

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
 Data File : VY019766.D
 Acq On : 02 Oct 2024 15:47
 Operator : SY/MD
 Sample : P4242-03
 Misc : 4.16g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 03 02:03:54 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)

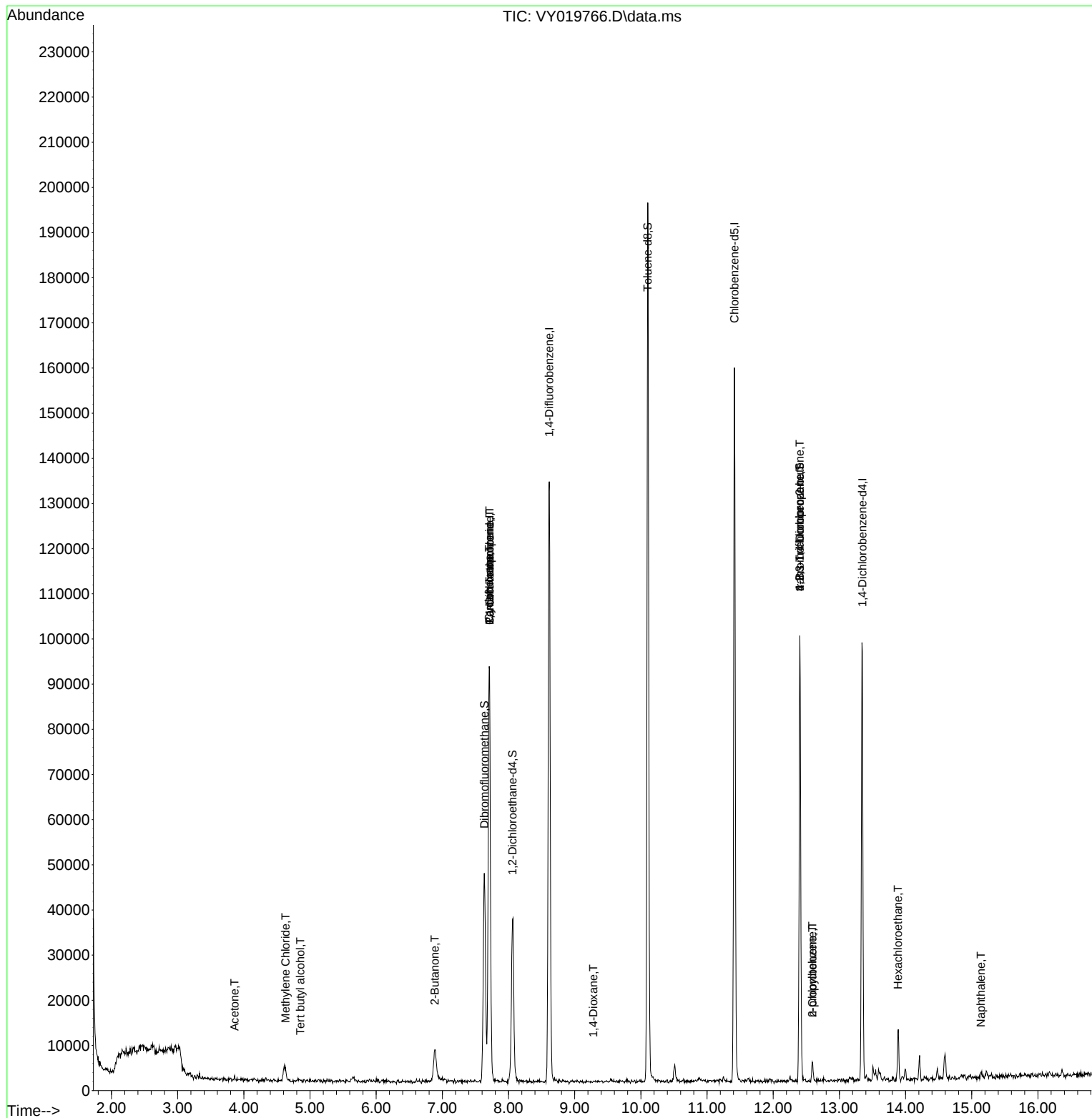
Internal Standards						
1) Pentafluorobenzene	7.713	168	69308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	114158	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	82043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	23211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	28748	44.794	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.580%
35) Dibromofluoromethane	7.634	113	33132	51.188	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.380%
50) Toluene-d8	10.103	98	125315	52.344	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.680%
62) 4-Bromofluorobenzene	12.401	95	31675	34.410	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	68.820%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	194	3.743	ug/l #	35
13) Acrolein	3.677	56	35	Below Cal	#	15
16) Acetone	3.860	43	748	4.892	ug/l	98
20) Methylene Chloride	4.628	84	2259	3.240	ug/l	84
25) 2-Butanone	6.884	43	363	1.669	ug/l #	41
31) Cyclohexane	7.707	56	1900	1.654	ug/l #	15
36) 1,1-Dichloropropene	7.713	75	6461	7.336	ug/l #	48
38) Carbon Tetrachloride	7.713	117	7516	7.568	ug/l #	14
49) 1,4-Dioxane	9.280	88	20	4.685	ug/l #	20
76) 1,2,3-Trichloropropane	12.401	75	16309	74.965	ug/l #	100
78) n-propylbenzene	12.590	91	3178	1.592	ug/l	100
79) 2-Chlorotoluene	12.590	91	3178	2.732	ug/l #	39
81) trans-1,4-Dichloro-2-b...	12.401	75	16309	143.911	ug/l #	16
90) Hexachloroethane	13.883	117	529	1.726	ug/l #	12
95) Naphthalene	15.139	128	1116	1.415	ug/l #	72

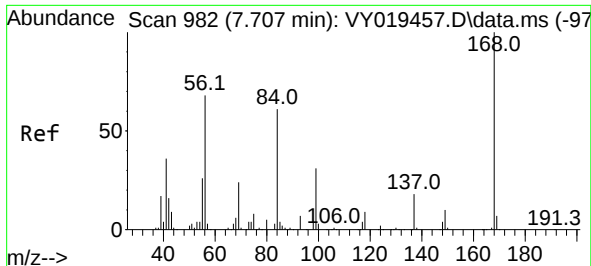
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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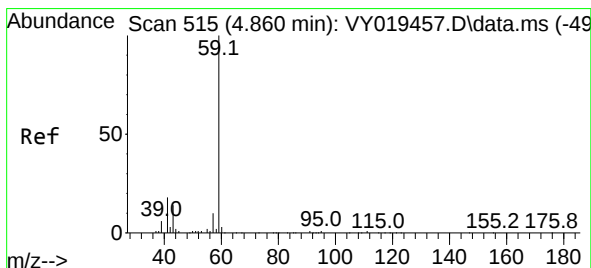
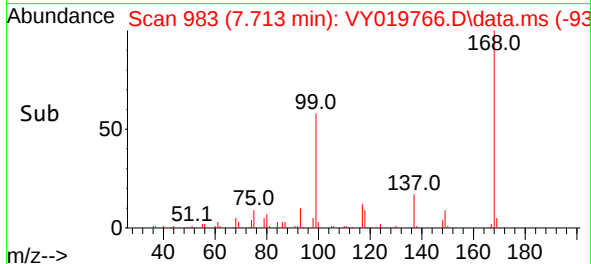
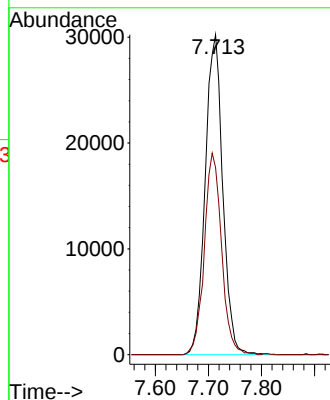
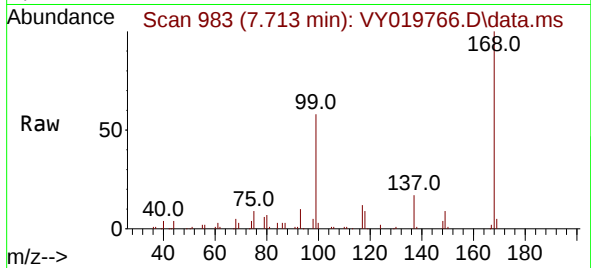




