

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102519\
 Data File : VY000426.D
 Acq On : 25 Oct 2019 14:10
 Operator : SY/MD
 Sample : K5545-02
 Misc : 5.02G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 26 01:44:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	5058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	10737	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	10436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	5517	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	4420	82.84	ug/l	0.00
Spiked Amount			Recovery	=	165.68%	
35) Dibromofluoromethane	7.73	113	1867	28.83	ug/l	0.00
Spiked Amount			Recovery	=	57.66%	
50) Toluene-d8	10.19	98	11756	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
62) 4-Bromofluorobenzene	12.49	95	4206	44.44	ug/l	0.00
Spiked Amount			Recovery	=	88.88%	

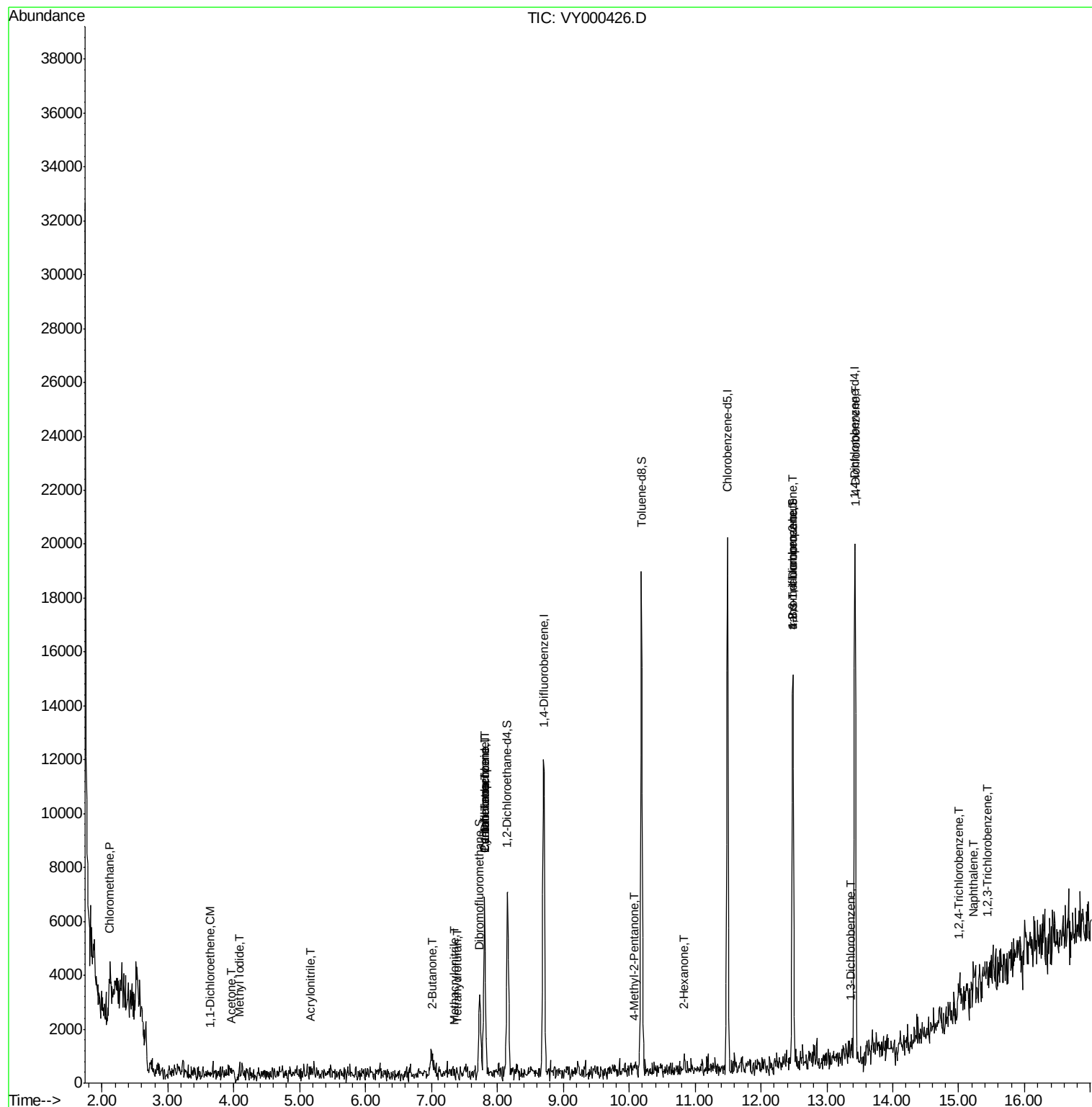
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	531	8.591	ug/l #	60
10) Methyl Iodide	4.09	142	53	1.888	ug/l #	41
12) 1,1-Dichloroethene	3.64	96	57	1.116	ug/l #	1
15) Acrylonitrile	5.16	53	78	4.623	ug/l #	19
16) Acetone	3.96	43	454	26.276	ug/l #	42
20) Methylene Chloride	4.74	84	278	Below Cal	#	6
25) 2-Butanone	7.02	43	80	3.287	ug/l #	48
29) Tetrahydrofuran	7.39	42	36	2.441	ug/l #	34
31) Cyclohexane	7.80	56	117	1.146	ug/l #	5
36) 1,1-Dichloropropene	7.80	75	380	3.615	ug/l #	40
38) Carbon Tetrachloride	7.80	117	641	6.298	ug/l #	14
41) Methacrylonitrile	7.36	41	60	2.025	ug/l #	27
51) 4-Methyl-2-Pentanone	10.08	43	198	3.244	ug/l #	36
59) 2-Hexanone	10.84	43	272	6.348	ug/l #	40
76) 1,2,3-Trichloropropane	12.49	75	2678	39.475	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	2678	86.370	ug/l #	14
87) 1,3-Dichlorobenzene	13.37	146	193	1.023	ug/l #	46
88) 1,4-Dichlorobenzene	13.44	146	263	1.395	ug/l #	63
93) 1,2,4-Trichlorobenzene	15.00	180	130	1.094	ug/l #	26
95) Naphthalene	15.23	128	584	2.202	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.43	180	179	1.671	ug/l #	47

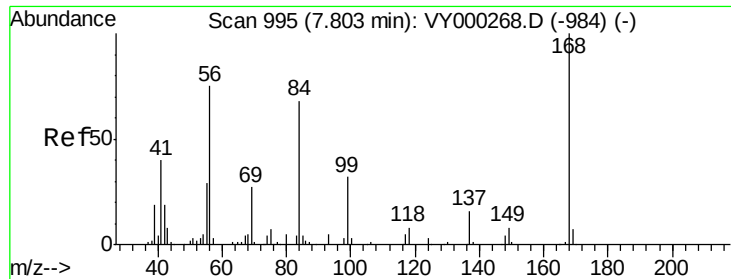
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY000426.D

Acq: 25 Oct 2019 14:10

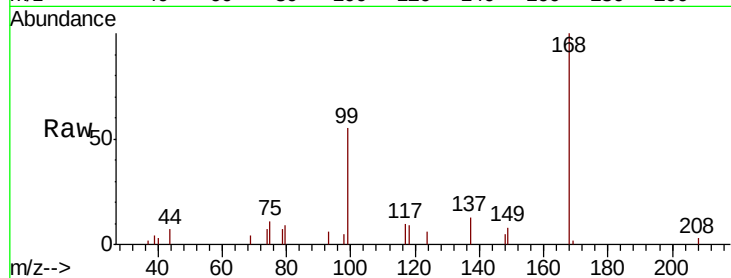
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 5058

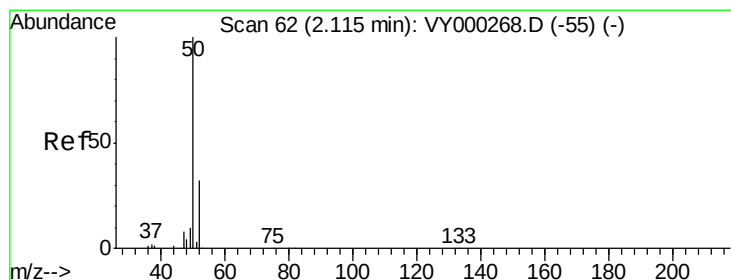
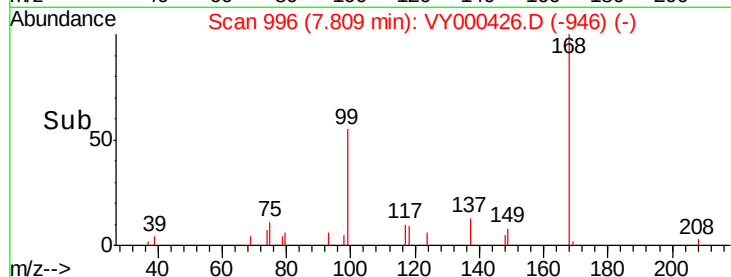
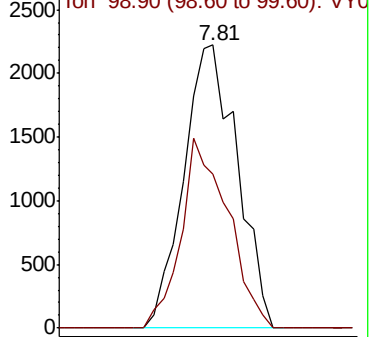
Ion Ratio Lower Upper

168 100

99 54.6 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000426.D (-984) (-)



