

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102124\
 Data File : VY019965.D
 Acq On : 21 Oct 2024 16:08
 Operator : SY/MD
 Sample : P4460-03
 Misc : 8.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 22 01:23:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 05:44:48 2024
 Response via : Initial Calibration

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

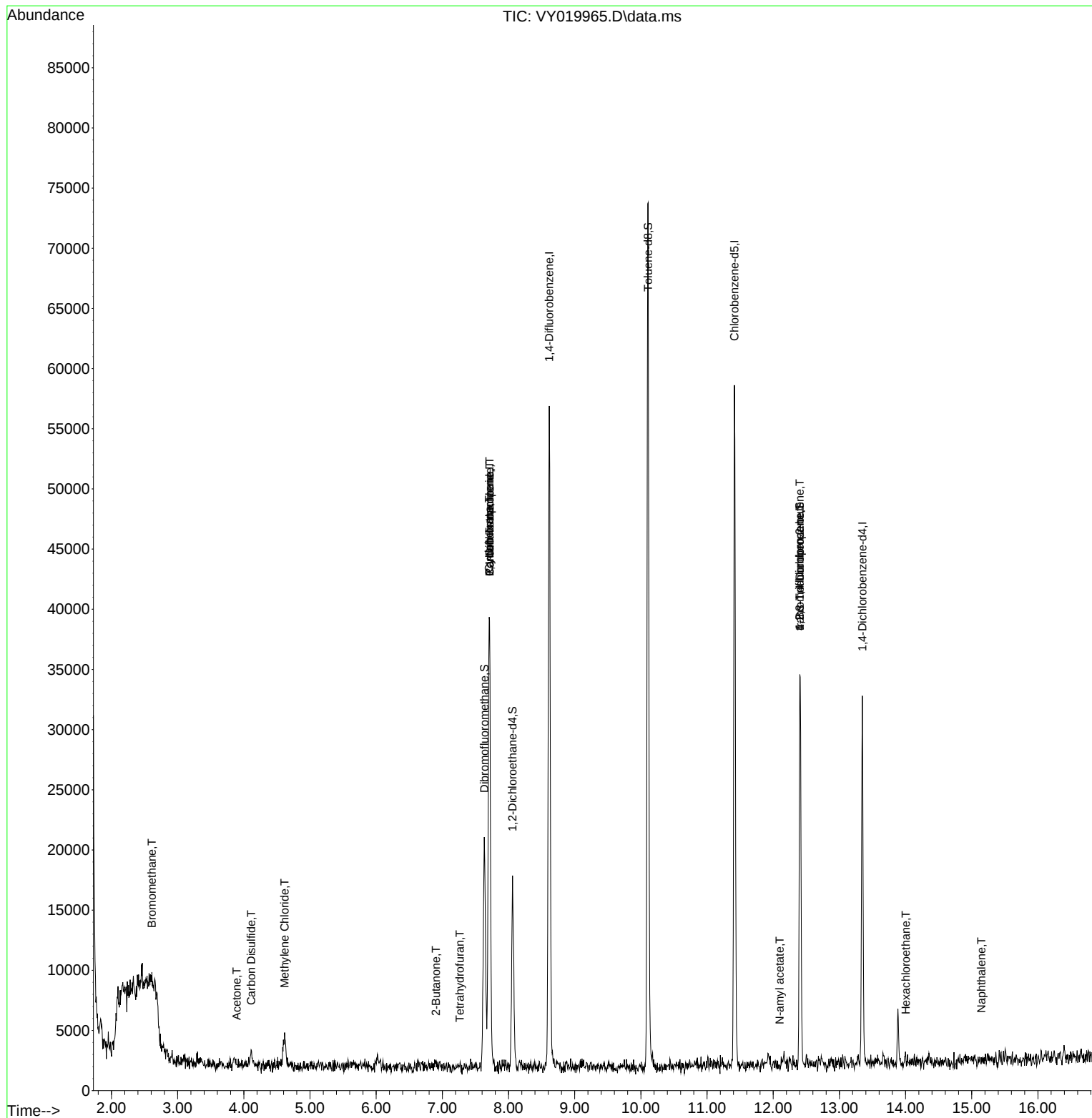
Internal Standards						
1) Pentafluorobenzene	7.713	168	26731	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	44777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	27736	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	6613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	11935	36.261	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	72.520%
35) Dibromofluoromethane	7.634	113	12965	43.878	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.760%
50) Toluene-d8	10.109	98	47356	43.400	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.800%
62) 4-Bromofluorobenzene	12.401	95	9449	23.966	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	47.940%
Target Compounds						
					Qvalue	
5) Bromomethane	2.611	94	374	1.658	ug/l #	35
11) Tert butyl alcohol	4.775	59	54	Below Cal	#	1
16) Acetone	3.891	43	349	4.073	ug/l #	36
17) Carbon Disulfide	4.110	76	2301	2.994	ug/l #	76
20) Methylene Chloride	4.616	84	1440	3.804	ug/l #	75
25) 2-Butanone	6.902	43	131	1.142	ug/l #	41
29) Tetrahydrofuran	7.262	42	144	2.199	ug/l #	26
31) Cyclohexane	7.707	56	774	1.407	ug/l #	49
36) 1,1-Dichloropropene	7.713	75	2908	6.831	ug/l #	48
38) Carbon Tetrachloride	7.713	117	3061	6.708	ug/l #	13
74) N-amyl acetate	12.097	43	159	1.079	ug/l #	41
76) 1,2,3-Trichloropropane	12.401	75	5936	45.821	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	5936	184.950	ug/l #	16
90) Hexachloroethane	14.005	117	658	6.921	ug/l #	12
95) Naphthalene	15.145	128	228	1.029	ug/l #	69

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

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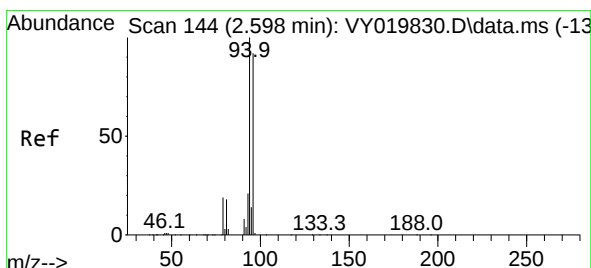
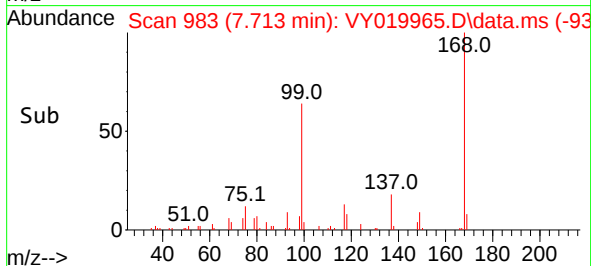
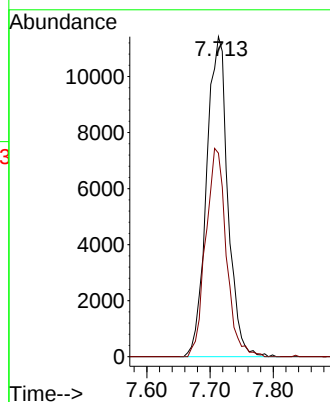
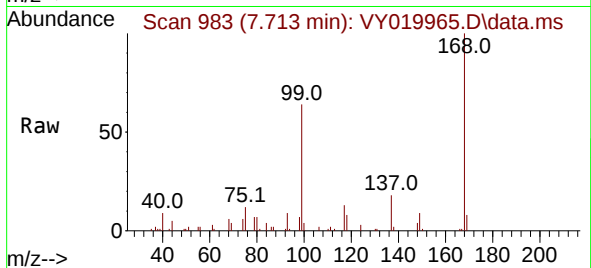




