

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022322\
 Data File : VY007610.D
 Acq On : 23 Feb 2022 20:03
 Operator : SY/MD
 Sample : N1584-13
 Misc : 5.84g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D16-6

Quant Time: Feb 24 08:25:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 24 07:13:58 2022
 Response via : Initial Calibration

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

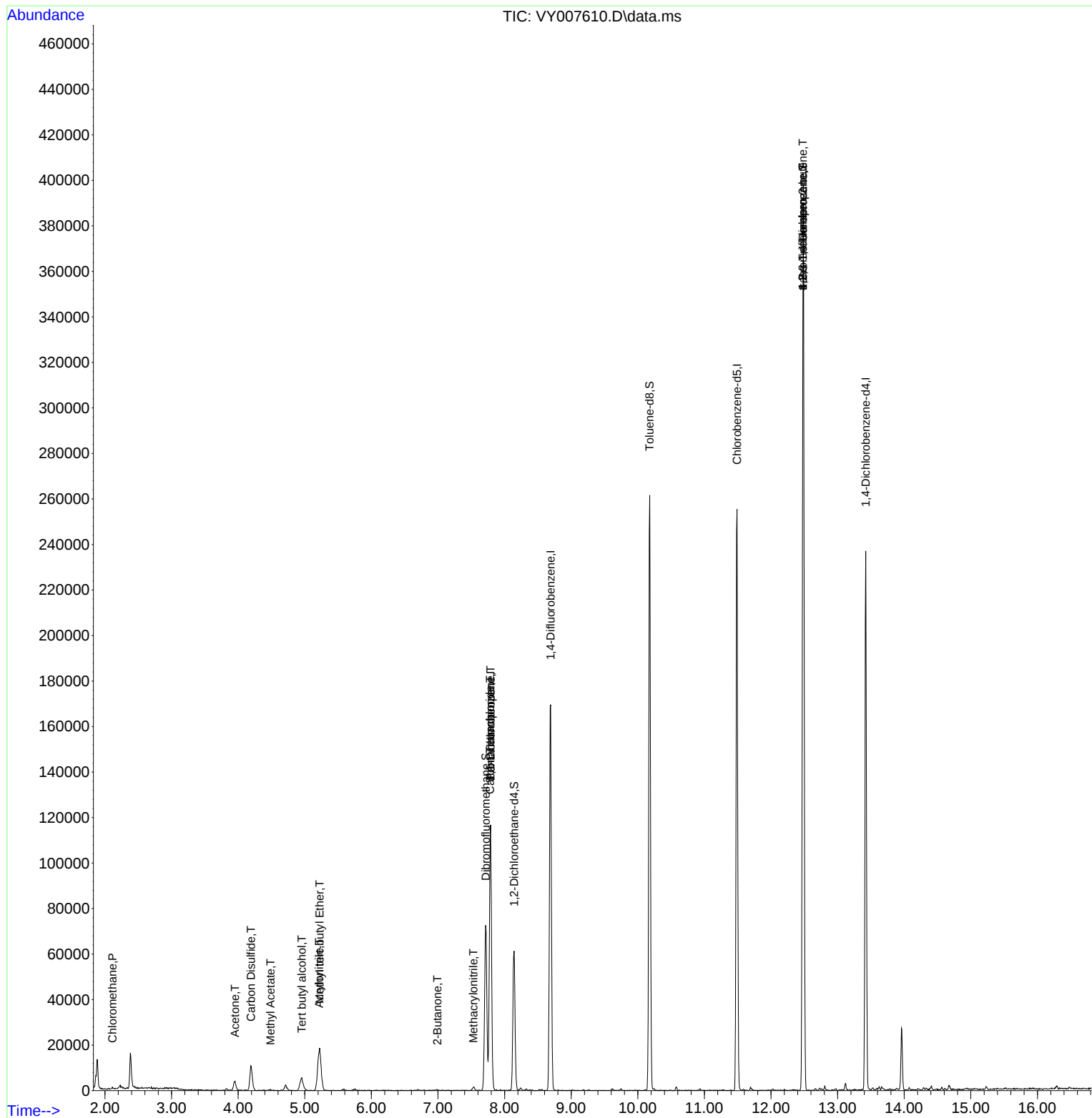
Internal Standards						
1) Pentafluorobenzene	7.789	168	91262	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	152013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	141269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	57734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	50309	49.553	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.100%
35) Dibromofluoromethane	7.716	113	48024	50.068	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.140%
50) Toluene-d8	10.179	98	173916	49.082	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.160%
62) 4-Bromofluorobenzene	12.477	95	57653	47.536	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.080%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	517	1.210	ug/l	97
5) Bromomethane	2.674	94	93	Below Cal		92
11) Tert butyl alcohol	4.954	59	11156	109.102	ug/l	100
15) Acrylonitrile	5.216	53	233	1.025	ug/l #	9
16) Acetone	3.954	43	6752	29.202	ug/l	93
17) Carbon Disulfide	4.192	76	20628	8.052	ug/l	99
18) Methyl Acetate	4.485	43	458	2.140	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	34524	12.461	ug/l	91
20) Methylene Chloride	4.716	84	1775	Below Cal	#	55
25) 2-Butanone	6.990	43	312	1.190	ug/l #	62
31) Cyclohexane	7.783	56	1901	Below Cal	#	36
36) 1,1-Dichloropropene	7.789	75	6599	4.774	ug/l #	52
38) Carbon Tetrachloride	7.783	117	8826	4.360	ug/l #	14
41) Methacrylonitrile	7.533	41	563	1.641	ug/l #	36
76) 1,2,3-Trichloropropane	12.477	75	34202	59.232	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	34202	127.358	ug/l #	8

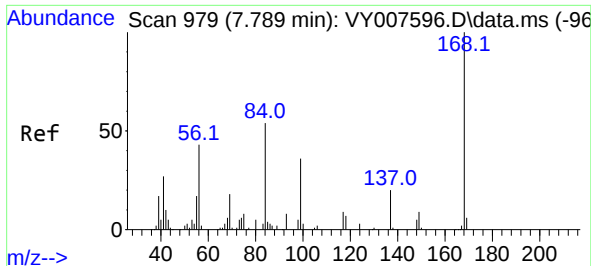
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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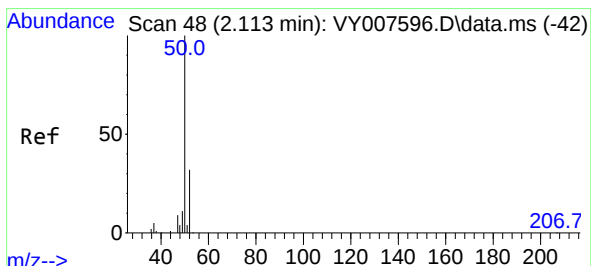
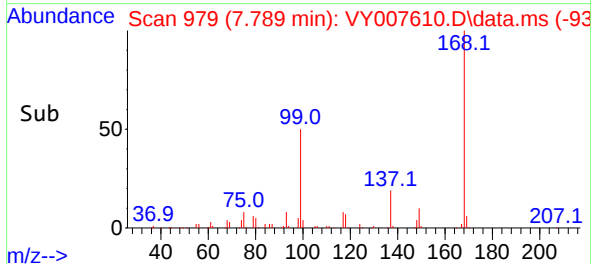
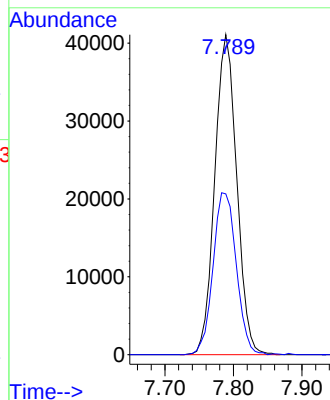
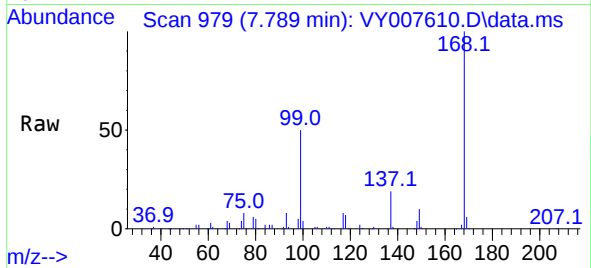




