

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091324\
 Data File : VY019546.D
 Acq On : 13 Sep 2024 17:55
 Operator : SY/MD
 Sample : P3985-03
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-7

Quant Time: Sep 13 23:35:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	37548	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	58321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	37939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	8751	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	14248	40.980	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.960%
35) Dibromofluoromethane	7.628	113	15938	48.199	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.400%
50) Toluene-d8	10.103	98	63001	51.511	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.020%
62) 4-Bromofluorobenzene	12.401	95	13134	27.928	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	55.860%

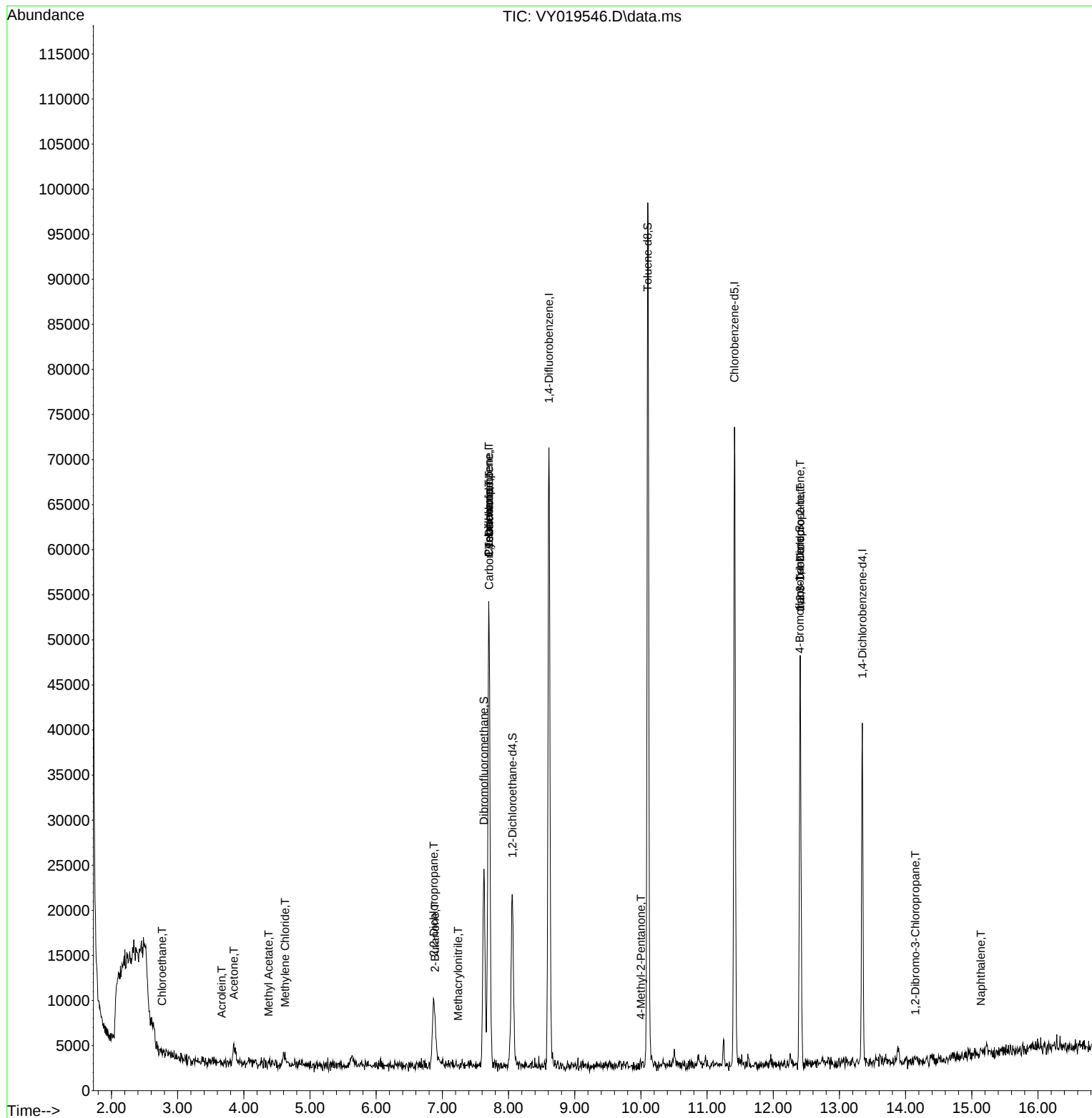
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.861	85	22	Below Cal	#	43
6) Chloroethane	2.763	64	336	1.530	ug/l	# 42
13) Acrolein	3.665	56	214	1.594	ug/l	# 81
16) Acetone	3.848	43	3819	46.106	ug/l	# 85
18) Methyl Acetate	4.372	43	268	1.192	ug/l	# 46
20) Methylene Chloride	4.622	84	877	2.322	ug/l	# 67
25) 2-Butanone	6.890	43	1577	13.386	ug/l	# 41
26) 2,2-Dichloropropane	6.872	77	737	1.187	ug/l	# 51
31) Cyclohexane	7.701	56	996	1.601	ug/l	# 21
36) 1,1-Dichloropropene	7.701	75	3582	7.961	ug/l	# 47
38) Carbon Tetrachloride	7.707	117	4289	8.453	ug/l	# 13
41) Methacrylonitrile	7.238	41	225	1.674	ug/l	# 34
51) 4-Methyl-2-Pentanone	9.999	43	321	1.317	ug/l	# 31
76) 1,2,3-Trichloropropane	12.407	75	7397	90.183	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.407	75	7397	173.125	ug/l	# 16
92) 1,2-Dibromo-3-Chloropr...	14.145	75	45	2.396	ug/l	# 1
95) Naphthalene	15.139	128	479	1.611	ug/l	# 69

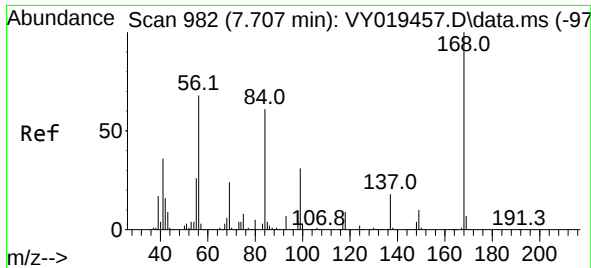
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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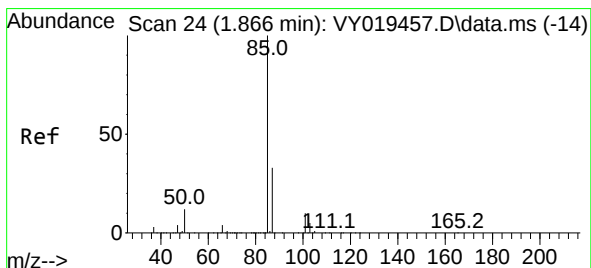
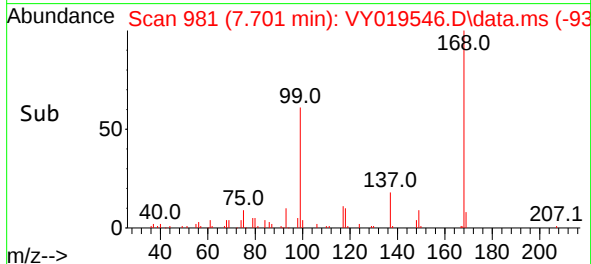
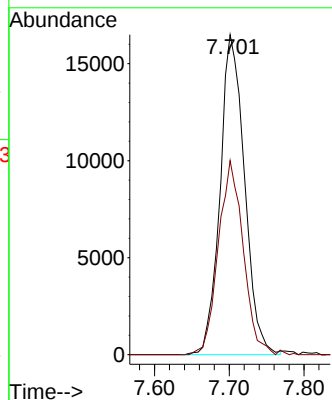
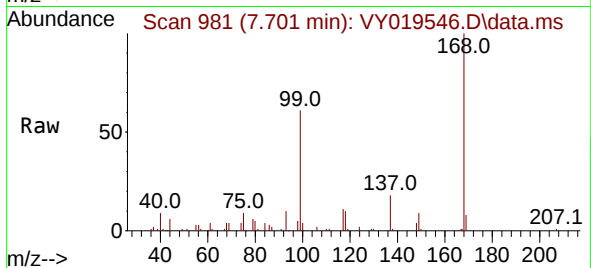




