

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102919\
 Data File : VY000464.D
 Acq On : 29 Oct 2019 11:03
 Operator : SY/MD
 Sample : VY1029SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 30 07:16:25 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	204799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	354024	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	323858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	144987	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	123449	57.14	ug/l	0.00
Spiked Amount			Recovery	=	114.28%	
35) Dibromofluoromethane	7.73	113	105433	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
50) Toluene-d8	10.18	98	416076	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.48	95	139264	44.62	ug/l	0.00
Spiked Amount			Recovery	=	89.24%	

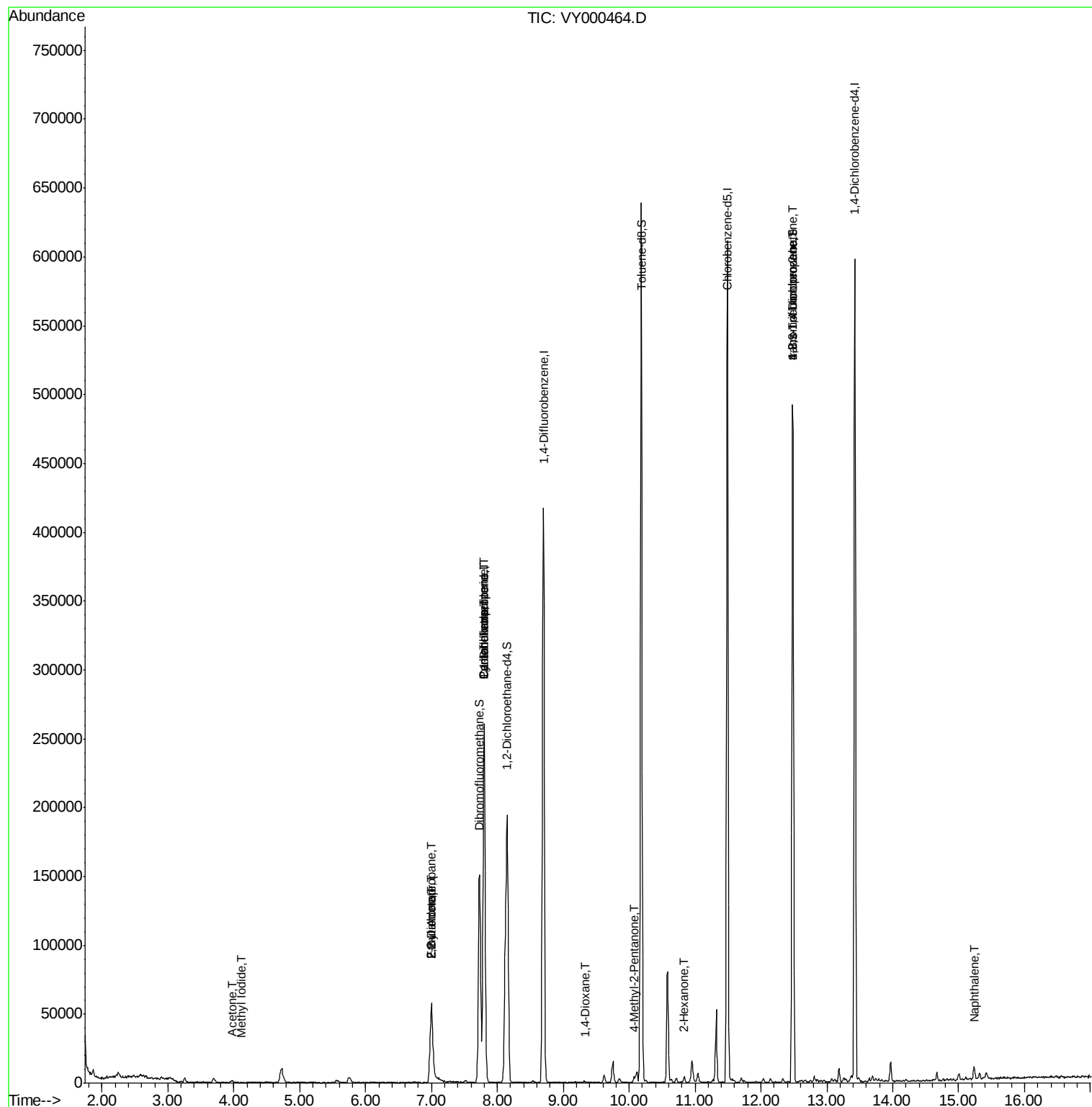
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	248	Below Cal	#	41
10) Methyl Iodide	4.10	142	149	1.235	ug/l #	41
16) Acetone	3.97	43	2812	4.019	ug/l #	75
20) Methylene Chloride	4.72	84	7496	Below Cal		85
25) 2-Butanone	7.00	43	3699	3.753	ug/l #	64
26) 2,2-Dichloropropane	6.99	77	3790	1.039	ug/l #	52
31) Cyclohexane	7.80	56	4771	1.154	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	16516	4.765	ug/l #	48
37) Ethyl Acetate	7.00	43	3699	1.802	ug/l #	14
38) Carbon Tetrachloride	7.79	117	20478	6.102	ug/l #	18
49) 1,4-Dioxane	9.33	88	37	1.796	ug/l #	24
51) 4-Methyl-2-Pentanone	10.08	43	3098	1.539	ug/l #	83
59) 2-Hexanone	10.83	43	2992	2.118	ug/l	86
76) 1,2,3-Trichloropropane	12.48	75	74645	41.868	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	74645	91.607	ug/l #	14
95) Naphthalene	15.23	128	7164	1.028	ug/l #	94

