

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019205.D
 Acq On : 22 Aug 2024 07:21
 Operator : SY/MD
 Sample : P3671-11
 Misc : 7.77g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 08:22:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

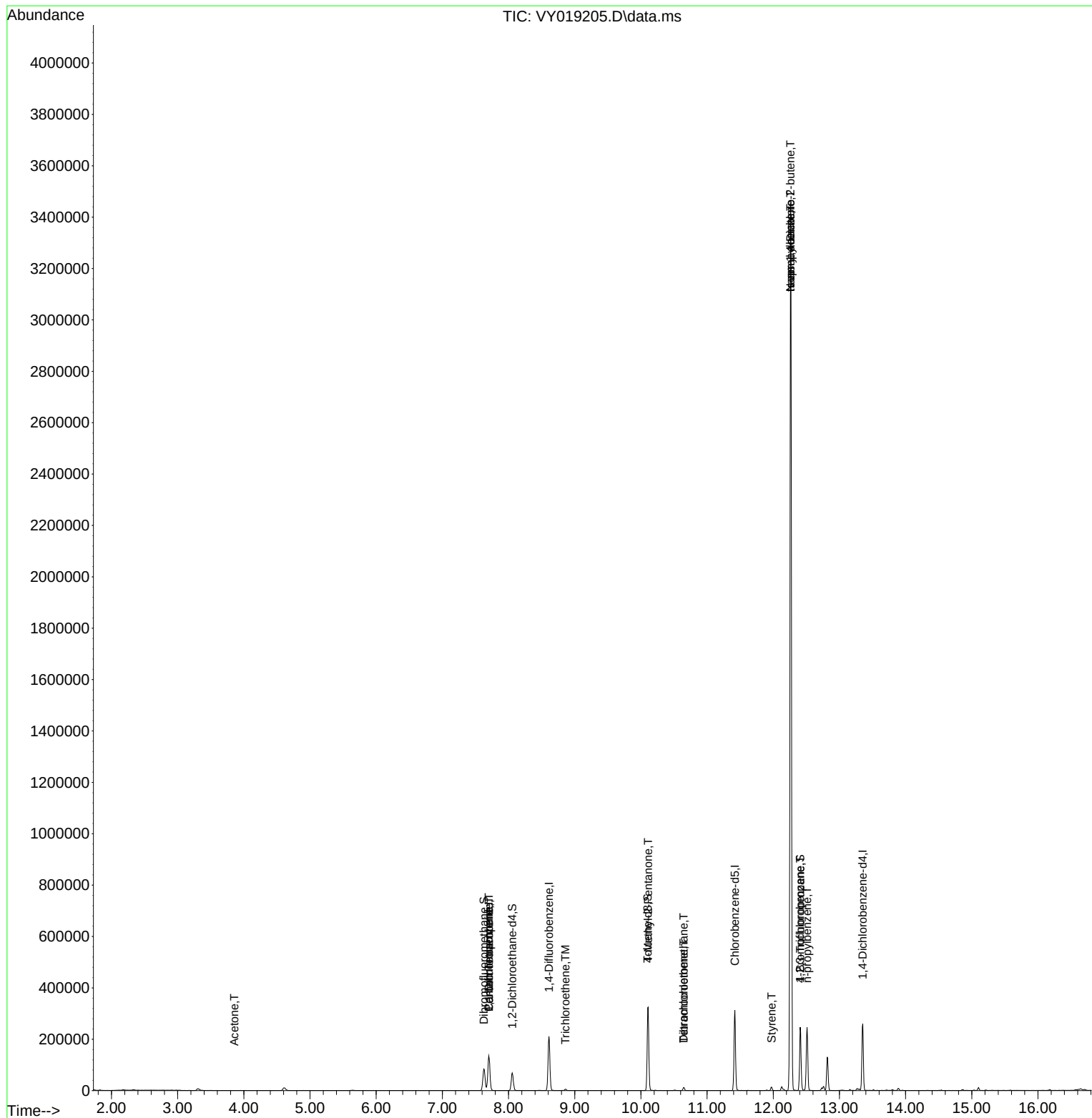
Internal Standards						
1) Pentafluorobenzene	7.701	168	103428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	183434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	163909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	64388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	56020	54.032	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.060%	
35) Dibromofluoromethane	7.628	113	59413	49.536	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.080%	
50) Toluene-d8	10.103	98	208825	48.381	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.760%	
62) 4-Bromofluorobenzene	12.408	95	70924	48.202	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 96.400%	
Target Compounds						Qvalue
5) Bromomethane	2.592	94	113	Below Cal	#	58
6) Chloroethane	2.848	64	86	Below Cal	#	42
16) Acetone	3.854	43	376	1.956	ug/l #	36
20) Methylene Chloride	4.616	84	7790	Below Cal		96
31) Cyclohexane	7.701	56	2202	Below Cal	#	33
36) 1,1-Dichloropropene	7.701	75	7663	4.653	ug/l #	51
38) Carbon Tetrachloride	7.701	117	10415	5.457	ug/l #	16
44) Trichloroethene	8.860	130	1924	1.365	ug/l	99
51) 4-Methyl-2-Pentanone	10.109	43	1122	1.432	ug/l #	1
60) Dibromochloromethane	10.646	129	2047	1.599	ug/l #	10
64) Tetrachloroethene	10.646	164	2510	1.752	ug/l	92
70) Styrene	11.975	104	6702	1.633	ug/l	88
73) Isopropylbenzene	12.261	105	134202	27.194	ug/l #	62
74) N-amyl acetate	12.261	43	58880	54.715	ug/l #	12
76) 1,2,3-Trichloropropane	12.408	75	39531	62.255	ug/l #	100
78) n-propylbenzene	12.511	91	26803	4.543	ug/l #	55
81) trans-1,4-Dichloro-2-b...	12.261	75	4923	19.147	ug/l #	1

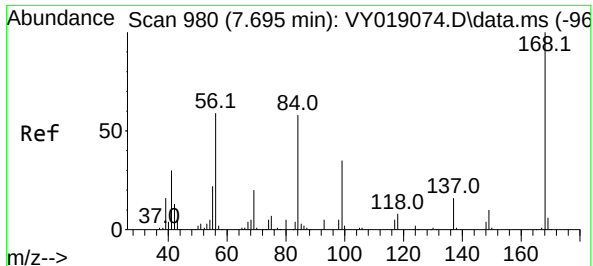
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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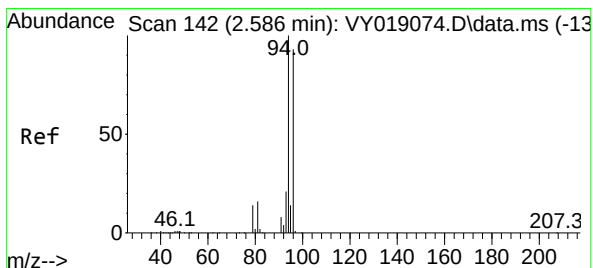
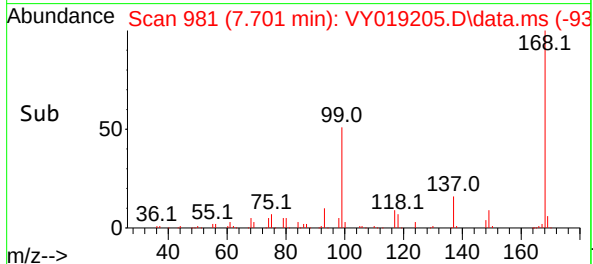
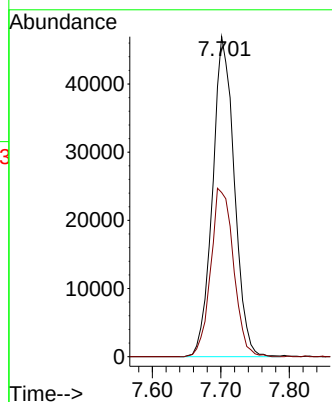
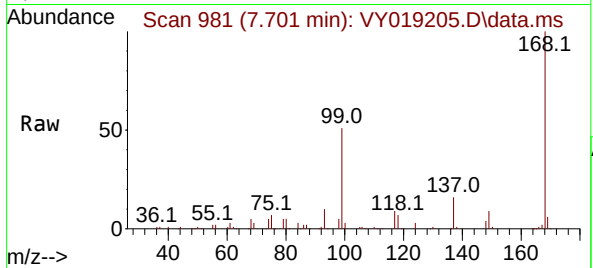