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007610.D
Acq: 23 Feb 2022 20:03

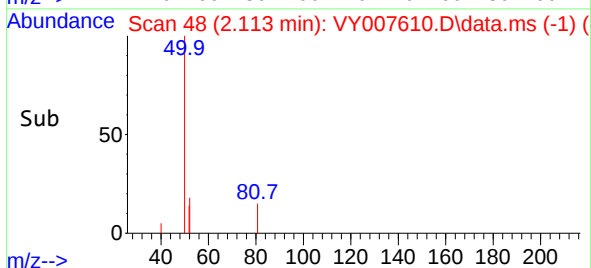
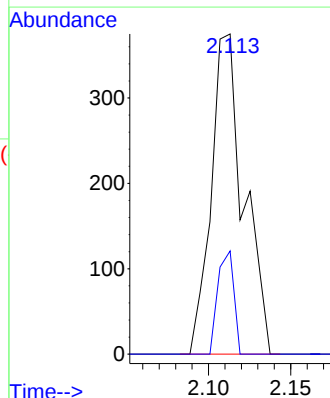
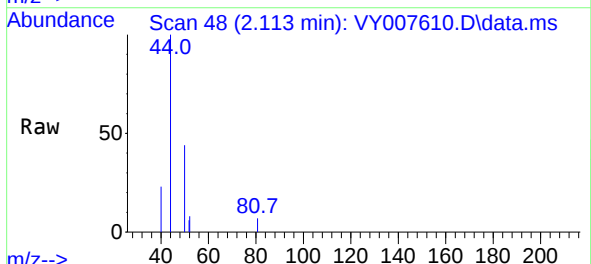
Instrument :
MSVOA_Y
ClientSampleId :
D16-6

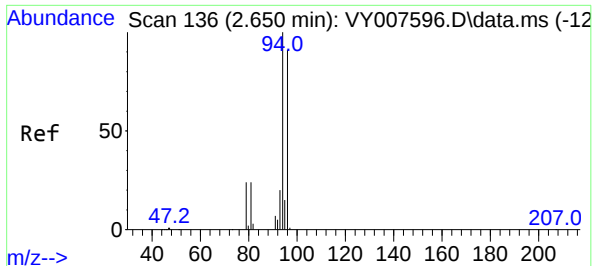
Tgt Ion:168 Resp: 91262
Ion Ratio Lower Upper
168 100
99 50.3 46.9 70.3



#3
Chloromethane
Concen: 1.210 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY007610.D
Acq: 23 Feb 2022 20:03

Tgt Ion: 50 Resp: 517
Ion Ratio Lower Upper
50 100
52 32.3 24.6 37.0

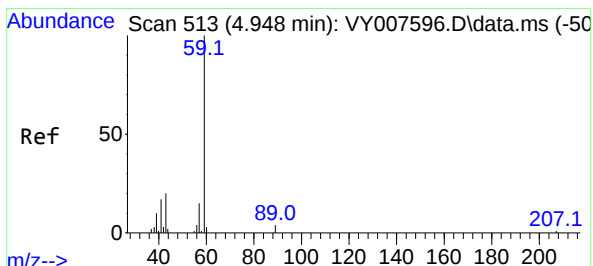
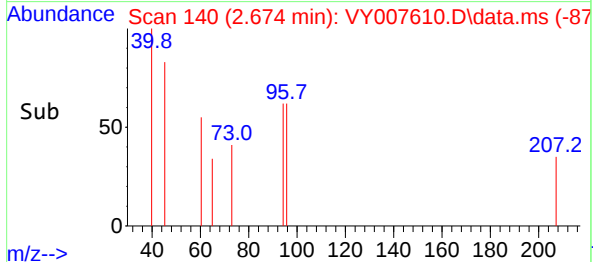
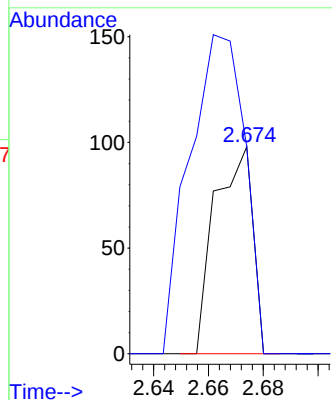
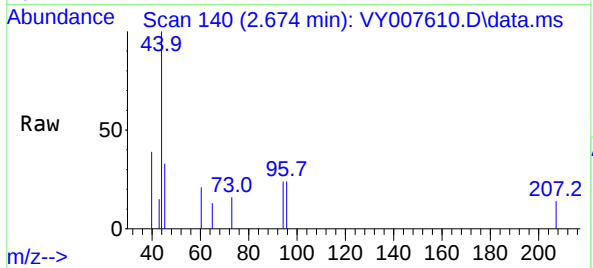




#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 14
Delta R.T. 0.024 min
Lab File: VY007610.D
Acq: 23 Feb 2022 20:03

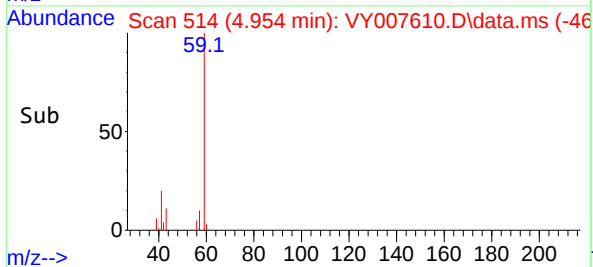
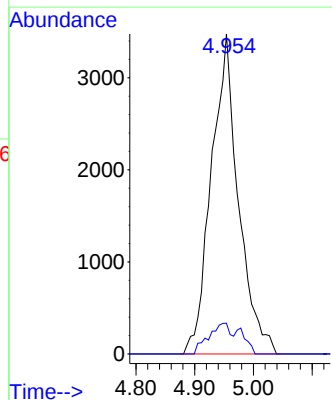
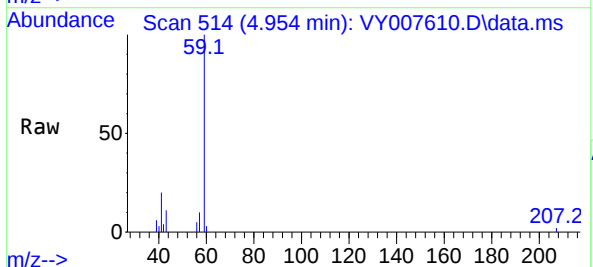
Instrument :
MSVOA_Y
ClientSampleId :
D16-6

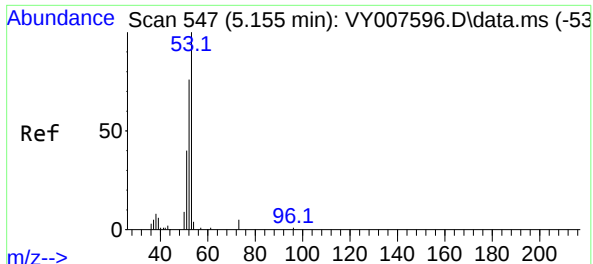
Tgt Ion: 94 Resp: 93
Ion Ratio Lower Upper
94 100
96 100.0 73.5 110.3



