

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100124\
 Data File : VY019751.D
 Acq On : 01 Oct 2024 19:08
 Operator : SY/MD
 Sample : P4236-06
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 02 03:19:09 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)

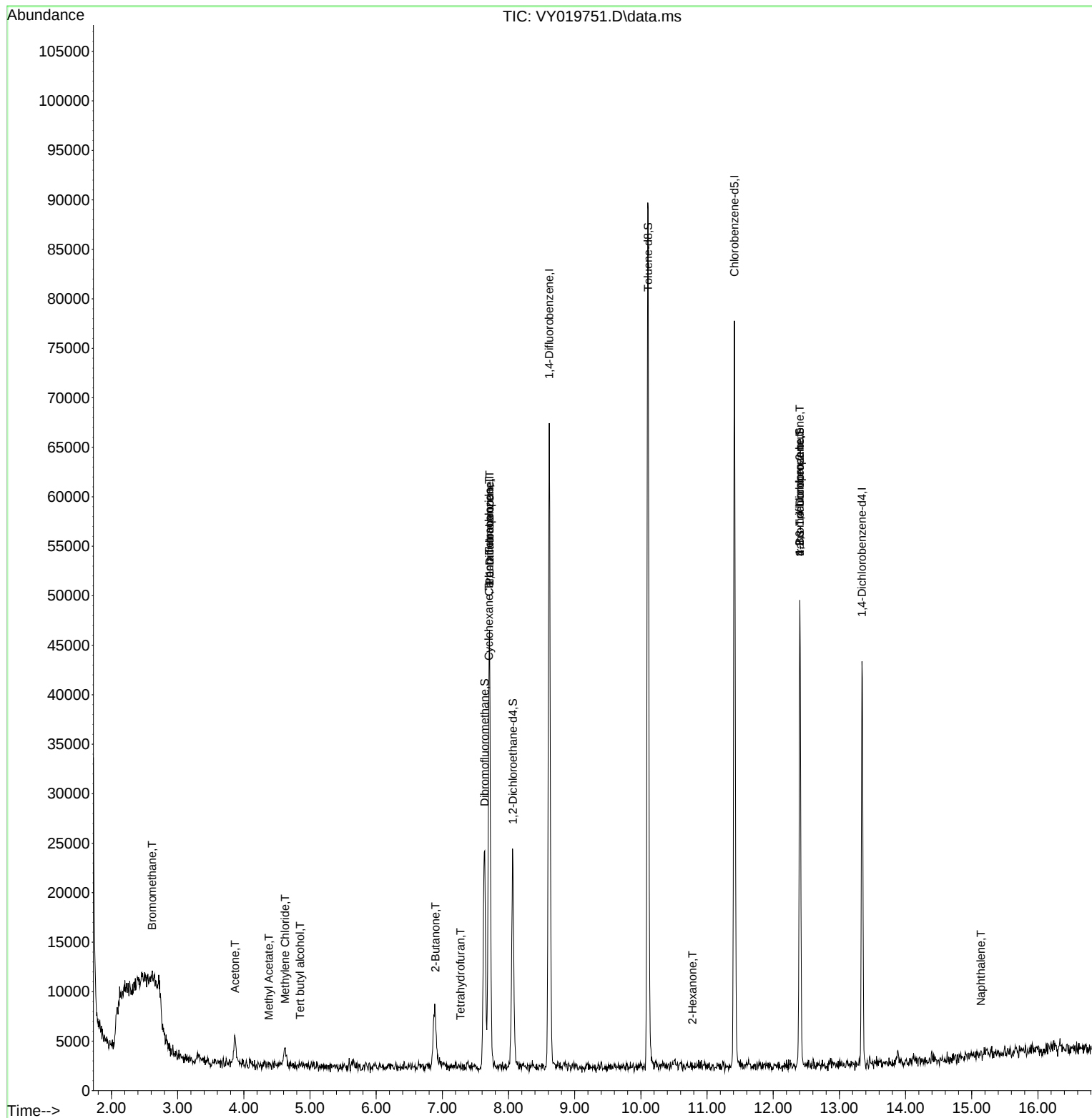
Internal Standards						
1) Pentafluorobenzene	7.713	168	31641	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	54122	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	38008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	9881	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	16000	54.610	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.220%	
35) Dibromofluoromethane	7.640	113	16281	53.056	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.120%	
50) Toluene-d8	10.109	98	58633	51.659	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.320%	
62) 4-Bromofluorobenzene	12.401	95	15317	35.097	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 70.200%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.611	94	327	1.881	ug/l	# 60
11) Tert butyl alcohol	4.848	59	129	5.452	ug/l	# 88
13) Acrolein	3.677	56	63	Below Cal	#	1
16) Acetone	3.866	43	5438	77.908	ug/l	# 84
18) Methyl Acetate	4.378	43	396	2.091	ug/l	# 46
20) Methylene Chloride	4.622	84	1373	4.313	ug/l	# 86
25) 2-Butanone	6.896	43	562	5.661	ug/l	# 6
29) Tetrahydrofuran	7.274	42	181	2.999	ug/l	# 26
31) Cyclohexane	7.701	56	998	1.903	ug/l	# 58
36) 1,1-Dichloropropene	7.713	75	2865	6.861	ug/l	# 46
38) Carbon Tetrachloride	7.707	117	3447	7.321	ug/l	# 17
59) 2-Hexanone	10.780	43	308	1.858	ug/l	# 19
76) 1,2,3-Trichloropropane	12.401	75	7961	85.959	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.401	75	7961	165.017	ug/l	# 16
95) Naphthalene	15.139	128	421	1.254	ug/l	# 69

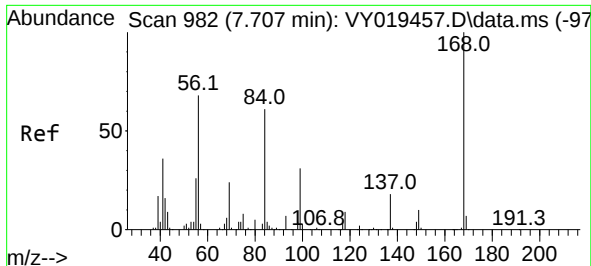
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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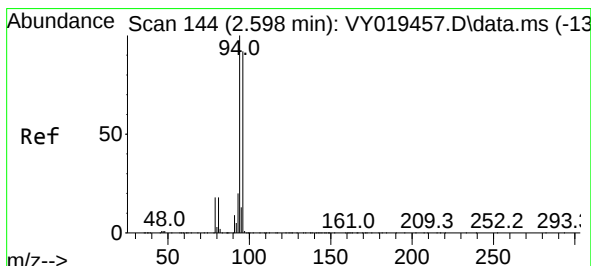
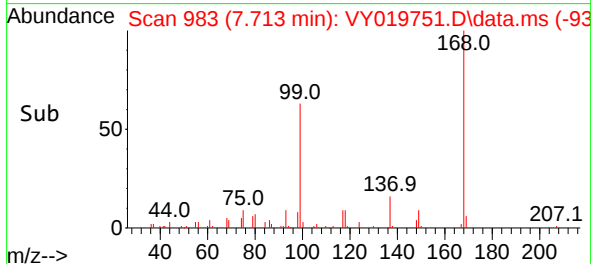
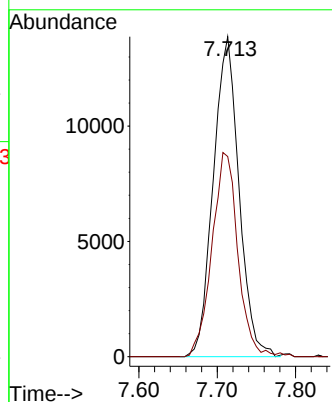
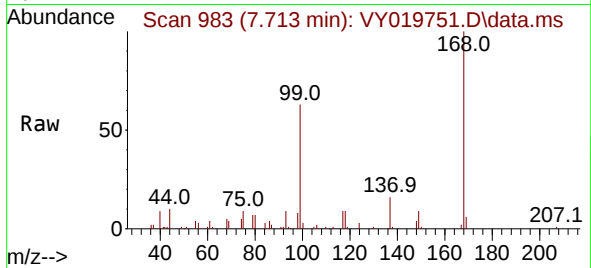