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019205.D
Acq: 22 Aug 2024 07:21

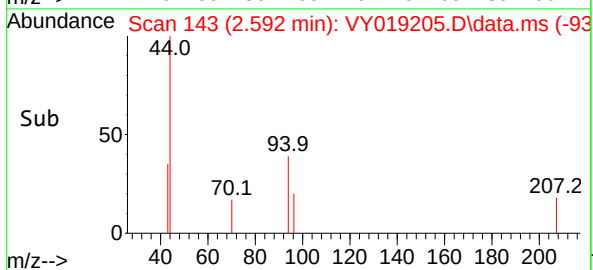
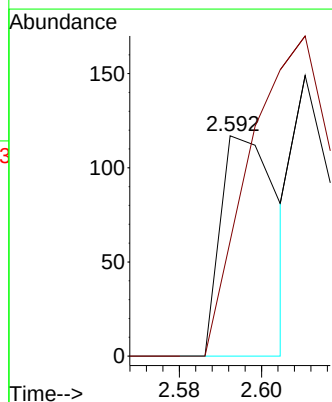
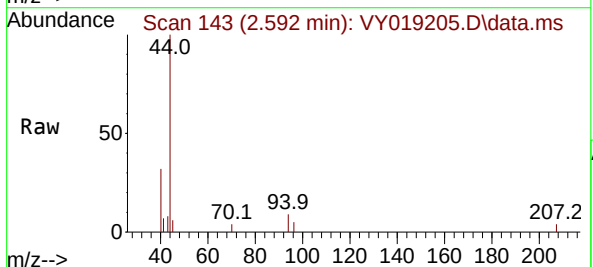
Instrument :
MSVOA_Y
ClientSampleId :

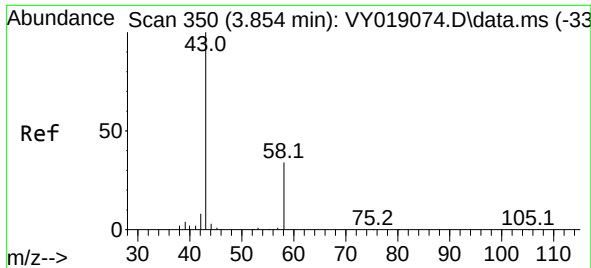
Tgt Ion:168 Resp: 103428
Ion Ratio Lower Upper
168 100
99 51.3 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.592 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY019205.D
Acq: 22 Aug 2024 07:21

Tgt Ion: 94 Resp: 113
Ion Ratio Lower Upper
94 100
96 52.1 74.1 111.1#





#16

Acetone

Concen: 1.956 ug/l

RT: 3.854 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY019205.D

Acq: 22 Aug 2024 07:21

Instrument :

MSVOA_Y

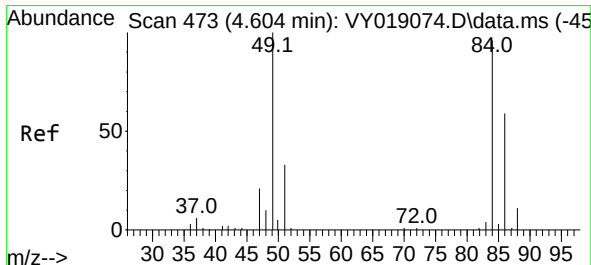
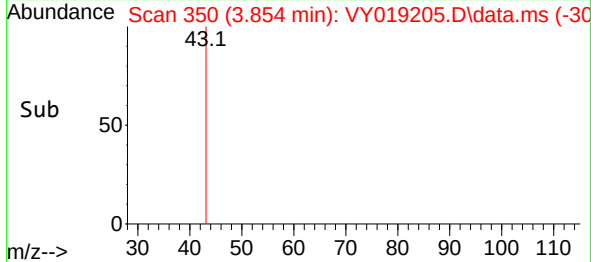
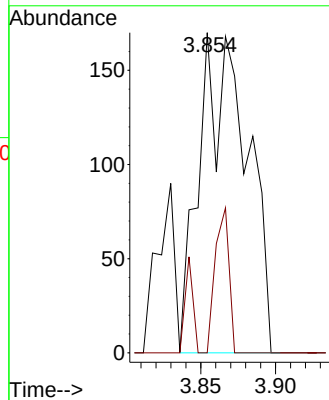
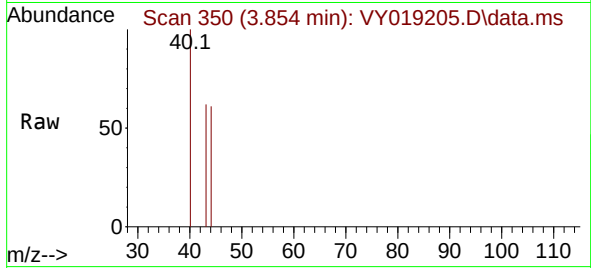
ClientSampleId :

Tgt Ion: 43 Resp: 376

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.616 min Scan# 475

Delta R.T. 0.012 min

Lab File: VY019205.D

Acq: 22 Aug 2024 07:21

Tgt Ion: 84 Resp: 7790

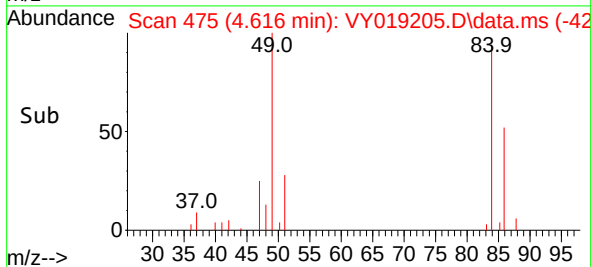
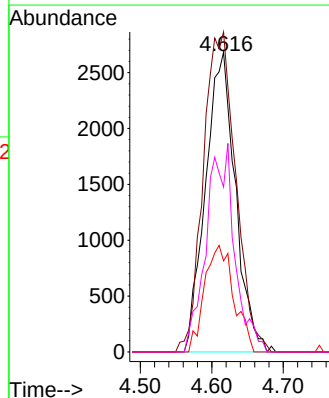
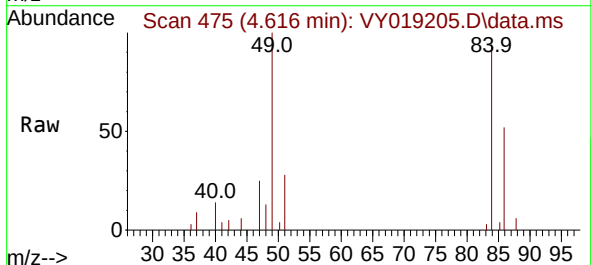
Ion Ratio Lower Upper

