

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007939.D
 Acq On : 19 Mar 2022 07:07
 Operator : SY/MD
 Sample : N1953-05
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 124019

Quant Time: Mar 21 03:21:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	79042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	141447	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	124909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	53916	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	48373	53.675	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.340%	
35) Dibromofluoromethane	7.716	113	44230	44.525	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.060%	
50) Toluene-d8	10.179	98	171226	58.030	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 116.060%	
62) 4-Bromofluorobenzene	12.483	95	60460	42.408	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 84.820%	

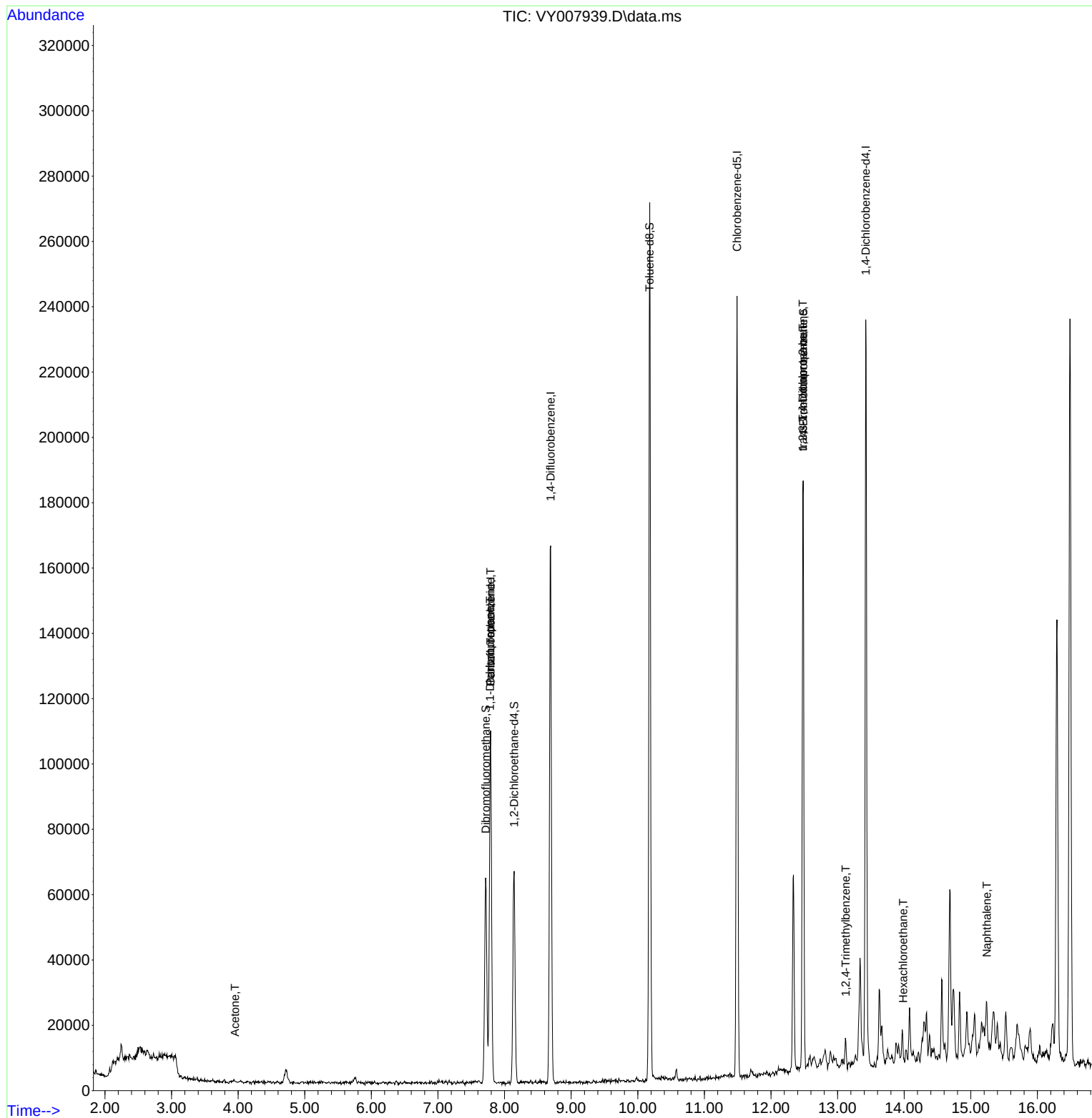
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.010	85	23	Below Cal	#	43
3) Chloromethane	2.119	50	497	Below Cal		100
4) Vinyl Chloride	2.229	62	179	Below Cal	#	43
5) Bromomethane	2.668	94	171	Below Cal	#	21
16) Acetone	3.954	43	1255	5.249	ug/l #	89
18) Methyl Acetate	4.485	43	49	Below Cal	#	56
20) Methylene Chloride	4.729	84	2911	Below Cal	#	67
31) Cyclohexane	7.783	56	1780	Below Cal	#	26
36) 1,1-Dichloropropene	7.783	75	6795	4.612	ug/l #	50
38) Carbon Tetrachloride	7.789	117	8820	5.602	ug/l #	15
39) Methylcyclohexane	9.240	83	72	Below Cal	#	60
76) 1,2,3-Trichloropropane	12.477	75	31385	40.840	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	31385	85.781	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.123	105	4540	1.187	ug/l	91
90) Hexachloroethane	13.983	117	906	1.068	ug/l #	6
95) Naphthalene	15.239	128	12151	4.522	ug/l	96

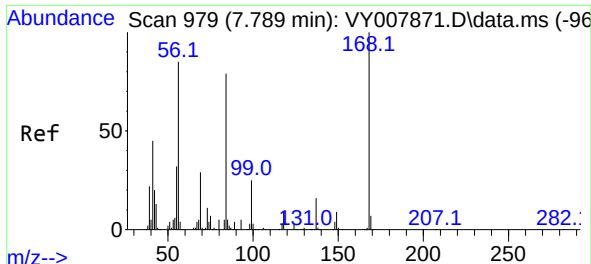
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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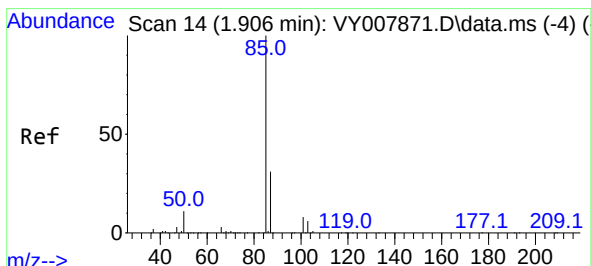
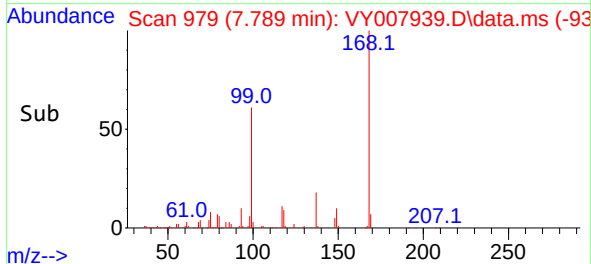
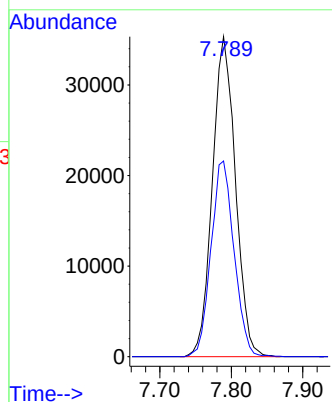
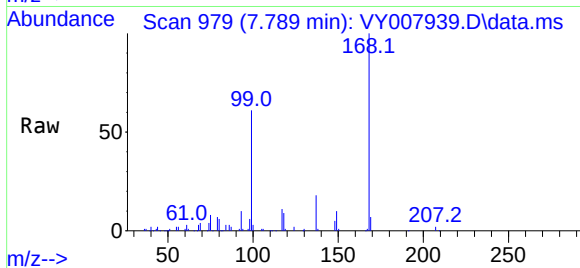