#3

Chloromethane

Concen: 8.591 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000426.D

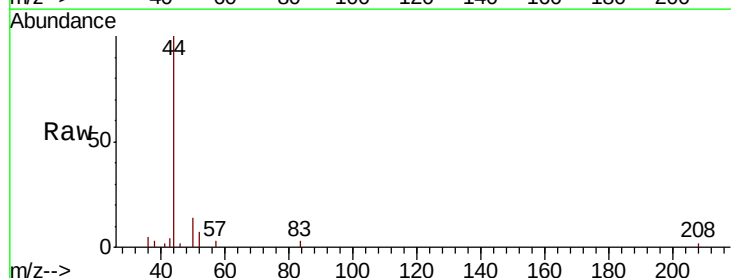
Acq: 25 Oct 2019 14:10

Tgt Ion: 50 Resp: 531

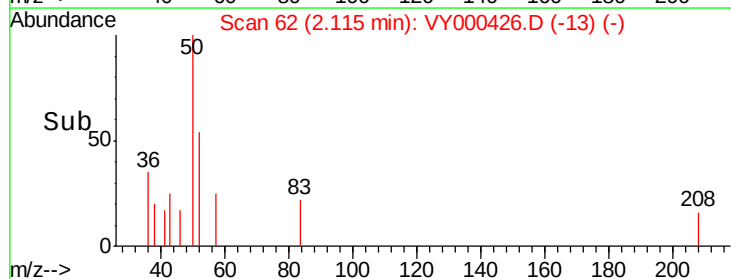
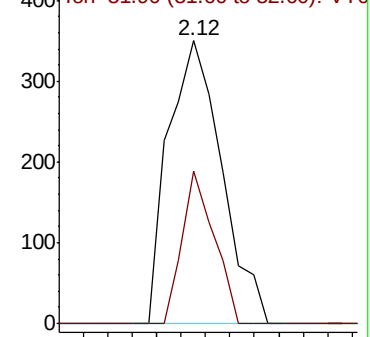
Ion Ratio Lower Upper

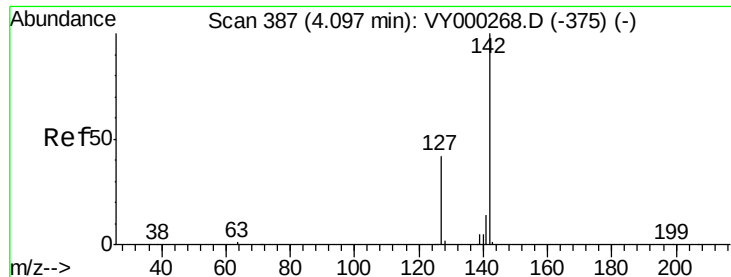
50 100

52 53.7 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VY000426.D (-55) (-)





#10

Methyl Iodide

Concen: 1.888 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000426.D

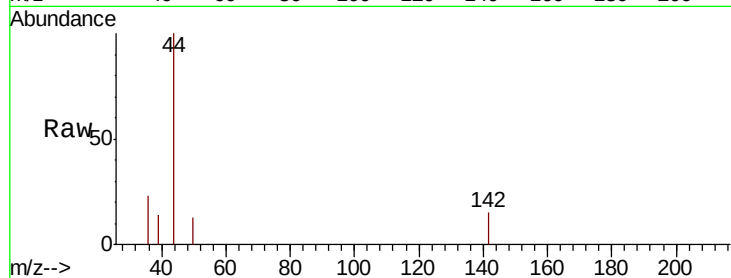
Acq: 25 Oct 2019 14:10

Instrument :

MSVOA_Y

ClientSampleId :

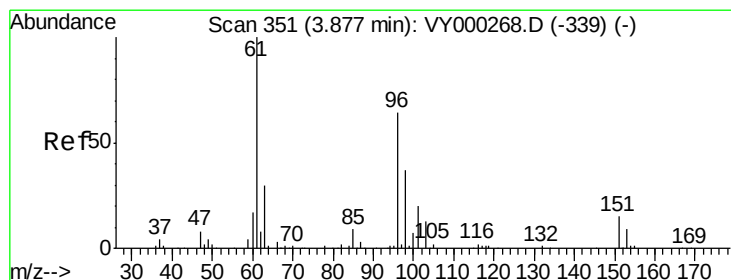
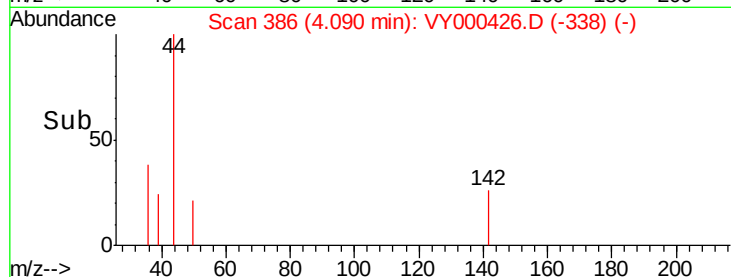
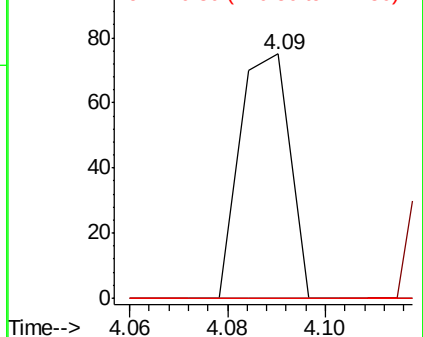
Tot Ion:	142	Resp:	53
Ion	Ratio	Lower	Upper
142	100		
127	0.0	33.9	50.9#
141	0.0	11.2	16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#12

1,1-Dichloroethene

Concen: 1.116 ug/l

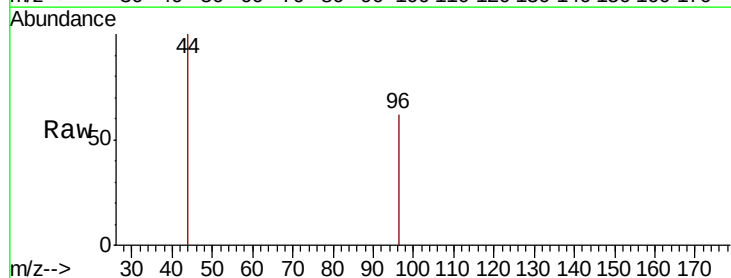
RT: 3.64 min Scan# 312

Delta R.T. -0.24 min

Lab File: VY000426.D

Acq: 25 Oct 2019 14:10

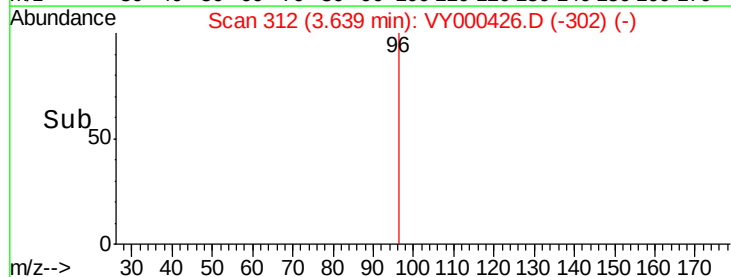
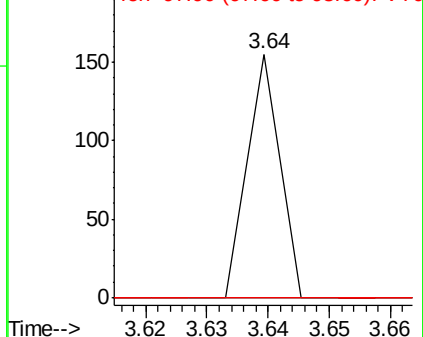
Tgt Ion:	96	Resp:	57
Ion	Ratio	Lower	Upper
96	100		
61	0.0	125.8	188.6#
98	0.0	46.2	69.2#

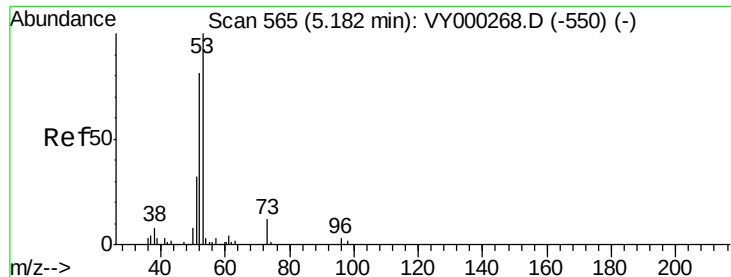


Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#15

Acrylonitrile

Concen: 4.623 ug/l

RT: 5.16 min Scan# 562

Delta R.T. -0.02 min

Lab File: VY000426.D

Acq: 25 Oct 2019 14:10

Instrument :

MSVOA_Y

ClientSampleId :

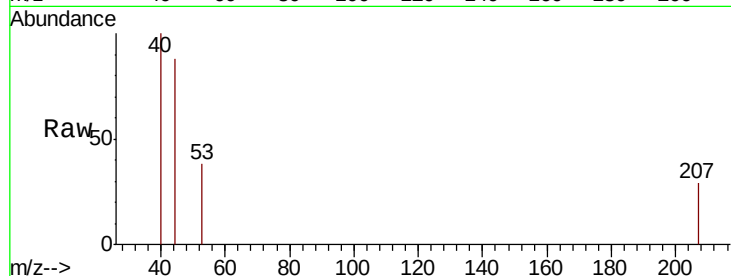
Tot Ion: 53 Resp: 78

Ion Ratio Lower Upper

53 100

52 0.0 62.9 94.3#

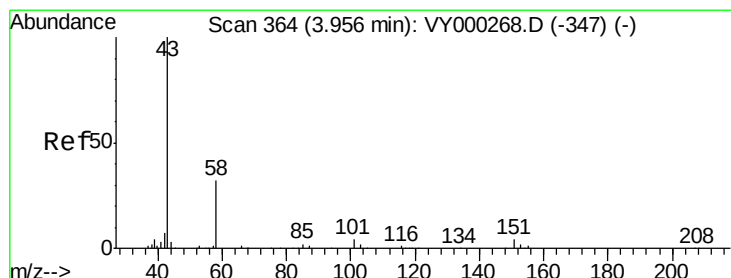
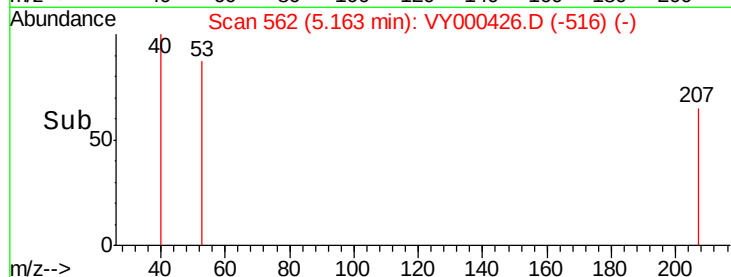
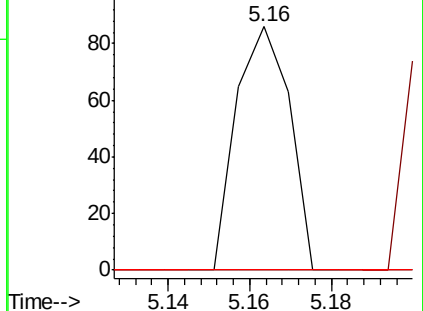
51 0.0 26.9 40.3#



