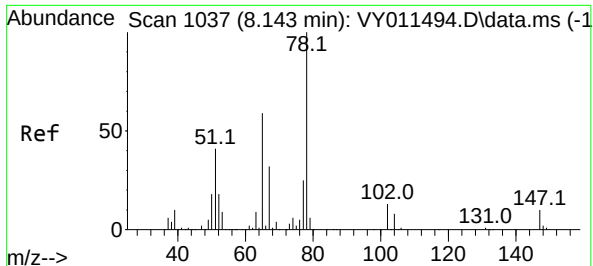
Tgt Ion: 43 Resp: 63495
Ion Ratio Lower Upper
43 100
72 25.8 17.7 26.5



#31
Cyclohexane
Concen: 1.397 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY011616.D
Acq: 29 Nov 2022 12:50

Tgt Ion: 56 Resp: 5055
Ion Ratio Lower Upper
56 100
69 128.7 26.7 40.1#
84 129.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 61.057 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011616.D

Acq: 29 Nov 2022 12:50

Instrument :

MSVOA_Y

ClientSampleId :

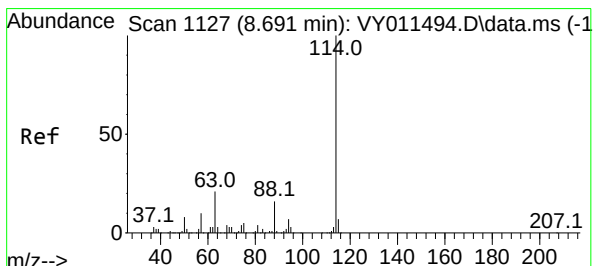
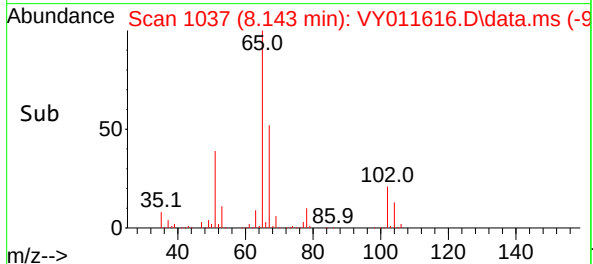
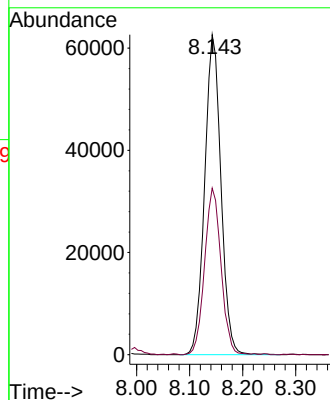
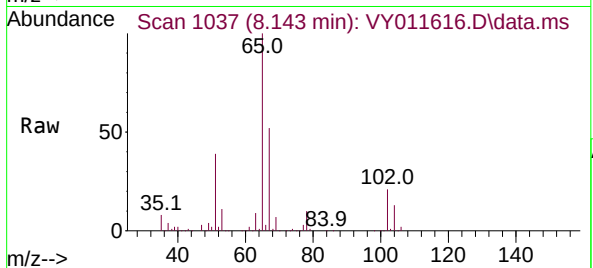
B-40-SB01

Tgt Ion: 65 Resp: 133267

Ion Ratio Lower Upper

65 100

67 52.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011616.D

Acq: 29 Nov 2022 12:50

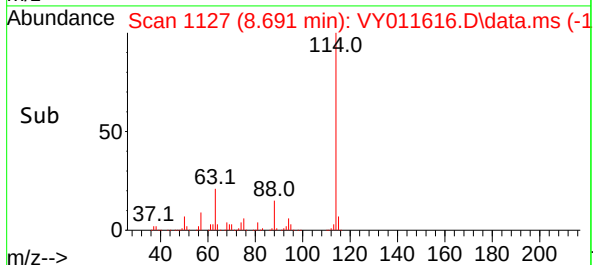
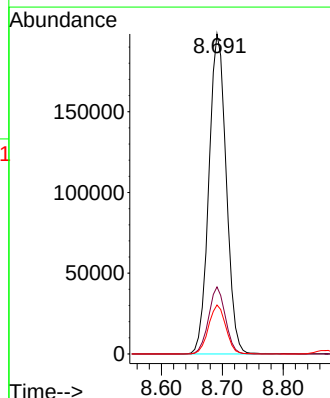
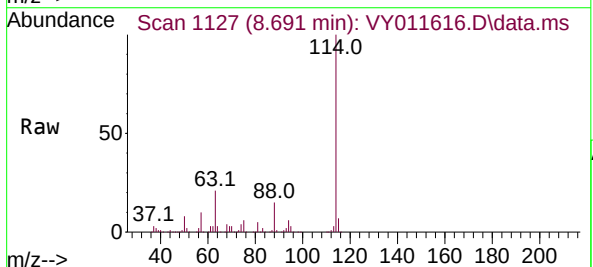
Tgt Ion: 114 Resp: 391665

