

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
 Data File : VY000306.D
 Acq On : 14 Oct 2019 17:55
 Operator : SY/MD
 Sample : K5355-06
 Misc : 6.56g/5.00ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 15 01:16:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	221056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	429646	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	358290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	127012	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	146825	62.97	ug/l	0.00
Spiked Amount			Recovery	=	125.94%	
35) Dibromofluoromethane	7.73	113	125921	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
50) Toluene-d8	10.18	98	497588	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.48	95	147622	38.98	ug/l	0.00
Spiked Amount			Recovery	=	77.96%	

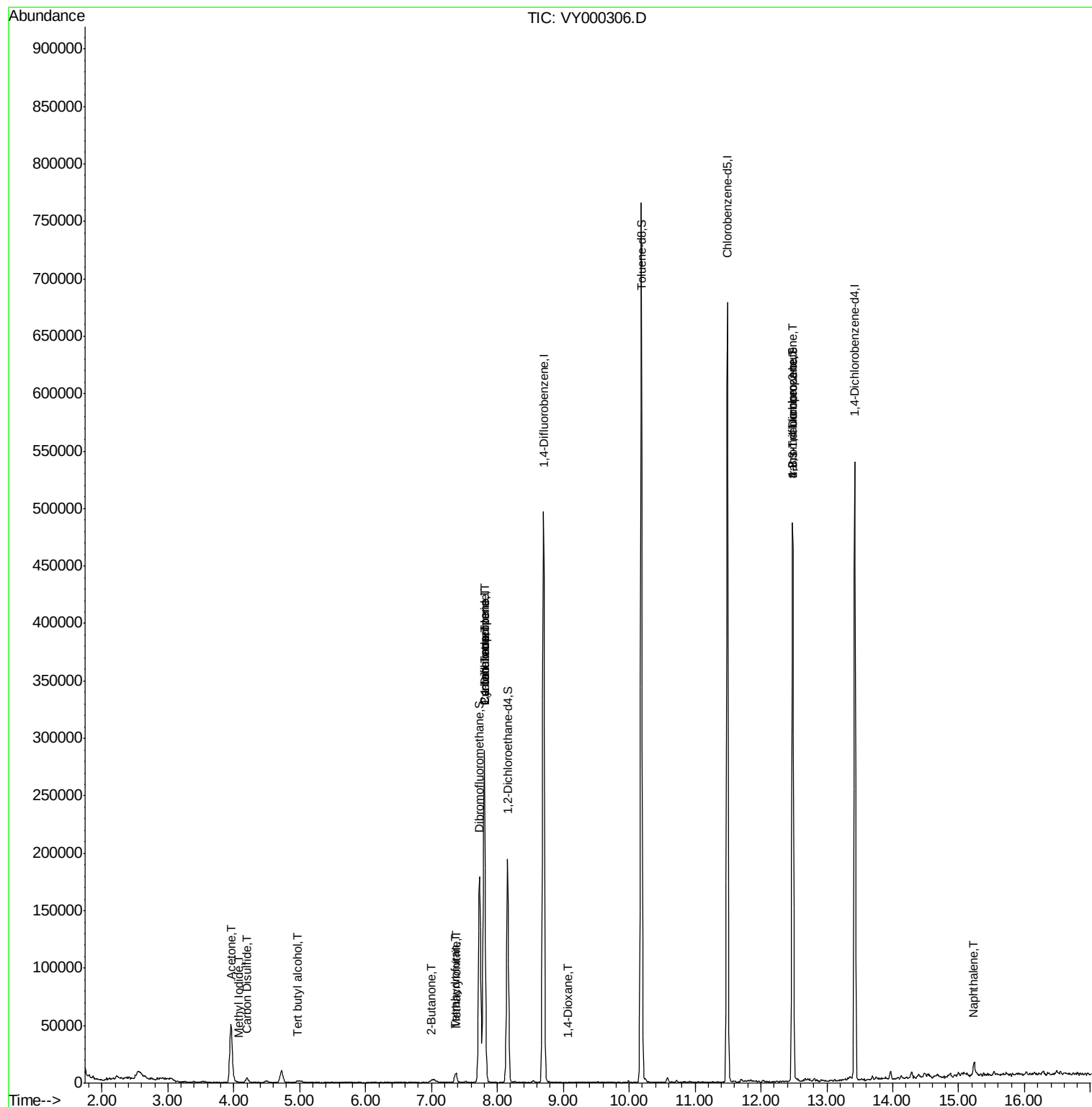
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	65	Below Cal	#	41
10) Methyl Iodide	4.08	142	35	1.197	ug/l #	1
11) Tert butyl alcohol	4.96	59	1286	5.270	ug/l #	85
16) Acetone	3.96	43	85594	113.349	ug/l	98
17) Carbon Disulfide	4.20	76	7198	1.024	ug/l	97
20) Methylene Chloride	4.72	84	7687	Below Cal		85
25) 2-Butanone	7.00	43	1444	1.357	ug/l #	78
29) Tetrahydrofuran	7.36	42	6425	9.966	ug/l	97
31) Cyclohexane	7.80	56	5253	1.177	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	17947	4.266	ug/l #	48
38) Carbon Tetrachloride	7.80	117	22253	5.464	ug/l #	19
41) Methacrylonitrile	7.38	41	3969	3.348	ug/l #	26
49) 1,4-Dioxane	9.07	88	62	2.480	ug/l #	50
76) 1,2,3-Trichloropropane	12.48	75	79538	50.927	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	79538	111.426	ug/l #	14
95) Naphthalene	15.23	128	7227	1.184	ug/l #	91

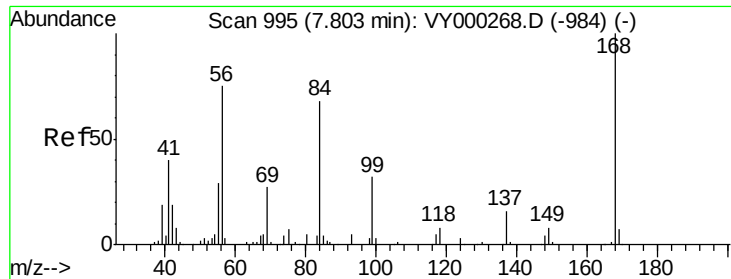
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000306.D

Acq: 14 Oct 2019 17:55

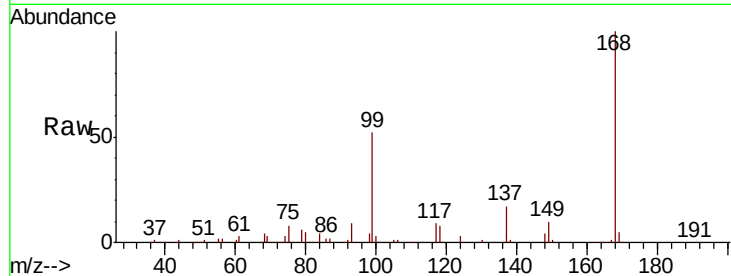
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 221056

Ion Ratio Lower Upper

168 100

99 51.6 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000268.D (-984) (-)

120000

100000

80000

60000

40000

20000

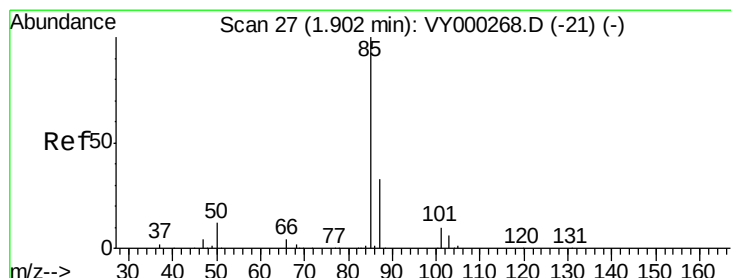
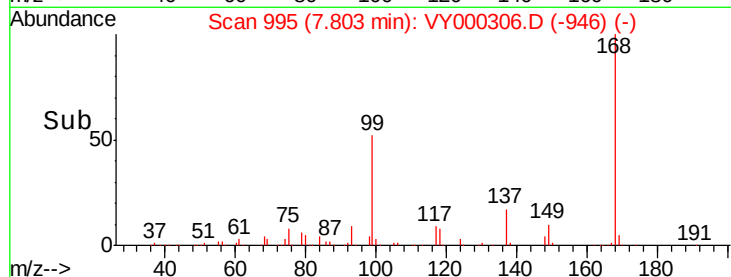
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000306.D