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007939.D
Acq: 19 Mar 2022 07:07

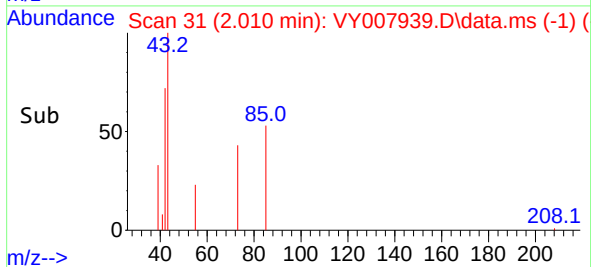
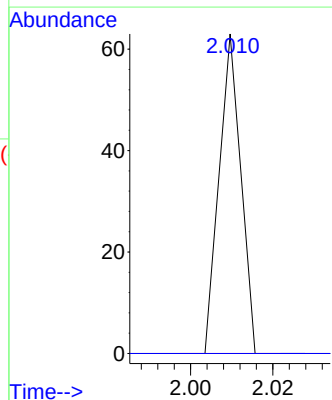
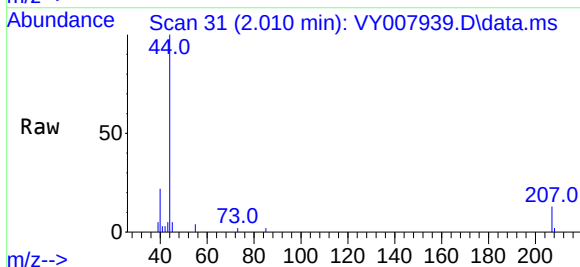
Instrument :
MSVOA_Y
ClientSampleId :
124019

Tgt Ion:168 Resp: 79042
Ion Ratio Lower Upper
168 100
99 61.2 46.9 70.3

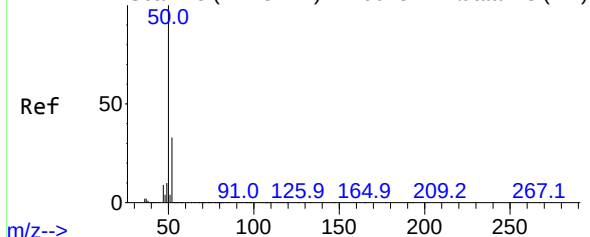


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.010 min Scan# 31
Delta R.T. 0.104 min
Lab File: VY007939.D
Acq: 19 Mar 2022 07:07

Tgt Ion: 85 Resp: 23
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



Abundance Scan 48 (2.113 min): VY007871.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY007939.D

Acq: 19 Mar 2022 07:07

Instrument :

MSVOA_Y

ClientSampleId :

124019

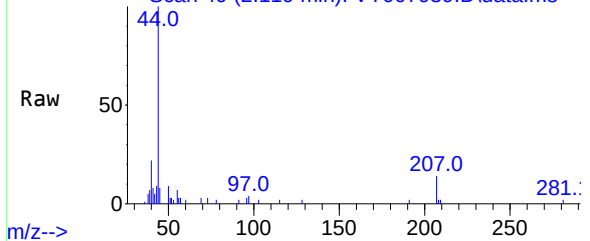
Tgt Ion: 50 Resp: 497

Ion Ratio Lower Upper

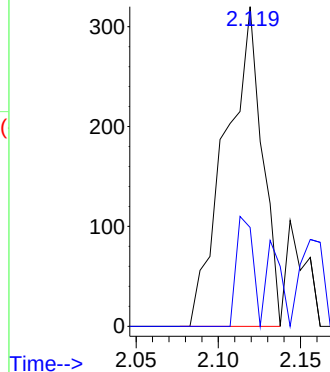
50 100

52 30.9 24.6 37.0

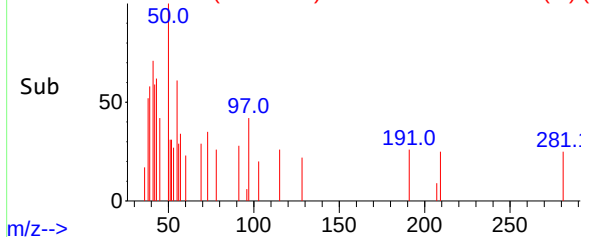
Abundance Scan 49 (2.119 min): VY007939.D\data.ms



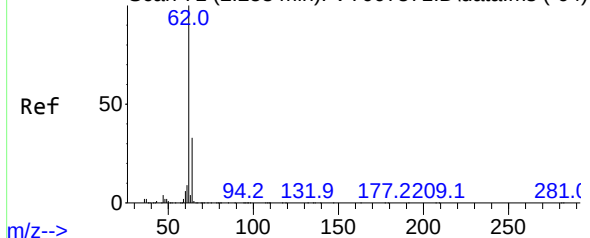
Abundance



Abundance Scan 49 (2.119 min): VY007939.D\data.ms (-1)



Abundance Scan 71 (2.253 min): VY007871.D\data.ms (-64)



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.229 min Scan# 67

Delta R.T. -0.024 min

Lab File: VY007939.D

Acq: 19 Mar 2022 07:07

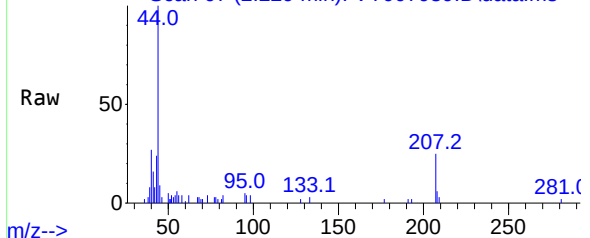
Tgt Ion: 62 Resp: 179

Ion Ratio Lower Upper

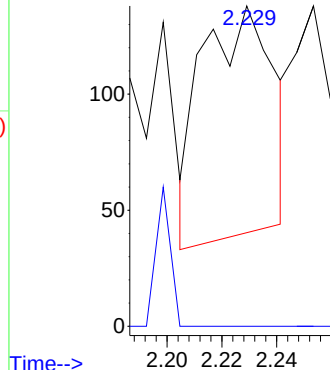
62 100

64 0.0 25.0 37.6#

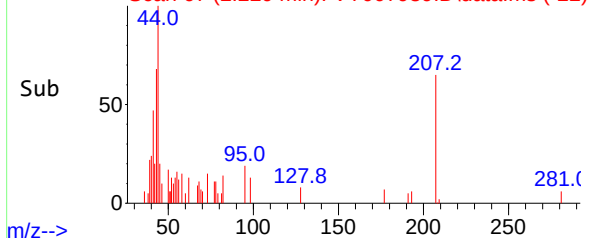
Abundance Scan 67 (2.229 min): VY007939.D\data.ms

