

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101619\
 Data File : VY000322.D
 Acq On : 16 Oct 2019 12:06
 Operator : SY/MD
 Sample : VY1016SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 17 01:33:54 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	306811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	514985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	432419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	184716	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	172056	53.16	ug/l	0.00
Spiked Amount						
			Recovery	=	106.32%	
35) Dibromofluoromethane	7.73	113	149459	48.11	ug/l	0.00
Spiked Amount						
			Recovery	=	96.22%	
50) Toluene-d8	10.19	98	605014	50.63	ug/l	0.00
Spiked Amount						
			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.48	95	194339	42.81	ug/l	0.00
Spiked Amount						
			Recovery	=	85.62%	

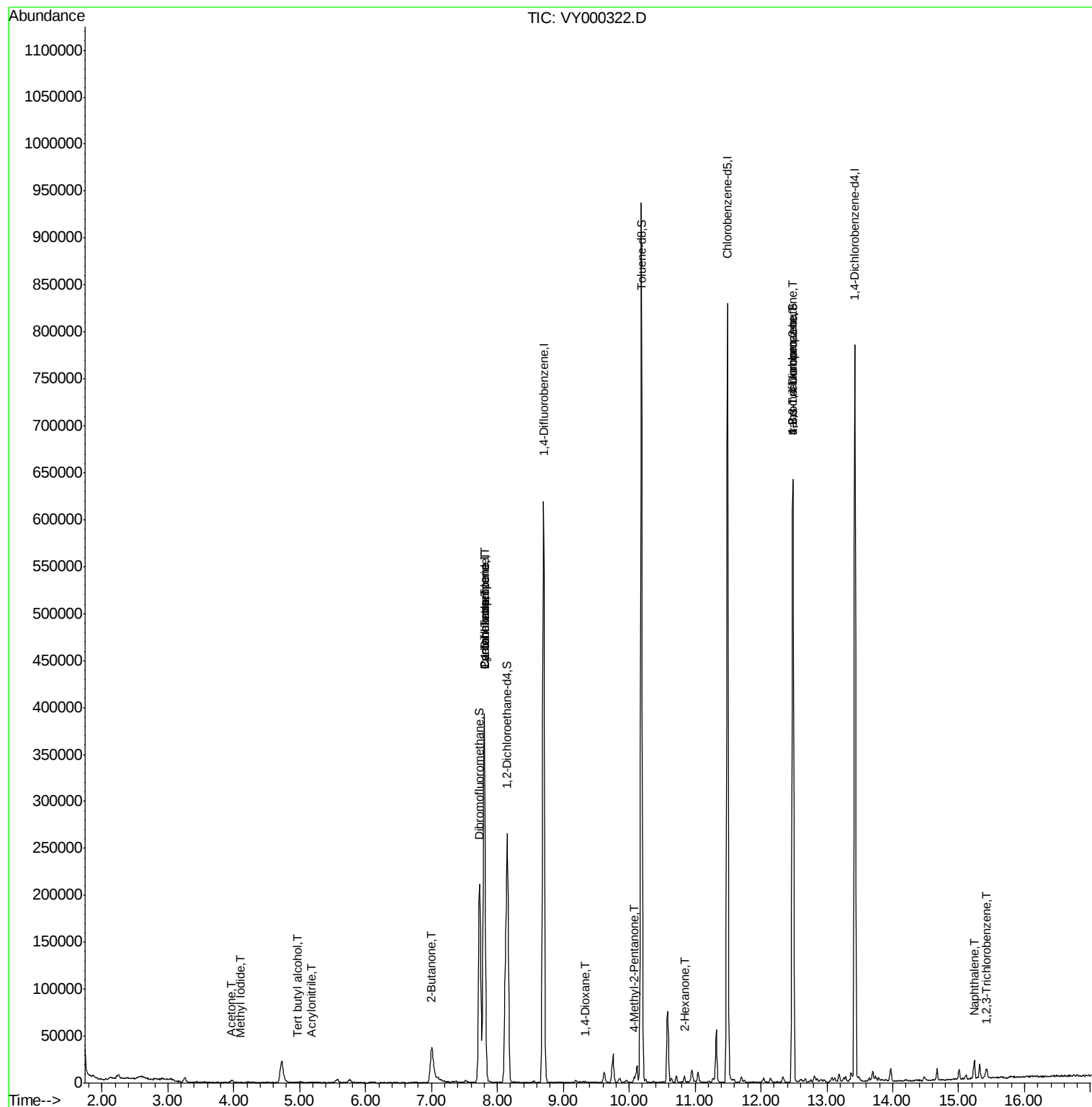
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	467	Below Cal		81
10) Methyl Iodide	4.10	142	293	1.250	ug/l #	64
11) Tert butyl alcohol	4.97	59	623	1.839	ug/l #	91
15) Acrylonitrile	5.18	53	1150	1.124	ug/l #	64
16) Acetone	3.96	43	4510	4.303	ug/l #	65
20) Methylene Chloride	4.72	84	16884	Below Cal		97
25) 2-Butanone	7.00	43	3161	2.141	ug/l #	75
31) Cyclohexane	7.80	56	6907	1.116	ug/l #	22
36) 1,1-Dichloropropene	7.80	75	25627	5.083	ug/l #	40
38) Carbon Tetrachloride	7.80	117	31310	6.414	ug/l #	18
49) 1,4-Dioxane	9.33	88	87	2.903	ug/l #	1
51) 4-Methyl-2-Pentanone	10.08	43	4736	1.618	ug/l	91
59) 2-Hexanone	10.84	43	4161	2.025	ug/l	94
76) 1,2,3-Trichloropropane	12.48	75	101208	44.558	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	101208	97.491	ug/l #	14
95) Naphthalene	15.24	128	14741	1.660	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	3635	1.014	ug/l	91

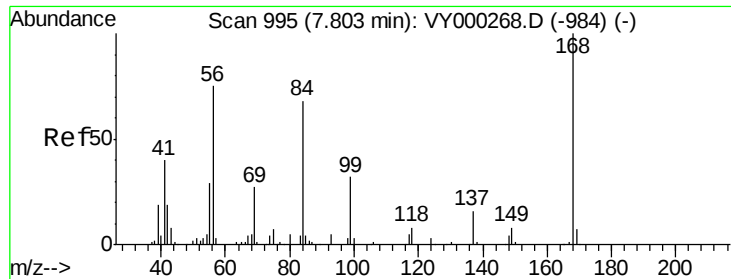
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY101619\
Data File : VY000322.D
Acq On : 16 Oct 2019 12:06
Operator : SY/MD
Sample : VY1016SBL01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 17 01:33:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 14 08:10:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000322.D

Acq: 16 Oct 2019 12:06

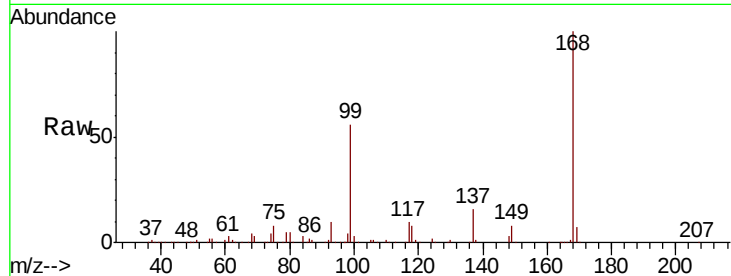
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 306811

Ion Ratio Lower Upper

168 100

99 55.6 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000322.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000322.D (-946) (-)

7.80

150000

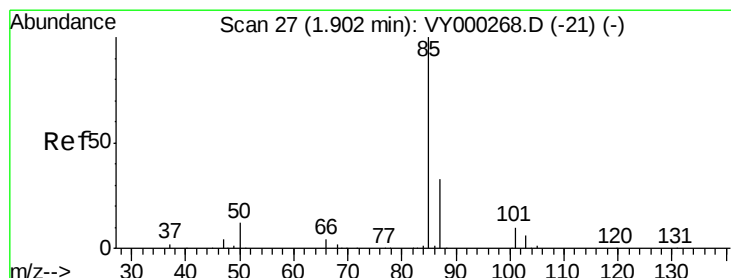
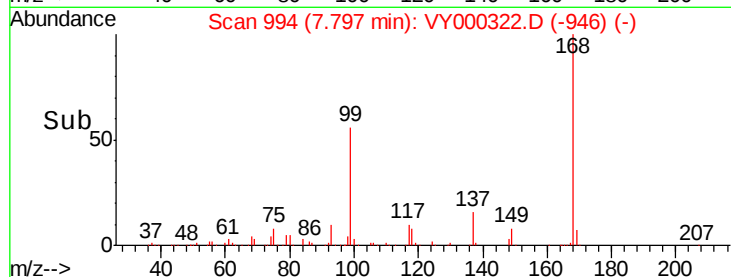
100000

