

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092822\
 Data File : VY010713.D
 Acq On : 28 Sep 2022 13:58
 Operator : KP/MD
 Sample : N4751-05RE
 Misc : 8.69g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-5

Quant Time: Sep 29 01:13:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

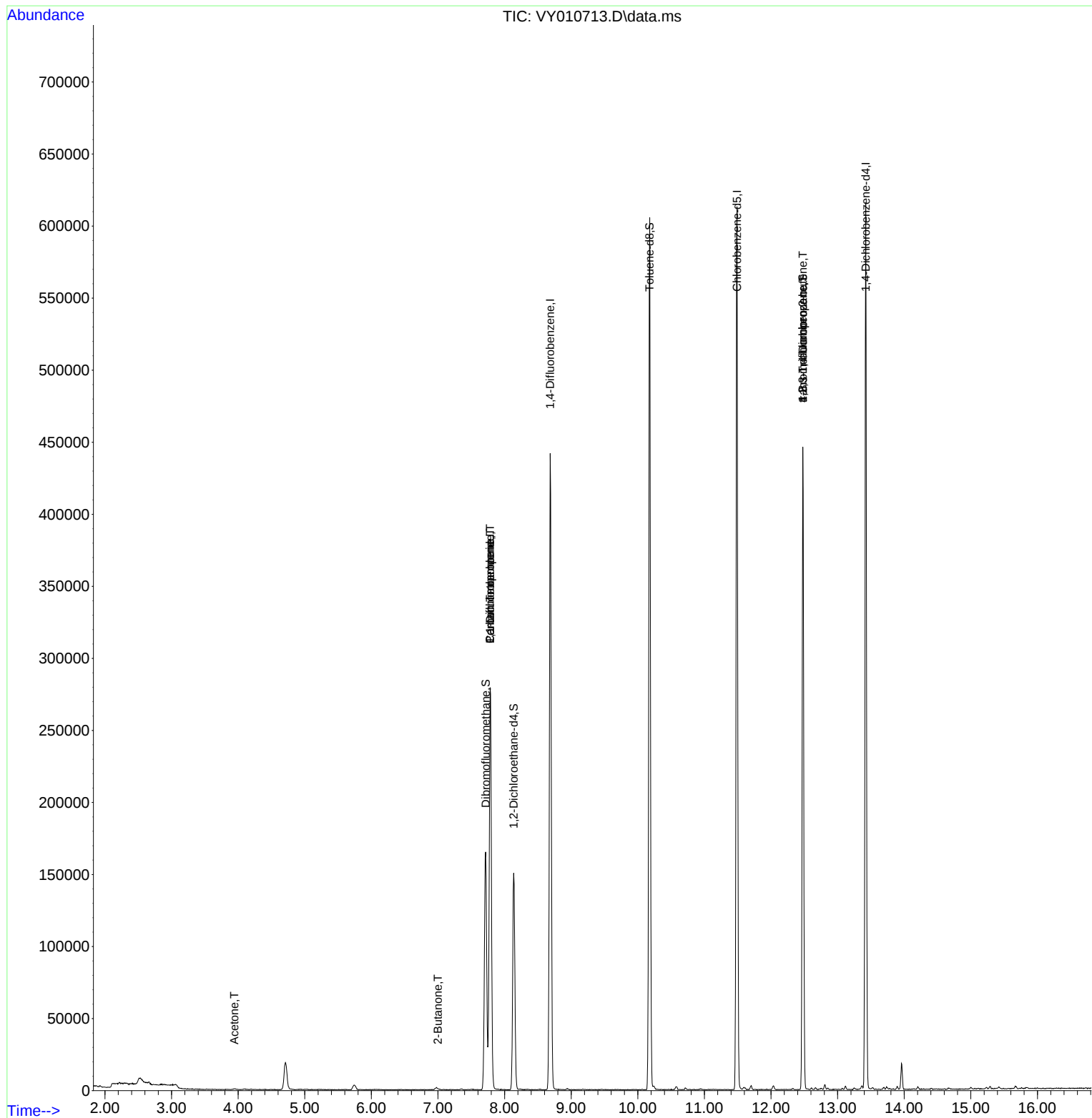
Internal Standards						
1) Pentafluorobenzene	7.783	168	214924	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	369066	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	334130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	151802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	118585	57.686	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.380%
35) Dibromofluoromethane	7.716	113	118023	50.108	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.220%
50) Toluene-d8	10.179	98	391765	45.317	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	90.640%
62) 4-Bromofluorobenzene	12.477	95	133140	40.710	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.420%
Target Compounds						
3) Chloromethane	2.107	50	552	Below Cal		94
4) Vinyl Chloride	2.247	62	38	Below Cal	#	43
5) Bromomethane	2.662	94	538	Below Cal		91
11) Tert butyl alcohol	4.948	59	223	Below Cal	#	77
16) Acetone	3.942	43	899	2.145 ug/l	#	62
17) Carbon Disulfide	4.198	76	306	Below Cal	#	75
18) Methyl Acetate	4.484	43	23	Below Cal	#	56
20) Methylene Chloride	4.704	84	14703	Below Cal	#	80
25) 2-Butanone	6.996	43	899	1.371 ug/l	#	54
31) Cyclohexane	7.783	56	4770	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	17203	6.555 ug/l	#	50
38) Carbon Tetrachloride	7.783	117	21991	7.288 ug/l	#	16
76) 1,2,3-Trichloropropane	12.477	75	68868	47.533 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	68868	105.686 ug/l	#	7

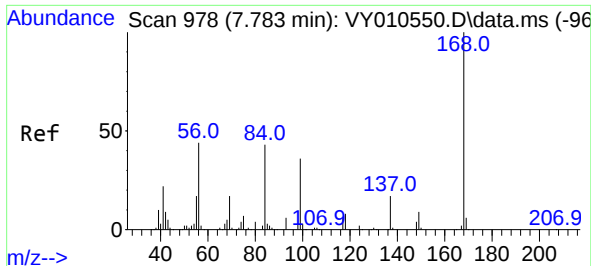
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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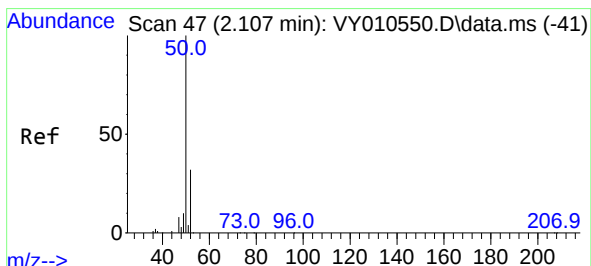
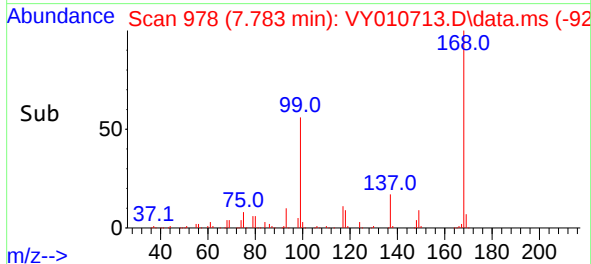
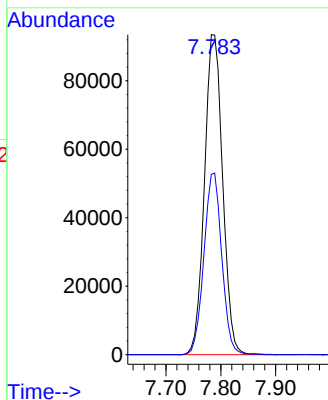
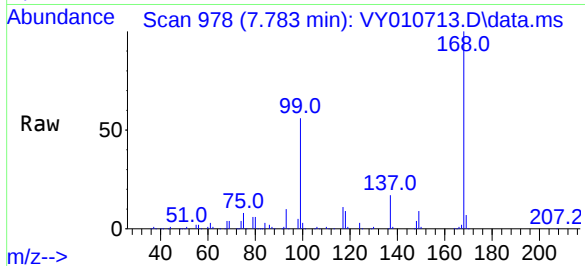