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019751.D
Acq: 01 Oct 2024 19:08

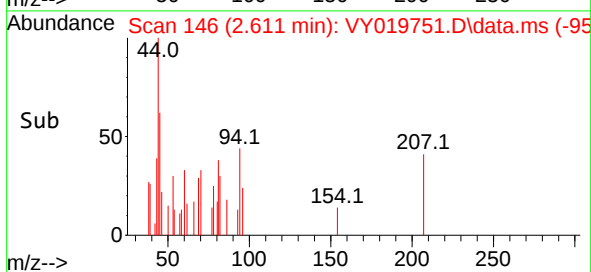
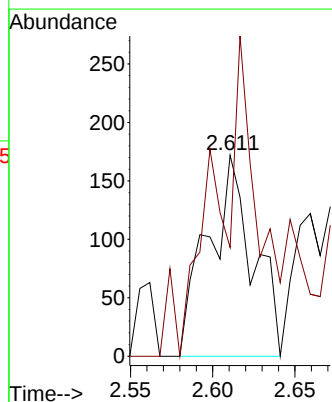
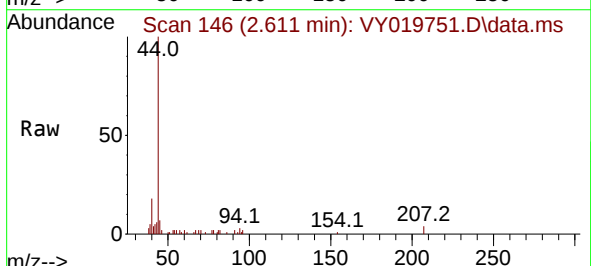
Instrument :
MSVOA_Y
ClientSampleId :

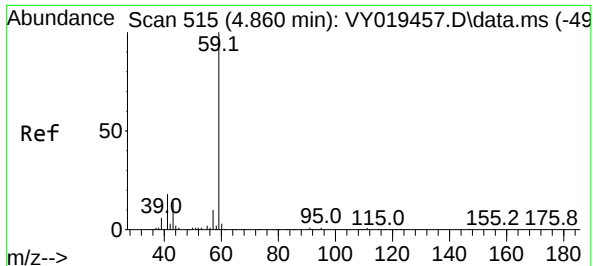
Tgt Ion:168 Resp: 31641
Ion Ratio Lower Upper
168 100
99 62.5 39.1 58.7#



#5
Bromomethane
Concen: 1.881 ug/l
RT: 2.611 min Scan# 146
Delta R.T. 0.012 min
Lab File: VY019751.D
Acq: 01 Oct 2024 19:08

Tgt Ion: 94 Resp: 327
Ion Ratio Lower Upper
94 100
96 54.1 74.1 111.1#





#11

Tert butyl alcohol

Concen: 5.452 ug/l

RT: 4.848 min Scan# 515

Delta R.T. -0.012 min

Lab File: VY019751.D

Acq: 01 Oct 2024 19:08

Instrument :

MSVOA_Y

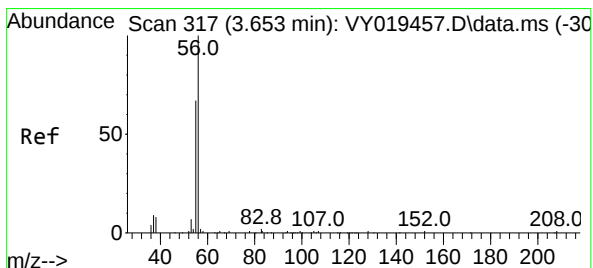
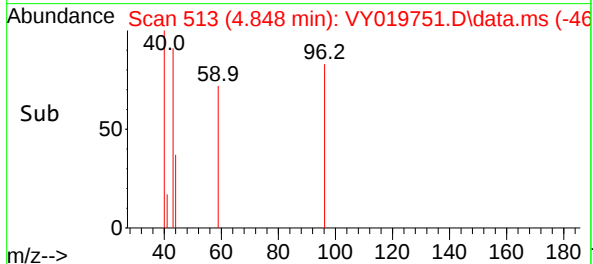
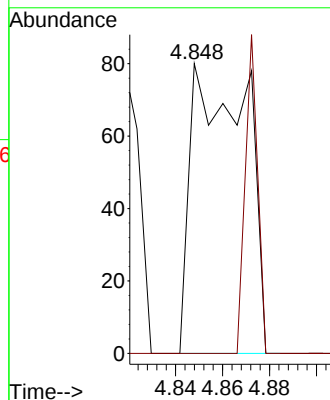
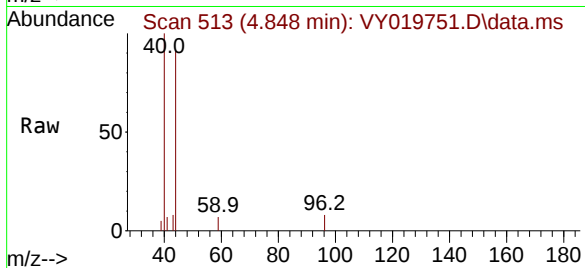
ClientSampleId :

Tgt Ion: 59 Resp: 129

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.677 min Scan# 321

Delta R.T. 0.024 min

Lab File: VY019751.D

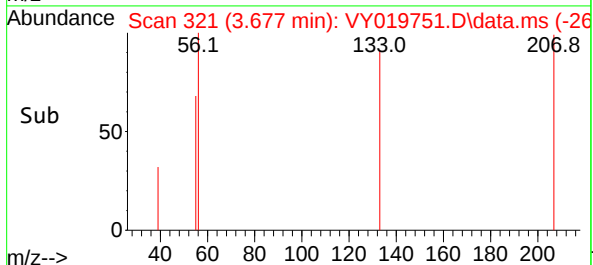
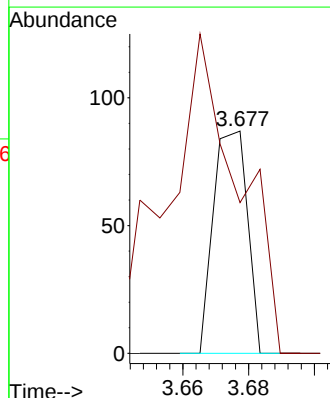
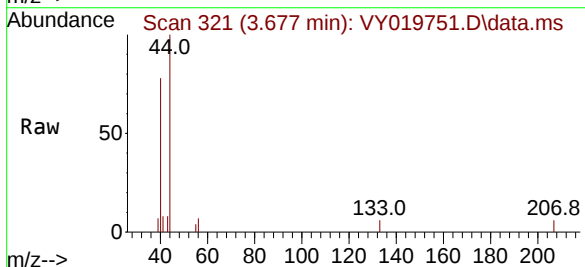
Acq: 01 Oct 2024 19:08