50000

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: VY000322.D

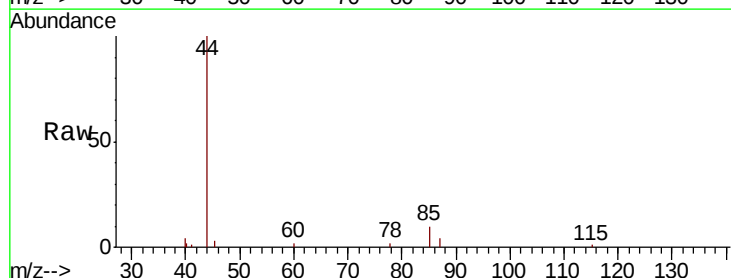
Acq: 16 Oct 2019 12:06

Tgt Ion: 85 Resp: 467

Ion Ratio Lower Upper

85 100

87 43.8 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000322.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000322.D (-1) (-)

1.91

500

400

300

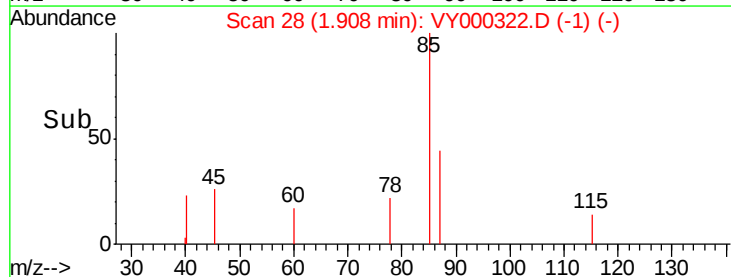
200

100

0

1.85 1.90 1.95

Time-->

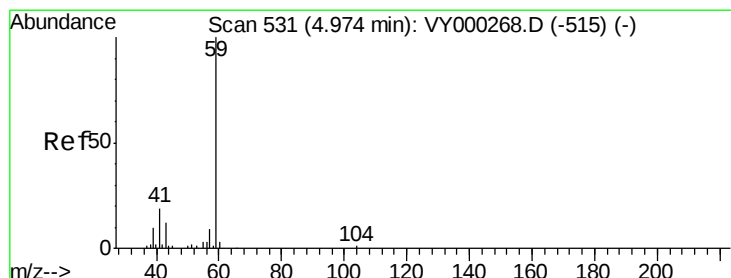
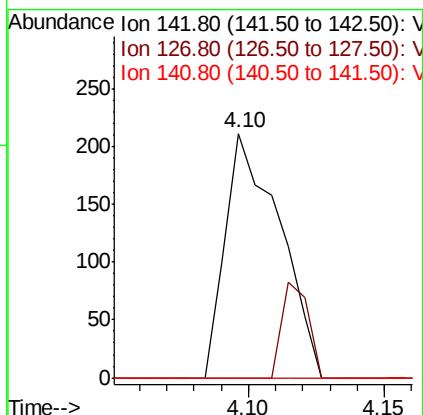
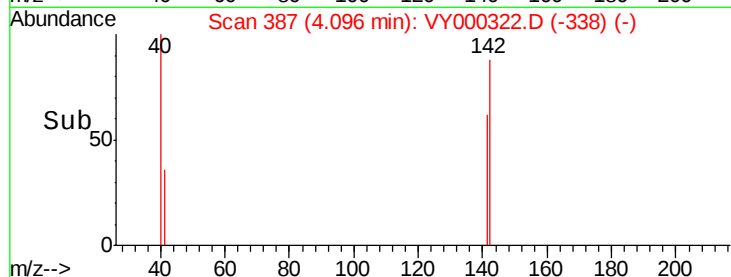
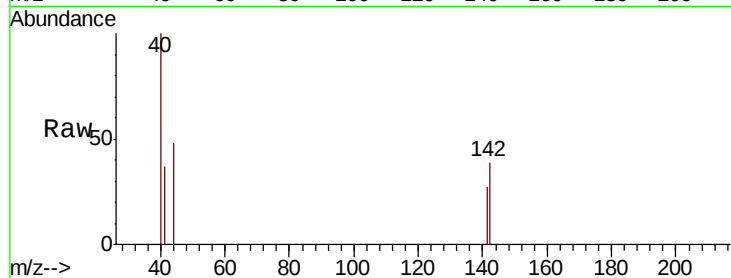




#10
Methvl Iodide
Concen: 1.250 ug/l
RT: 4.10 min Scan# 387
Delta R.T. 0.00 min
Lab File: VY000322.D
Acq: 16 Oct 2019 12:06

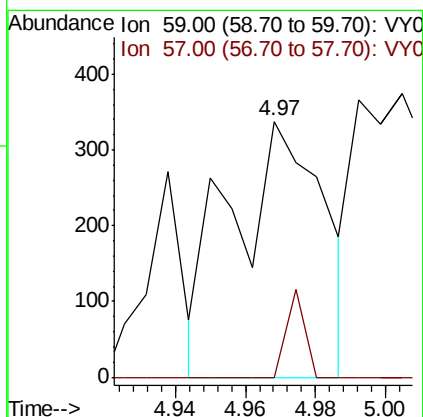
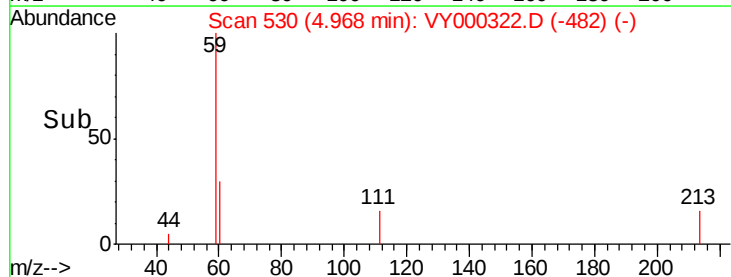
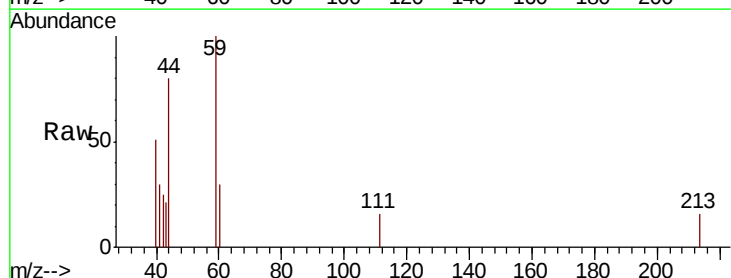
Instrument :
MSVOA_Y
ClientSampled :

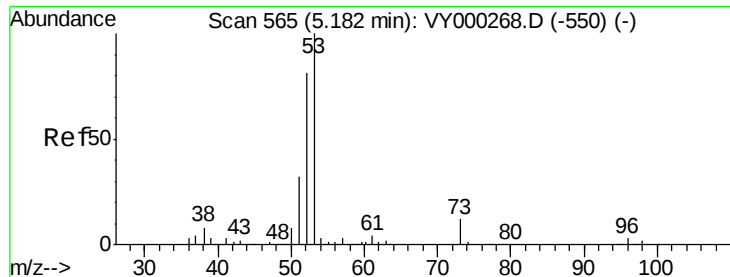
Tot Ion:142 Resp: 293
Ion Ratio Lower Upper
142 100
127 19.1 33.9 50.9#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 1.839 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.01 min
Lab File: VY000322.D
Acq: 16 Oct 2019 12:06

Tgt Ion: 59 Resp: 623
Ion Ratio Lower Upper
59 100
57 6.7 8.2 12.2#





#15

Acrylonitrile

Concen: 1.124 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000322.D

Acq: 16 Oct 2019 12:06

Instrument :

MSVOA_Y

ClientSampleId :