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019546.D
Acq: 13 Sep 2024 17:55

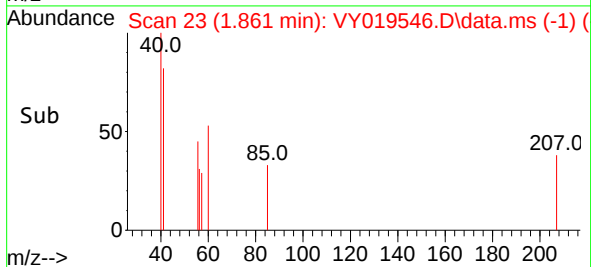
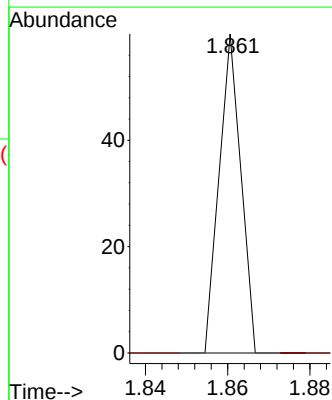
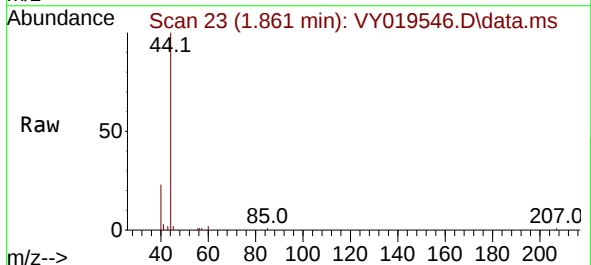
Instrument :
MSVOA_Y
ClientSampleId :
TP-7

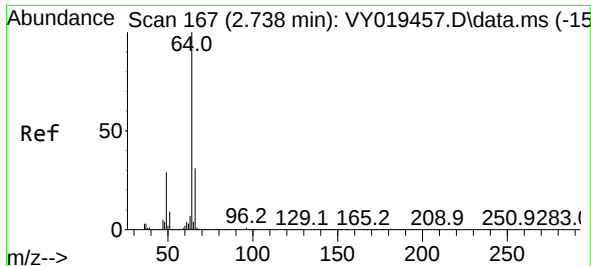
Tgt Ion:168 Resp: 37548
Ion Ratio Lower Upper
168 100
99 60.7 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.861 min Scan# 23
Delta R.T. -0.005 min
Lab File: VY019546.D
Acq: 13 Sep 2024 17:55

Tgt Ion: 85 Resp: 22
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#

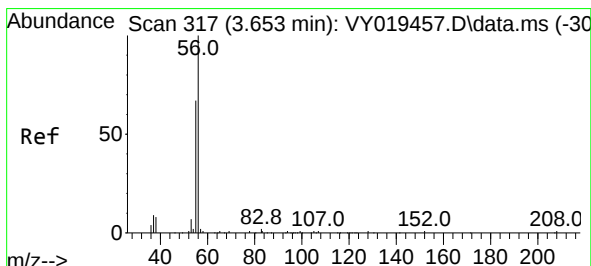
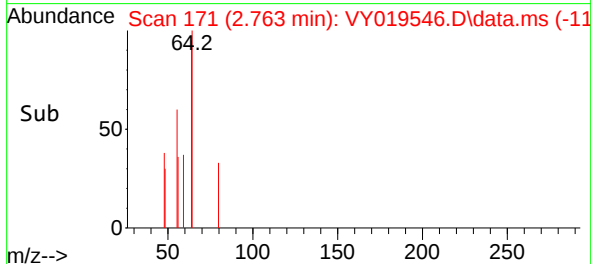
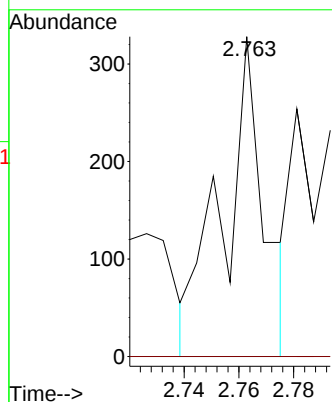
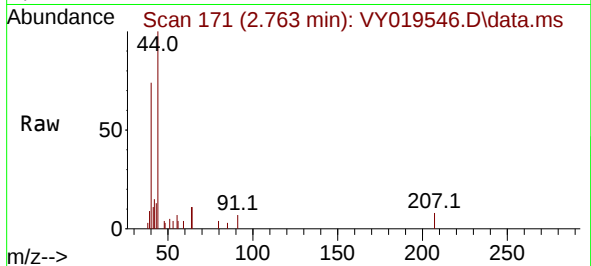




#6
Chloroethane
Concen: 1.530 ug/l
RT: 2.763 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY019546.D
Acq: 13 Sep 2024 17:55

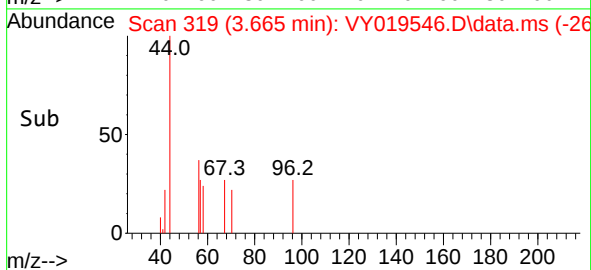
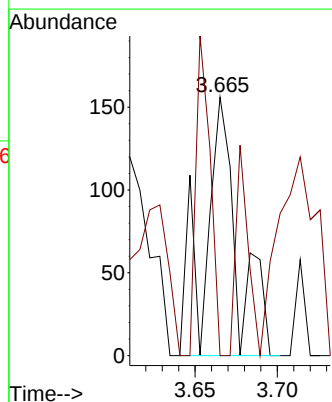
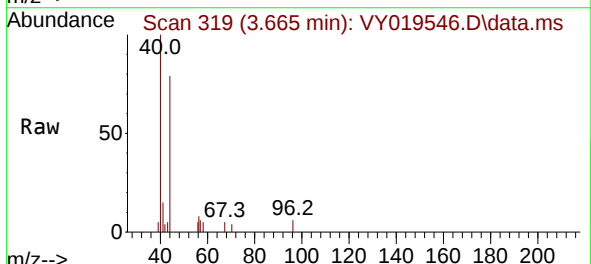
Instrument :
MSVOA_Y
ClientSampleId :
TP-7

Tgt Ion: 64 Resp: 336
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#13
Acrolein
Concen: 1.594 ug/l
RT: 3.665 min Scan# 319
Delta R.T. 0.012 min
Lab File: VY019546.D
Acq: 13 Sep 2024 17:55

