

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007940.D
 Acq On : 19 Mar 2022 07:30
 Operator : SY/MD
 Sample : N1953-07
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 124055

Quant Time: Mar 21 03:22:05 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)

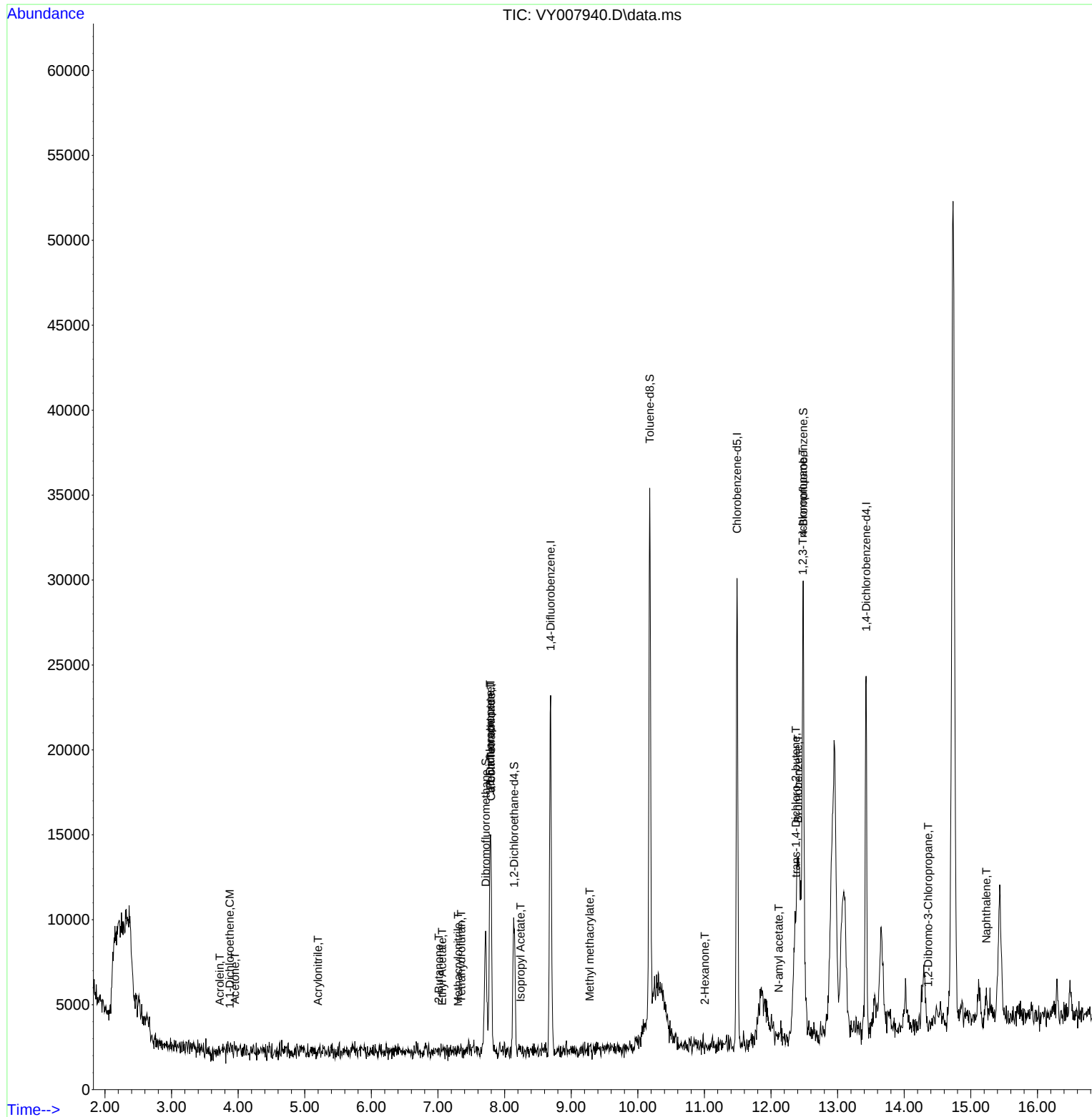
Internal Standards						
1) Pentafluorobenzene	7.789	168	9864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	17623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	14143	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	6120	54.415	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.840%			
35) Dibromofluoromethane	7.716	113	4525	36.561	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 73.120%			
50) Toluene-d8	10.179	98	20853	56.579	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 113.160%			
62) 4-Bromofluorobenzene	12.483	95	6719	37.827	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 75.660%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.162	85	88	Below Cal	#	43
4) Vinyl Chloride	2.247	62	263	Below Cal	#	43
5) Bromomethane	2.668	94	182	Below Cal		94
12) 1,1-Dichloroethene	3.875	96	239	2.231	ug/l #	1
13) Acrolein	3.723	56	46	5.829	ug/l #	14
15) Acrylonitrile	5.198	53	54	1.510	ug/l #	17
16) Acetone	3.954	43	309	10.357	ug/l #	47
18) Methyl Acetate	4.460	43	106	Below Cal	#	56
20) Methylene Chloride	4.698	84	273	Below Cal	#	43
25) 2-Butanone	7.015	43	348	7.282	ug/l #	54
29) Tetrahydrofuran	7.350	42	99	3.233	ug/l #	38
31) Cyclohexane	7.795	56	400	Below Cal	#	41
36) 1,1-Dichloropropene	7.783	75	451	2.457	ug/l #	46
37) Ethyl Acetate	7.063	43	146	1.303	ug/l #	72
38) Carbon Tetrachloride	7.795	117	1149	5.858	ug/l #	11
41) Methacrylonitrile	7.301	41	140	2.027	ug/l #	92
43) Isopropyl Acetate	8.240	43	382	1.769	ug/l #	56
48) Methyl methacrylate	9.276	41	126	1.312	ug/l #	22
59) 2-Hexanone	11.008	43	89	1.094	ug/l	65
74) N-amyl acetate	12.117	43	225	1.846	ug/l #	25
76) 1,2,3-Trichloropropane	12.477	75	3881	58.020	ug/l #	100
77) Bromobenzene	12.404	156	6496	68.816	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.373	75	140	4.396	ug/l #	42
92) 1,2-Dibromo-3-Chloropr...	14.361	75	20	1.307	ug/l #	6
95) Naphthalene	15.233	128	1321	5.648	ug/l #	81

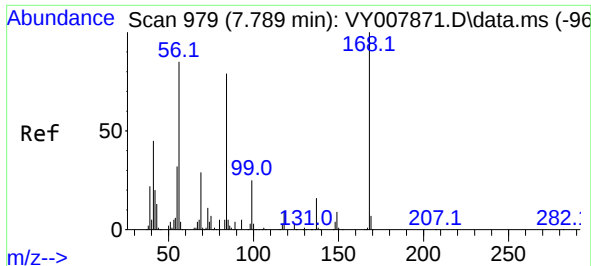
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
Data File : VY007940.D
Acq On : 19 Mar 2022 07:30
Operator : SY/MD
Sample : N1953-07
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 55 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
124055

Quant Time: Mar 21 03:22:05 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

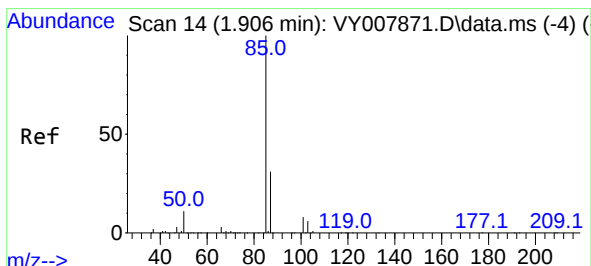
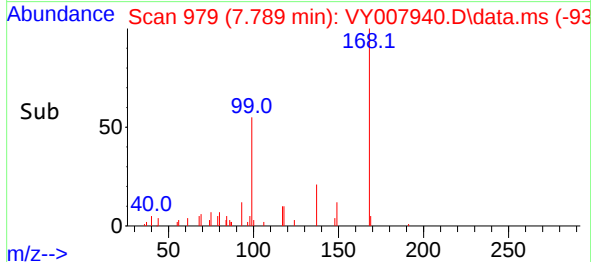
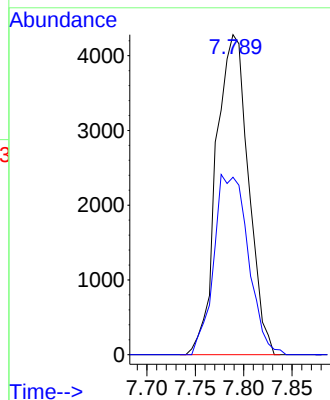
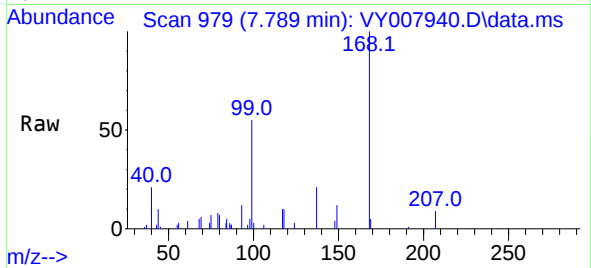




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

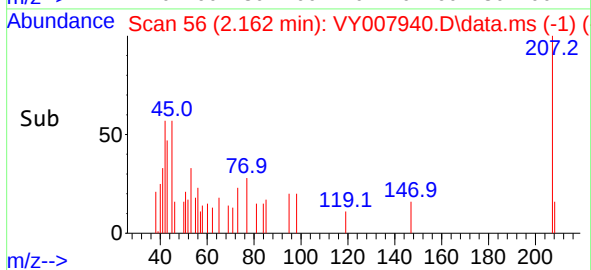
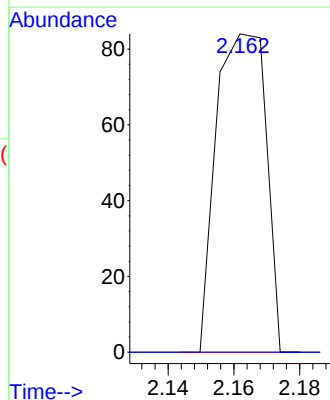
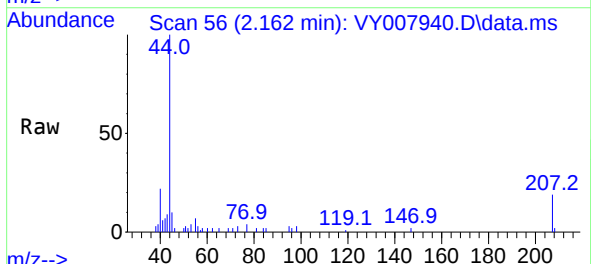
Instrument :
MSVOA_Y
ClientSampleId :
124055