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 26.276 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000426.D

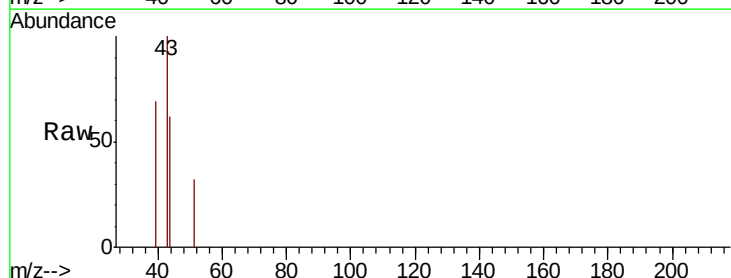
Acq: 25 Oct 2019 14:10

Tgt Ion: 43 Resp: 454

Ion Ratio Lower Upper

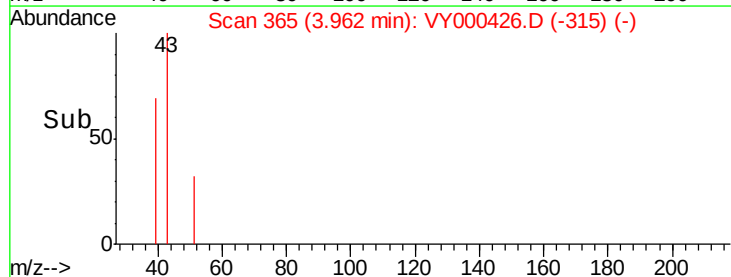
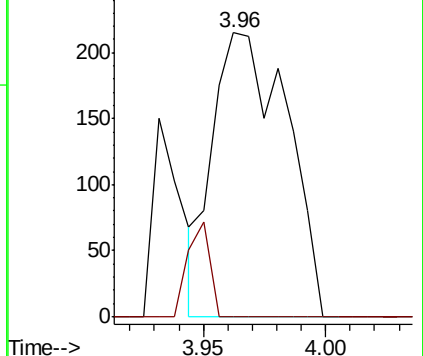
43 100

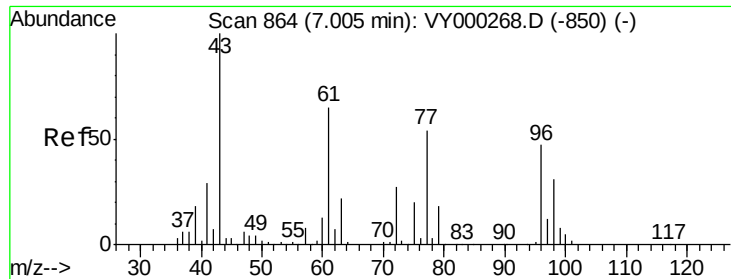
58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

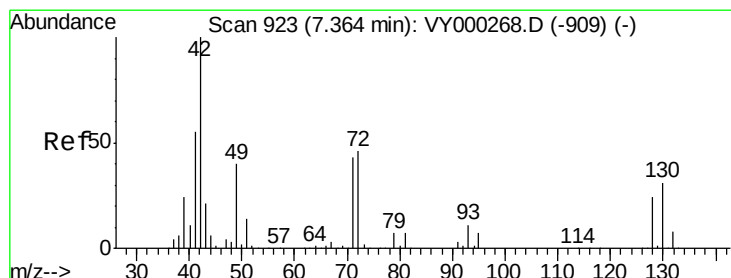
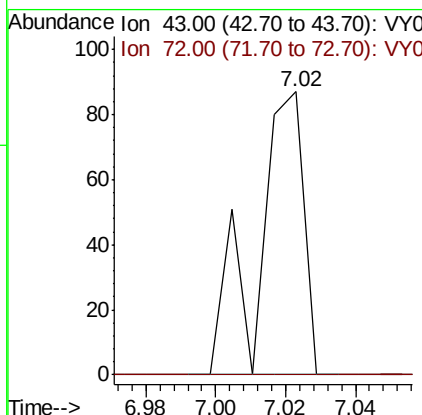
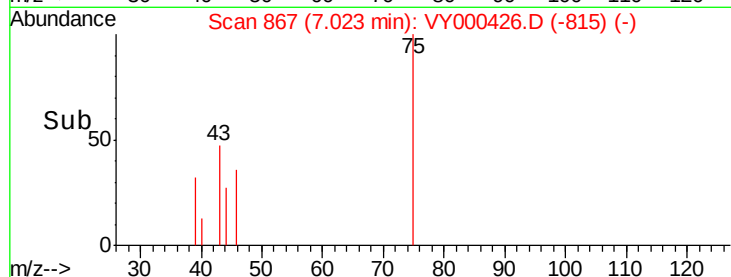
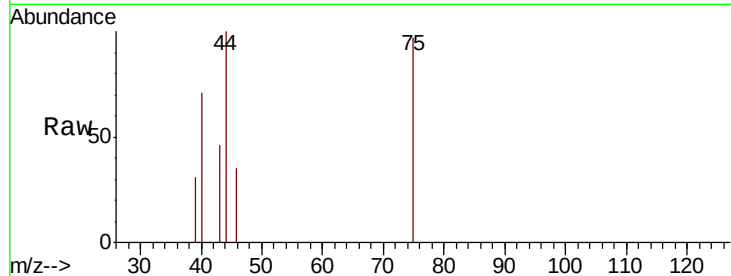




#25
2-Butanone
Concen: 3.287 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.02 min
Lab File: VY000426.D
Acq: 25 Oct 2019 14:10

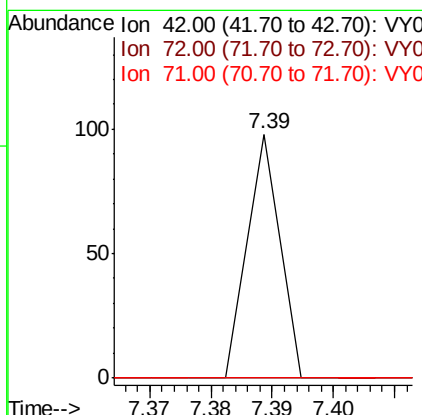
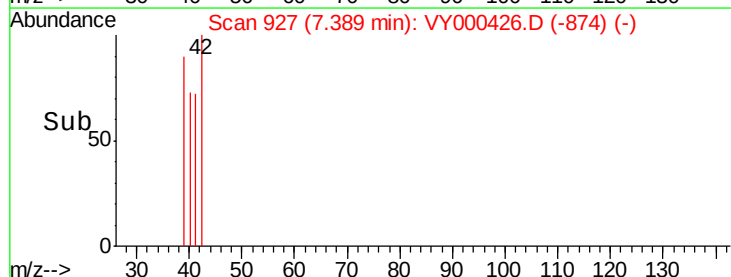
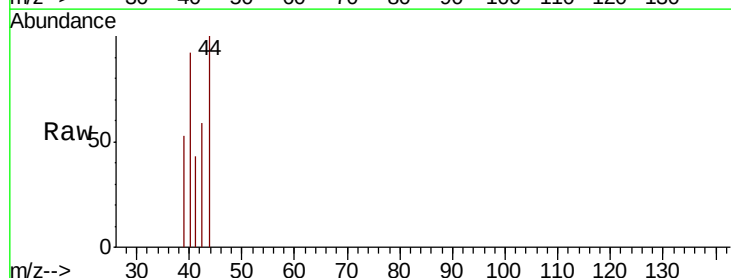
Instrument :
MSVOA_Y
ClientSampleId :

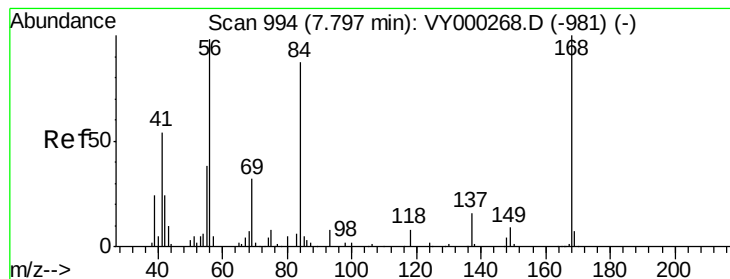
Tot Ion: 43 Resp: 80
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#29
Tetrahydrofuran
Concen: 2.441 ug/l
RT: 7.39 min Scan# 927
Delta R.T. 0.02 min
Lab File: VY000426.D
Acq: 25 Oct 2019 14:10

Tgt Ion: 42 Resp: 36
Ion Ratio Lower Upper
42 100
72 0.0 34.5 51.7#
71 0.0 32.7 49.1#





#31

Cyclohexane

Concen: 1.146 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000426.D

Acq: 25 Oct 2019 14:10

Instrument :

MSVOA_Y

ClientSampled :

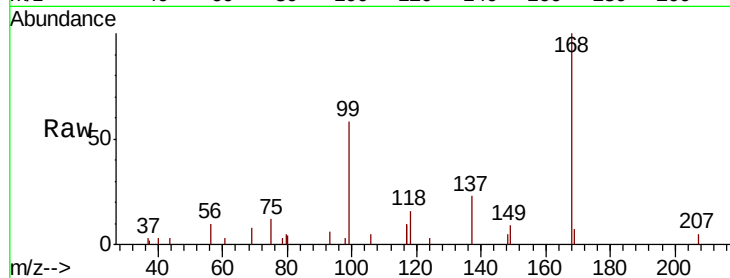
Tot Ion: 56 Resp: 117

Ion Ratio Lower Upper

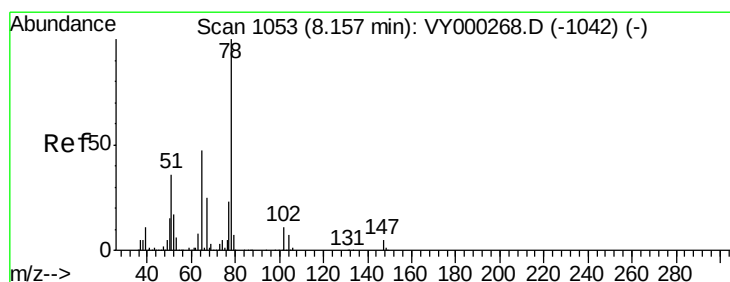
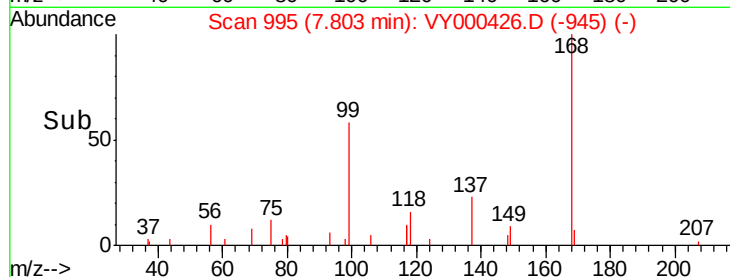
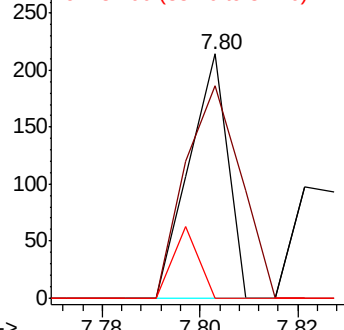
56 100