Tgt Ion: 56 Resp: 214
Ion Ratio Lower Upper
56 100
55 54.2 55.7 83.5#

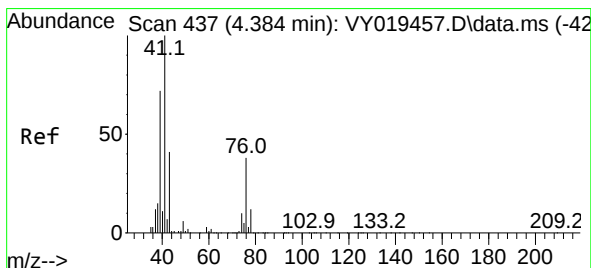
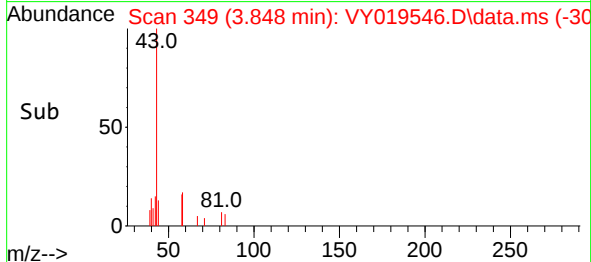
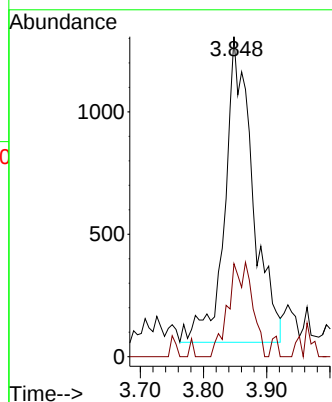
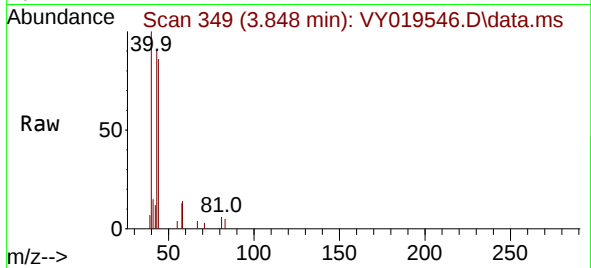




#16
Acetone
Concen: 46.106 ug/l
RT: 3.848 min Scan# 349
Delta R.T. -0.024 min
Lab File: VY019546.D
Acq: 13 Sep 2024 17:55

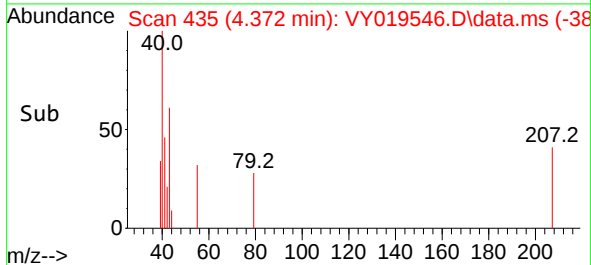
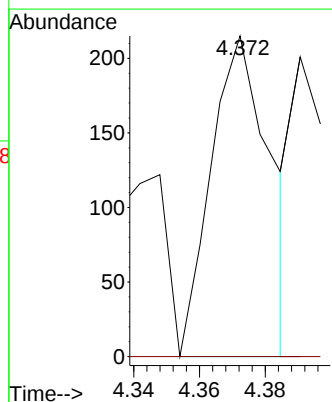
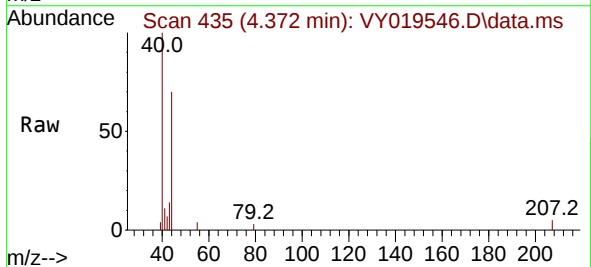
Instrument :
MSVOA_Y
ClientSampleId :
TP-7

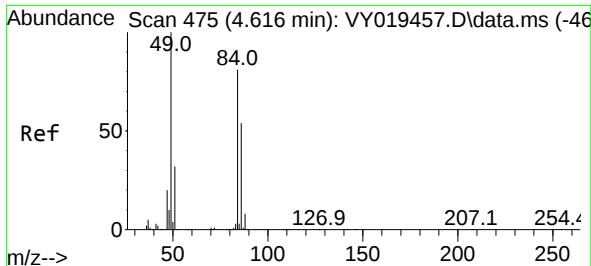
Tgt Ion: 43 Resp: 3819
Ion Ratio Lower Upper
43 100
58 30.4 31.7 47.5#



#18
Methyl Acetate
Concen: 1.192 ug/l
RT: 4.372 min Scan# 435
Delta R.T. -0.012 min
Lab File: VY019546.D
Acq: 13 Sep 2024 17:55

Tgt Ion: 43 Resp: 268
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#

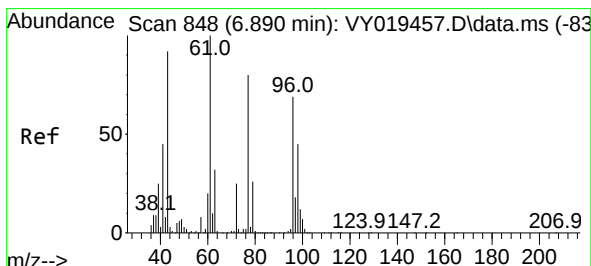
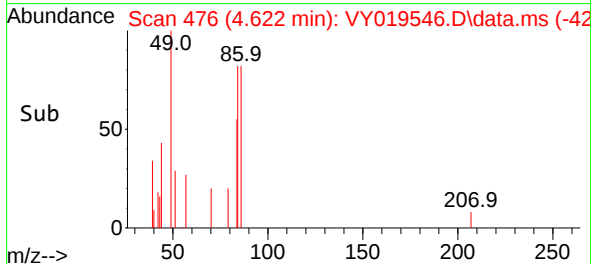
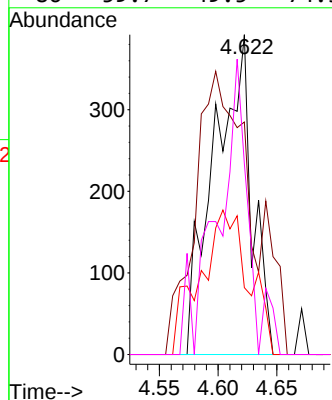
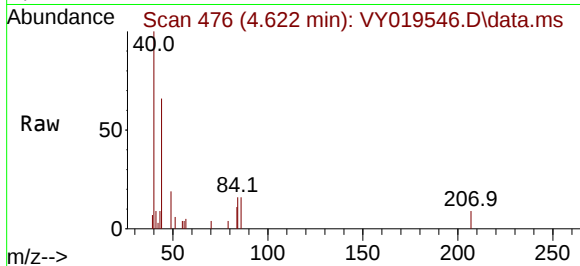




#20
Methylene Chloride
Concen: 2.322 ug/l
RT: 4.622 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY019546.D
Acq: 13 Sep 2024 17:55

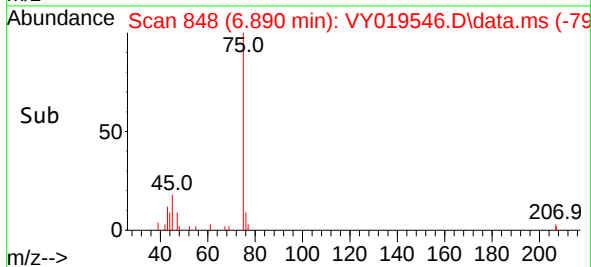
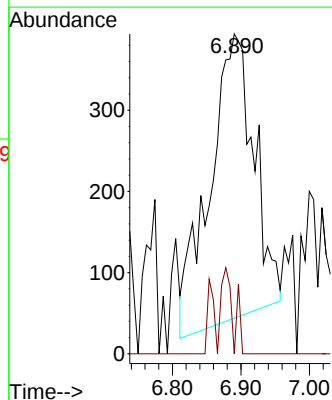
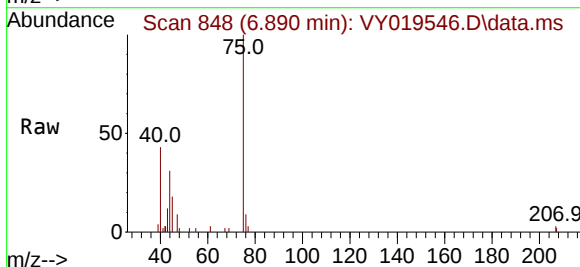
Instrument :
MSVOA_Y
ClientSampleId :
TP-7