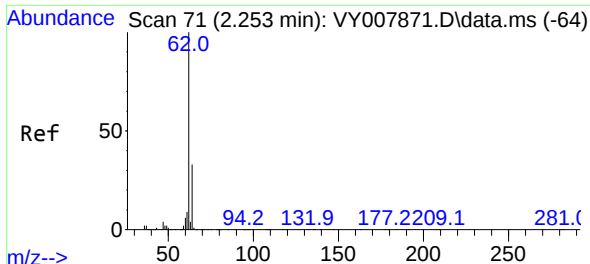
Tgt Ion:168 Resp: 9864
Ion Ratio Lower Upper
168 100
99 55.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.162 min Scan# 56
Delta R.T. 0.256 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

Tgt Ion: 85 Resp: 88
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

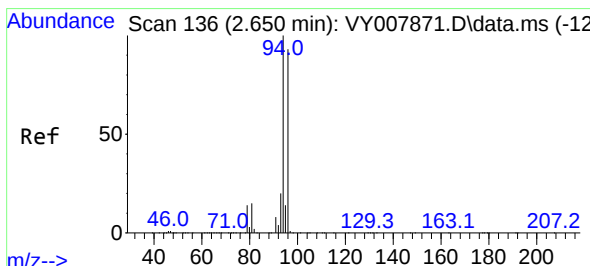
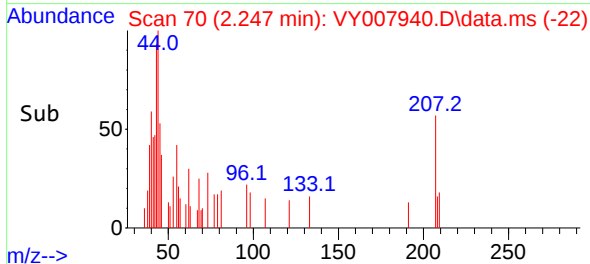
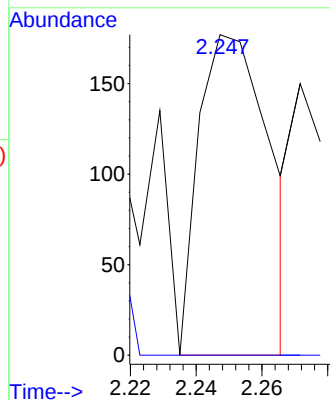
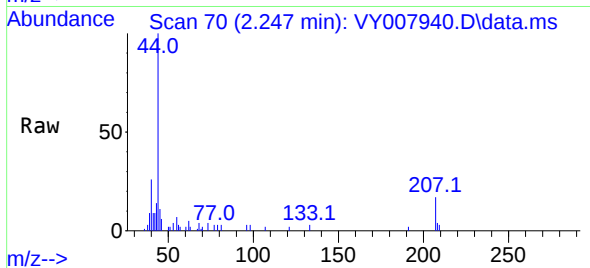




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.247 min Scan# 70
 Delta R.T. -0.006 min
 Lab File: VY007940.D
 Acq: 19 Mar 2022 07:30

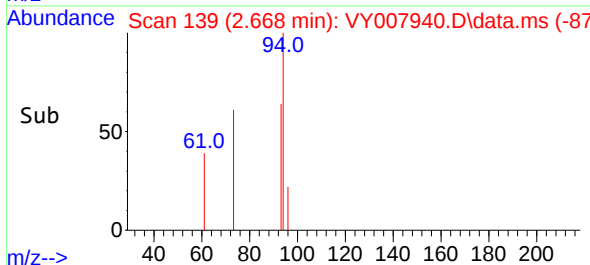
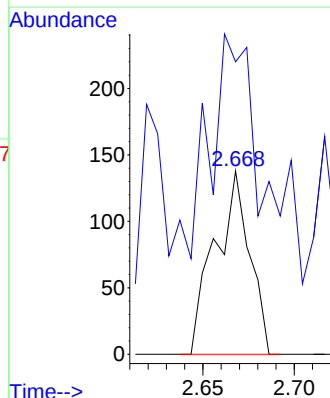
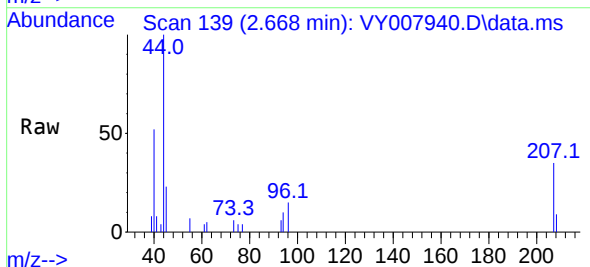
Instrument :
 MSVOA_Y
 ClientSampleId :
 124055

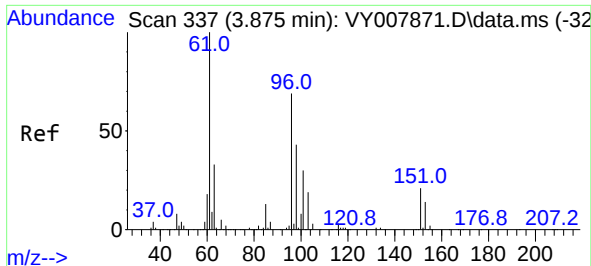
Tgt Ion: 62 Resp: 263
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.668 min Scan# 139
 Delta R.T. 0.018 min
 Lab File: VY007940.D
 Acq: 19 Mar 2022 07:30

Tgt Ion: 94 Resp: 182
 Ion Ratio Lower Upper
 94 100
 96 86.2 73.5 110.3

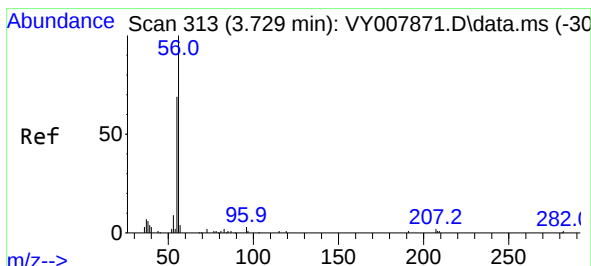
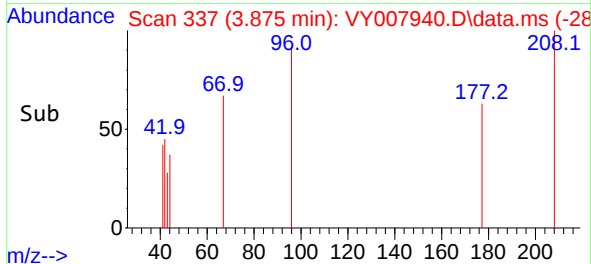
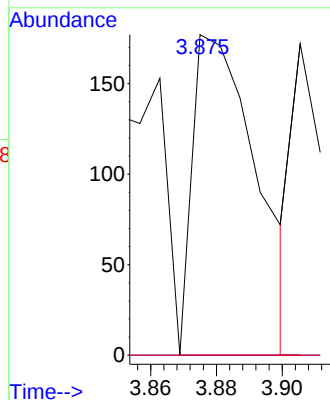
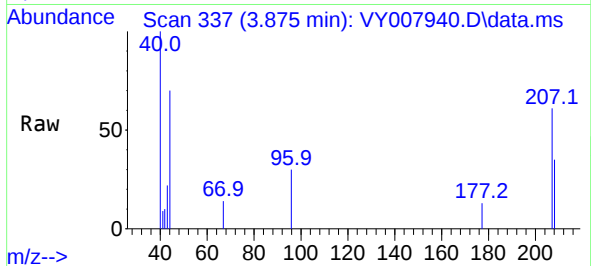




#12
1,1-Dichloroethene
Concen: 2.231 ug/l
RT: 3.875 min Scan# 312
Delta R.T. -0.000 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

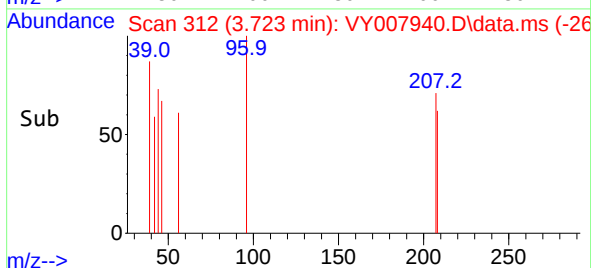
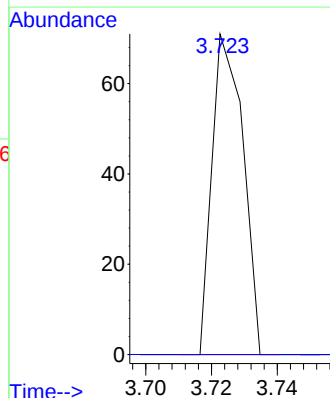
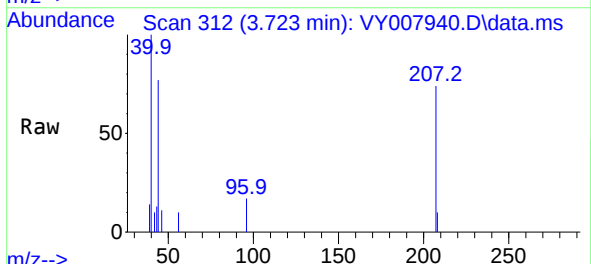
Instrument :
MSVOA_Y
ClientSampleId :
124055

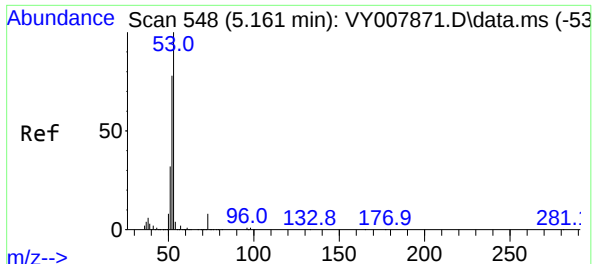
Tgt Ion: 96 Resp: 239
Ion Ratio Lower Upper
96 100
61 0.0 145.8 218.6#
98 0.0 52.5 78.7#