#11
Tert butyl alcohol
Concen: 109.102 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY007610.D
Acq: 23 Feb 2022 20:03

Tgt Ion: 59 Resp: 11156
Ion Ratio Lower Upper
59 100
57 8.0 6.4 9.6





#15

Acrylonitrile

Concen: 1.025 ug/l

RT: 5.216 min Scan# 51

Delta R.T. 0.061 min

Lab File: VY007610.D

Acq: 23 Feb 2022 20:03

Instrument :

MSVOA_Y

ClientSampleId :

D16-6

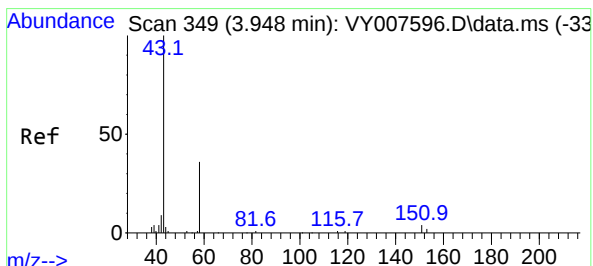
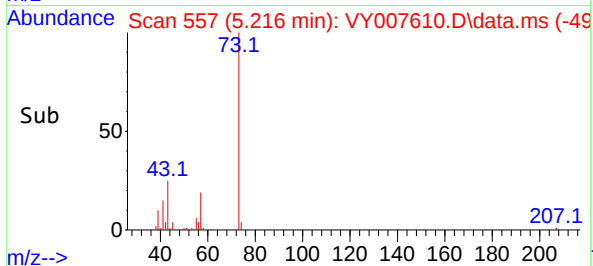
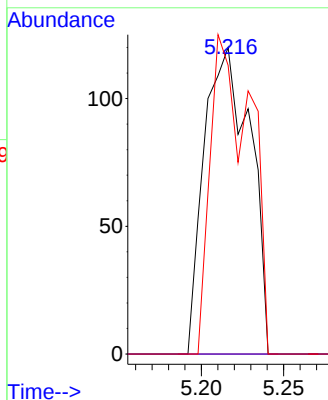
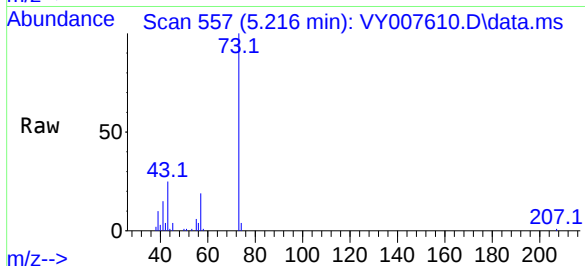
Tgt Ion: 53 Resp: 233

Ion Ratio Lower Upper

53 100

52 0.0 67.0 100.4#

51 90.1 29.8 44.6#



#16

Acetone

Concen: 29.202 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY007610.D

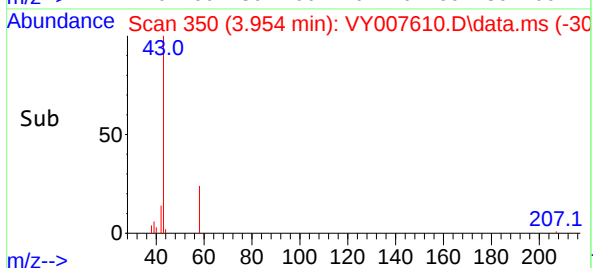
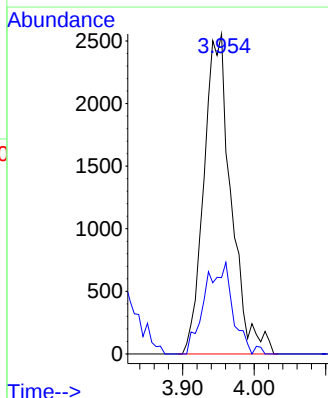
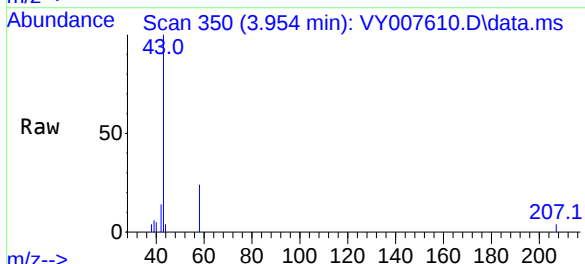
Acq: 23 Feb 2022 20:03

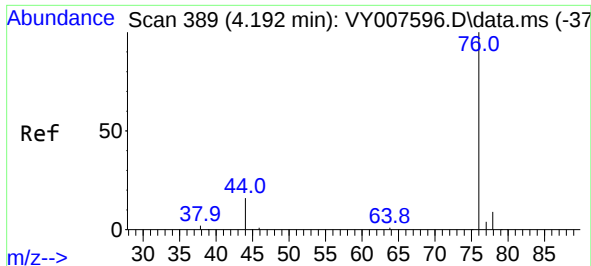
Tgt Ion: 43 Resp: 6752

Ion Ratio Lower Upper

43 100

58 23.8 22.0 33.0

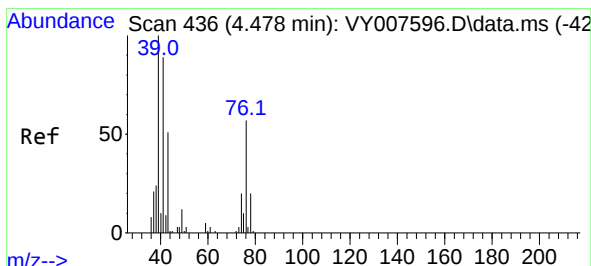
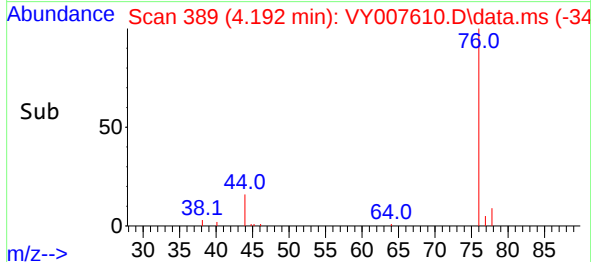
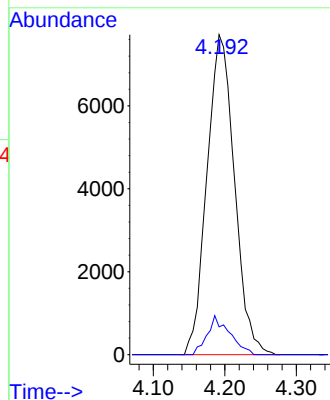
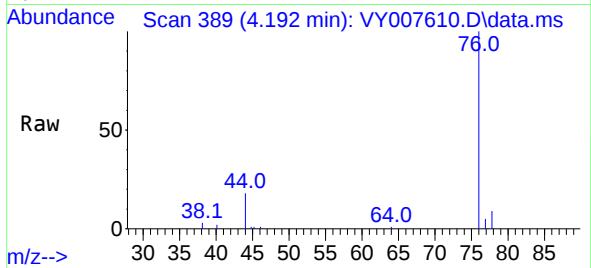




#17
Carbon Disulfide
Concen: 8.052 ug/l
RT: 4.192 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY007610.D
Acq: 23 Feb 2022 20:03