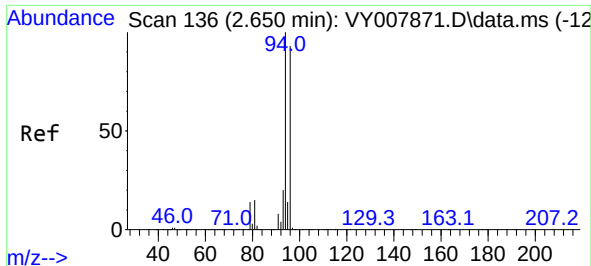


Abundance



Abundance Scan 67 (2.229 min): VY007939.D\data.ms (-22)

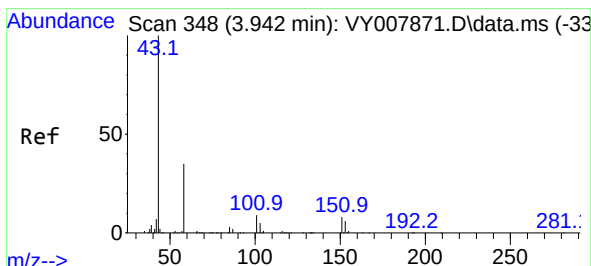
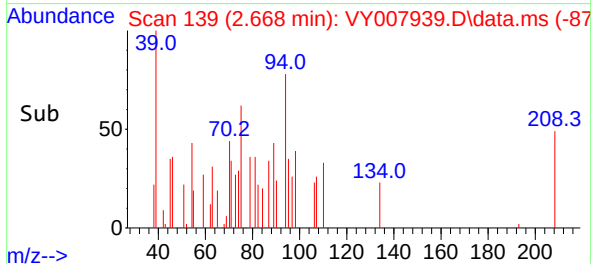
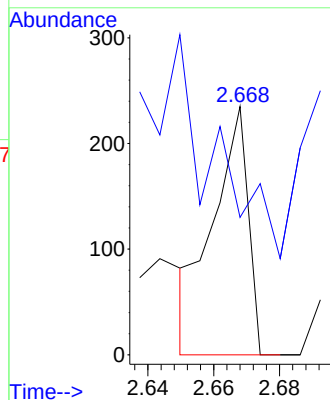
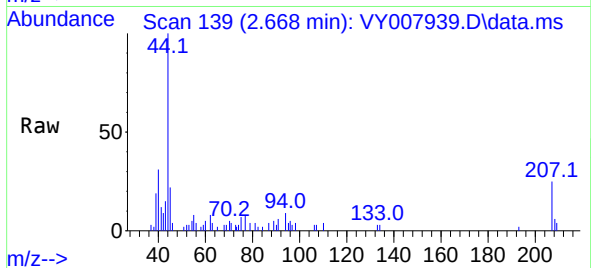




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY007939.D
Acq: 19 Mar 2022 07:07

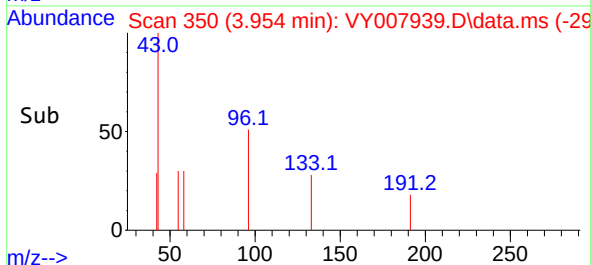
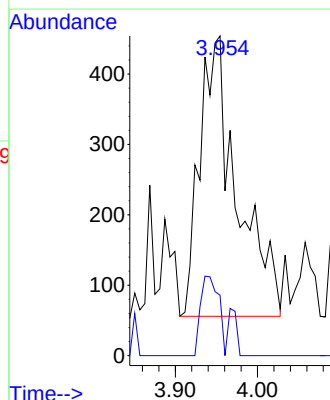
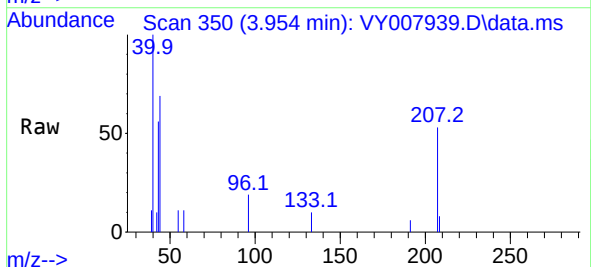
Instrument :
MSVOA_Y
ClientSampleId :
124019

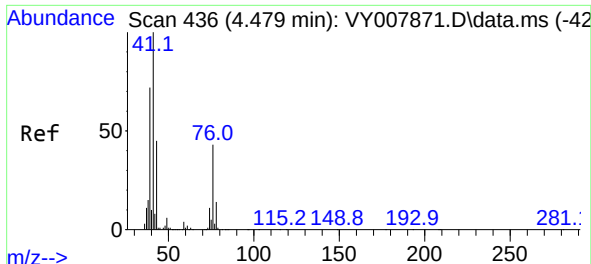
Tgt Ion: 94 Resp: 171
Ion Ratio Lower Upper
94 100
96 16.6 73.5 110.3#



#16
Acetone
Concen: 5.249 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY007939.D
Acq: 19 Mar 2022 07:07

Tgt Ion: 43 Resp: 1255
Ion Ratio Lower Upper
43 100
58 21.6 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.485 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY007939.D

Acq: 19 Mar 2022 07:07

Instrument :

MSVOA_Y

ClientSampleId :

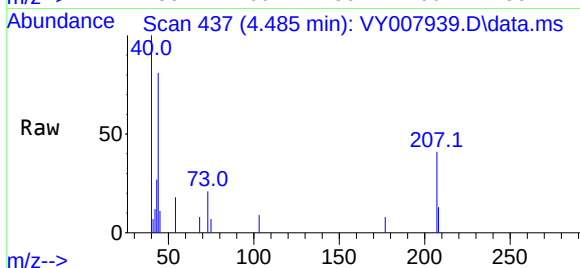
124019

Tgt Ion: 43 Resp: 49

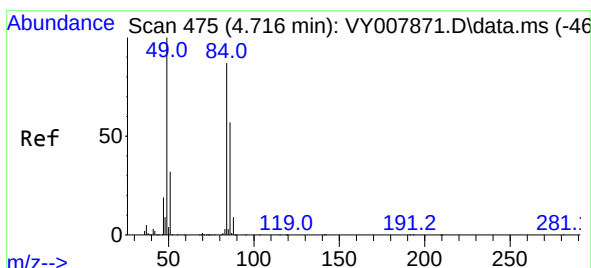
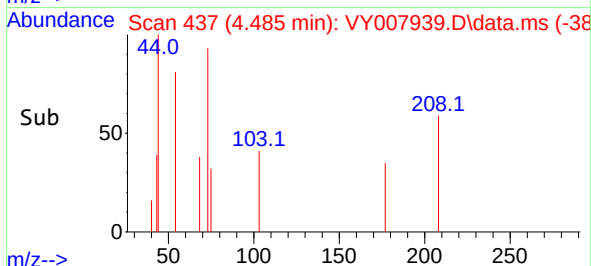
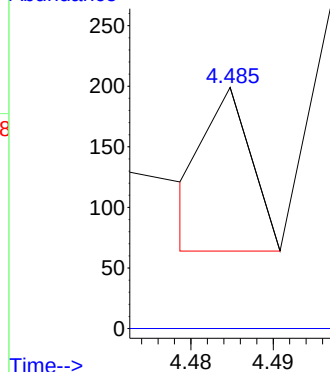
Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