#13
Acrolein
Concen: 5.829 ug/l
RT: 3.723 min Scan# 312
Delta R.T. -0.006 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

Tgt Ion: 56 Resp: 46
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#





#15

Acrylonitrile

Concen: 1.510 ug/l

RT: 5.198 min Scan# 51

Delta R.T. 0.036 min

Lab File: VY007940.D

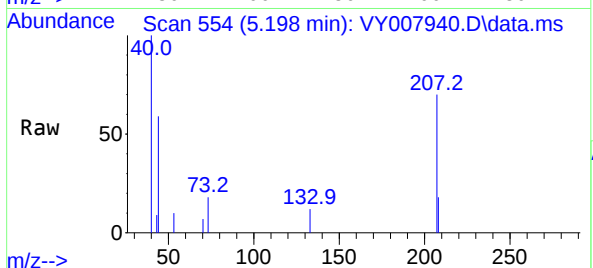
Acq: 19 Mar 2022 07:30

Instrument :

MSVOA_Y

ClientSampleId :

124055



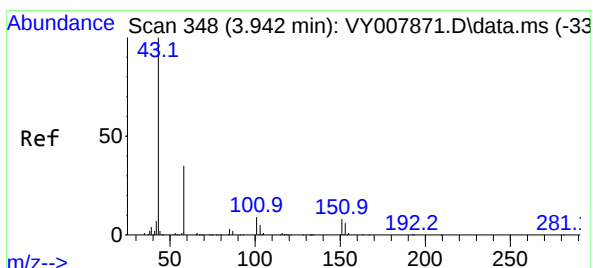
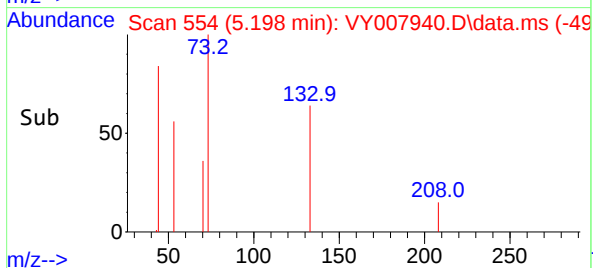
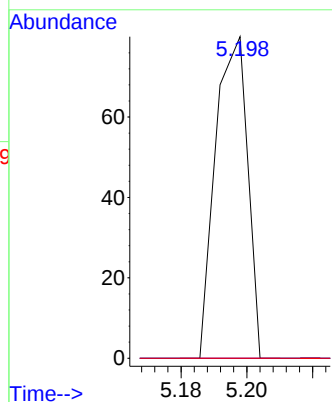
Tgt Ion: 53 Resp: 54

Ion Ratio Lower Upper

53 100

52 0.0 67.0 100.4#

51 0.0 29.8 44.6#



#16

Acetone

Concen: 10.357 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY007940.D

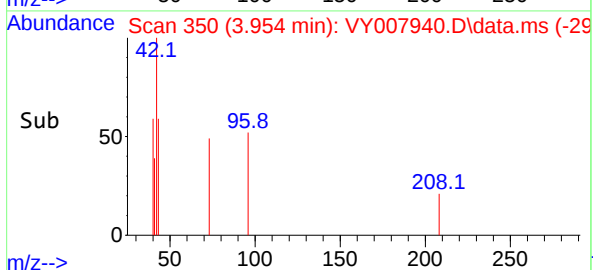
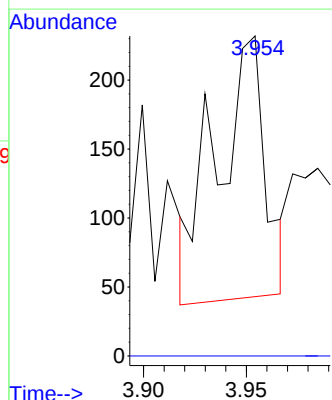
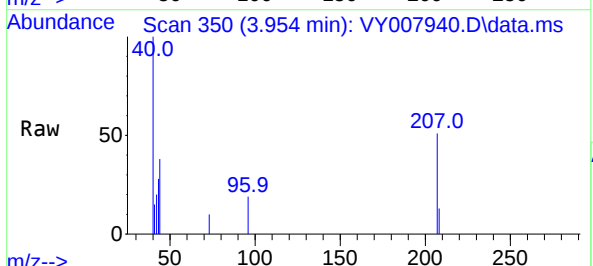
Acq: 19 Mar 2022 07:30

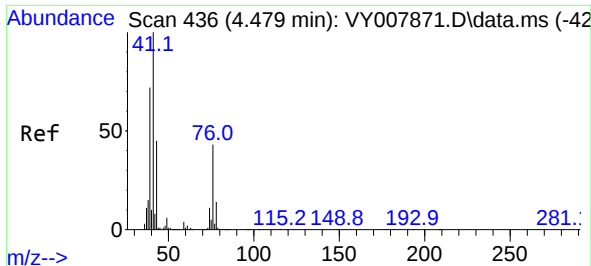
Tgt Ion: 43 Resp: 309

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#

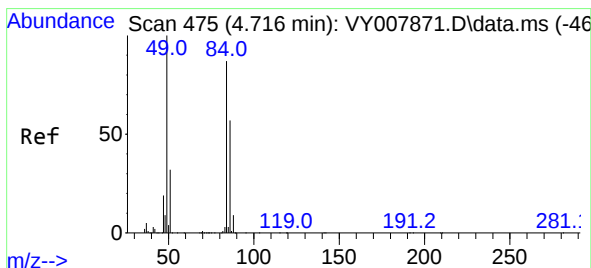
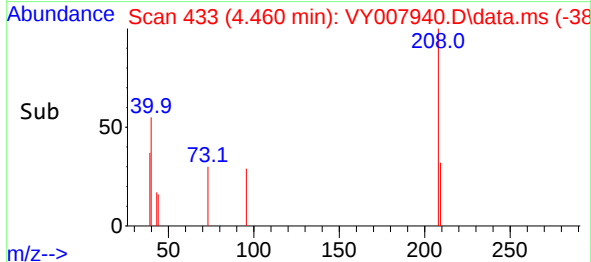
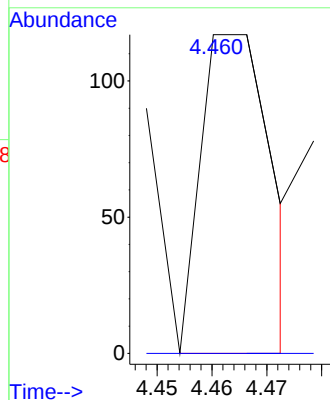
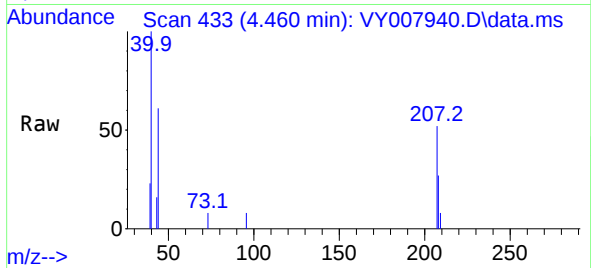




#18
Methyl Acetate
Concen: Below Cal
RT: 4.460 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

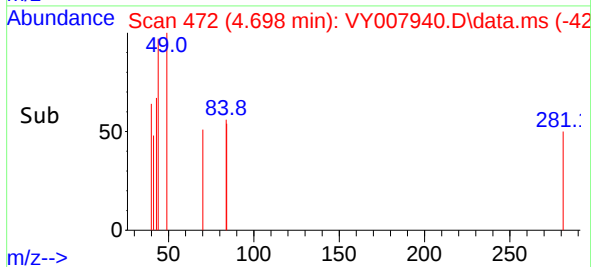
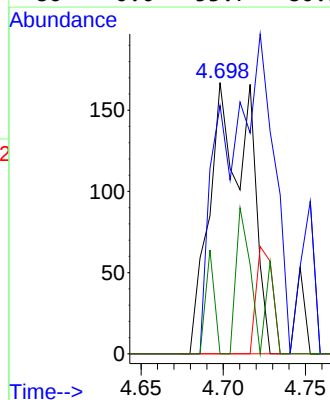
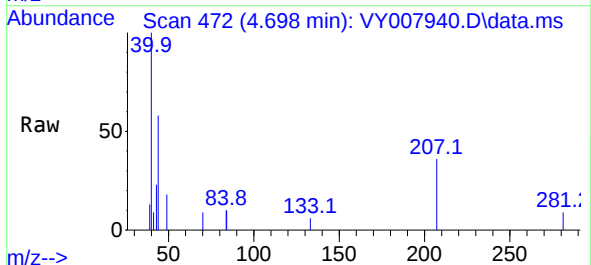
Instrument :
MSVOA_Y
ClientSampleId :
124055

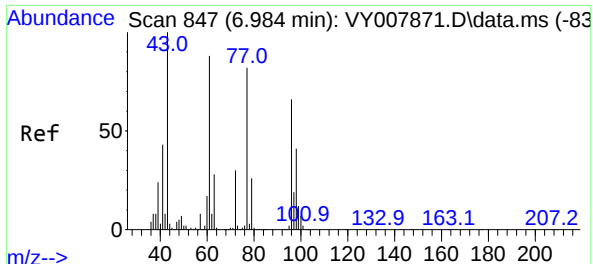
Tgt Ion: 43 Resp: 106
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 472
Delta R.T. -0.018 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

Tgt Ion: 84 Resp: 273
Ion Ratio Lower Upper
84 100
49 91.6 114.4 171.6#
51 0.0 35.3 52.9#
86 0.0 53.7 80.5#





#25

2-Butanone

Concen: 7.282 ug/l

RT: 7.015 min Scan# 81

Delta R.T. 0.030 min

Lab File: VY007940.D

Acq: 19 Mar 2022 07:30

Instrument :

MSVOA_Y

ClientSampleId :