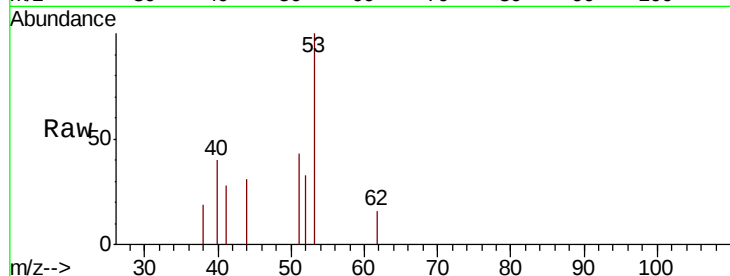
Tot Ion: 53 Resp: 1150

Ion Ratio Lower Upper

53 100

52 34.3 62.9 94.3#

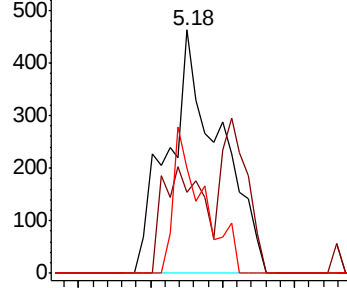
51 34.5 26.9 40.3



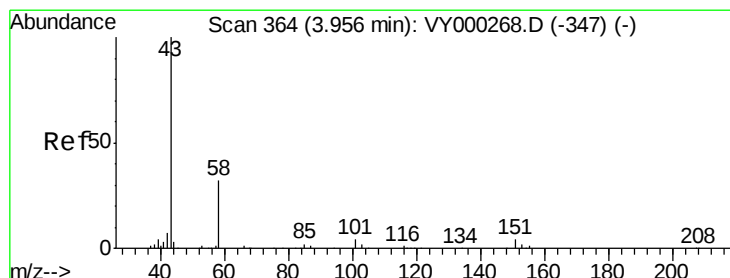
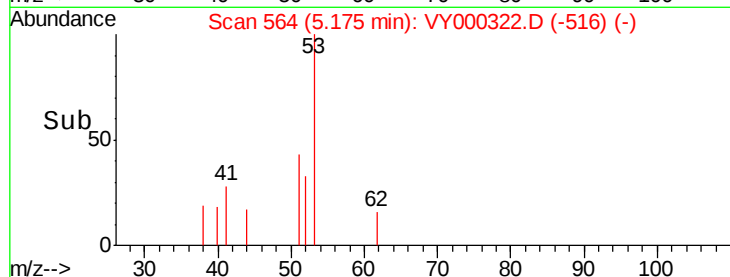
Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



Time-->



#16

Acetone

Concen: 4.303 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000322.D

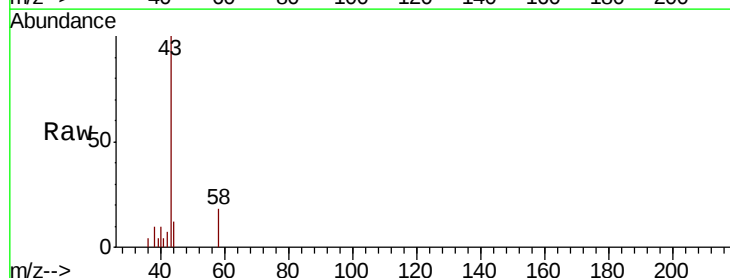
Acq: 16 Oct 2019 12:06

Tgt Ion: 43 Resp: 4510

Ion Ratio Lower Upper

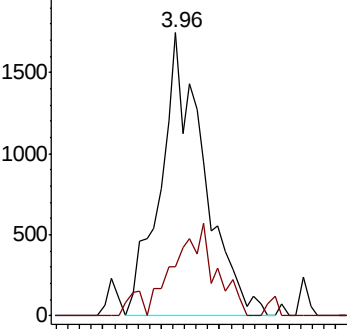
43 100

58 12.7 25.8 38.6#

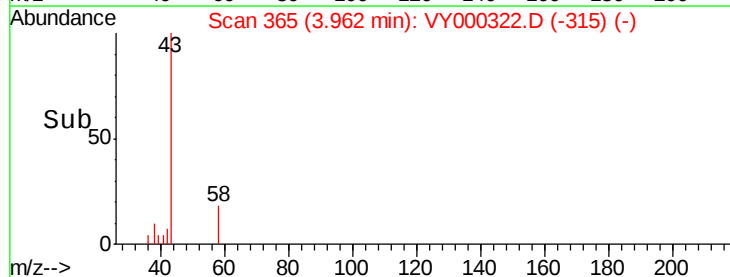


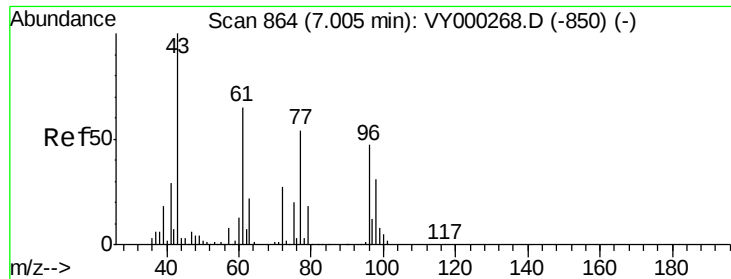
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->

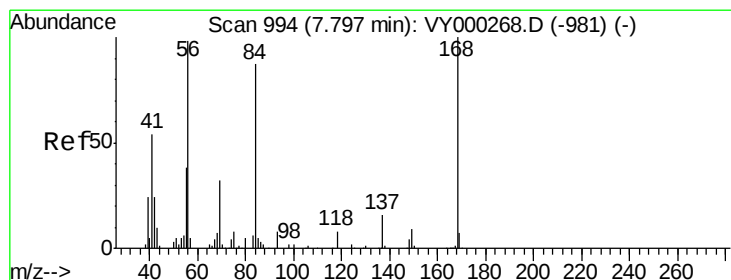
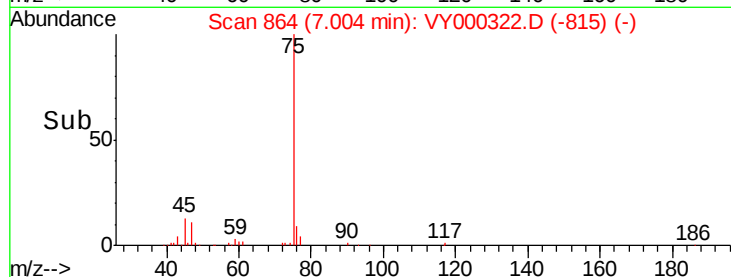
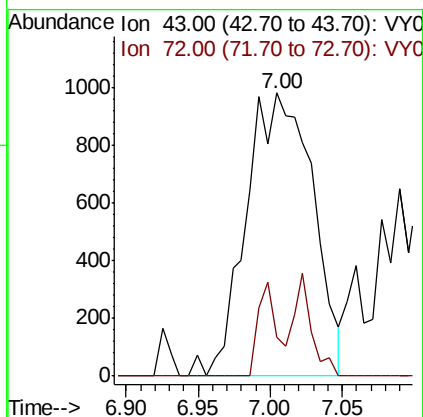
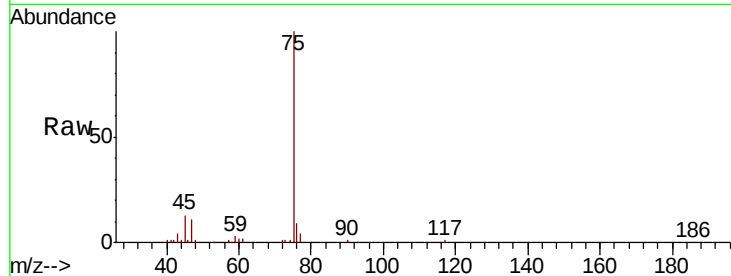




#25
2-Butanone
Concen: 2.141 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.00 min
Lab File: VY000322.D
Acq: 16 Oct 2019 12:06

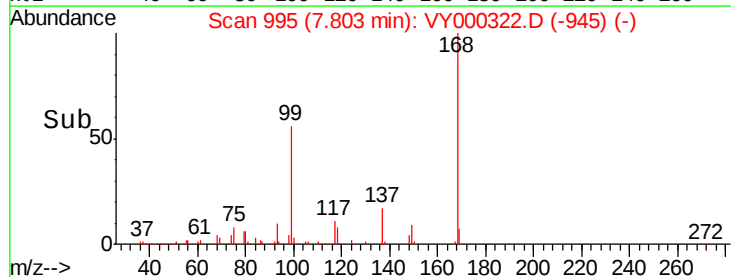
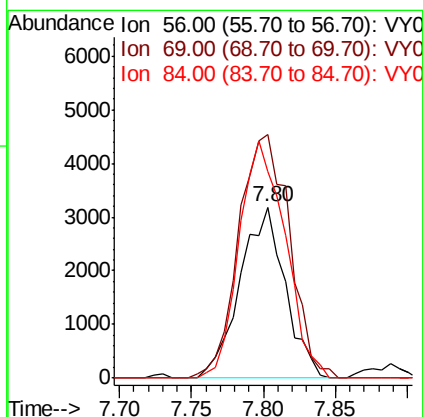
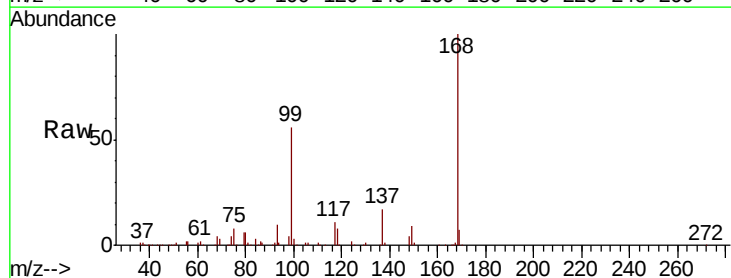
Instrument :
MSVOA_Y
ClientSampled :

