

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102519\
 Data File : VY000432.D
 Acq On : 25 Oct 2019 16:29
 Operator : SY/MD
 Sample : K5539-12
 Misc : 6.56G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 26 01:45:58 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

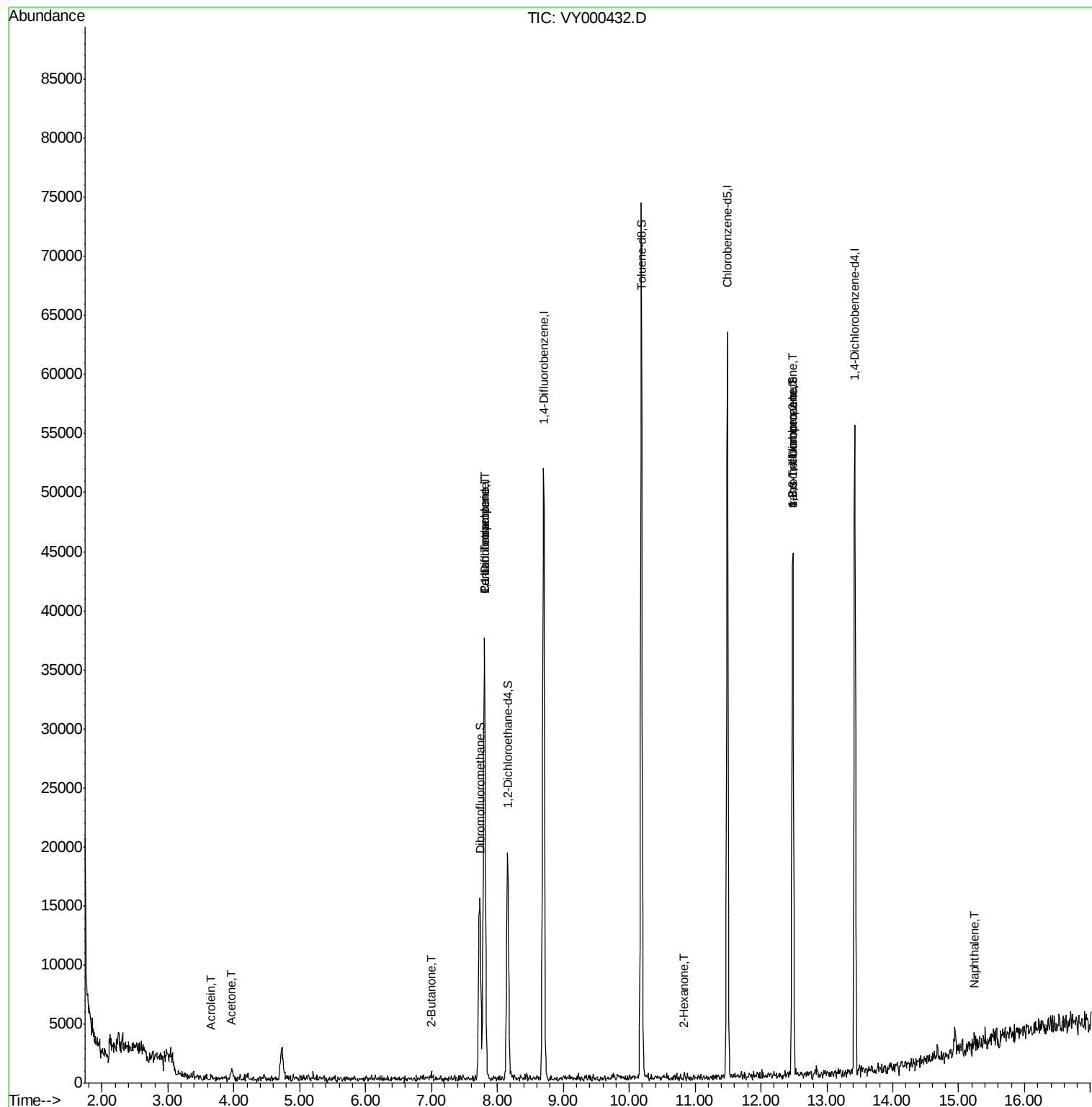
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	29464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	43166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	33013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	13415	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	14308	46.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.08%	
35) Dibromofluoromethane	7.73	113	10919	41.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.86%	
50) Toluene-d8	10.19	98	47239	47.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.32%	
62) 4-Bromofluorobenzene	12.48	95	13162	34.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.18%	
Target Compounds						
					Qvalue	
13) Acrolein	3.65	56	84	2.203	ug/l #	15
16) Acetone	3.96	43	1079	10.720	ug/l	98
25) 2-Butanone	6.99	43	223	1.573	ug/l #	48
36) 1,1-Dichloropropene	7.80	75	1232	2.915	ug/l #	52
38) Carbon Tetrachloride	7.81	117	2819	6.889	ug/l #	17
59) 2-Hexanone	10.84	43	241	1.399	ug/l #	24
76) 1,2,3-Trichloropropane	12.49	75	7265	44.041	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	7265	96.361	ug/l #	14
95) Naphthalene	15.23	128	688	1.067	ug/l #	81

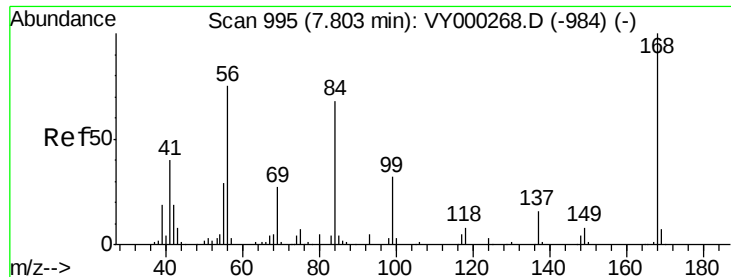
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000432.D

Acq: 25 Oct 2019 16:29

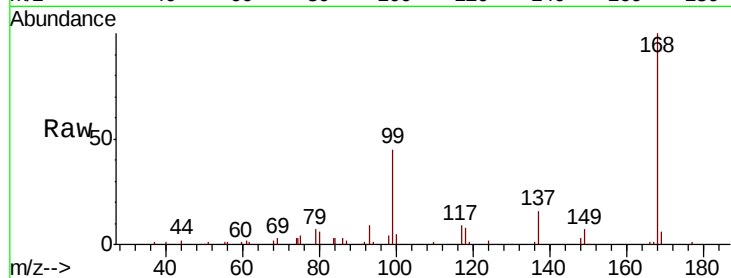
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 29464