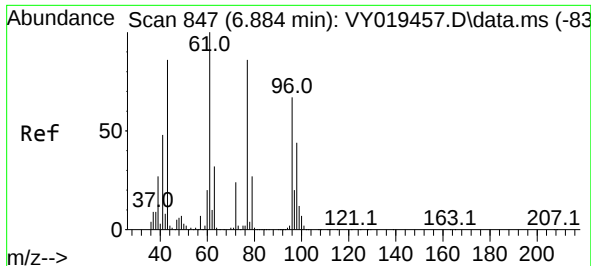
Tgt Ion:	84	Resp:	877
Ion	Ratio	Lower	Upper
84	100		
49	49.7	84.4	126.6#
51	20.9	26.0	39.0#
86	59.7	49.5	74.3



#25
2-Butanone
Concen: 13.386 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY019546.D
Acq: 13 Sep 2024 17:55

Tgt Ion:	43	Resp:	1577
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#





#26

2,2-Dichloropropane

Concen: 1.187 ug/l

RT: 6.872 min Scan# 847

Delta R.T. -0.012 min

Lab File: VY019546.D

Acq: 13 Sep 2024 17:55

Instrument :

MSVOA_Y

ClientSampleId :

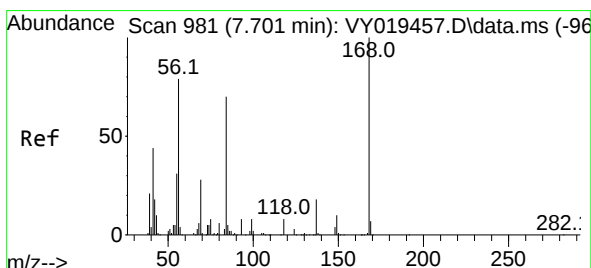
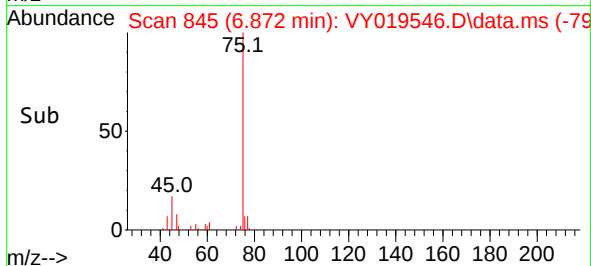
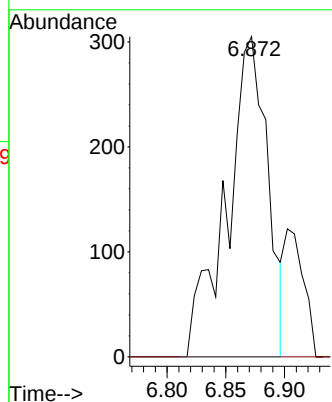
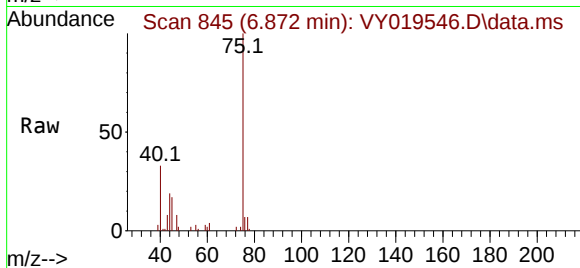
TP-7

Tgt Ion: 77 Resp: 737

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#



#31

Cyclohexane

Concen: 1.601 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY019546.D

Acq: 13 Sep 2024 17:55

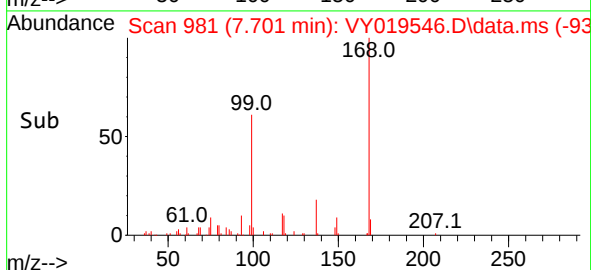
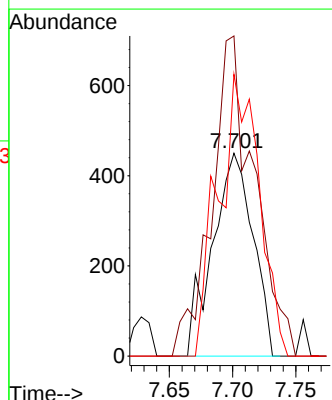
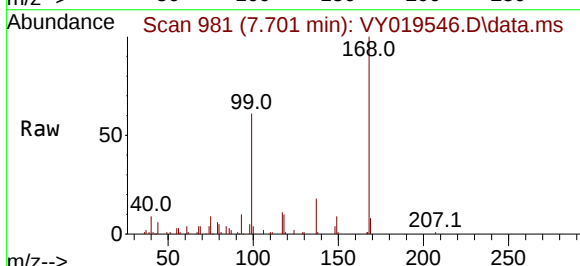
Tgt Ion: 56 Resp: 996

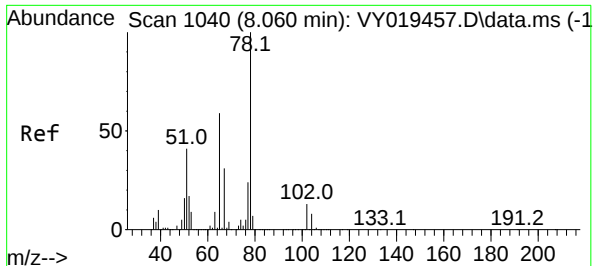
Ion Ratio Lower Upper

56 100

69 140.9 28.7 43.1#

84 138.9 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 40.980 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY019546.D

Acq: 13 Sep 2024 17:55

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ClientSampleId :

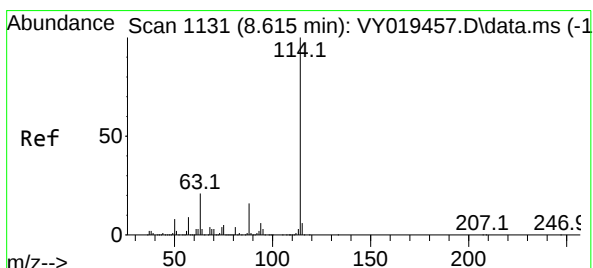
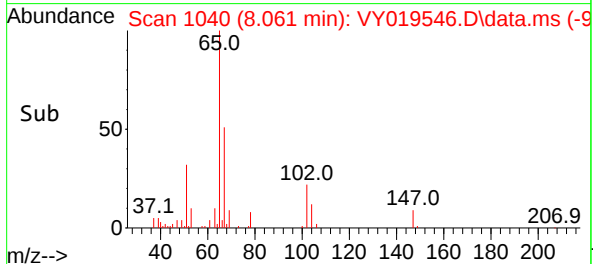
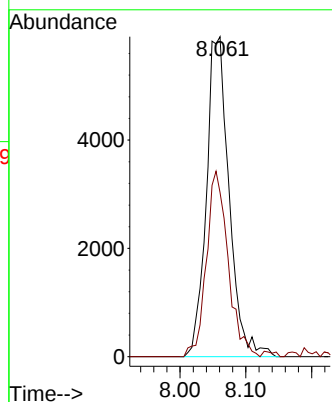
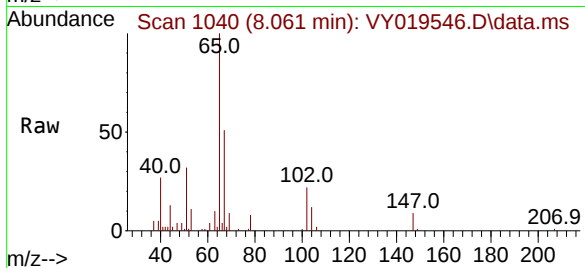
TP-7