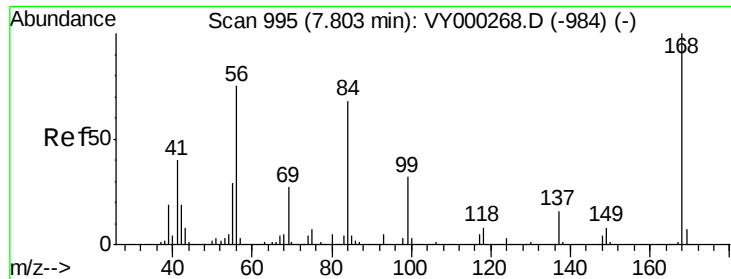
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000464.D

Acq: 29 Oct 2019 11:03

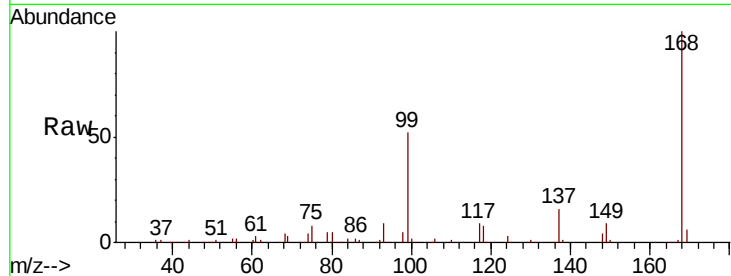
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 204799

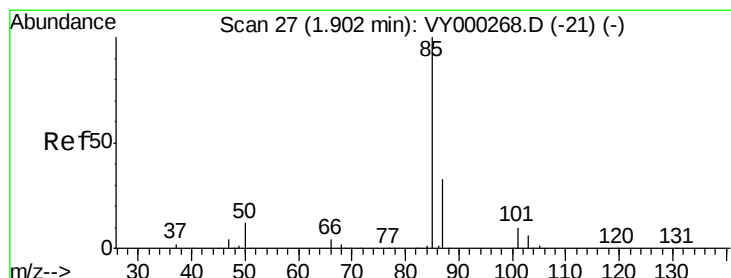
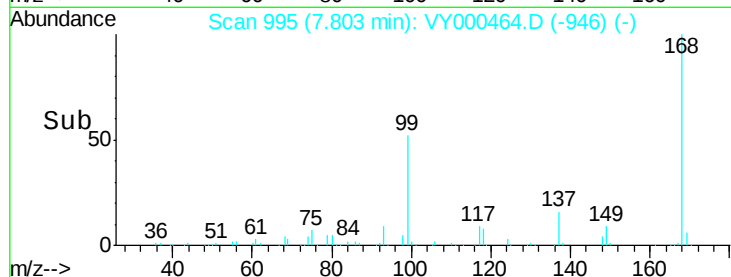
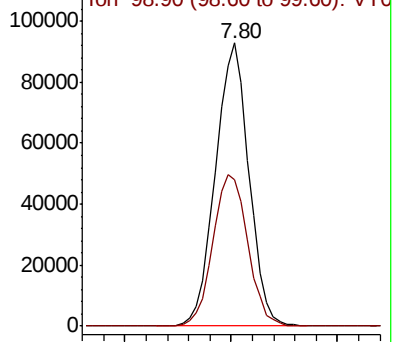
Ion Ratio Lower Upper