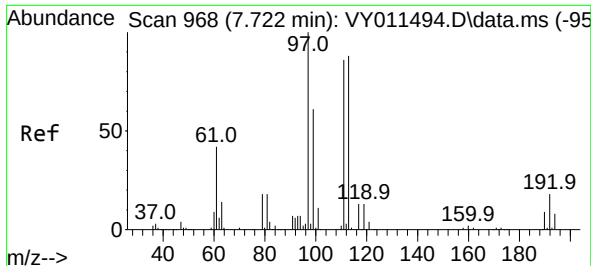
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

88 15.3 0.0 31.8

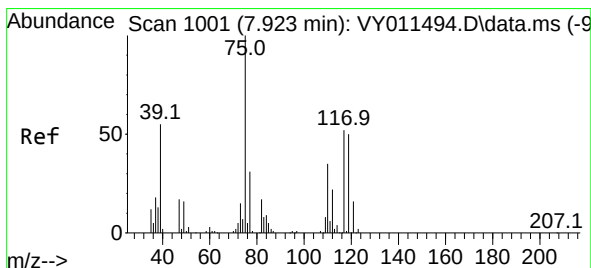
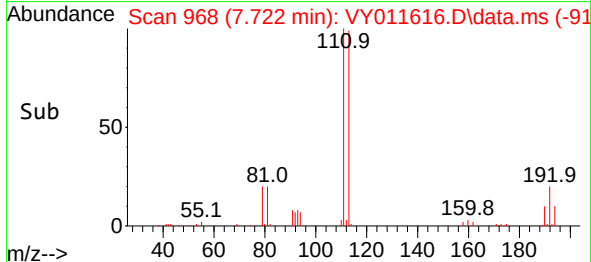
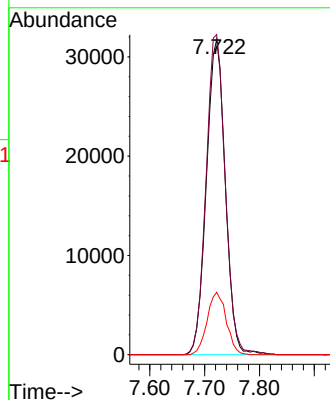
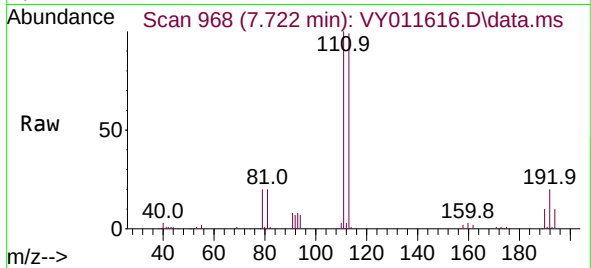




#35
Dibromofluoromethane
Concen: 31.485 ug/l
RT: 7.722 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011616.D
Acq: 29 Nov 2022 12:50

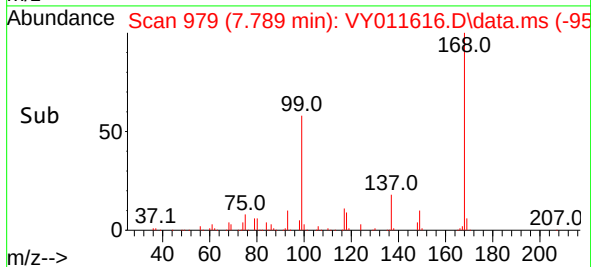
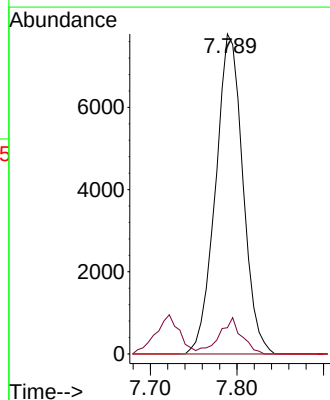
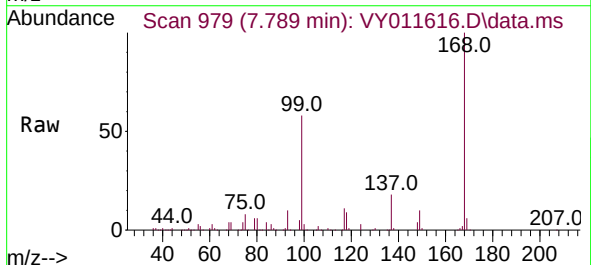
Instrument :
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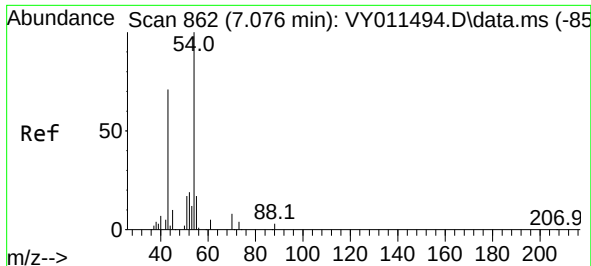
Tgt Ion:113 Resp: 75913
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 20.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.523 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011616.D
Acq: 29 Nov 2022 12:50