Tgt Ion: 65 Resp: 14248

Ion Ratio Lower Upper

65 100

67 55.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY019546.D

Acq: 13 Sep 2024 17:55

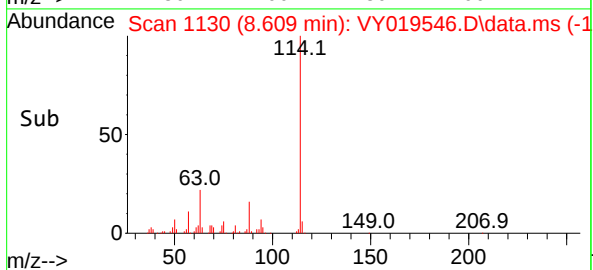
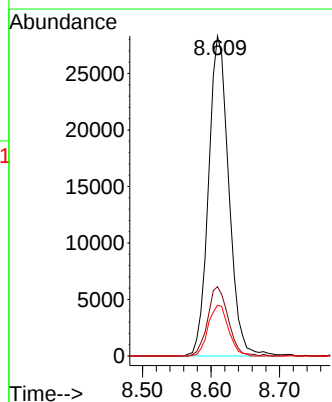
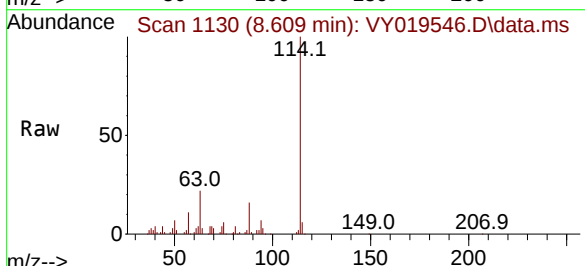
Tgt Ion: 114 Resp: 58321

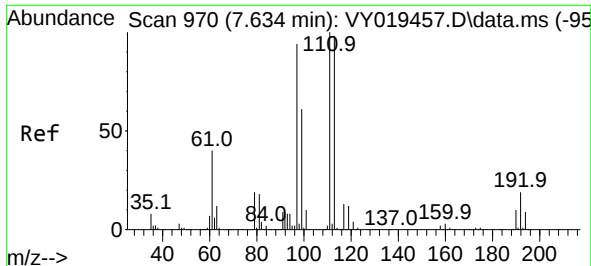
Ion Ratio Lower Upper

114 100

63 21.7 0.0 35.0

88 15.9 0.0 27.2

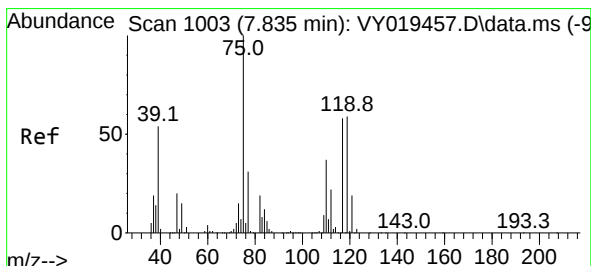
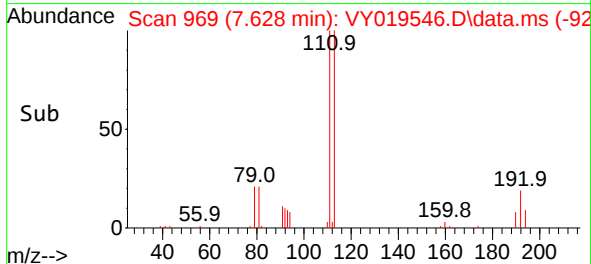
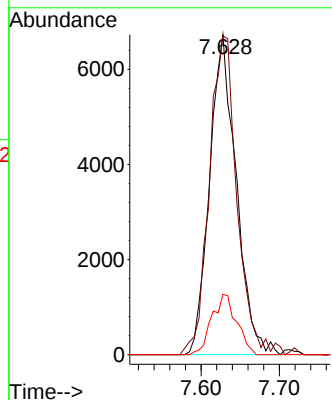
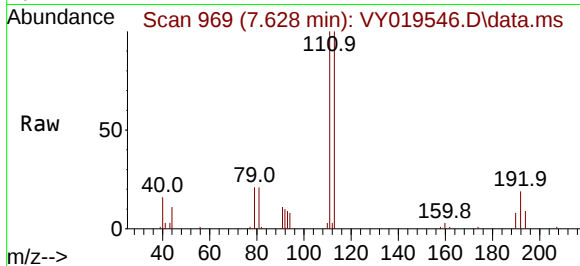




#35
Dibromofluoromethane
Concen: 48.199 ug/l
RT: 7.628 min Scan# 901
Delta R.T. -0.006 min
Lab File: VY019546.D
Acq: 13 Sep 2024 17:55

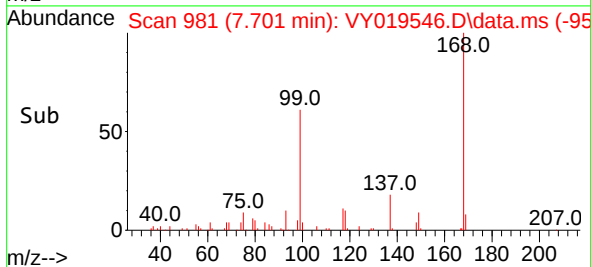
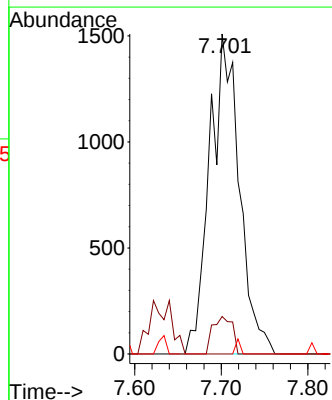
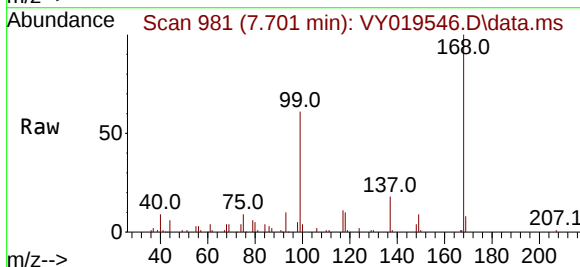
Instrument :
MSVOA_Y
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TP-7

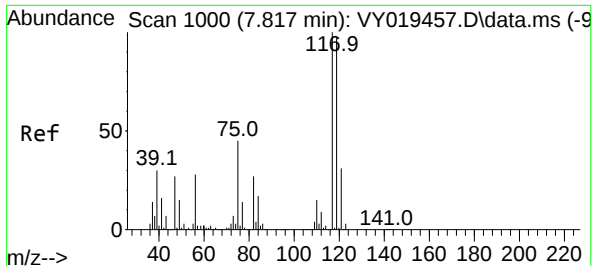
Tgt Ion:113 Resp: 15938
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.4
192 17.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 7.961 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY019546.D
Acq: 13 Sep 2024 17:55

Tgt Ion: 75 Resp: 3582
Ion Ratio Lower Upper
75 100
110 7.7 19.0 57.0#
77 0.7 25.3 37.9#