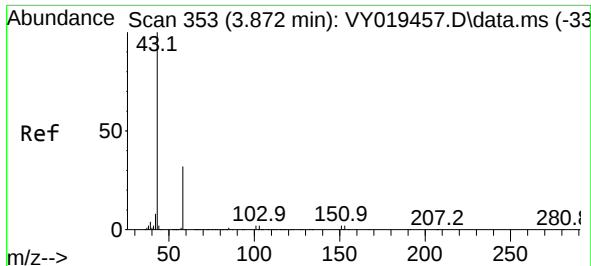
Tgt Ion: 56 Resp: 63

Ion Ratio Lower Upper

56 100

55 298.4 55.7 83.5#

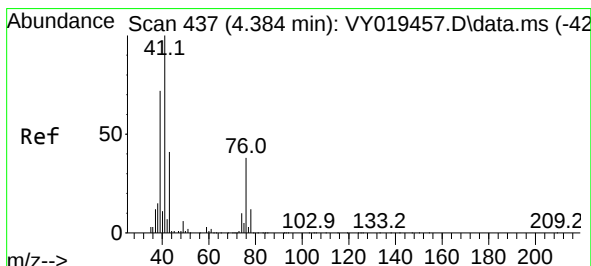
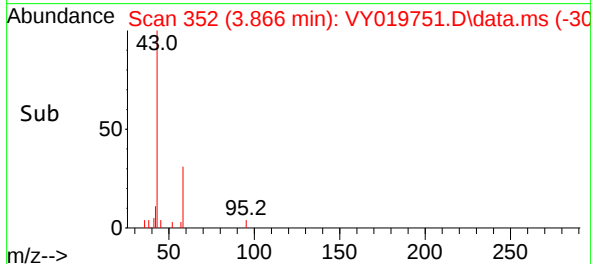
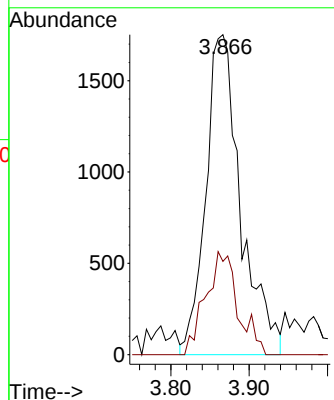
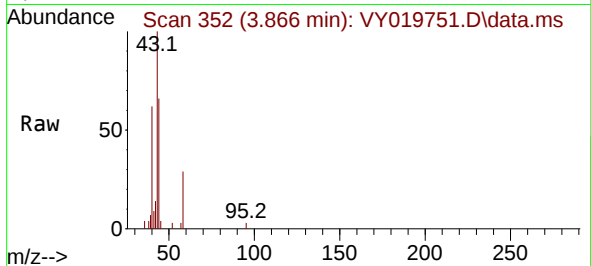




#16
Acetone
Concen: 77.908 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY019751.D
Acq: 01 Oct 2024 19:08

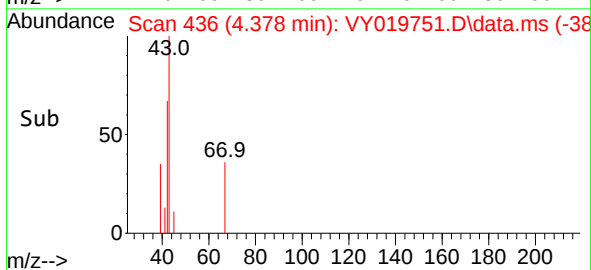
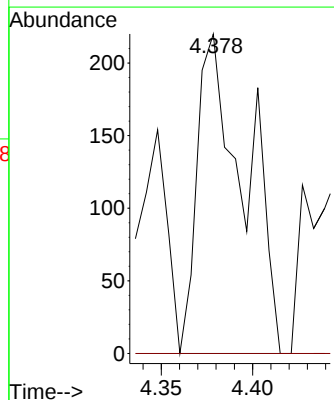
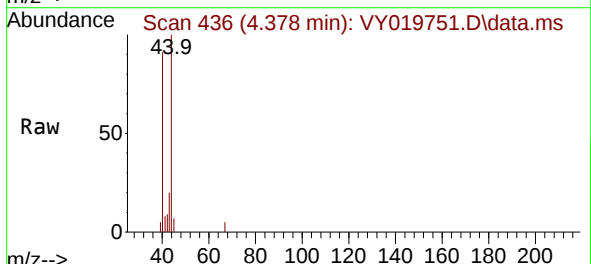
Instrument :
MSVOA_Y
ClientSampleId :

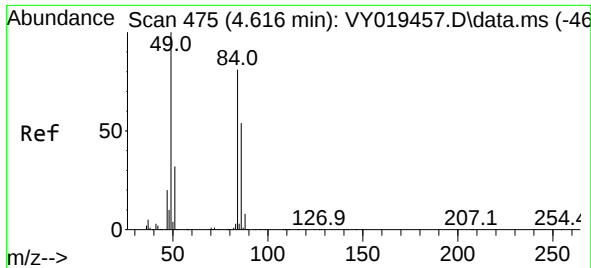
Tgt Ion: 43 Resp: 5438
Ion Ratio Lower Upper
43 100
58 30.0 31.7 47.5#



#18
Methyl Acetate
Concen: 2.091 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY019751.D
Acq: 01 Oct 2024 19:08

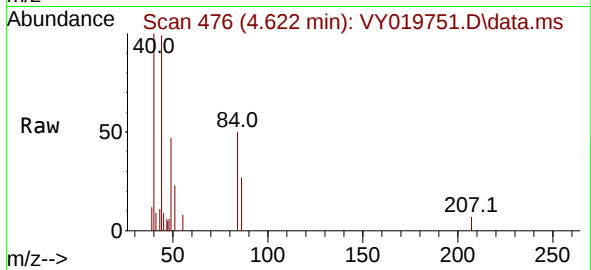
Tgt Ion: 43 Resp: 396
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#





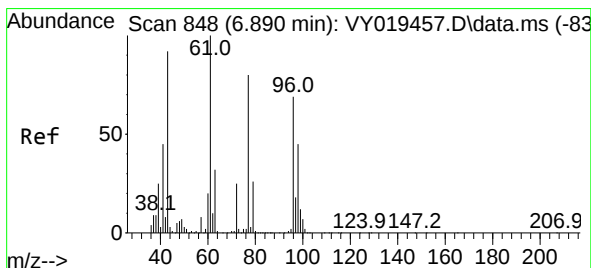
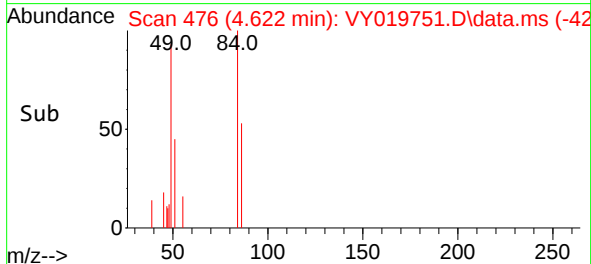
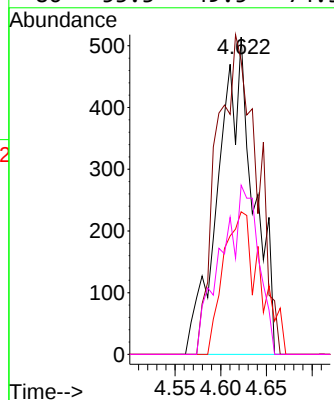
#20
Methylene Chloride
Concen: 4.313 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY019751.D
Acq: 01 Oct 2024 19:08