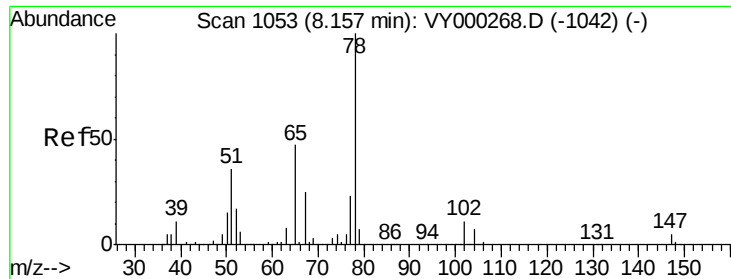
Tot Ion: 43 Resp: 3161
Ion Ratio Lower Upper
43 100
72 14.0 21.4 32.2#



#31
Cyclohexane
Concen: 1.116 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000322.D
Acq: 16 Oct 2019 12:06

Tgt Ion: 56 Resp: 6907
Ion Ratio Lower Upper
56 100
69 142.4 26.3 39.5#
84 120.6 70.8 106.2#

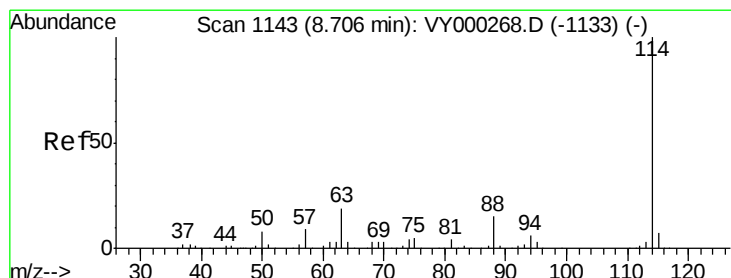
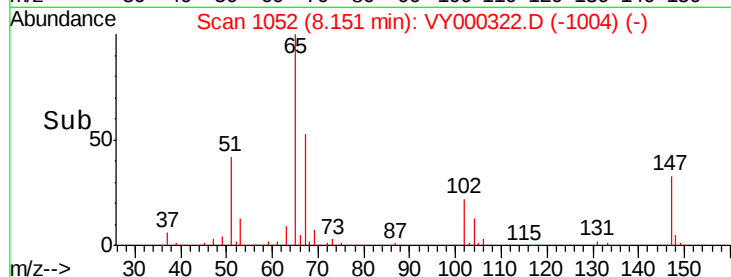
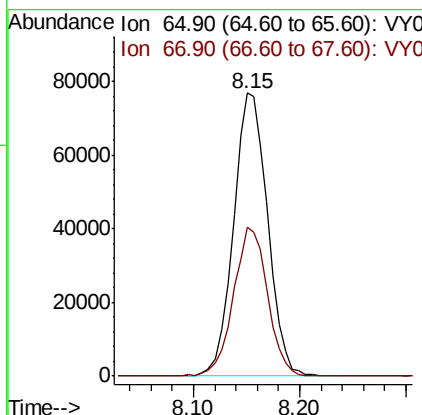
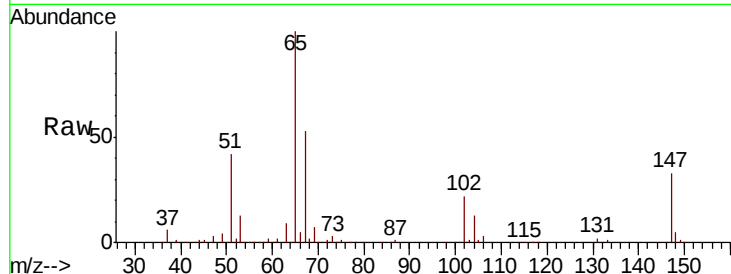




#33
 1,2-Dichloroethane-d4
 Concen: 53.163 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY000322.D
 Acq: 16 Oct 2019 12:06

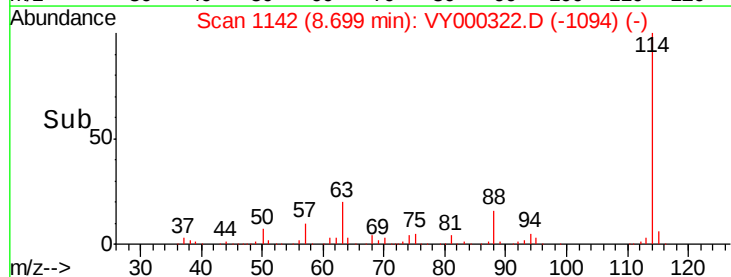
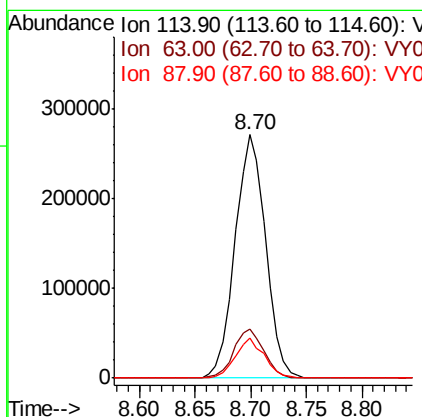
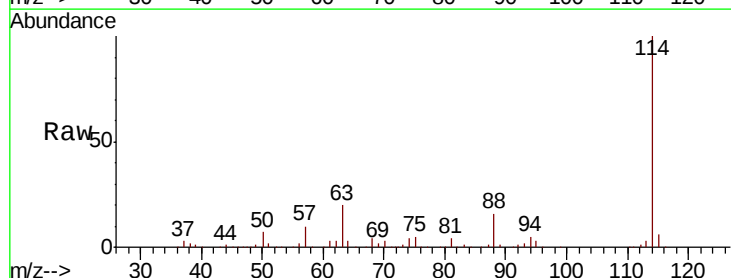
Instrument :
 MSVOA_Y
 ClientSampled :

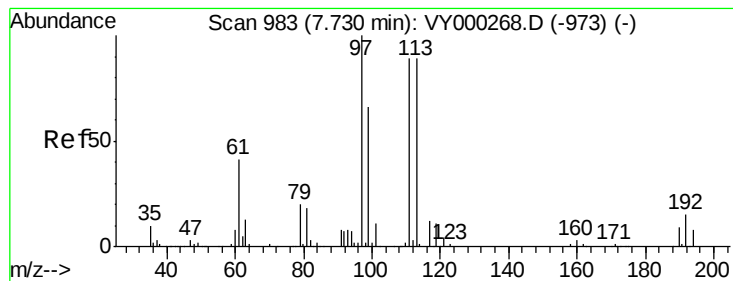
Tot Ion: 65 Resp: 172056
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000322.D
 Acq: 16 Oct 2019 12:06

Tgt Ion: 114 Resp: 514985
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 37.2
 88 16.4 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.113 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000322.D

Acq: 16 Oct 2019 12:06

Instrument :

MSVOA_Y

ClientSampleId :

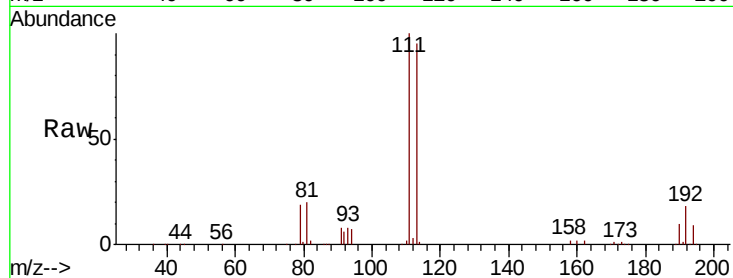
Tot Ion:113 Resp: 149459

Ion Ratio Lower Upper

113 100

111 104.0 81.6 122.4

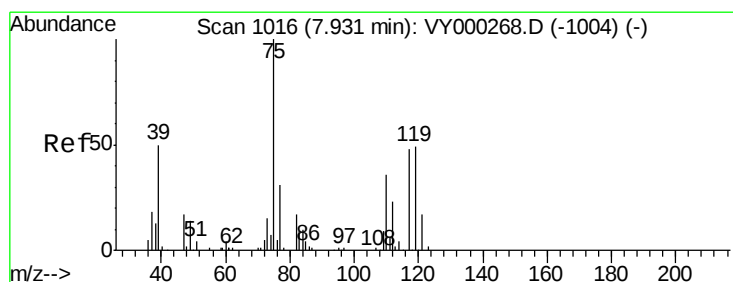
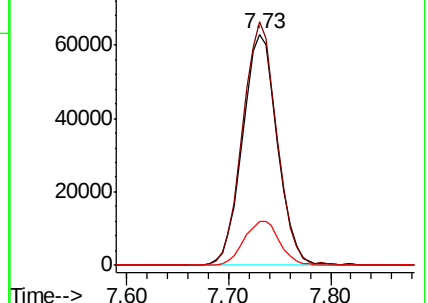
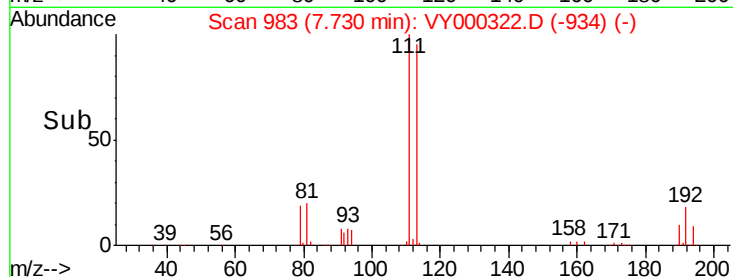
192 19.6 15.3 22.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.083 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000322.D