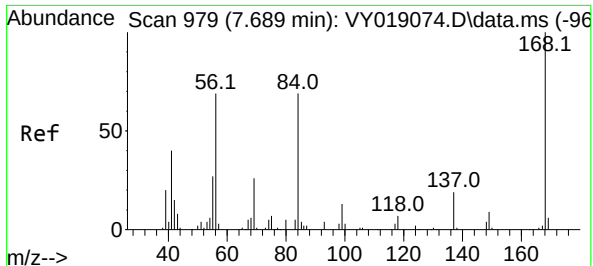
84 100

49 106.7 84.4 126.6

51 30.4 26.0 39.0

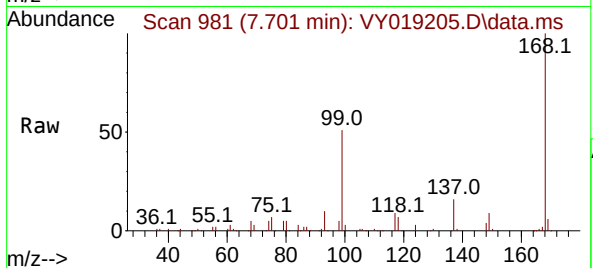
86 55.0 49.5 74.3



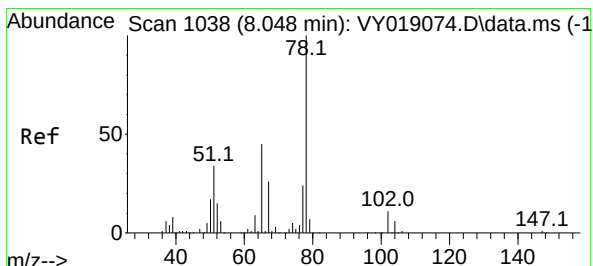
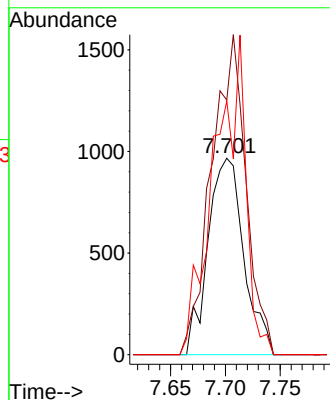
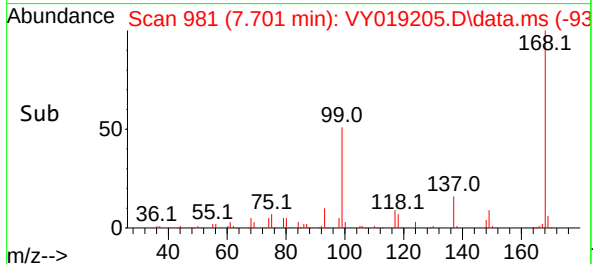


#31
Cyclohexane
Concen: Below Cal
RT: 7.701 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY019205.D
Acq: 22 Aug 2024 07:21

Instrument :
MSVOA_Y
ClientSampleId :

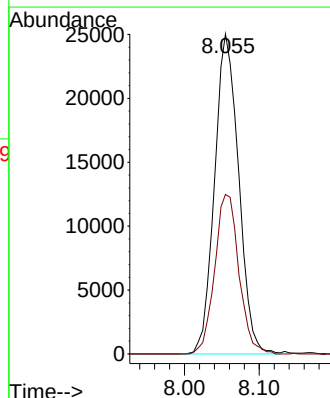
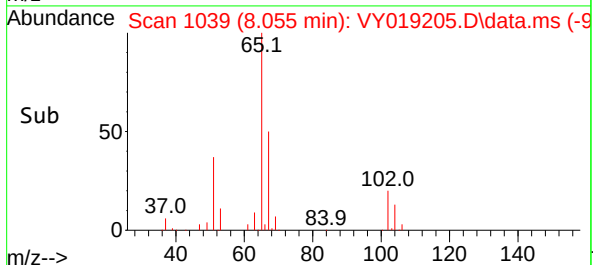
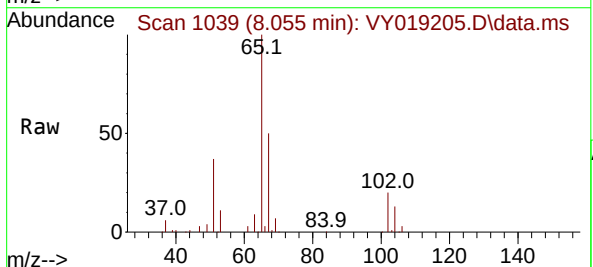


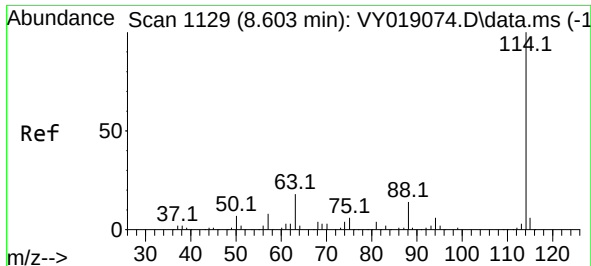
Tgt Ion: 56 Resp: 2202
Ion Ratio Lower Upper
56 100
69 129.6 28.7 43.1#
84 129.2 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 54.032 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY019205.D
Acq: 22 Aug 2024 07:21

Tgt Ion: 65 Resp: 56020
Ion Ratio Lower Upper
65 100
67 50.3 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019205.D

Acq: 22 Aug 2024 07:21

Instrument :

MSVOA_Y

ClientSampleId :

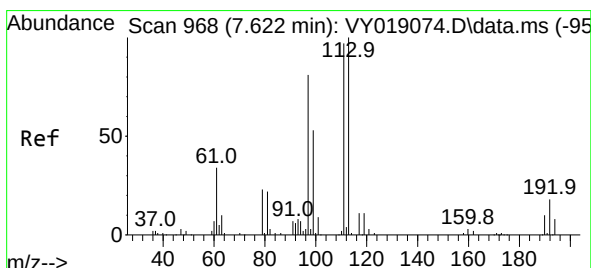
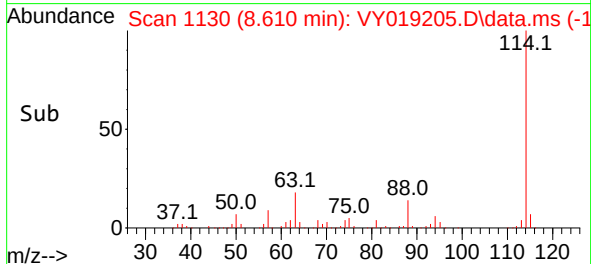
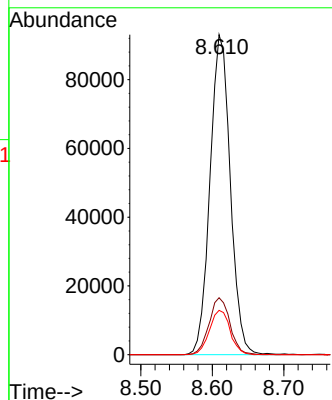
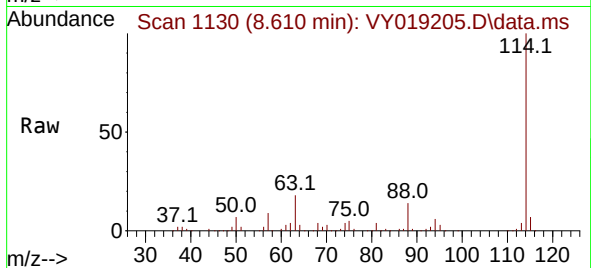
Tgt Ion:114 Resp: 183434

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.0

88 13.8 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.536 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019205.D