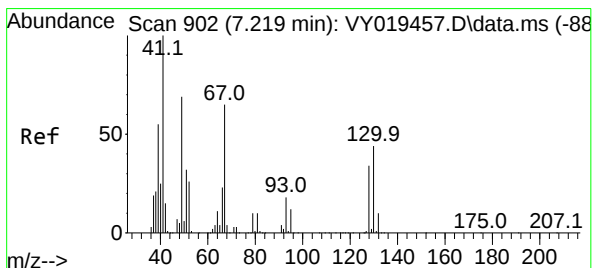
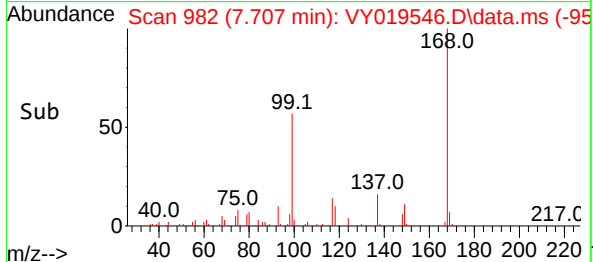
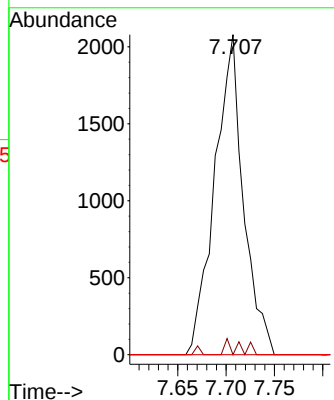
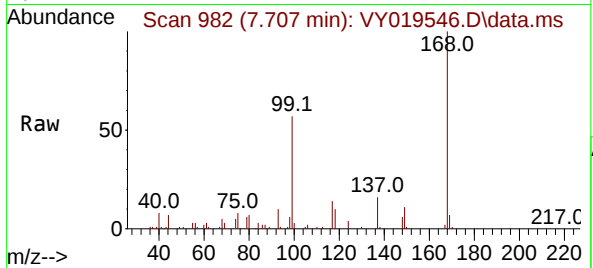




#38
Carbon Tetrachloride
Concen: 8.453 ug/l
RT: 7.707 min Scan# 911
Delta R.T. -0.110 min
Lab File: VY019546.D
Acq: 13 Sep 2024 17:55

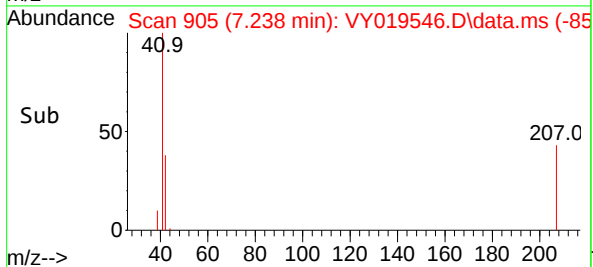
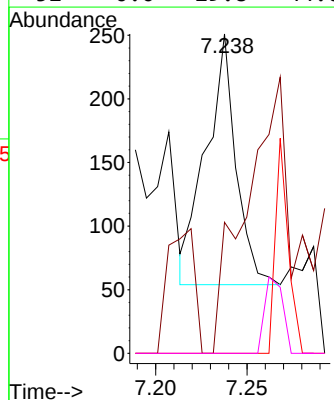
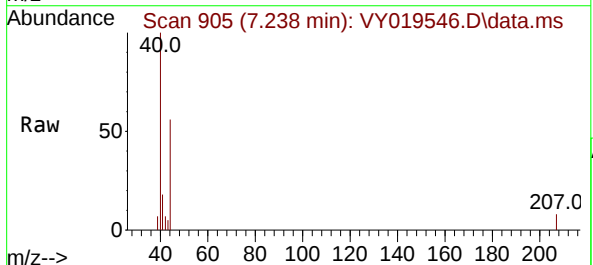
Instrument :
MSVOA_Y
ClientSampleId :
TP-7

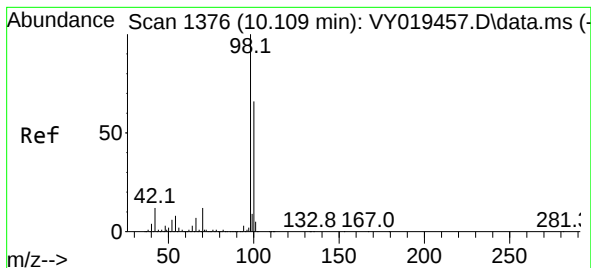
Tgt Ion:117 Resp: 4289
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#41
Methacrylonitrile
Concen: 1.674 ug/l
RT: 7.238 min Scan# 905
Delta R.T. 0.019 min
Lab File: VY019546.D
Acq: 13 Sep 2024 17:55

Tgt Ion: 41 Resp: 225
Ion Ratio Lower Upper
41 100
39 44.4 48.0 72.0#
67 0.0 75.1 112.7#
52 0.0 29.8 44.6#





#50

Toluene-d8

Concen: 51.511 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY019546.D

Acq: 13 Sep 2024 17:55

Instrument :

MSVOA_Y

ClientSampleId :

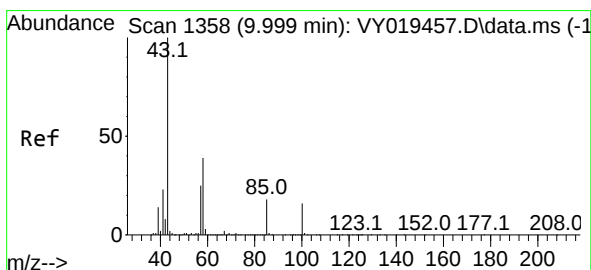
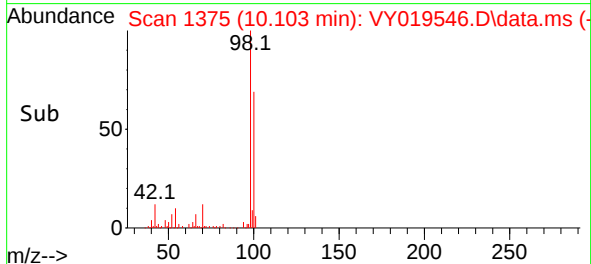
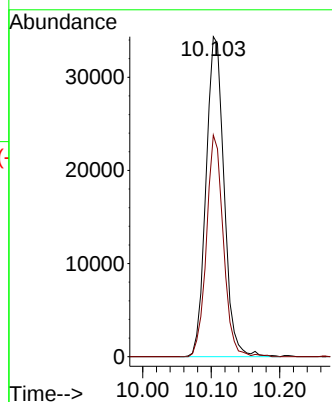
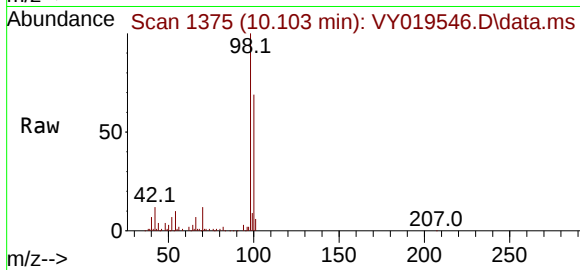
TP-7

Tgt Ion: 98 Resp: 63001

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.317 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY019546.D

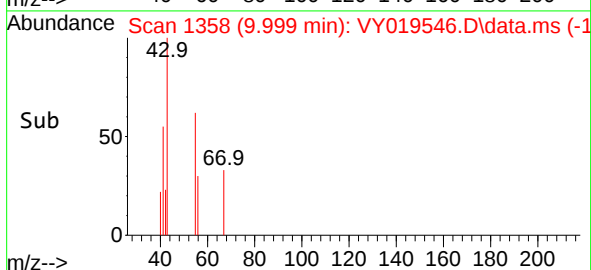
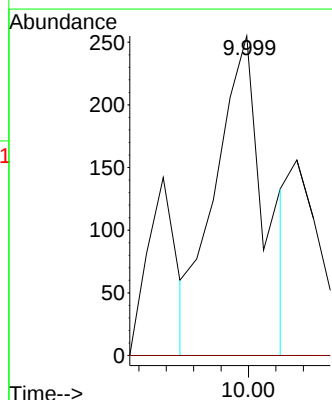
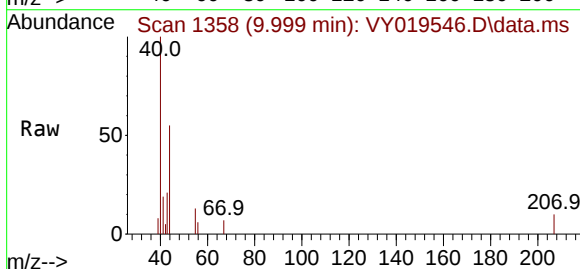
Acq: 13 Sep 2024 17:55