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019766.D
Acq: 02 Oct 2024 15:47

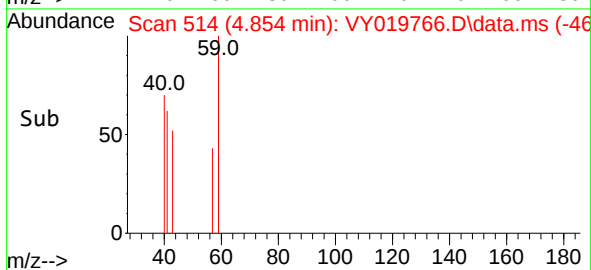
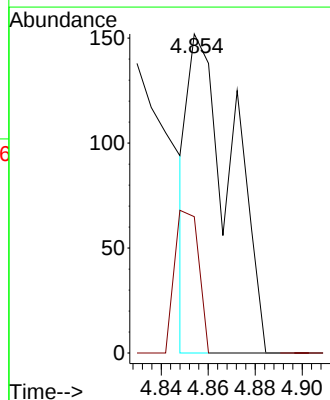
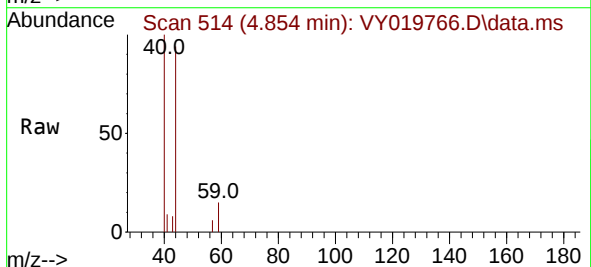
Instrument :
MSVOA_Y
ClientSampleId :

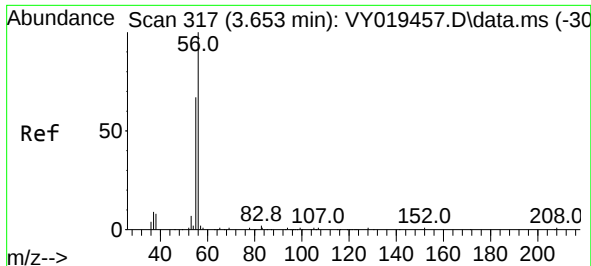
Tgt Ion:168 Resp: 69308
Ion Ratio Lower Upper
168 100
99 58.5 39.1 58.7



#11
Tert butyl alcohol
Concen: 3.743 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY019766.D
Acq: 02 Oct 2024 15:47

Tgt Ion: 59 Resp: 194
Ion Ratio Lower Upper
59 100
57 25.3 3.0 4.6#

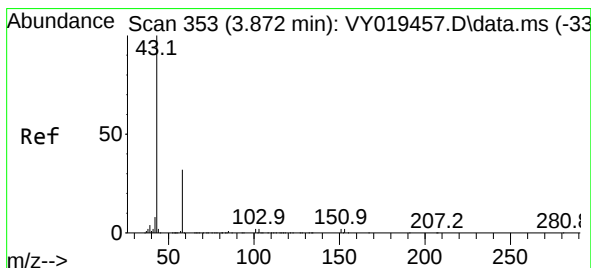
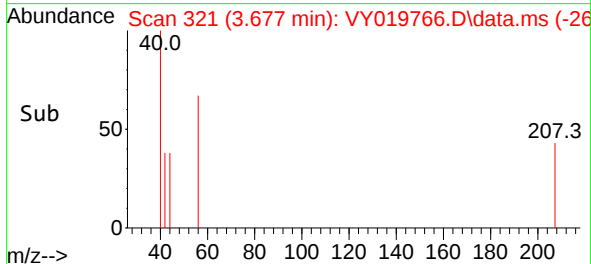
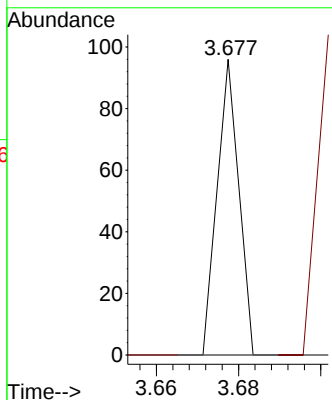
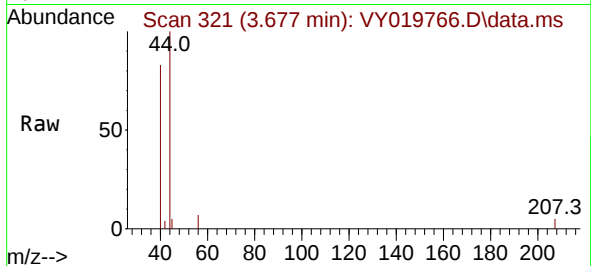




#13
Acrolein
Concen: Below Cal
RT: 3.677 min Scan# 317
Delta R.T. 0.024 min
Lab File: VY019766.D
Acq: 02 Oct 2024 15:47

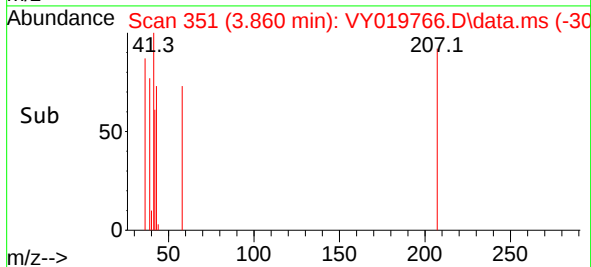
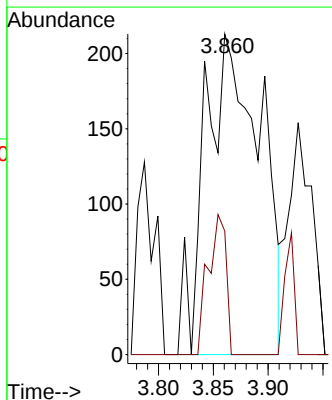
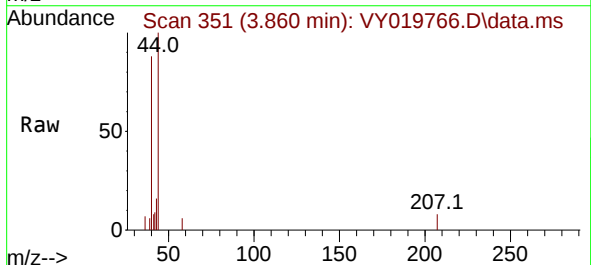
Instrument :
MSVOA_Y
ClientSampleId :