Acq: 16 Oct 2019 12:06

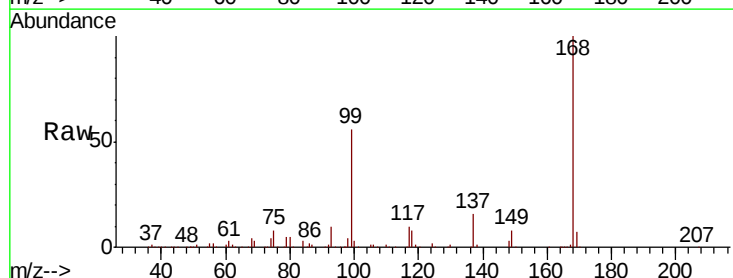
Tgt Ion: 75 Resp: 25627

Ion Ratio Lower Upper

75 100

110 0.0 18.4 55.4#

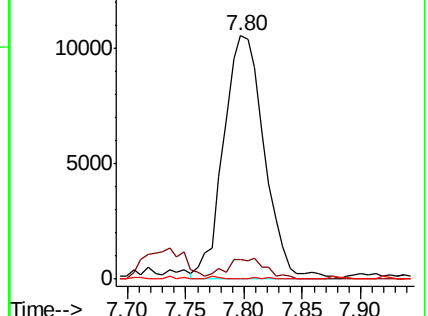
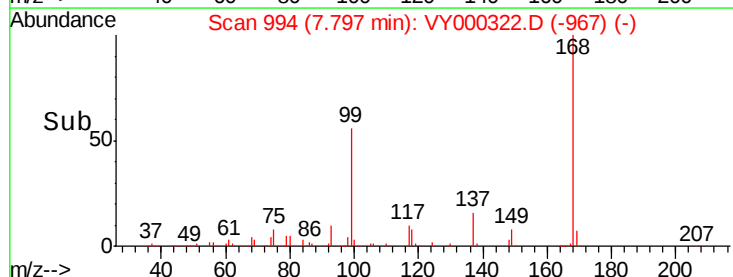
77 0.0 25.0 37.6#

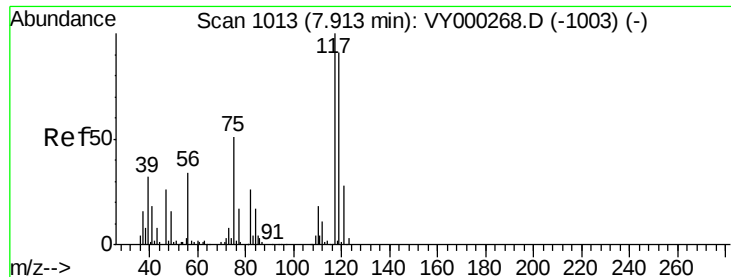


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.414 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000322.D

Acq: 16 Oct 2019 12:06

Instrument :

MSVOA_Y

ClientSampleId :

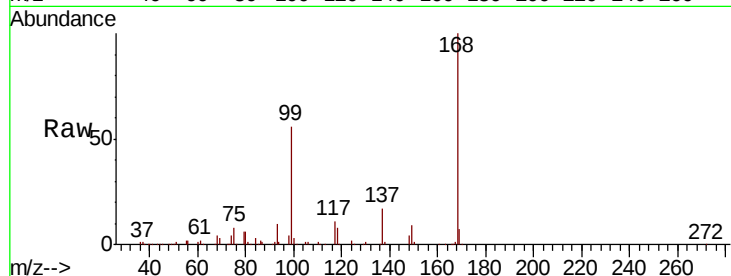
Tot Ion:117 Resp: 31310

Ion Ratio Lower Upper

117 100

119 4.4 72.8 109.2#

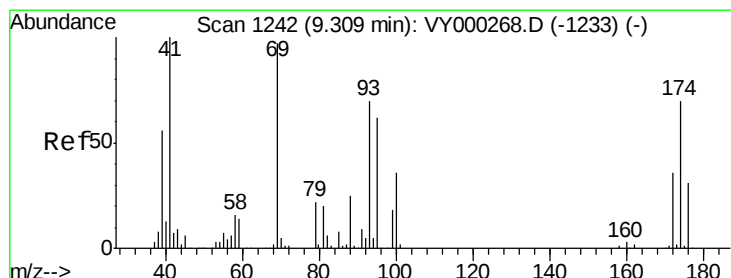
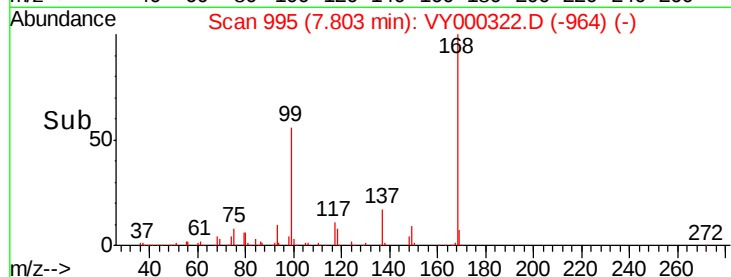
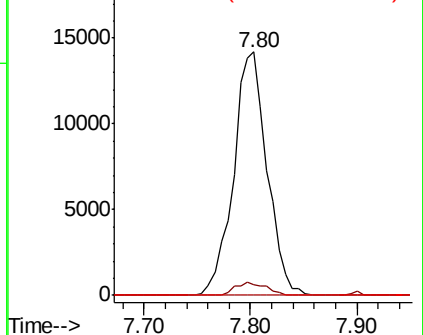
121 0.0 22.2 33.2#



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



#49

1,4-Dioxane

Concen: 2.903 ug/l

RT: 9.33 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VY000322.D

Acq: 16 Oct 2019 12:06

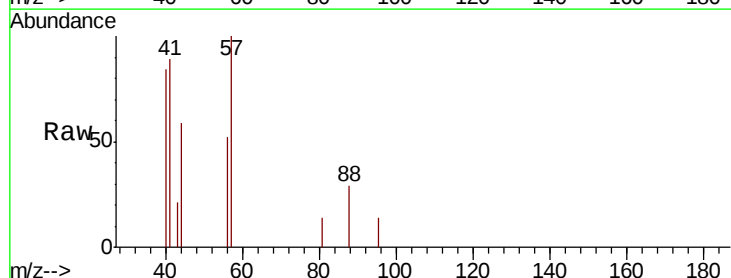
Tgt Ion: 88 Resp: 87

Ion Ratio Lower Upper

88 100

43 187.4 25.6 38.4#

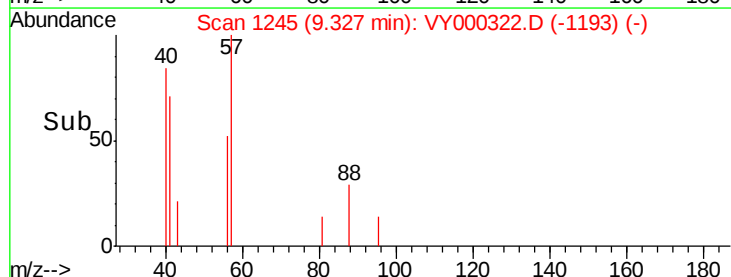
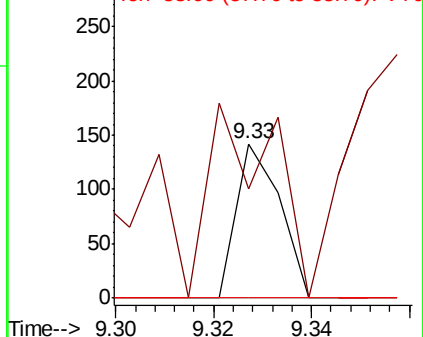
58 0.0 54.6 81.8#

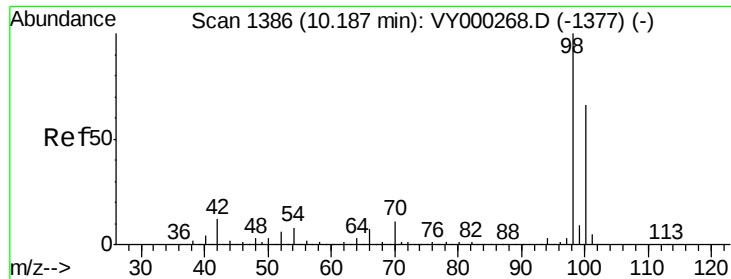


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 50.630 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY000322.D