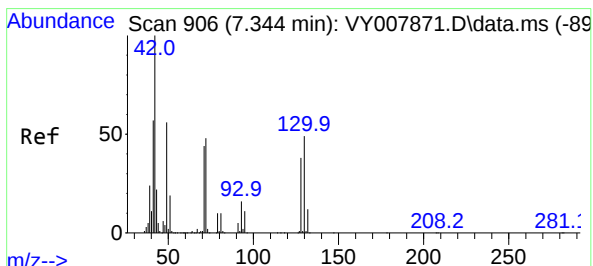
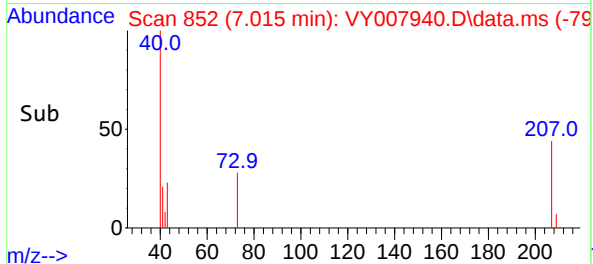
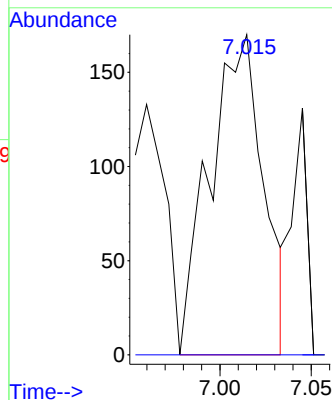
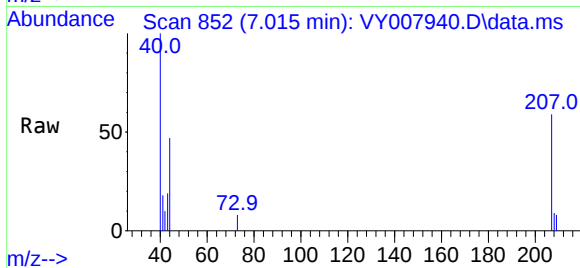
124055

Tgt Ion: 43 Resp: 348

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#29

Tetrahydrofuran

Concen: 3.233 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY007940.D

Acq: 19 Mar 2022 07:30

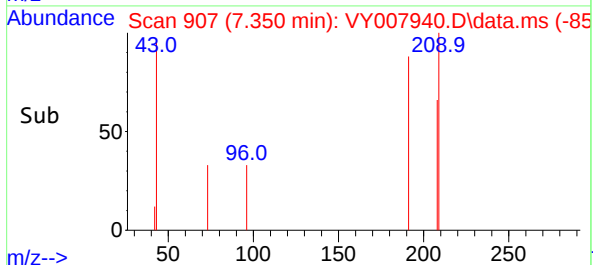
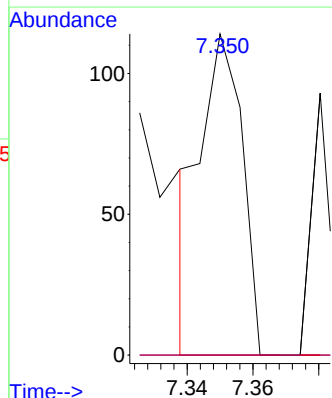
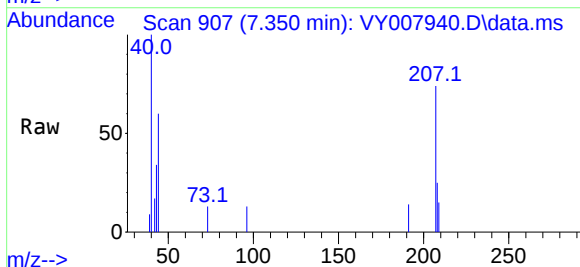
Tgt Ion: 42 Resp: 99

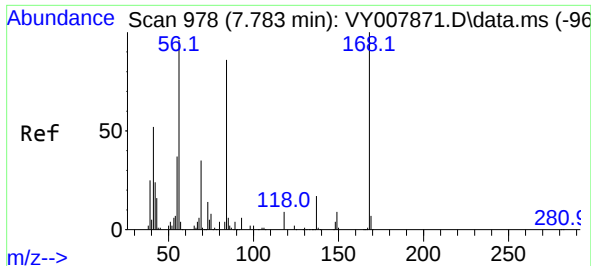
Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

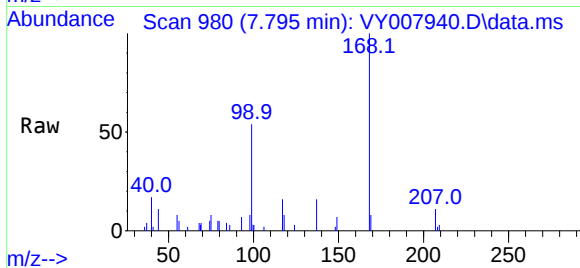
71 0.0 29.0 43.4#



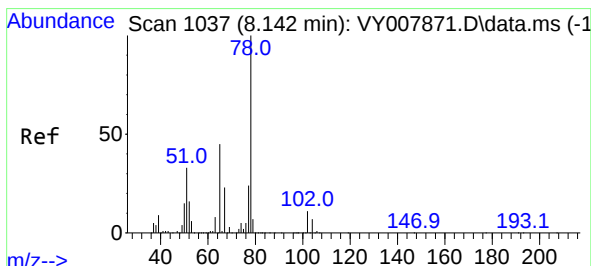
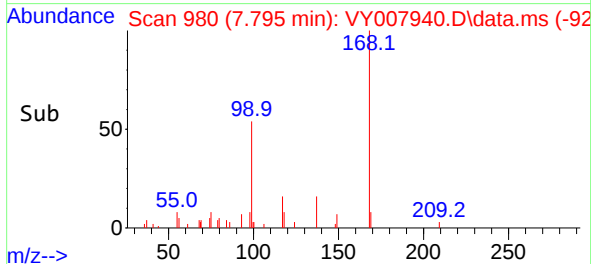
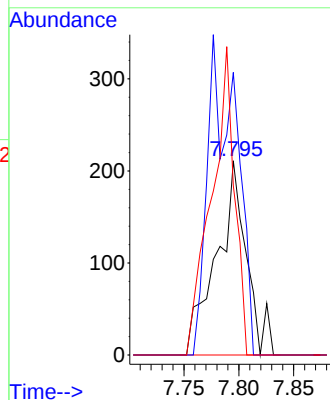


#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

Instrument :
MSVOA_Y
ClientSampleId :
124055

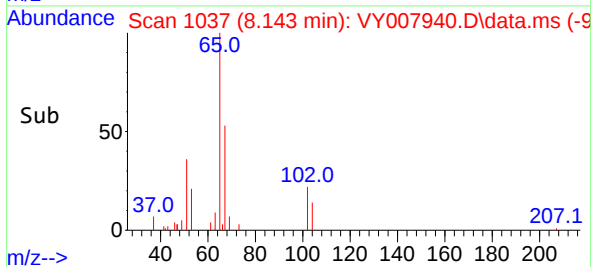
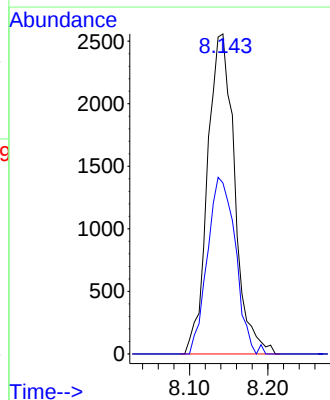
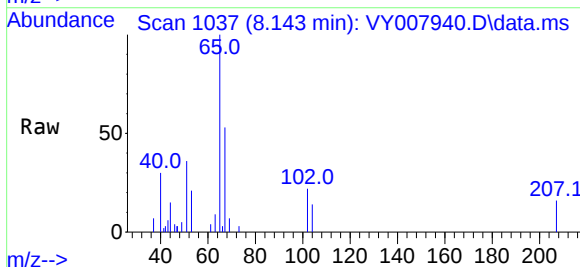


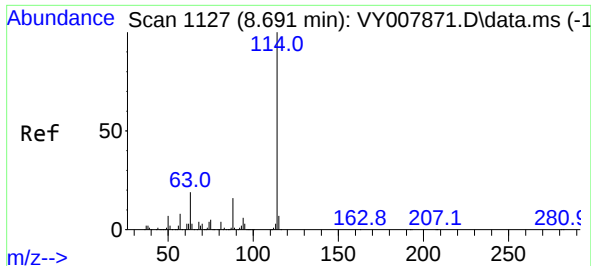
Tgt Ion: 56 Resp: 400
Ion Ratio Lower Upper
56 100
69 145.5 26.7 40.1#
84 87.2 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 54.415 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

Tgt Ion: 65 Resp: 6120
Ion Ratio Lower Upper
65 100
67 57.1 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: VY007940.D

Acq: 19 Mar 2022 07:30

Instrument :

MSVOA_Y

ClientSampleId :

124055

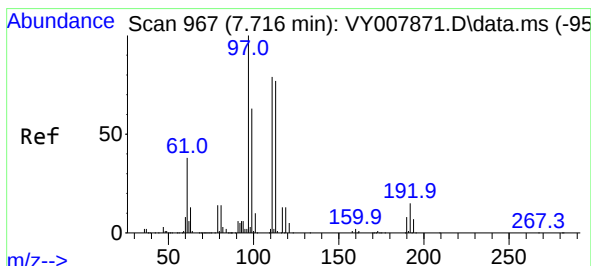
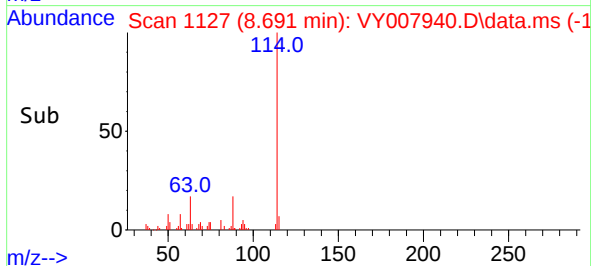
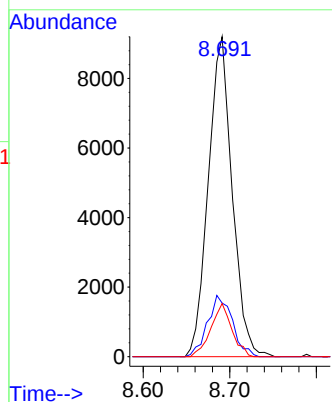
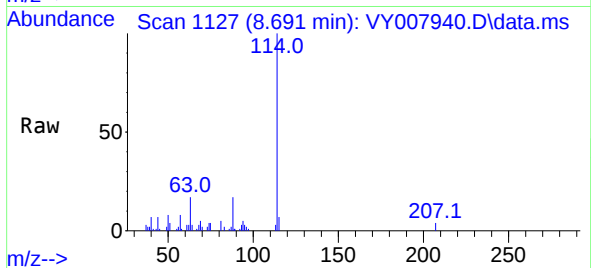
Tgt Ion:114 Resp: 17623