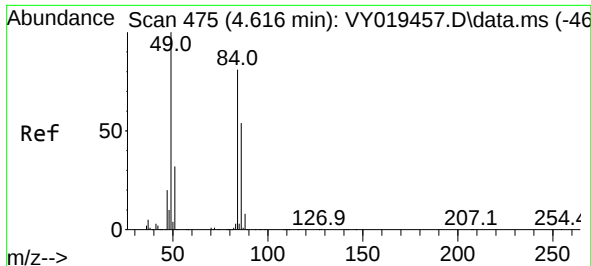
Tgt Ion: 56 Resp: 35
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#16
Acetone
Concen: 4.892 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY019766.D
Acq: 02 Oct 2024 15:47

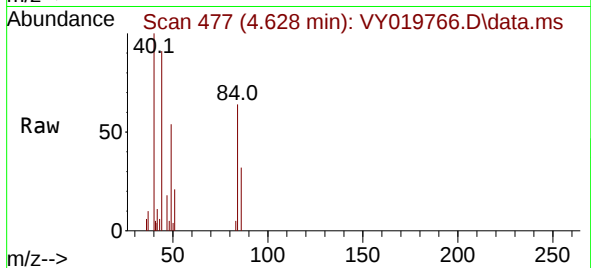
Tgt Ion: 43 Resp: 748
Ion Ratio Lower Upper
43 100
58 38.5 31.7 47.5



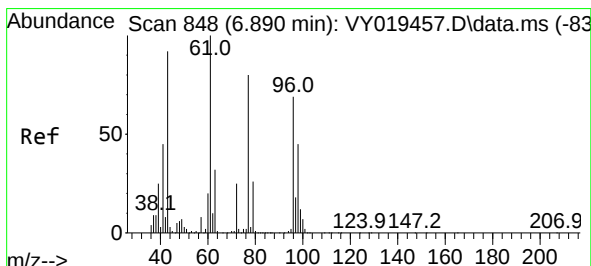
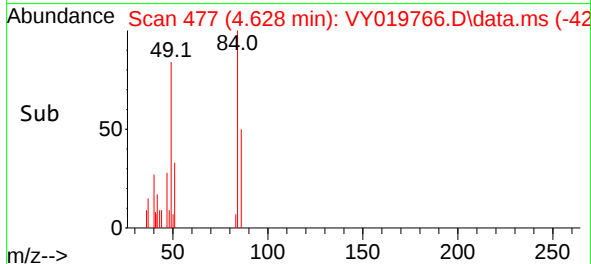
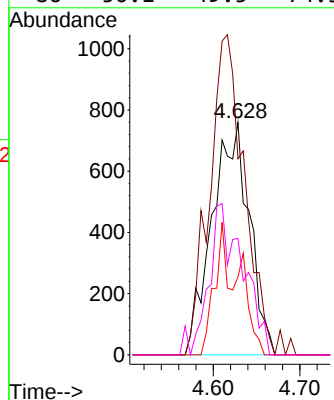


#20
Methylene Chloride
Concen: 3.240 ug/l
RT: 4.628 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY019766.D
Acq: 02 Oct 2024 15:47

Instrument :
MSVOA_Y
ClientSampleId :

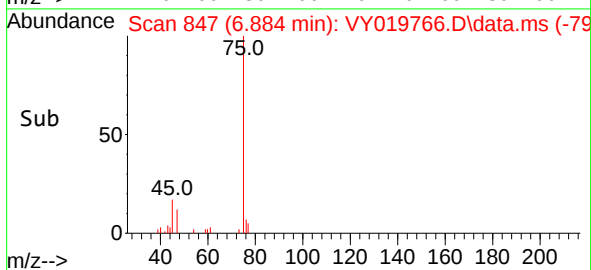
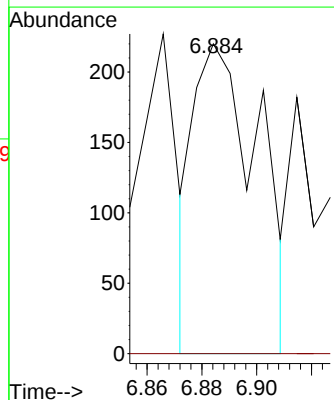
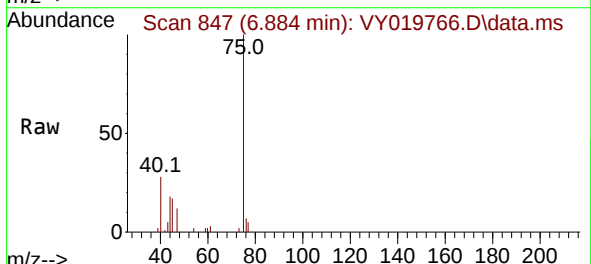


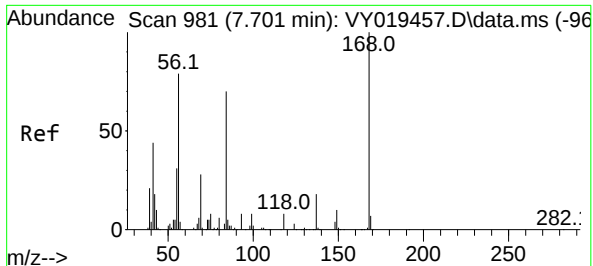
Tgt Ion: 84	Resp: 2259
Ion Ratio	Lower Upper
84 100	
49 84.5	84.4 126.6
51 33.5	26.0 39.0
86 50.1	49.5 74.3



#25
2-Butanone
Concen: 1.669 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY019766.D
Acq: 02 Oct 2024 15:47

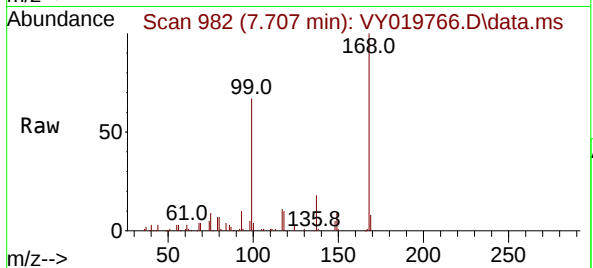
Tgt Ion: 43	Resp: 363
Ion Ratio	Lower Upper
43 100	
72 0.0	27.3 40.9#



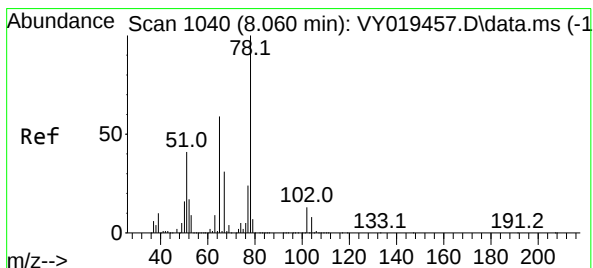
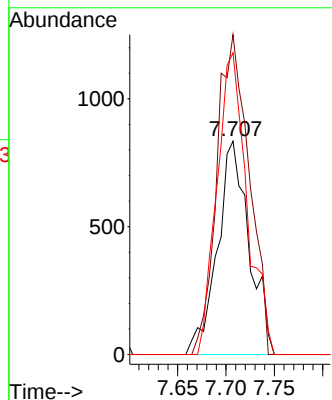
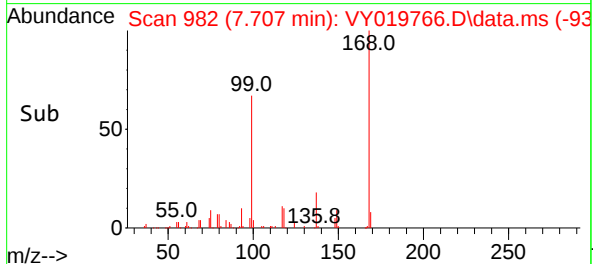