Acq: 16 Oct 2019 12:06

Instrument :

MSVOA_Y

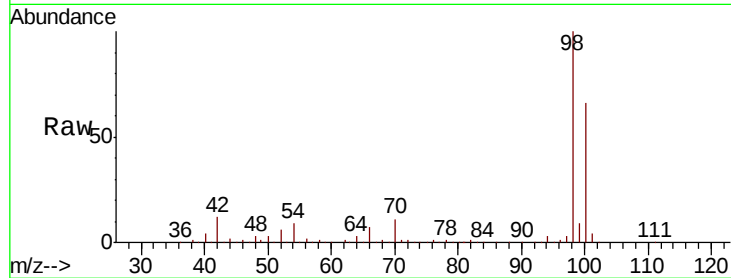
ClientSampled :

Tot Ion: 98 Resp: 605014

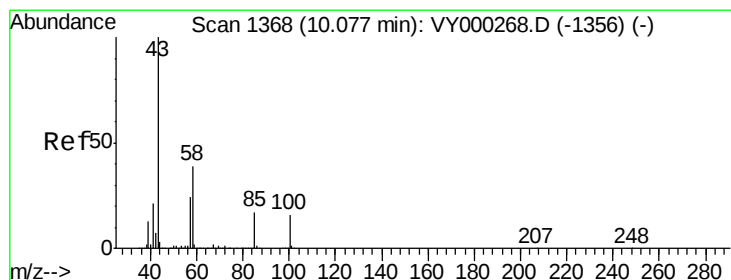
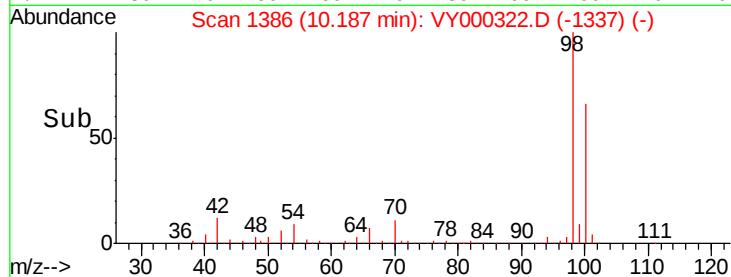
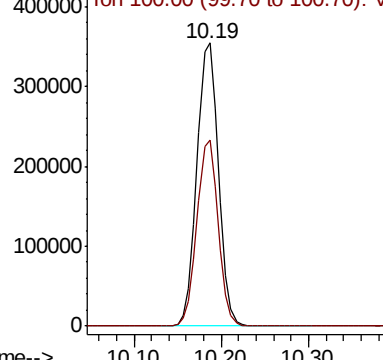
Ion Ratio Lower Upper

98 100

100 64.9 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY000322.D (-1377) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.618 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000322.D

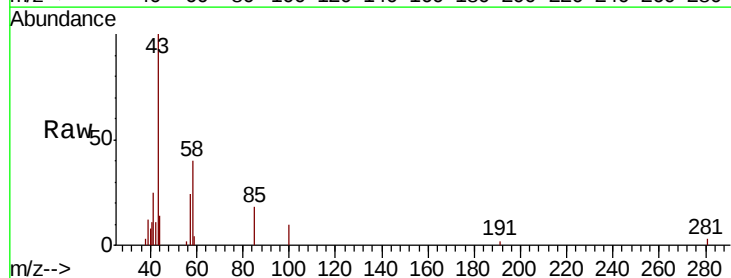
Acq: 16 Oct 2019 12:06

Tgt Ion: 43 Resp: 4736

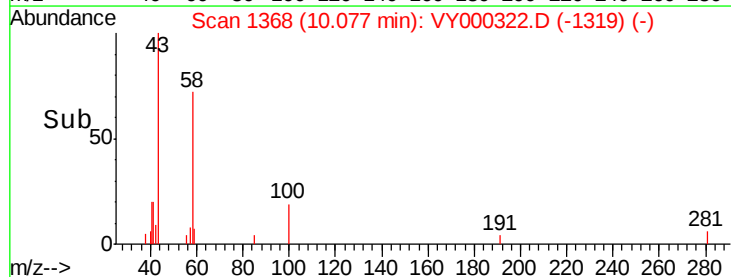
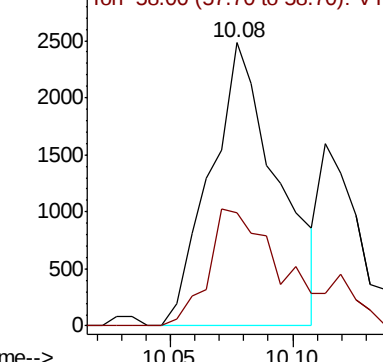
Ion Ratio Lower Upper

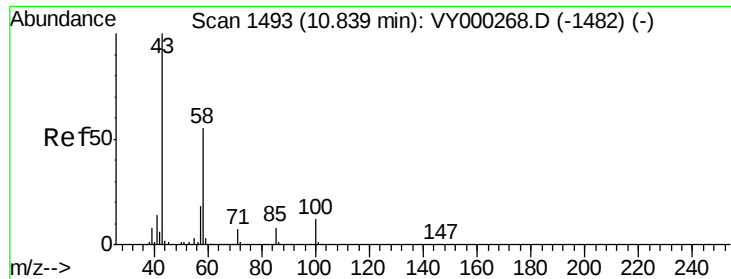
43 100

58 44.2 31.0 46.6



Abundance Ion 43.00 (42.70 to 43.70): VY000322.D (-1319) (-)

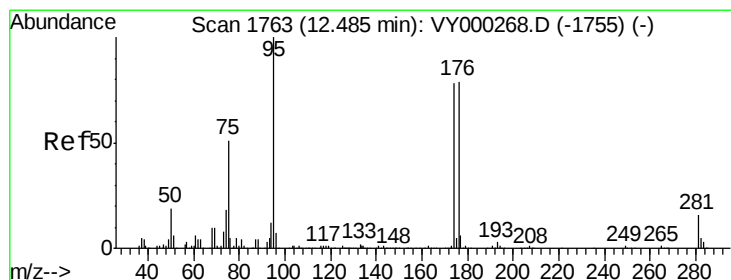
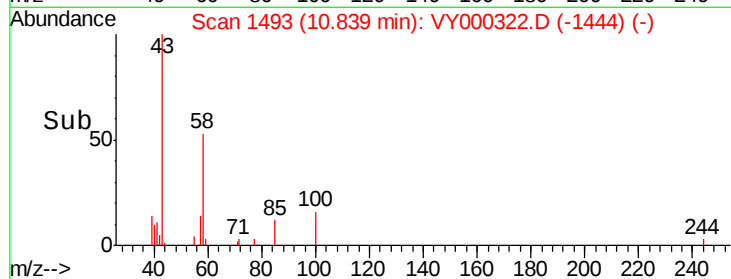
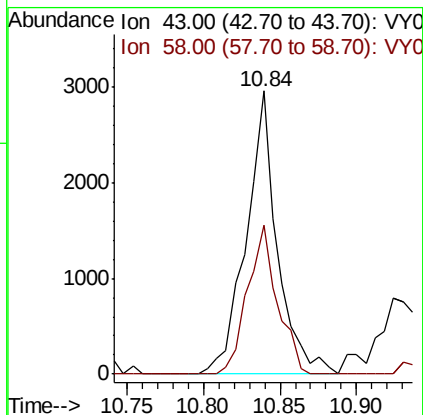
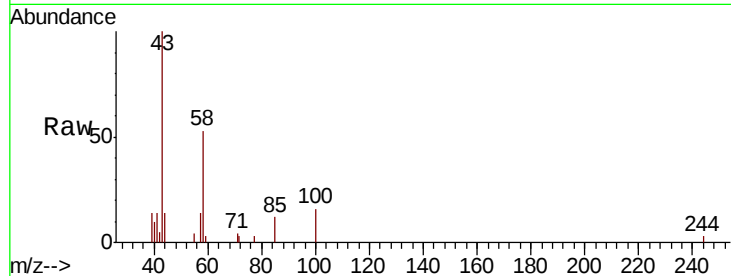




#59
2-Hexanone
Concen: 2.025 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY000322.D
Acq: 16 Oct 2019 12:06