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 1373

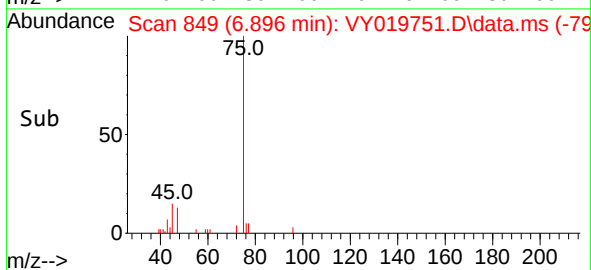
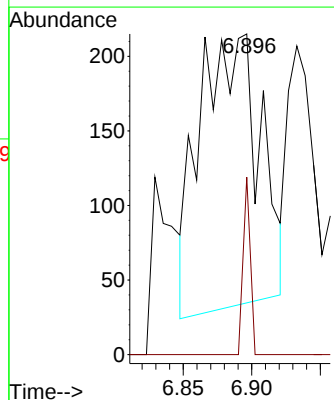
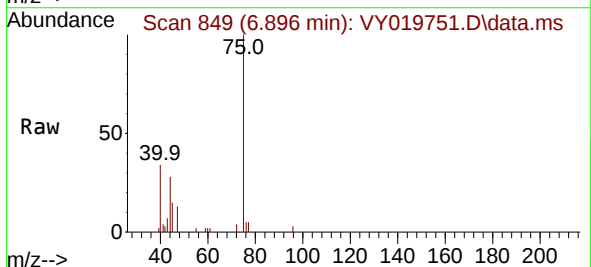
Ion	Ratio	Lower	Upper
84	100		
49	92.6	84.4	126.6
51	44.9	26.0	39.0
86	53.3	49.5	74.3

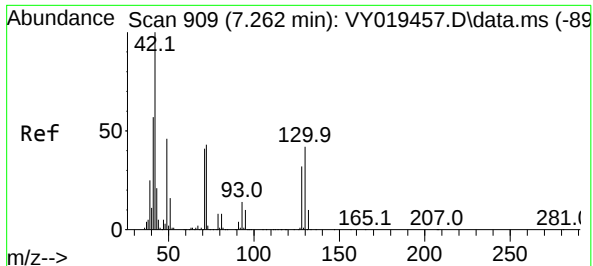


#25
2-Butanone
Concen: 5.661 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY019751.D
Acq: 01 Oct 2024 19:08

Tgt Ion: 43 Resp: 562

Ion	Ratio	Lower	Upper
43	100		
72	88.1	27.3	40.9

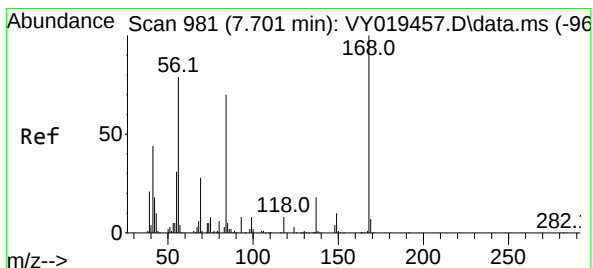
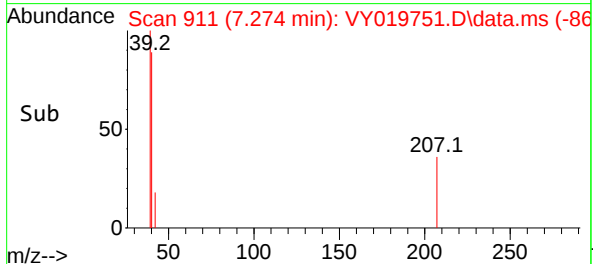
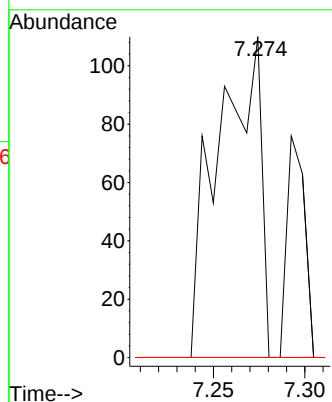
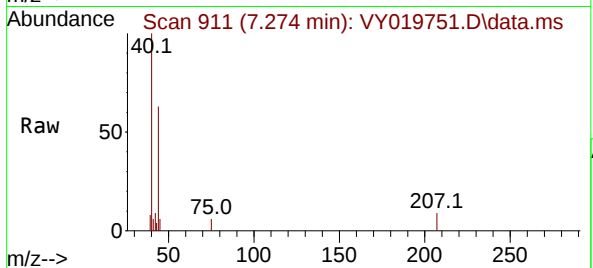




#29
Tetrahydrofuran
Concen: 2.999 ug/l
RT: 7.274 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY019751.D
Acq: 01 Oct 2024 19:08

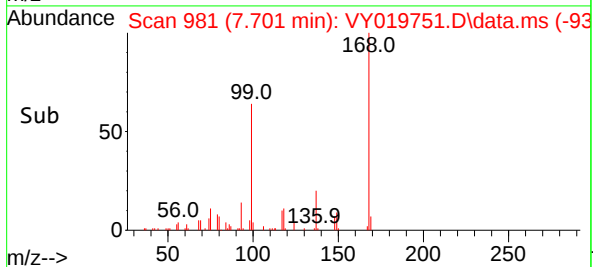
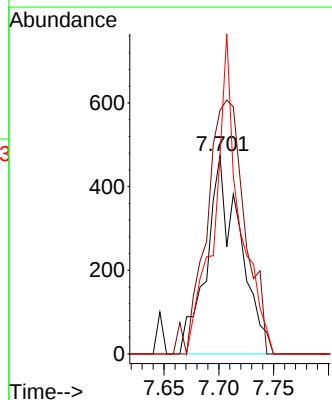
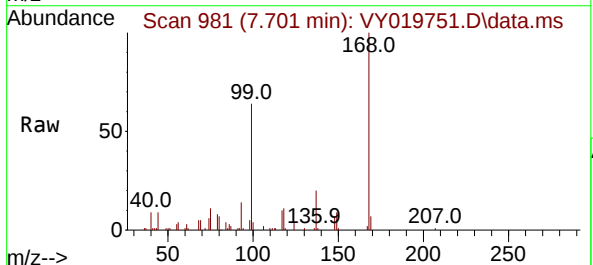
Instrument :
MSVOA_Y
ClientSampleId :

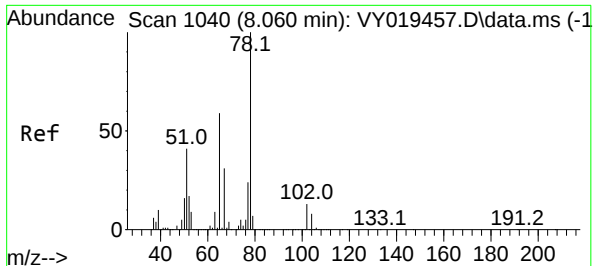
Tgt Ion: 42 Resp: 181
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.4#
71 0.0 40.8 61.2#