#31
Cyclohexane
Concen: 1.654 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY019766.D
Acq: 02 Oct 2024 15:47

Instrument :
MSVOA_Y
ClientSampleId :

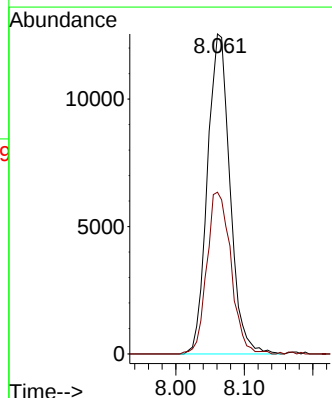
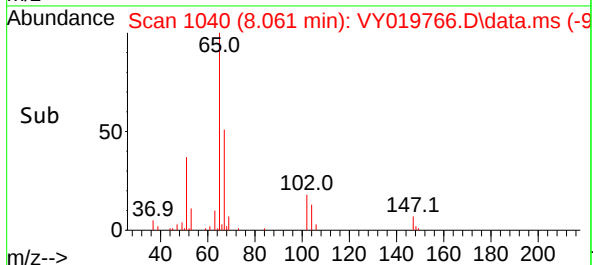
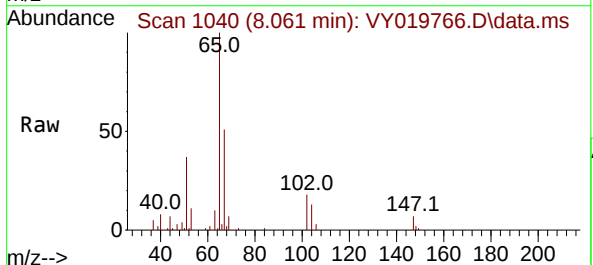


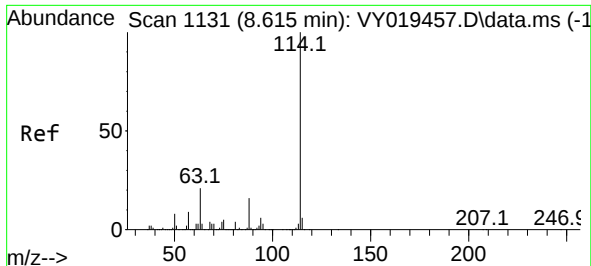
Tgt Ion: 56 Resp: 1900
Ion Ratio Lower Upper
56 100
69 150.0 28.7 43.1#
84 141.5 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 44.794 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019766.D
Acq: 02 Oct 2024 15:47

Tgt Ion: 65 Resp: 28748
Ion Ratio Lower Upper
65 100
67 54.0 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019766.D

Acq: 02 Oct 2024 15:47

Instrument :

MSVOA_Y

ClientSampleId :

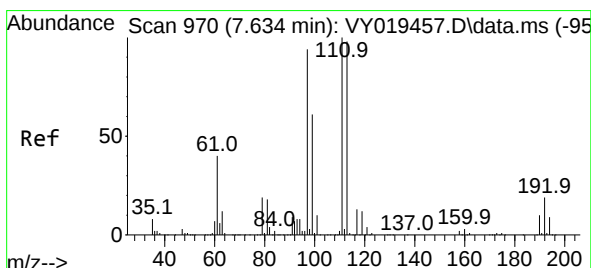
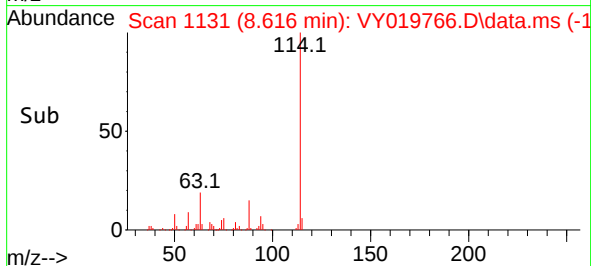
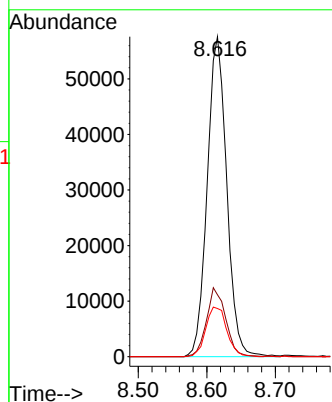
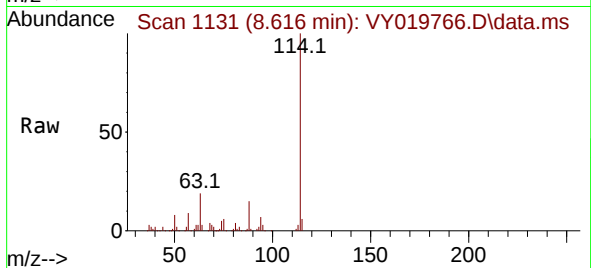
Tgt Ion:114 Resp: 114158

Ion Ratio Lower Upper

114 100

63 19.4 0.0 35.0

88 15.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.188 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019766.D

Acq: 02 Oct 2024 15:47

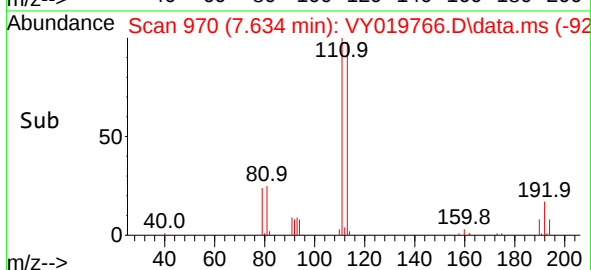
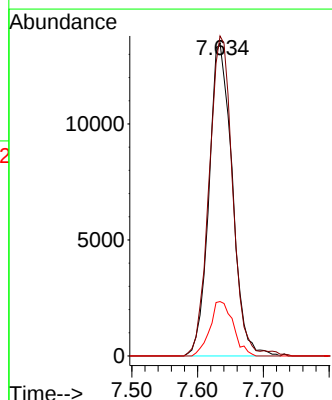
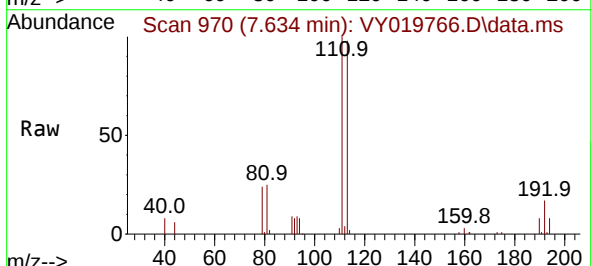
Tgt Ion:113 Resp: 33132