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010713.D
Acq: 28 Sep 2022 13:58

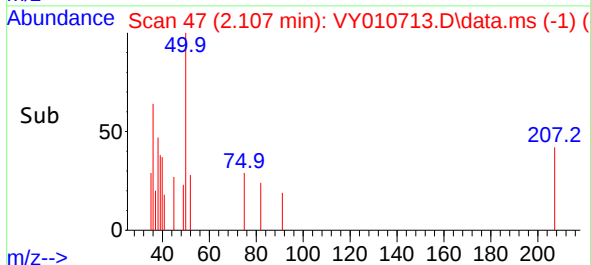
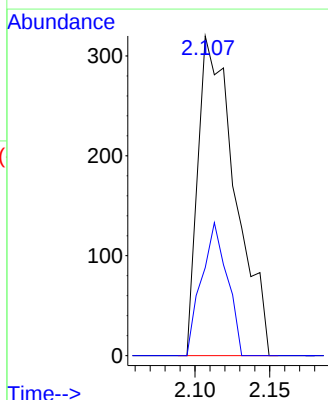
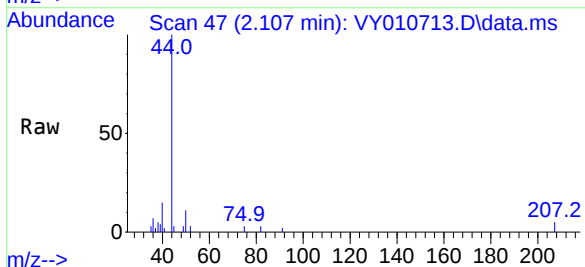
Instrument :
MSVOA_Y
ClientSampleId :
PE-5

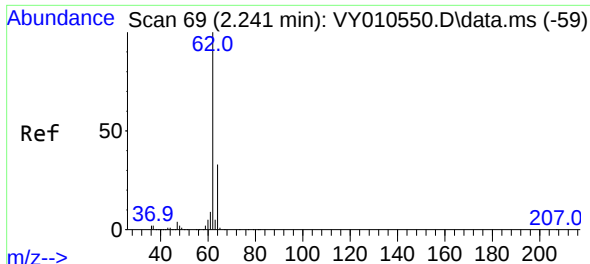
Tgt Ion:168 Resp: 214924
Ion Ratio Lower Upper
168 100
99 56.4 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY010713.D
Acq: 28 Sep 2022 13:58

Tgt Ion: 50 Resp: 552
Ion Ratio Lower Upper
50 100
52 27.5 24.6 37.0

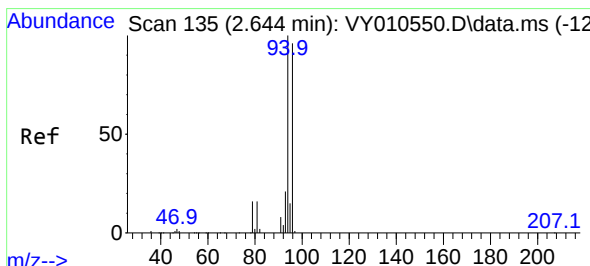
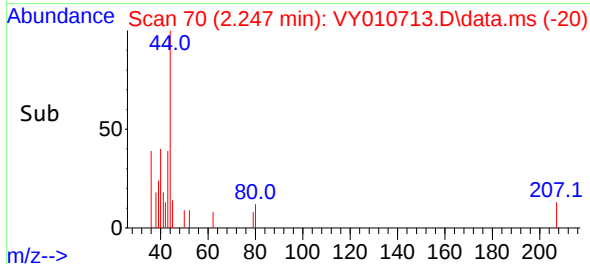
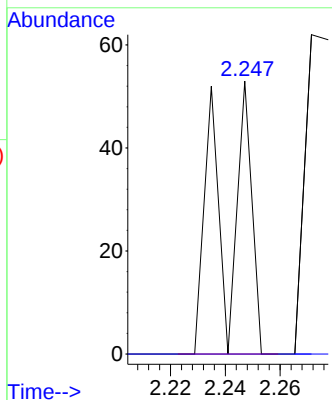
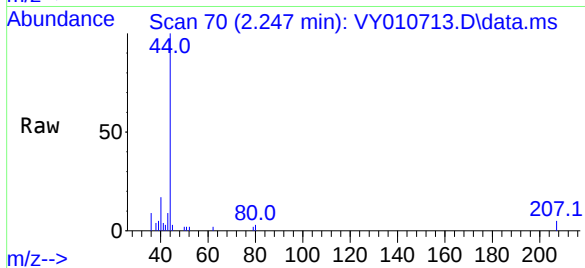




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.247 min Scan# 70
 Delta R.T. 0.006 min
 Lab File: VY010713.D
 Acq: 28 Sep 2022 13:58

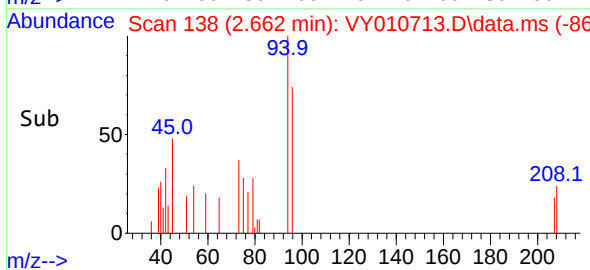
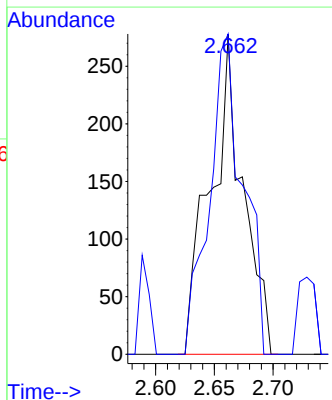
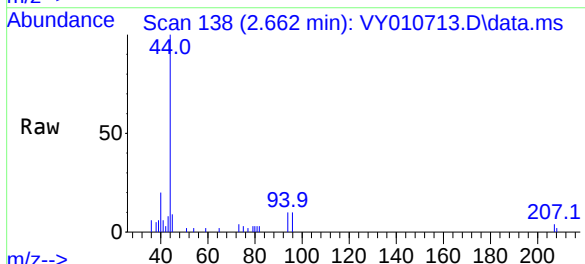
Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-5