Acq: 22 Aug 2024 07:21

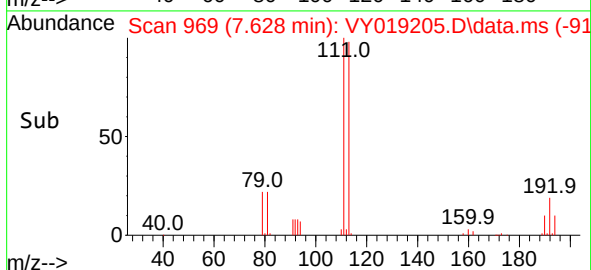
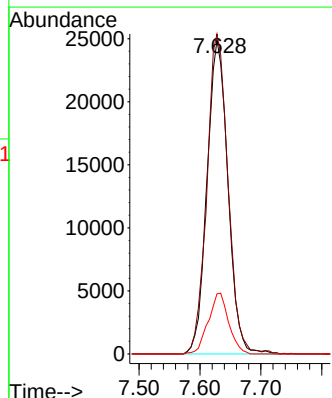
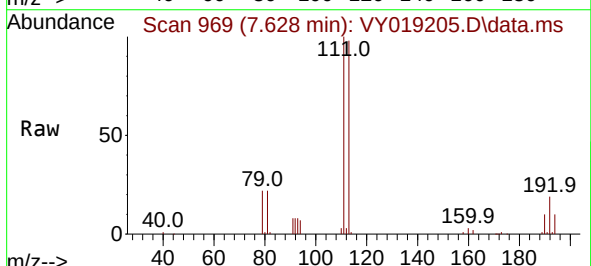
Tgt Ion:113 Resp: 59413

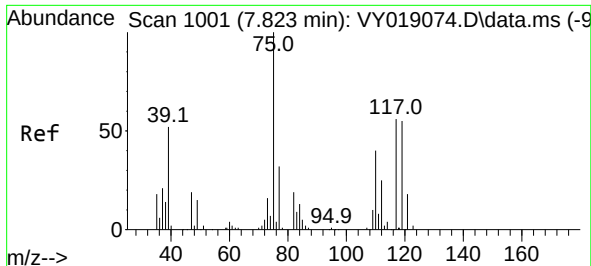
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

192 18.9 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.653 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.122 min

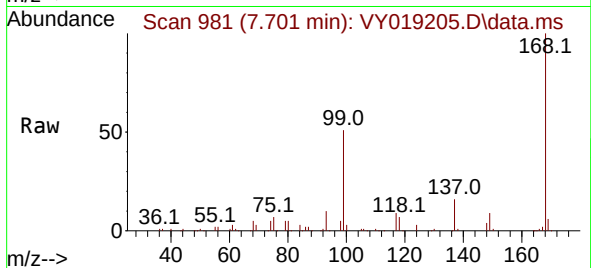
Lab File: VY019205.D

Acq: 22 Aug 2024 07:21

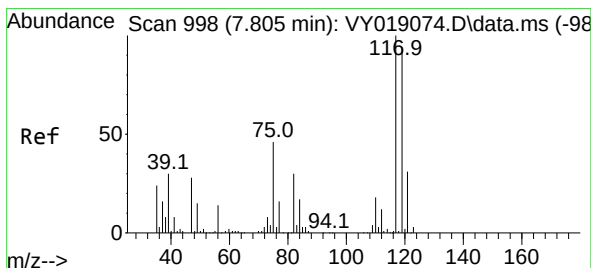
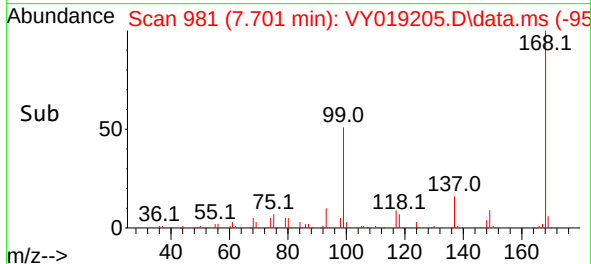
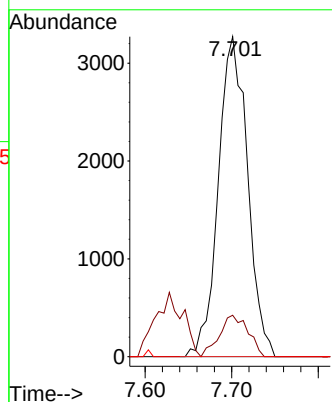
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 7663
Ion Ratio	Lower Upper
75	100
110	12.7 19.0 57.0#
77	0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.457 ug/l

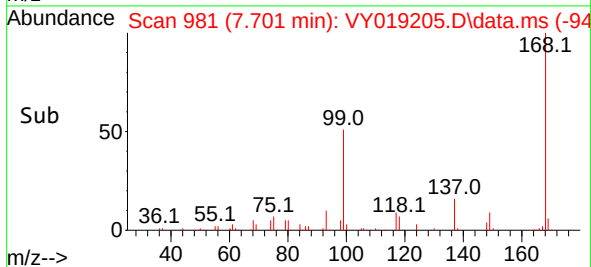
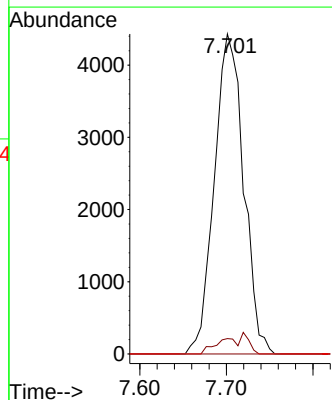
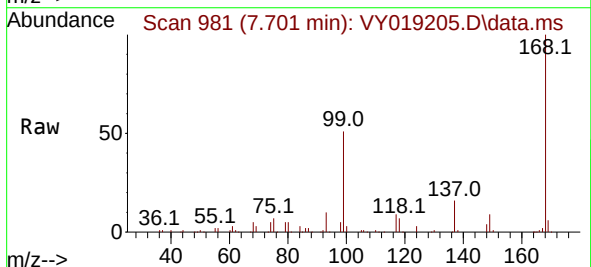
RT: 7.701 min Scan# 981

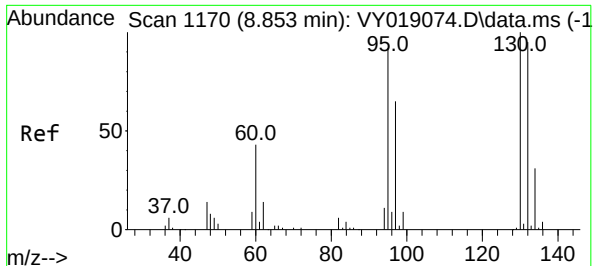
Delta R.T. -0.103 min

Lab File: VY019205.D

Acq: 22 Aug 2024 07:21

Tgt Ion: 117	Resp: 10415
Ion Ratio	Lower Upper
117	100
119	4.8 75.8 113.6#
121	0.0 24.0 36.0#