#31
Cyclohexane
Concen: 1.903 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019751.D
Acq: 01 Oct 2024 19:08

Tgt Ion: 56 Resp: 998
Ion Ratio Lower Upper
56 100
69 123.0 28.7 43.1#
84 100.0 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 54.610 ug/l

RT: 8.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY019751.D

Acq: 01 Oct 2024 19:08

Instrument :

MSVOA_Y

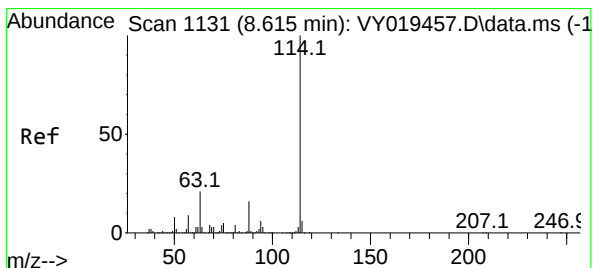
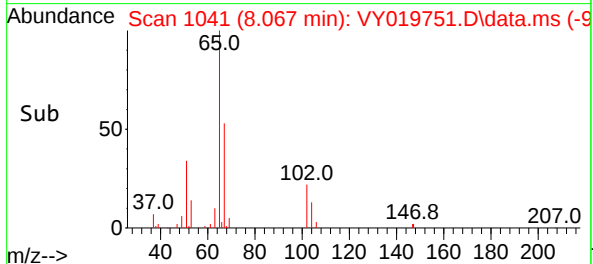
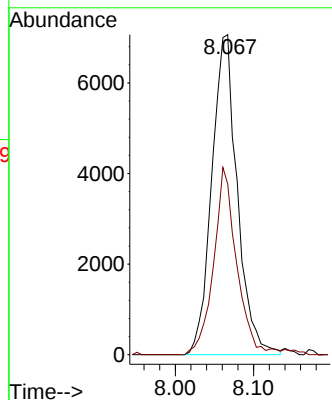
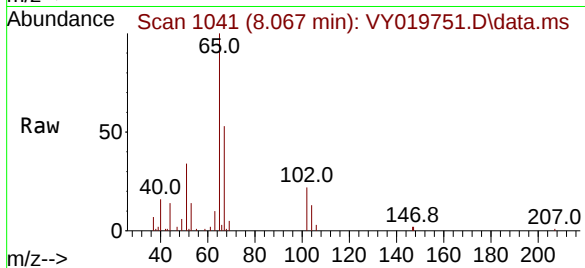
ClientSampleId :

Tgt Ion: 65 Resp: 16000

Ion Ratio Lower Upper

65 100

67 52.9 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: VY019751.D

Acq: 01 Oct 2024 19:08

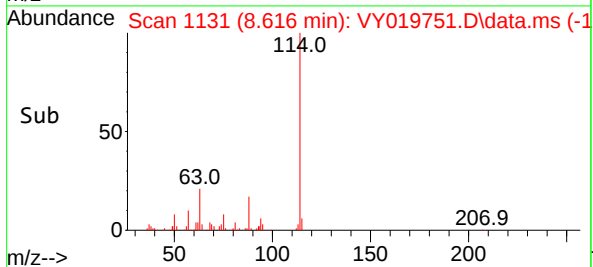
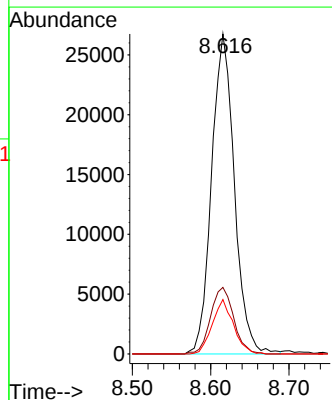
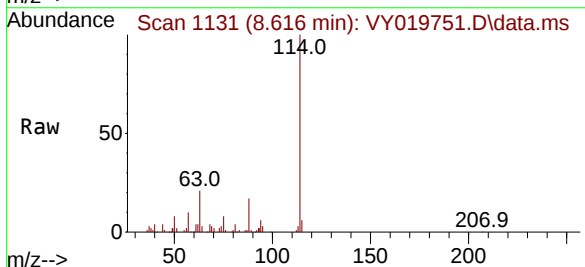
Tgt Ion: 114 Resp: 54122

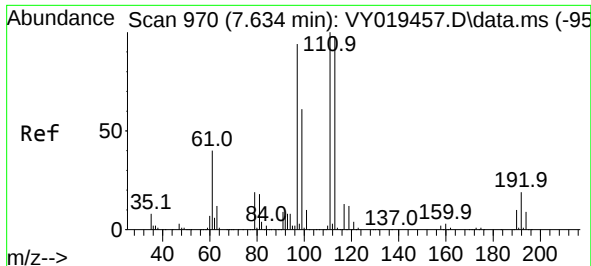
Ion Ratio Lower Upper

114 100

63 20.8 0.0 35.0

88 17.0 0.0 27.2





#35

Dibromofluoromethane

Concen: 53.056 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY019751.D

Acq: 01 Oct 2024 19:08

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ClientSampleId :

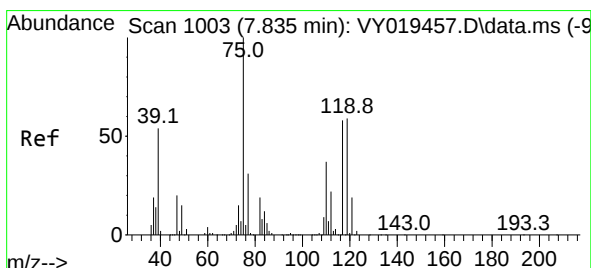
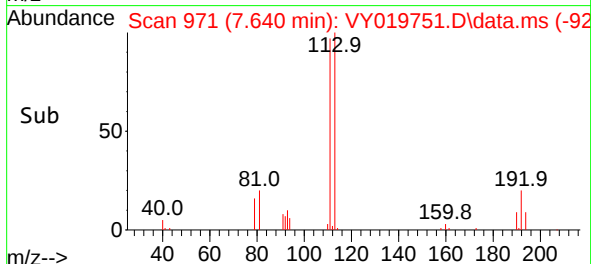
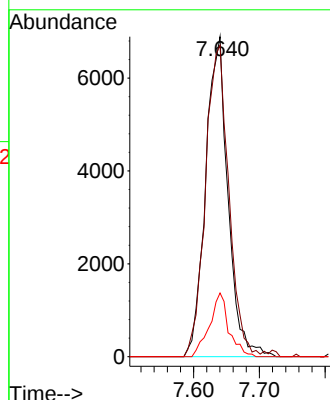
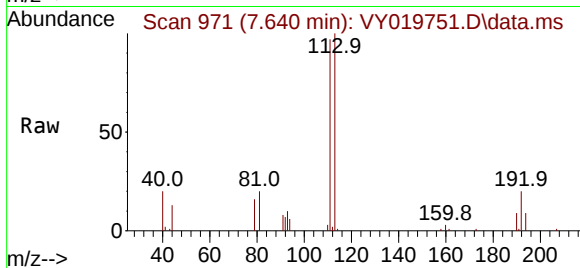
Tgt Ion:113 Resp: 16281