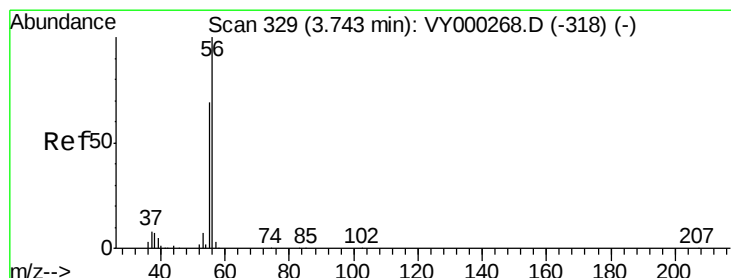
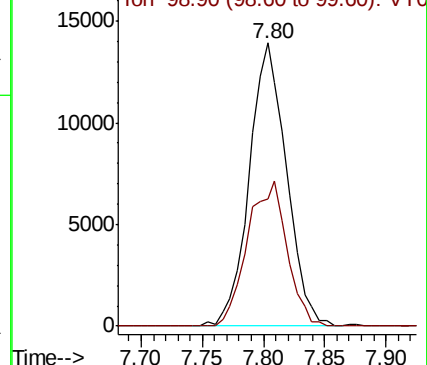
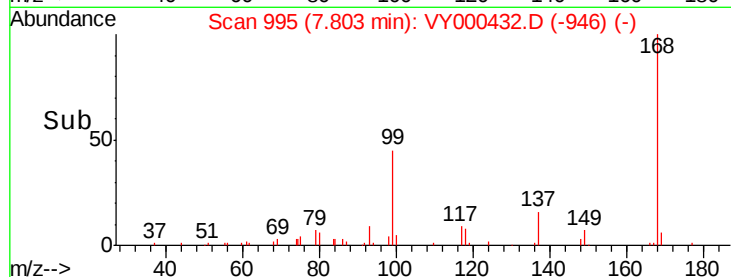
Ion Ratio Lower Upper

168 100

99 45.0 46.6 69.8#



Abundance Ion 167.90 (167.60 to 168.60): VY000432.D (-946) (-)



#13

Acrolein

Concen: 2.203 ug/l

RT: 3.65 min Scan# 313

Delta R.T. -0.10 min

Lab File: VY000432.D

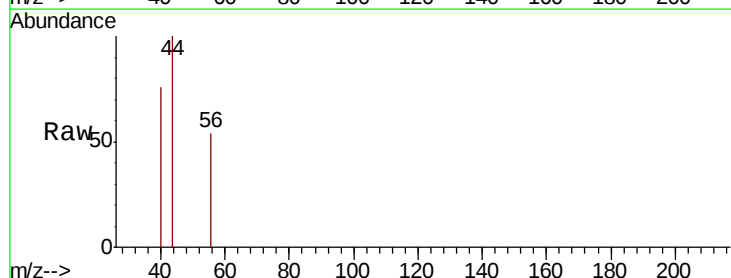
Acq: 25 Oct 2019 16:29

Tgt Ion: 56 Resp: 84

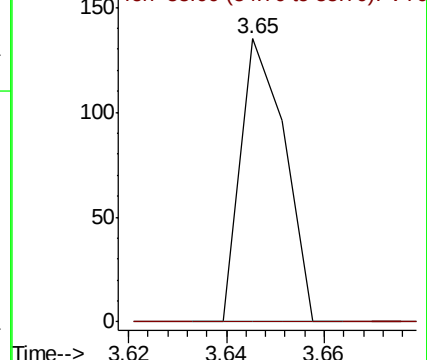
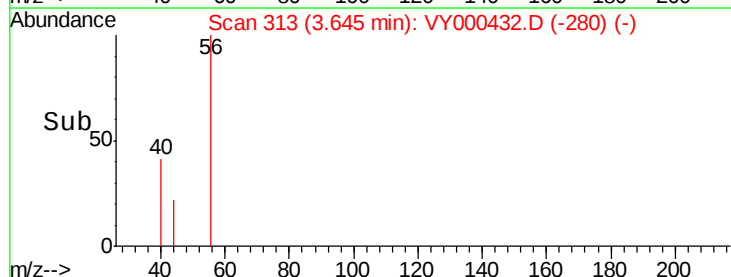
Ion Ratio Lower Upper

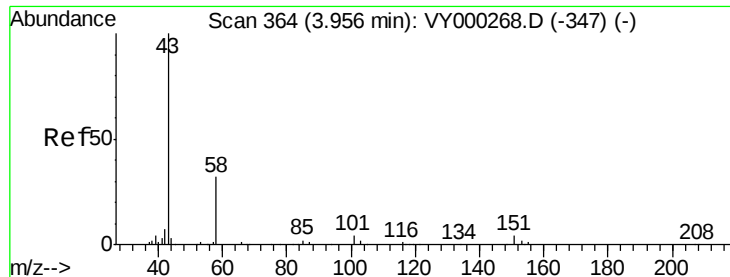
56 100

55 0.0 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VY000432.D (-280) (-)





#16

Acetone

Concen: 10.720 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000432.D

Acq: 25 Oct 2019 16:29

Instrument :

MSVOA_Y

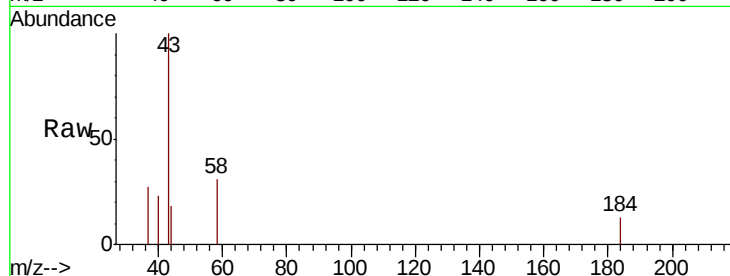
ClientSampled :