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019965.D
Acq: 21 Oct 2024 16:08

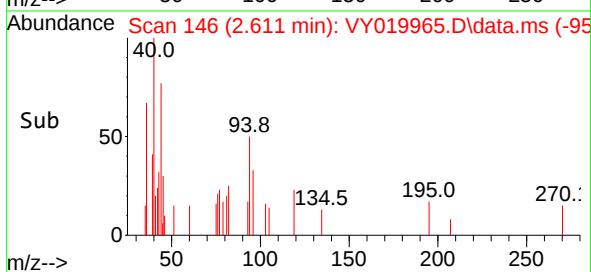
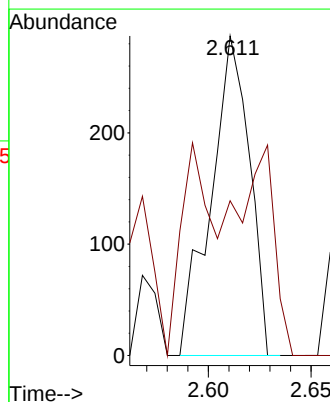
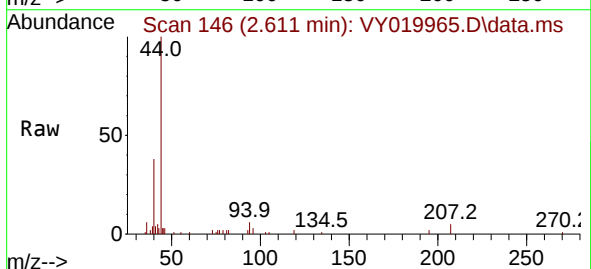
Instrument :
MSVOA_Y
ClientSampleId :

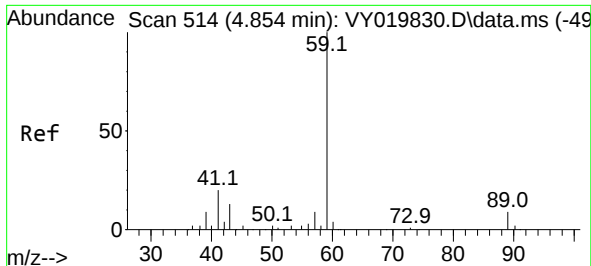
Tgt Ion:168 Resp: 26731
Ion Ratio Lower Upper
168 100
99 63.6 39.1 58.7#



#5
Bromomethane
Concen: 1.658 ug/l
RT: 2.611 min Scan# 146
Delta R.T. 0.012 min
Lab File: VY019965.D
Acq: 21 Oct 2024 16:08

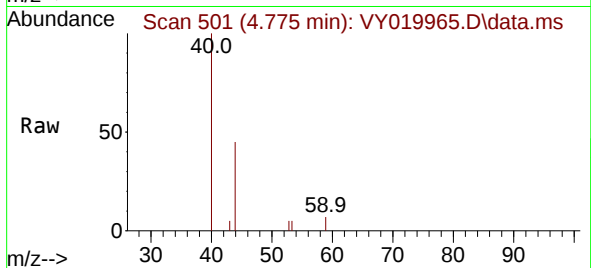
Tgt Ion: 94 Resp: 374
Ion Ratio Lower Upper
94 100
96 30.7 74.1 111.1#



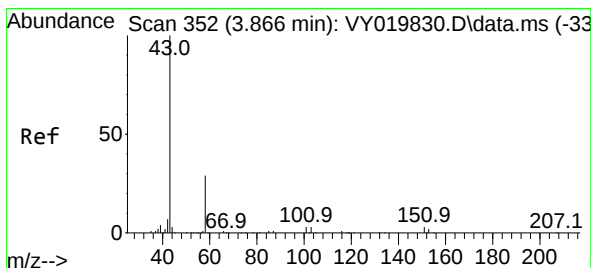
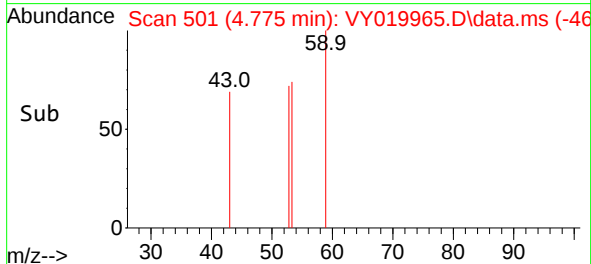
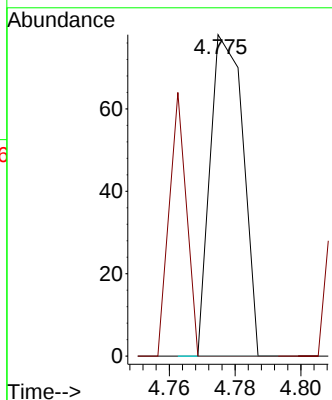


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.775 min Scan# 501
Delta R.T. -0.085 min
Lab File: VY019965.D
Acq: 21 Oct 2024 16:08

Instrument :
MSVOA_Y
ClientSampleId :

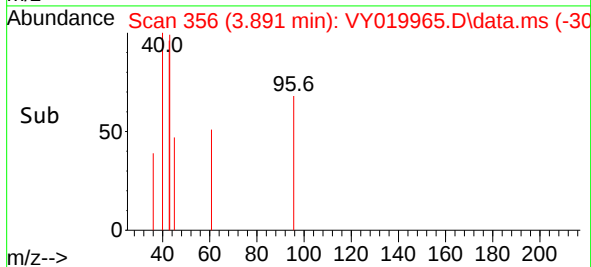
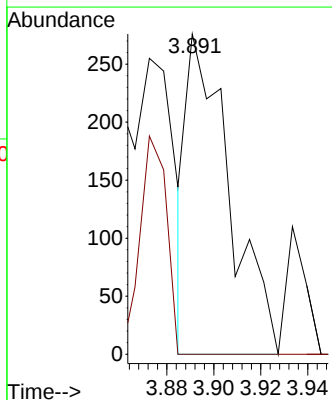
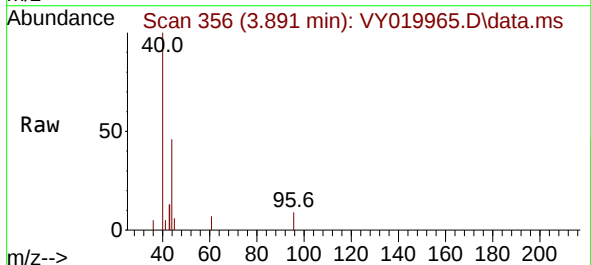