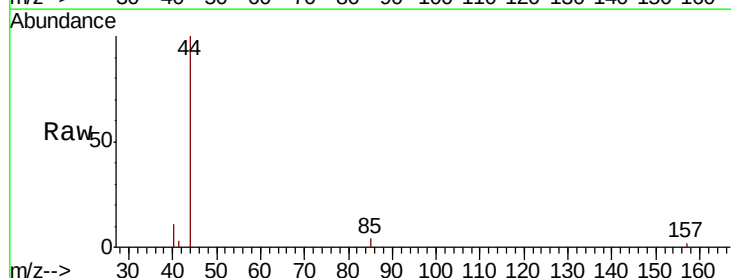
Acq: 14 Oct 2019 17:55

Tgt Ion: 85 Resp: 65

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000268.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY000268.D (-21) (-)

120

100

80

60

40

20

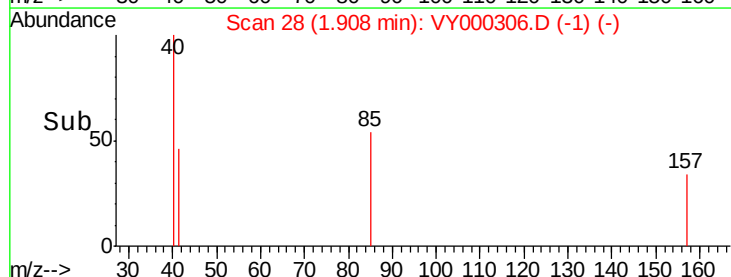
0

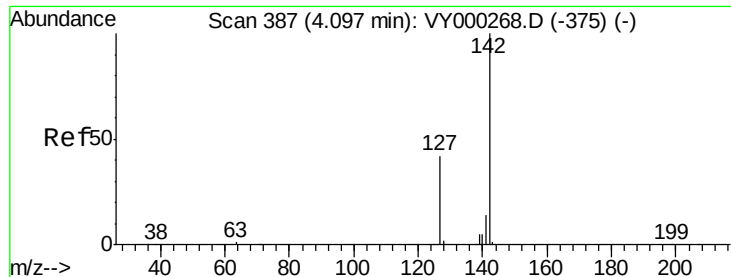
1.88

1.90

1.92

Time-->

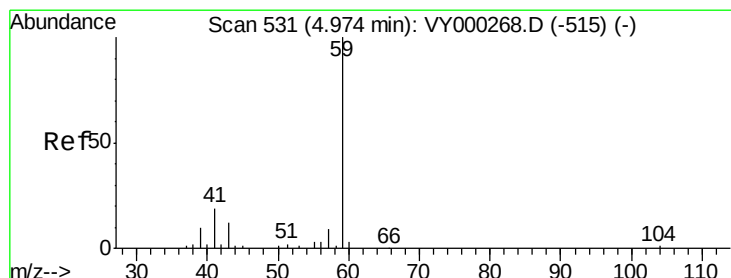
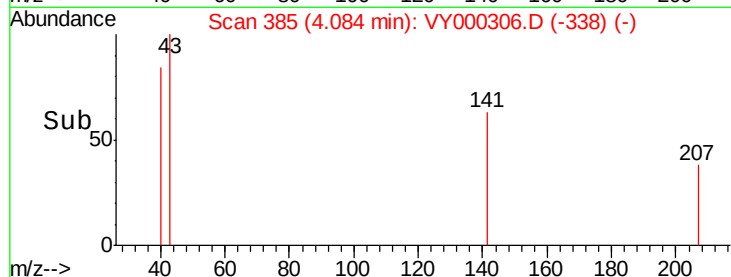
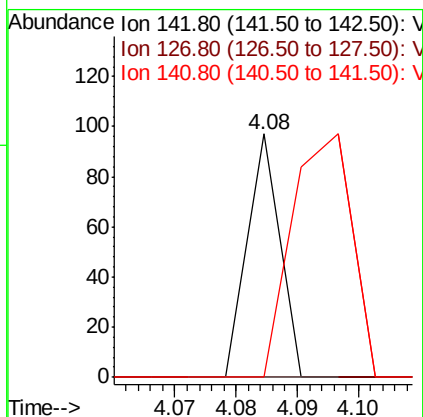
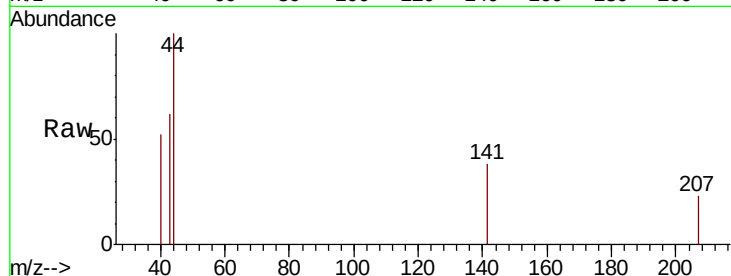




#10
Methyl Iodide
Concen: 1.197 ug/l
RT: 4.08 min Scan# 385
Delta R.T. -0.01 min
Lab File: VY000306.D
Acq: 14 Oct 2019 17:55

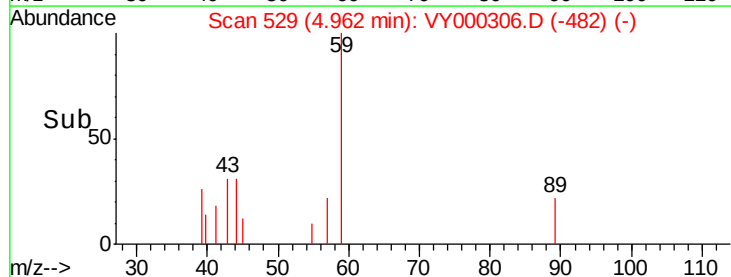
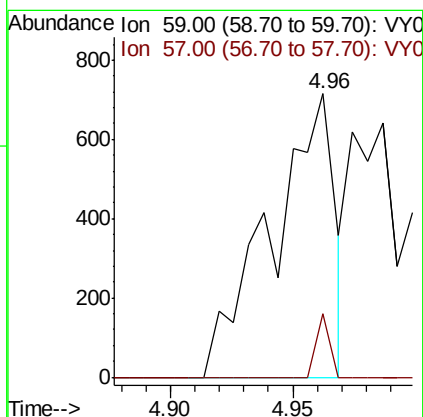
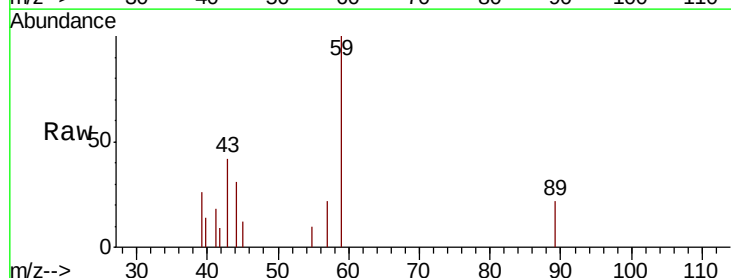
Instrument :
MSVOA_Y
ClientSampleId :

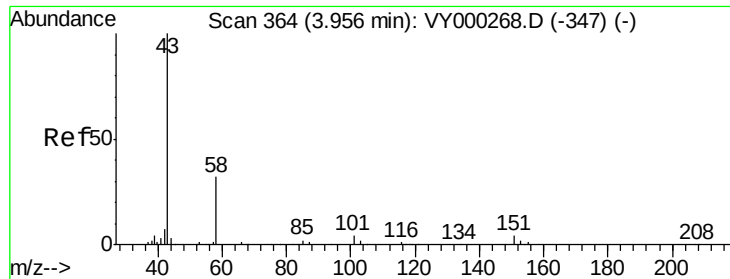
Tot Ion: 142 Resp: 35
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 188.6 11.2 16.8#



#11
Tert butyl alcohol
Concen: 5.270 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY000306.D
Acq: 14 Oct 2019 17:55

Tgt Ion: 59 Resp: 1286
Ion Ratio Lower Upper
59 100
57 4.6 8.2 12.2#





#16

Acetone

Concen: 113.349 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY000306.D

Acq: 14 Oct 2019 17:55

Instrument :

MSVOA_Y

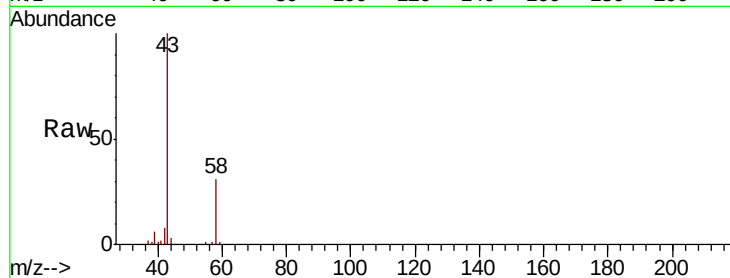
ClientSampleId :