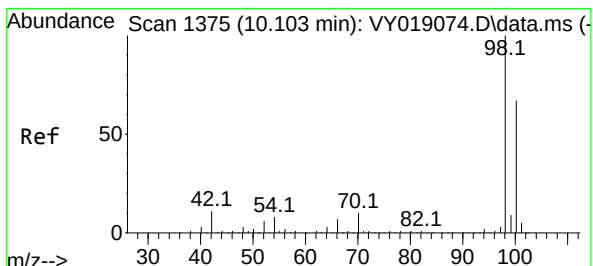
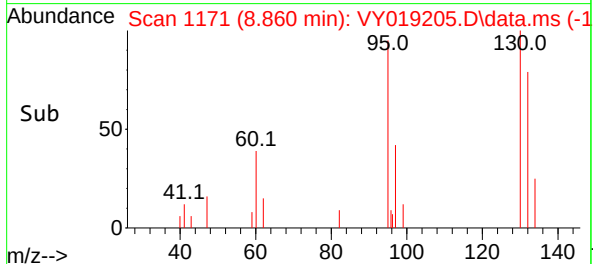
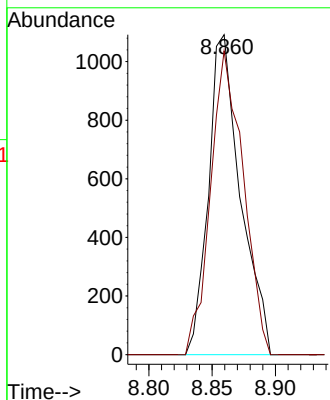
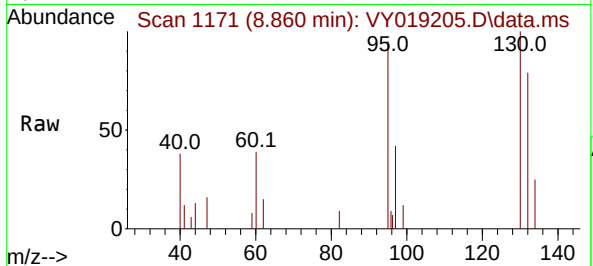




#44
 Trichloroethene
 Concen: 1.365 ug/l
 RT: 8.860 min Scan# 1171
 Delta R.T. 0.006 min
 Lab File: VY019205.D
 Acq: 22 Aug 2024 07:21

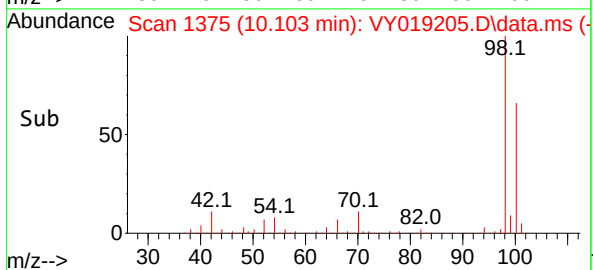
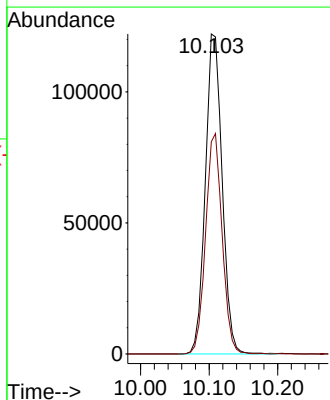
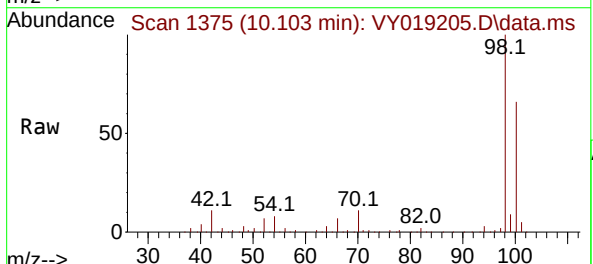
Instrument :
 MSVOA_Y
 ClientSampleId :

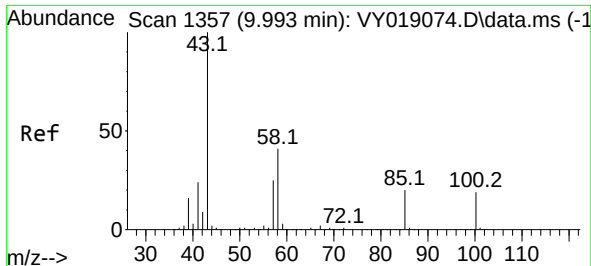
Tgt Ion:130 Resp: 1924
 Ion Ratio Lower Upper
 130 100
 95 95.0 0.0 188.0



#50
 Toluene-d8
 Concen: 48.381 ug/l
 RT: 10.103 min Scan# 1375
 Delta R.T. 0.000 min
 Lab File: VY019205.D
 Acq: 22 Aug 2024 07:21

Tgt Ion: 98 Resp: 208825
 Ion Ratio Lower Upper
 98 100
 100 67.6 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.432 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.116 min

Lab File: VY019205.D

Acq: 22 Aug 2024 07:21

Instrument :

MSVOA_Y

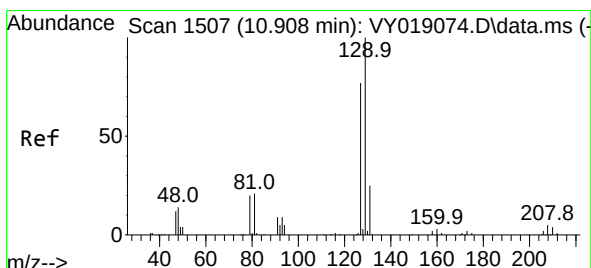
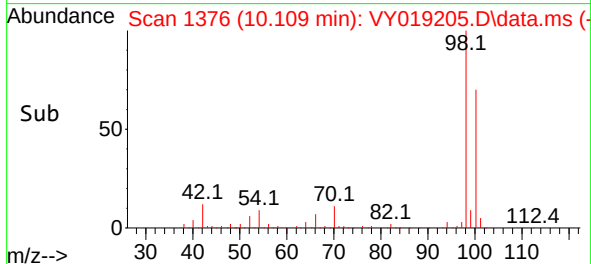
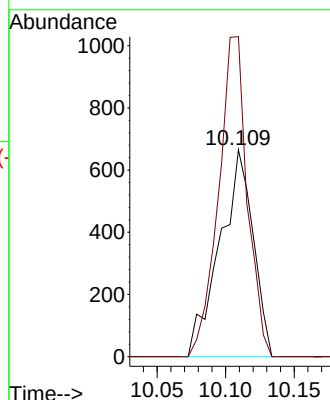
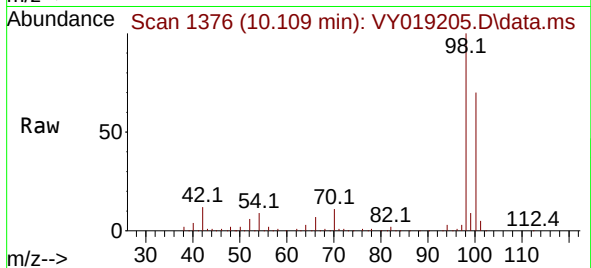
ClientSampleId :

Tgt Ion: 43 Resp: 1122

Ion Ratio Lower Upper

43 100

58 134.2 35.7 53.5#



#60

Dibromochloromethane

Concen: 1.599 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.262 min

Lab File: VY019205.D

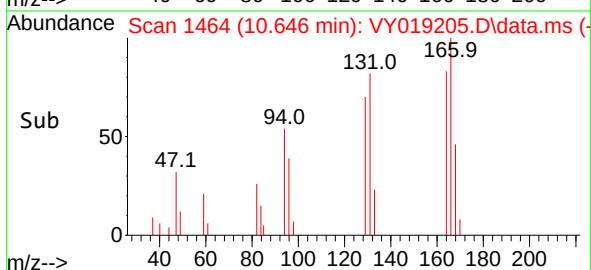
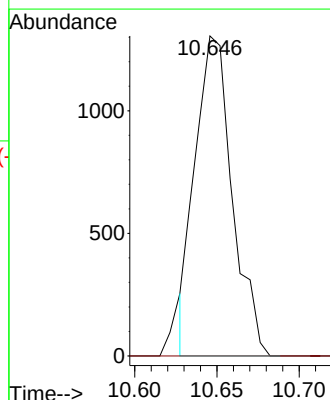
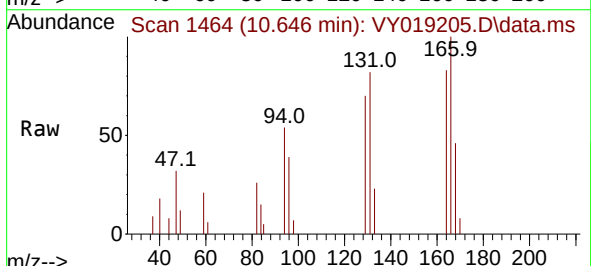
Acq: 22 Aug 2024 07:21