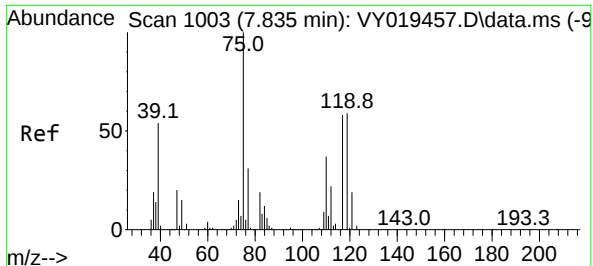
Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.4

192 17.5 15.9 23.9





#36

1,1-Dichloropropene

Concen: 7.336 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

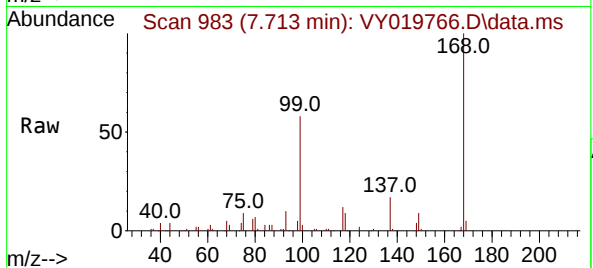
Lab File: VY019766.D

Acq: 02 Oct 2024 15:47

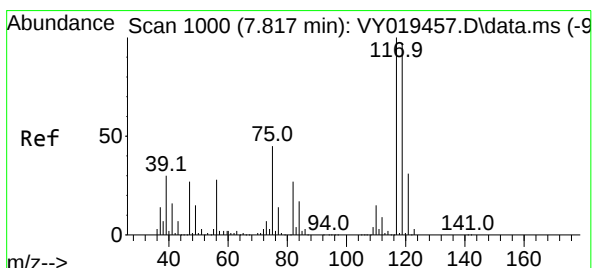
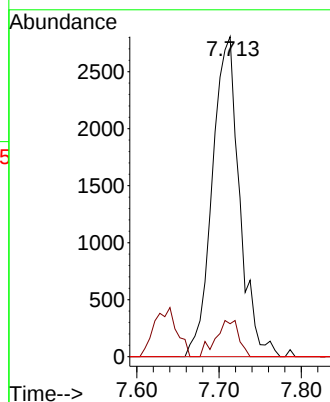
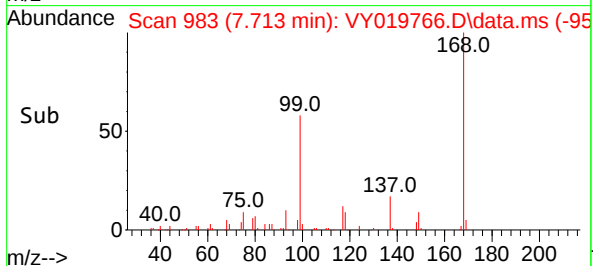
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 6461
Ion Ratio	Lower Upper
75	100
110	9.5 19.0 57.0#
77	0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 7.568 ug/l

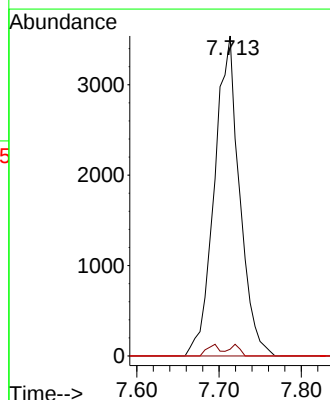
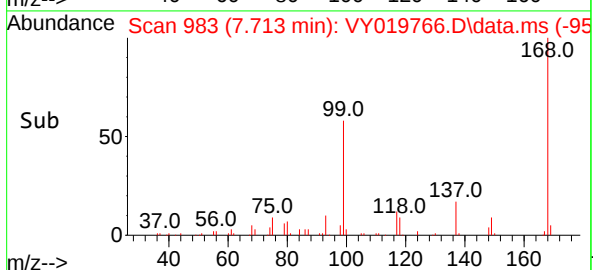
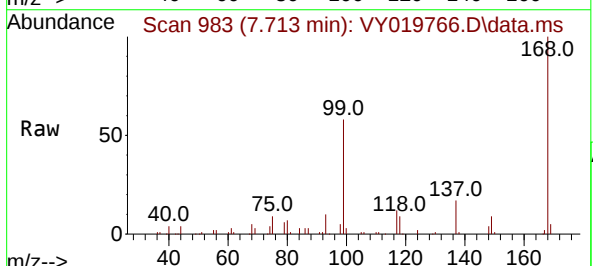
RT: 7.713 min Scan# 983

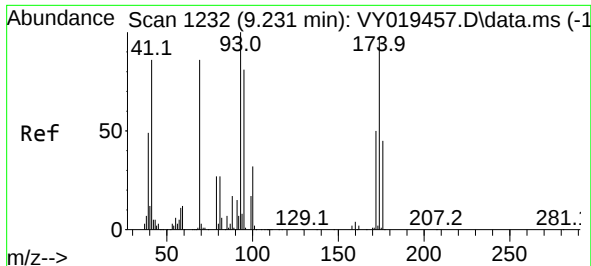
Delta R.T. -0.103 min

Lab File: VY019766.D

Acq: 02 Oct 2024 15:47

Tgt Ion: 117	Resp: 7516
Ion Ratio	Lower Upper
117	100
119	2.1 75.8 113.6#
121	0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 4.685 ug/l

RT: 9.280 min Scan# 11

Delta R.T. 0.049 min

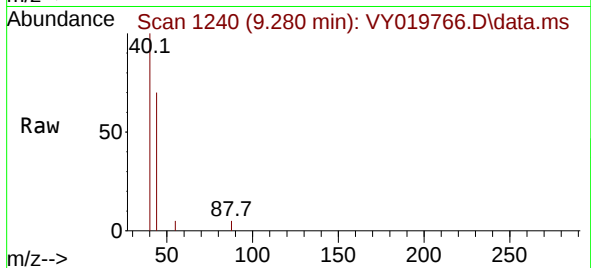
Lab File: VY019766.D

Acq: 02 Oct 2024 15:47

Instrument :

MSVOA_Y

ClientSampleId :



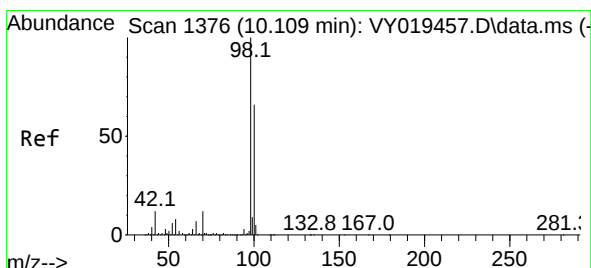
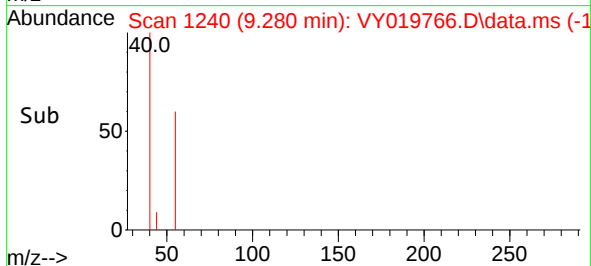
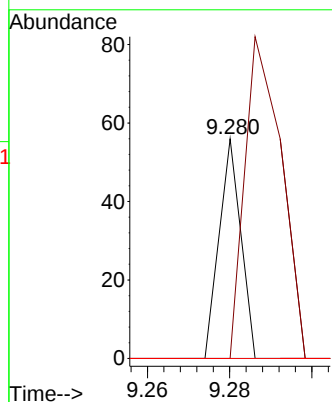
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 250.0 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 52.344 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY019766.D