Tot Ion: 43 Resp: 85594

Ion Ratio Lower Upper

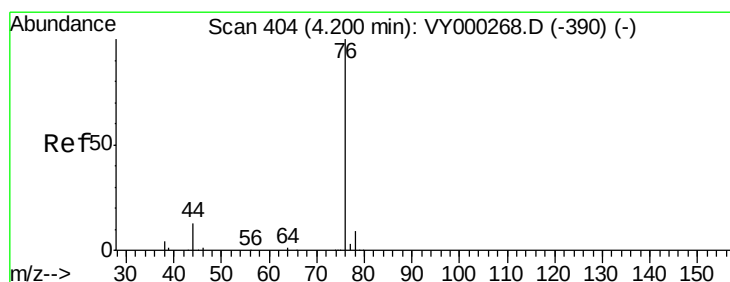
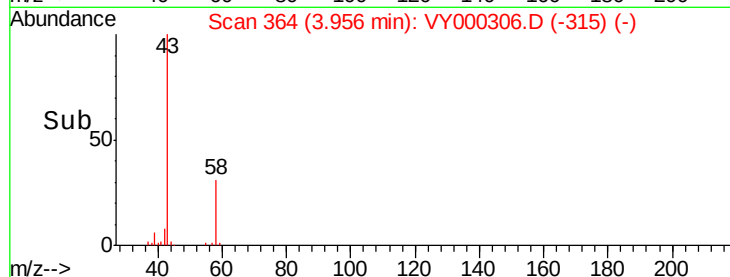
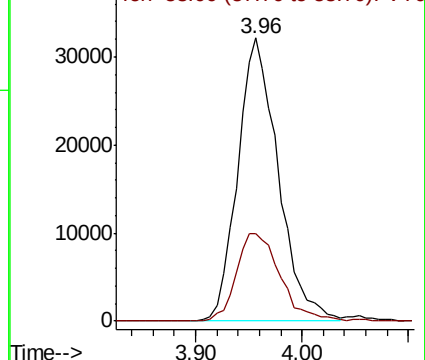
43 100

58 30.9 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#17

Carbon Disulfide

Concen: 1.024 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY000306.D

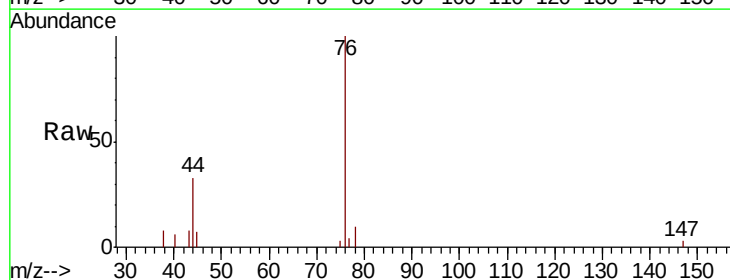
Acq: 14 Oct 2019 17:55

Tgt Ion: 76 Resp: 7198

Ion Ratio Lower Upper

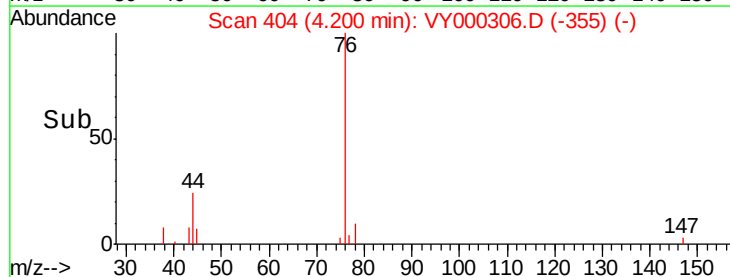
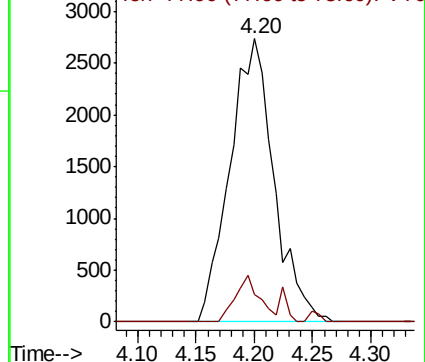
76 100

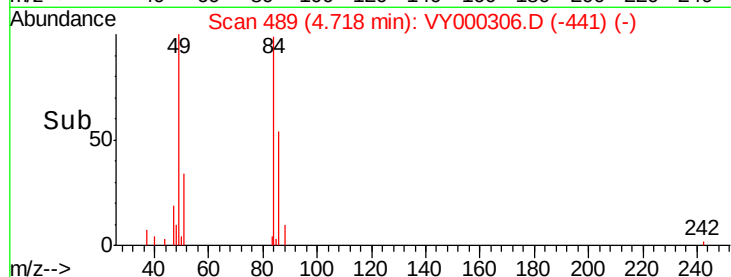
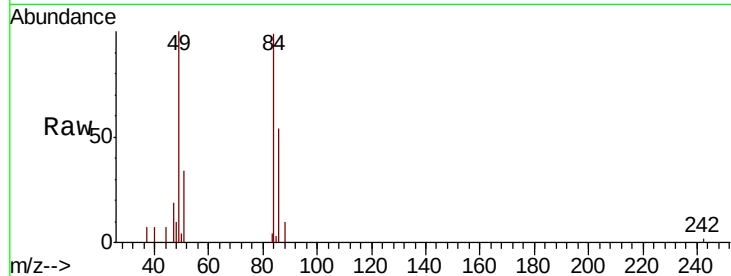
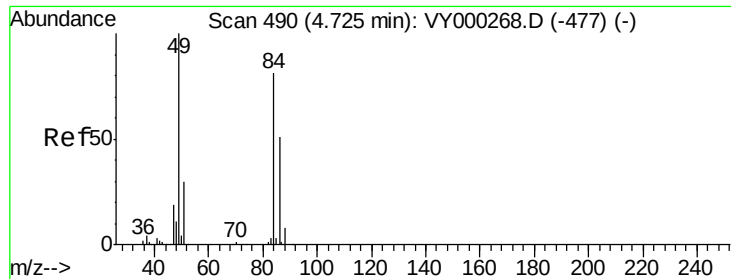
78 9.9 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VY0

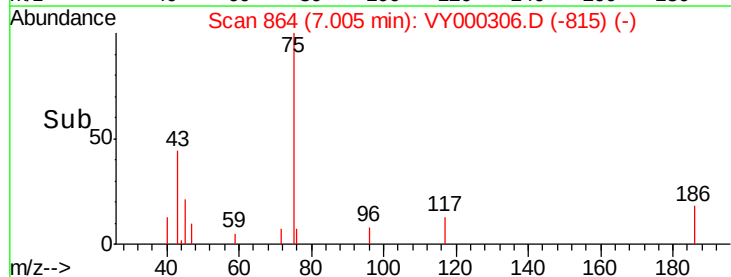
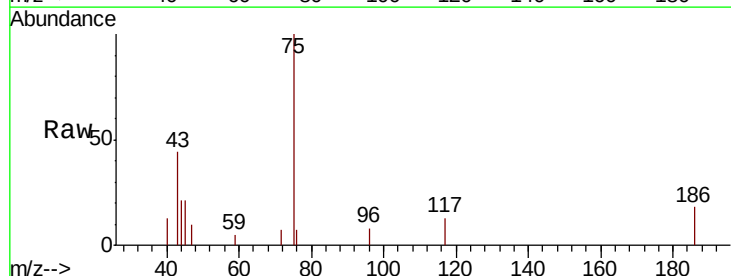
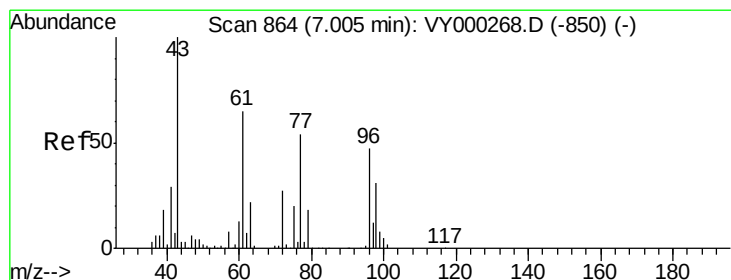
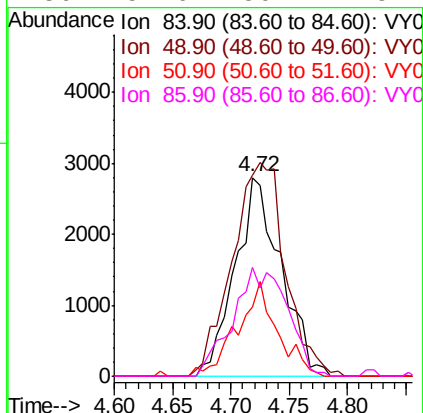
Ion 77.90 (77.60 to 78.60): VY0