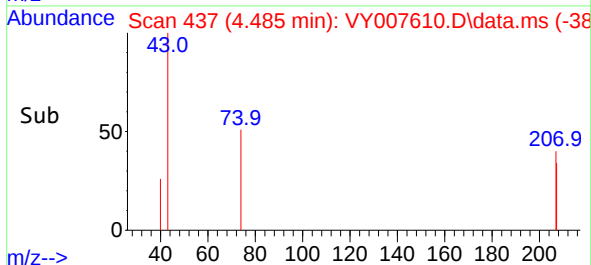
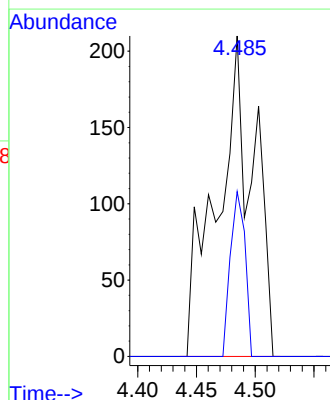
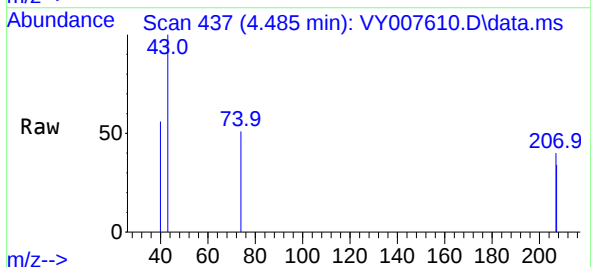
Instrument :
MSVOA_Y
ClientSampleId :
D16-6

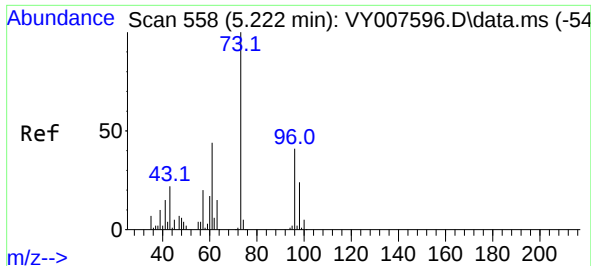
Tgt Ion: 76 Resp: 20628
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#18
Methyl Acetate
Concen: 2.140 ug/l
RT: 4.485 min Scan# 437
Delta R.T. 0.007 min
Lab File: VY007610.D
Acq: 23 Feb 2022 20:03

Tgt Ion: 43 Resp: 458
Ion Ratio Lower Upper
43 100
74 20.3 16.6 24.8





#19

Methyl tert-butyl Ether

Concen: 12.461 ug/l

RT: 5.222 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY007610.D

Acq: 23 Feb 2022 20:03

Instrument :

MSVOA_Y

ClientSampleId :

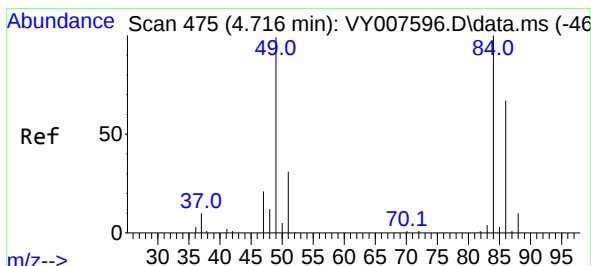
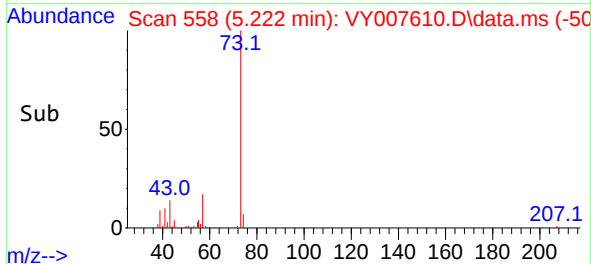
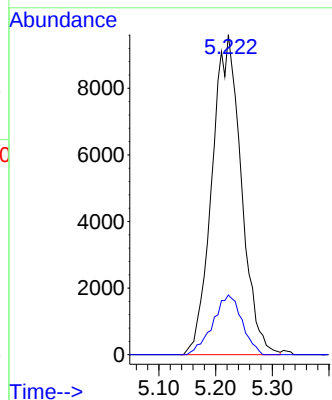
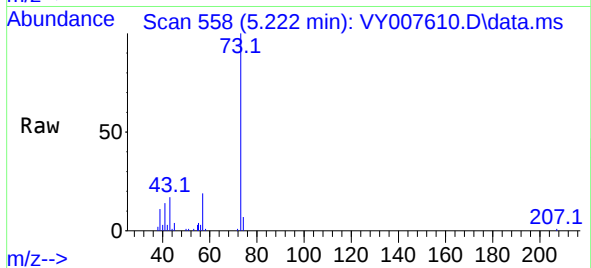
D16-6

Tgt Ion: 73 Resp: 34524

Ion Ratio Lower Upper

73 100

57 18.6 18.6 27.8



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY007610.D

Acq: 23 Feb 2022 20:03

Tgt Ion: 84 Resp: 1775

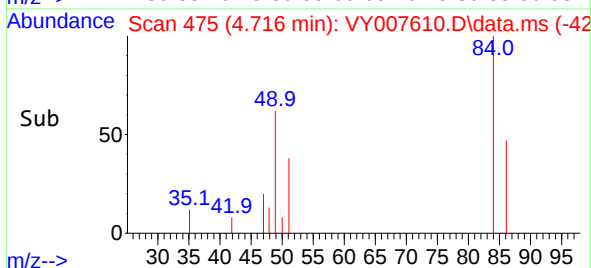
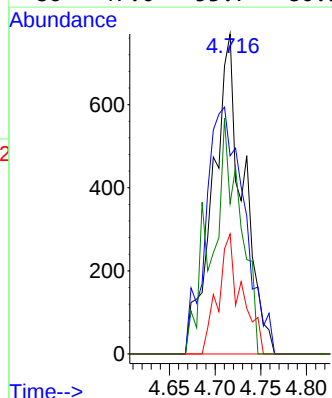
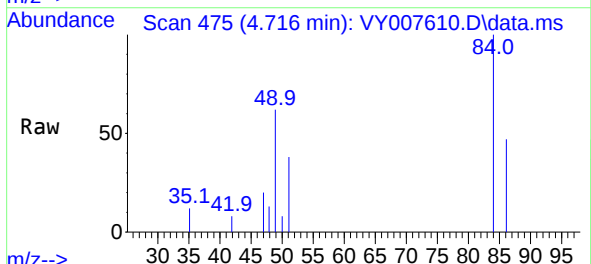
Ion Ratio Lower Upper

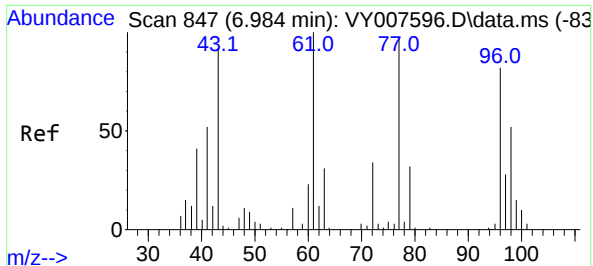
84 100

49 61.9 114.4 171.6#

51 37.5 35.3 52.9

86 47.0 53.7 80.5#





#25

2-Butanone

Concen: 1.190 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY007610.D

Acq: 23 Feb 2022 20:03

Instrument :

MSVOA_Y

ClientSampleId :