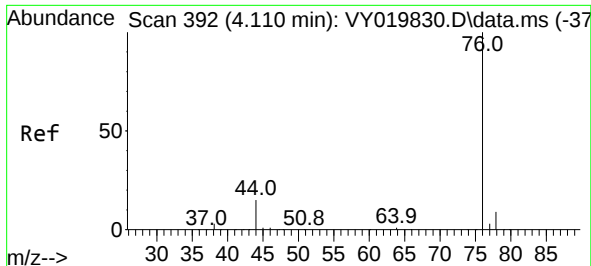
Tgt Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 42.6 3.0 4.6#



#16
Acetone
Concen: 4.073 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.019 min
Lab File: VY019965.D
Acq: 21 Oct 2024 16:08

Tgt Ion: 43 Resp: 349
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#

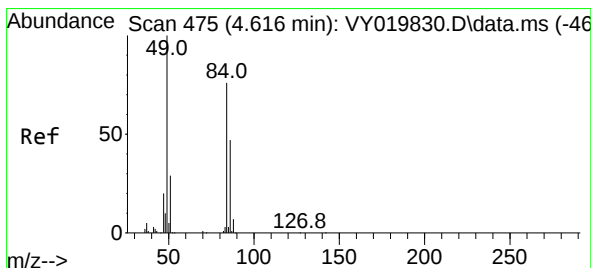
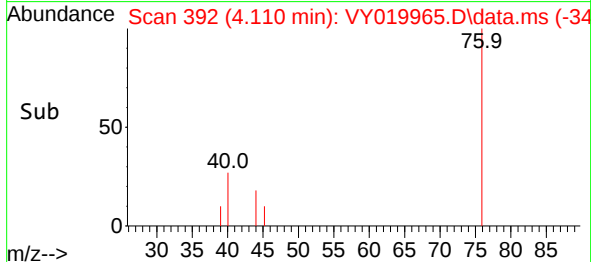
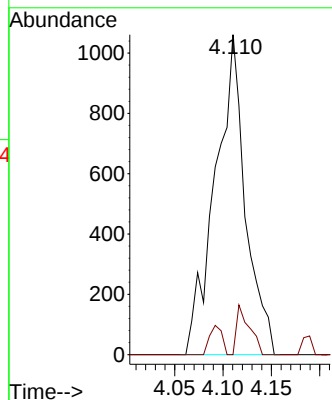
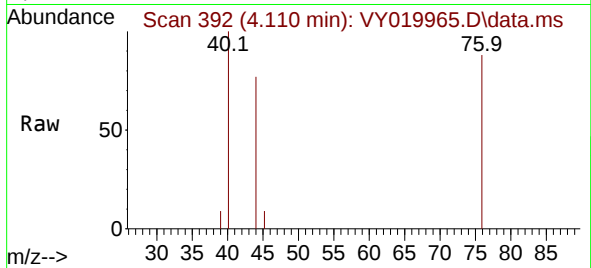




#17
Carbon Disulfide
Concen: 2.994 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY019965.D
Acq: 21 Oct 2024 16:08

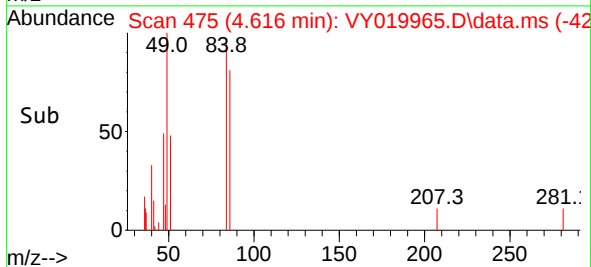
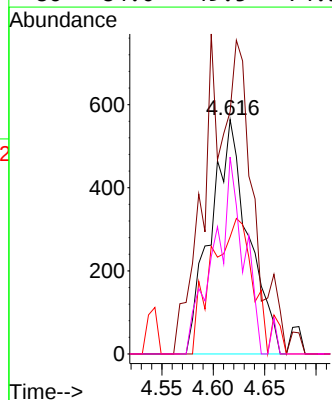
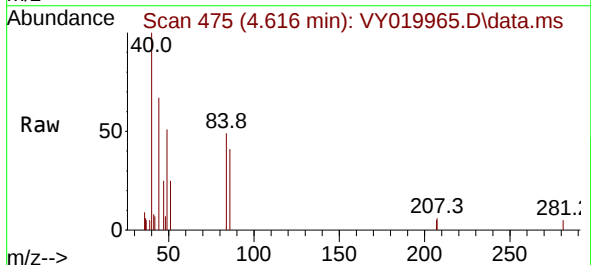
Instrument :
MSVOA_Y
ClientSampleId :

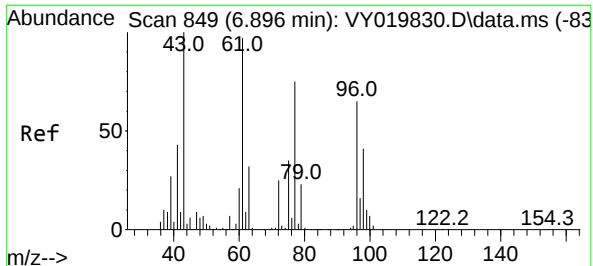
Tgt Ion: 76 Resp: 2301
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#20
Methylene Chloride
Concen: 3.804 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY019965.D
Acq: 21 Oct 2024 16:08

Tgt Ion: 84 Resp: 1440
Ion Ratio Lower Upper
84 100
49 84.8 84.4 126.6
51 50.0 26.0 39.0#
86 84.0 49.5 74.3#





#25

2-Butanone

Concen: 1.142 ug/l

RT: 6.902 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY019965.D

Acq: 21 Oct 2024 16:08

Instrument :

MSVOA_Y

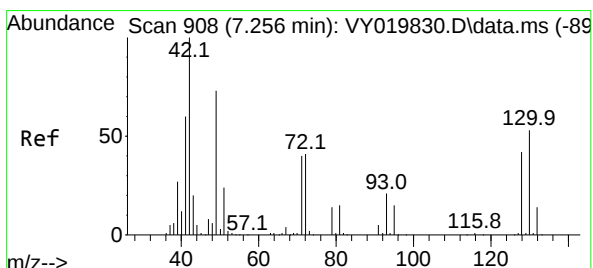
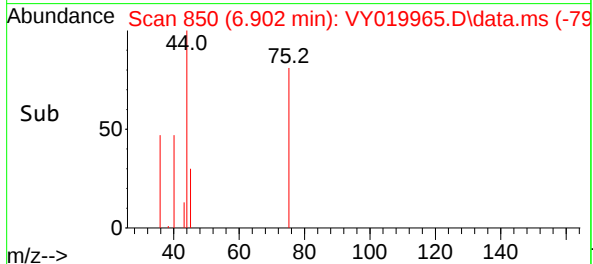
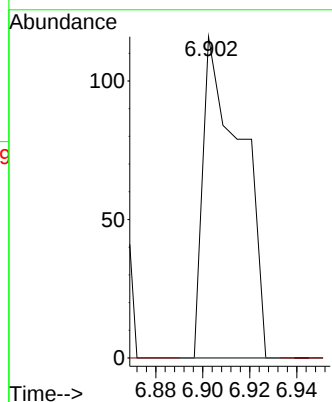
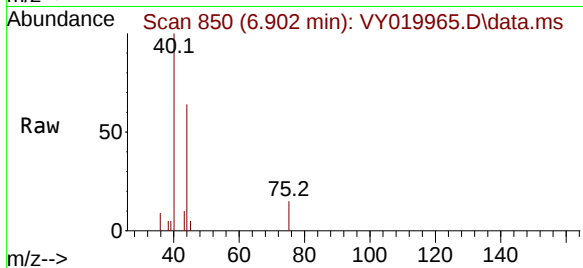
ClientSampleId :