69 86.9 26.3 39.5#

84 0.0 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: 82.843 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY000426.D

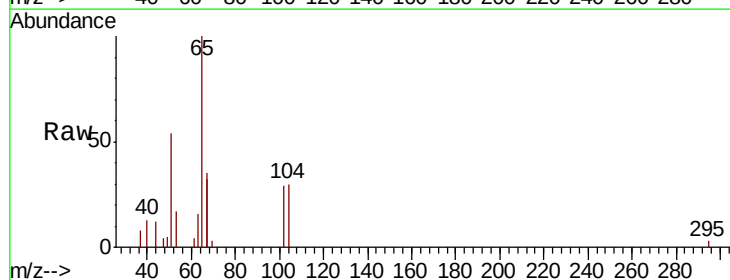
Acq: 25 Oct 2019 14:10

Tgt Ion: 65 Resp: 4420

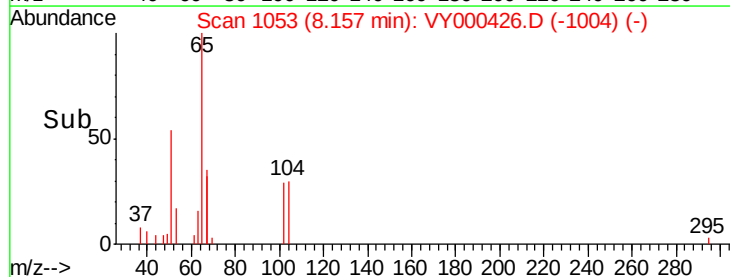
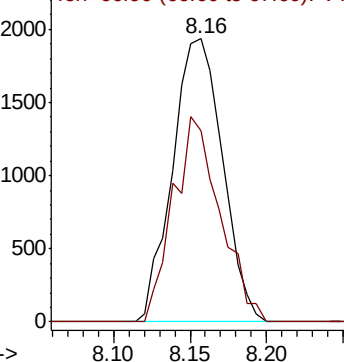
Ion Ratio Lower Upper

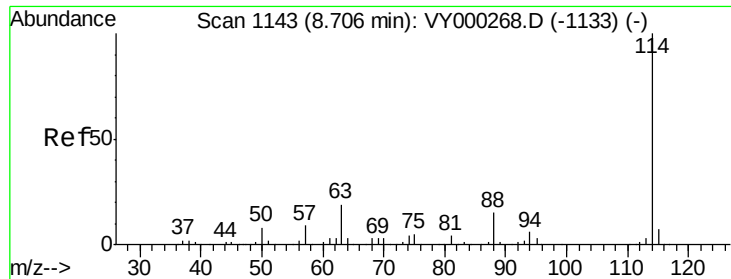
65 100

67 67.4 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

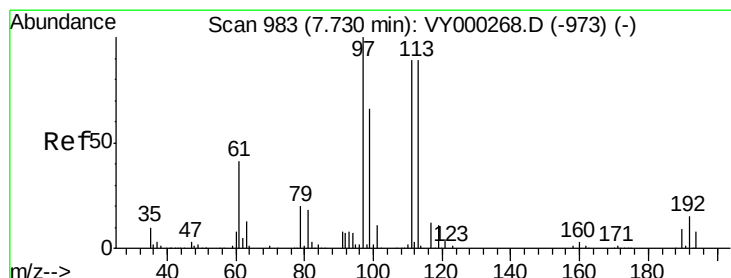
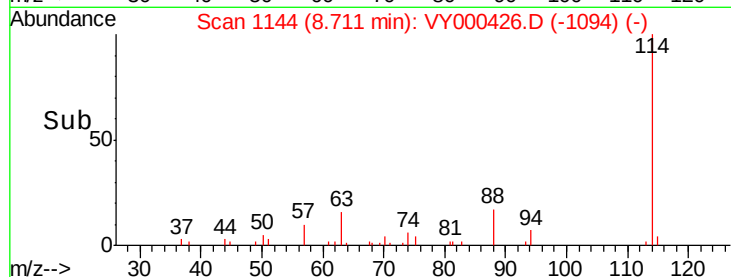
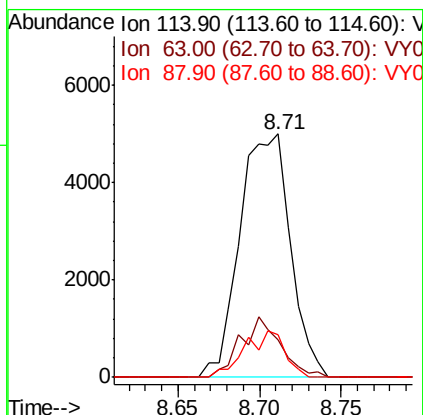
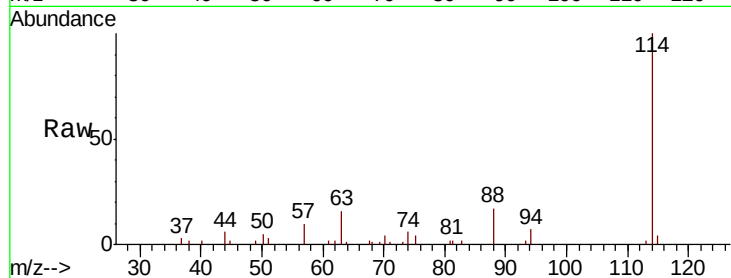




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY000426.D
 Acq: 25 Oct 2019 14:10

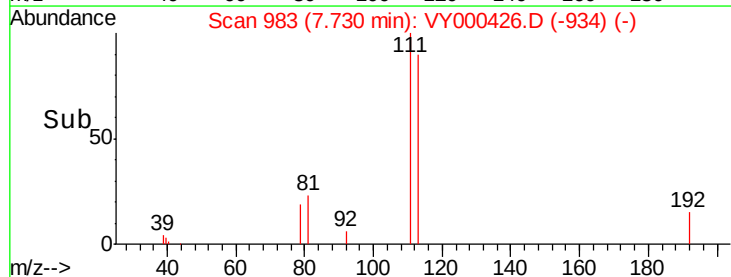
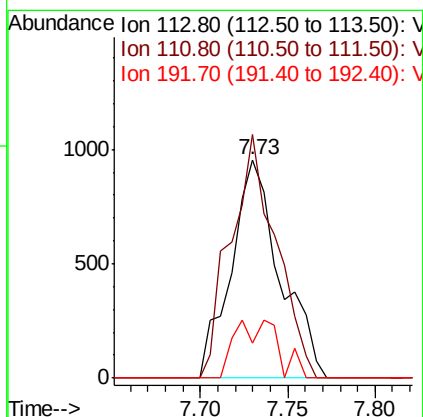
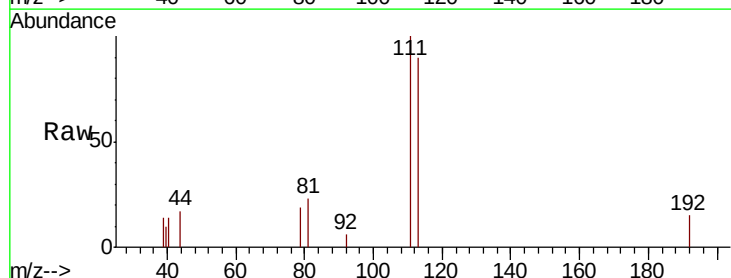
Instrument :
 MSVOA_Y
 ClientSampleId :

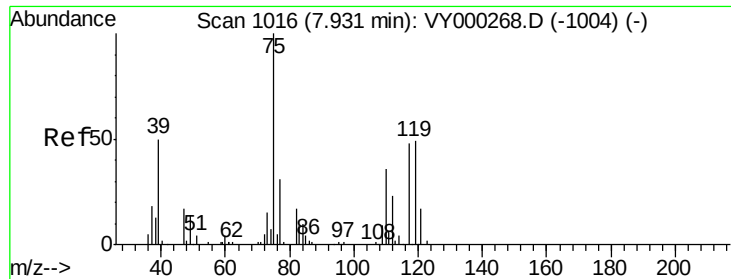
Tot Ion:114 Resp: 10737
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 37.2
 88 17.4 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 28.827 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000426.D
 Acq: 25 Oct 2019 14:10

Tgt Ion:113 Resp: 1867
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.6 122.4
 192 23.5 15.3 22.9#

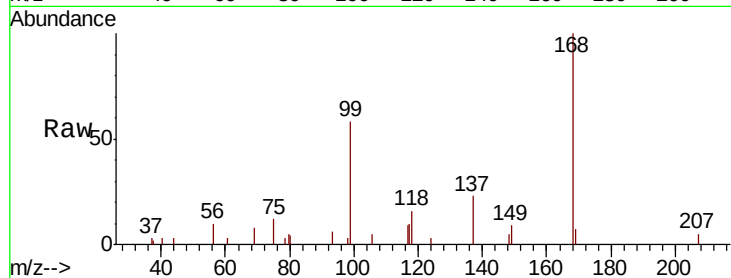




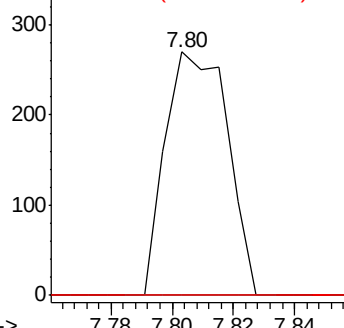
#36
 1,1-Dichloropropene
 Concen: 3.615 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000426.D
 Acq: 25 Oct 2019 14:10