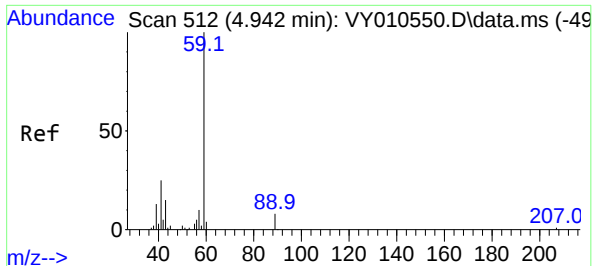
Tgt Ion: 62 Resp: 38
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.662 min Scan# 138
 Delta R.T. 0.018 min
 Lab File: VY010713.D
 Acq: 28 Sep 2022 13:58

Tgt Ion: 94 Resp: 538
 Ion Ratio Lower Upper
 94 100
 96 100.4 73.5 110.3





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.948 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY010713.D

Acq: 28 Sep 2022 13:58

Instrument :

MSVOA_Y

ClientSampleId :

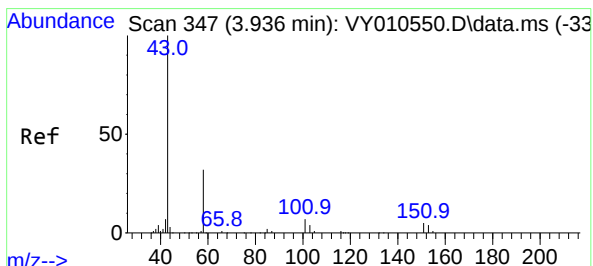
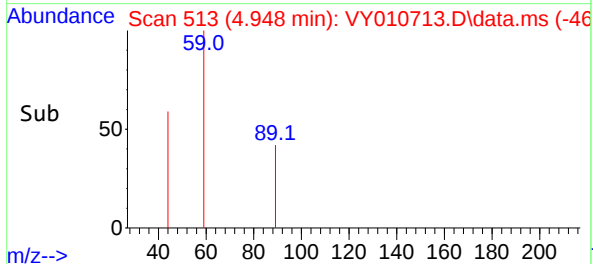
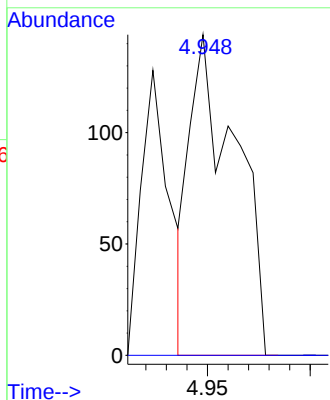
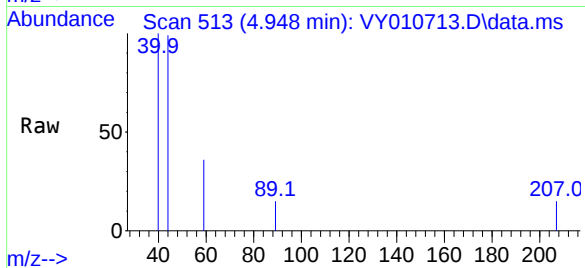
PE-5

Tgt Ion: 59 Resp: 223

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 2.145 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY010713.D

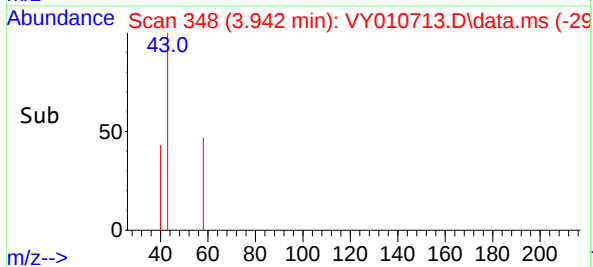
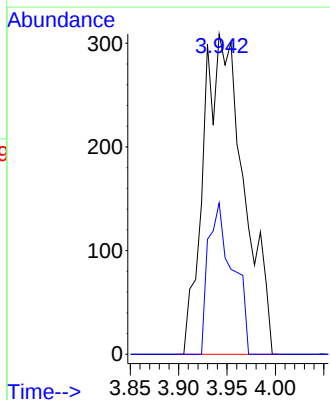
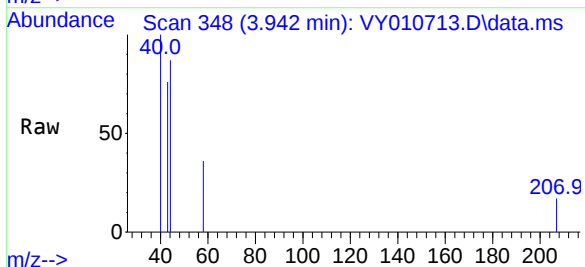
Acq: 28 Sep 2022 13:58