Tgt Ion: 43 Resp: 131

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#29

Tetrahydrofuran

Concen: 2.199 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY019965.D

Acq: 21 Oct 2024 16:08

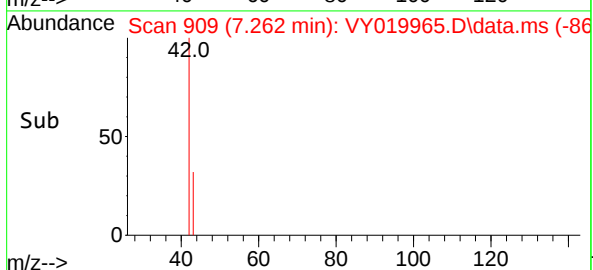
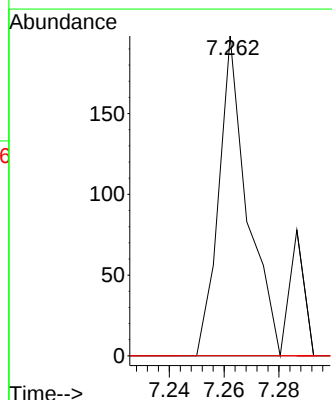
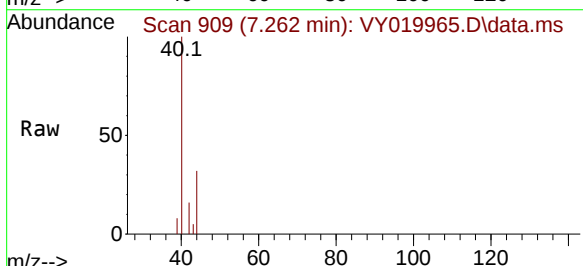
Tgt Ion: 42 Resp: 144

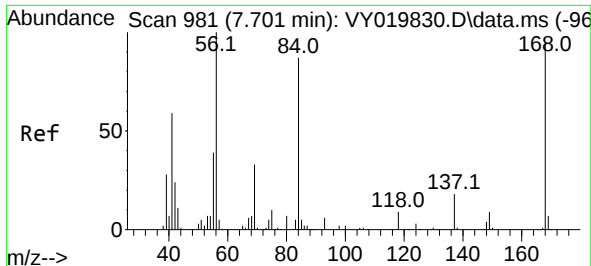
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

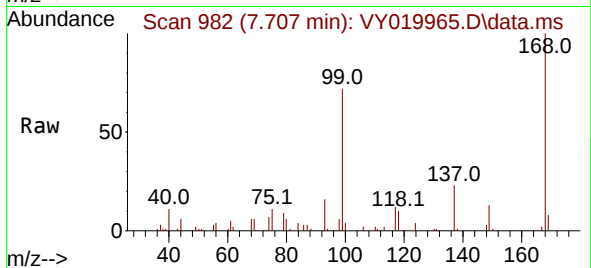
71 0.0 40.8 61.2#



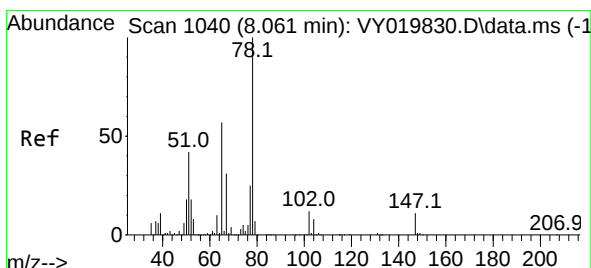
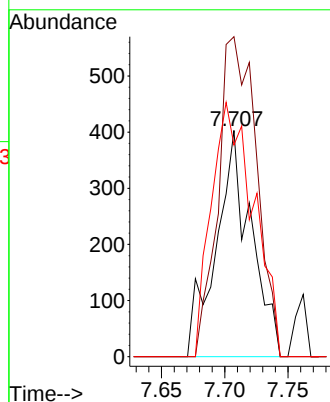
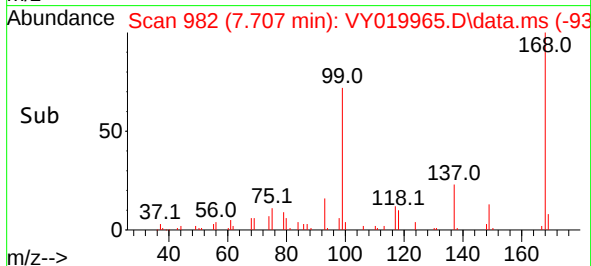


#31
Cyclohexane
Concen: 1.407 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY019965.D
Acq: 21 Oct 2024 16:08

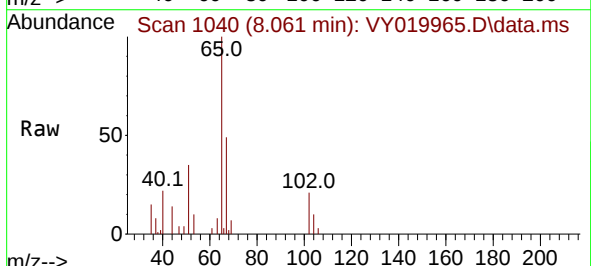
Instrument :
MSVOA_Y
ClientSampleId :



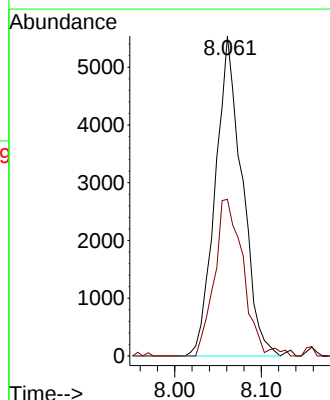
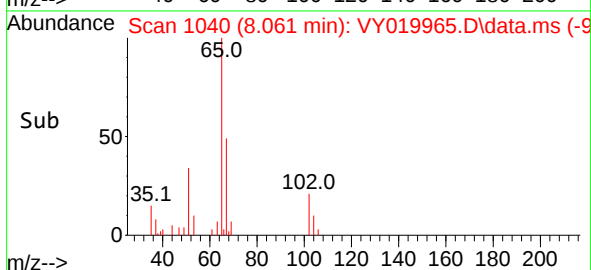
Tgt Ion: 56 Resp: 774
Ion Ratio Lower Upper
56 100
69 141.4 28.7 43.1#
84 93.5 77.7 116.5

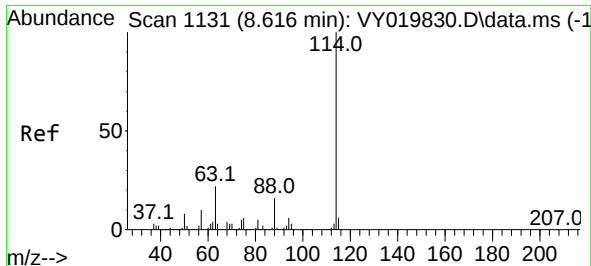


#33
1,2-Dichloroethane-d4
Concen: 36.261 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019965.D
Acq: 21 Oct 2024 16:08