Abundance



#20

Methylene Chloride

Concen: Below Cal

RT: 4.729 min Scan# 477

Delta R.T. 0.012 min

Lab File: VY007939.D

Acq: 19 Mar 2022 07:07

Tgt Ion: 84 Resp: 2911

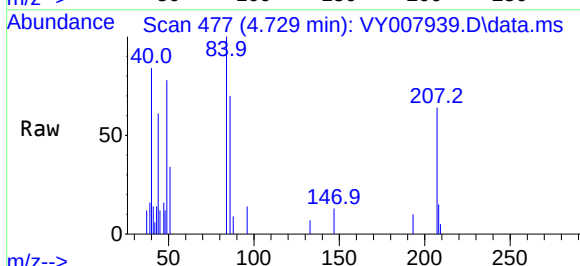
Ion Ratio Lower Upper

84 100

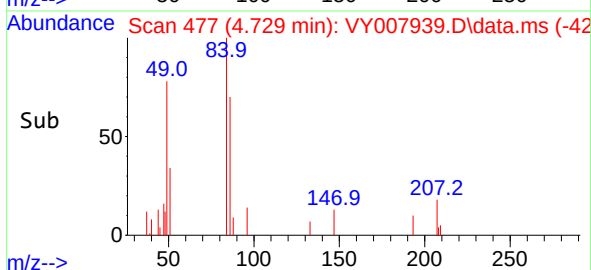
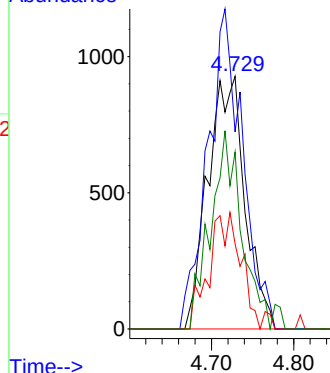
49 78.0 114.4 171.6#

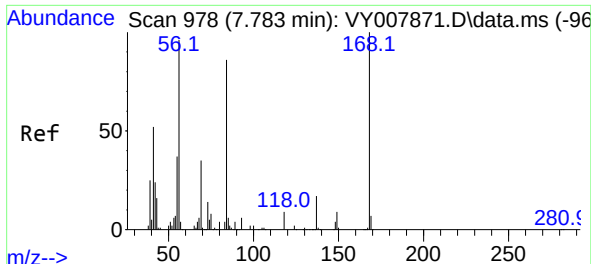
51 33.7 35.3 52.9#

86 70.0 53.7 80.5



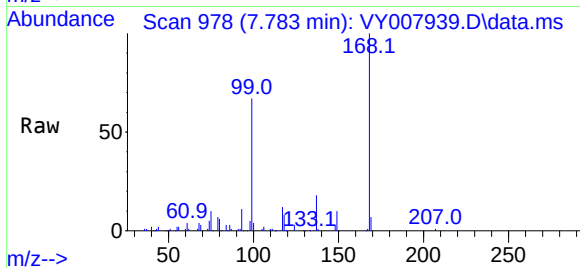
Abundance



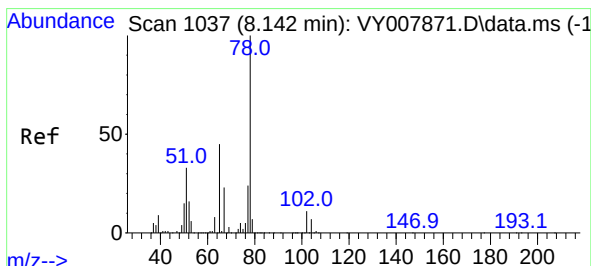
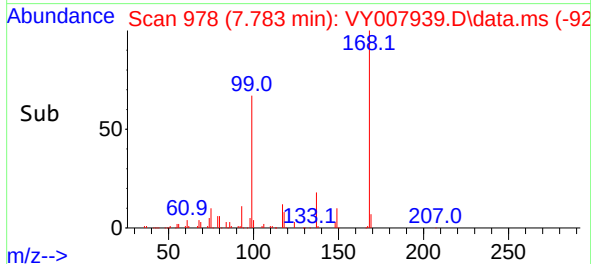
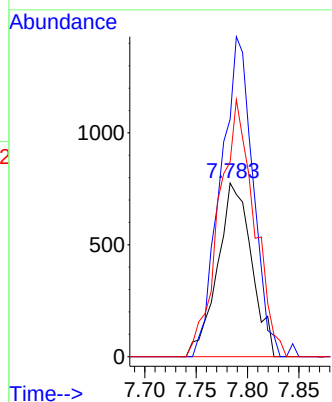


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007939.D
Acq: 19 Mar 2022 07:07

Instrument :
MSVOA_Y
ClientSampleId :
124019

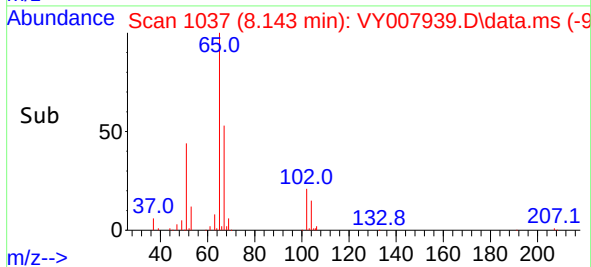
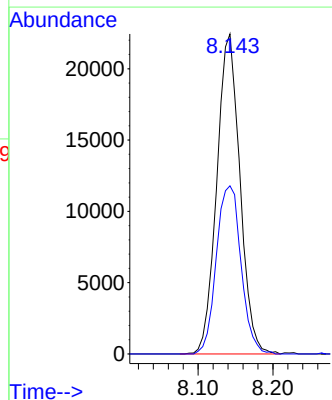
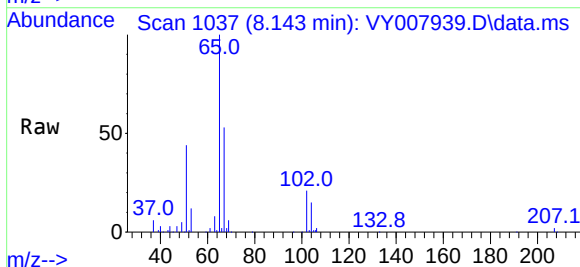


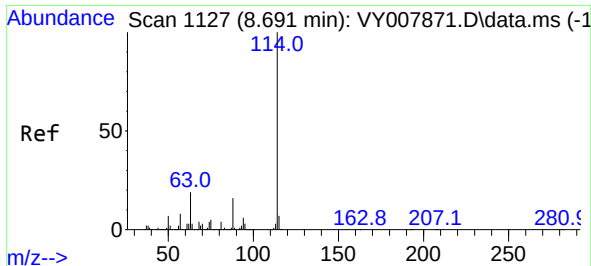
Tgt Ion: 56 Resp: 1780
Ion Ratio Lower Upper
56 100
69 136.7 26.7 40.1#
84 112.1 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 53.675 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007939.D
Acq: 19 Mar 2022 07:07

Tgt Ion: 65 Resp: 48373
Ion Ratio Lower Upper
65 100
67 56.0 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: VY007939.D

Acq: 19 Mar 2022 07:07

Instrument :

MSVOA_Y

ClientSampleId :