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.4

192 17.2 15.9 23.9



#36

1,1-Dichloropropene

Concen: 6.861 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY019751.D

Acq: 01 Oct 2024 19:08

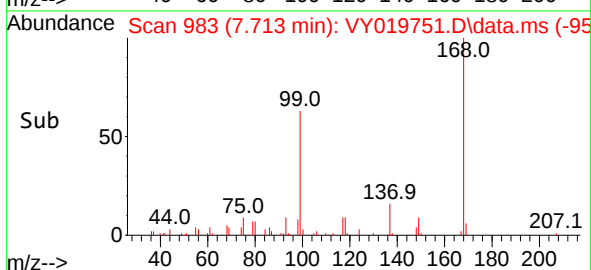
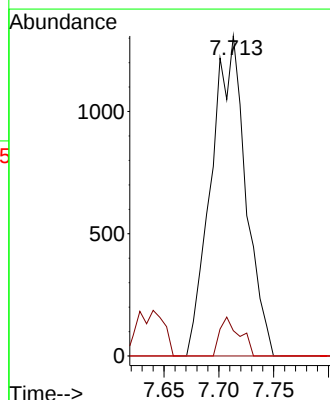
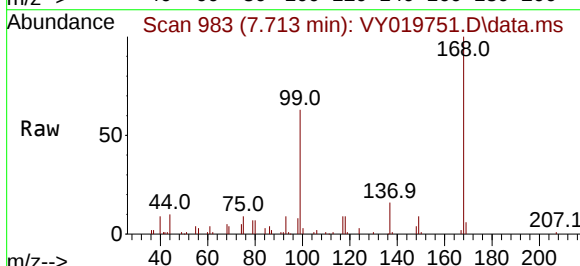
Tgt Ion: 75 Resp: 2865

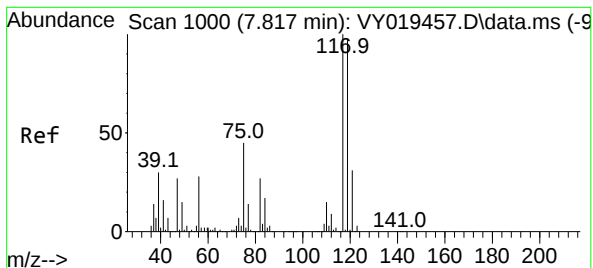
Ion Ratio Lower Upper

75 100

110 7.0 19.0 57.0#

77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 7.321 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.109 min

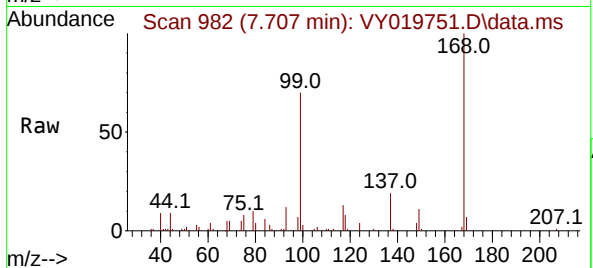
Lab File: VY019751.D

Acq: 01 Oct 2024 19:08

Instrument :

MSVOA_Y

ClientSampleId :



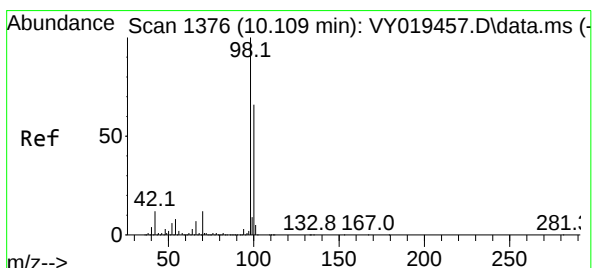
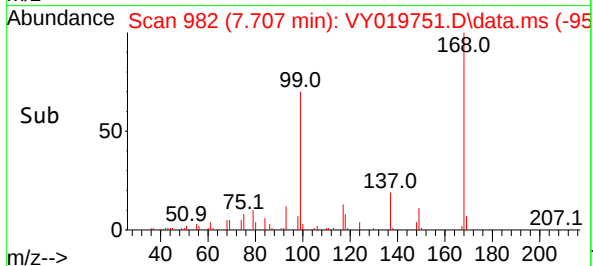
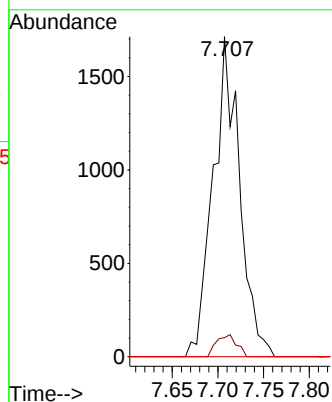
Tgt Ion:117 Resp: 3447

Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.6#

121 0.0 24.0 36.0#



#50

Toluene-d8

Concen: 51.659 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY019751.D

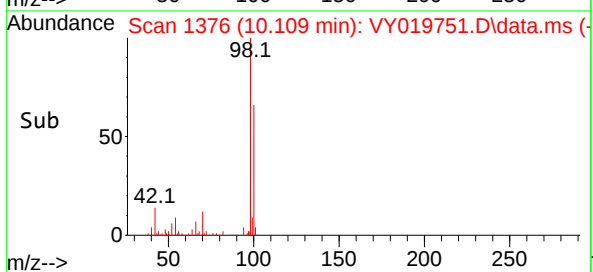
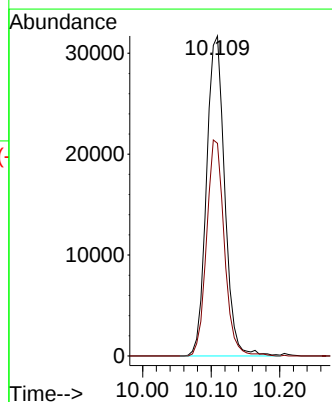
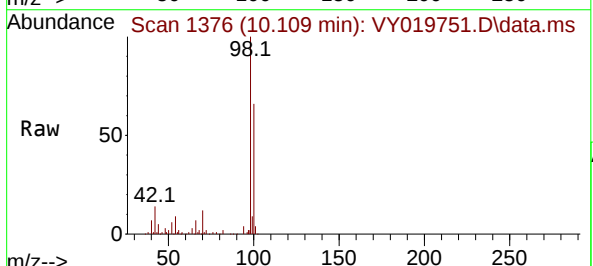
Acq: 01 Oct 2024 19:08