Ion Ratio Lower Upper

114 100

63 16.8 0.0 43.2

88 16.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 36.561 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007940.D

Acq: 19 Mar 2022 07:30

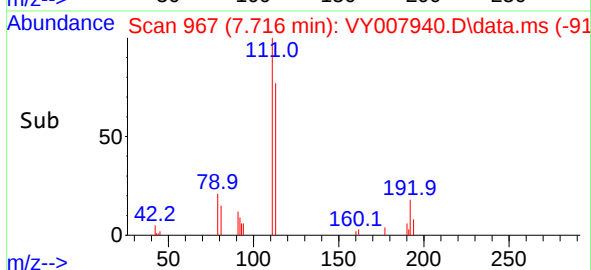
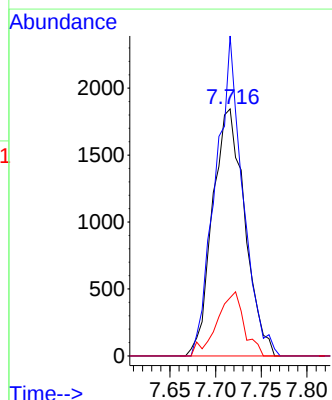
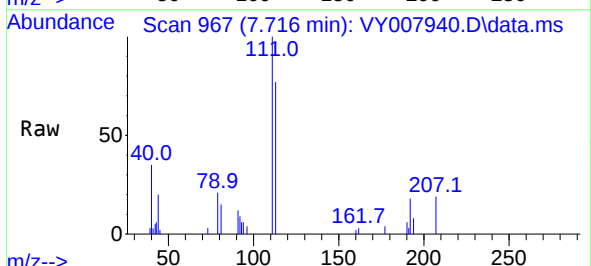
Tgt Ion:113 Resp: 4525

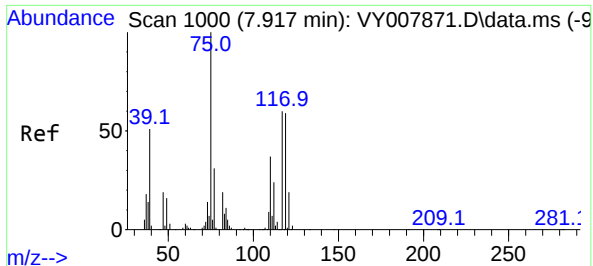
Ion Ratio Lower Upper

113 100

111 109.6 82.6 124.0

192 21.8 17.6 26.4

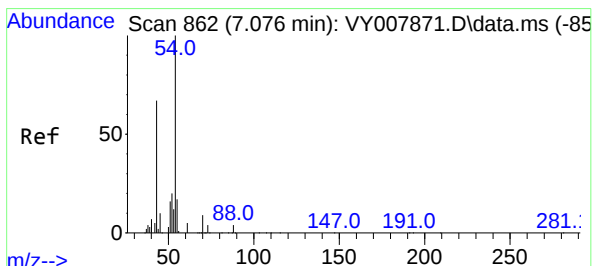
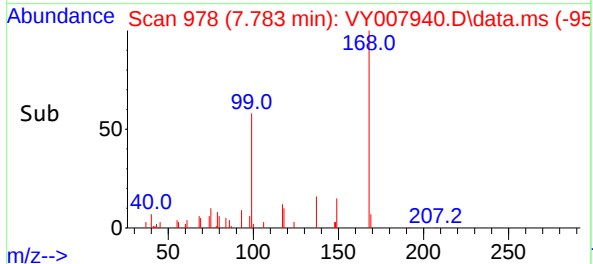
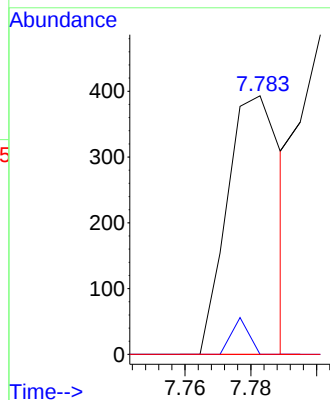
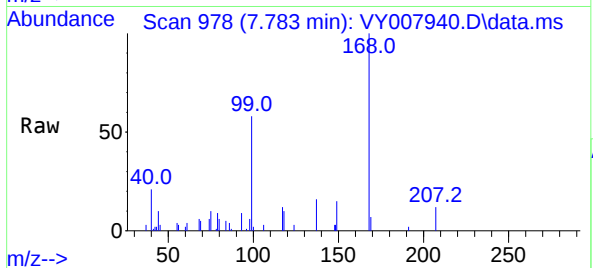




#36
1,1-Dichloropropene
Concen: 2.457 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

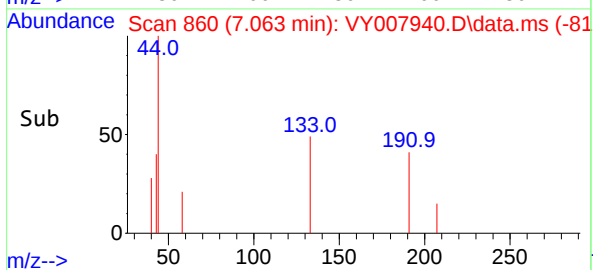
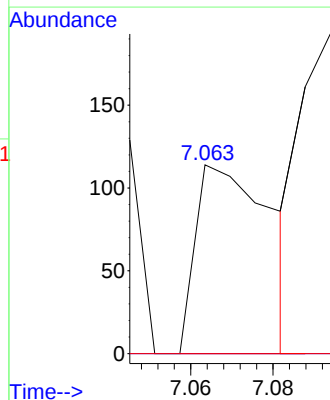
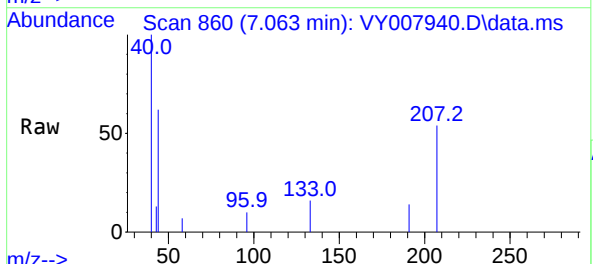
Instrument :
MSVOA_Y
ClientSampleId :
124055

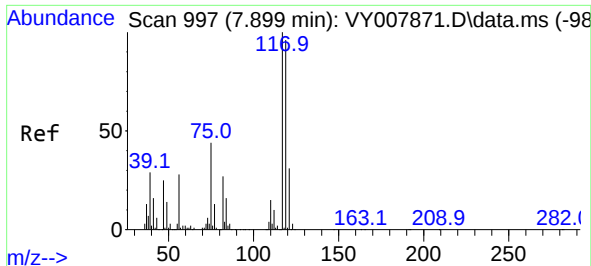
Tgt Ion: 75 Resp: 451
Ion Ratio Lower Upper
75 100
110 4.4 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.303 ug/l
RT: 7.063 min Scan# 860
Delta R.T. -0.006 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

Tgt Ion: 43 Resp: 146
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#

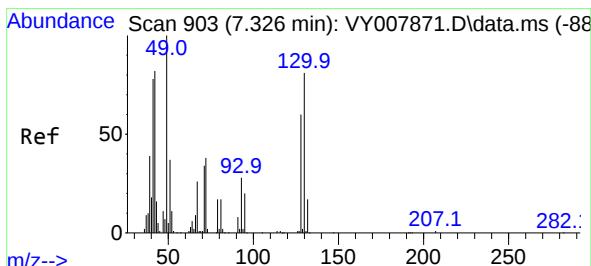
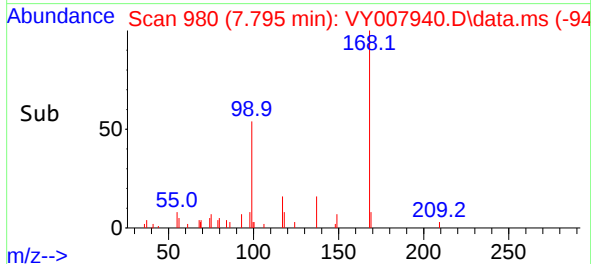
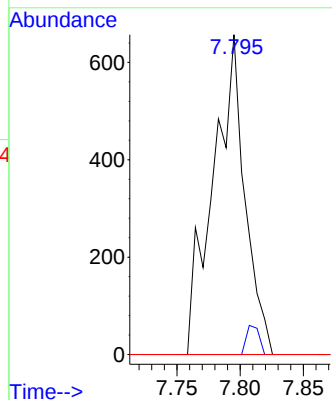
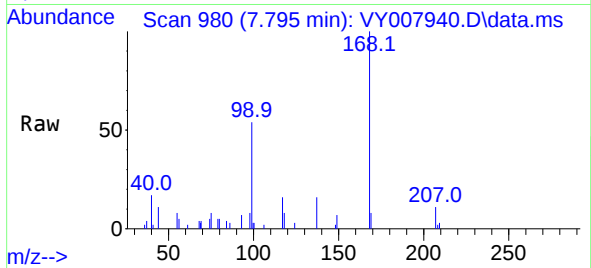




#38
Carbon Tetrachloride
Concen: 5.858 ug/l
RT: 7.795 min Scan# 911
Delta R.T. -0.104 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