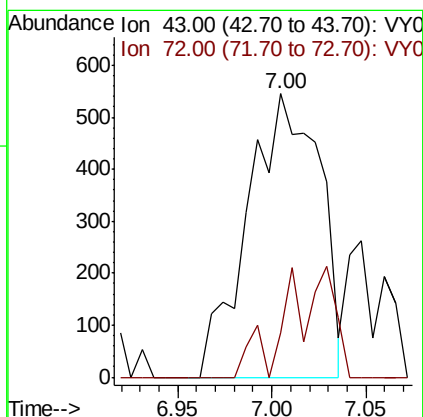
#20
Methylene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000306.D
Acq: 14 Oct 2019 17:55

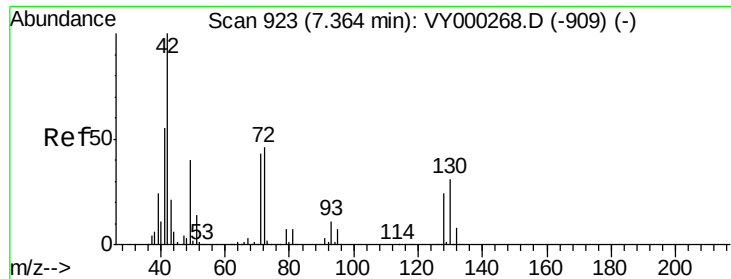
Tot Ion: 84	Resp: 7687
Ion Ratio	Lower Upper
84 100	
49 100.7	99.0 148.4
51 34.7	29.3 43.9
86 54.6	50.2 75.4



#25
2-Butanone
Concen: 1.357 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.00 min
Lab File: VY000306.D
Acq: 14 Oct 2019 17:55

Tgt Ion: 43	Resp: 1444
Ion Ratio	Lower Upper
43 100	
72 15.4	21.4 32.2#





#29

Tetrahydrofuran

Concen: 9.966 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.00 min

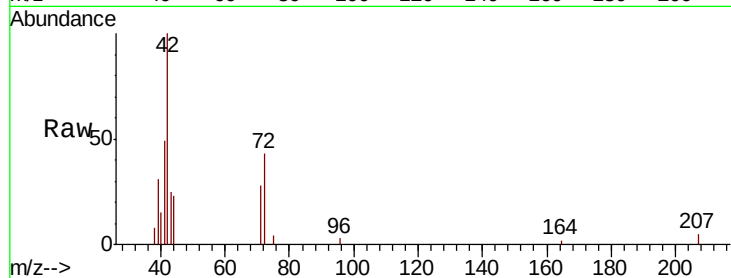
Lab File: VY000306.D

Acq: 14 Oct 2019 17:55

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 42 Resp: 6425

Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.5	51.7
71	36.7	32.7	49.1

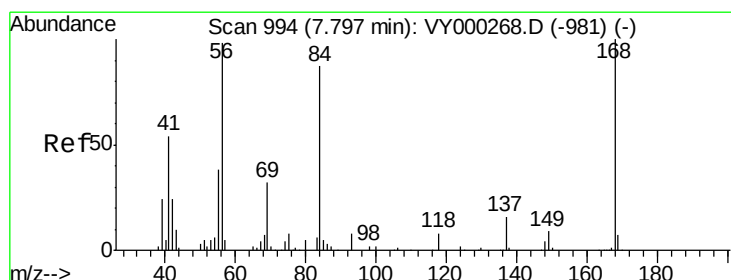
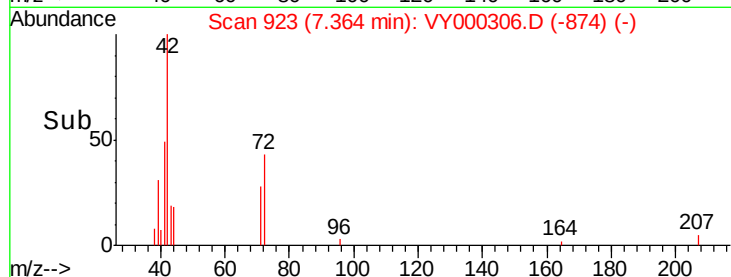
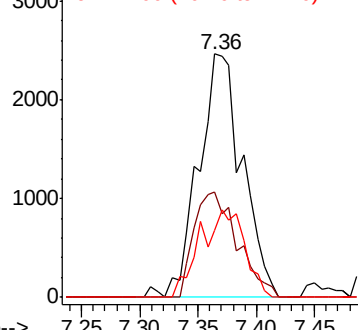


Abundance

Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#31

Cyclohexane

Concen: 1.177 ug/l

RT: 7.80 min Scan# 995

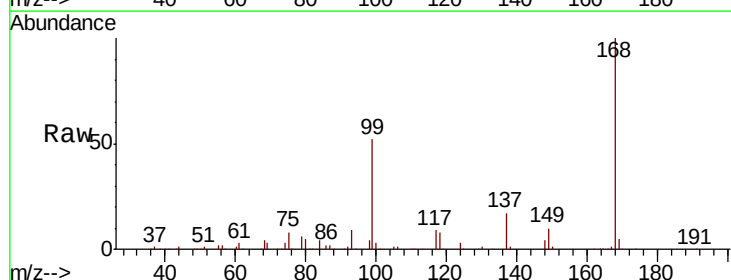
Delta R.T. 0.01 min

Lab File: VY000306.D

Acq: 14 Oct 2019 17:55

Tgt Ion: 56 Resp: 5253

Ion	Ratio	Lower	Upper
56	100		
69	143.8	26.3	39.5#
84	149.0	70.8	106.2#

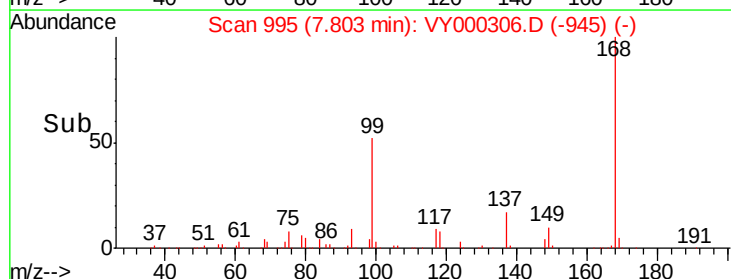
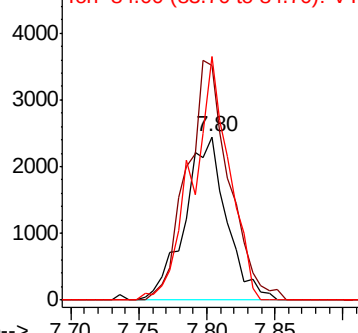


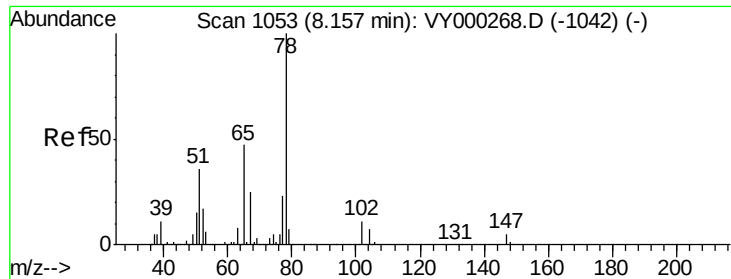
Abundance

Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

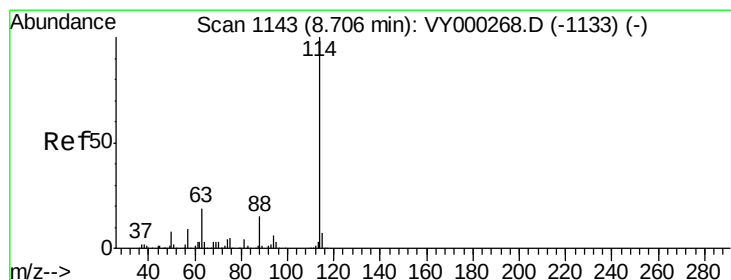
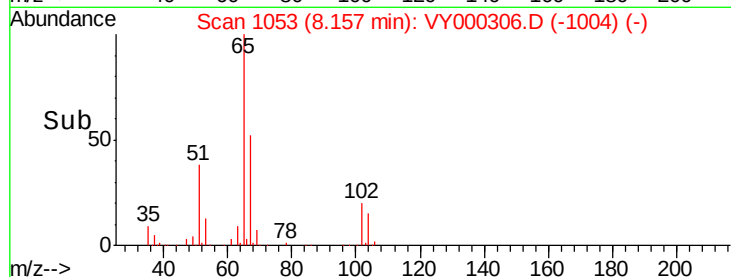
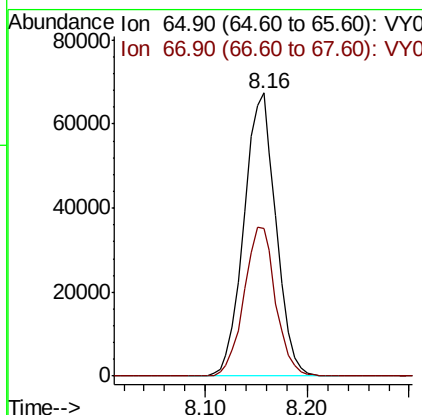
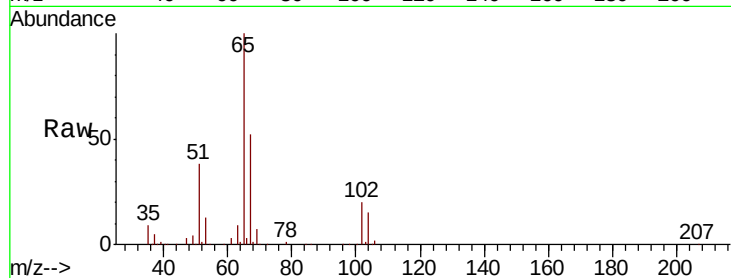