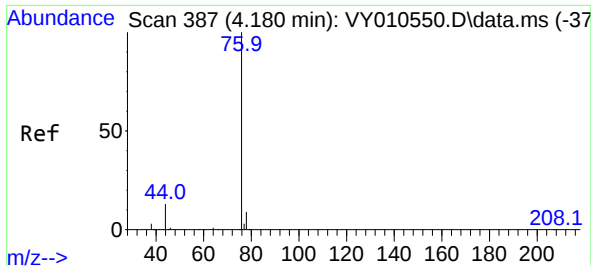
Tgt Ion: 43 Resp: 899

Ion Ratio Lower Upper

43 100

58 47.2 22.0 33.0#

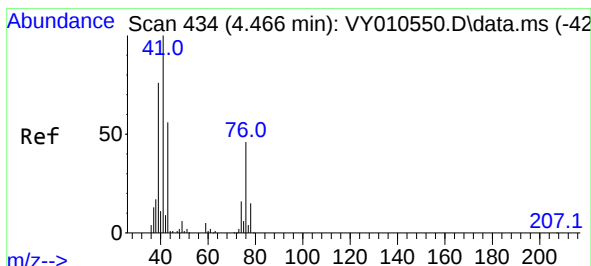
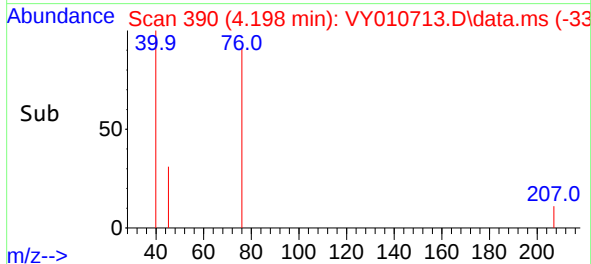
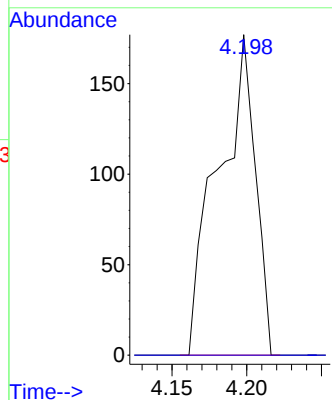
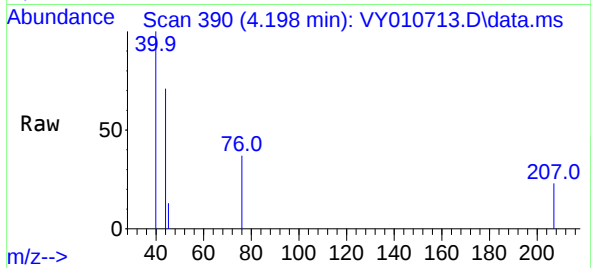




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. 0.018 min
Lab File: VY010713.D
Acq: 28 Sep 2022 13:58

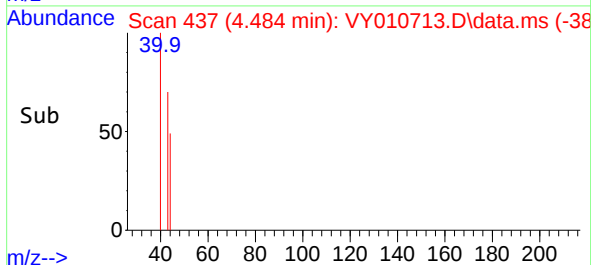
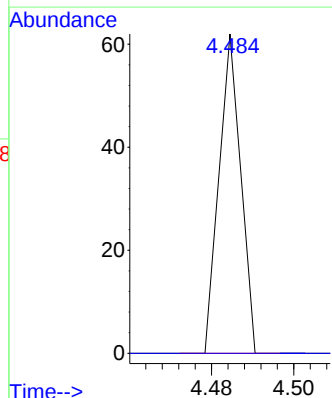
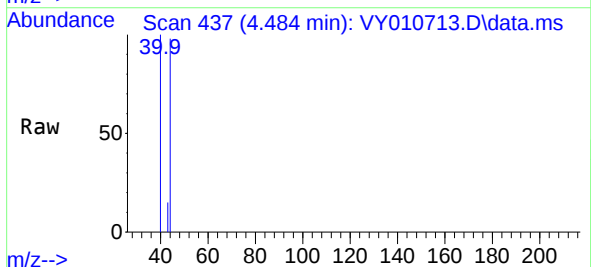
Instrument :
MSVOA_Y
ClientSampleId :
PE-5

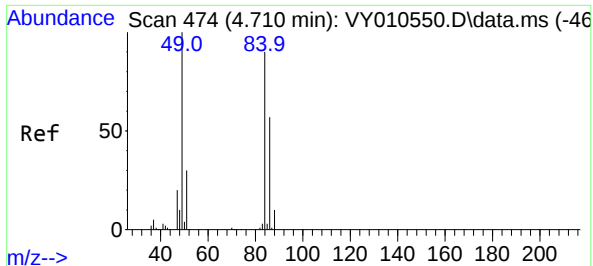
Tgt Ion: 76 Resp: 306
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.484 min Scan# 437
Delta R.T. 0.018 min
Lab File: VY010713.D
Acq: 28 Sep 2022 13:58

Tgt Ion: 43 Resp: 23
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

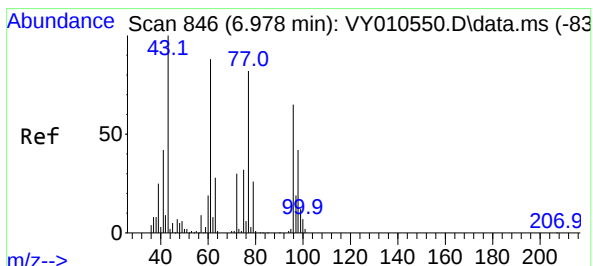
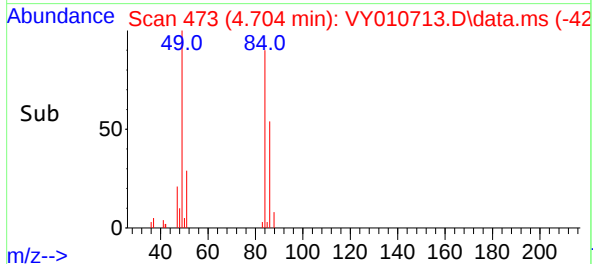
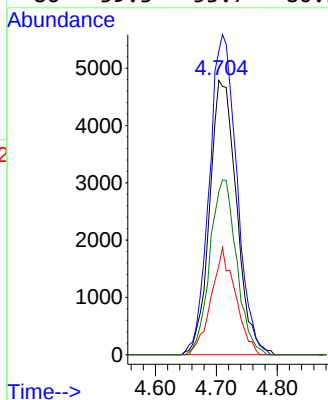
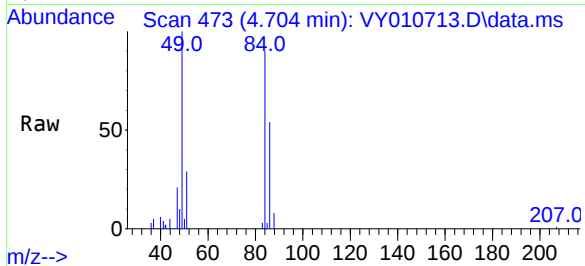




#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010713.D
Acq: 28 Sep 2022 13:58

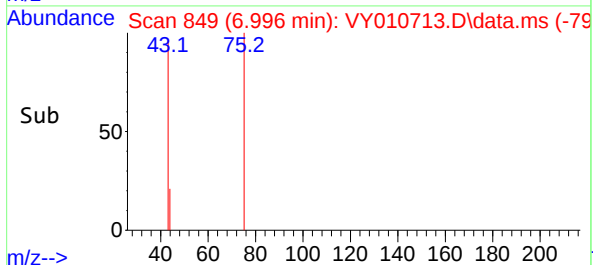
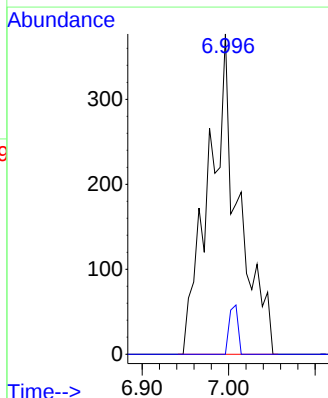
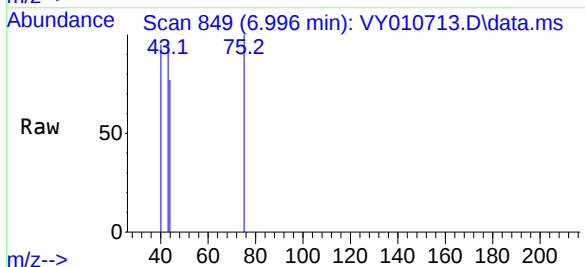
Instrument :
MSVOA_Y
ClientSampleId :
PE-5