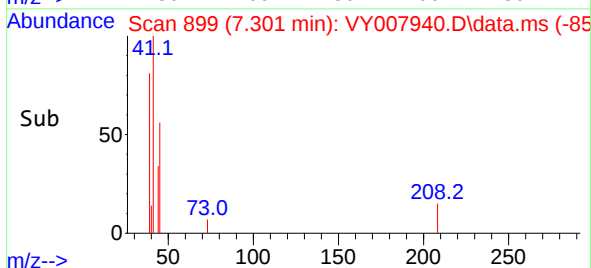
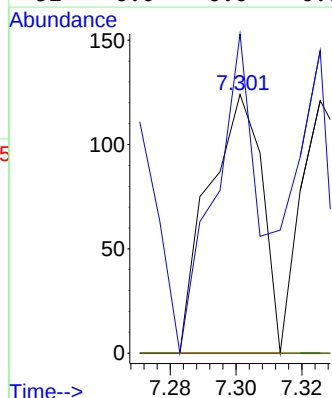
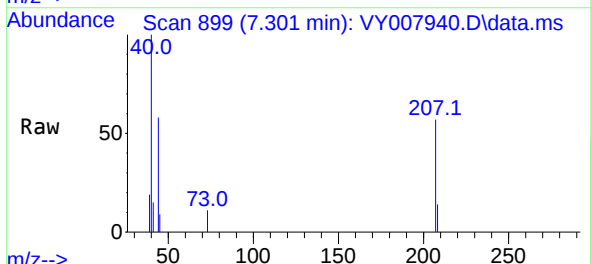
Instrument :
MSVOA_Y
ClientSampleId :
124055

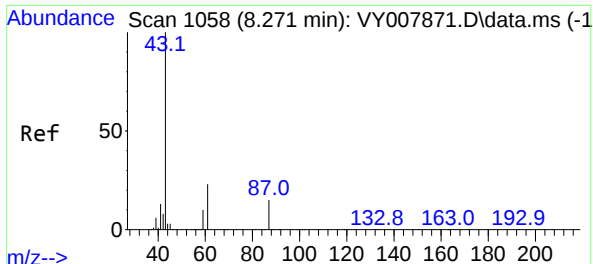
Tgt Ion:117 Resp: 1149
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 2.027 ug/l
RT: 7.301 min Scan# 899
Delta R.T. -0.006 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

Tgt Ion: 41 Resp: 140
Ion Ratio Lower Upper
41 100
39 107.1 92.9 139.3
67 0.0 0.0 0.0
52 0.0 0.0 0.0

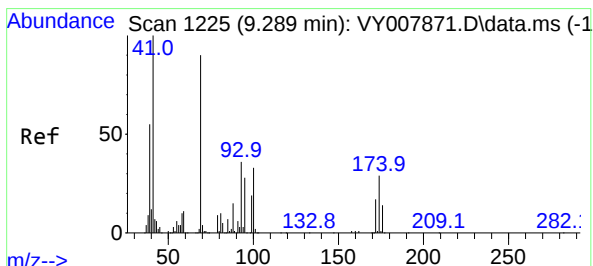
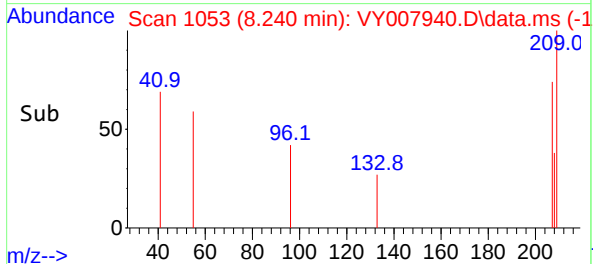
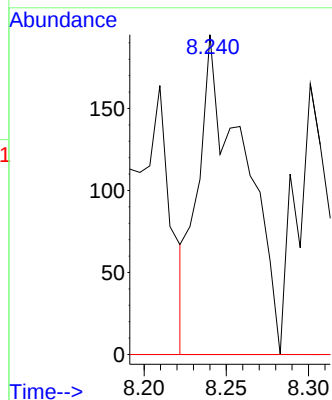
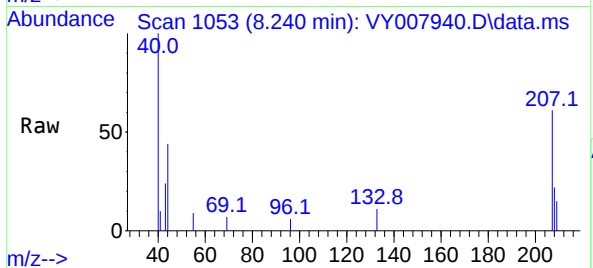




#43
Isopropyl Acetate
Concen: 1.769 ug/l
RT: 8.240 min Scan# 1053
Delta R.T. -0.031 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

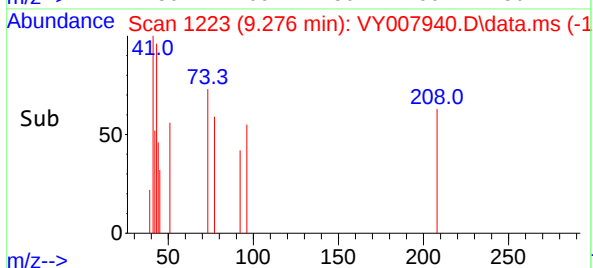
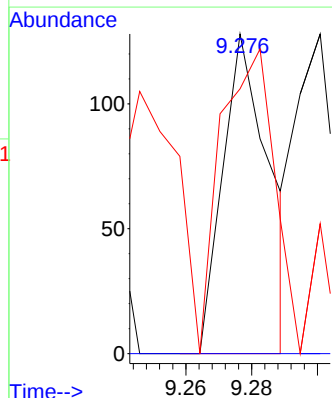
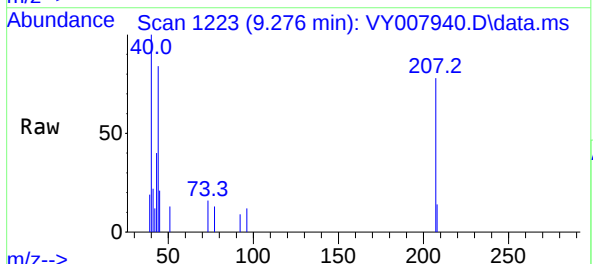
Instrument :
MSVOA_Y
ClientSampleId :
124055

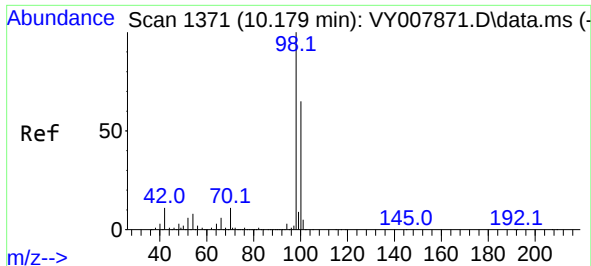
Tgt Ion: 43 Resp: 382
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 0.0 8.9 13.3#



#48
Methyl methacrylate
Concen: 1.312 ug/l
RT: 9.276 min Scan# 1223
Delta R.T. -0.012 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

Tgt Ion: 41 Resp: 126
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 109.5 47.4 71.0#

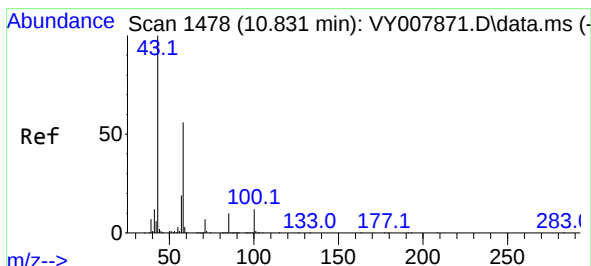
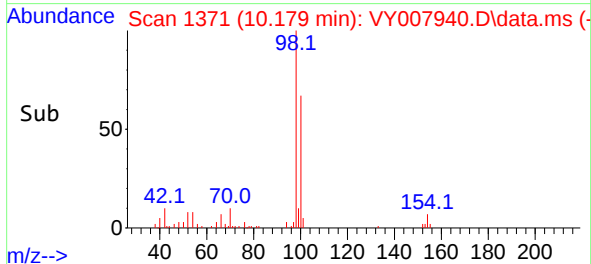
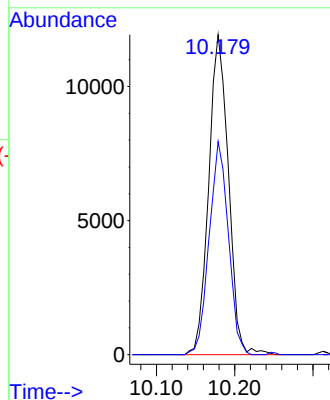
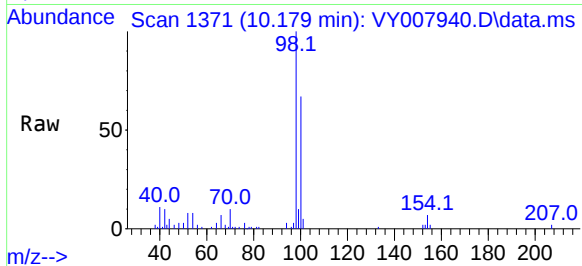




#50
Toluene-d8
Concen: 56.579 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

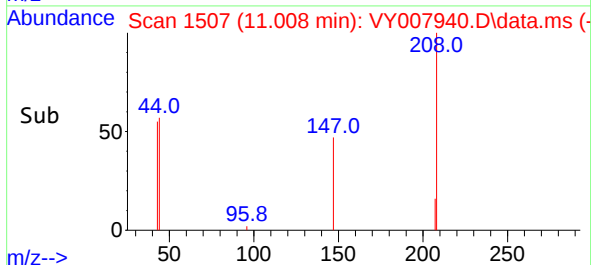
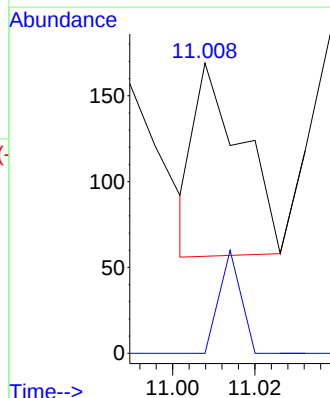
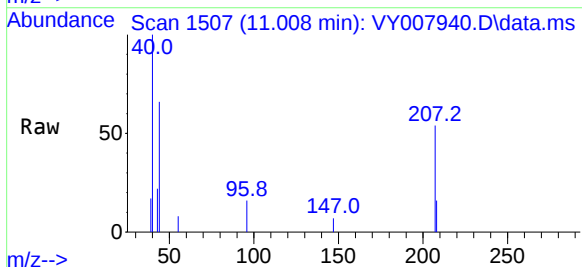
Instrument :
MSVOA_Y
ClientSampleId :
124055