#33
 1,2-Dichloroethane-d4
 Concen: 62.967 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VY000306.D
 Acq: 14 Oct 2019 17:55

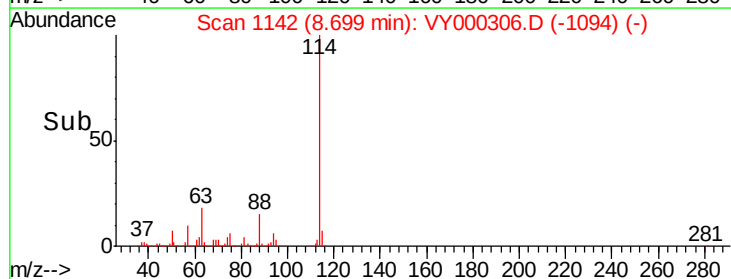
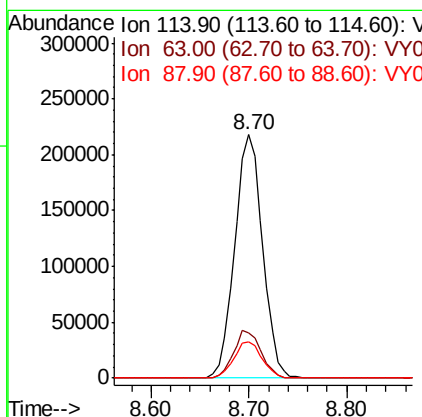
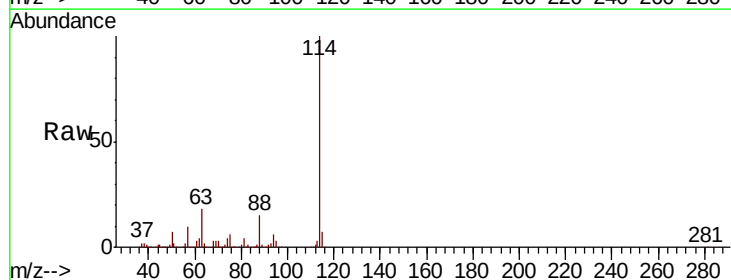
Instrument :
 MSVOA_Y
 ClientSampleId :

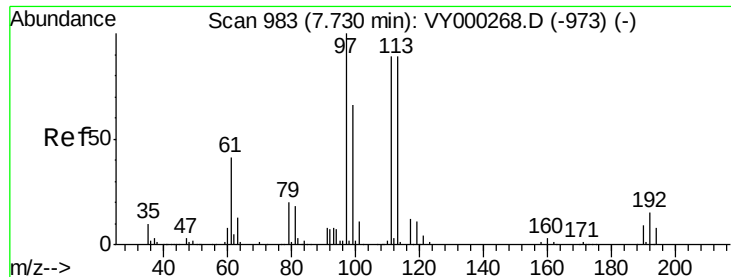
Tot Ion: 65 Resp: 146825
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000306.D
 Acq: 14 Oct 2019 17:55

Tgt Ion: 114 Resp: 429646
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 37.2
 88 14.7 0.0 30.2

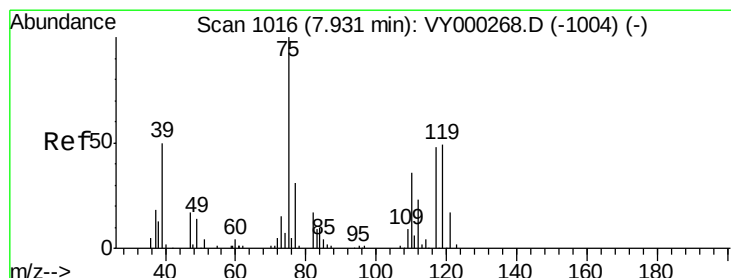
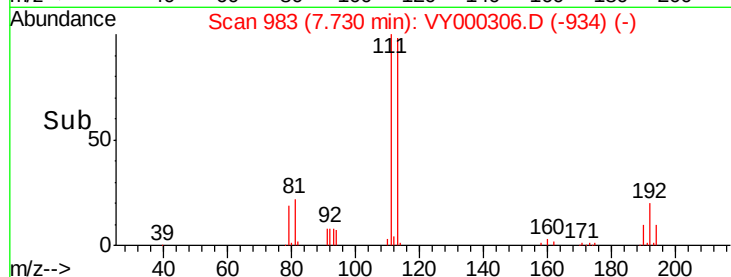
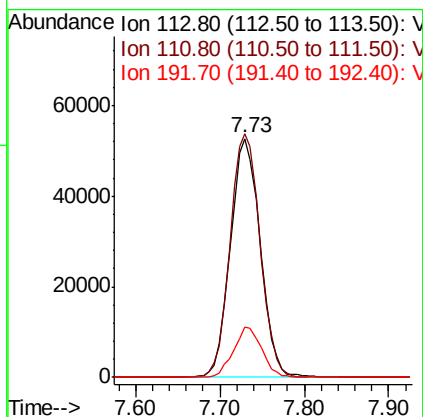
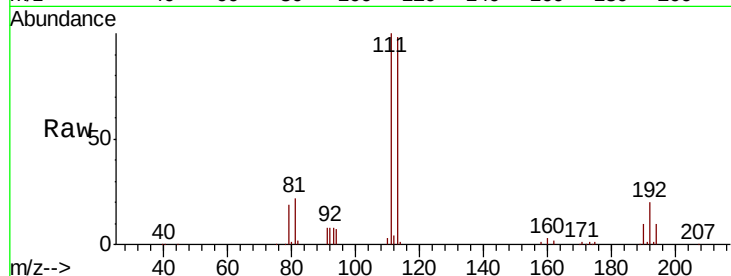




#35
 Dibromofluoromethane
 Concen: 48.587 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000306.D
 Acq: 14 Oct 2019 17:55

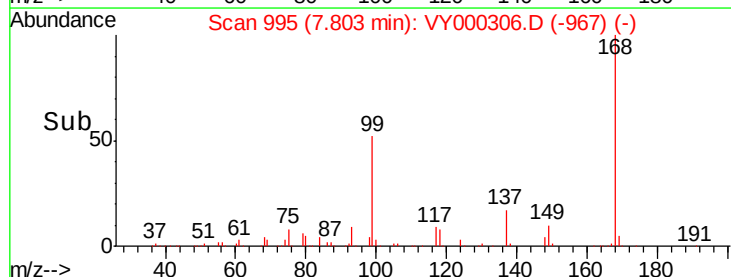
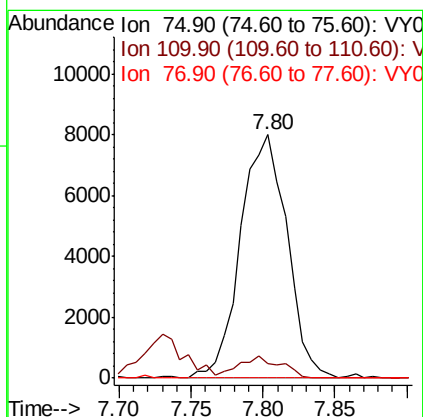
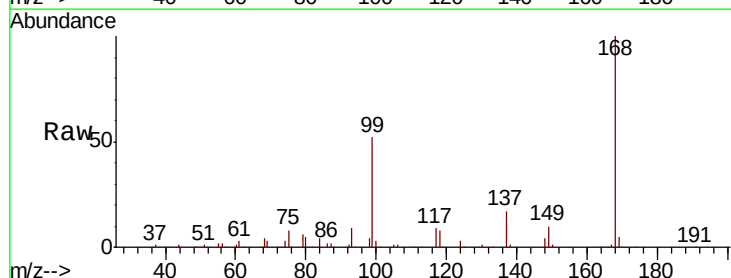
Instrument :
 MSVOA_Y
 ClientSampleId :