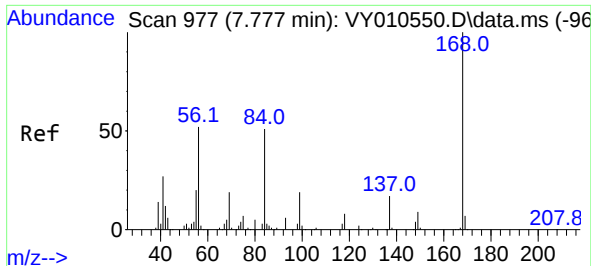
Tgt Ion: 84 Resp: 14703
Ion Ratio Lower Upper
84 100
49 110.7 114.4 171.6#
51 32.4 35.3 52.9#
86 59.3 53.7 80.5



#25
2-Butanone
Concen: 1.371 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.018 min
Lab File: VY010713.D
Acq: 28 Sep 2022 13:58

Tgt Ion: 43 Resp: 899
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

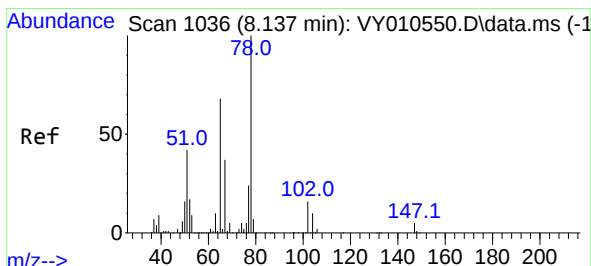
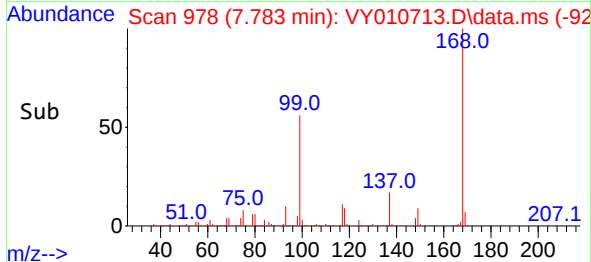
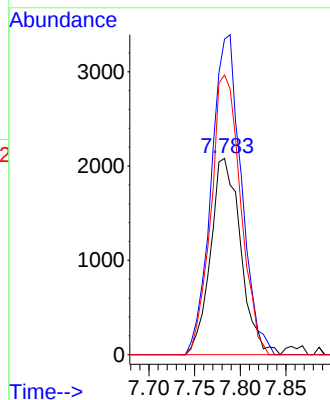
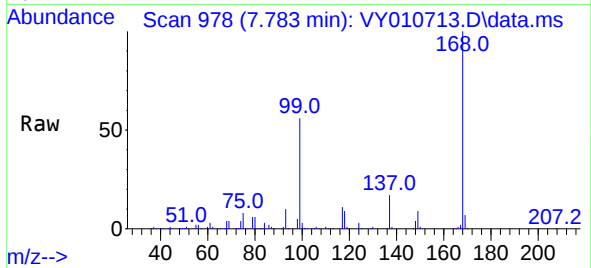




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010713.D
Acq: 28 Sep 2022 13:58

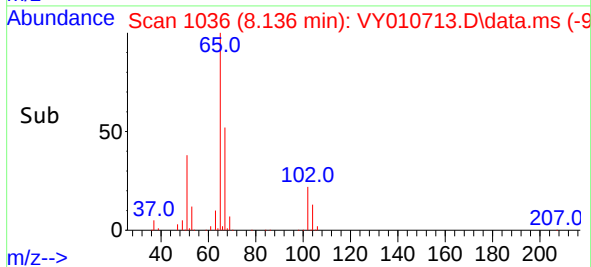
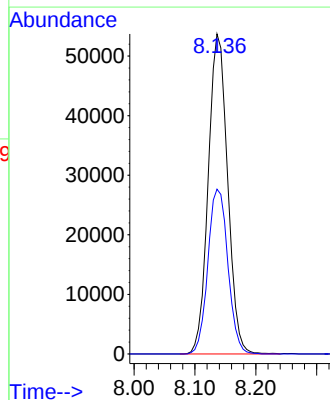
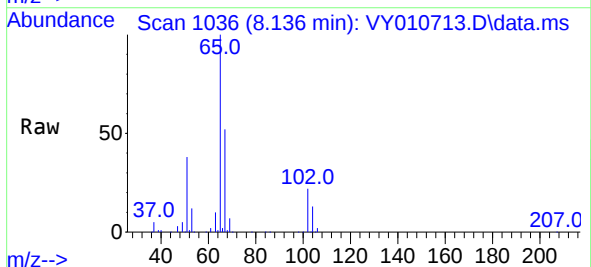
Instrument :
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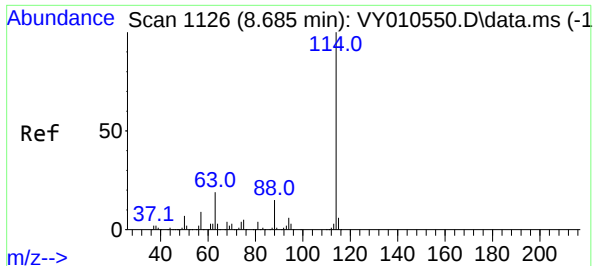
Tgt Ion: 56 Resp: 4770
Ion Ratio Lower Upper
56 100
69 160.7 26.7 40.1#
84 142.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 57.686 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010713.D
Acq: 28 Sep 2022 13:58

Tgt Ion: 65 Resp: 118585
Ion Ratio Lower Upper
65 100
67 53.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY010713.D

Acq: 28 Sep 2022 13:58

Instrument :

MSVOA_Y

ClientSampleId :