168 100

99 51.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000464.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000464.D

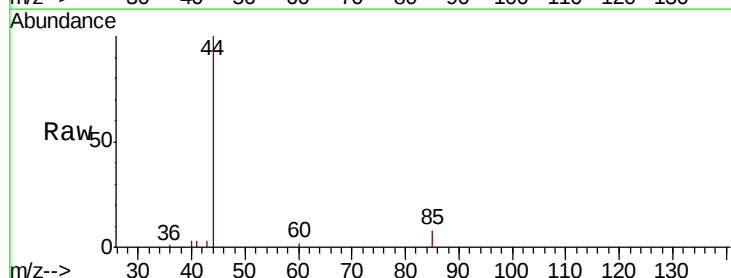
Acq: 29 Oct 2019 11:03

Tgt Ion: 85 Resp: 248

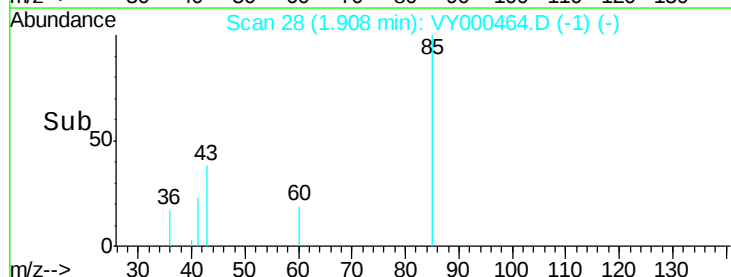
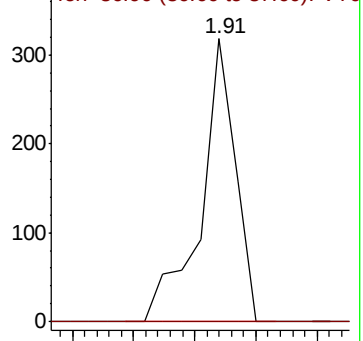
Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000464.D (-1) (-)

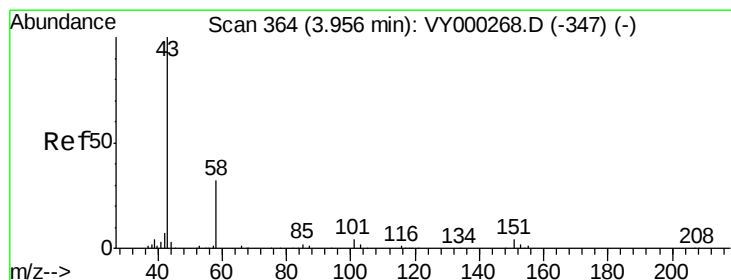
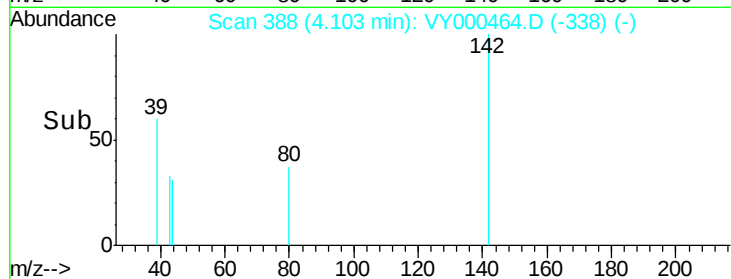
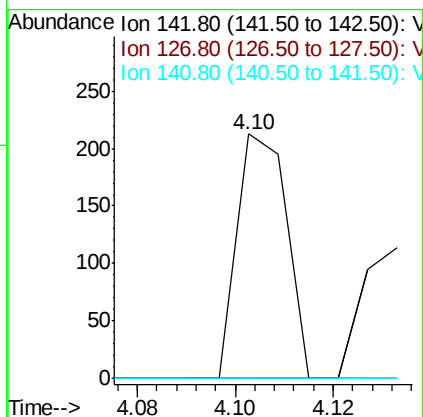
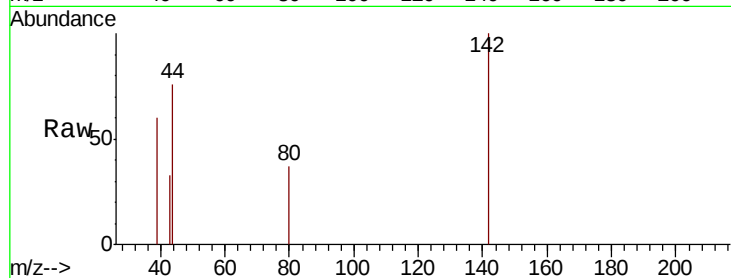