124019

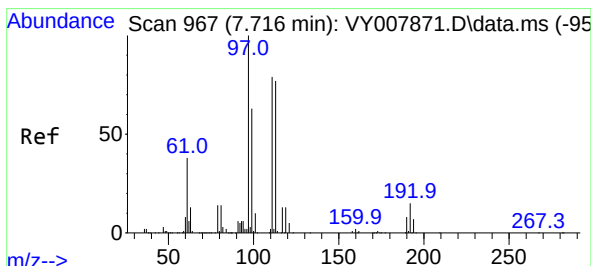
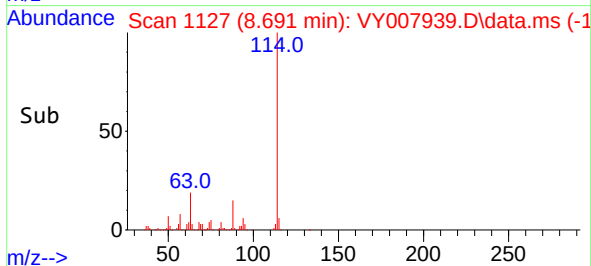
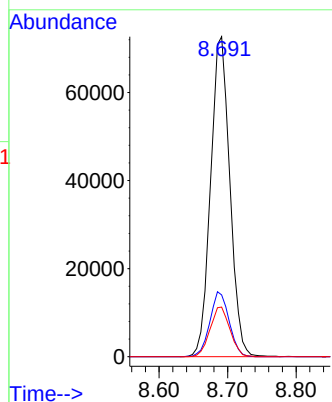
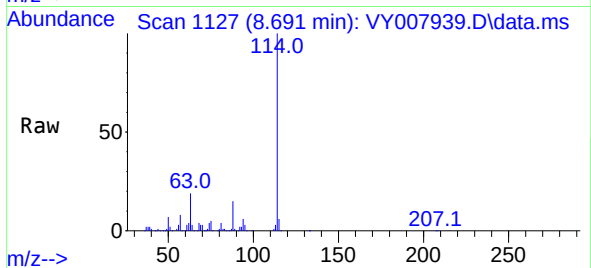
Tgt Ion:114 Resp: 141447

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.525 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007939.D

Acq: 19 Mar 2022 07:07

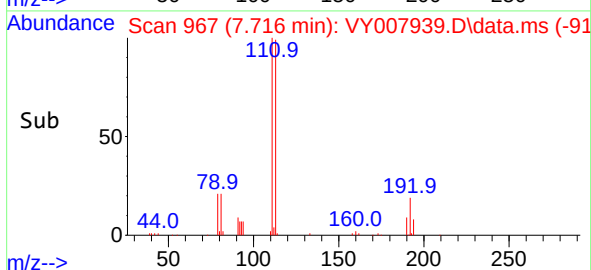
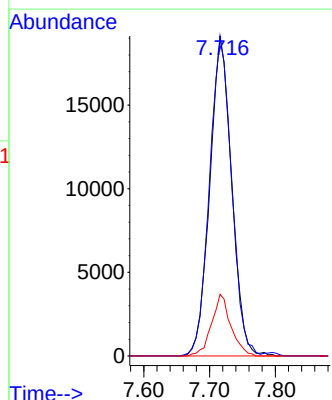
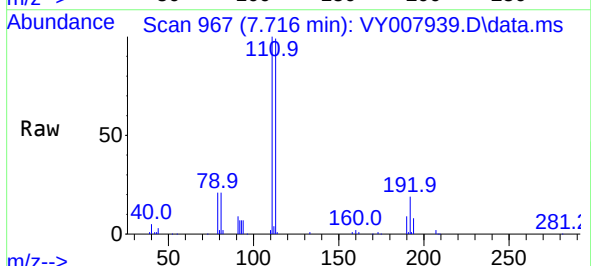
Tgt Ion:113 Resp: 44230

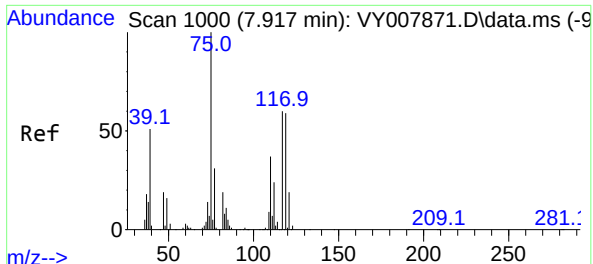
Ion Ratio Lower Upper

113 100

111 100.9 82.6 124.0

192 17.1 17.6 26.4#





#36

1,1-Dichloropropene

Concen: 4.612 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY007939.D

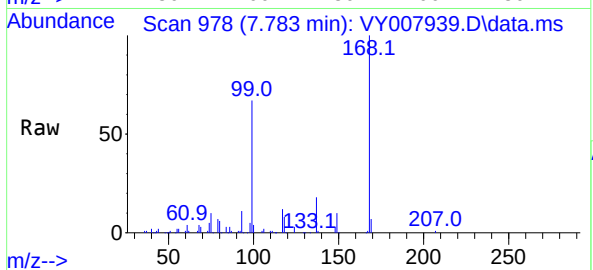
Acq: 19 Mar 2022 07:07

Instrument :

MSVOA_Y

ClientSampleId :

124019



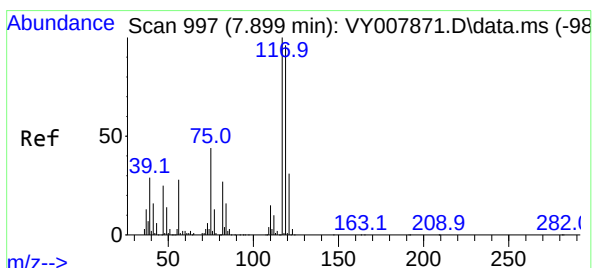
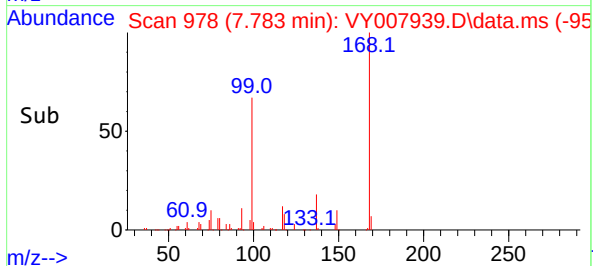
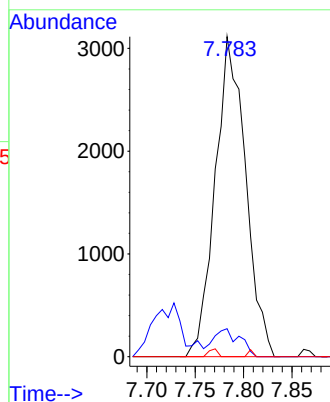
Tgt Ion: 75 Resp: 6795

Ion Ratio Lower Upper

75 100

110 7.6 17.1 51.2#

77 0.7 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.602 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY007939.D

Acq: 19 Mar 2022 07:07

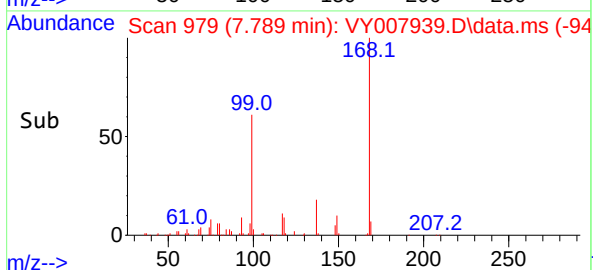
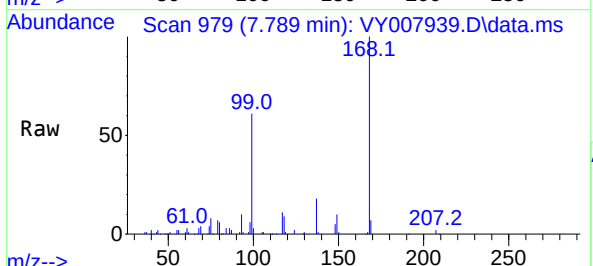
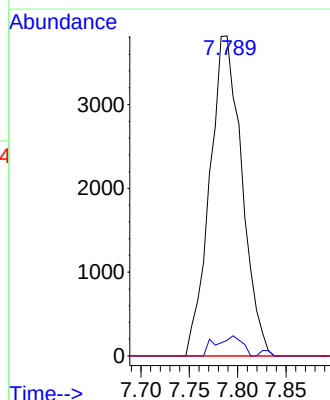
Tgt Ion: 117 Resp: 8820