Tgt Ion: 75 Resp: 17045
Ion Ratio Lower Upper
75 100
110 9.3 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 29.504 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.086 min

Lab File: VY011616.D

Acq: 29 Nov 2022 12:50

Instrument :

MSVOA_Y

ClientSampleId :

B-40-SB01

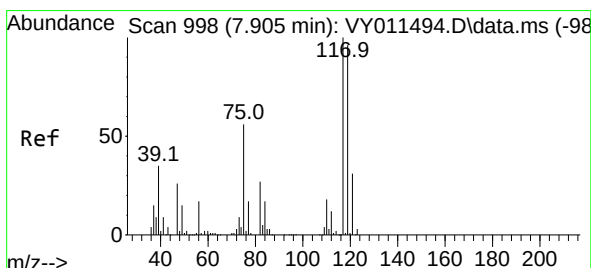
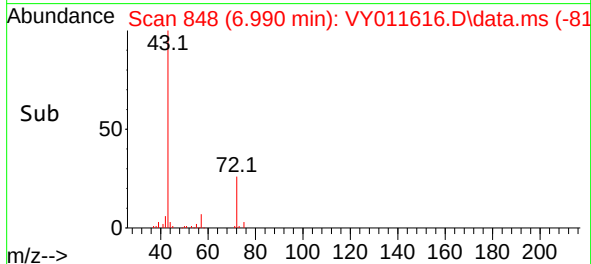
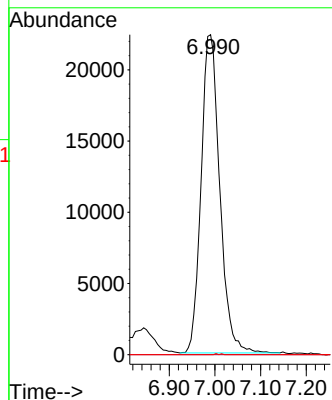
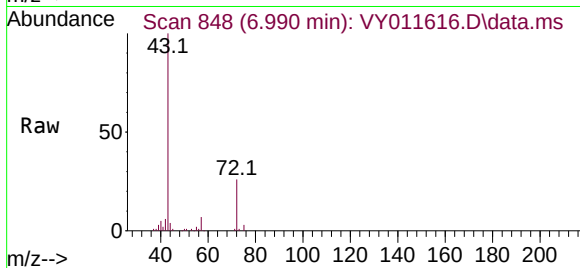
Tgt Ion: 43 Resp: 63317

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.1 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.261 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011616.D

Acq: 29 Nov 2022 12:50

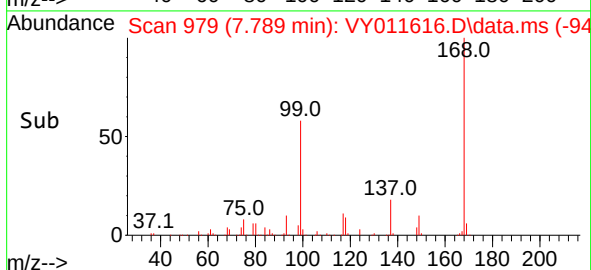
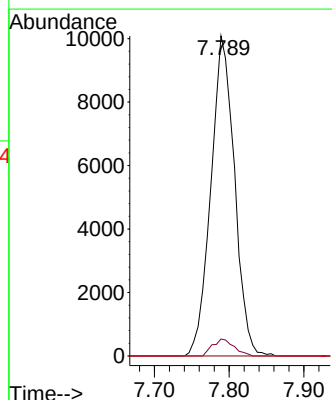
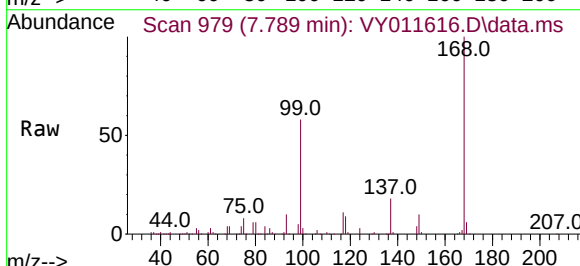
Tgt Ion: 117 Resp: 22183