Instrument :
 MSVOA_Y
 ClientSampleId :

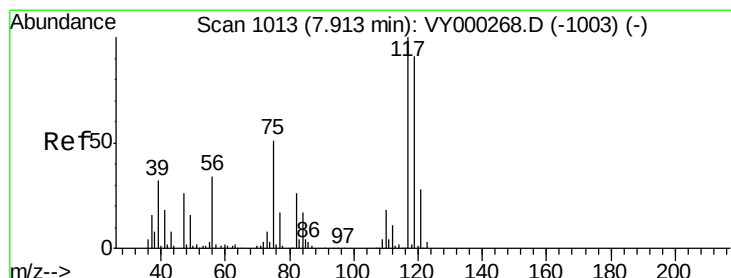
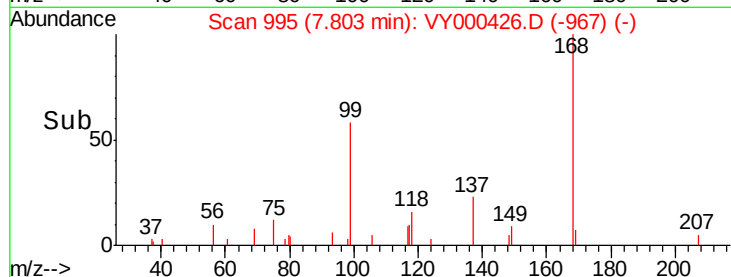
Tot Ion: 75 Resp: 380
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.4 55.4#
 77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

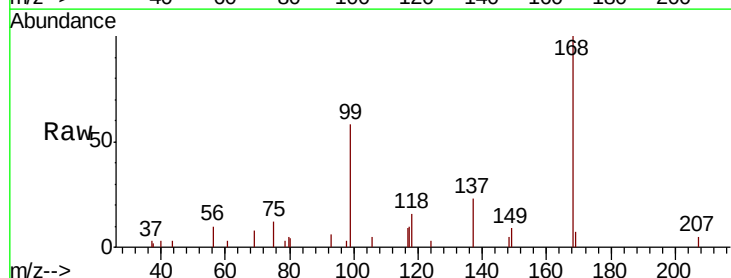


Time-->

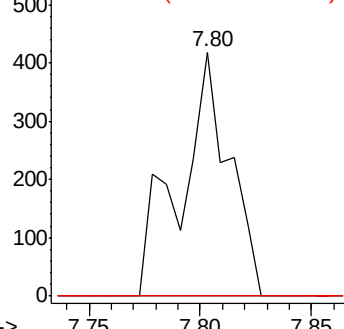


#38
 Carbon Tetrachloride
 Concen: 6.298 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000426.D
 Acq: 25 Oct 2019 14:10

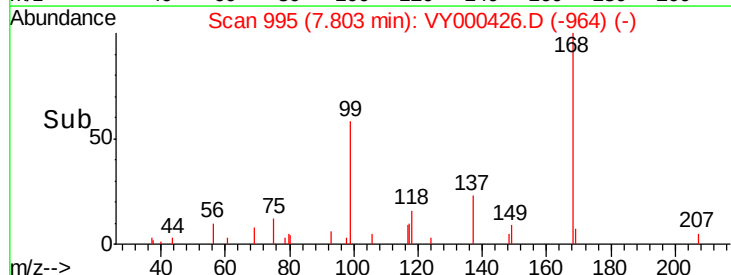
Tgt Ion: 117 Resp: 641
 Ion Ratio Lower Upper
 117 100
 119 0.0 72.8 109.2#
 121 0.0 22.2 33.2#

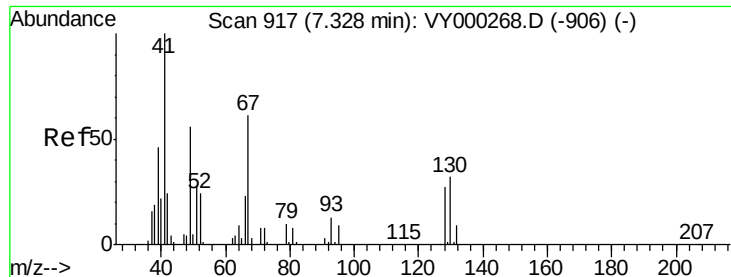


Abundance Ion 116.80 (116.50 to 117.50): VY0
 Ion 118.80 (118.50 to 119.50): VY0
 Ion 120.80 (120.50 to 121.50): VY0



Time-->

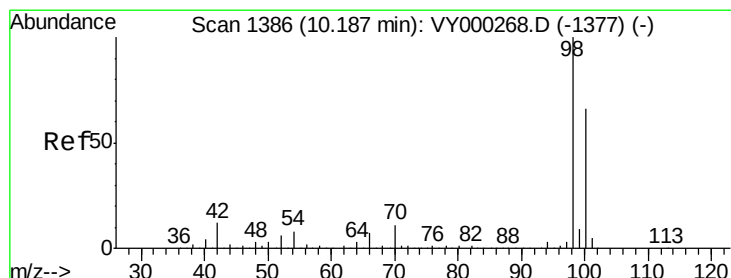
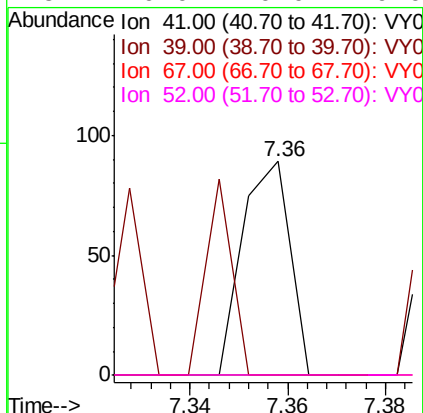
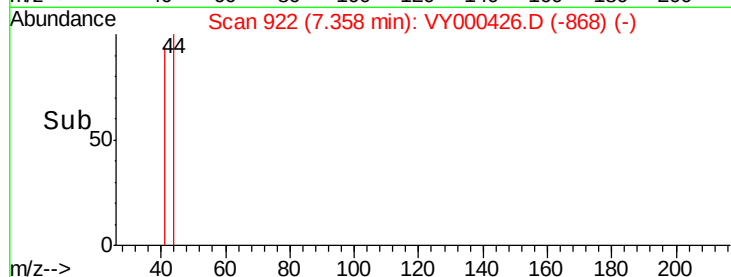
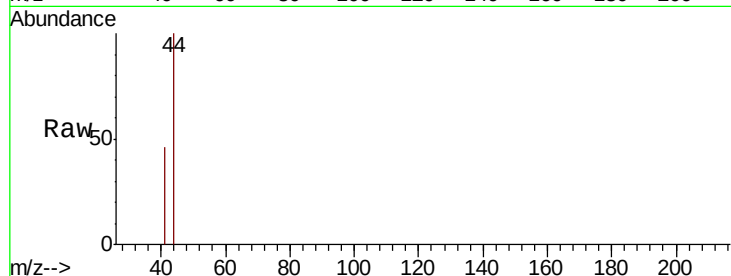




#41
Methacrylonitrile
Concen: 2.025 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.03 min
Lab File: VY000426.D
Acq: 25 Oct 2019 14:10

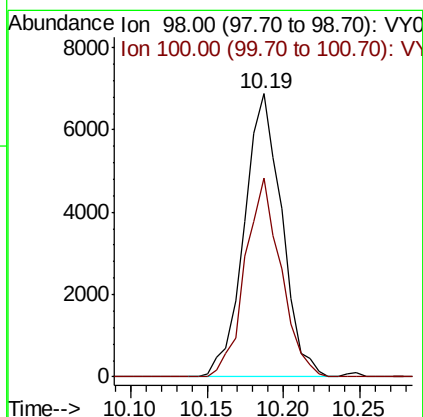
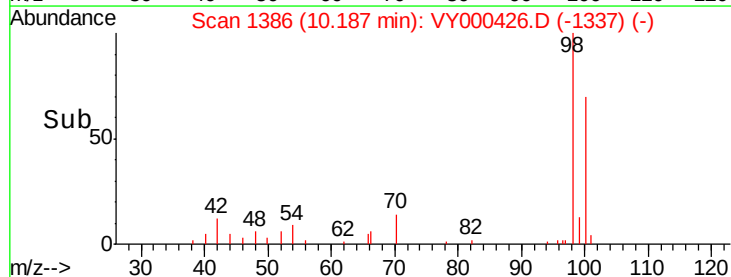
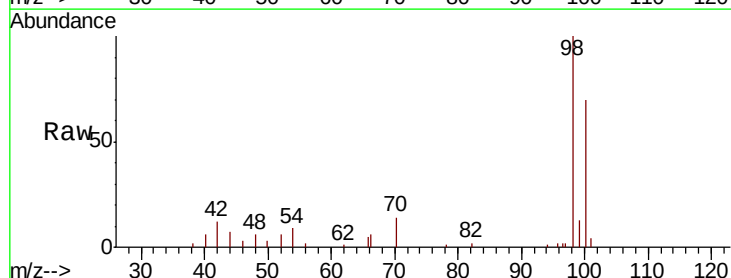
Instrument :
MSVOA_Y
ClientSampled :

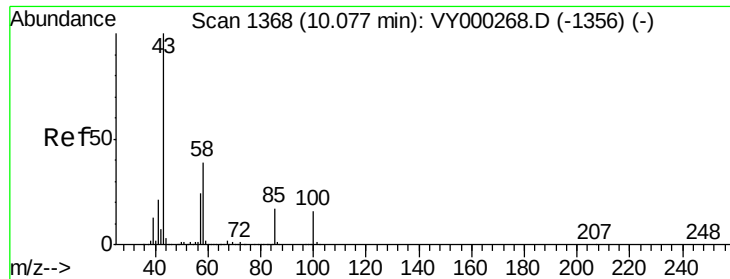
Tot Ion: 41 Resp: 60
Ion Ratio Lower Upper
41 100
39 50.0 110.2 165.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#50
Toluene-d8
Concen: 47.186 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000426.D
Acq: 25 Oct 2019 14:10

Tgt Ion: 98 Resp: 11756
Ion Ratio Lower Upper
98 100
100 66.9 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 3.244 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000426.D

Acq: 25 Oct 2019 14:10

Instrument :