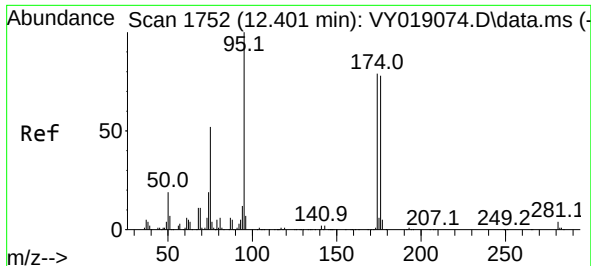
Tgt Ion: 129 Resp: 2047

Ion Ratio Lower Upper

129 100

127 0.0 39.0 117.0#

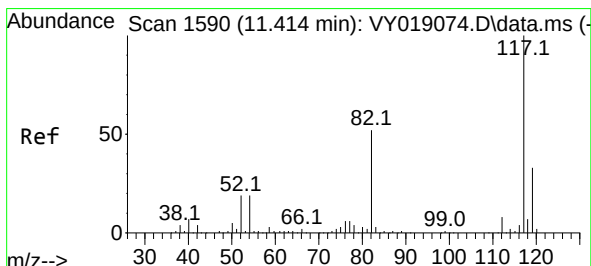
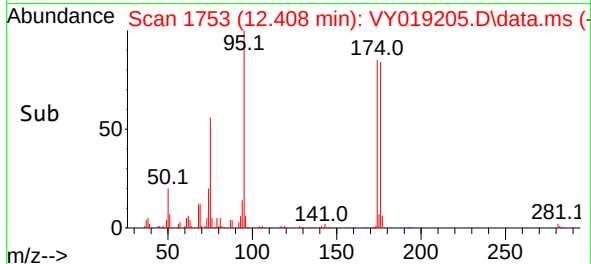
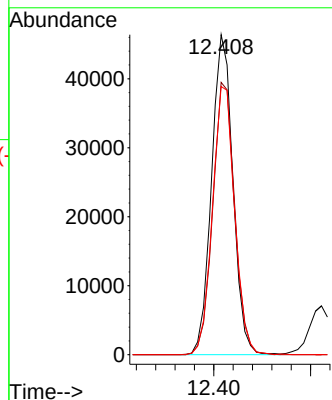
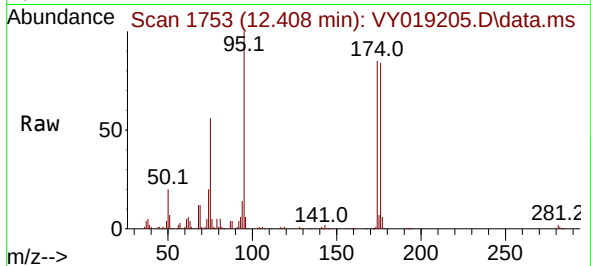




#62
4-Bromofluorobenzene
Concen: 48.202 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019205.D
Acq: 22 Aug 2024 07:21

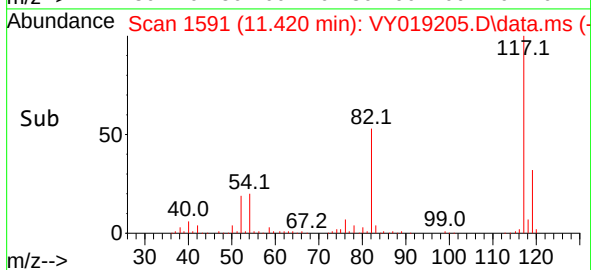
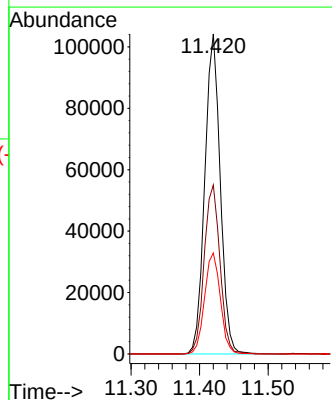
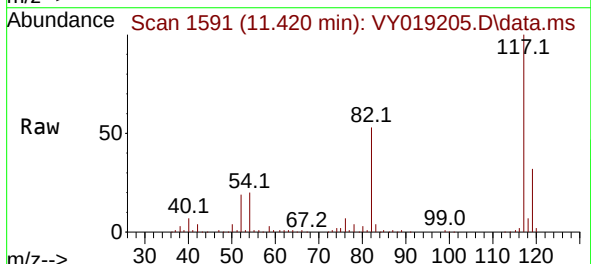
Instrument :
MSVOA_Y
ClientSampleId :

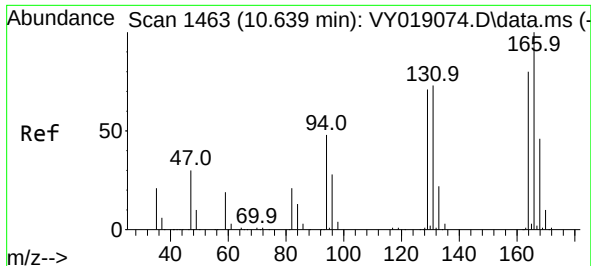
Tgt Ion: 95 Resp: 70924
Ion Ratio Lower Upper
95 100
174 87.2 0.0 175.6
176 87.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY019205.D
Acq: 22 Aug 2024 07:21

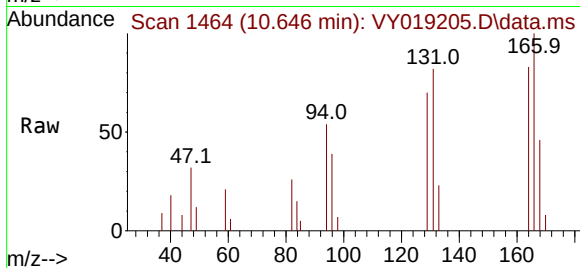
Tgt Ion: 117 Resp: 163909
Ion Ratio Lower Upper
117 100
82 52.8 42.4 63.6
119 31.6 25.9 38.9



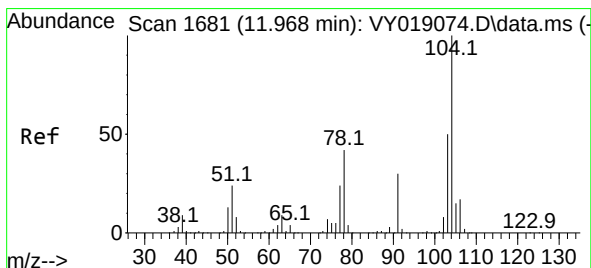
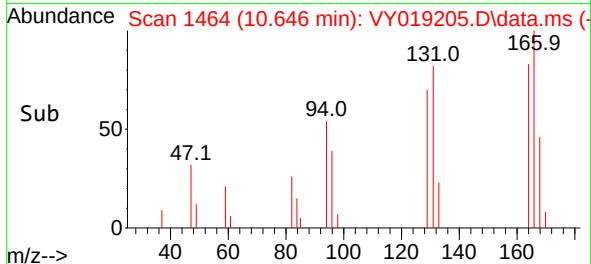
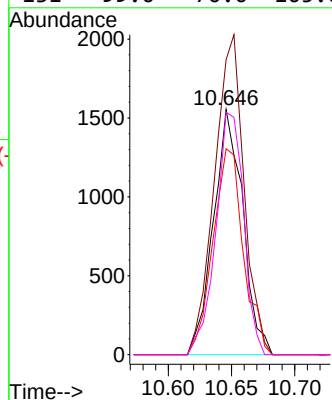