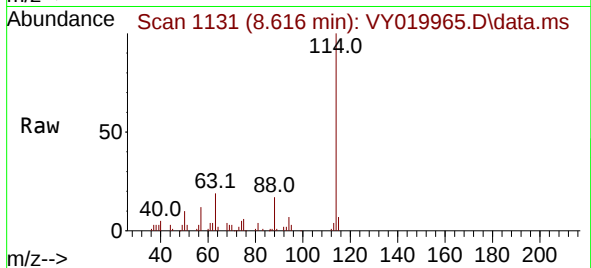
Tgt Ion: 65 Resp: 11935
Ion Ratio Lower Upper
65 100
67 51.8 0.0 109.6



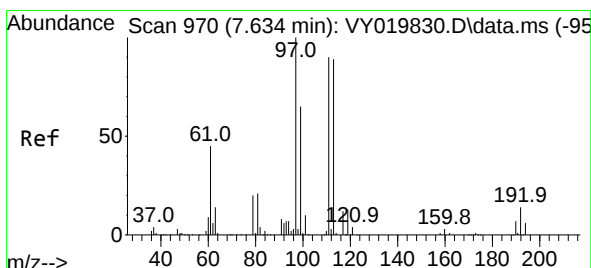
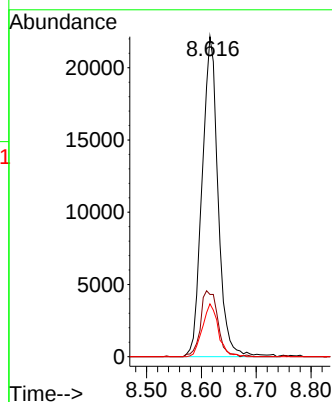
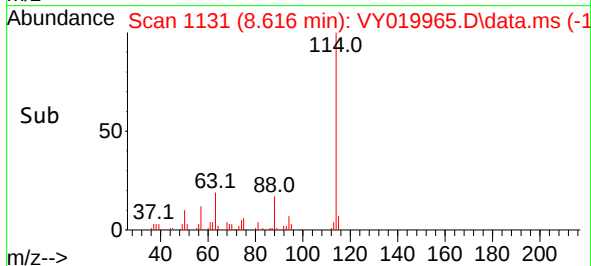


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY019965.D
Acq: 21 Oct 2024 16:08

Instrument :
MSVOA_Y
ClientSampleId :

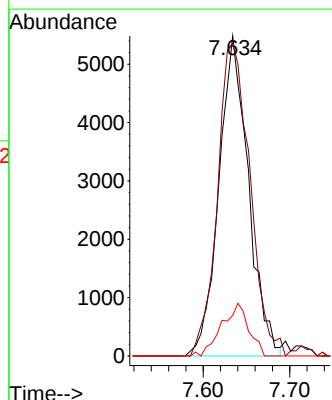
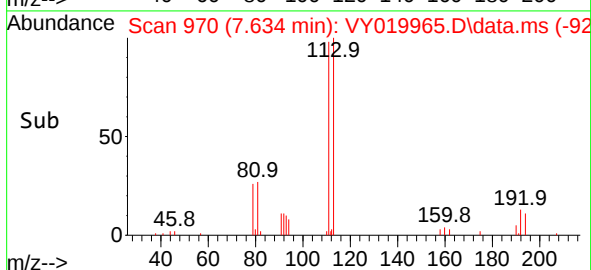
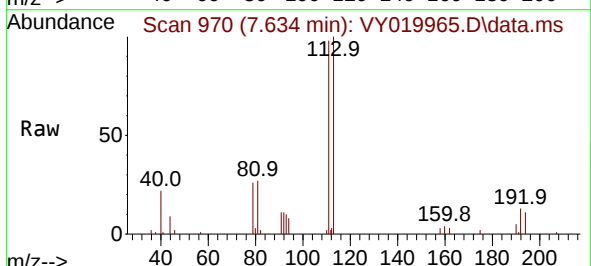


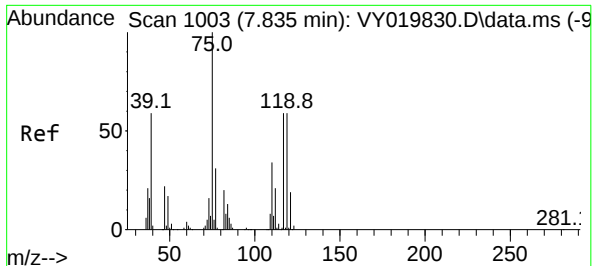
Tgt Ion:114 Resp: 44777
Ion Ratio Lower Upper
114 100
63 19.5 0.0 35.0
88 16.5 0.0 27.2



#35
Dibromofluoromethane
Concen: 43.878 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019965.D
Acq: 21 Oct 2024 16:08

Tgt Ion:113 Resp: 12965
Ion Ratio Lower Upper
113 100
111 107.6 82.2 123.4
192 15.0 15.9 23.9#





#36

1,1-Dichloropropene

Concen: 6.831 ug/l

RT: 7.713 min Scan# 9

Delta R.T. -0.122 min

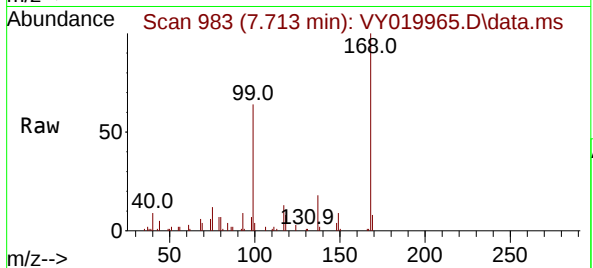
Lab File: VY019965.D

Acq: 21 Oct 2024 16:08

Instrument :

MSVOA_Y

ClientSampleId :



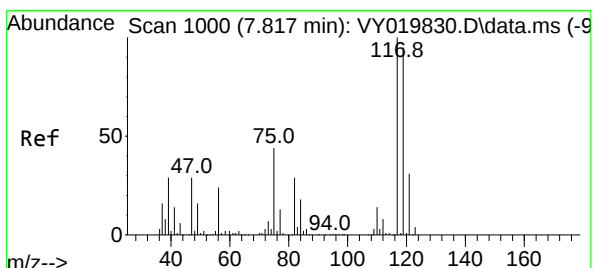
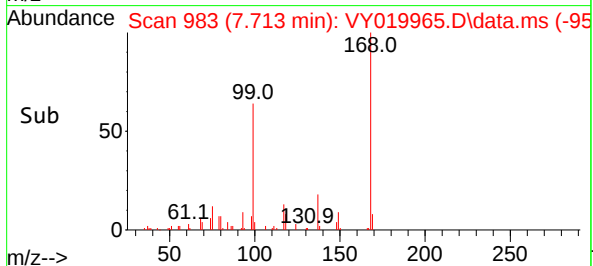
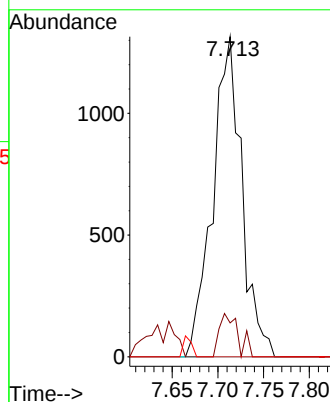
Tgt Ion: 75 Resp: 2908