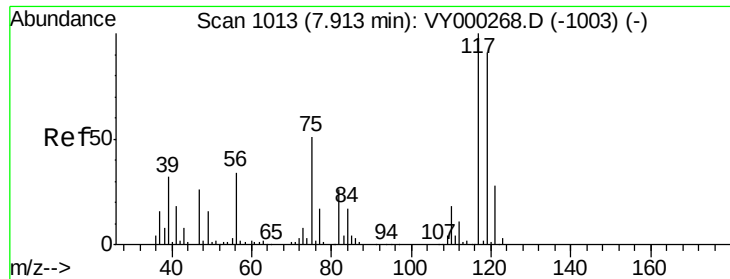
Tot Ion:113 Resp: 125921
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.6 122.4
 192 19.9 15.3 22.9



#36
 1,1-Dichloropropene
 Concen: 4.266 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000306.D
 Acq: 14 Oct 2019 17:55

Tgt Ion: 75 Resp: 17947
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.4 55.4#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.464 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000306.D

Acq: 14 Oct 2019 17:55

Instrument :

MSVOA_Y

ClientSampleId :

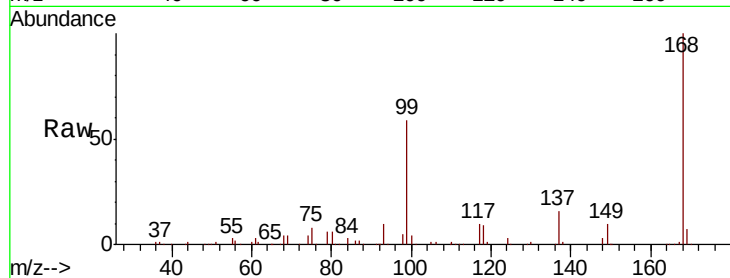
Tot Ion:117 Resp: 22253

Ion Ratio Lower Upper

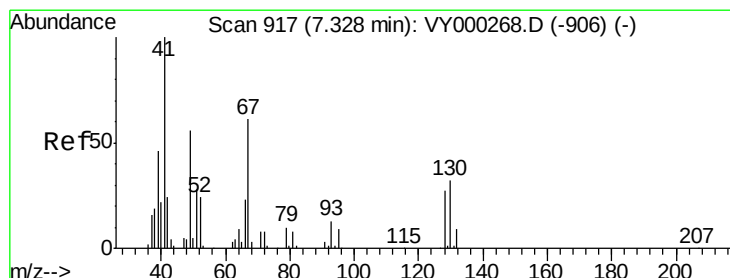
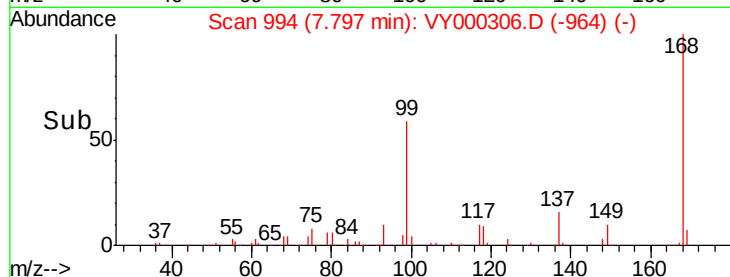
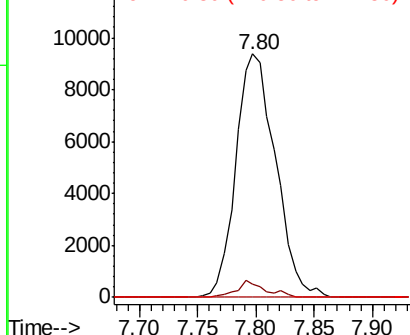
117 100

119 5.6 72.8 109.2#

121 0.0 22.2 33.2#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 3.348 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.05 min

Lab File: VY000306.D

Acq: 14 Oct 2019 17:55

Tgt Ion: 41 Resp: 3969

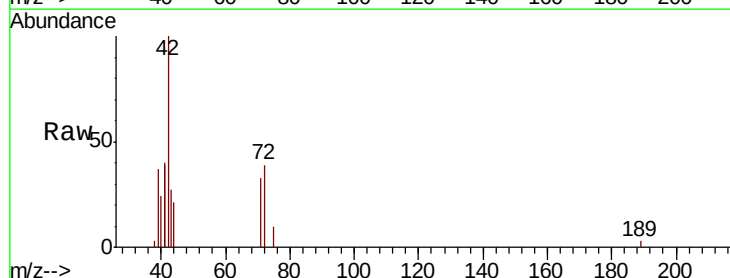
Ion Ratio Lower Upper

41 100

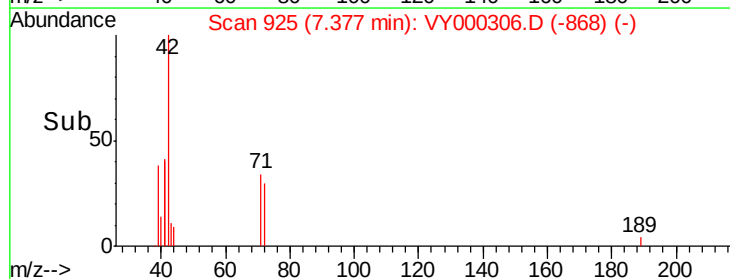
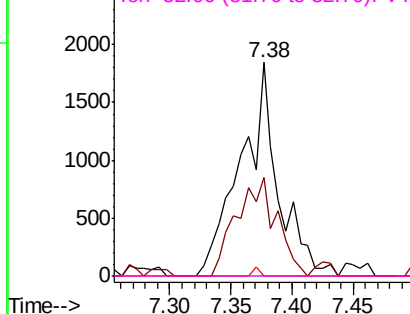
39 49.1 110.2 165.2#

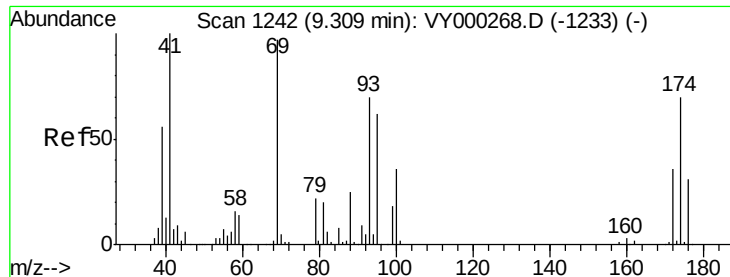
67 0.7 0.0 0.0#

52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0





#49

1,4-Dioxane

Concen: 2.480 ug/l

RT: 9.07 min Scan# 1202

Delta R.T. -0.24 min

Lab File: VY000306.D

Acq: 14 Oct 2019 17:55

Instrument :
MSVOA_Y
ClientSampled :

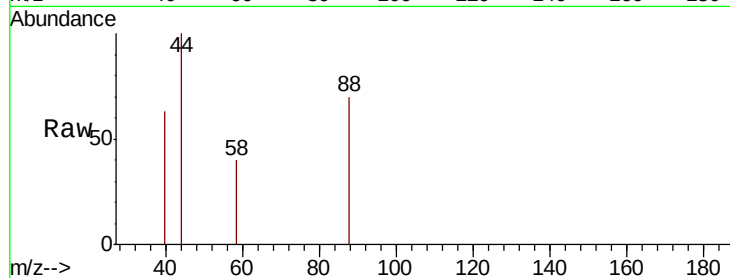
Tot Ion: 88 Resp: 62

Ion Ratio Lower Upper

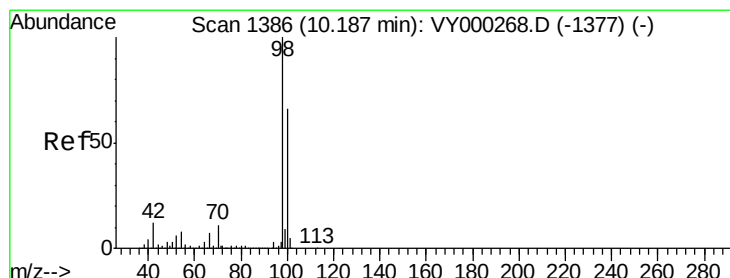
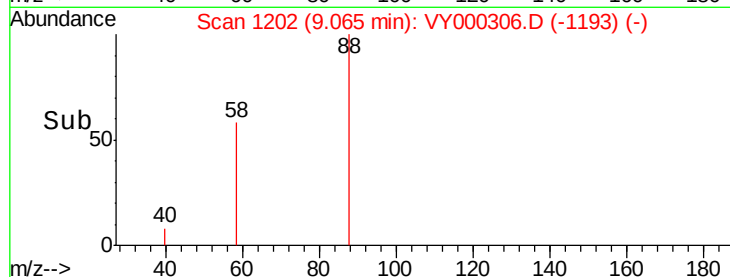
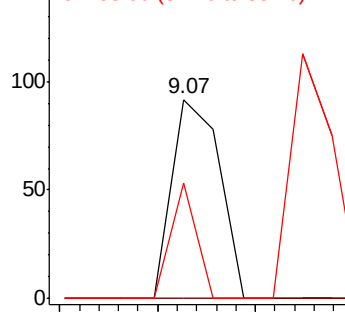
88 100