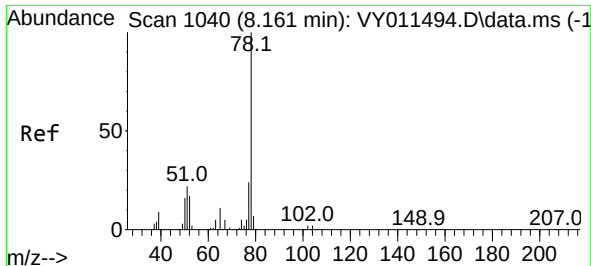
Ion Ratio Lower Upper

117 100

119 5.3 77.9 116.9#

121 0.0 24.8 37.2#

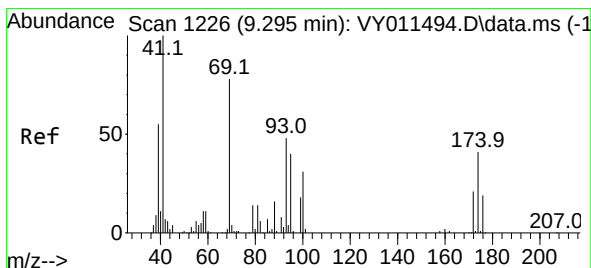
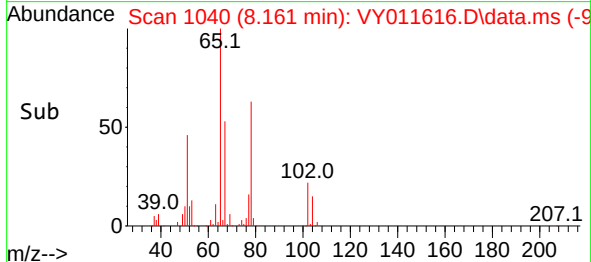
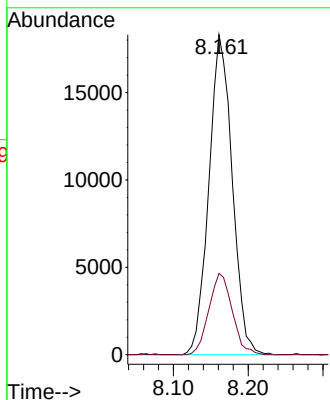
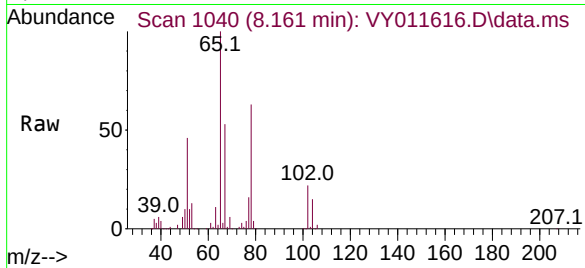




#40
Benzene
Concen: 3.617 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY011616.D
Acq: 29 Nov 2022 12:50

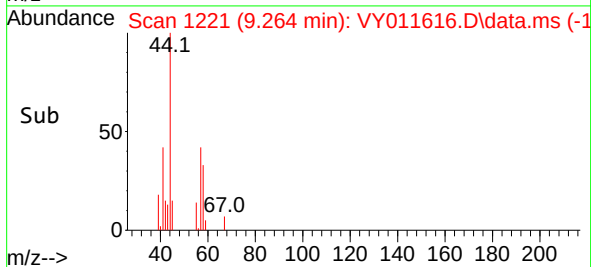
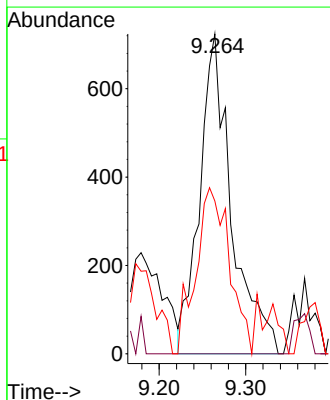
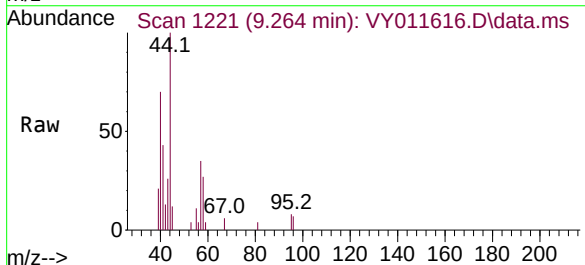
Instrument :
MSVOA_Y
ClientSampleId :
B-40-SB01

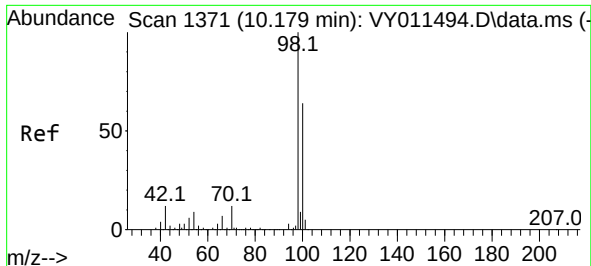
Tgt Ion: 78 Resp: 39711
Ion Ratio Lower Upper
78 100
77 25.4 20.4 30.6



#48
Methyl methacrylate
Concen: 1.076 ug/l
RT: 9.264 min Scan# 1221
Delta R.T. -0.031 min
Lab File: VY011616.D
Acq: 29 Nov 2022 12:50

Tgt Ion: 41 Resp: 1851
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 54.7 47.4 71.0