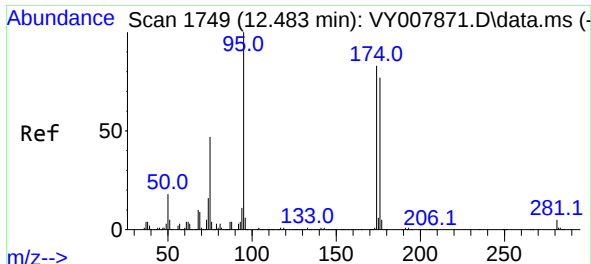
Tgt Ion: 98 Resp: 20853
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#59
2-Hexanone
Concen: 1.094 ug/l
RT: 11.008 min Scan# 1507
Delta R.T. 0.177 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

Tgt Ion: 43 Resp: 89
Ion Ratio Lower Upper
43 100
58 24.7 24.4 73.4

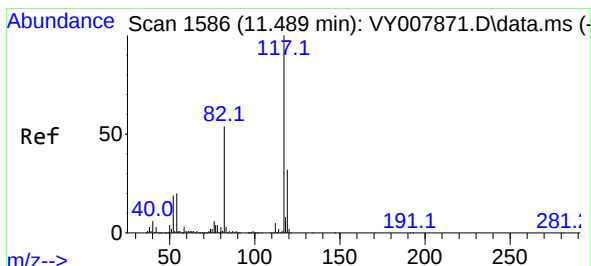
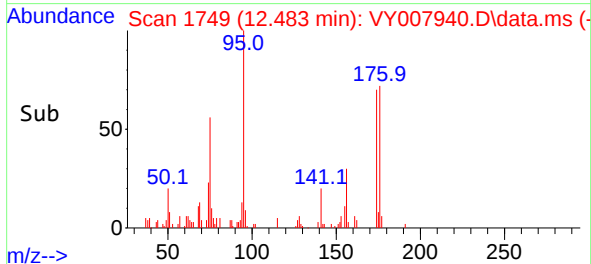
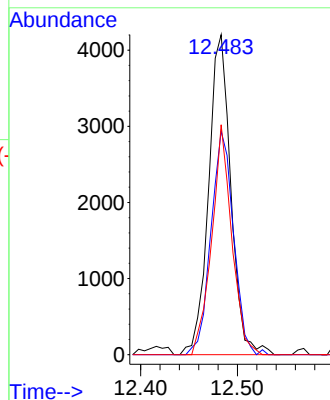
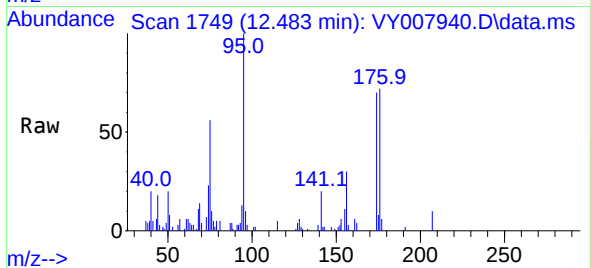




#62
4-Bromofluorobenzene
Concen: 37.827 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

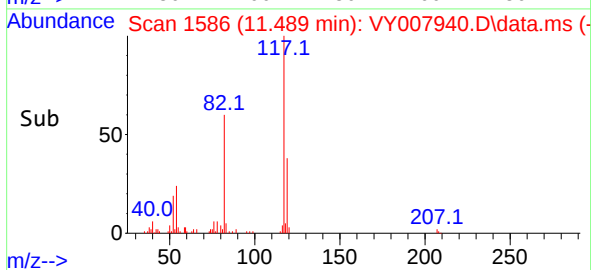
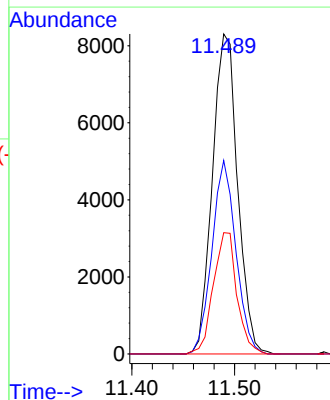
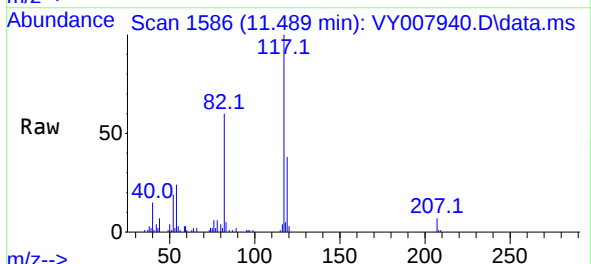
Instrument :
MSVOA_Y
ClientSampleId :
124055

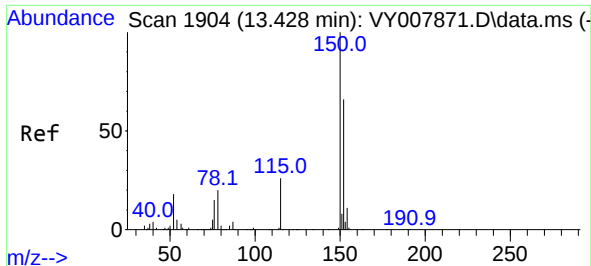
Tgt Ion: 95 Resp: 6719
Ion Ratio Lower Upper
95 100
174 70.7 0.0 177.0
176 64.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

Tgt Ion: 117 Resp: 14143
Ion Ratio Lower Upper
117 100
82 60.5 43.0 64.4
119 37.9 25.4 38.0

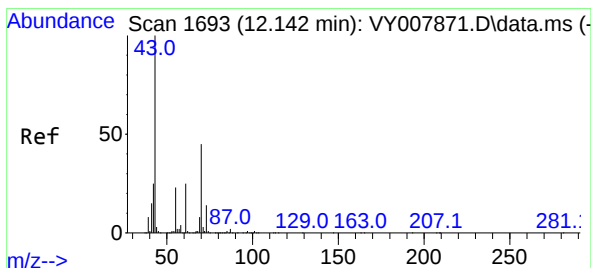
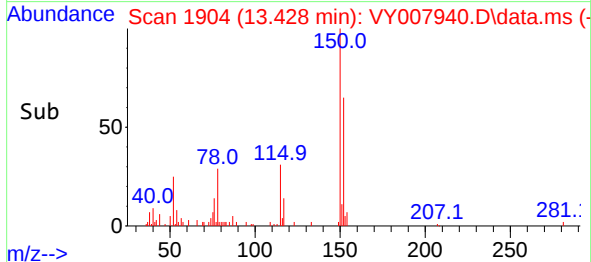
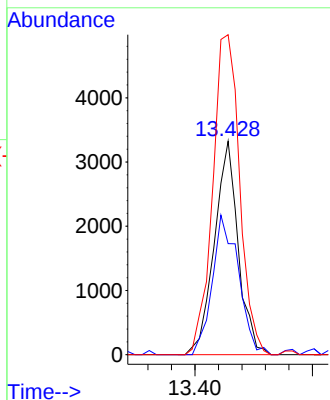
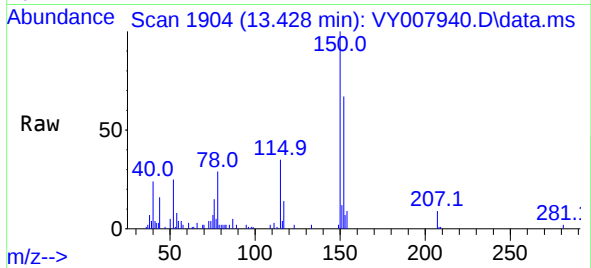




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

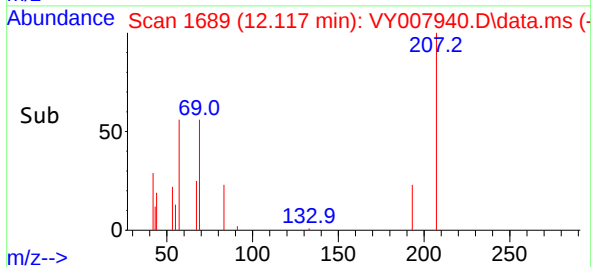
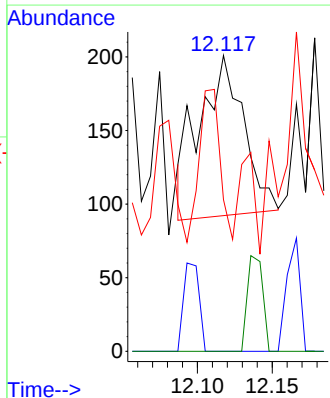
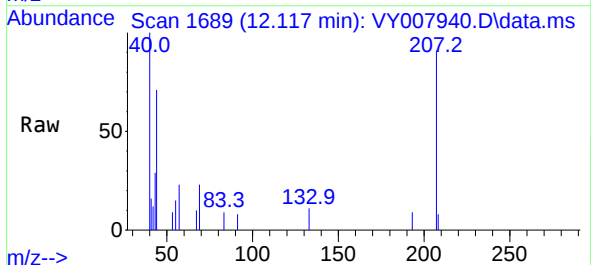
Instrument :
MSVOA_Y
ClientSampleId :
124055

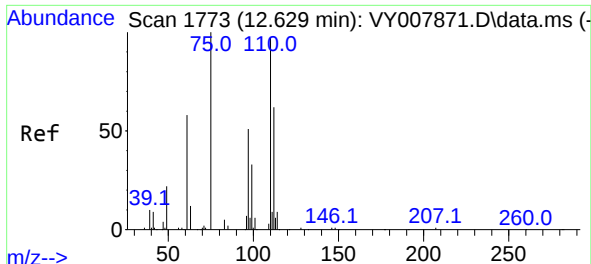
Tgt Ion:152 Resp: 4693
Ion Ratio Lower Upper
152 100
115 71.7 28.2 84.7
150 169.4 0.0 347.6



#74
N-ethyl acetate
Concen: 1.846 ug/l
RT: 12.117 min Scan# 1689
Delta R.T. -0.025 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

Tgt Ion: 43 Resp: 225
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 81.3 17.3 25.9#
61 0.0 17.0 25.6#