Tot Ion: 43 Resp: 1079

Ion Ratio Lower Upper

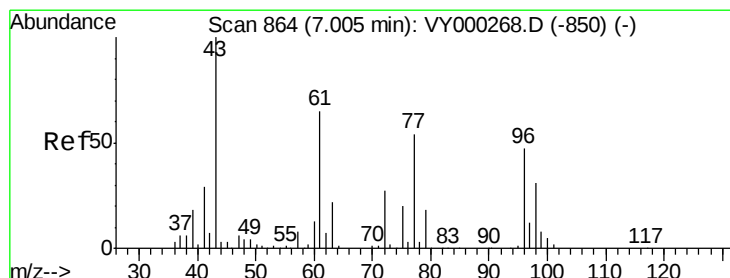
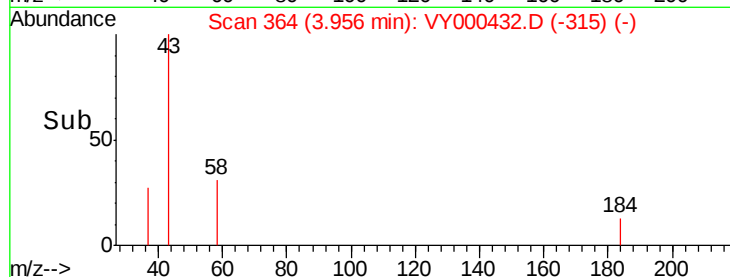
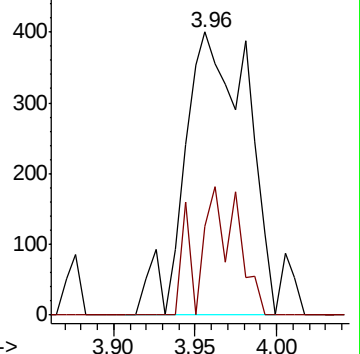
43 100

58 31.3 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: 1.573 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY000432.D

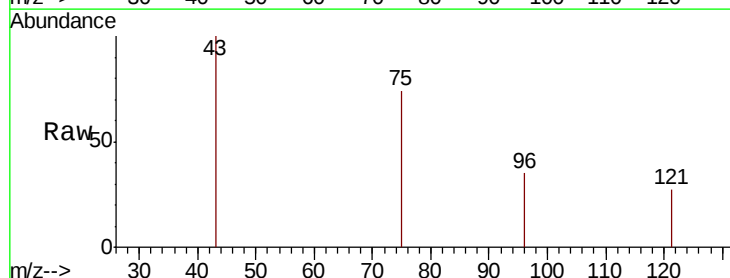
Acq: 25 Oct 2019 16:29

Tgt Ion: 43 Resp: 223

Ion Ratio Lower Upper

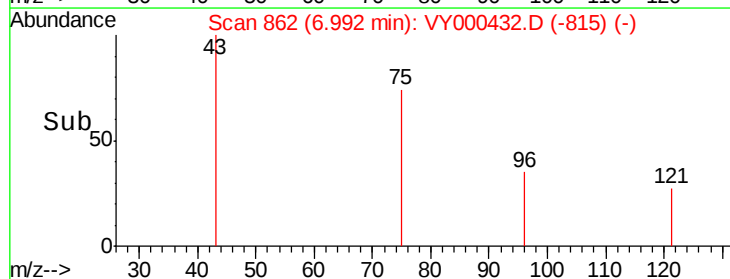
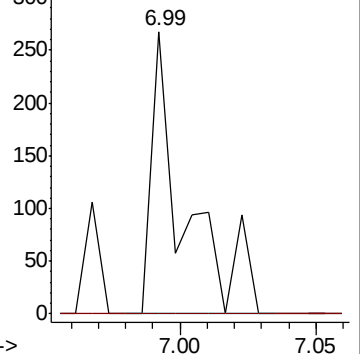
43 100

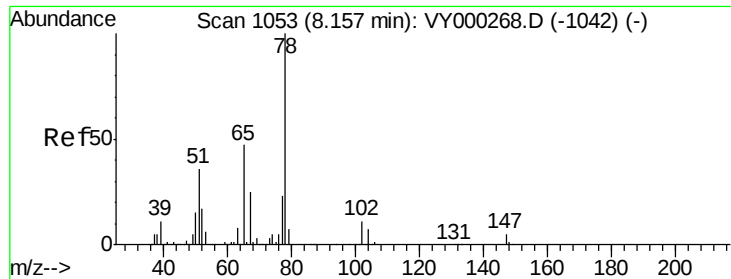
72 0.0 21.4 32.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 46.036 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY000432.D

Acq: 25 Oct 2019 16:29

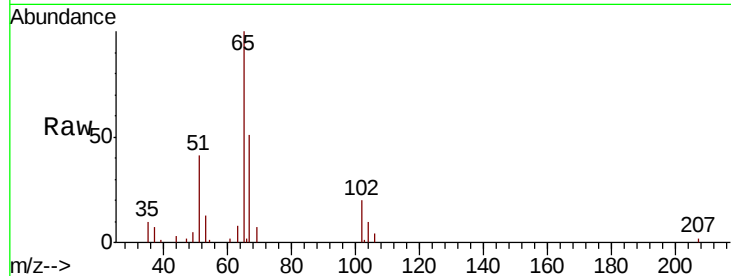
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 65 Resp: 14308

Ion Ratio Lower Upper

65 100

67 55.0 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.16

6000

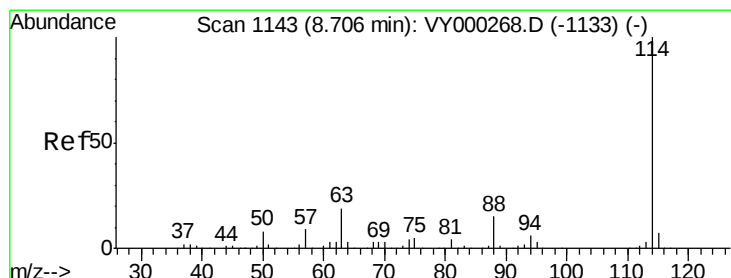
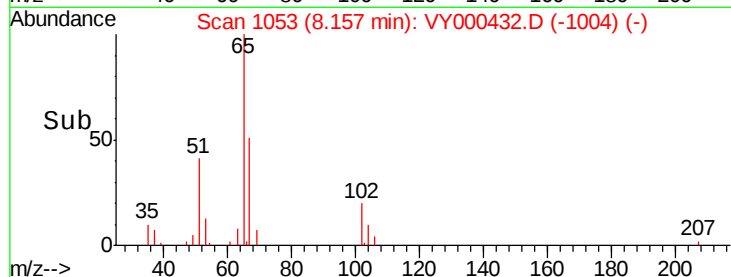
4000