PE-5

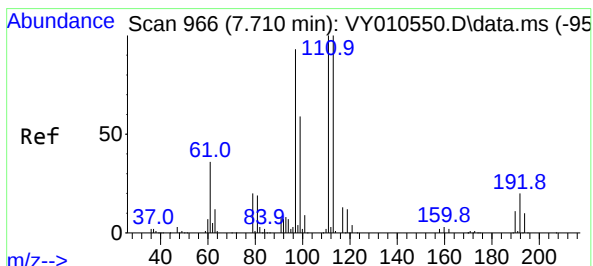
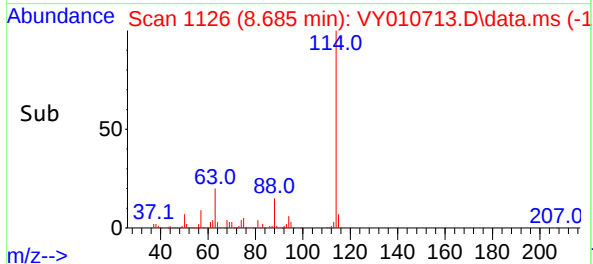
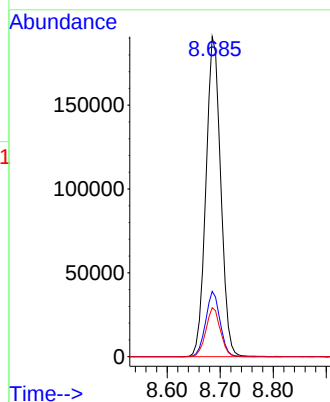
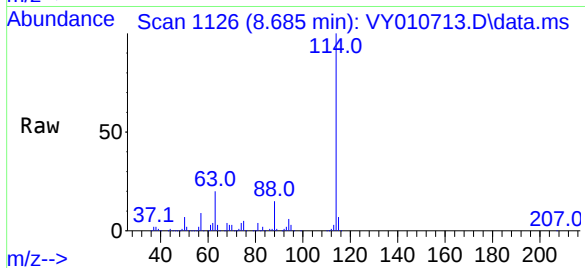
Tgt Ion:114 Resp: 369066

Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.108 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010713.D

Acq: 28 Sep 2022 13:58

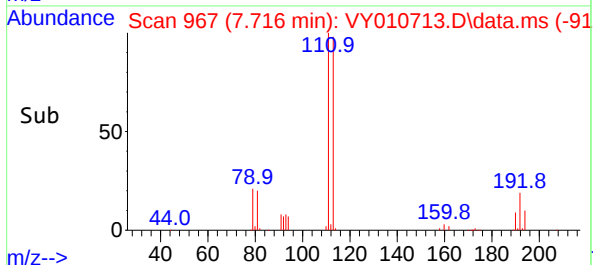
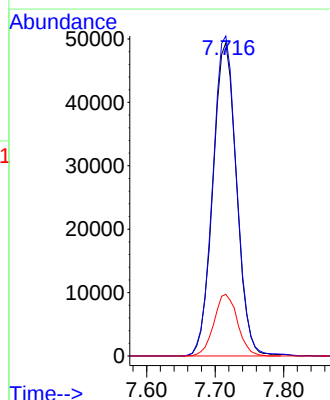
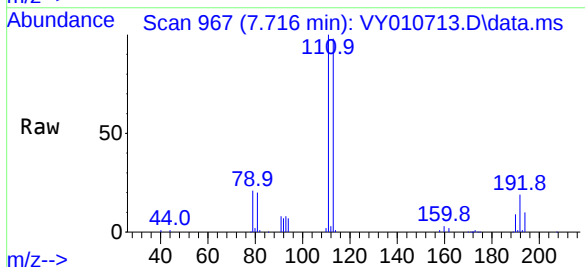
Tgt Ion:113 Resp: 118023

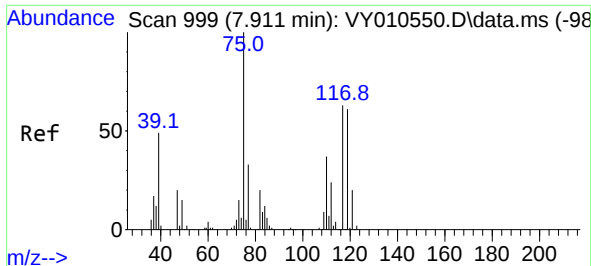
Ion Ratio Lower Upper

113 100

111 103.3 82.6 124.0

192 19.7 17.6 26.4





#36

1,1-Dichloropropene

Concen: 6.555 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010713.D

Acq: 28 Sep 2022 13:58

Instrument :

MSVOA_Y

ClientSampleId :

PE-5

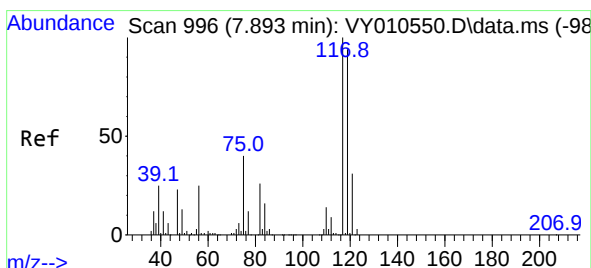
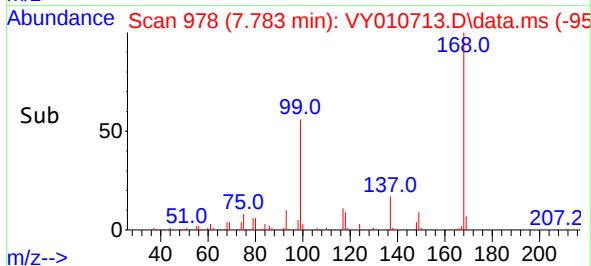
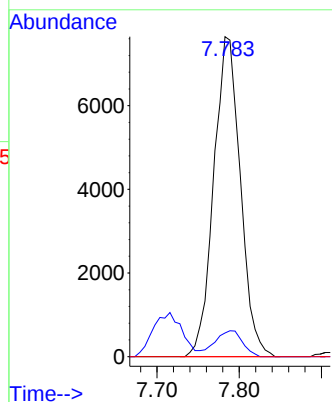
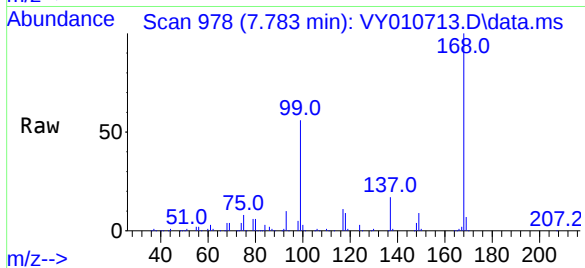
Tgt Ion: 75 Resp: 17203

Ion Ratio Lower Upper

75 100

110 8.4 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 7.288 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY010713.D