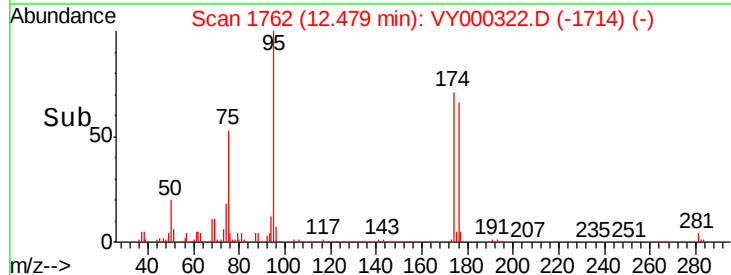
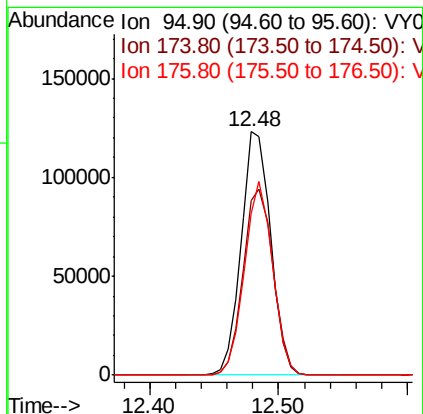
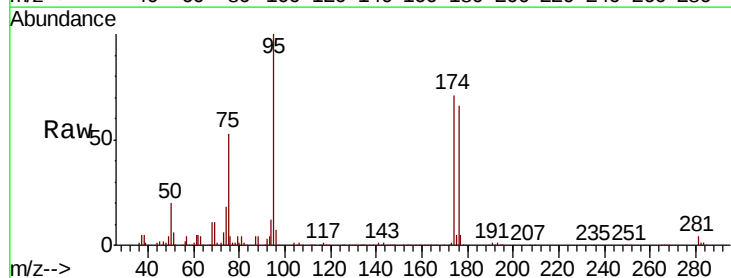
Instrument :
MSVOA_Y
ClientSampleId :

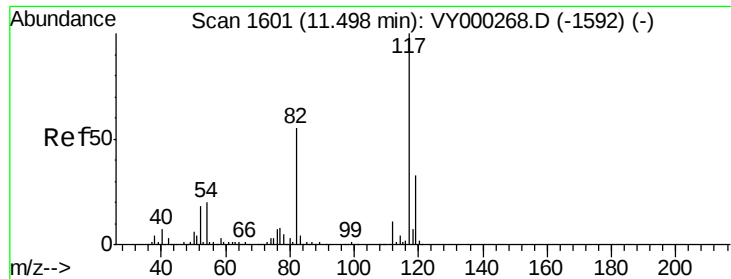
Tot Ion: 43 Resp: 4161
Ion Ratio Lower Upper
43 100
58 50.7 27.7 83.1



#62
4-Bromofluorobenzene
Concen: 42.808 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000322.D
Acq: 16 Oct 2019 12:06

Tgt Ion: 95 Resp: 194339
Ion Ratio Lower Upper
95 100
174 77.8 0.0 159.6
176 75.7 0.0 153.8

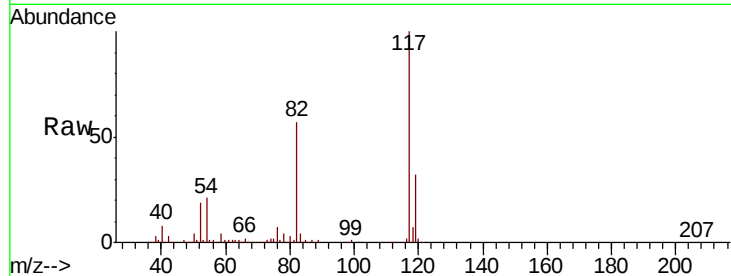




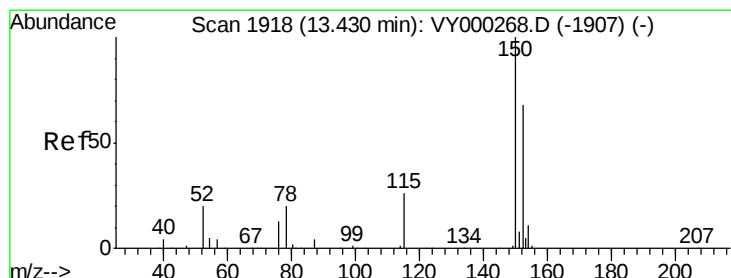
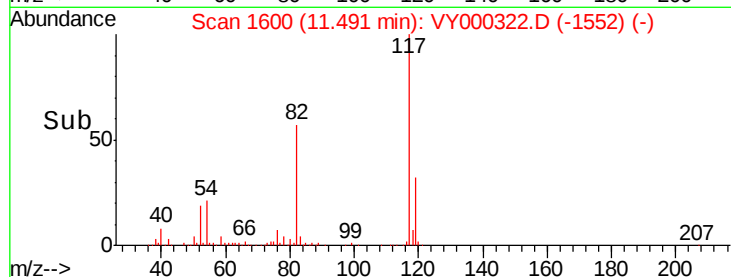
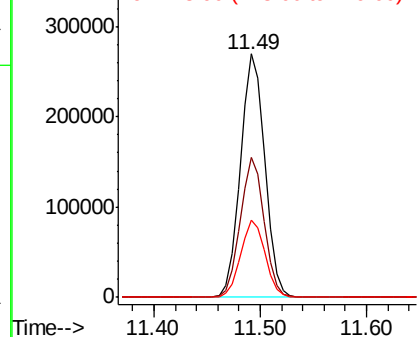
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000322.D
Acq: 16 Oct 2019 12:06

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 432419
Ion Ratio Lower Upper
117 100
82 57.4 43.7 65.5
119 31.7 26.6 39.8

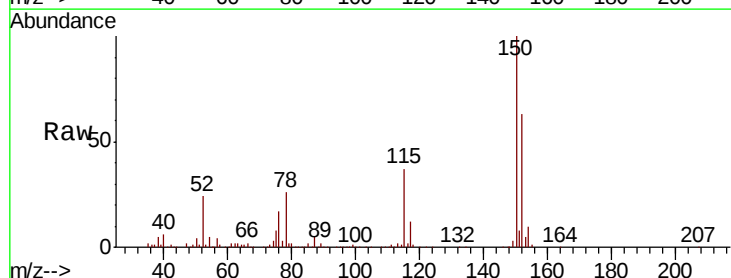


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

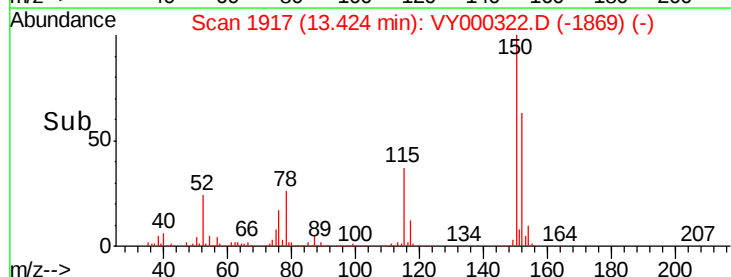
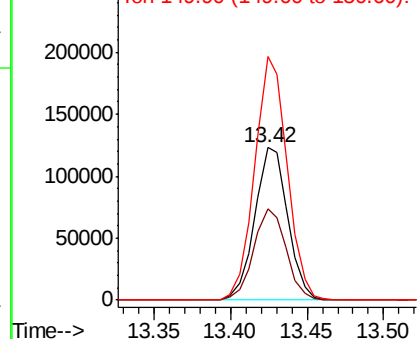


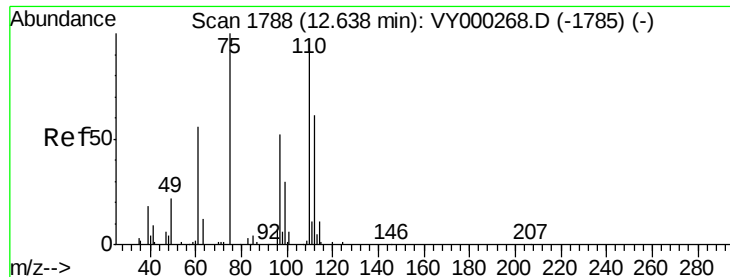
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000322.D
Acq: 16 Oct 2019 12:06

Tgt Ion:152 Resp: 184716
Ion Ratio Lower Upper
152 100
115 59.1 29.3 88.0
150 157.2 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