2000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000432.D

Acq: 25 Oct 2019 16:29

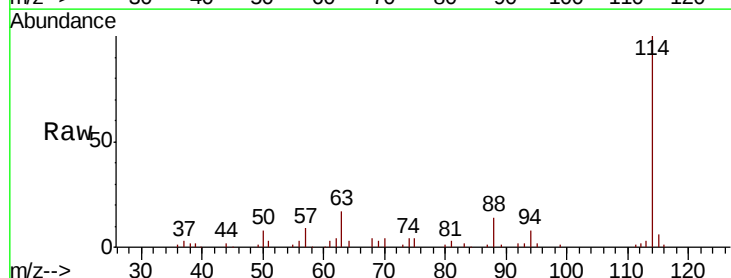
Tgt Ion: 114 Resp: 43166

Ion Ratio Lower Upper

114 100

63 17.0 0.0 37.2

88 14.2 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

8.70

30000

25000

20000

15000

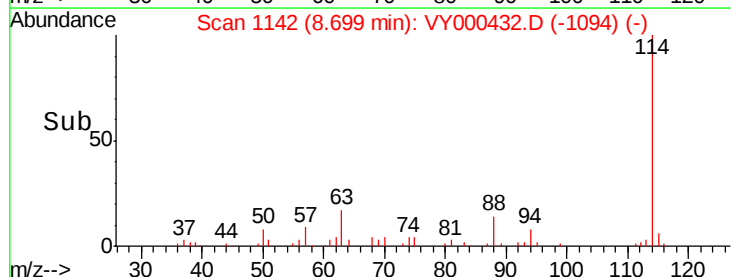
10000

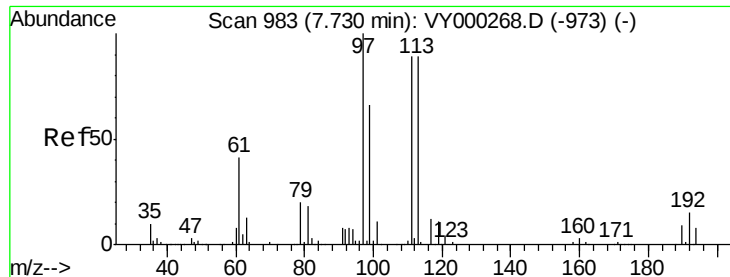
5000

0

8.60 8.65 8.70 8.75 8.80

Time-->

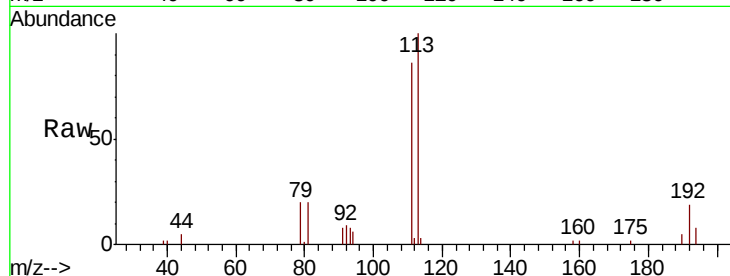




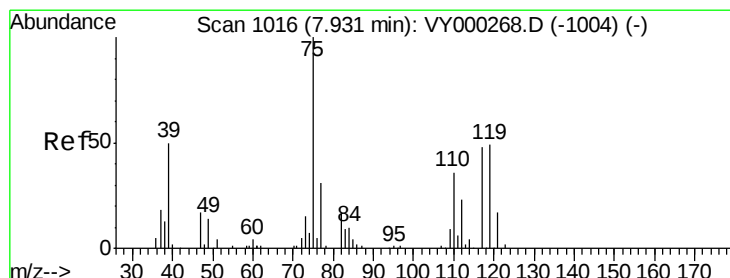
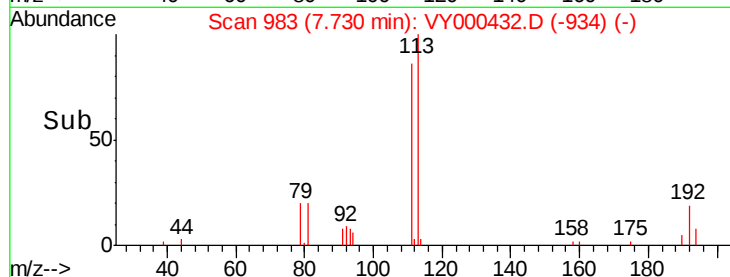
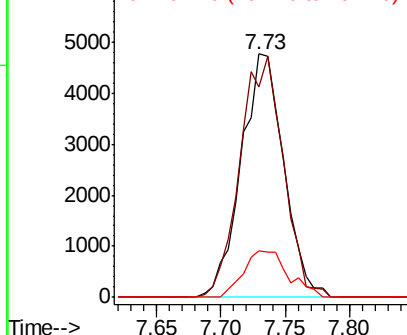
#35
 Dibromofluoromethane
 Concen: 41.935 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000432.D
 Acq: 25 Oct 2019 16:29

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 10919
 Ion Ratio Lower Upper
 113 100
 111 100.4 81.6 122.4
 192 19.9 15.3 22.9

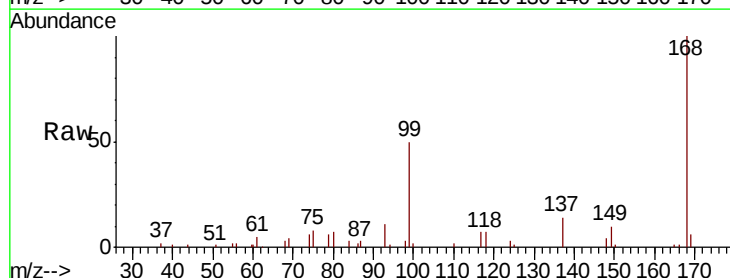


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

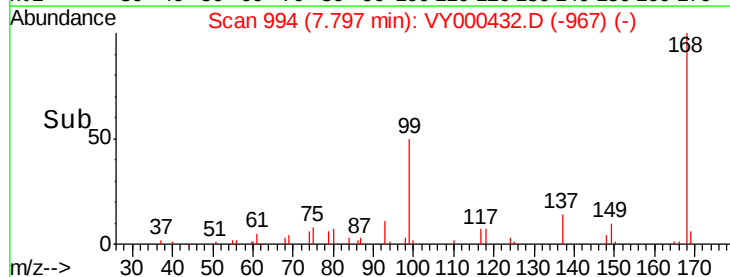
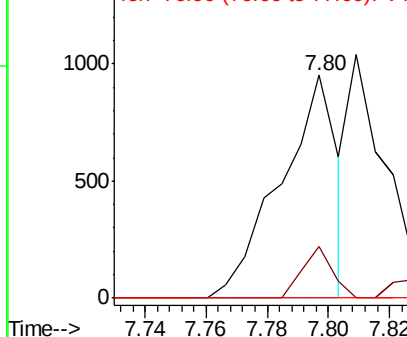