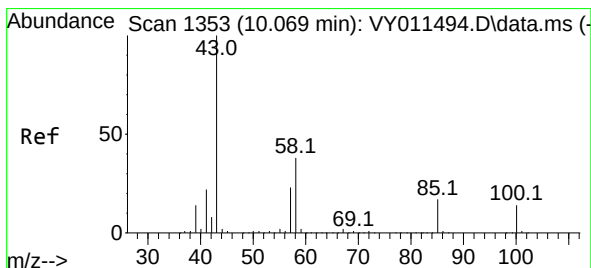
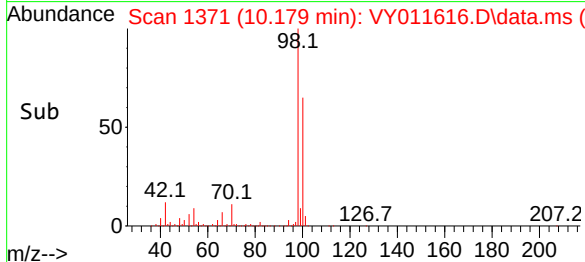
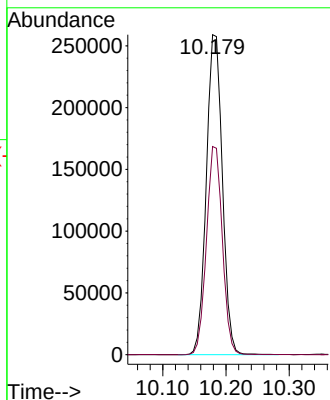
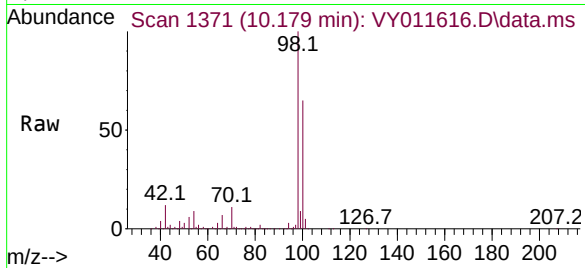




#50
Toluene-d8
Concen: 52.189 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011616.D
Acq: 29 Nov 2022 12:50

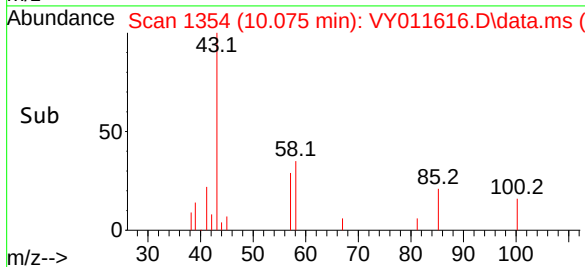
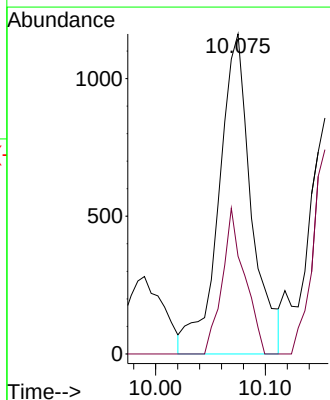
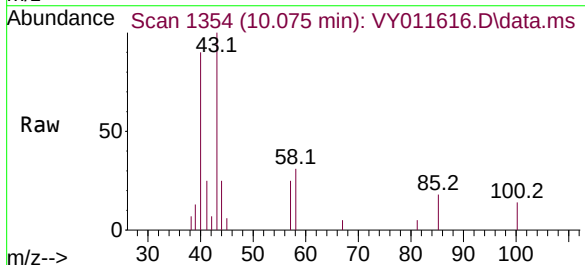
Instrument :
MSVOA_Y
ClientSampleId :
B-40-SB01

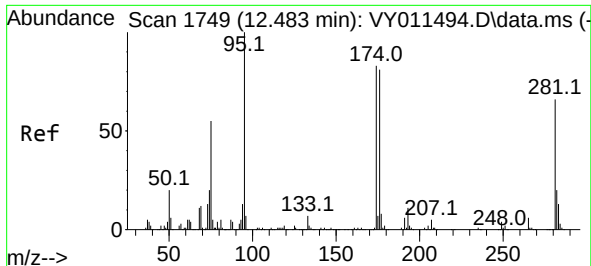
Tgt Ion: 98 Resp: 457255
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.117 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.006 min
Lab File: VY011616.D
Acq: 29 Nov 2022 12:50

Tgt Ion: 43 Resp: 2405
Ion Ratio Lower Upper
43 100
58 31.2 28.1 42.1





#62

4-Bromofluorobenzene

Concen: 42.031 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY011616.D

Acq: 29 Nov 2022 12:50

Instrument :

MSVOA_Y

ClientSampleId :