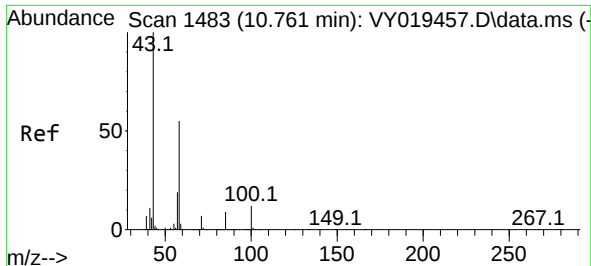
Tgt Ion: 98 Resp: 58633

Ion Ratio Lower Upper

98 100

100 65.9 52.0 78.0

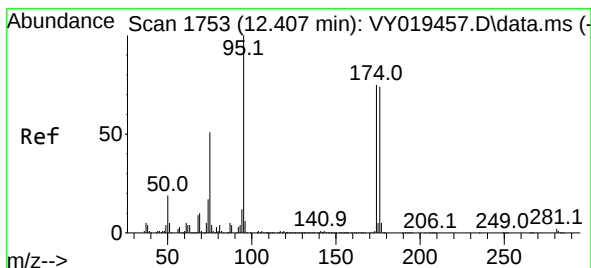
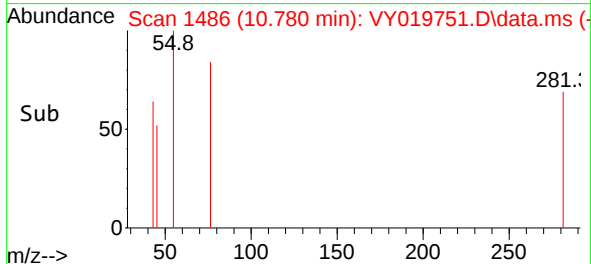
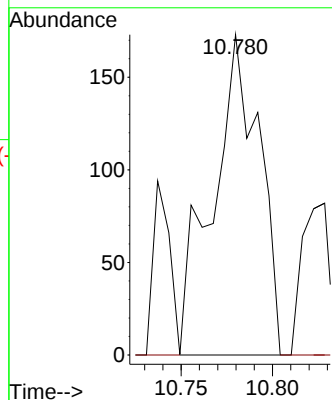
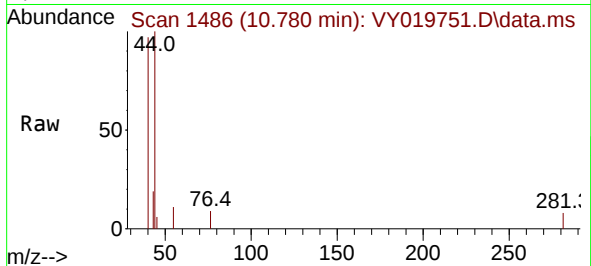




#59
2-Hexanone
Concen: 1.858 ug/l
RT: 10.780 min Scan# 1486
Delta R.T. 0.019 min
Lab File: VY019751.D
Acq: 01 Oct 2024 19:08

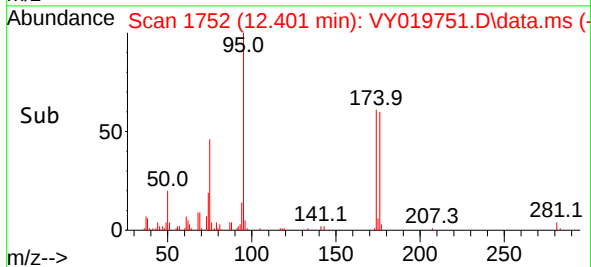
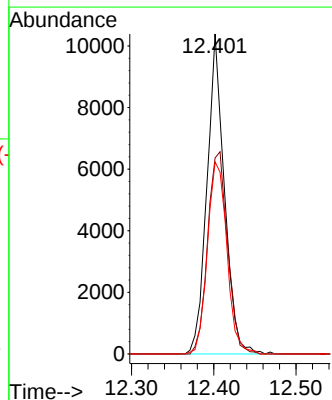
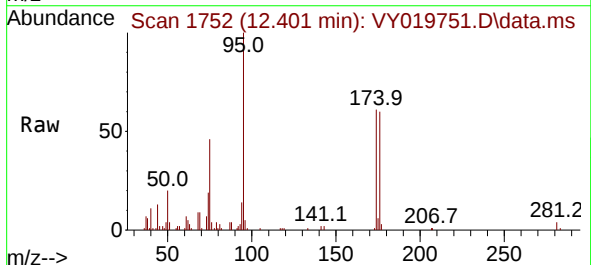
Instrument :
MSVOA_Y
ClientSampleId :

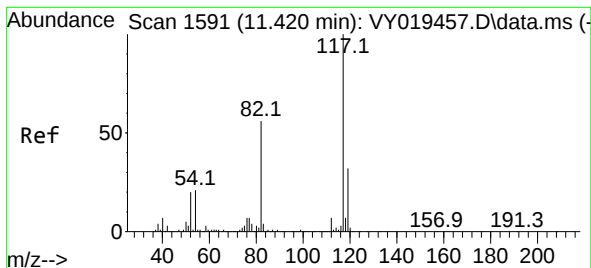
Tgt Ion: 43 Resp: 308
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 35.097 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019751.D
Acq: 01 Oct 2024 19:08

Tgt Ion: 95 Resp: 15317
Ion Ratio Lower Upper
95 100
174 72.4 0.0 175.6
176 67.2 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: VY019751.D

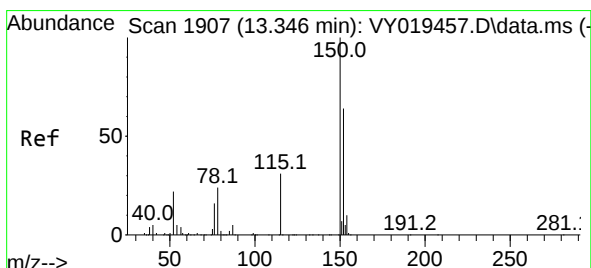
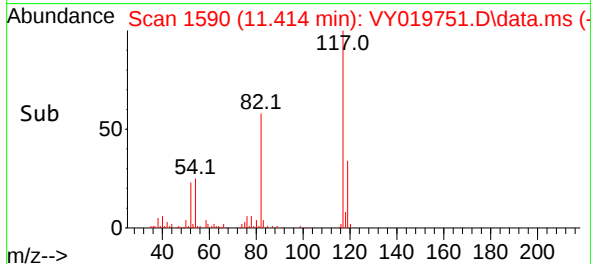
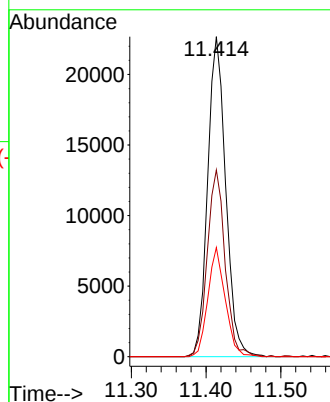
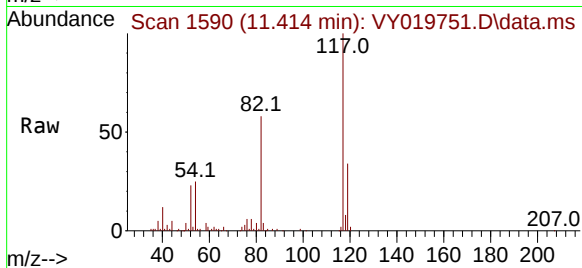
Acq: 01 Oct 2024 19:08

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	38008
Ion	Ratio	Lower Upper
117	100	
82	58.4	42.4 63.6
119	34.1	25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