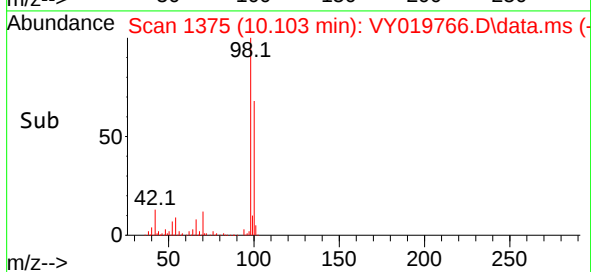
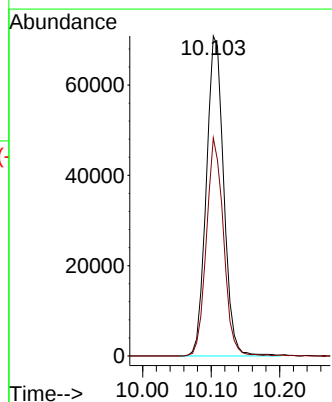
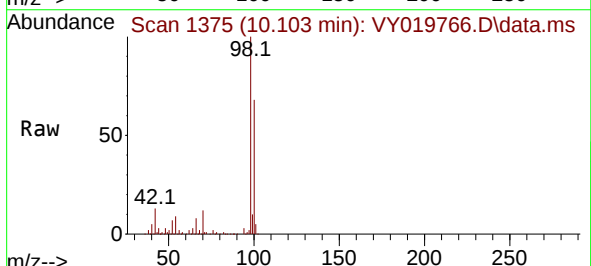
Acq: 02 Oct 2024 15:47

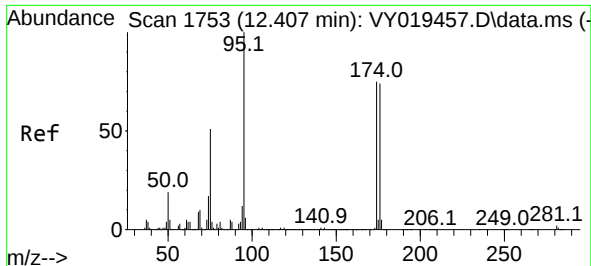
Tgt Ion: 98 Resp: 125315

Ion Ratio Lower Upper

98 100

100 67.0 52.0 78.0

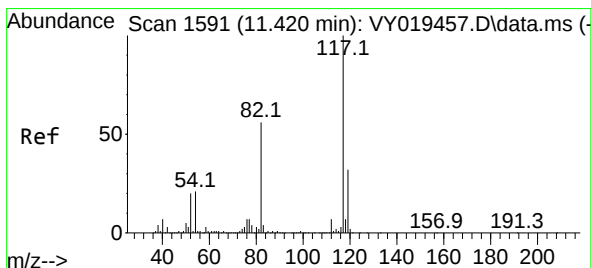
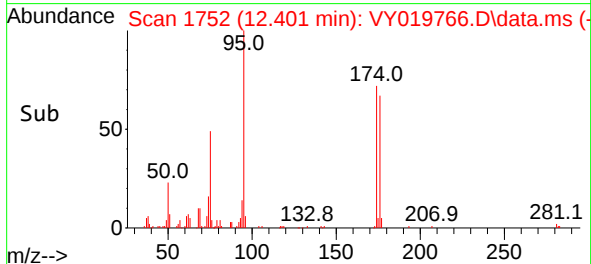
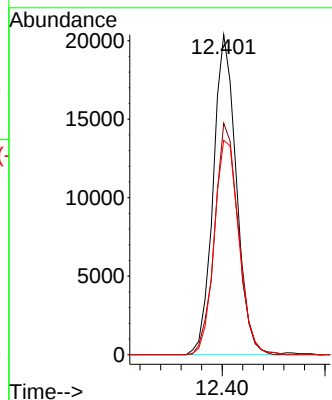
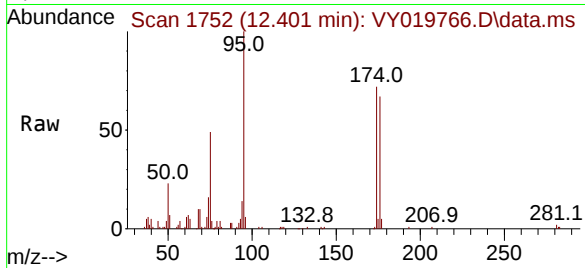




#62
4-Bromofluorobenzene
Concen: 34.410 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019766.D
Acq: 02 Oct 2024 15:47

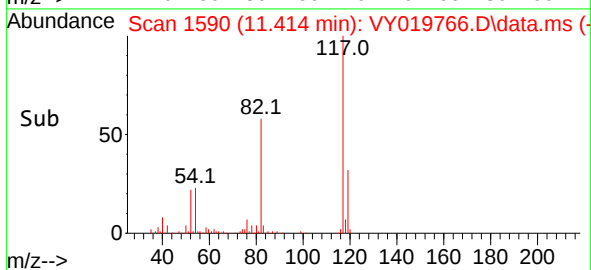
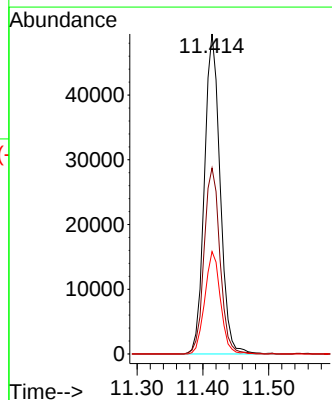
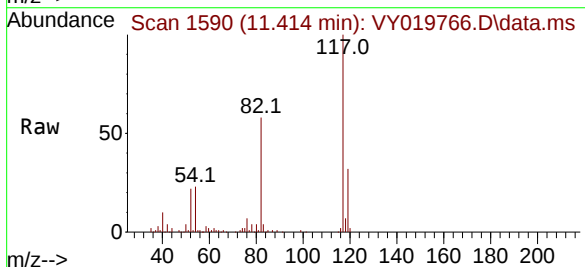
Instrument :
MSVOA_Y
ClientSampleId :

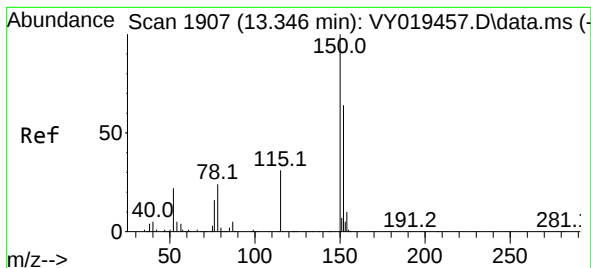
Tgt Ion: 95 Resp: 31675
Ion Ratio Lower Upper
95 100
174 74.2 0.0 175.6
176 71.9 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019766.D
Acq: 02 Oct 2024 15:47

Tgt Ion: 117 Resp: 82043
Ion Ratio Lower Upper
117 100
82 58.1 42.4 63.6
119 32.0 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: VY019766.D

Acq: 02 Oct 2024 15:47

Instrument :