#64
Tetrachloroethene
Concen: 1.752 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY019205.D
Acq: 22 Aug 2024 07:21

Instrument :
MSVOA_Y
ClientSampleId :

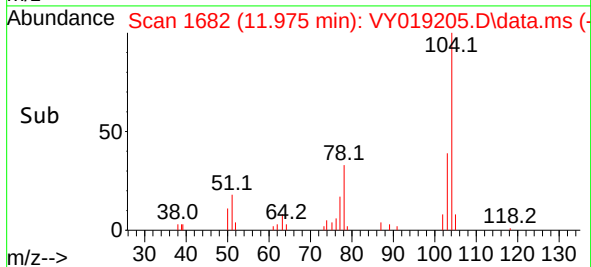
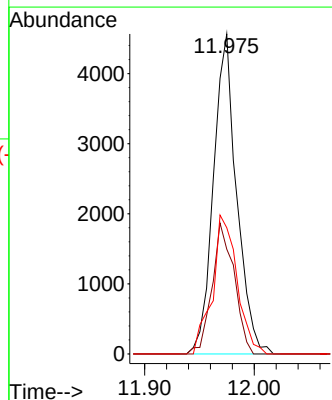
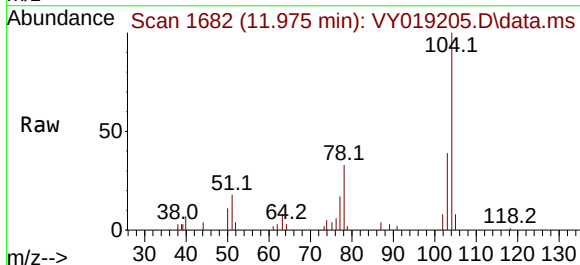


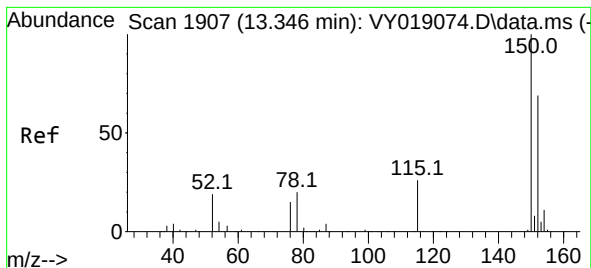
Tgt Ion:164	Resp:	2510	
Ion	Ratio	Lower	Upper
164	100		
166	120.4	102.6	154.0
129	84.0	72.0	108.0
131	99.0	70.0	105.0



#70
Styrene
Concen: 1.633 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY019205.D
Acq: 22 Aug 2024 07:21

Tgt Ion:104	Resp:	6702	
Ion Ratio	Lower	Upper	
104 100			
78 39.0	37.0	55.4	
103 46.0	44.2	66.2	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY019205.D

Acq: 22 Aug 2024 07:21

Instrument :

MSVOA_Y

ClientSampleId :

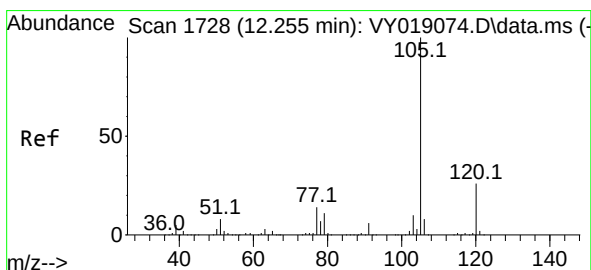
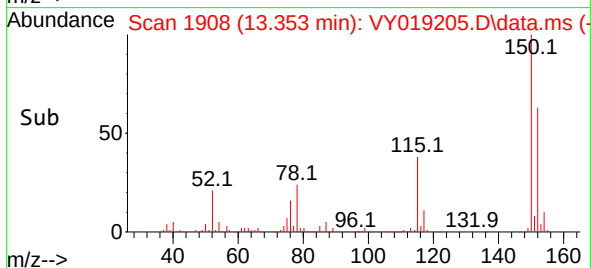
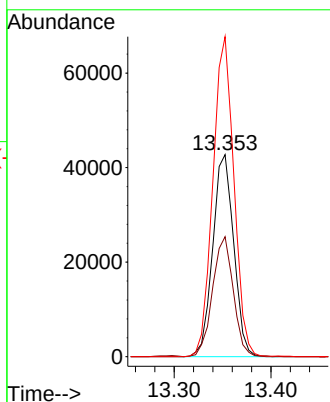
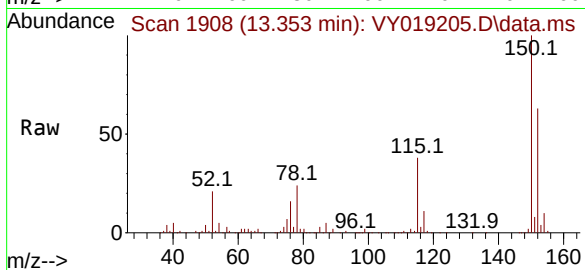
Tgt Ion:152 Resp: 64388

Ion Ratio Lower Upper

152 100

115 58.6 28.2 84.7

150 158.8 0.0 345.6



#73

Isopropylbenzene

Concen: 27.194 ug/l

RT: 12.261 min Scan# 1729

Delta R.T. 0.006 min

Lab File: VY019205.D

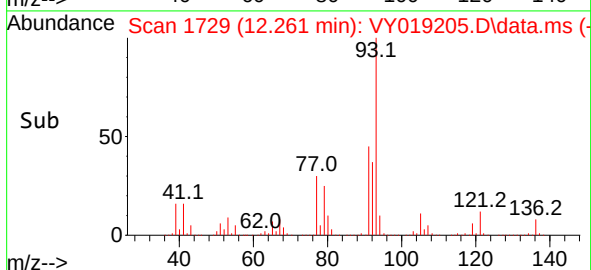
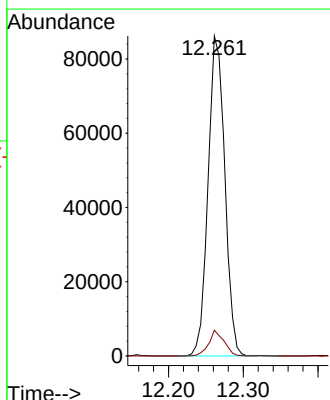
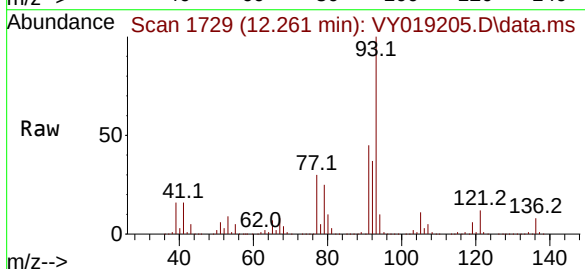
Acq: 22 Aug 2024 07:21