B-40-SB01

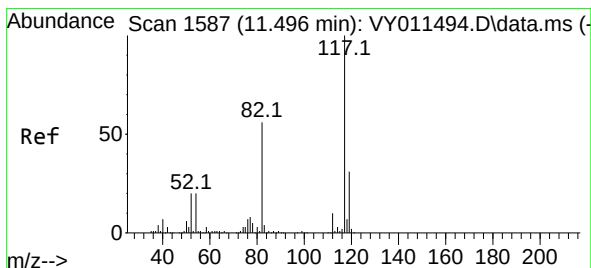
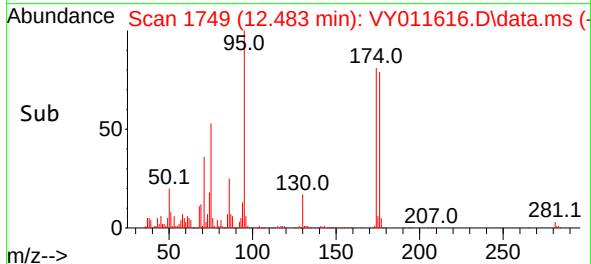
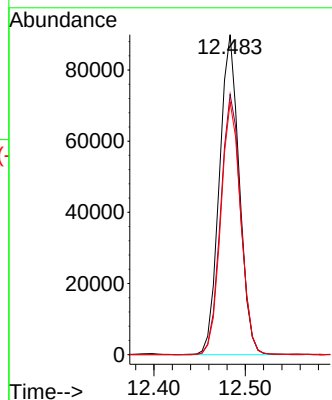
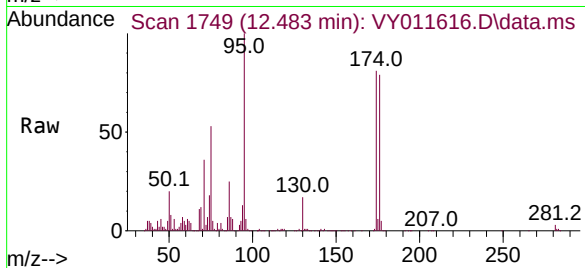
Tgt Ion: 95 Resp: 136156

Ion Ratio Lower Upper

95 100

174 81.9 0.0 177.0

176 79.1 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. -0.007 min

Lab File: VY011616.D

Acq: 29 Nov 2022 12:50

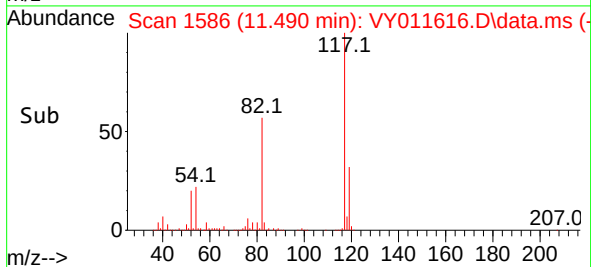
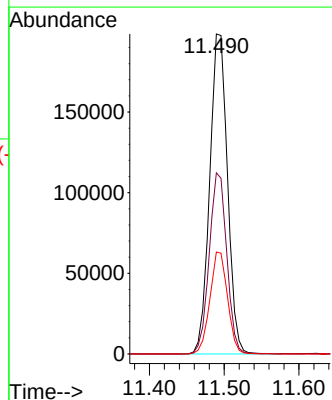
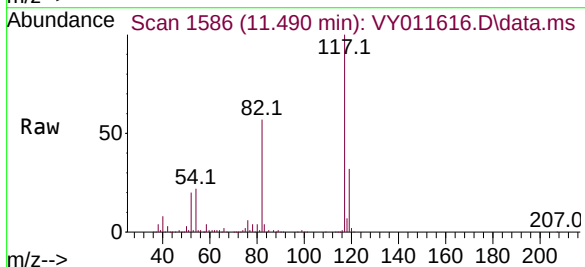
Tgt Ion: 117 Resp: 327836