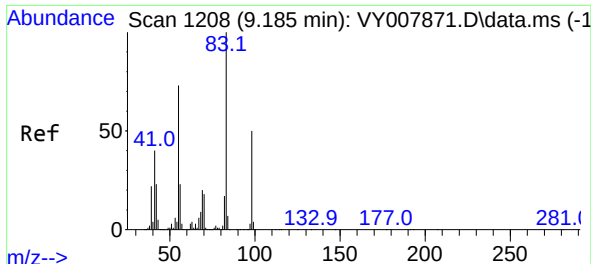
Ion Ratio Lower Upper

117 100

119 4.9 77.9 116.9#

121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: Below Cal

RT: 9.240 min Scan# 11

Delta R.T. 0.055 min

Lab File: VY007939.D

Acq: 19 Mar 2022 07:07

Instrument :

MSVOA_Y

ClientSampleId :

124019

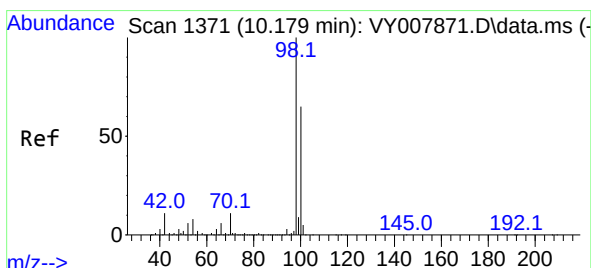
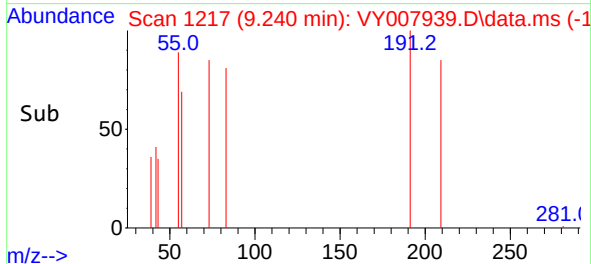
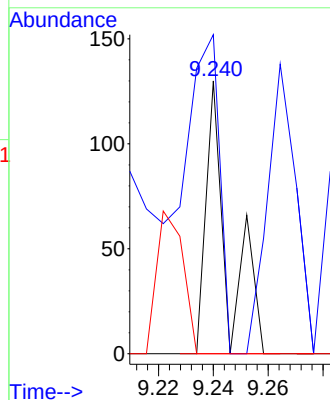
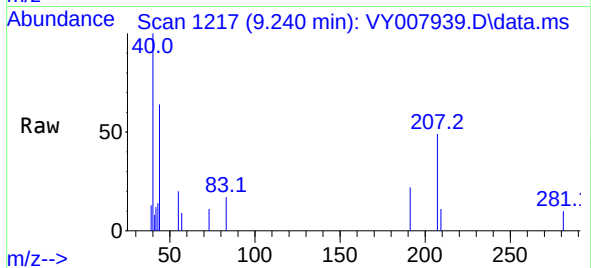
Tgt Ion: 83 Resp: 72

Ion Ratio Lower Upper

83 100

55 63.1 66.5 99.7#

98 0.0 37.9 56.9#



#50

Toluene-d8

Concen: 58.030 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY007939.D

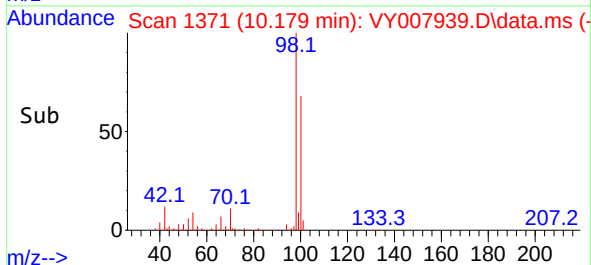
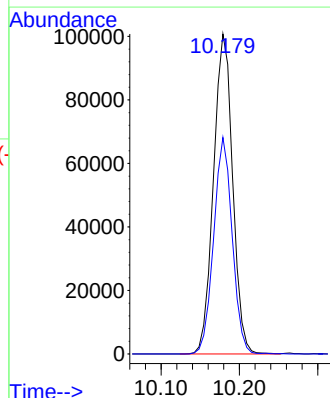
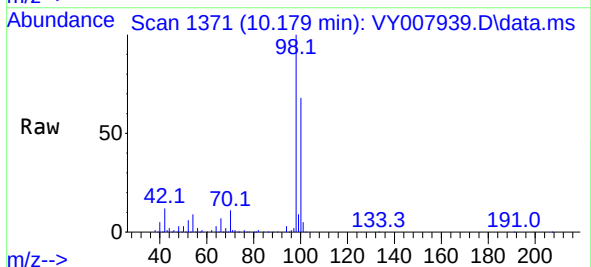
Acq: 19 Mar 2022 07:07

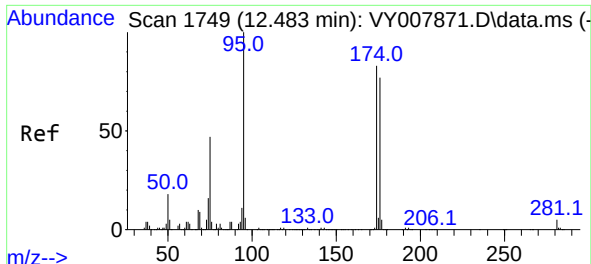
Tgt Ion: 98 Resp: 171226

Ion Ratio Lower Upper

98 100

100 65.5 50.2 75.2

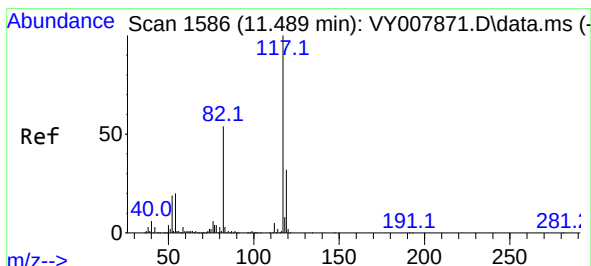
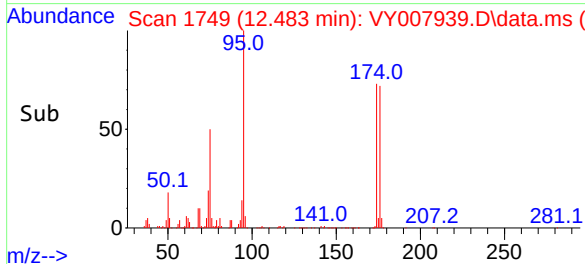
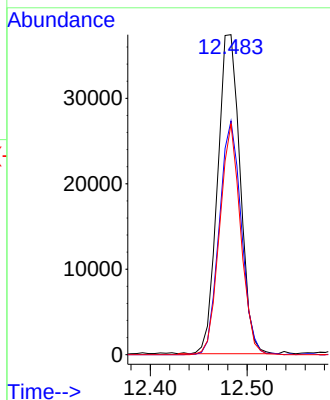
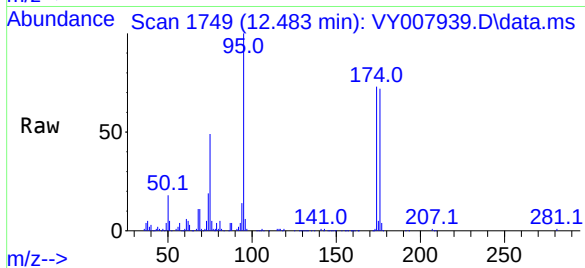