MSVOA_Y

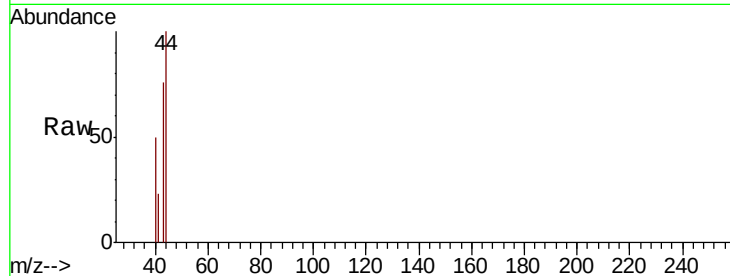
ClientSampled :

Tot Ion: 43 Resp: 198

Ion Ratio Lower Upper

43 100

58 0.0 31.0 46.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.08

200

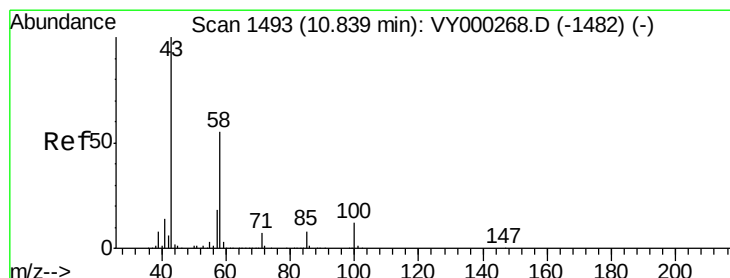
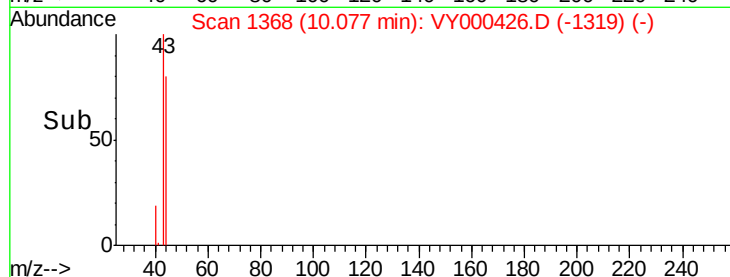
150

100

50

0

Time-->



#59

2-Hexanone

Concen: 6.348 ug/l

RT: 10.84 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VY000426.D

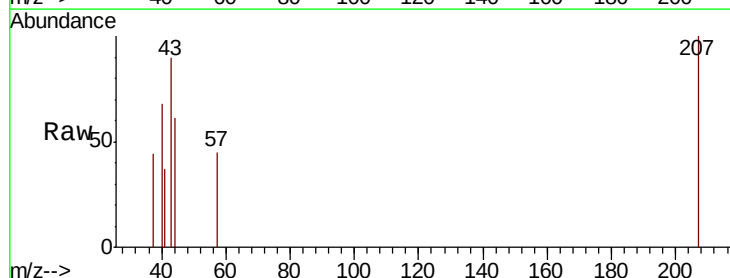
Acq: 25 Oct 2019 14:10

Tgt Ion: 43 Resp: 272

Ion Ratio Lower Upper

43 100

58 11.8 27.7 83.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.84

200

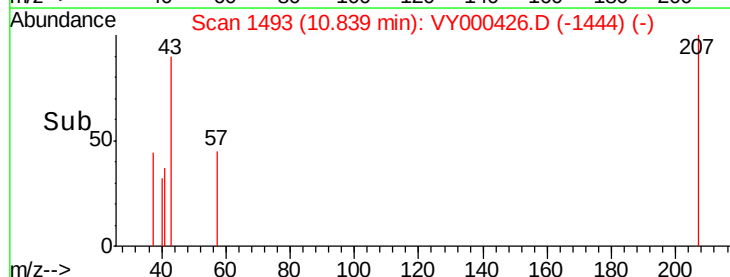
150

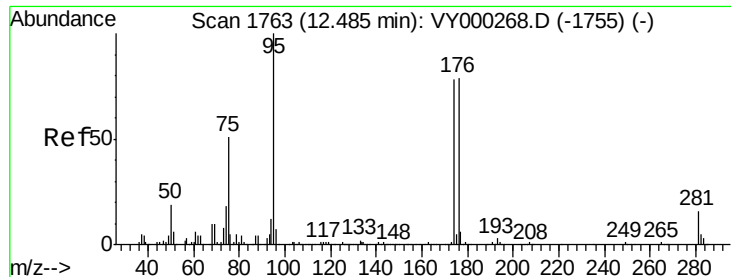
100

50

0

Time-->





#62

4-Bromofluorobenzene

Concen: 44.437 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY000426.D

Acq: 25 Oct 2019 14:10

Instrument :

MSVOA_Y

ClientSampleId :

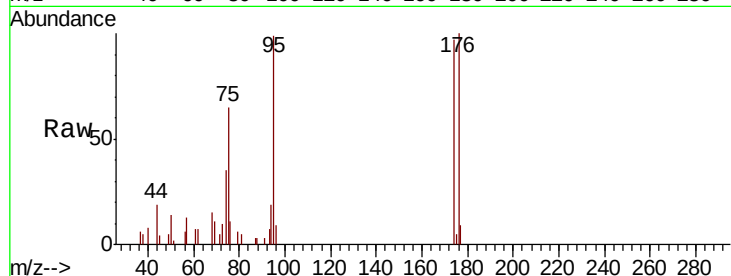
Tot Ion: 95 Resp: 4206

Ion Ratio Lower Upper

95 100

174 90.8 0.0 159.6

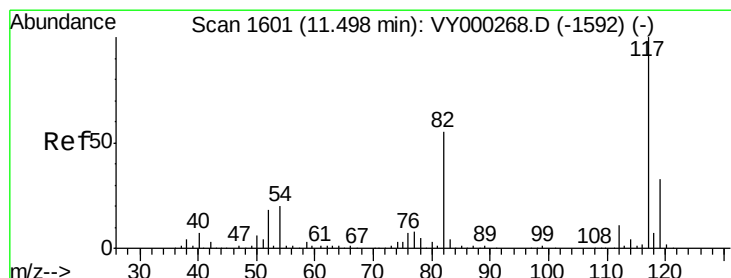
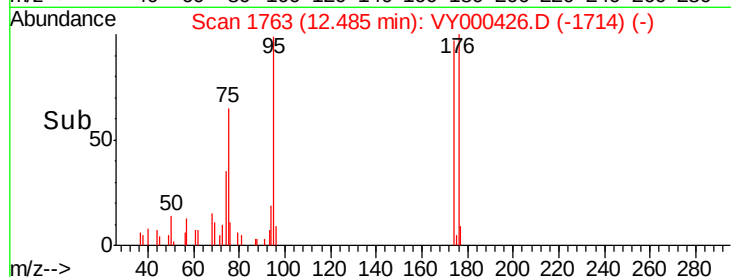
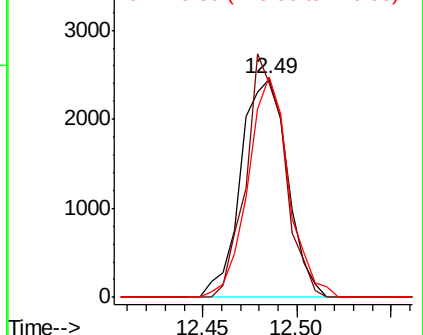
176 88.3 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VY000426.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY000426.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY000426.D (-1755) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VY000426.D

Acq: 25 Oct 2019 14:10

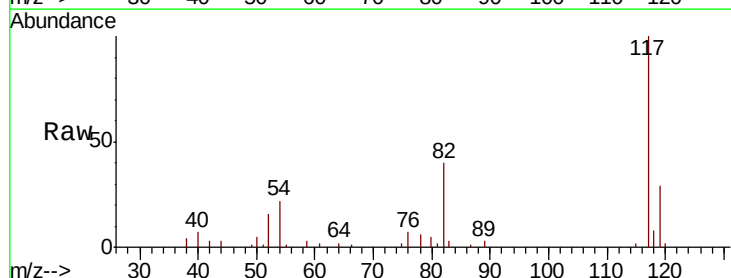
Tgt Ion: 117 Resp: 10436

Ion Ratio Lower Upper

117 100

82 39.8 43.7 65.5#

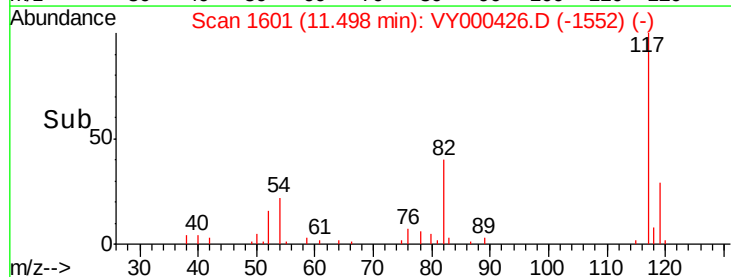
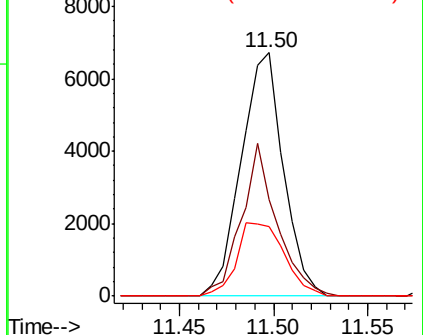
119 28.8 26.6 39.8

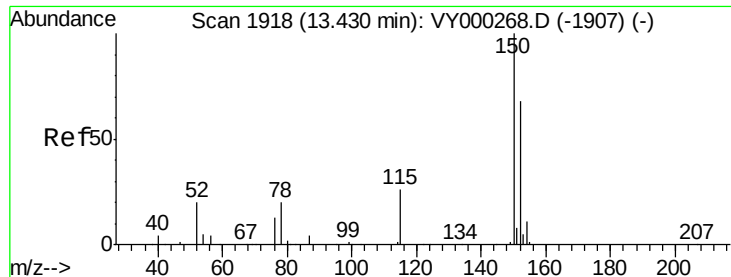


Abundance Ion 116.90 (116.60 to 117.60): VY000426.D (-1592) (-)

Ion 82.00 (81.70 to 82.70): VY000426.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY000426.D (-1592) (-)