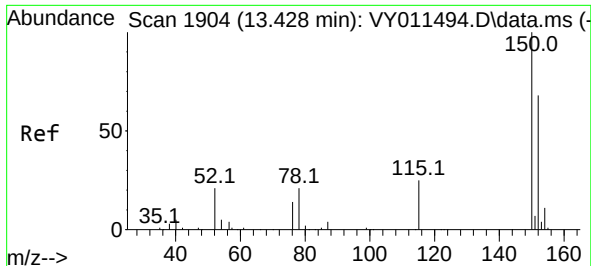
Ion Ratio Lower Upper

117 100

82 56.6 43.0 64.4

119 31.8 25.4 38.0

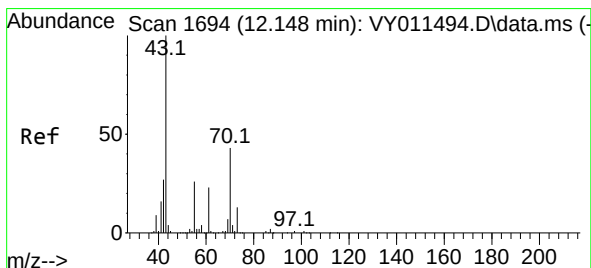
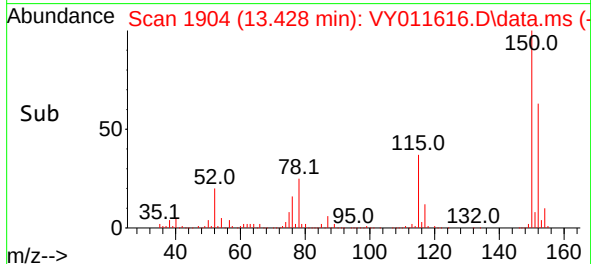
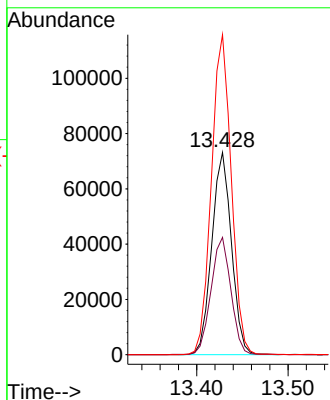
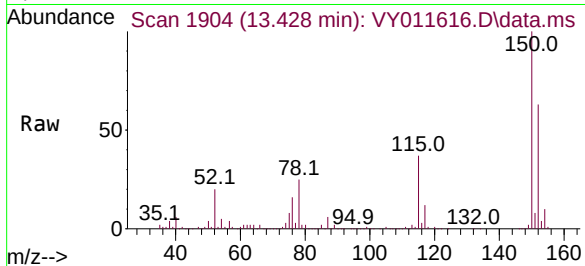




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011616.D
Acq: 29 Nov 2022 12:50

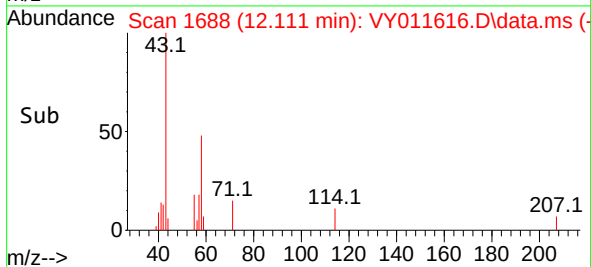
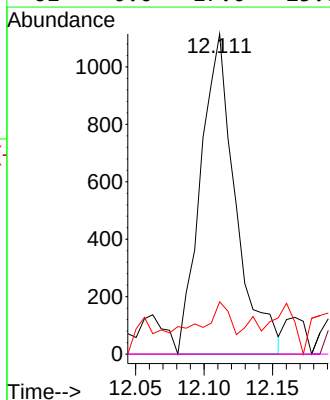
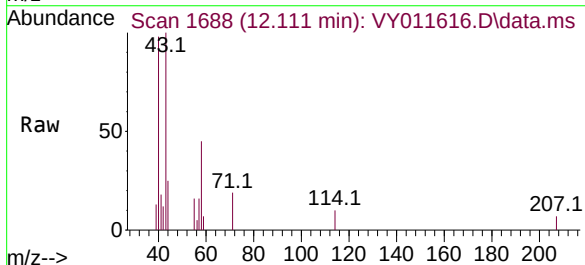
Instrument :
MSVOA_Y
ClientSampleId :
B-40-SB01

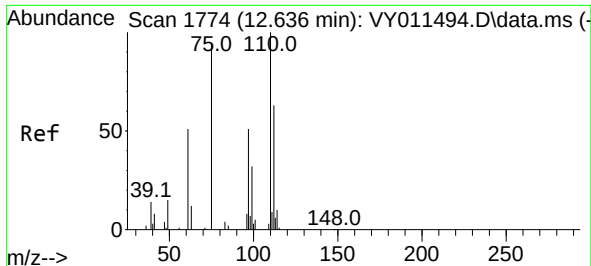
Tgt Ion:152 Resp: 109251
Ion Ratio Lower Upper
152 100
115 58.7 28.2 84.7
150 160.0 0.0 347.6



#74
N-ethyl acetate
Concen: 1.012 ug/l
RT: 12.111 min Scan# 1688
Delta R.T. -0.037 min
Lab File: VY011616.D
Acq: 29 Nov 2022 12:50

Tgt Ion: 43 Resp: 1974
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 8.8 17.3 25.9#
61 0.0 17.0 25.6#