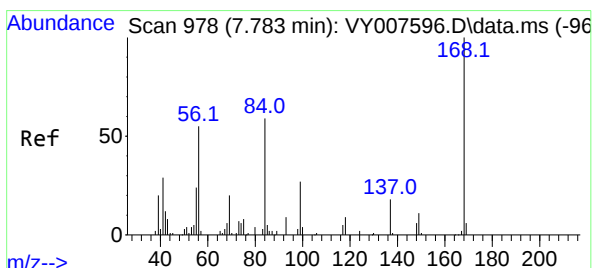
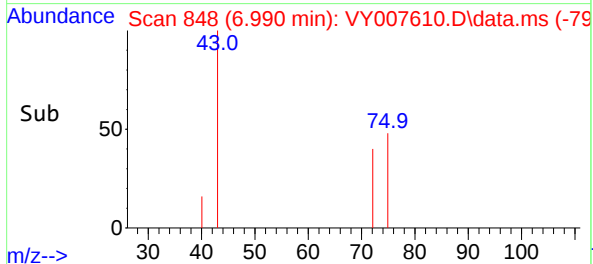
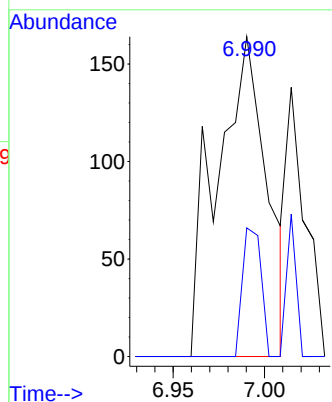
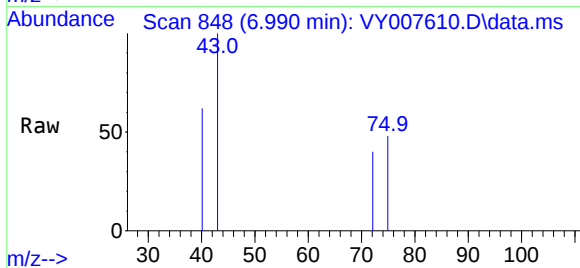
D16-6

Tgt Ion: 43 Resp: 312

Ion Ratio Lower Upper

43 100

72 40.2 17.7 26.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY007610.D

Acq: 23 Feb 2022 20:03

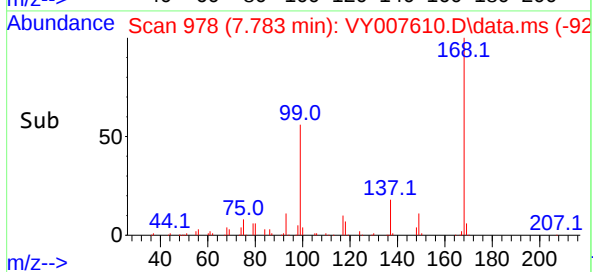
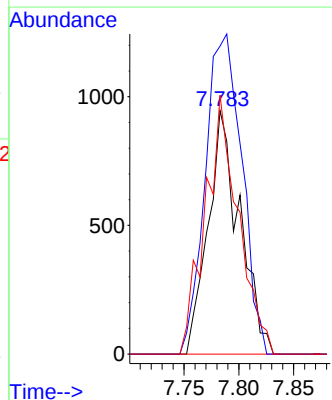
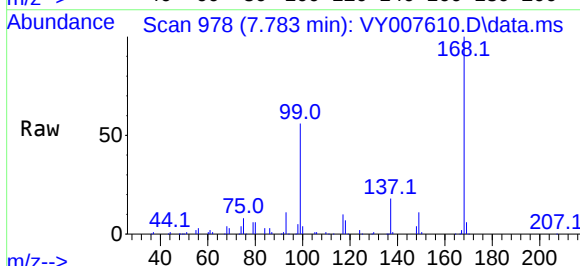
Tgt Ion: 56 Resp: 1901

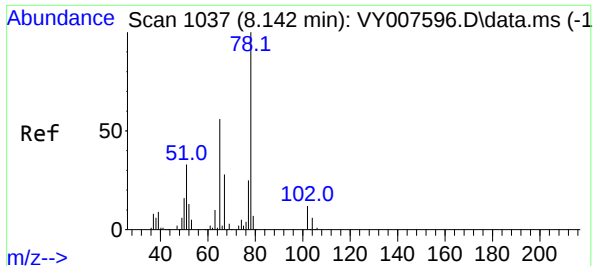
Ion Ratio Lower Upper

56 100

69 126.5 26.7 40.1#

84 106.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 49.553 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY007610.D

Acq: 23 Feb 2022 20:03

Instrument :

MSVOA_Y

ClientSampleId :

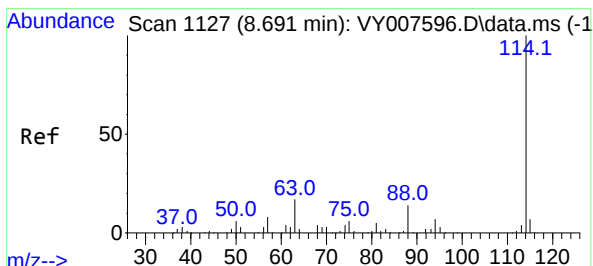
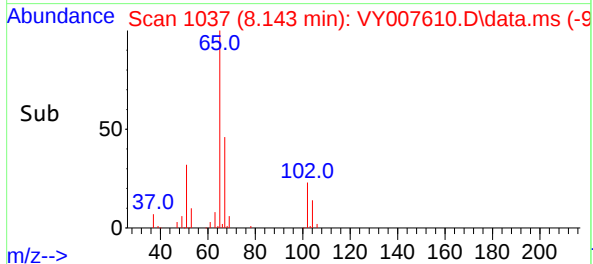
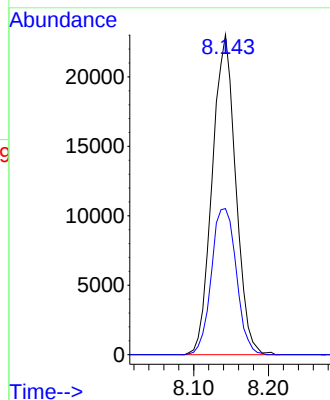
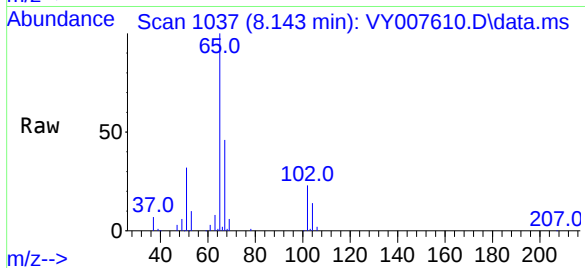
D16-6

Tgt Ion: 65 Resp: 50309

Ion Ratio Lower Upper

65 100

67 48.6 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: VY007610.D

Acq: 23 Feb 2022 20:03

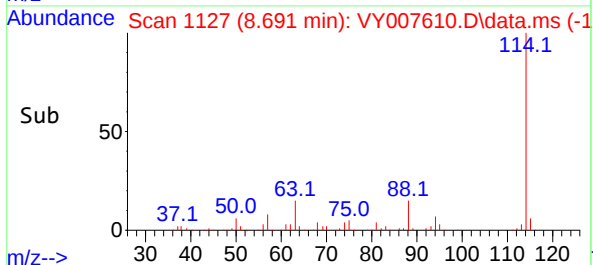
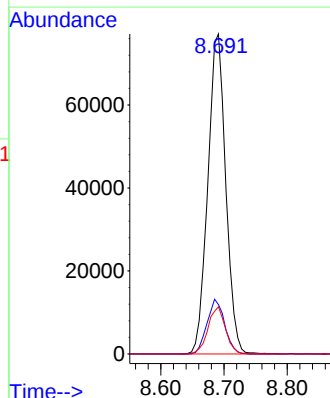
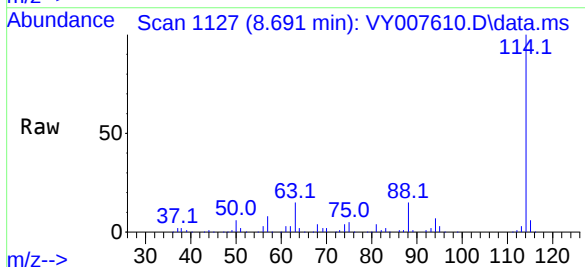
Tgt Ion: 114 Resp: 152013