#62
4-Bromofluorobenzene
Concen: 42.408 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007939.D
Acq: 19 Mar 2022 07:07

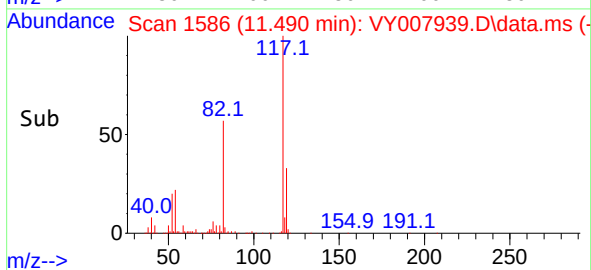
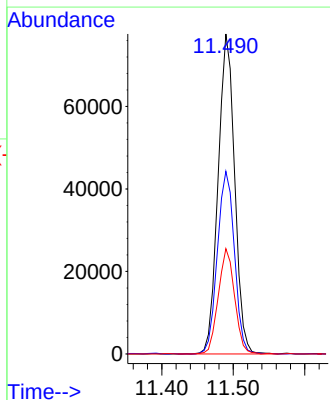
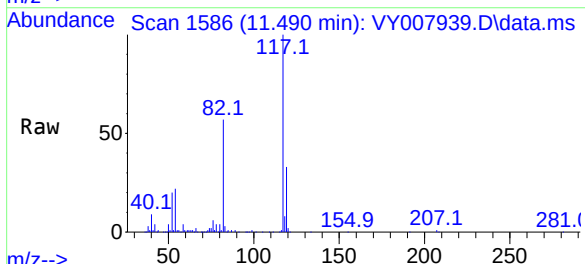
Instrument :
MSVOA_Y
ClientSampleId :
124019

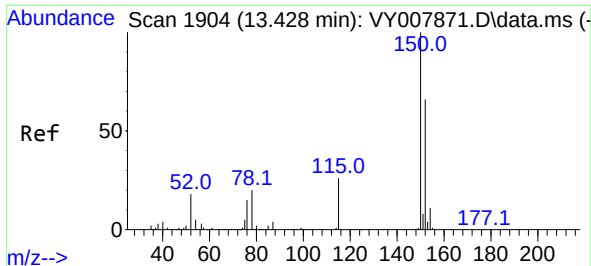
Tgt Ion: 95 Resp: 60460
Ion Ratio Lower Upper
95 100
174 71.5 0.0 177.0
176 67.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY007939.D
Acq: 19 Mar 2022 07:07

Tgt Ion: 117 Resp: 124909
Ion Ratio Lower Upper
117 100
82 57.1 43.0 64.4
119 32.9 25.4 38.0

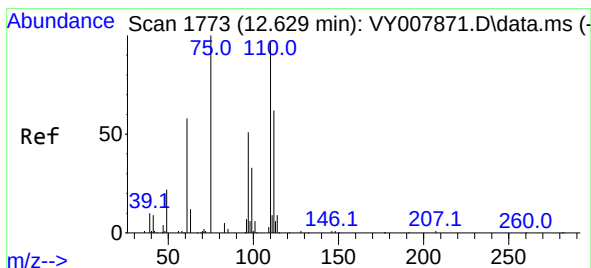
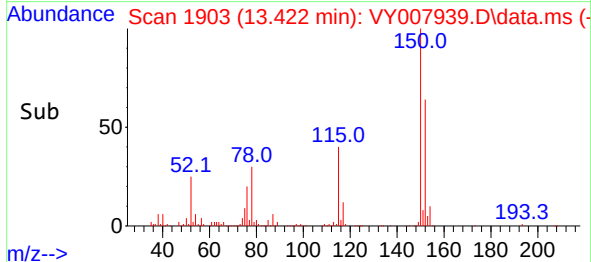
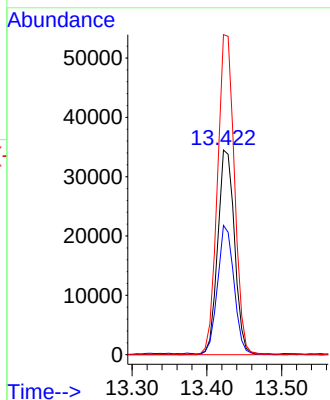
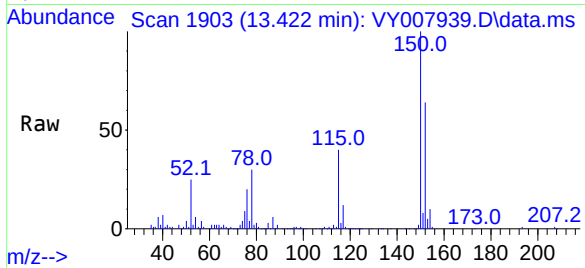




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY007939.D
Acq: 19 Mar 2022 07:07

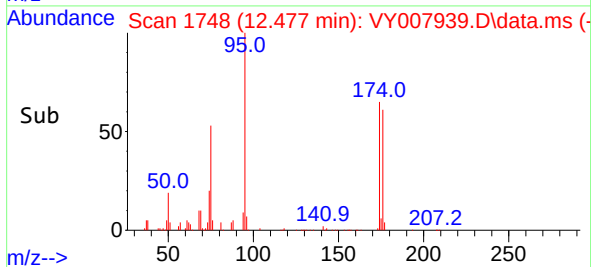
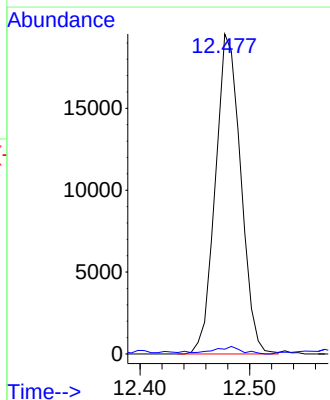
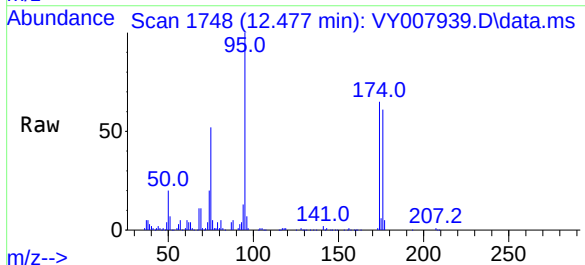
Instrument :
MSVOA_Y
ClientSampleId :
124019

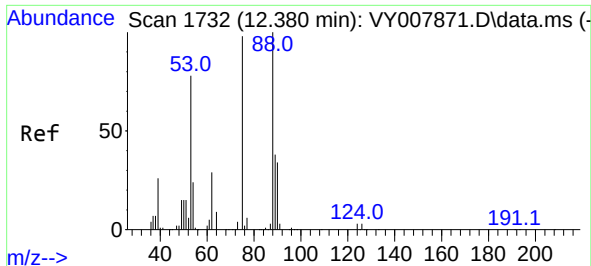
Tgt Ion:152 Resp: 53916
Ion Ratio Lower Upper
152 100
115 61.7 28.2 84.7
150 158.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 40.840 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY007939.D
Acq: 19 Mar 2022 07:07