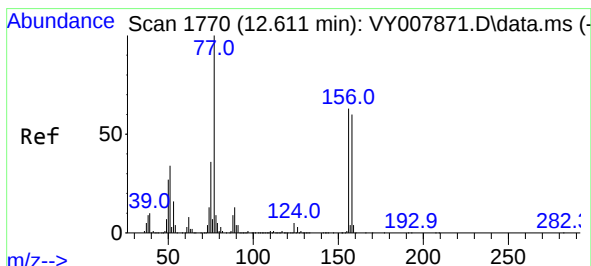
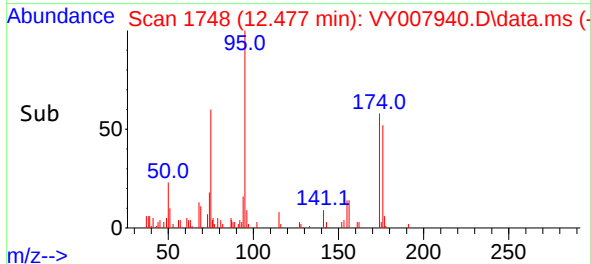
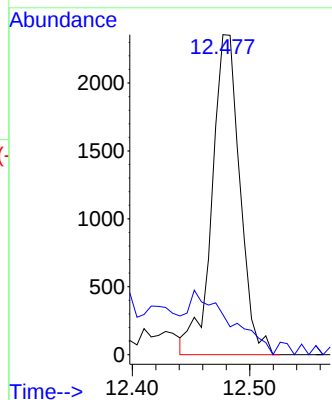
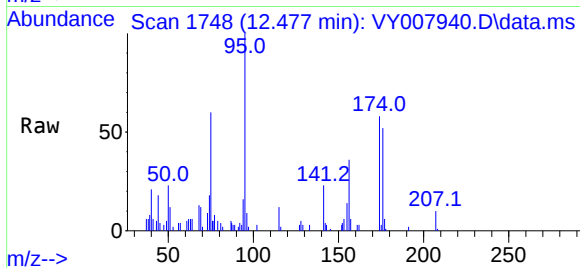




#76
1,2,3-Trichloropropane
Concen: 58.020 ug/l
RT: 12.477 min Scan# 1735
Delta R.T. -0.159 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

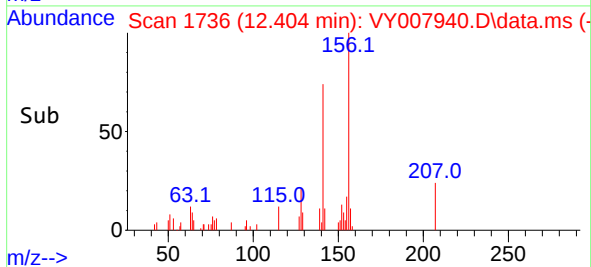
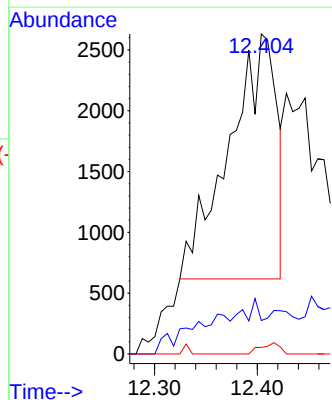
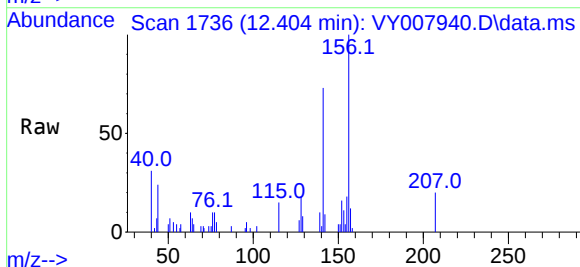
Instrument :
MSVOA_Y
ClientSampleId :
124055

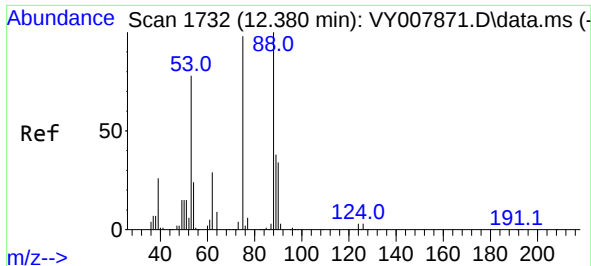
Tgt Ion: 75 Resp: 3881
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 68.816 ug/l
RT: 12.404 min Scan# 1736
Delta R.T. -0.207 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

Tgt Ion:156 Resp: 6496
Ion Ratio Lower Upper
156 100
77 2.1 95.5 286.4#
158 1.8 48.0 144.0#

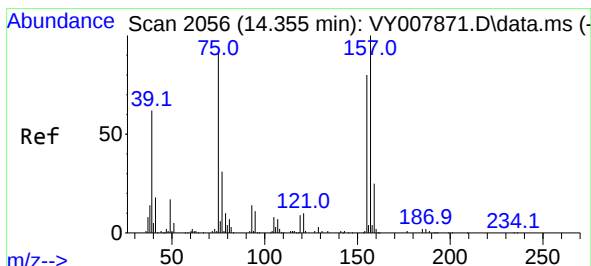
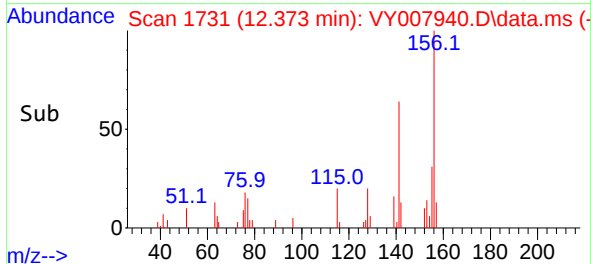
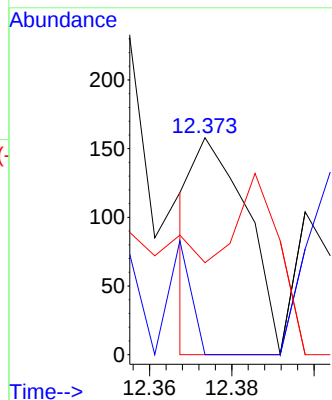
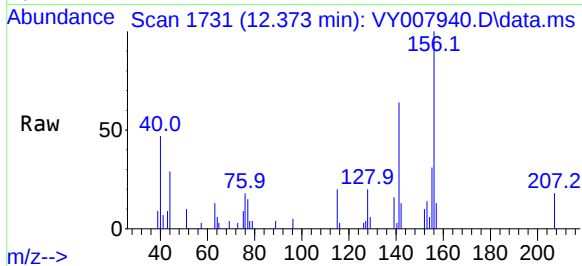




#81
trans-1,4-Dichloro-2-butene
Concen: 4.396 ug/l
RT: 12.373 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

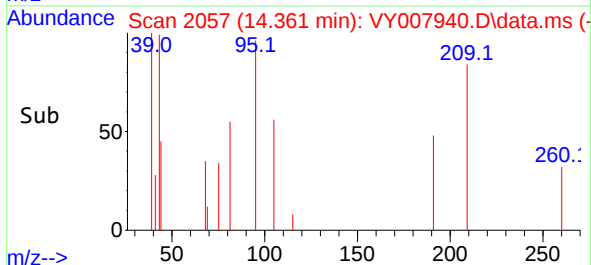
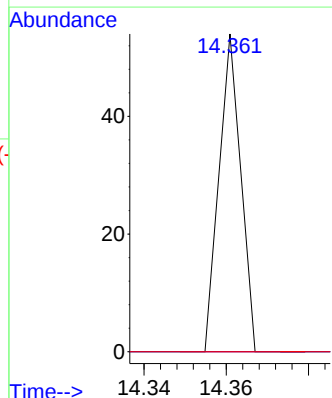
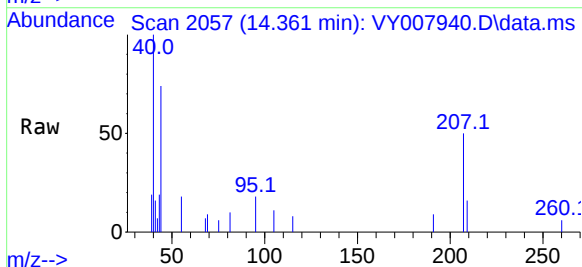
Instrument :
MSVOA_Y
ClientSampleId :
124055

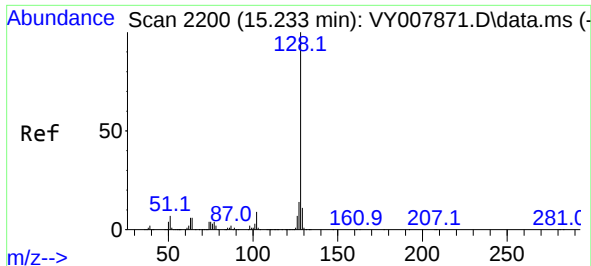
Tgt Ion: 75 Resp: 140
Ion Ratio Lower Upper
75 100
53 41.4 85.3 127.9#
89 77.1 37.0 55.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.307 ug/l
RT: 14.361 min Scan# 2057
Delta R.T. 0.006 min
Lab File: VY007940.D
Acq: 19 Mar 2022 07:30

Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 0.0 47.8 143.3#





#95

Naphthalene

Concen: 5.648 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY007940.D

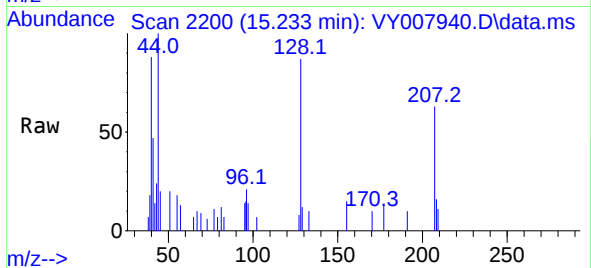
Acq: 19 Mar 2022 07:30

Instrument :

MSVOA_Y

ClientSampleId :

124055



Tgt Ion:128 Resp: 1321

Ion Ratio Lower Upper

128 100

127 1.7 11.0 16.4#

129 8.5 8.4 12.6