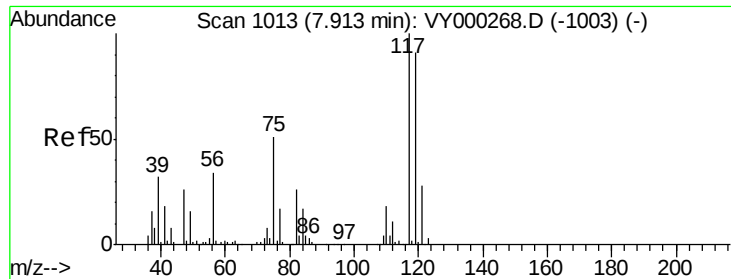
#36
 1,1-Dichloropropene
 Concen: 2.915 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000432.D
 Acq: 25 Oct 2019 16:29

Tgt Ion: 75 Resp: 1232
 Ion Ratio Lower Upper
 75 100
 110 12.3 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

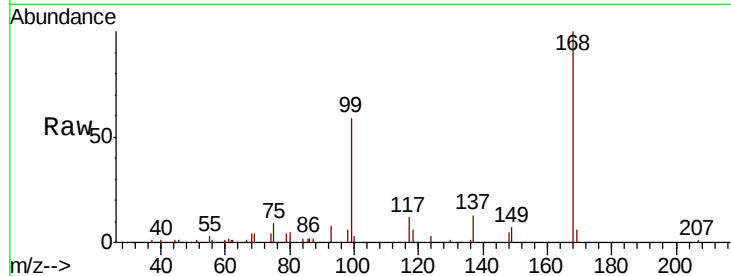




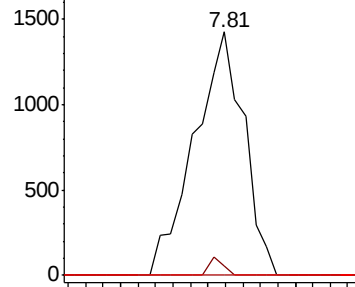
#38
Carbon Tetrachloride
Concen: 6.889 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.10 min
Lab File: VY000432.D
Acq: 25 Oct 2019 16:29

Instrument :
MSVOA_Y
ClientSampleId :

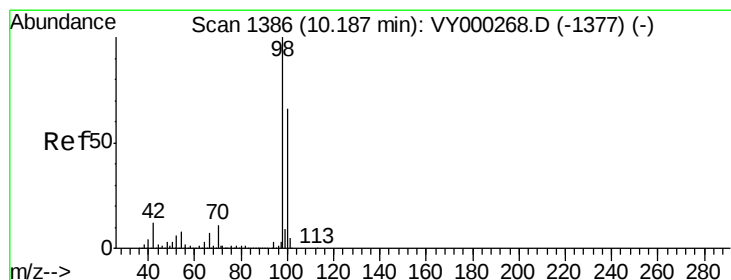
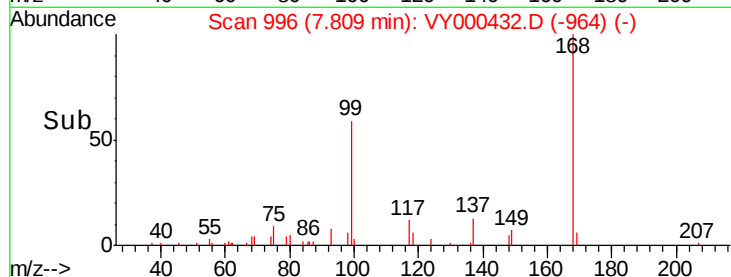
Tot Ion:117 Resp: 2819
Ion Ratio Lower Upper
117 100
119 3.9 72.8 109.2#
121 0.0 22.2 33.2#



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

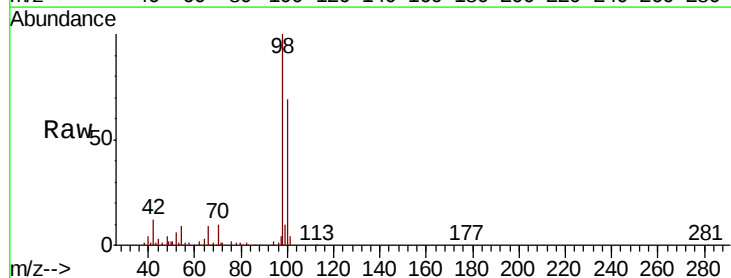


Time-->

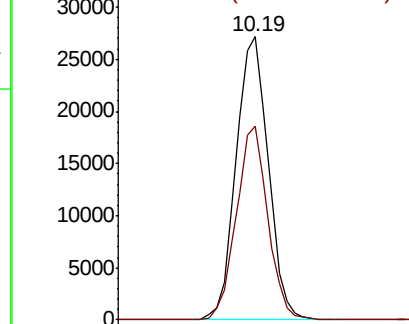


#50
Toluene-d8
Concen: 47.163 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000432.D
Acq: 25 Oct 2019 16:29

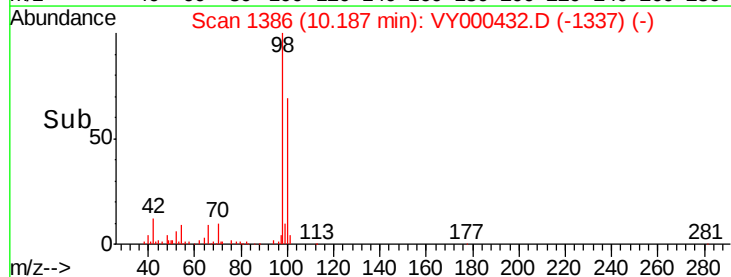
Tgt Ion: 98 Resp: 47239
Ion Ratio Lower Upper
98 100
100 67.1 52.8 79.2