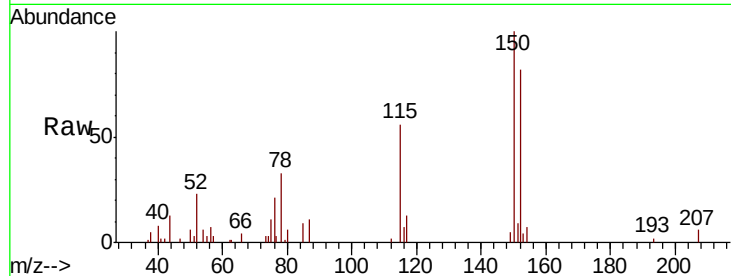


#72

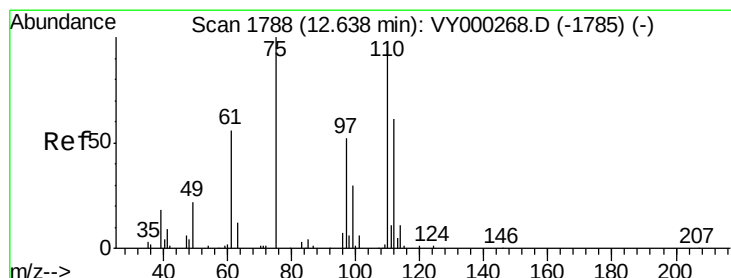
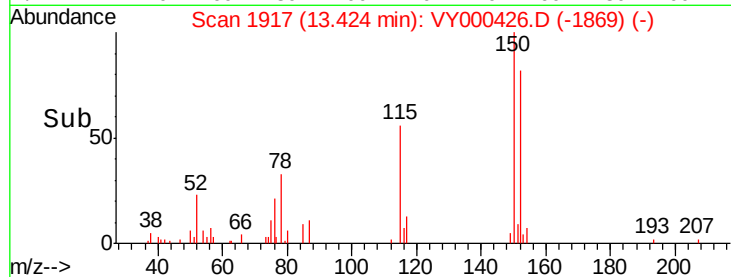
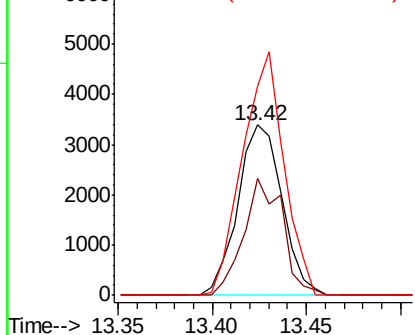
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000426.D
Acq: 25 Oct 2019 14:10

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 5517
Ion Ratio Lower Upper
152 100
115 60.8 29.3 88.0
150 134.0 0.0 348.4



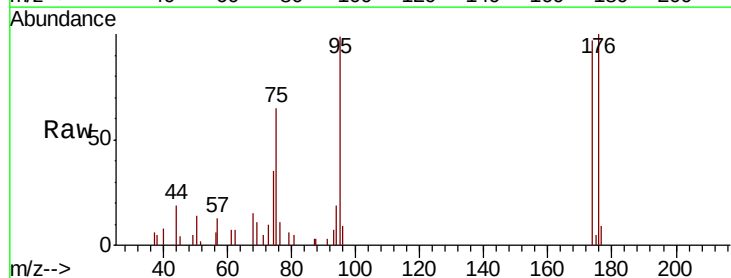
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



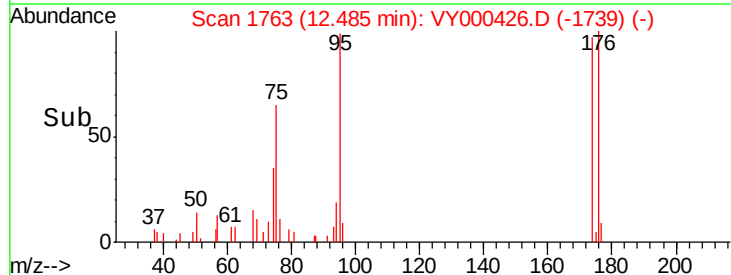
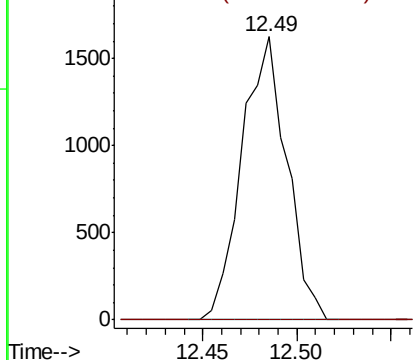
#76

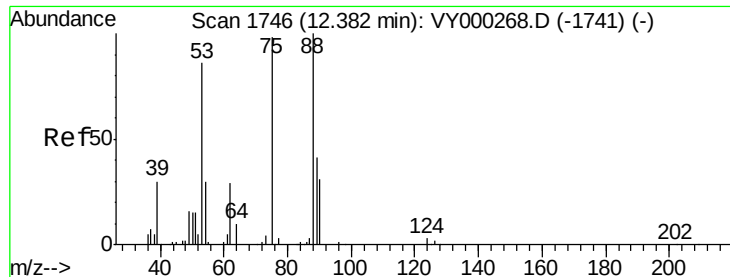
1,2,3-Trichloropropane
Concen: 39.475 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.15 min
Lab File: VY000426.D
Acq: 25 Oct 2019 14:10

Tgt Ion: 75 Resp: 2678
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



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

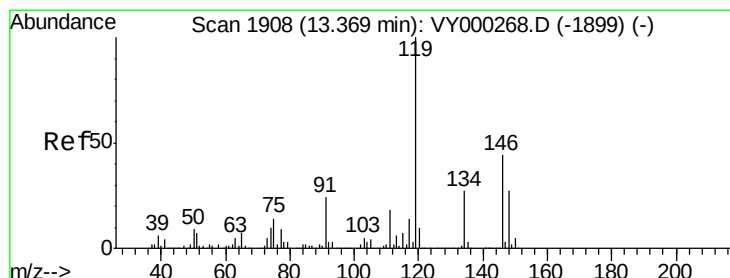
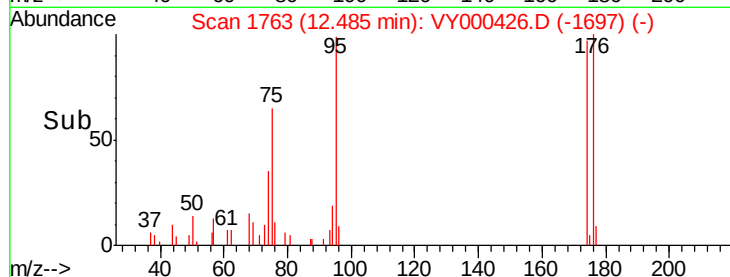
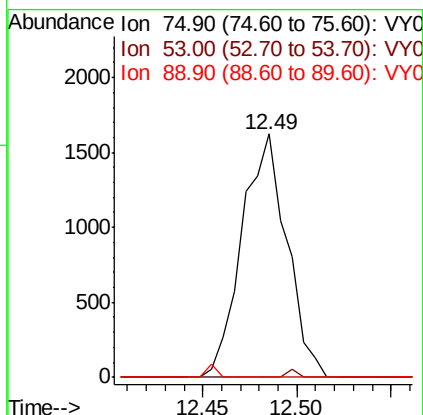
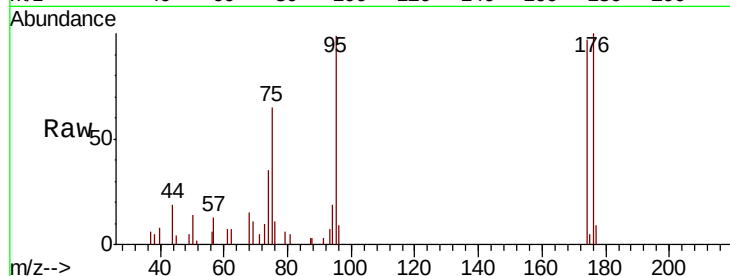




#81
trans-1,4-Dichloro-2-butene
Concen: 86.370 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.10 min
Lab File: VY000426.D
Acq: 25 Oct 2019 14:10

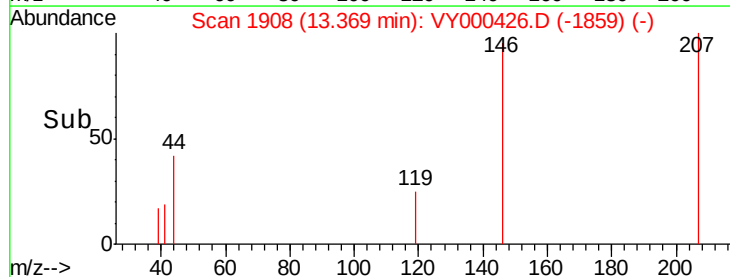
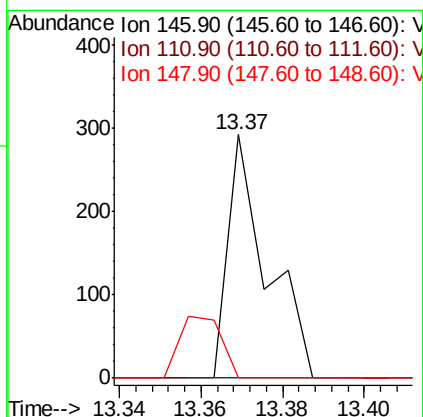
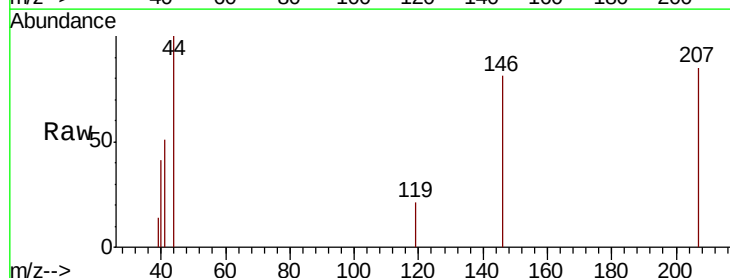
Instrument :
MSVOA_Y
ClientSampleId :