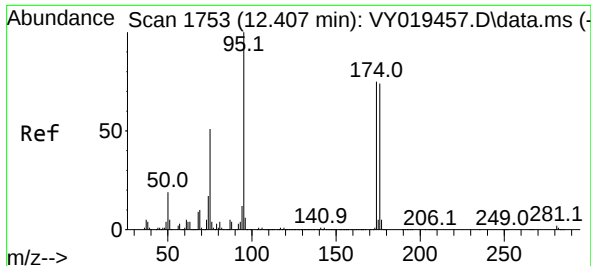
Tgt Ion: 43 Resp: 321

Ion Ratio Lower Upper

43 100

58 0.0 35.7 53.5#





#62

4-Bromofluorobenzene

Concen: 27.928 ug/l

RT: 12.401 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019546.D

Acq: 13 Sep 2024 17:55

Instrument :

MSVOA_Y

ClientSampleId :

TP-7

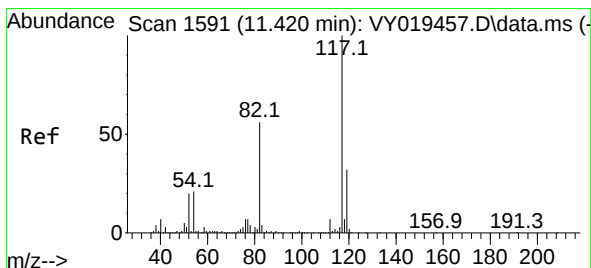
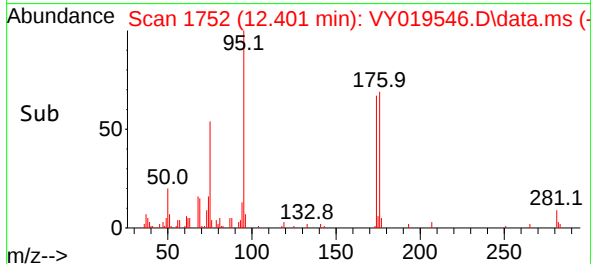
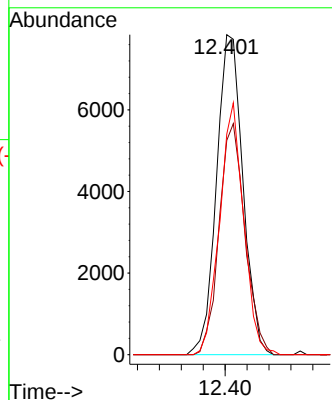
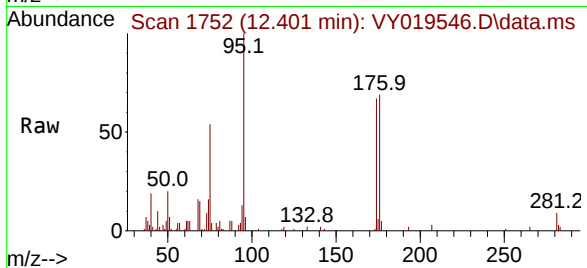
Tgt Ion: 95 Resp: 13134

Ion Ratio Lower Upper

95 100

174 70.5 0.0 175.6

176 71.5 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY019546.D

Acq: 13 Sep 2024 17:55

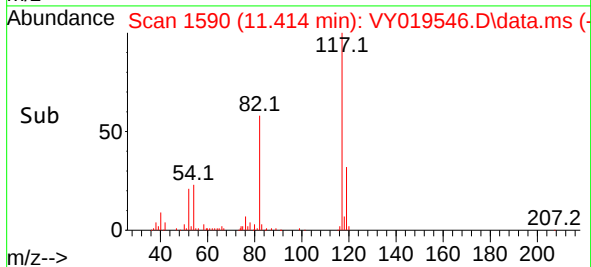
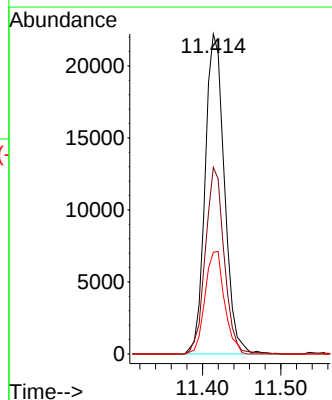
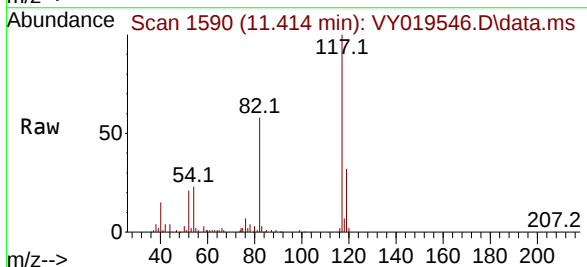
Tgt Ion: 117 Resp: 37939

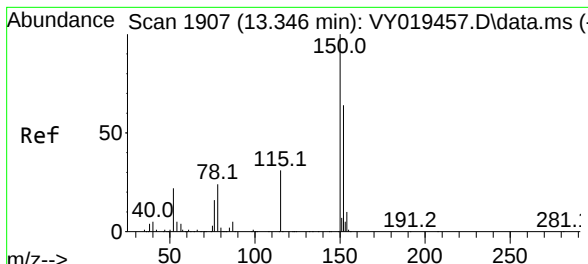
Ion Ratio Lower Upper

117 100

82 58.3 42.4 63.6

119 31.7 25.9 38.9

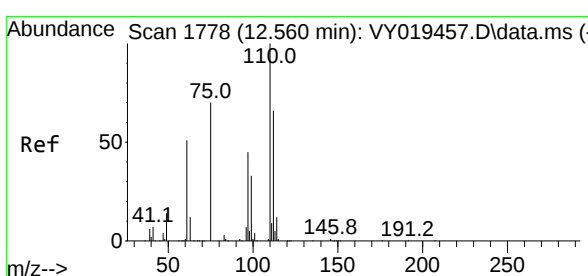
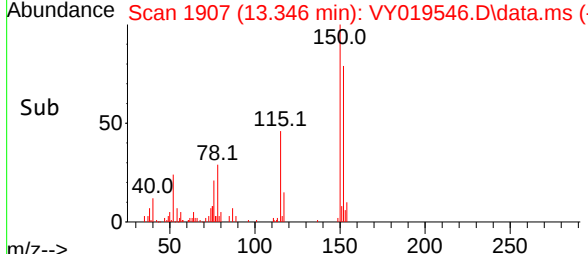
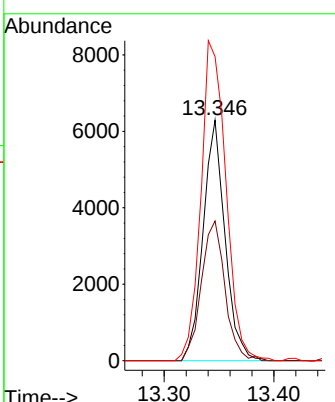
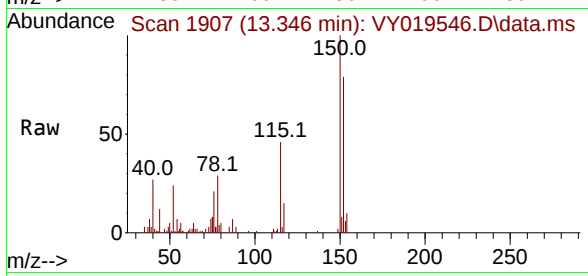




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY019546.D
 Acq: 13 Sep 2024 17:55