MSVOA_Y

ClientSampleId :

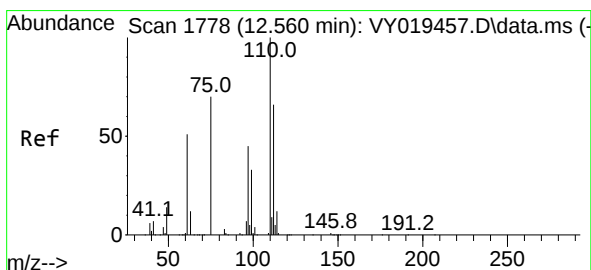
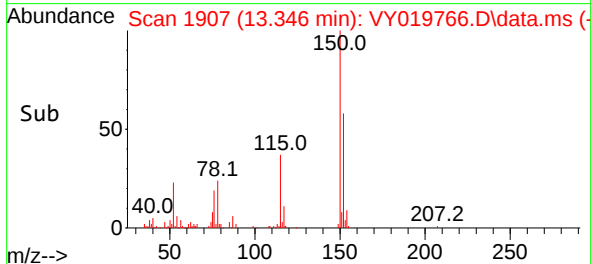
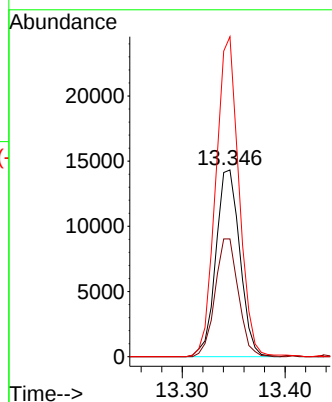
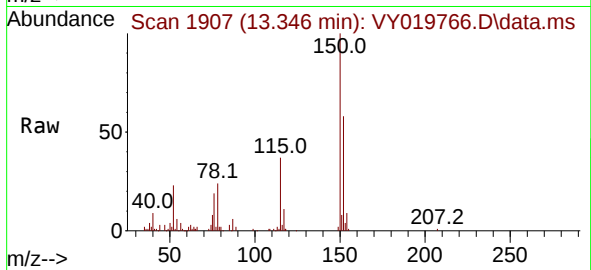
Tgt Ion:152 Resp: 23211

Ion Ratio Lower Upper

152 100

115 61.1 28.2 84.7

150 165.9 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 74.965 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019766.D

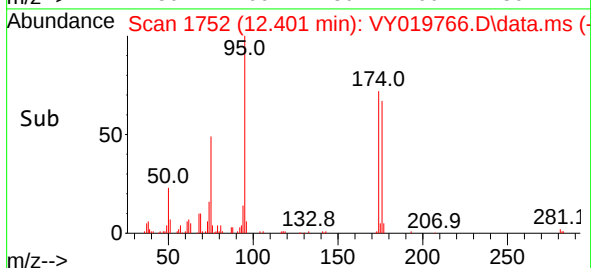
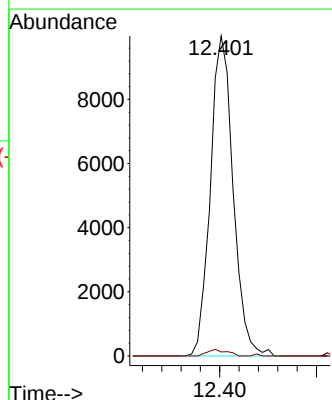
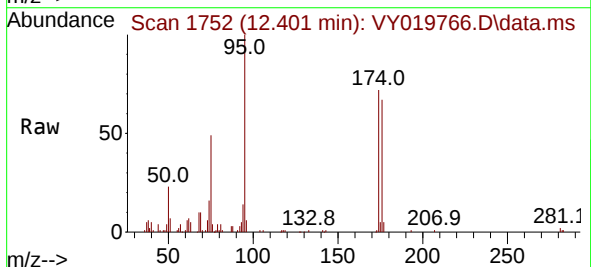
Acq: 02 Oct 2024 15:47

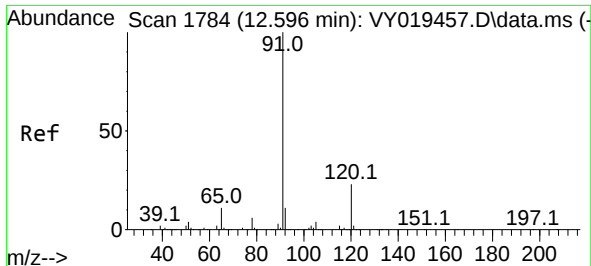
Tgt Ion: 75 Resp: 16309

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#





#78

n-propylbenzene

Concen: 1.592 ug/l

RT: 12.590 min Scan# 1783

Delta R.T. -0.006 min

Lab File: VY019766.D

Acq: 02 Oct 2024 15:47

Instrument :

MSVOA_Y

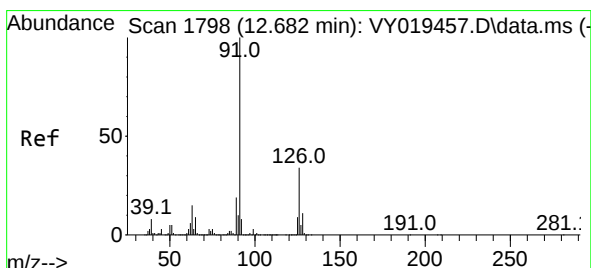
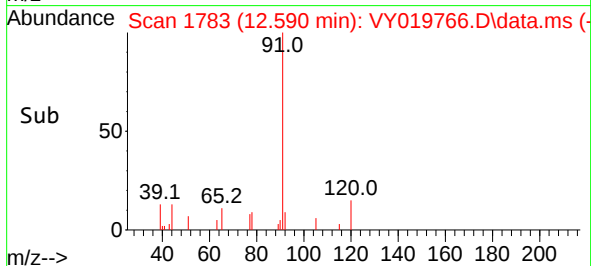
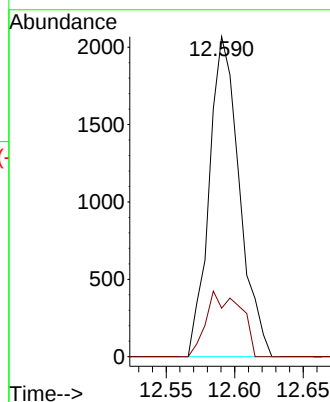
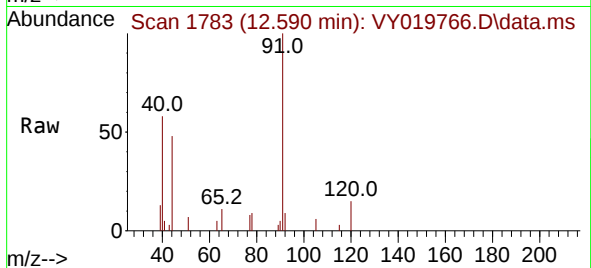
ClientSampleId :