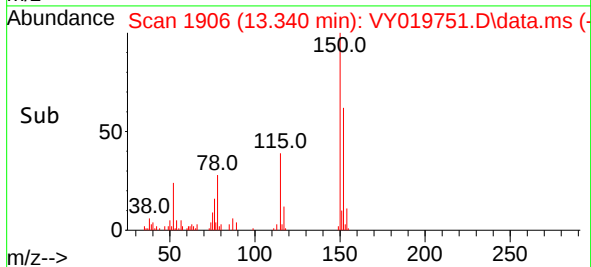
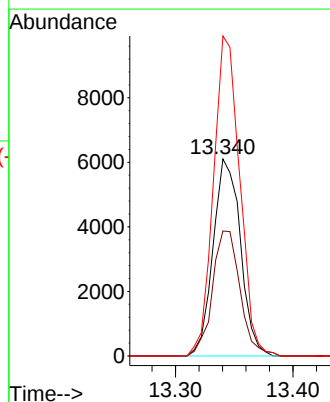
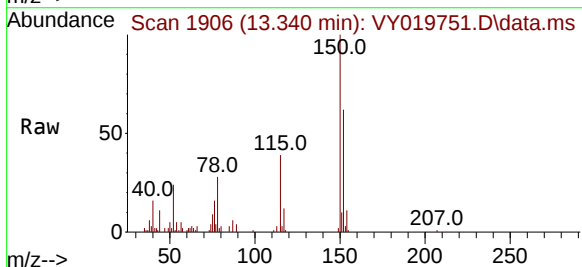
RT: 13.340 min Scan# 1906

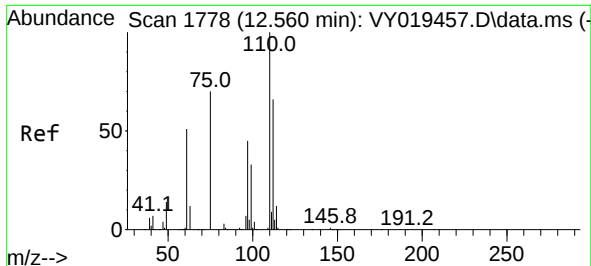
Delta R.T. -0.006 min

Lab File: VY019751.D

Acq: 01 Oct 2024 19:08

Tgt Ion:152	Resp:	9881
Ion	Ratio	Lower Upper
152	100	
115	64.0	28.2 84.7
150	155.8	0.0 345.6

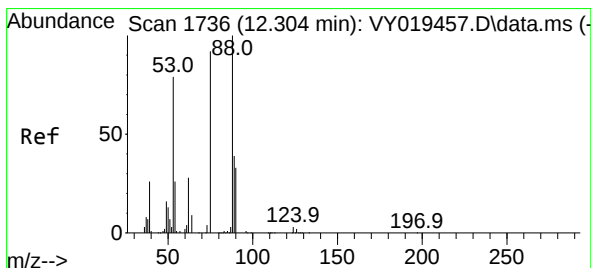
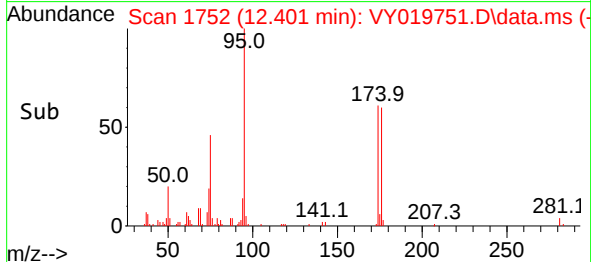
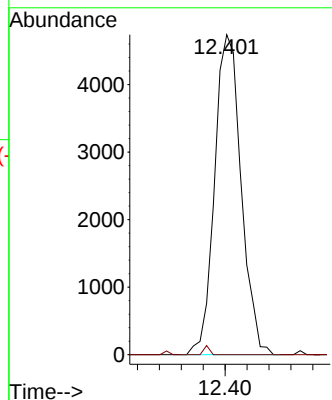
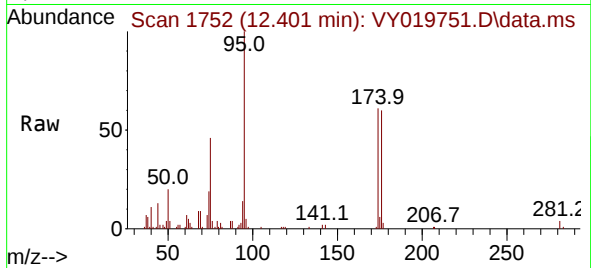




#76
1,2,3-Trichloropropane
Concen: 85.959 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY019751.D
Acq: 01 Oct 2024 19:08

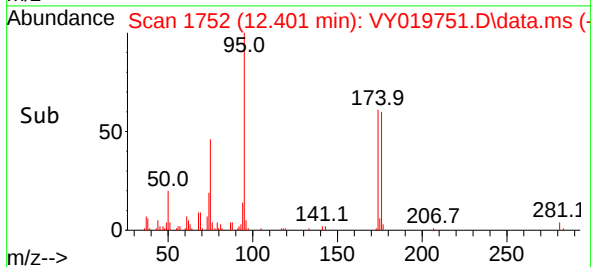
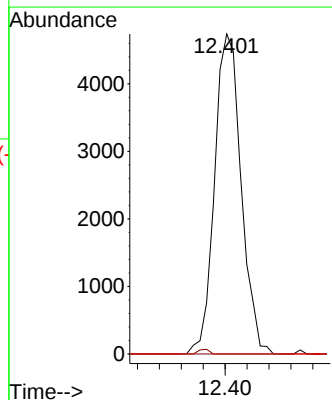
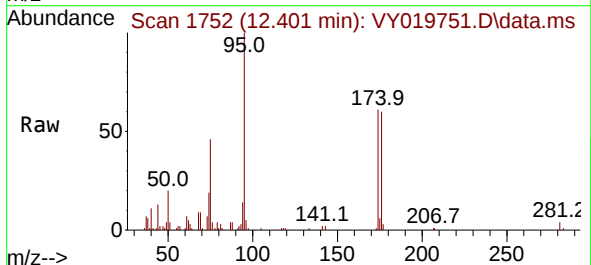
Instrument :
MSVOA_Y
ClientSampleId :

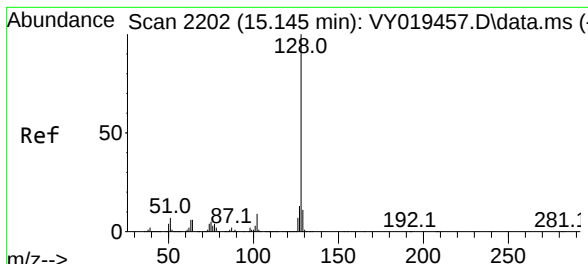
Tgt Ion: 75 Resp: 7961
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 165.017 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019751.D
Acq: 01 Oct 2024 19:08

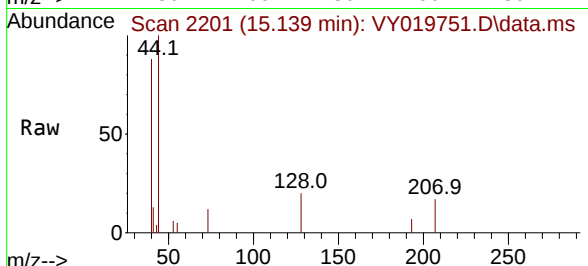
Tgt Ion: 75 Resp: 7961
Ion Ratio Lower Upper
75 100
53 0.6 66.8 100.2#
89 0.0 35.8 53.6#





#95
 Naphthalene
 Concen: 1.254 ug/l
 RT: 15.139 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY019751.D
 Acq: 01 Oct 2024 19:08

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	421
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#