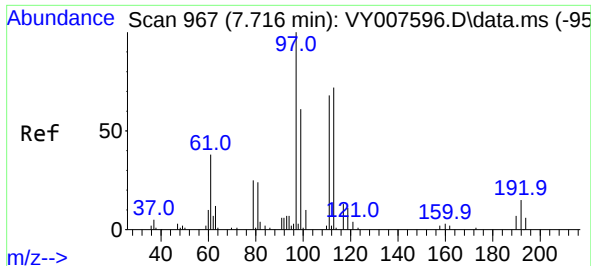
Ion Ratio Lower Upper

114 100

63 15.4 0.0 43.2

88 14.8 0.0 31.8

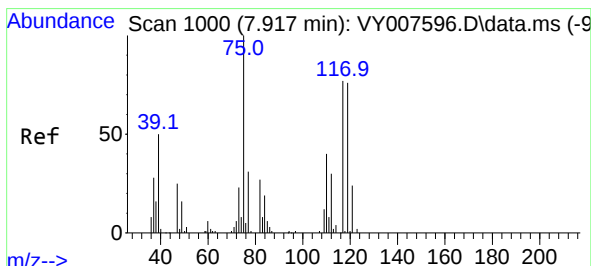
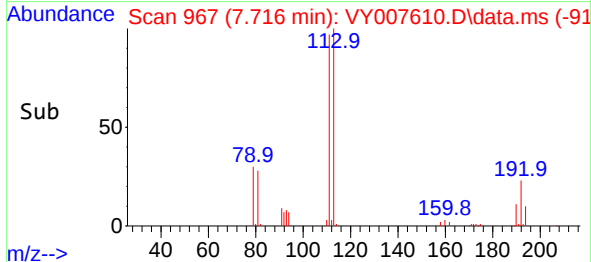
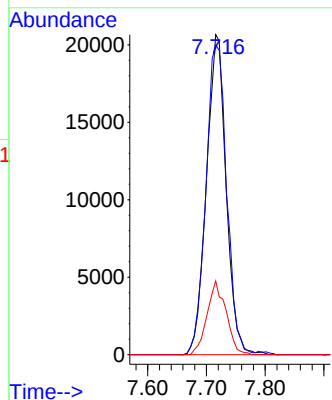
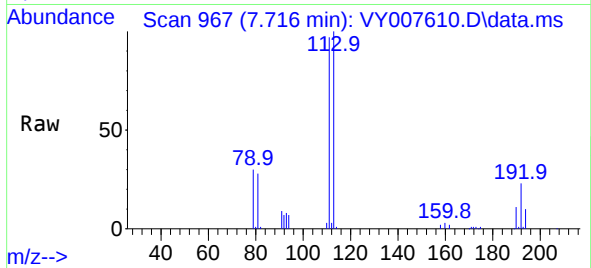




#35
Dibromofluoromethane
Concen: 50.068 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY007610.D
Acq: 23 Feb 2022 20:03

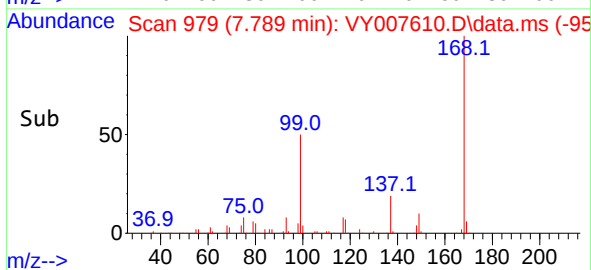
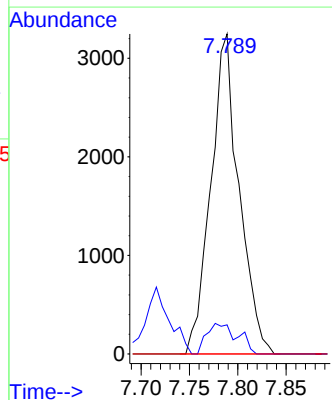
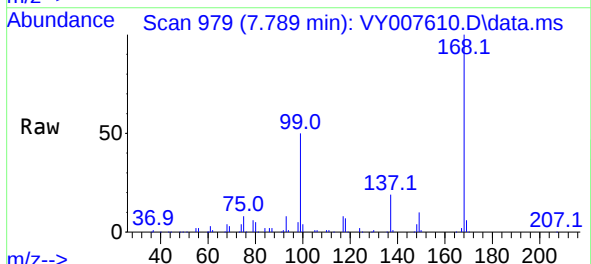
Instrument :
MSVOA_Y
ClientSampleId :
D16-6

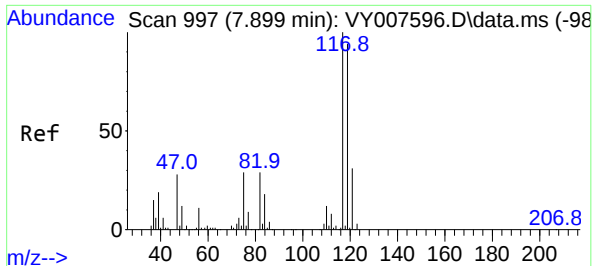
Tgt Ion:113 Resp: 48024
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 22.3 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.774 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007610.D
Acq: 23 Feb 2022 20:03

Tgt Ion: 75 Resp: 6599
Ion Ratio Lower Upper
75 100
110 10.5 17.1 51.2#
77 0.0 24.4 36.6#

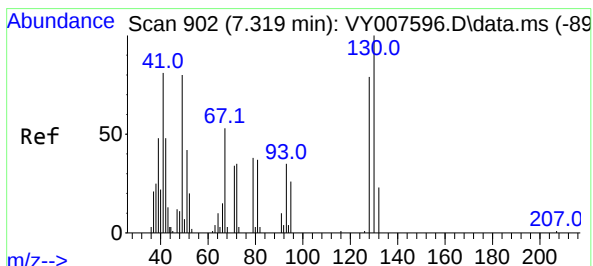
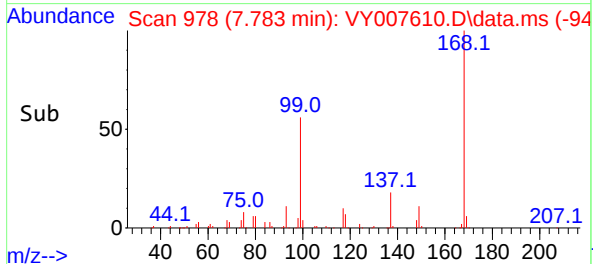
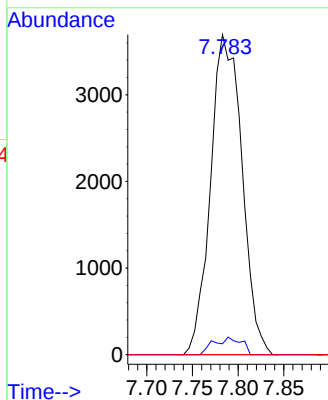
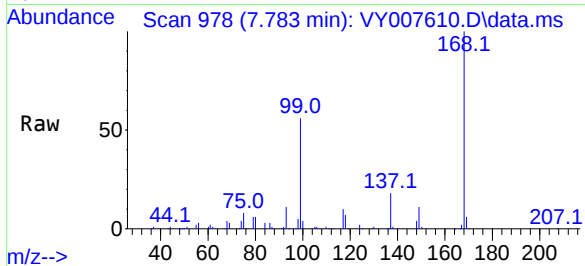