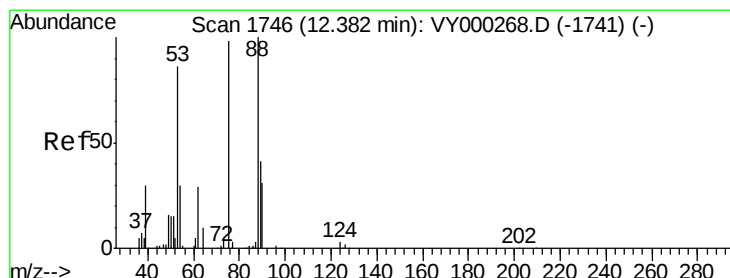
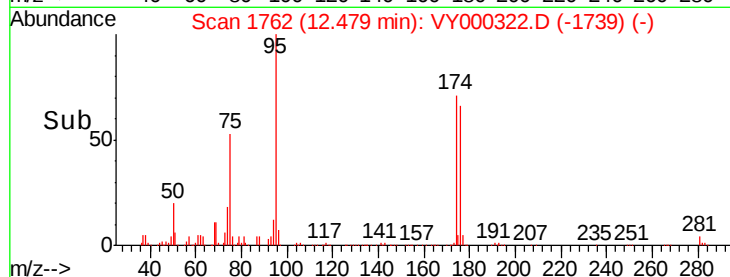
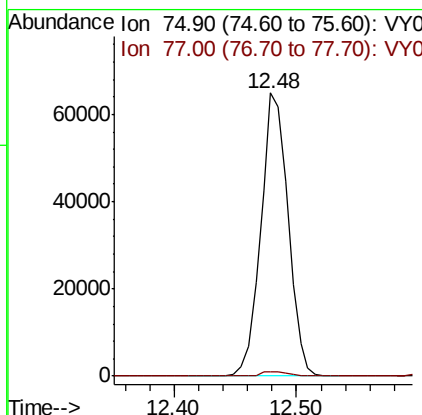
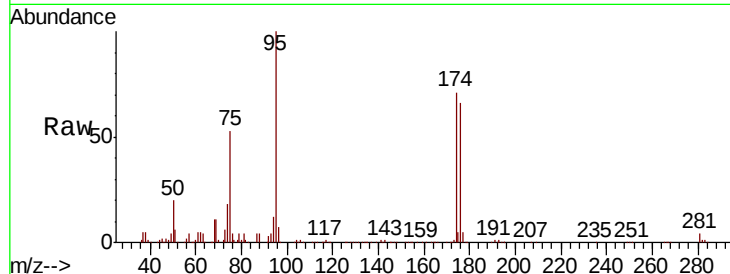




#76
 1,2,3-Trichloropropane
 Concen: 44.558 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.16 min
 Lab File: VY000322.D
 Acq: 16 Oct 2019 12:06

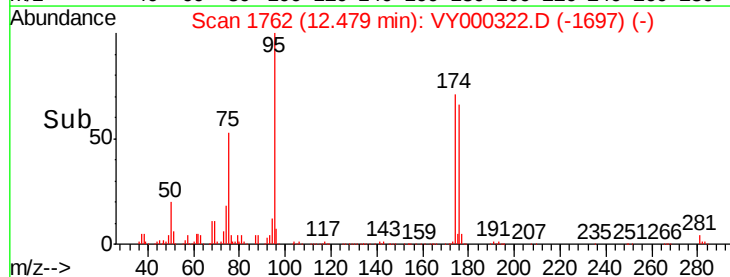
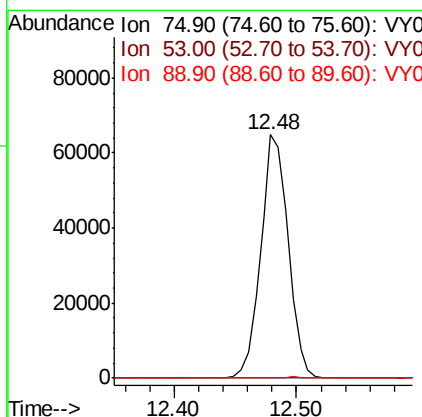
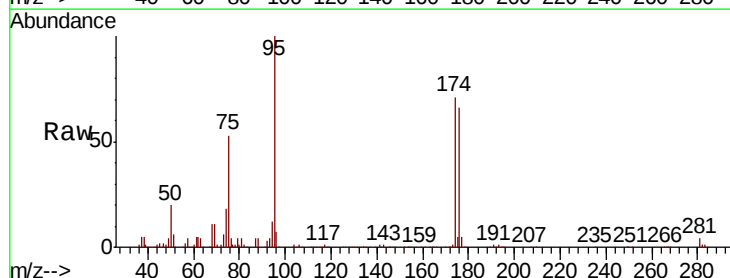
Instrument :
 MSVOA_Y
 ClientSampleId :

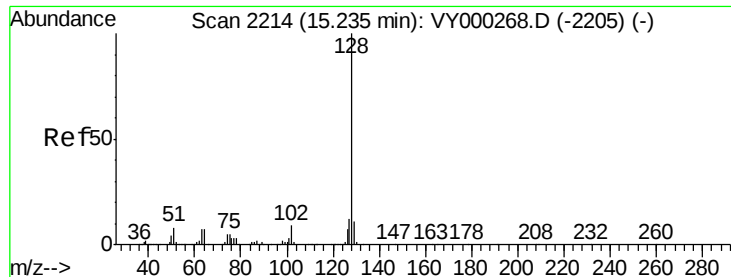
Tot Ion: 75 Resp: 101208
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.491 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY000322.D
 Acq: 16 Oct 2019 12:06

Tgt Ion: 75 Resp: 101208
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.3 106.9#
 89 0.1 35.1 52.7#





#95

Naphthalene

Concen: 1.660 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. 0.01 min

Lab File: VY000322.D

Acq: 16 Oct 2019 12:06

Instrument :

MSVOA_Y

ClientSampleId :

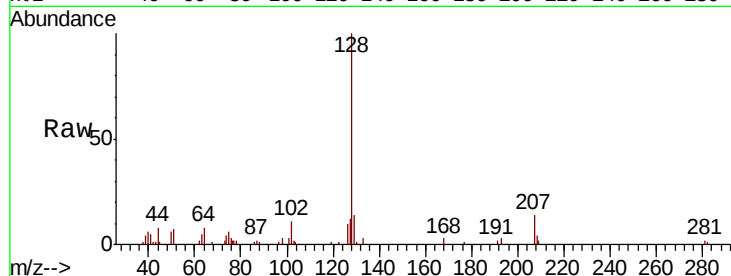
Tot Ion:128 Resp: 14741

Ion Ratio Lower Upper

128 100

127 11.3 9.6 14.4

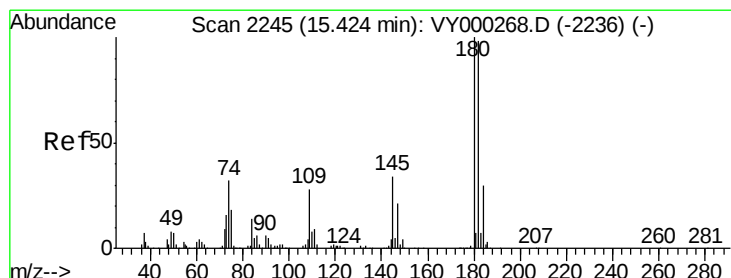
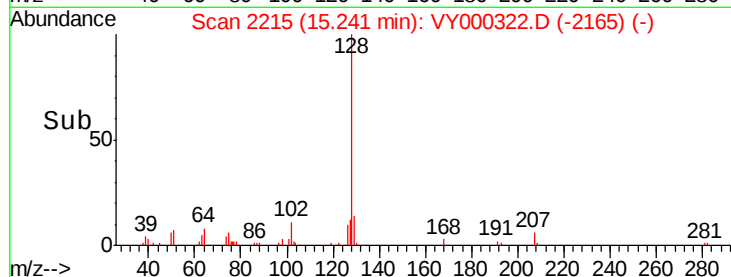
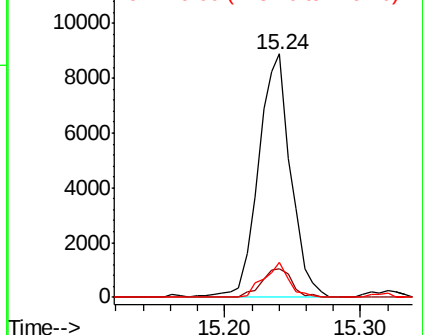
129 11.4 8.7 13.1



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: 1.014 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VY000322.D

Acq: 16 Oct 2019 12:06

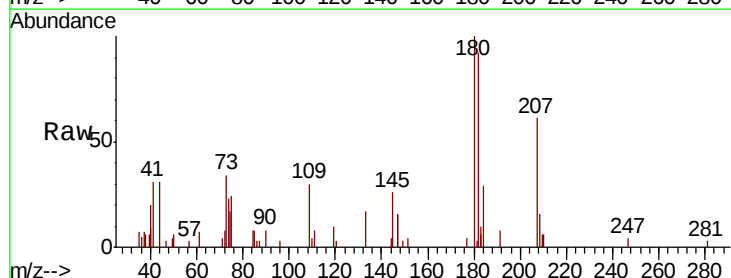
Tgt Ion:180 Resp: 3635

Ion Ratio Lower Upper

180 100

182 84.0 46.5 139.5

145 28.7 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