Ion Ratio Lower Upper

75 100

110 8.8 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.708 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.103 min

Lab File: VY019965.D

Acq: 21 Oct 2024 16:08

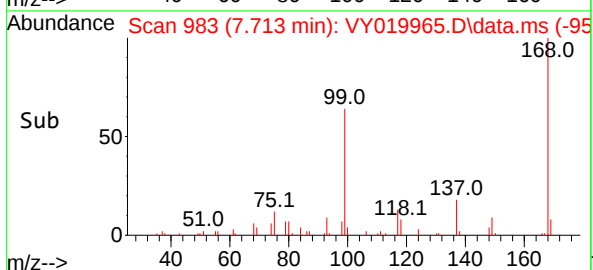
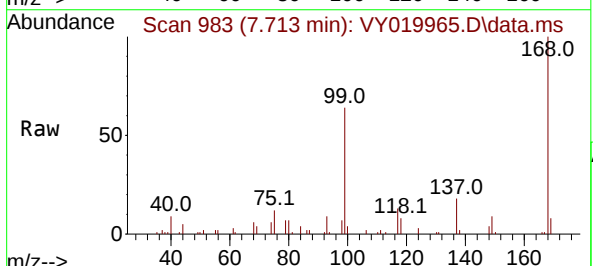
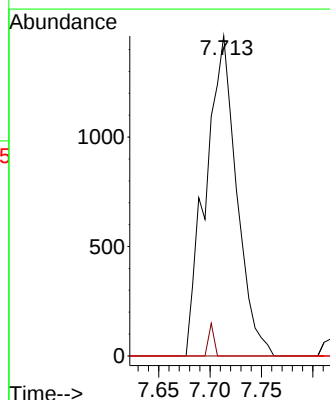
Tgt Ion: 117 Resp: 3061

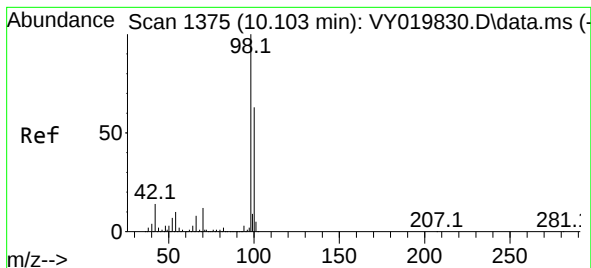
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 43.400 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019965.D

Acq: 21 Oct 2024 16:08

Instrument :

MSVOA_Y

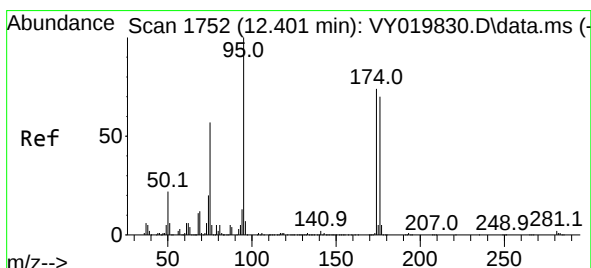
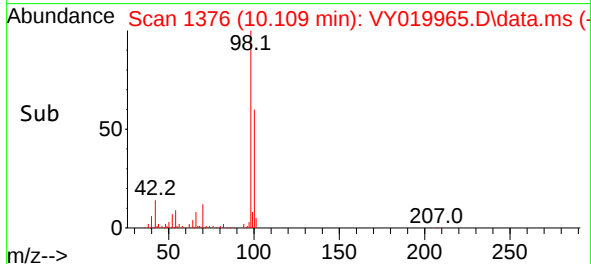
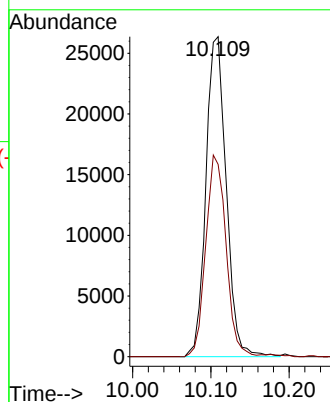
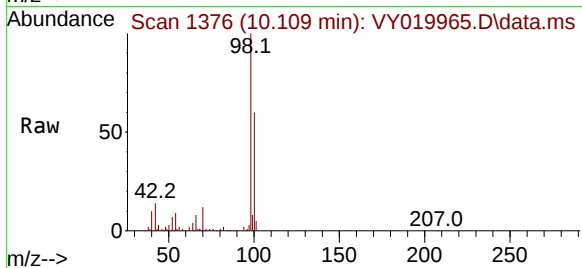
ClientSampleId :

Tgt Ion: 98 Resp: 47356

Ion Ratio Lower Upper

98 100

100 63.2 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 23.966 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY019965.D

Acq: 21 Oct 2024 16:08

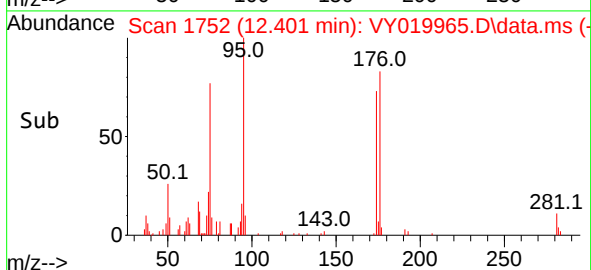
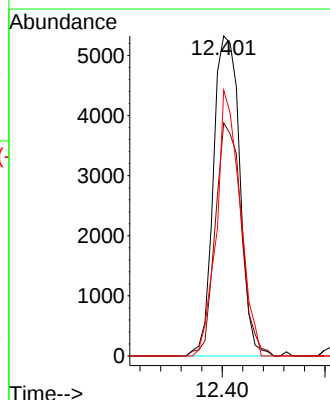
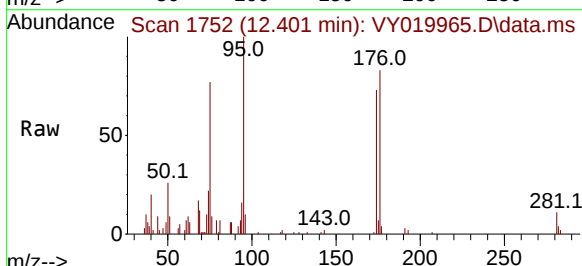
Tgt Ion: 95 Resp: 9449