#38
Carbon Tetrachloride
Concen: 4.360 ug/l
RT: 7.783 min Scan# 911
Delta R.T. -0.116 min
Lab File: VY007610.D
Acq: 23 Feb 2022 20:03

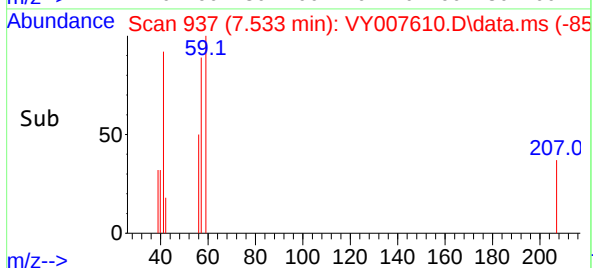
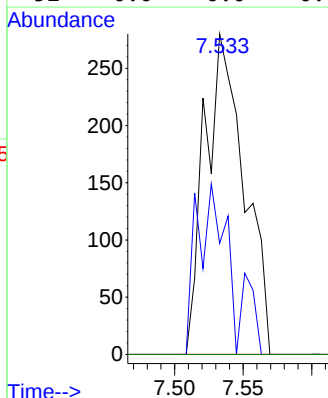
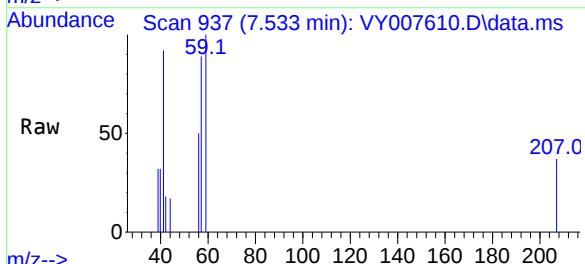
Instrument :
MSVOA_Y
ClientSampleId :
D16-6

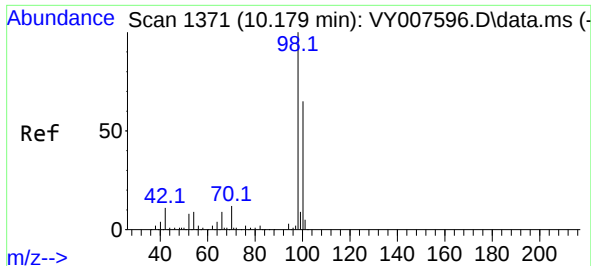
Tgt Ion:117 Resp: 8826
Ion Ratio Lower Upper
117 100
119 3.4 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 1.641 ug/l
RT: 7.533 min Scan# 937
Delta R.T. 0.214 min
Lab File: VY007610.D
Acq: 23 Feb 2022 20:03

Tgt Ion: 41 Resp: 563
Ion Ratio Lower Upper
41 100
39 46.2 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

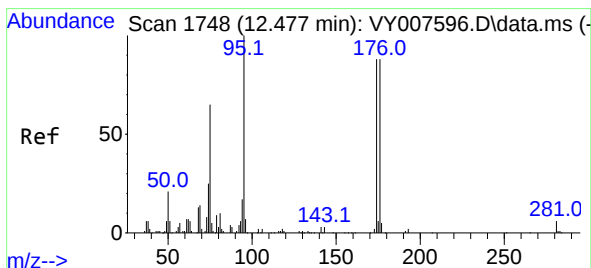
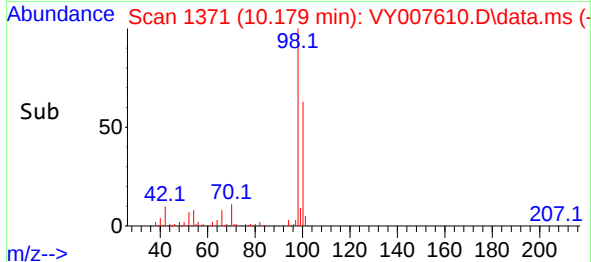
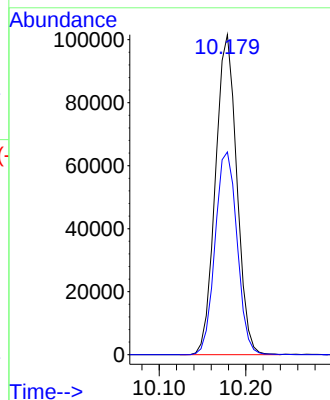
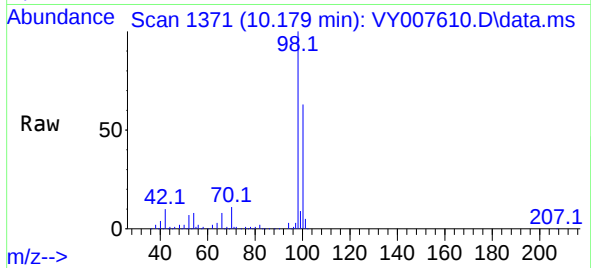




#50
Toluene-d8
Concen: 49.082 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007610.D
Acq: 23 Feb 2022 20:03

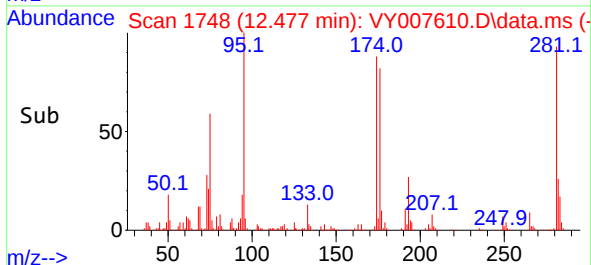
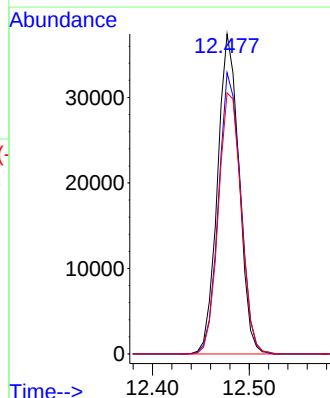
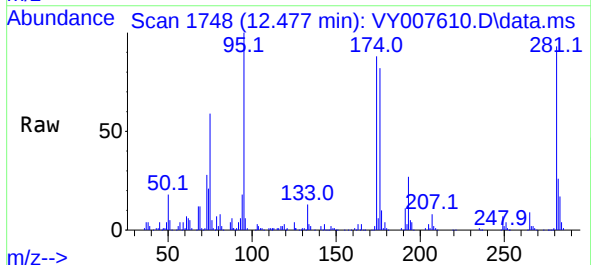
Instrument :
MSVOA_Y
ClientSampleId :
D16-6

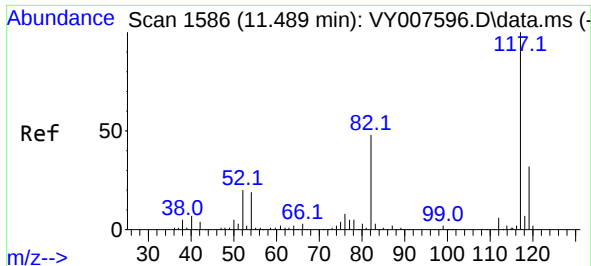
Tgt Ion: 98 Resp: 173916
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 47.536 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY007610.D
Acq: 23 Feb 2022 20:03