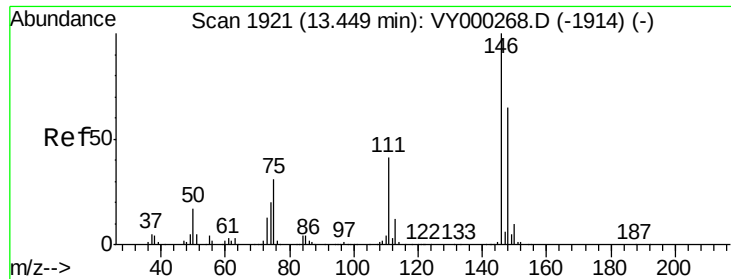
Tot Ion: 75 Resp: 2678
Ion Ratio Lower Upper
75 100
53 0.8 71.3 106.9#
89 0.0 35.1 52.7#



#87
1,3-Dichlorobenzene
Concen: 1.023 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VY000426.D
Acq: 25 Oct 2019 14:10

Tgt Ion: 146 Resp: 193
Ion Ratio Lower Upper
146 100
111 0.0 20.6 61.8#
148 26.9 31.9 95.5#

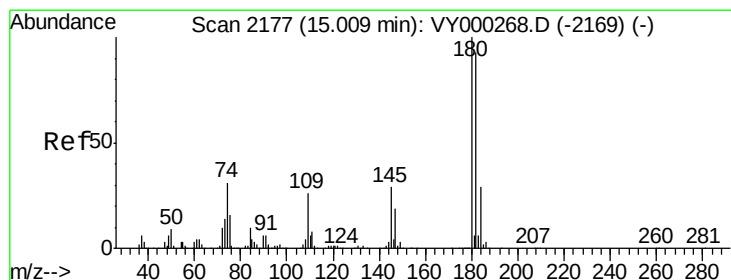
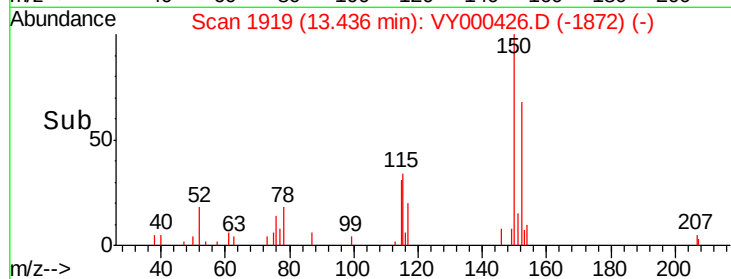
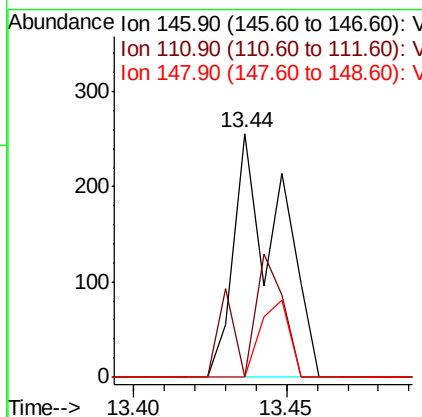
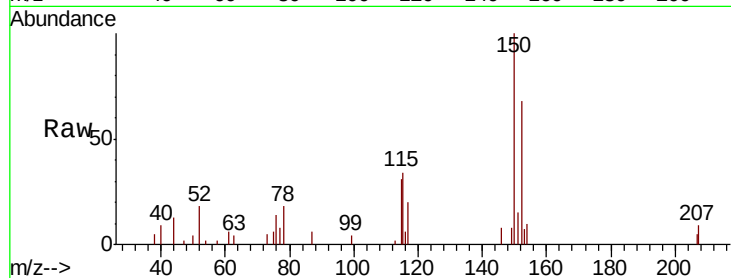




#88
 1,4-Dichlorobenzene
 Concen: 1.395 ug/l
 RT: 13.44 min Scan# 1919
 Delta R.T. -0.01 min
 Lab File: VY000426.D
 Acq: 25 Oct 2019 14:10

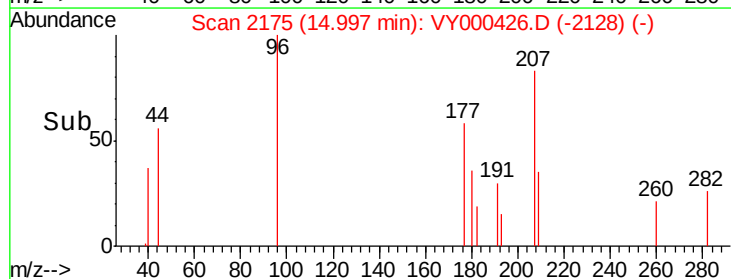
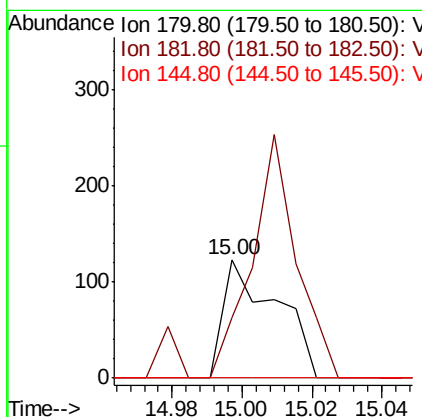
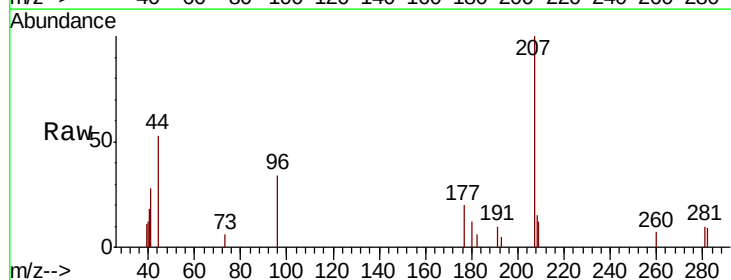
Instrument :
 MSVOA_Y
 ClientSampleId :

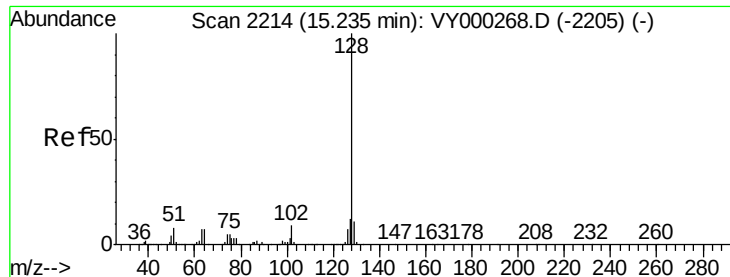
Tot Ion:146 Resp: 263
 Ion Ratio Lower Upper
 146 100
 111 43.0 20.1 60.2
 148 20.2 32.4 97.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.094 ug/l
 RT: 15.00 min Scan# 2175
 Delta R.T. -0.01 min
 Lab File: VY000426.D
 Acq: 25 Oct 2019 14:10

Tgt Ion:180 Resp: 130
 Ion Ratio Lower Upper
 180 100
 182 172.3 47.5 142.6#
 145 0.0 15.4 46.1#

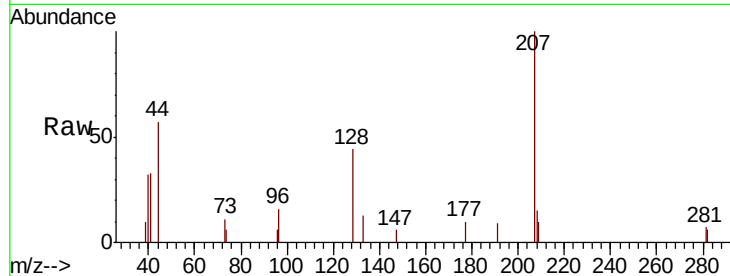




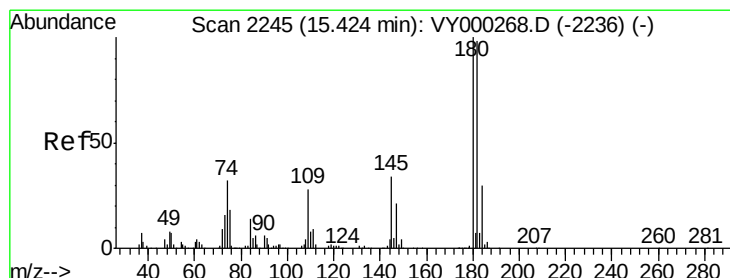
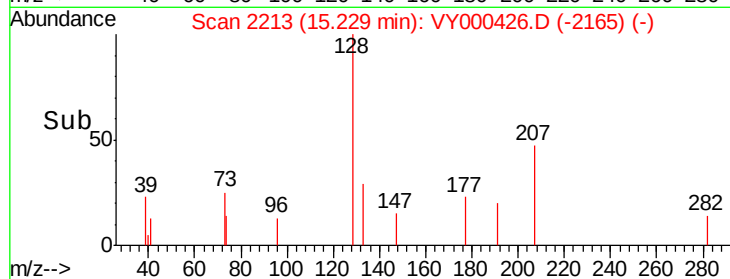
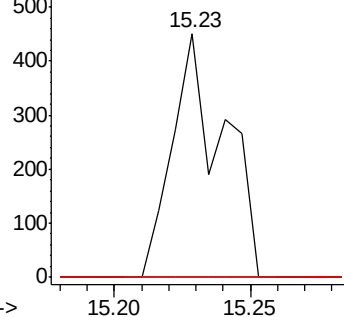
#95
Naphthalene
Concen: 2.202 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000426.D
Acq: 25 Oct 2019 14:10

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 584
Ion Ratio Lower Upper
128 100
127 0.0 9.6 14.4#
129 0.0 8.7 13.1#

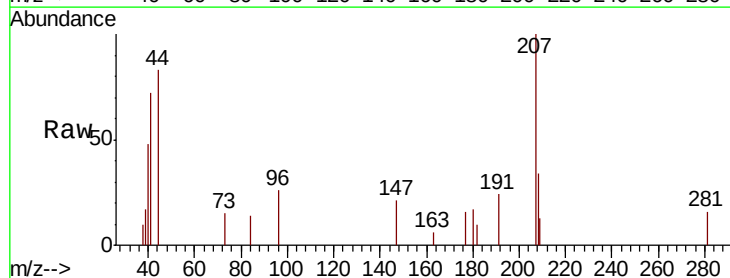


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 1.671 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.01 min
Lab File: VY000426.D
Acq: 25 Oct 2019 14:10

Tgt Ion:180 Resp: 179
Ion Ratio Lower Upper
180 100
182 43.6 46.5 139.5#
145 0.0 16.2 48.5#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