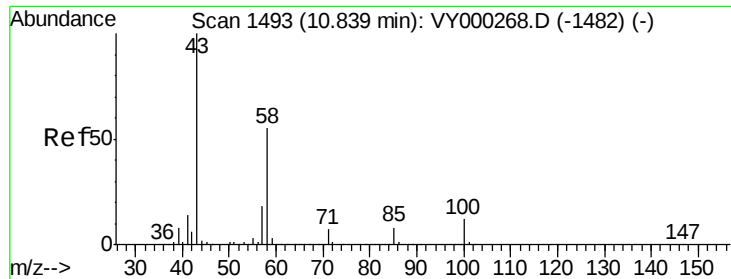


Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY



Time-->

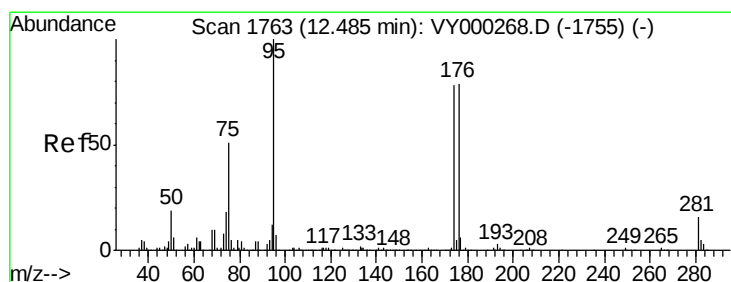
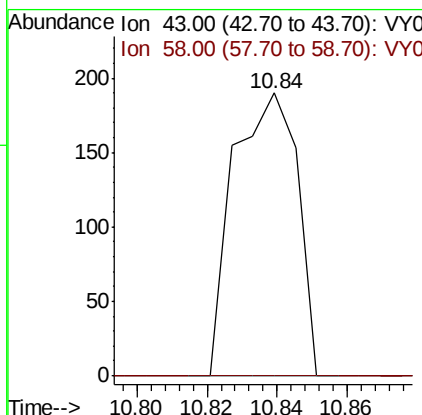
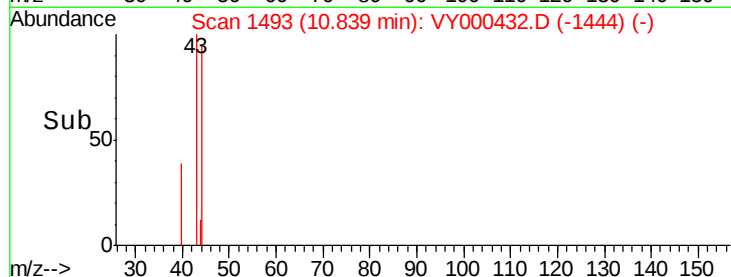
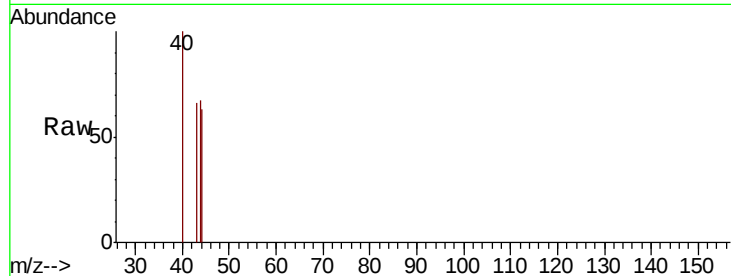




#59
2-Hexanone
Concen: 1.399 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY000432.D
Acq: 25 Oct 2019 16:29

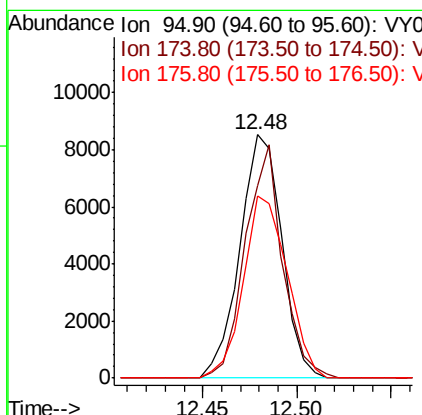
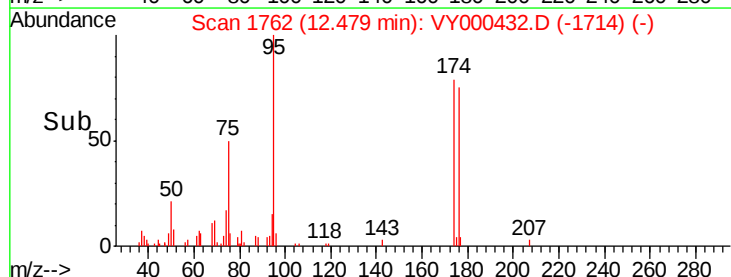
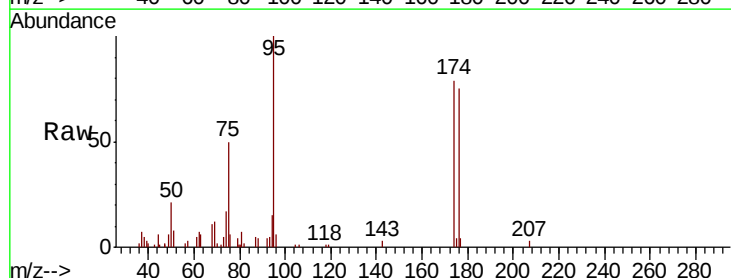
Instrument :
MSVOA_Y
ClientSampleId :

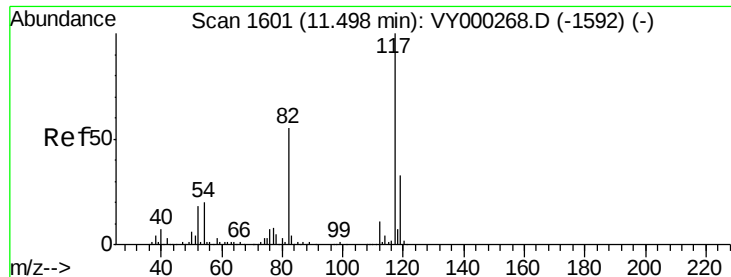
Tot Ion: 43 Resp: 241
Ion Ratio Lower Upper
43 100
58 0.0 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 34.589 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000432.D
Acq: 25 Oct 2019 16:29