43 0.0 25.6 38.4#

58 30.6 54.6 81.8#



Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 49.911 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000306.D

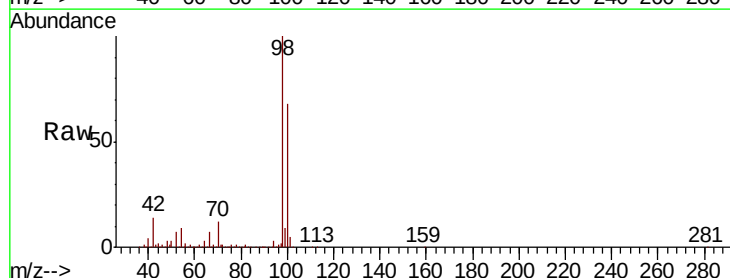
Acq: 14 Oct 2019 17:55

Tgt Ion: 98 Resp: 497588

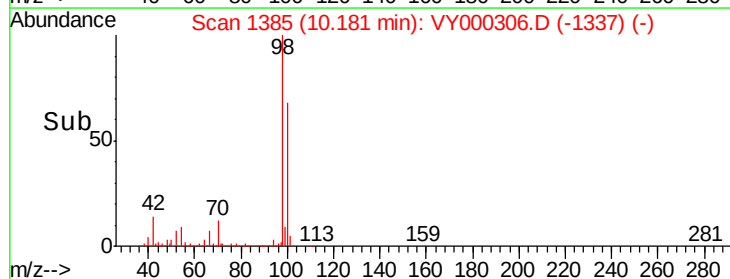
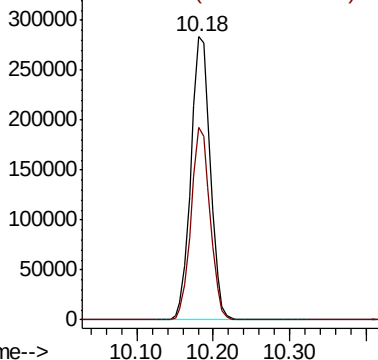
Ion Ratio Lower Upper

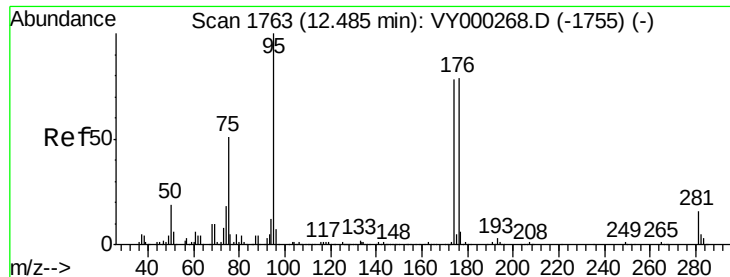
98 100

100 66.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

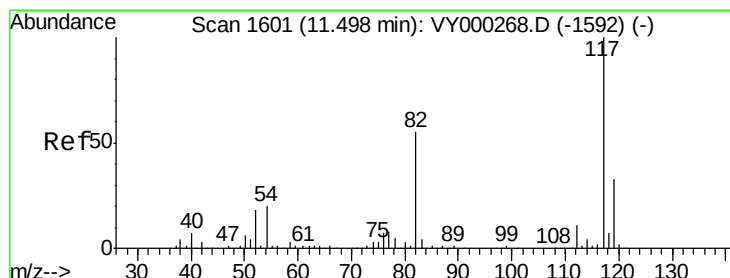
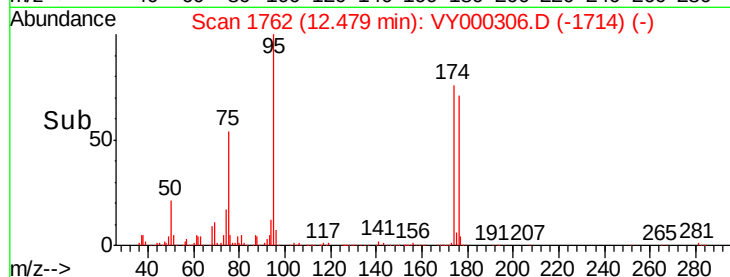
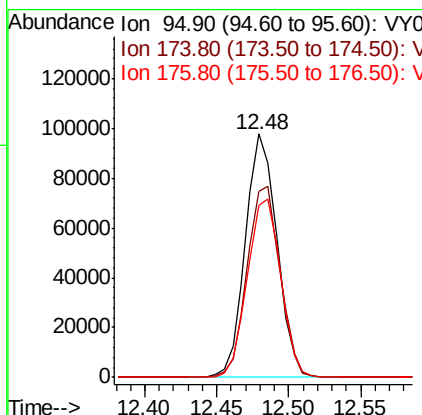
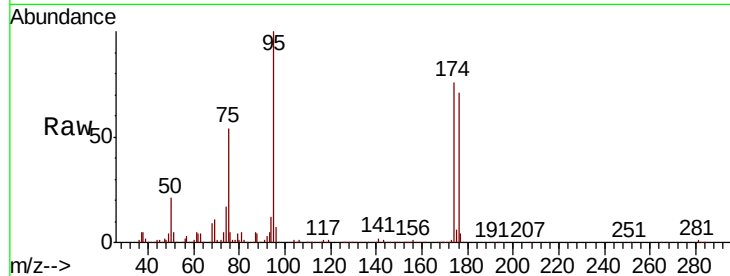




#62
4-Bromofluorobenzene
Concen: 38.976 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000306.D
Acq: 14 Oct 2019 17:55

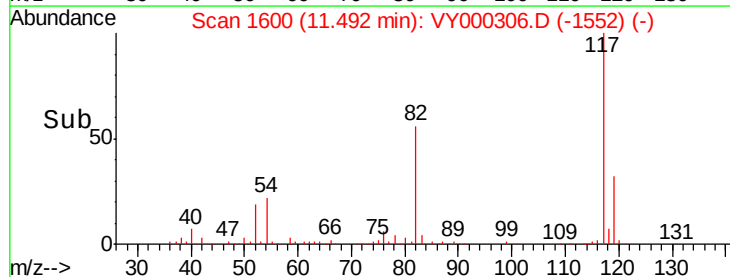
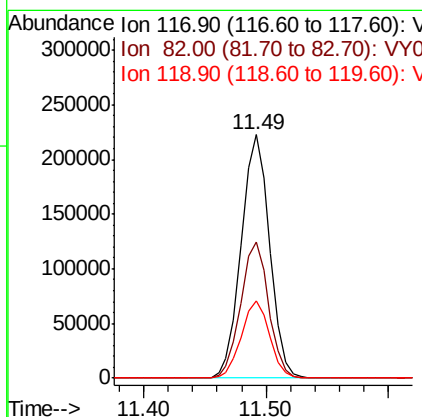
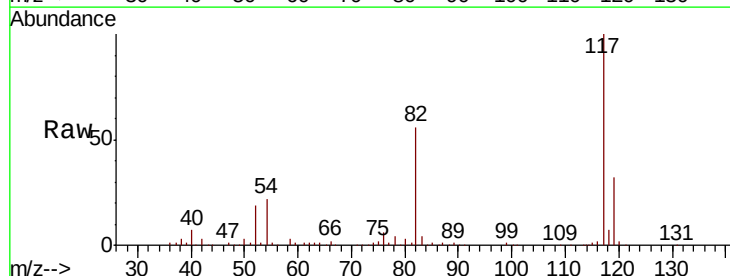
Instrument :
MSVOA_Y
ClientSampleId :

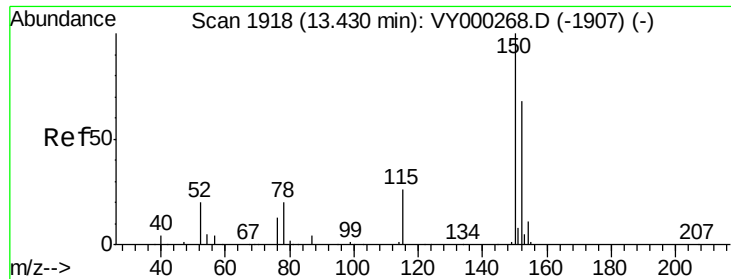
Tot Ion: 95 Resp: 147622
Ion Ratio Lower Upper
95 100
174 81.9 0.0 159.6
176 77.5 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000306.D
Acq: 14 Oct 2019 17:55