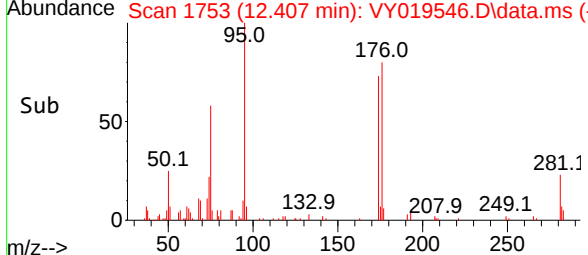
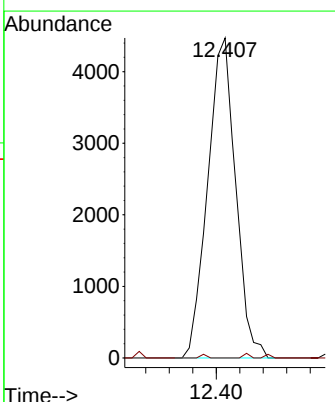
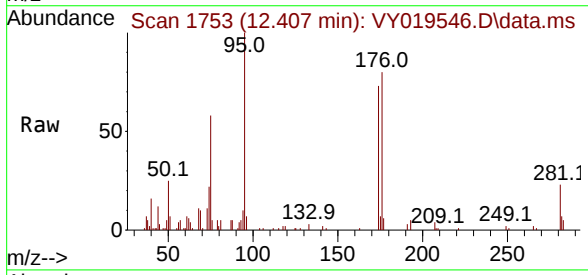
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-7

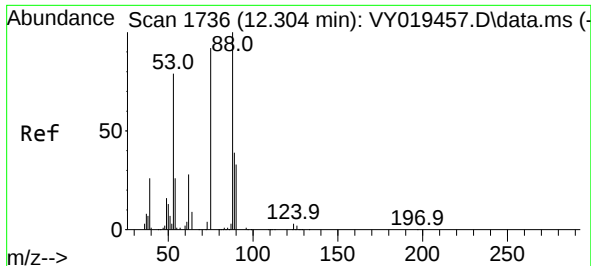
Tgt Ion:	152	Resp:	8751
Ion Ratio	Lower	Upper	
152	100		
115	62.7	28.2	84.7
150	151.6	0.0	345.6



#76
 1,2,3-Trichloropropane
 Concen: 90.183 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY019546.D
 Acq: 13 Sep 2024 17:55

Tgt Ion:	75	Resp:	7397
Ion Ratio	Lower	Upper	
75	100		
77	0.3	0.0	0.0#

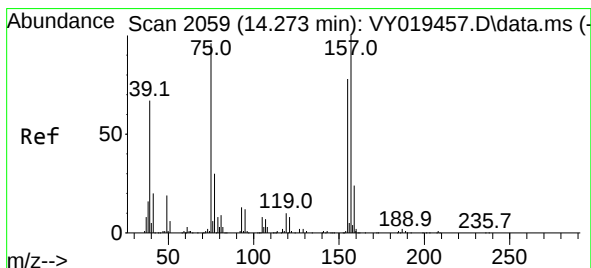
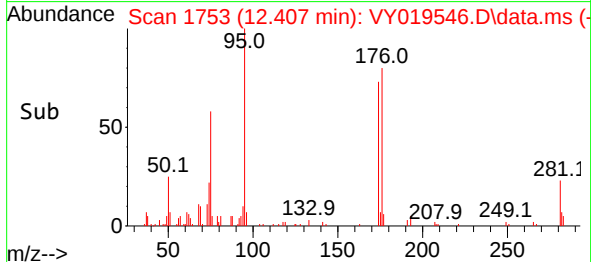
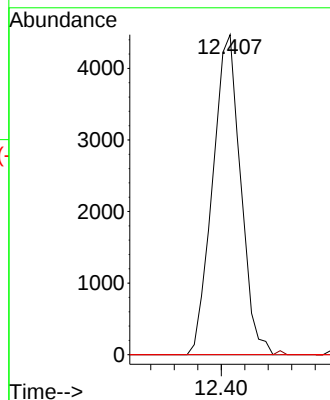
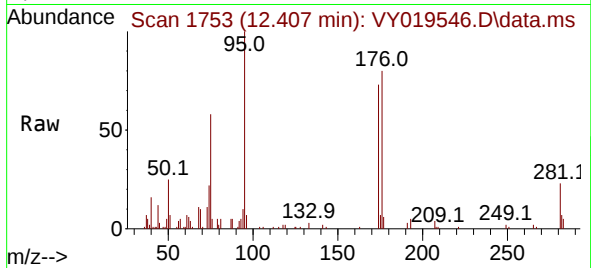




#81
trans-1,4-Dichloro-2-butene
Concen: 173.125 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY019546.D
Acq: 13 Sep 2024 17:55

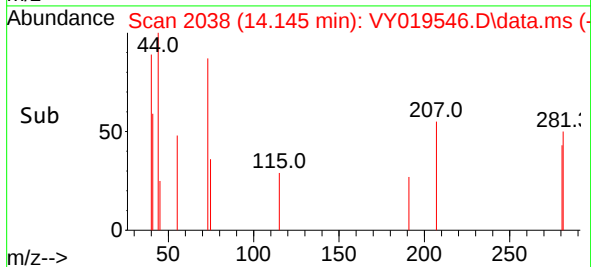
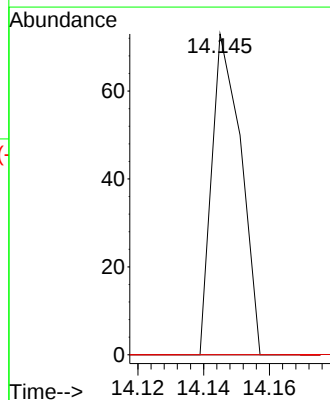
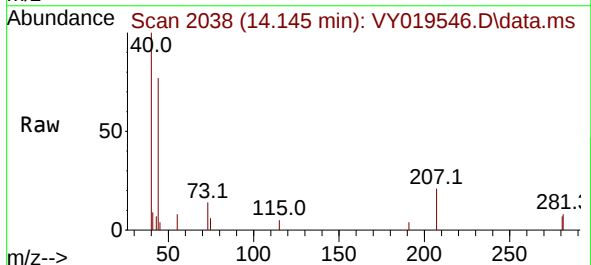
Instrument :
MSVOA_Y
ClientSampleId :
TP-7

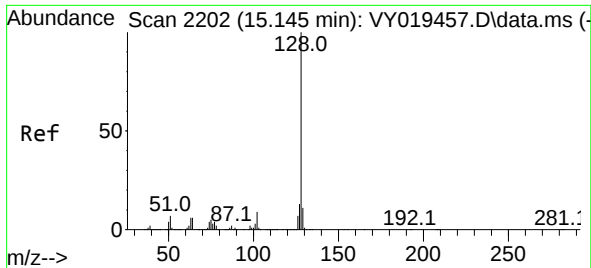
Tgt Ion:	75	Resp:	7397
Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.0	35.8	53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.396 ug/l
RT: 14.145 min Scan# 2038
Delta R.T. -0.128 min
Lab File: VY019546.D
Acq: 13 Sep 2024 17:55

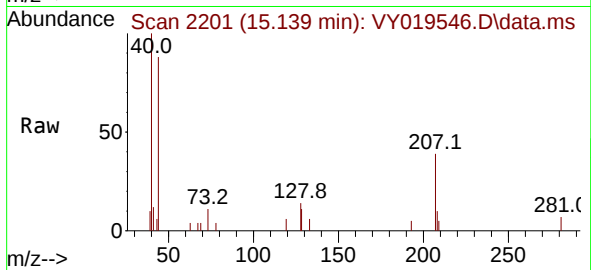
Tgt Ion:	75	Resp:	45
Ion	Ratio	Lower	Upper
75	100		
155	0.0	48.6	145.8#
157	0.0	62.7	188.2#





#95
Naphthalene
Concen: 1.611 ug/l
RT: 15.139 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY019546.D
Acq: 13 Sep 2024 17:55

Instrument :
MSVOA_Y
ClientSampleId :
TP-7



Tgt Ion:128 Resp: 479
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