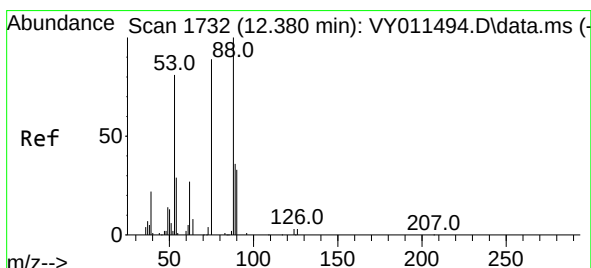
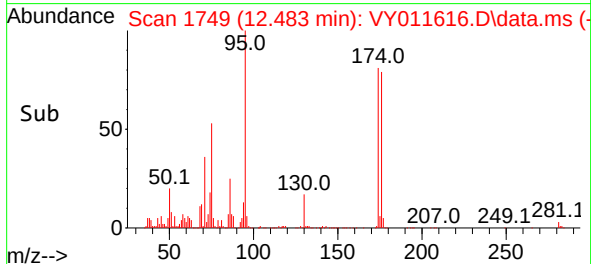
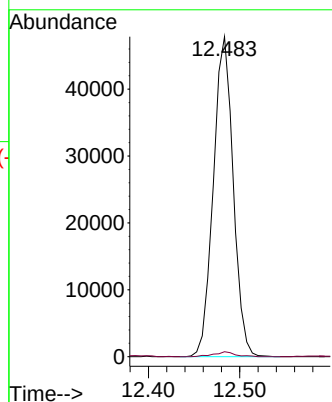
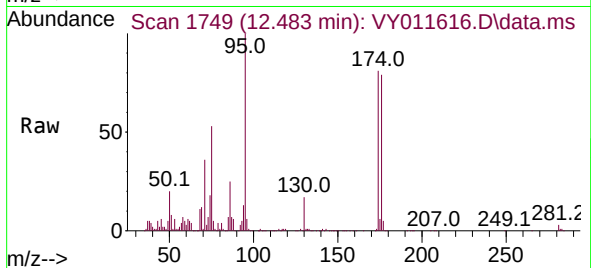




#76
1,2,3-Trichloropropane
Concen: 61.423 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011616.D
Acq: 29 Nov 2022 12:50

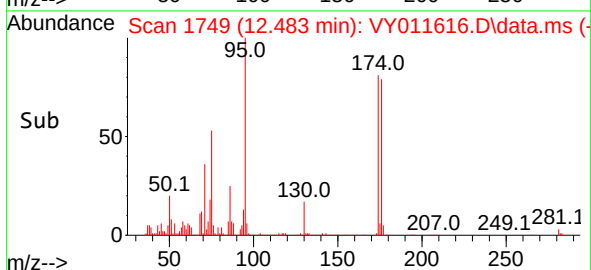
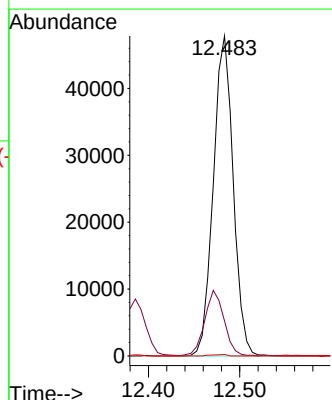
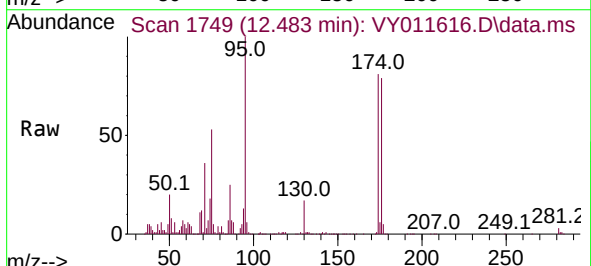
Instrument :
MSVOA_Y
ClientSampleId :
B-40-SB01

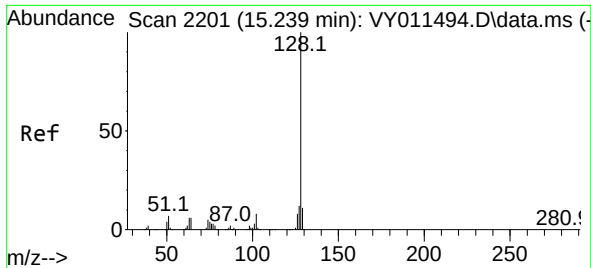
Tgt Ion: 75 Resp: 72268
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.537 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011616.D
Acq: 29 Nov 2022 12:50

Tgt Ion: 75 Resp: 72268
Ion Ratio Lower Upper
75 100
53 20.1 85.3 127.9#
89 0.3 37.0 55.4#





#95

Naphthalene

Concen: 4.399 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY011616.D

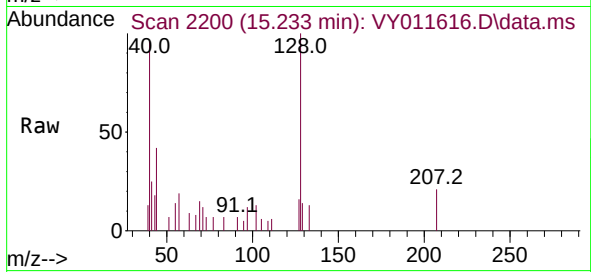
Acq: 29 Nov 2022 12:50

Instrument :

MSVOA_Y

ClientSampleId :

B-40-SB01



Tgt Ion:128 Resp: 1596

Ion Ratio Lower Upper

128 100

127 13.7 11.0 16.4

129 15.2 8.4 12.6#