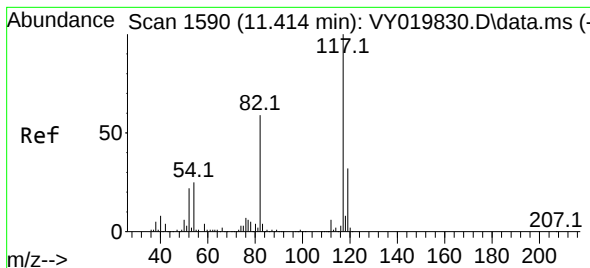
Ion Ratio Lower Upper

95 100

174 71.9 0.0 175.6

176 74.4 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019965.D

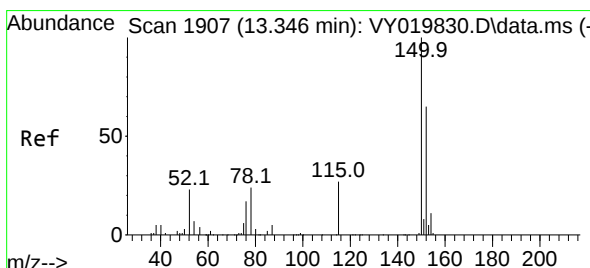
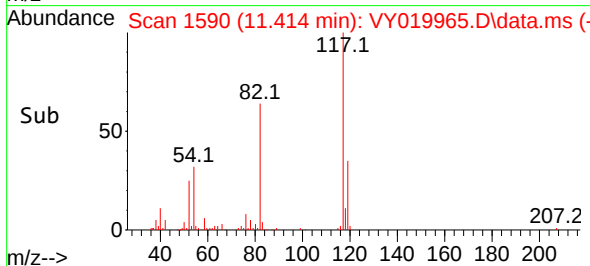
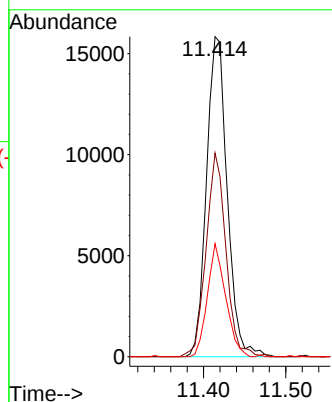
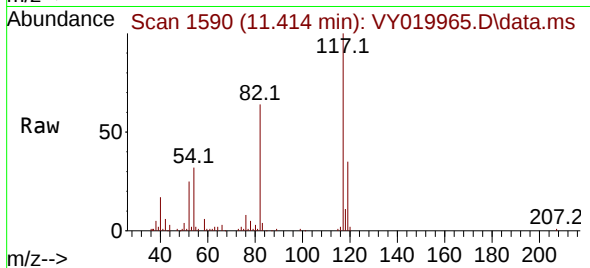
Acq: 21 Oct 2024 16:08

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	27736
Ion Ratio	Lower	Upper
117	100	
82	63.6	42.4 63.6#
119	35.3	25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

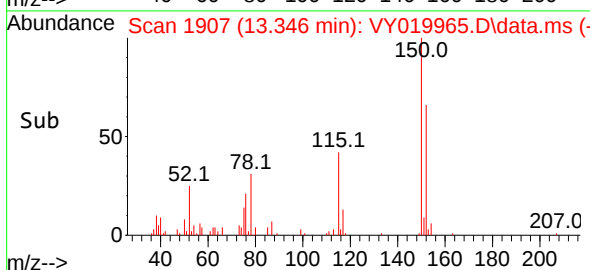
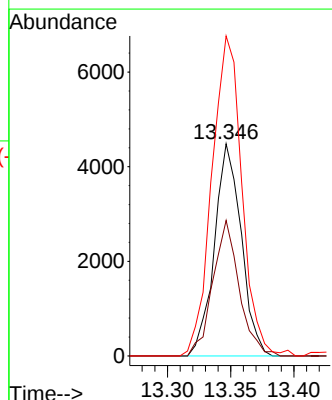
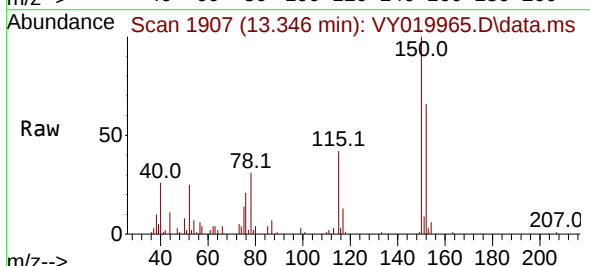
RT: 13.346 min Scan# 1907

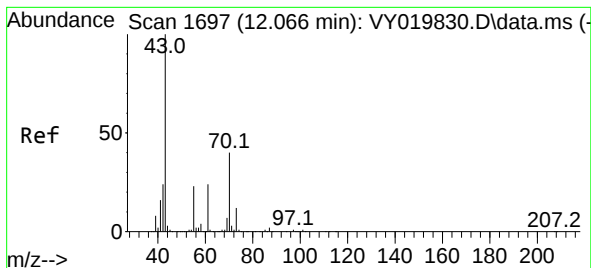
Delta R.T. 0.000 min

Lab File: VY019965.D

Acq: 21 Oct 2024 16:08

Tgt Ion:152	Resp:	6613
Ion Ratio	Lower	Upper
152	100	
115	62.8	28.2 84.7
150	168.7	0.0 345.6





#74

N-amy1 acetate

Concen: 1.079 ug/l

RT: 12.097 min Scan# 1

Delta R.T. 0.025 min

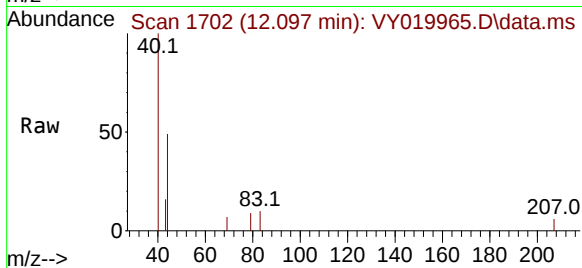
Lab File: VY019965.D

Acq: 21 Oct 2024 16:08

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43 Resp: 159

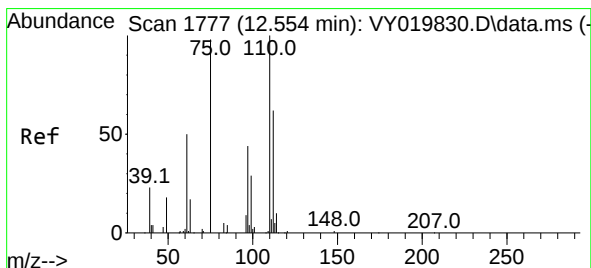
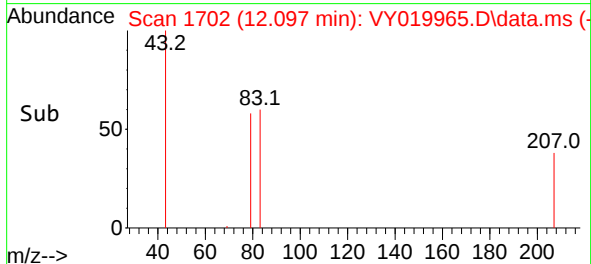
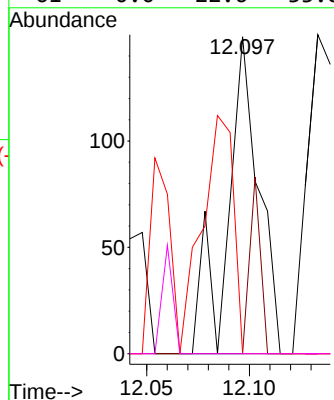
Ion Ratio Lower Upper