Tgt Ion: 95 Resp: 13162
Ion Ratio Lower Upper
95 100
174 85.0 0.0 159.6
176 78.1 0.0 153.8

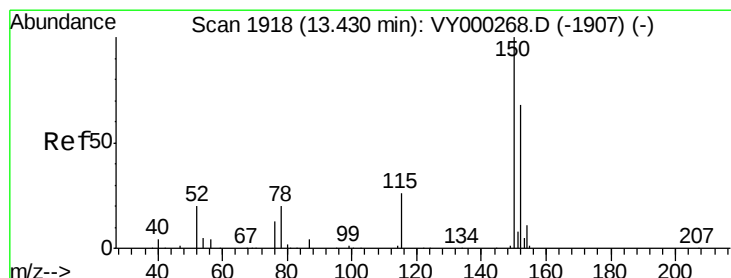
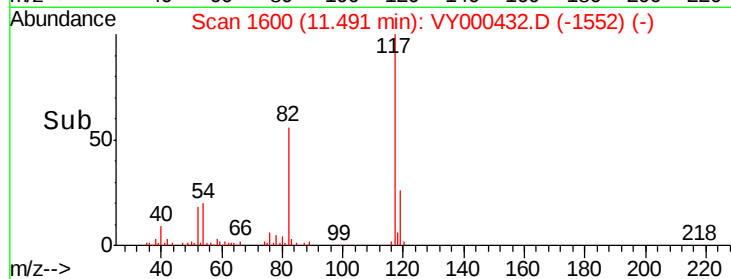
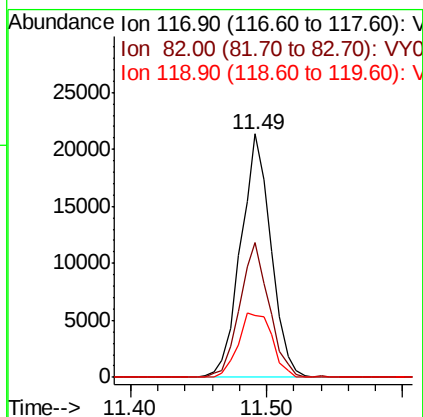
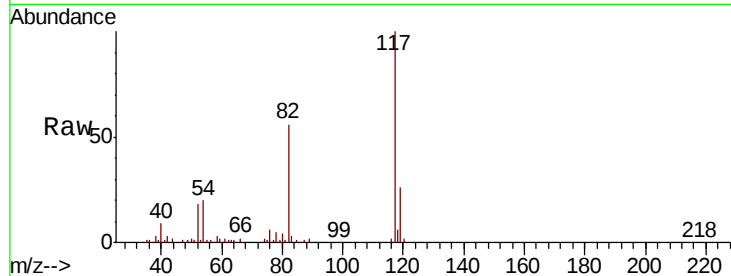




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000432.D
Acq: 25 Oct 2019 16:29

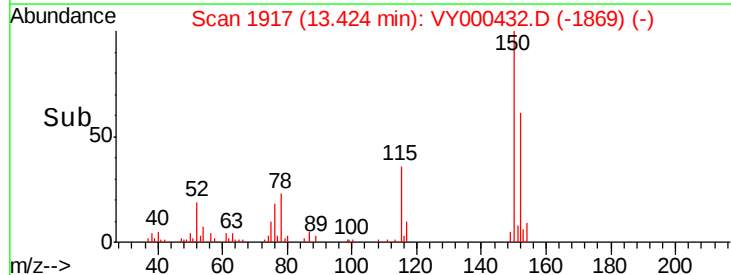
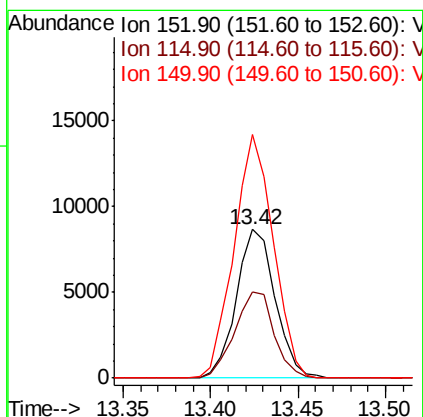
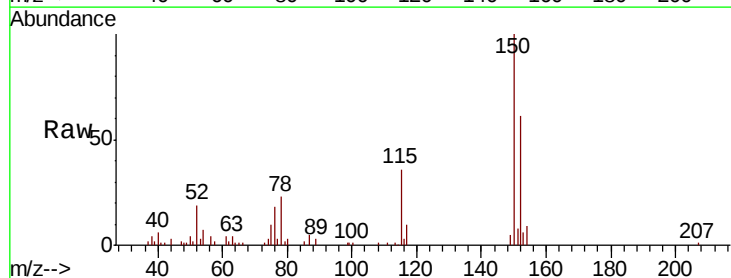
Instrument :
MSVOA_Y
ClientSampleId :

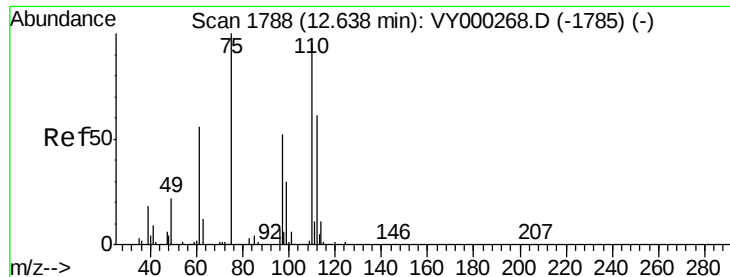
Tot Ion:117 Resp: 33013
Ion Ratio Lower Upper
117 100
82 55.6 43.7 65.5
119 25.6 26.6 39.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000432.D
Acq: 25 Oct 2019 16:29

Tgt Ion:152 Resp: 13415
Ion Ratio Lower Upper
152 100
115 58.6 29.3 88.0
150 165.4 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 44.041 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY000432.D