Tgt Ion: 117 Resp: 358290
Ion Ratio Lower Upper
117 100
82 56.1 43.7 65.5
119 31.5 26.6 39.8



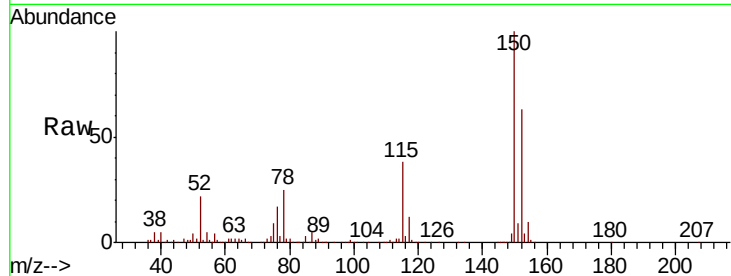


#72

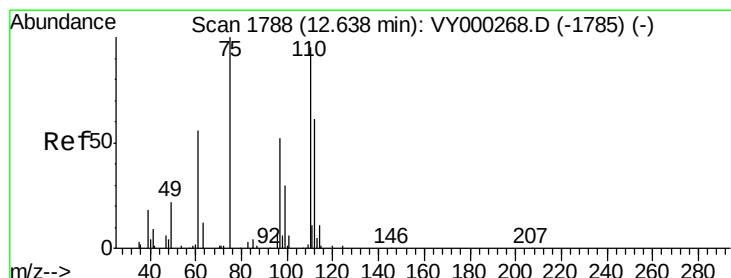
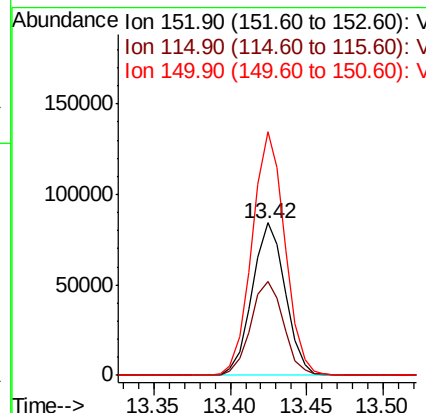
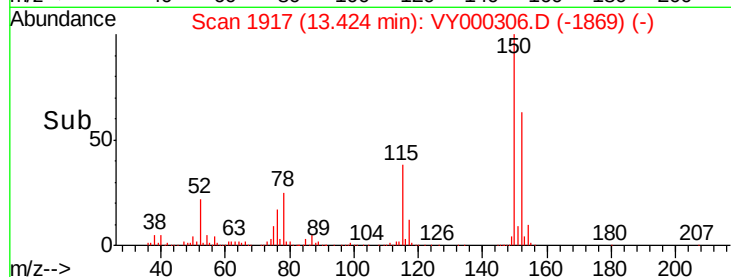
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000306.D
Acq: 14 Oct 2019 17:55

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.3	29.3	88.0
150	158.1	0.0	348.4



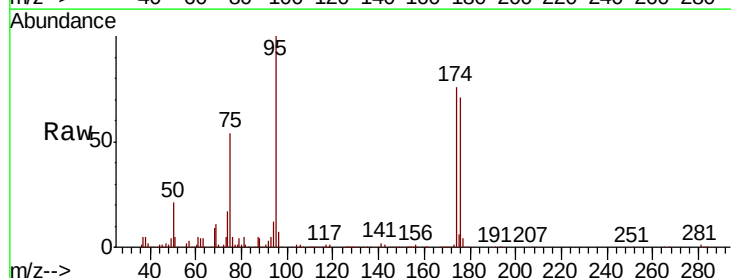
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



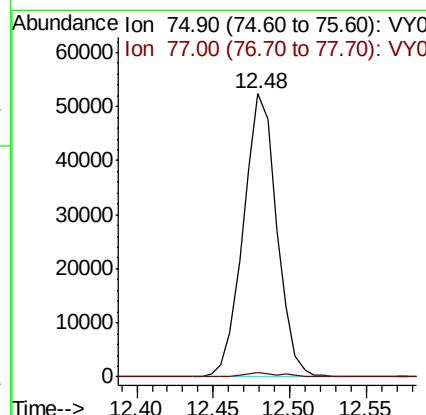
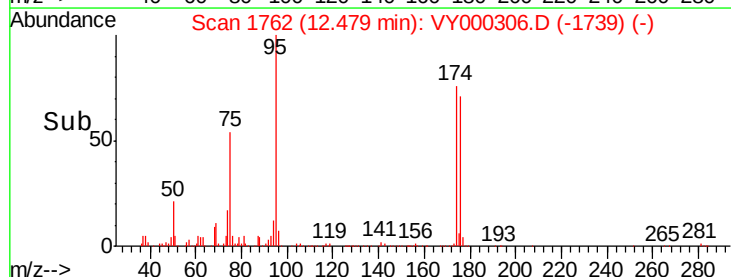
#76

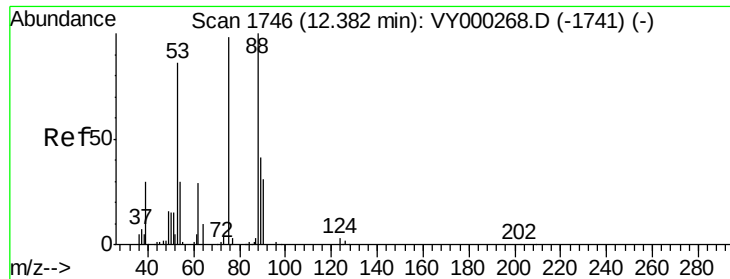
1,2,3-Trichloropropane
Concen: 50.927 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000306.D
Acq: 14 Oct 2019 17:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.8	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0

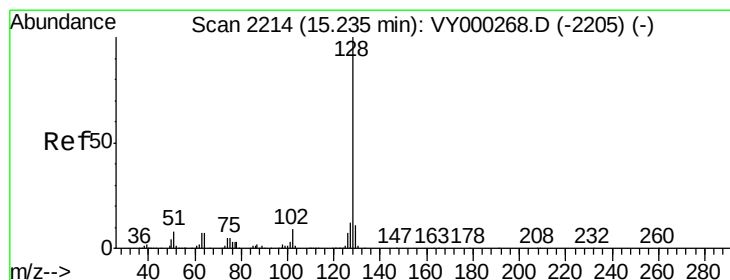
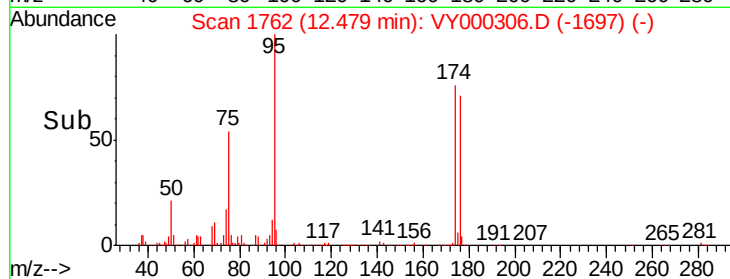
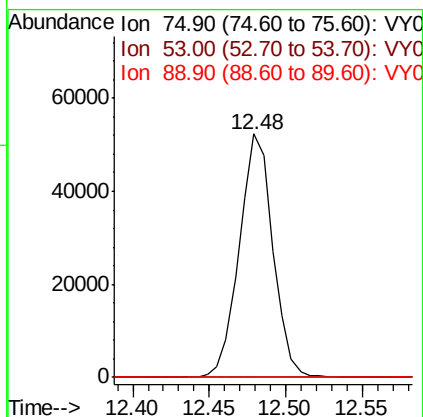
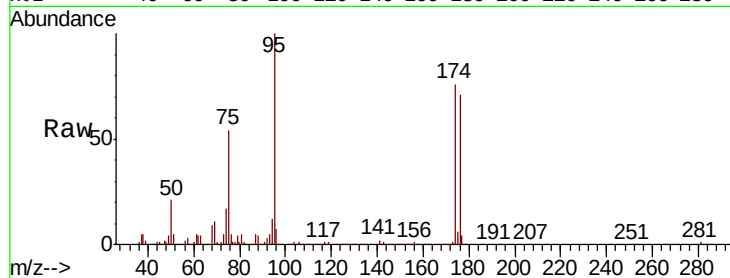




#81
trans-1,4-Dichloro-2-butene
Concen: 111.426 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000306.D
Acq: 14 Oct 2019 17:55

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 75 Resp: 79538
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.1 35.1 52.7#



#95
Naphthalene
Concen: 1.184 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000306.D
Acq: 14 Oct 2019 17:55

Tgt Ion: 128 Resp: 7227
Ion Ratio Lower Upper
128 100
127 13.1 9.6 14.4
129 17.0 8.7 13.1#