Acq: 28 Sep 2022 13:58

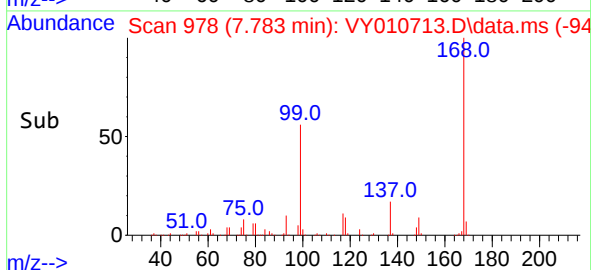
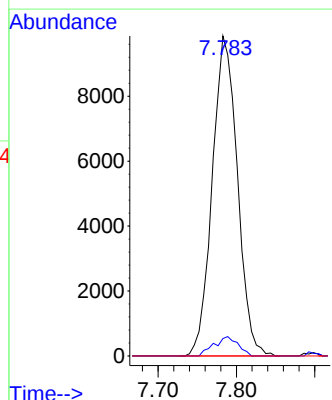
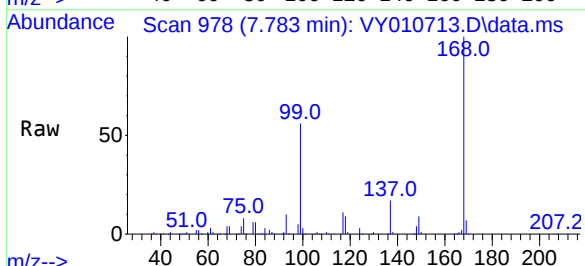
Tgt Ion: 117 Resp: 21991

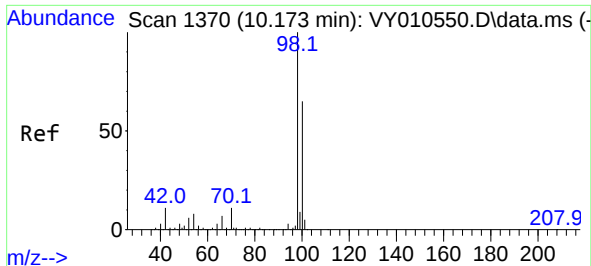
Ion Ratio Lower Upper

117 100

119 5.5 77.9 116.9#

121 0.0 24.8 37.2#

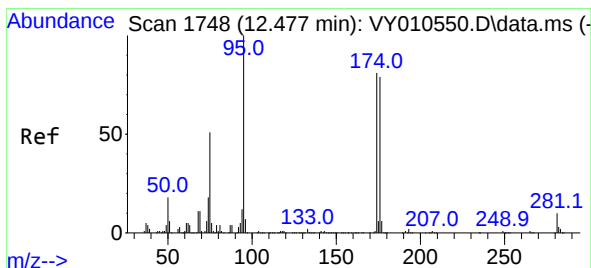
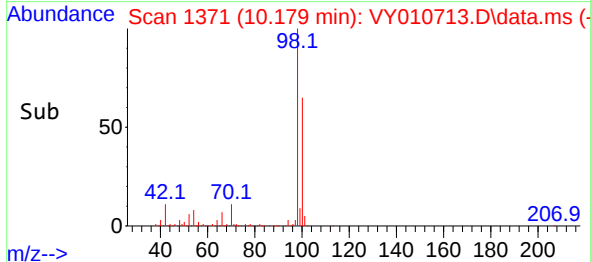
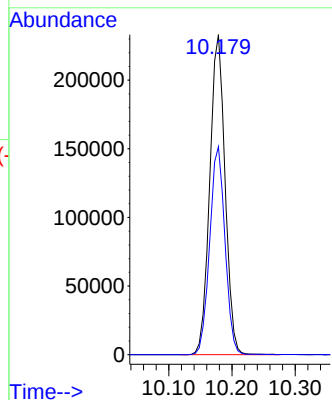
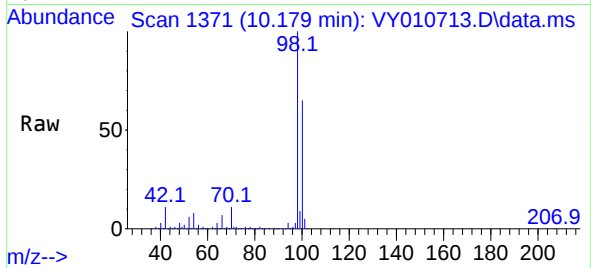




#50
Toluene-d8
Concen: 45.317 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010713.D
Acq: 28 Sep 2022 13:58

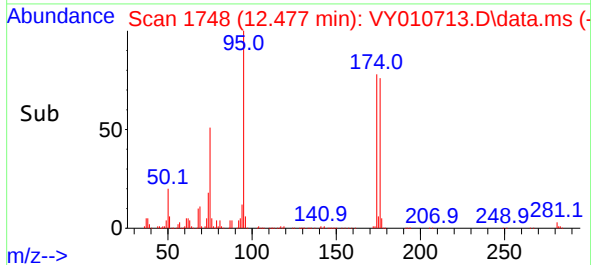
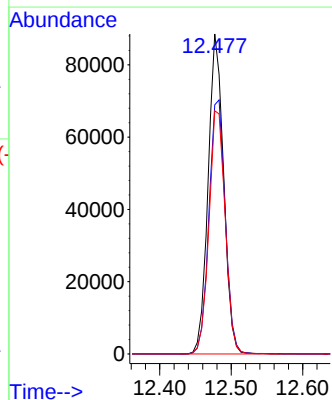
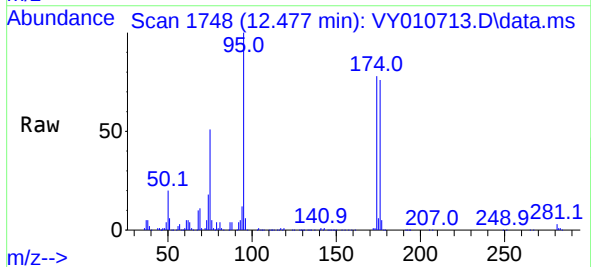
Instrument :
MSVOA_Y
ClientSampleId :
PE-5

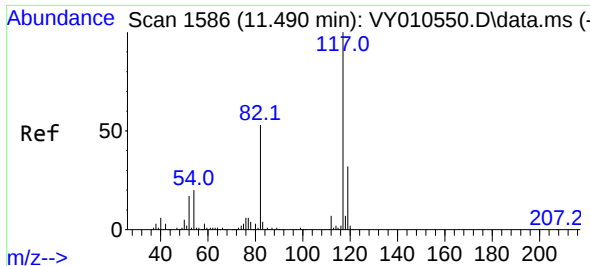
Tgt Ion: 98 Resp: 391765
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.710 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY010713.D
Acq: 28 Sep 2022 13:58

Tgt Ion: 95 Resp: 133140
Ion Ratio Lower Upper
95 100
174 83.4 0.0 177.0
176 79.6 0.0 175.8