Acq: 25 Oct 2019 16:29

Instrument :

MSVOA_Y

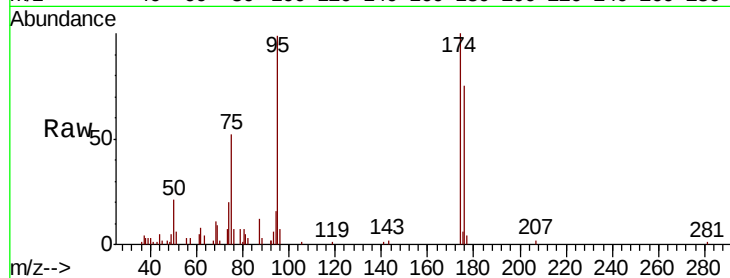
ClientSampleId :

Tot Ion: 75 Resp: 7265

Ion Ratio Lower Upper

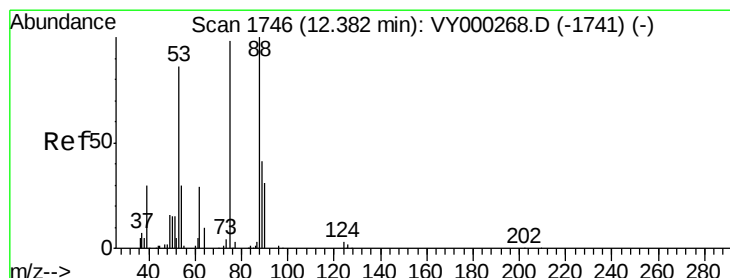
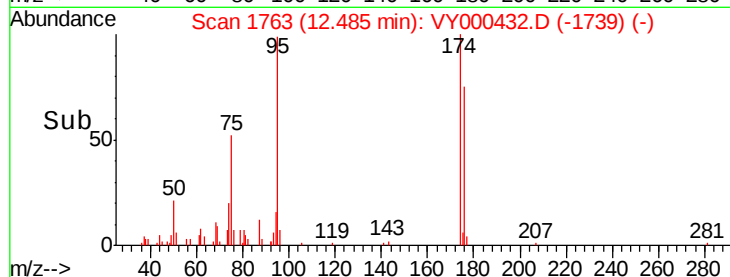
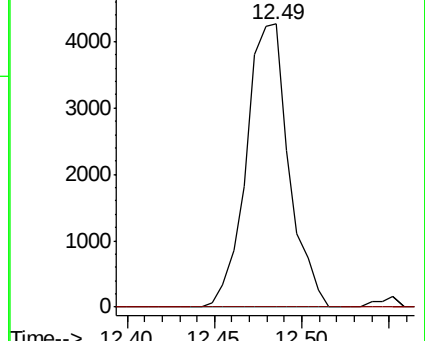
75 100

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: 96.361 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY000432.D

Acq: 25 Oct 2019 16:29

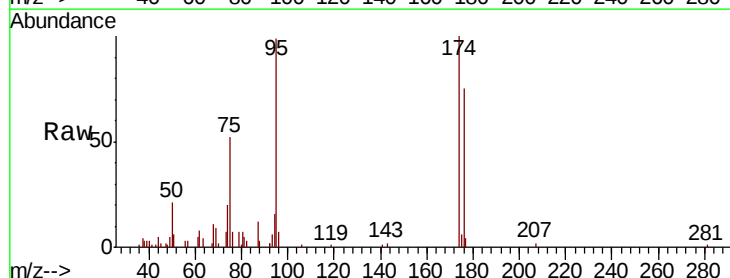
Tgt Ion: 75 Resp: 7265

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

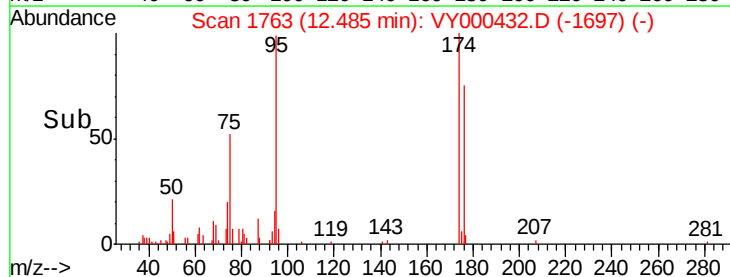
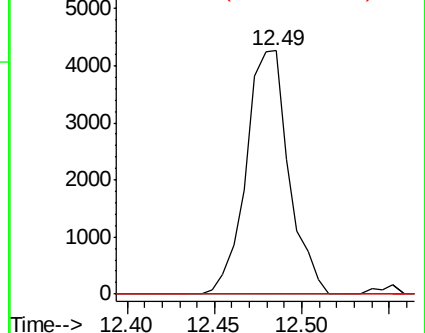
89 0.0 35.1 52.7#

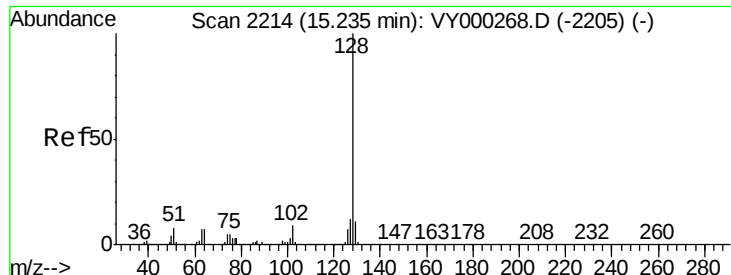


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

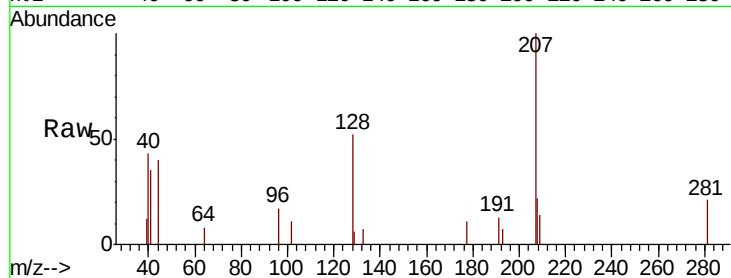




#95
 Naphthalene
 Concen: 1.067 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VY000432.D
 Acq: 25 Oct 2019 16:29

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:128 Resp: 688
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.6 14.4#
 129 12.9 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