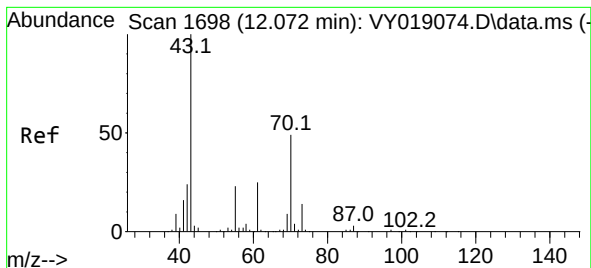
Tgt Ion:105 Resp: 134202

Ion Ratio Lower Upper

105 100

120 7.3 13.4 40.1#





#74

N-amy1 acetate

Concen: 54.715 ug/l

RT: 12.261 min Scan# 1

Delta R.T. 0.189 min

Lab File: VY019205.D

Acq: 22 Aug 2024 07:21

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 43 Resp: 58880

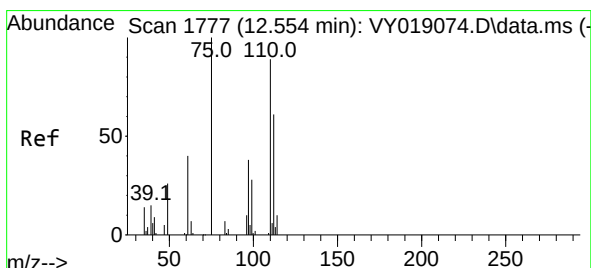
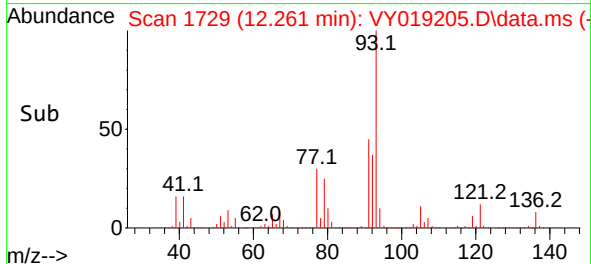
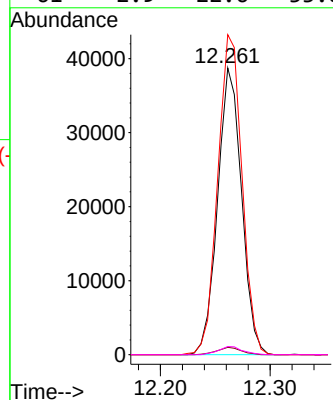
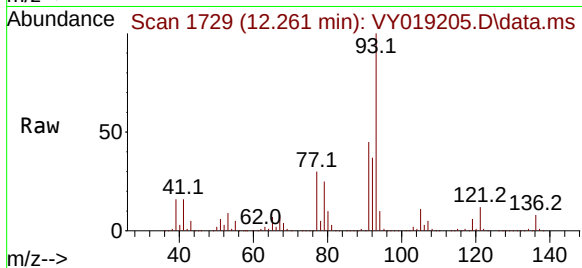
Ion Ratio Lower Upper

43 100

70 2.6 41.4 62.2#

55 113.1 23.3 34.9#

61 2.9 22.6 33.8#



#76

1,2,3-Trichloropropane

Concen: 62.255 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019205.D

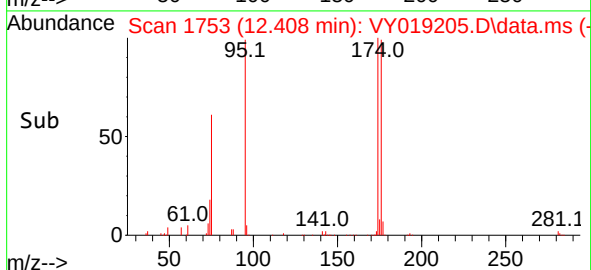
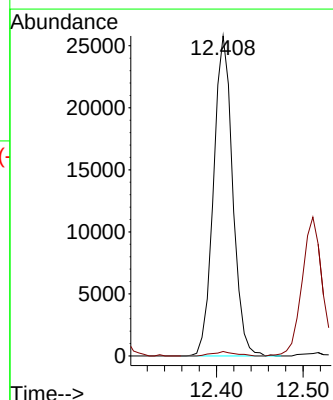
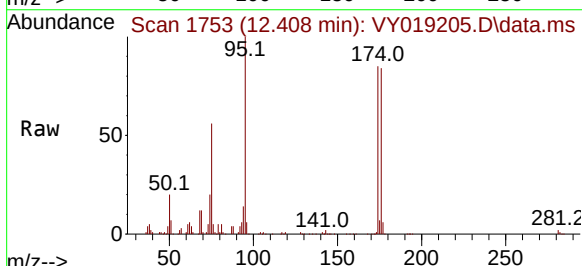
Acq: 22 Aug 2024 07:21

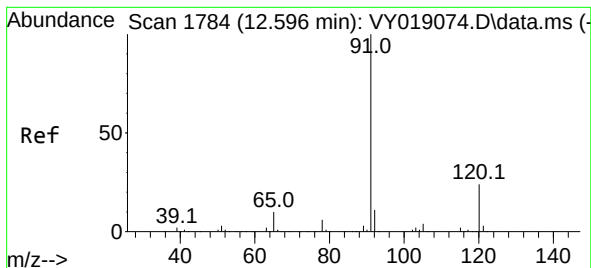
Tgt Ion: 75 Resp: 39531

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#78

n-propylbenzene

Concen: 4.543 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. -0.085 min

Lab File: VY019205.D

Acq: 22 Aug 2024 07:21

Instrument :

MSVOA_Y

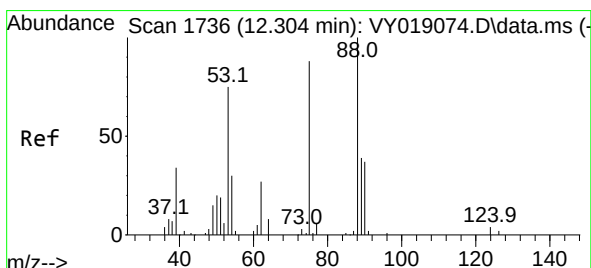
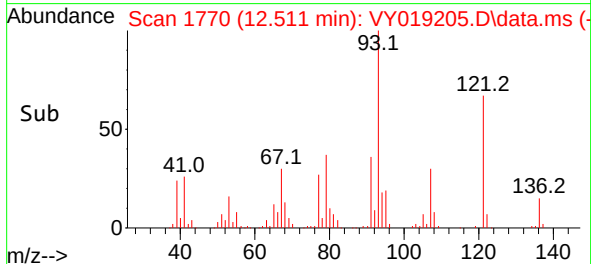
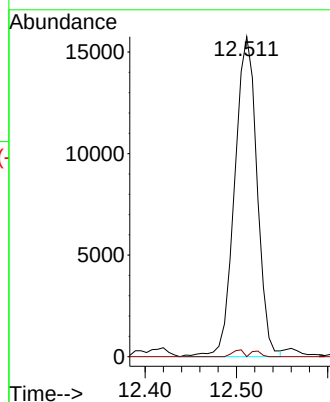
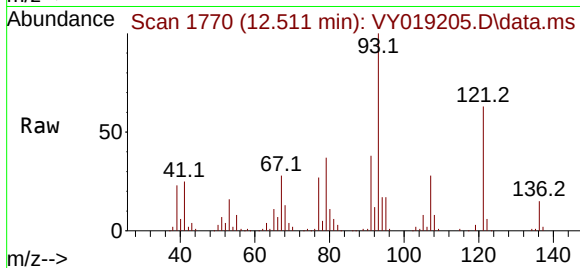
ClientSampleId :

Tgt Ion: 91 Resp: 26803

Ion Ratio Lower Upper

91 100

120 1.0 11.5 34.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 19.147 ug/l

RT: 12.261 min Scan# 1729

Delta R.T. -0.042 min

Lab File: VY019205.D

Acq: 22 Aug 2024 07:21

Tgt Ion: 75 Resp: 4923

Ion Ratio Lower Upper

75 100

53 2213.0 66.8 100.2#

89 216.2 35.8 53.6#