Tgt Ion: 75 Resp: 31385
Ion Ratio Lower Upper
75 100
77 2.5 0.0 0.0#

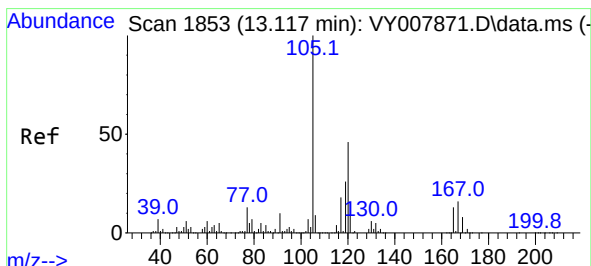
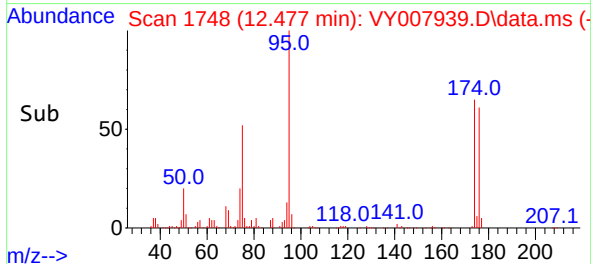
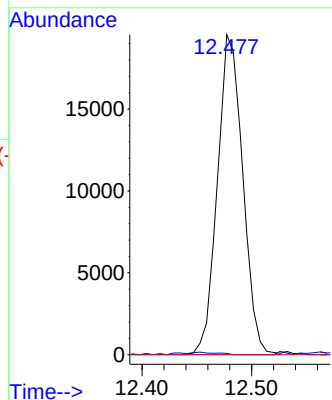
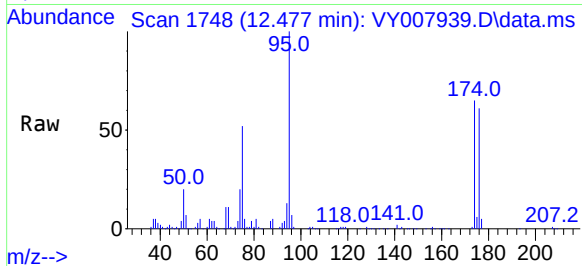




#81
trans-1,4-Dichloro-2-butene
Concen: 85.781 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY007939.D
Acq: 19 Mar 2022 07:07

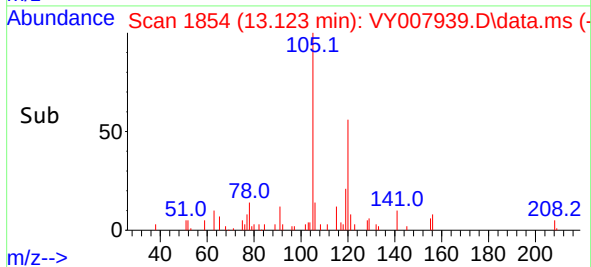
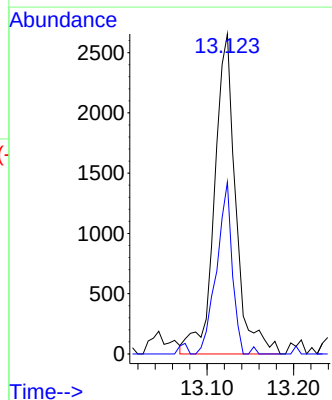
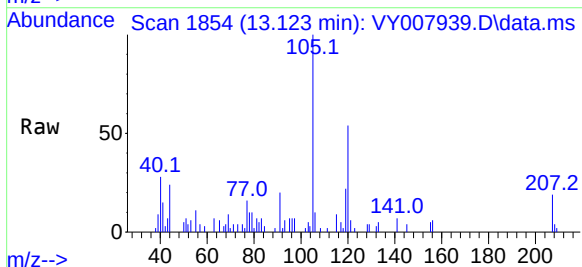
Instrument :
MSVOA_Y
ClientSampleId :
124019

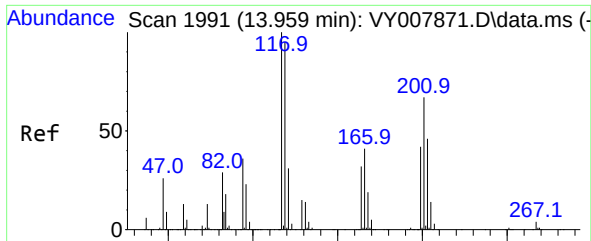
Tgt Ion: 75 Resp: 31385
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.187 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY007939.D
Acq: 19 Mar 2022 07:07

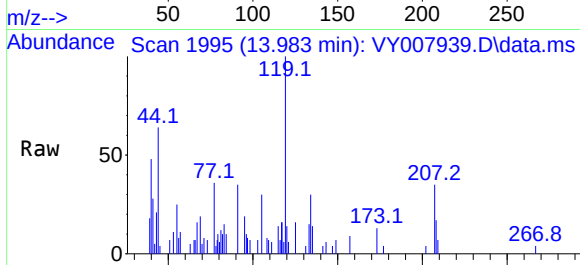
Tgt Ion: 105 Resp: 4540
Ion Ratio Lower Upper
105 100
120 39.0 22.3 66.9



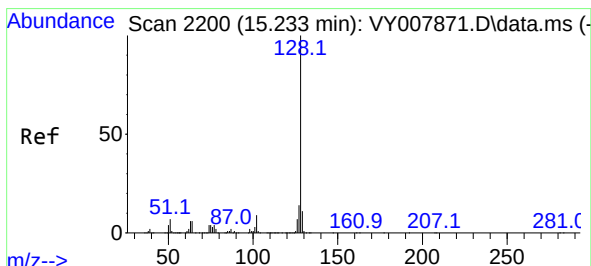
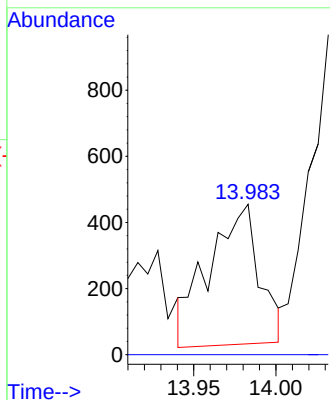
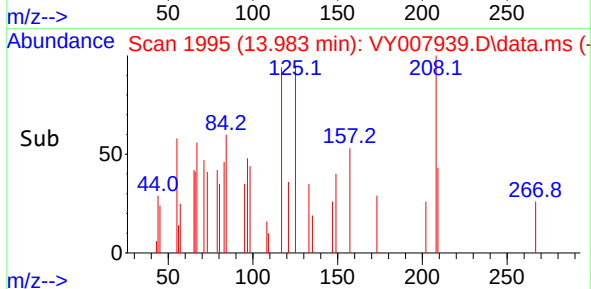


#90
Hexachloroethane
Concen: 1.068 ug/l
RT: 13.983 min Scan# 1995
Delta R.T. 0.018 min
Lab File: VY007939.D
Acq: 19 Mar 2022 07:07

Instrument :
MSVOA_Y
ClientSampleId :
124019



Tgt Ion:117 Resp: 906
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#95
Naphthalene
Concen: 4.522 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY007939.D
Acq: 19 Mar 2022 07:07

Tgt Ion:128 Resp: 12151
Ion Ratio Lower Upper
128 100
127 16.2 11.0 16.4
129 10.4 8.4 12.6