43 100

70 18.9 41.4 62.2#

55 74.8 23.3 34.9#

61 0.0 22.6 33.8#



#76

1,2,3-Trichloropropane

Concen: 45.821 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019965.D

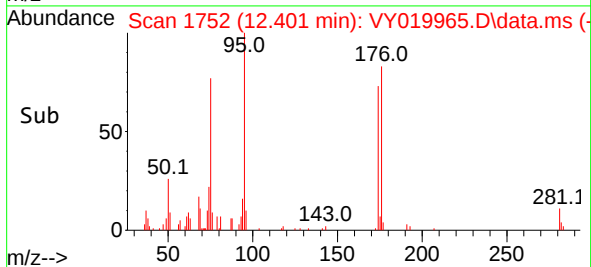
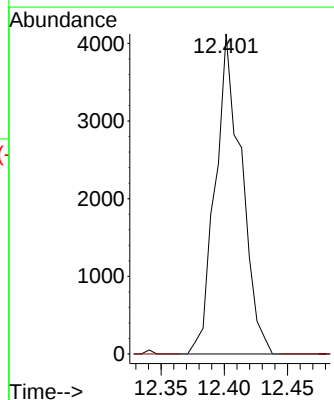
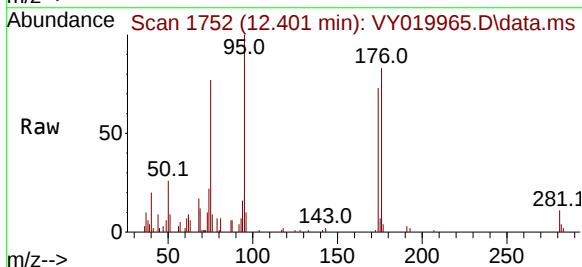
Acq: 21 Oct 2024 16:08

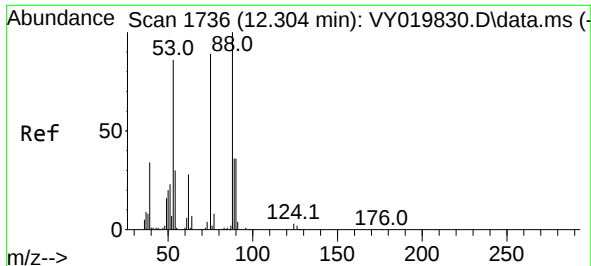
Tgt Ion: 75 Resp: 5936

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

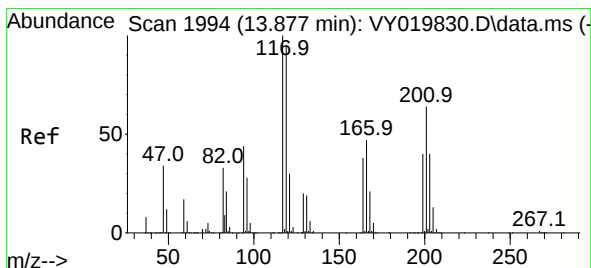
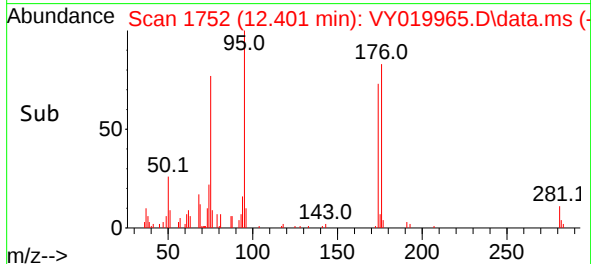
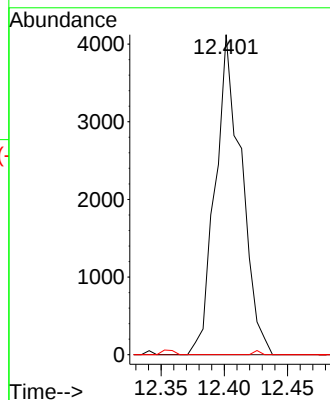
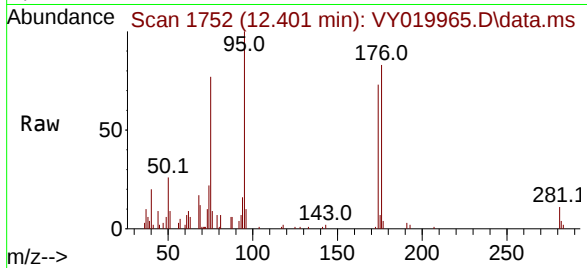




#81
trans-1,4-Dichloro-2-butene
Concen: 184.950 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY019965.D
Acq: 21 Oct 2024 16:08

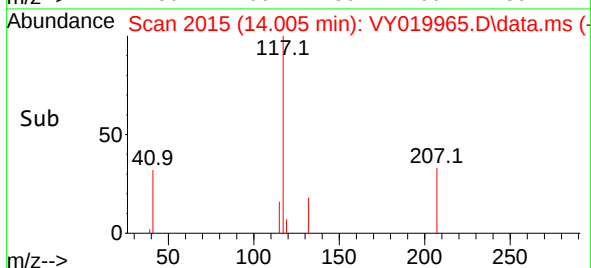
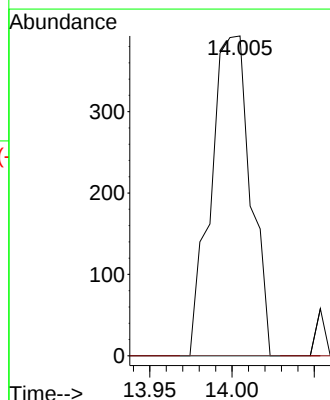
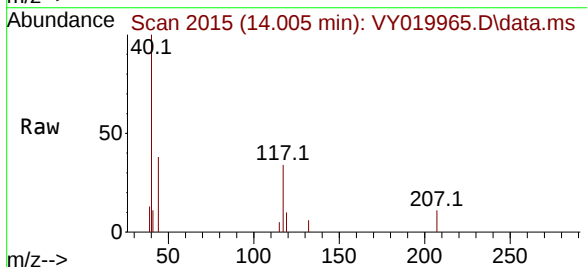
Instrument :
MSVOA_Y
ClientSampleId :

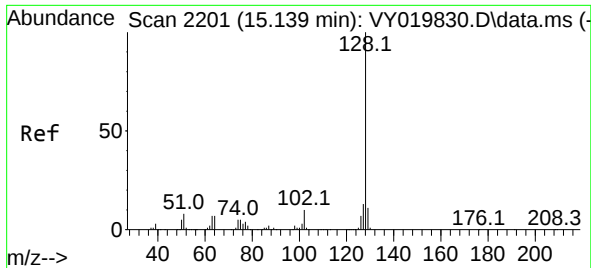
Tgt Ion: 75 Resp: 5936
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#90
Hexachloroethane
Concen: 6.921 ug/l
RT: 14.005 min Scan# 2015
Delta R.T. 0.122 min
Lab File: VY019965.D
Acq: 21 Oct 2024 16:08

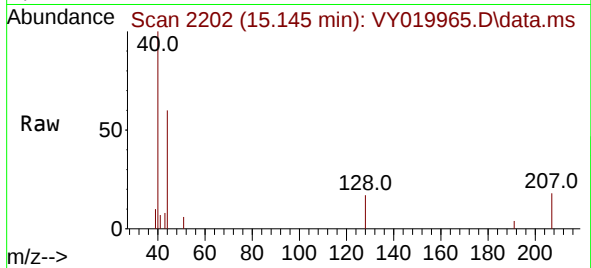
Tgt Ion: 117 Resp: 658
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#





#95
Naphthalene
Concen: 1.029 ug/l
RT: 15.145 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY019965.D
Acq: 21 Oct 2024 16:08

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 228
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