Tgt Ion: 95 Resp: 57653
Ion Ratio Lower Upper
95 100
174 90.4 0.0 177.0
176 86.7 0.0 175.8

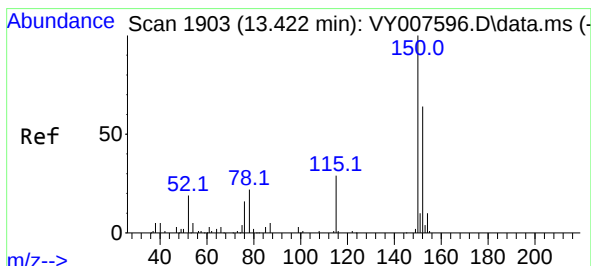
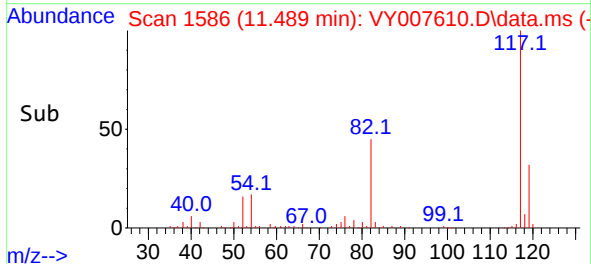
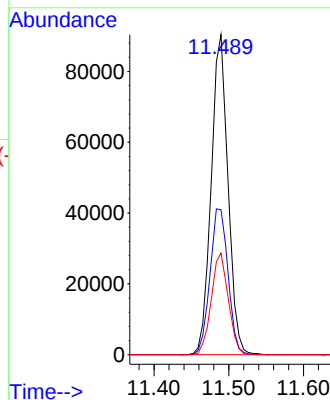
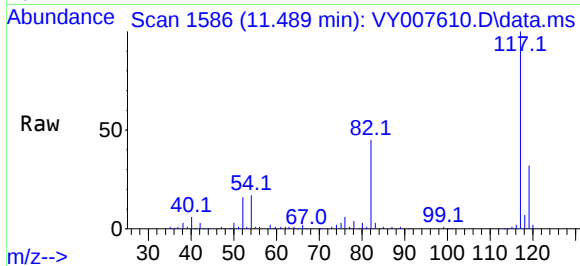




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007610.D
Acq: 23 Feb 2022 20:03

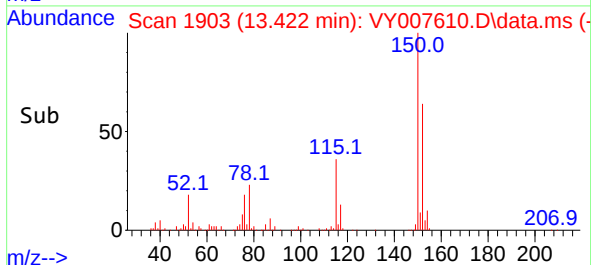
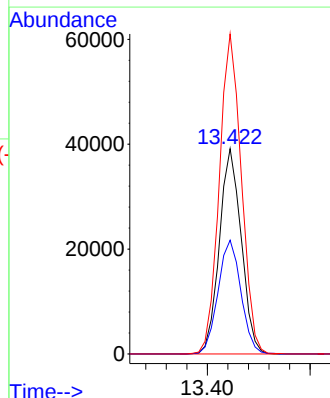
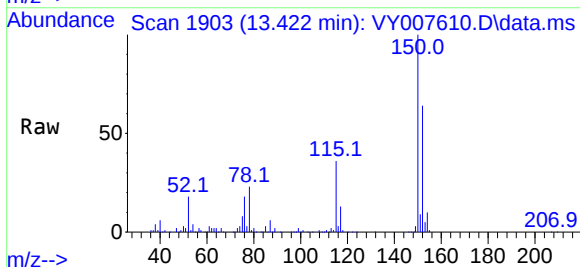
Instrument :
MSVOA_Y
ClientSampleId :
D16-6

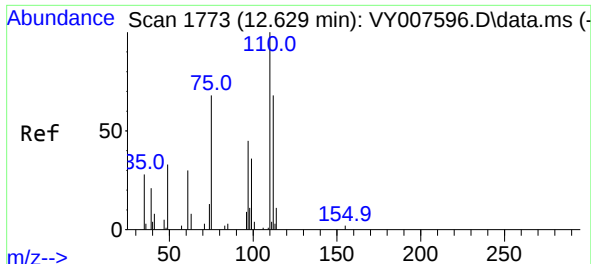
Tgt Ion:117 Resp: 141269
Ion Ratio Lower Upper
117 100
82 45.3 43.0 64.4
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY007610.D
Acq: 23 Feb 2022 20:03

Tgt Ion:152 Resp: 57734
Ion Ratio Lower Upper
152 100
115 58.1 28.2 84.7
150 157.2 0.0 347.6

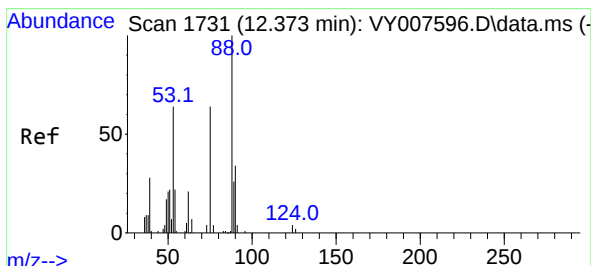
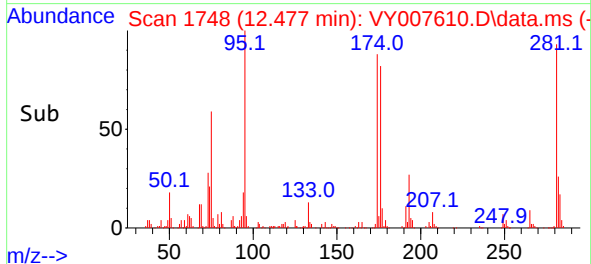
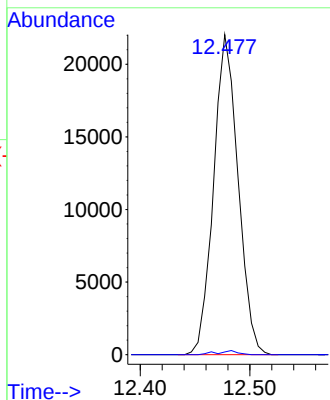
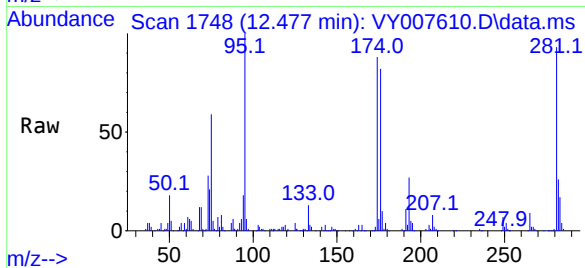




#76
1,2,3-Trichloropropane
Concen: 59.232 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY007610.D
Acq: 23 Feb 2022 20:03

Instrument :
MSVOA_Y
ClientSampleId :
D16-6

Tgt Ion: 75 Resp: 34202
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.358 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY007610.D
Acq: 23 Feb 2022 20:03

Tgt Ion: 75 Resp: 34202
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 2.2 37.0 55.4#