Tgt Ion: 91 Resp: 3178

Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.4



#79

2-Chlorotoluene

Concen: 2.732 ug/l

RT: 12.590 min Scan# 1783

Delta R.T. -0.091 min

Lab File: VY019766.D

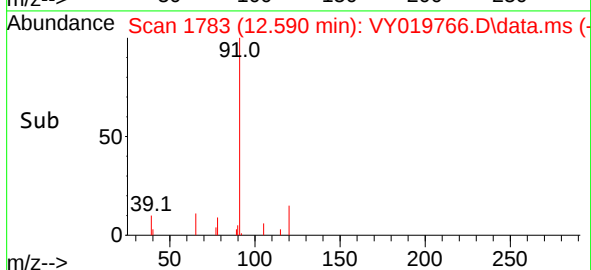
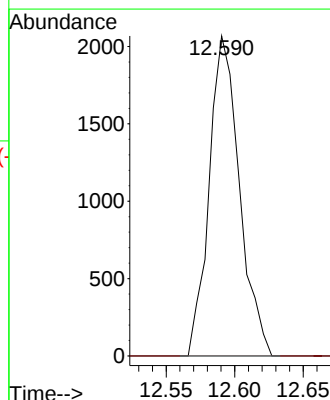
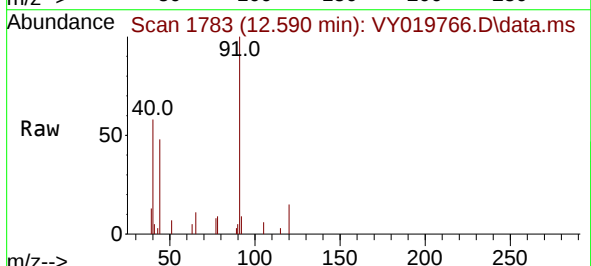
Acq: 02 Oct 2024 15:47

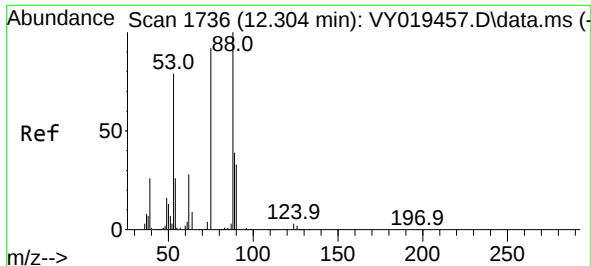
Tgt Ion: 91 Resp: 3178

Ion Ratio Lower Upper

91 100

126 0.0 17.8 53.5#

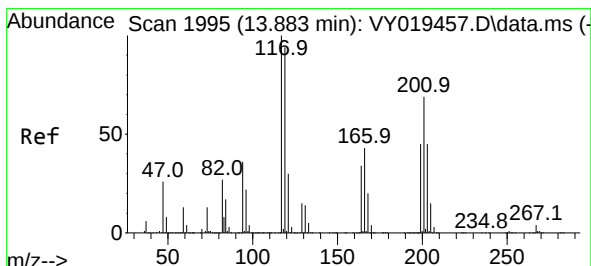
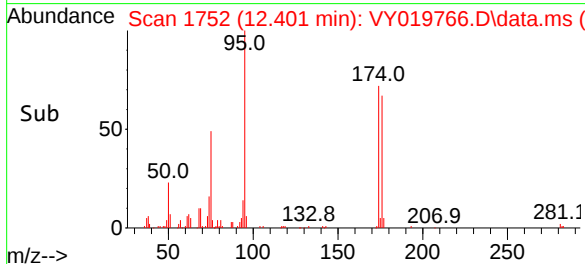
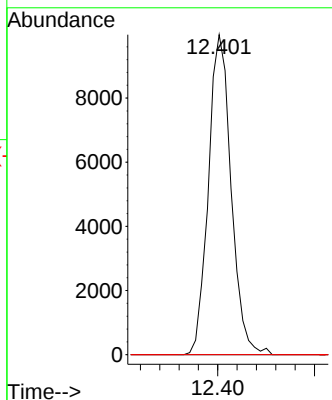
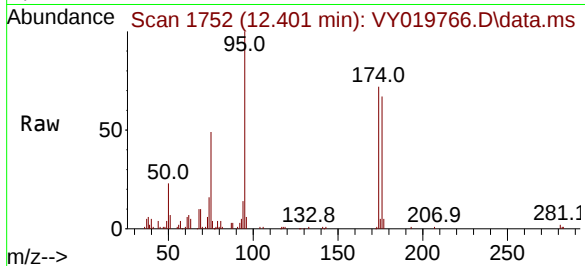




#81
trans-1,4-Dichloro-2-butene
Concen: 143.911 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019766.D
Acq: 02 Oct 2024 15:47

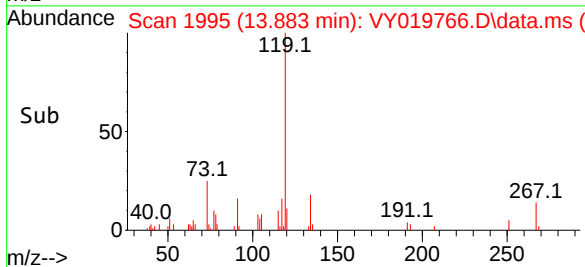
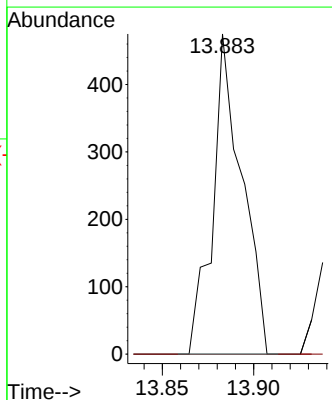
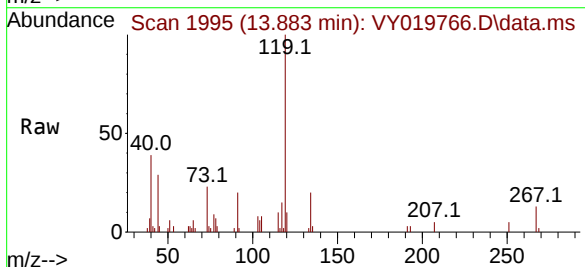
Instrument :
MSVOA_Y
ClientSampleId :

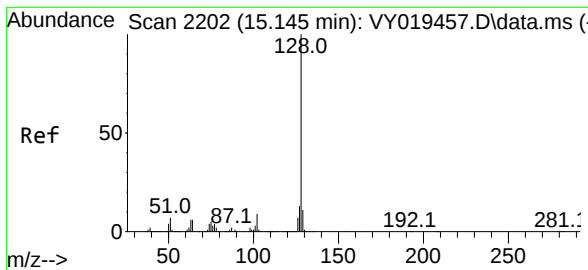
Tgt Ion: 75 Resp: 16309
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#90
Hexachloroethane
Concen: 1.726 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY019766.D
Acq: 02 Oct 2024 15:47

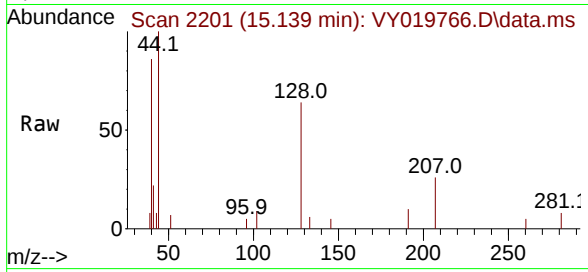
Tgt Ion: 117 Resp: 529
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#





#95
 Naphthalene
 Concen: 1.415 ug/l
 RT: 15.139 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY019766.D
 Acq: 02 Oct 2024 15:47

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	1116
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	2.8	8.6	13.0#