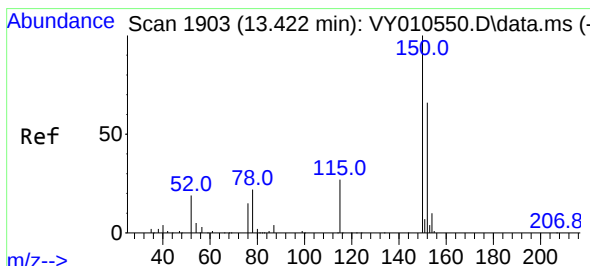
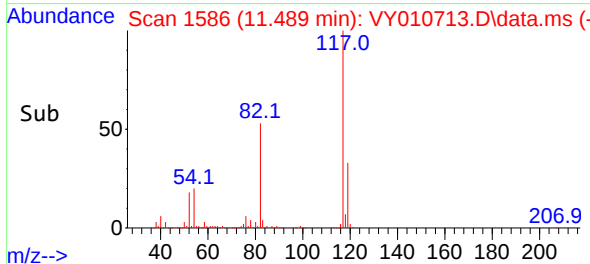
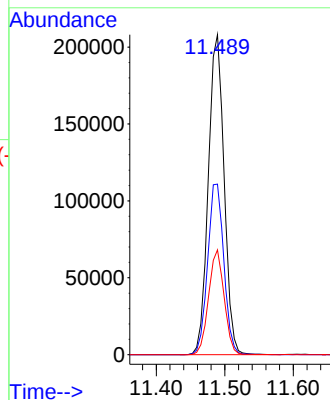
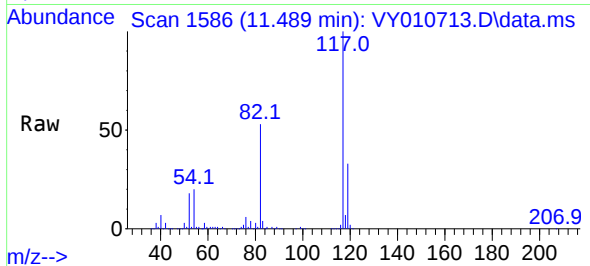




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY010713.D
Acq: 28 Sep 2022 13:58

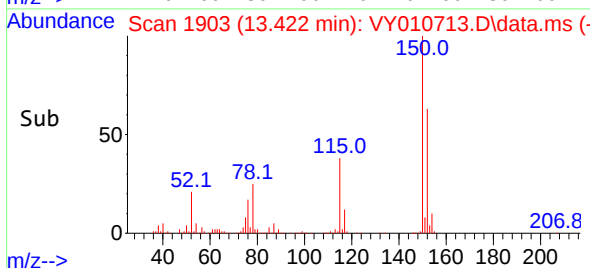
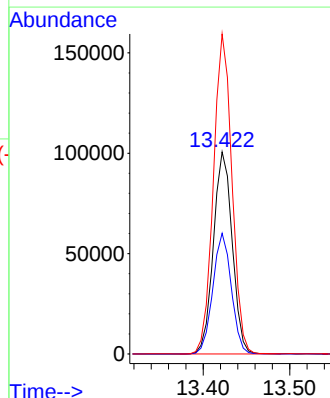
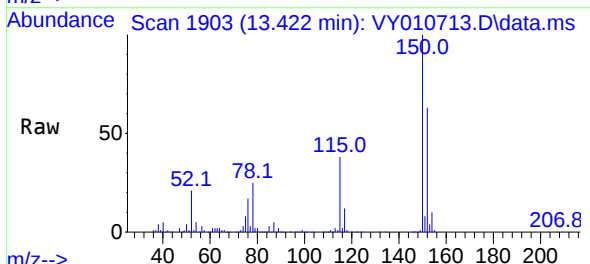
Instrument :
MSVOA_Y
ClientSampleId :
PE-5

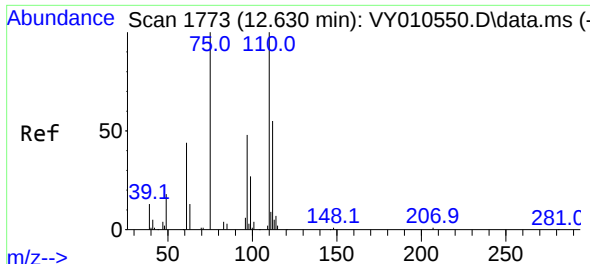
Tgt Ion:117 Resp: 334130
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.4
119 32.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010713.D
Acq: 28 Sep 2022 13:58

Tgt Ion:152 Resp: 151802
Ion Ratio Lower Upper
152 100
115 58.8 28.2 84.7
150 156.2 0.0 347.6

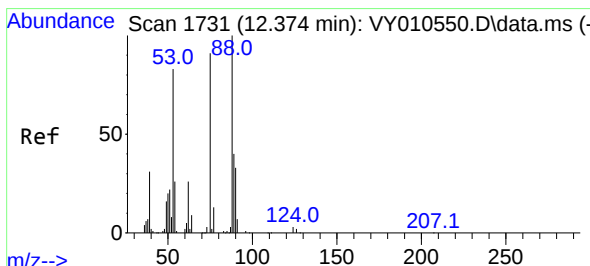
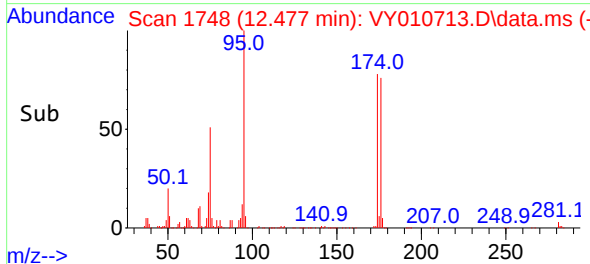
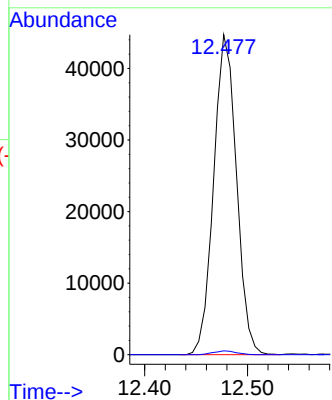
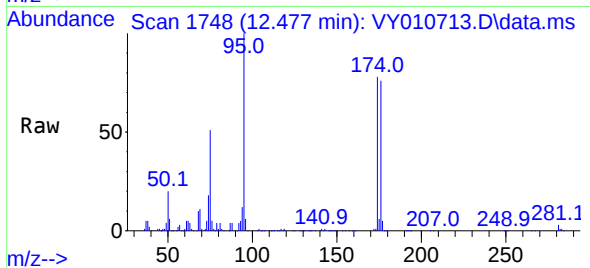




#76
1,2,3-Trichloropropane
Concen: 47.533 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010713.D
Acq: 28 Sep 2022 13:58

Instrument :
MSVOA_Y
ClientSampleId :
PE-5

Tgt Ion: 75 Resp: 68868
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.686 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010713.D
Acq: 28 Sep 2022 13:58

Tgt Ion: 75 Resp: 68868
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