#10
Methvl Iodide
Concen: 1.235 ug/l
RT: 4.10 min Scan# 388
Delta R.T. 0.01 min
Lab File: VY000464.D
Acq: 29 Oct 2019 11:03

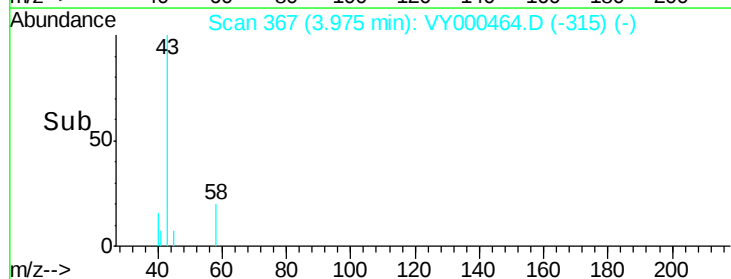
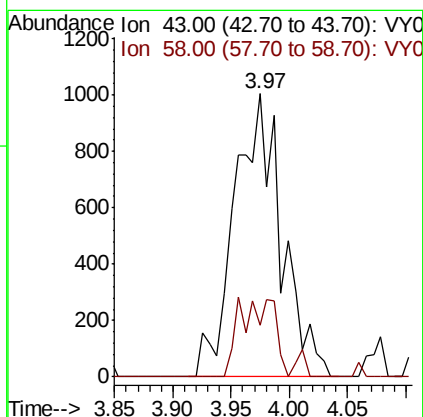
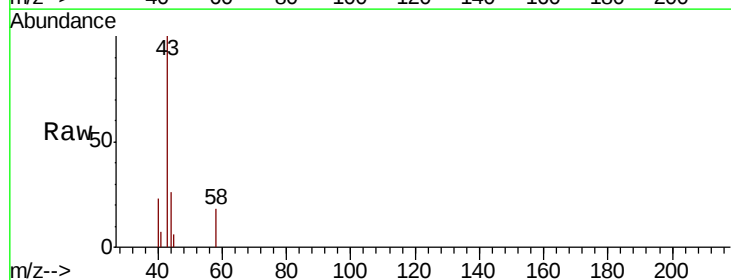
Instrument :
MSVOA_Y
ClientSampleId :

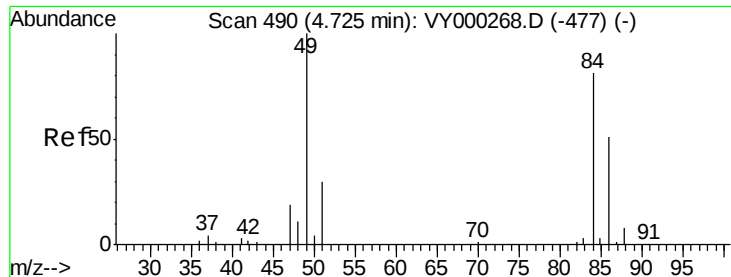
Tot Ion:142 Resp: 149
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.2 16.8#



#16
Acetone
Concen: 4.019 ug/l
RT: 3.97 min Scan# 367
Delta R.T. 0.02 min
Lab File: VY000464.D
Acq: 29 Oct 2019 11:03

Tgt Ion: 43 Resp: 2812
Ion Ratio Lower Upper
43 100
58 18.3 25.8 38.6#

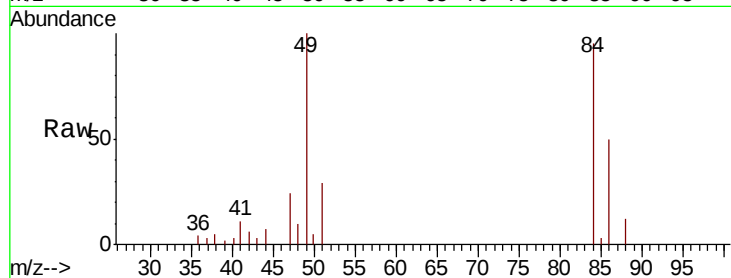




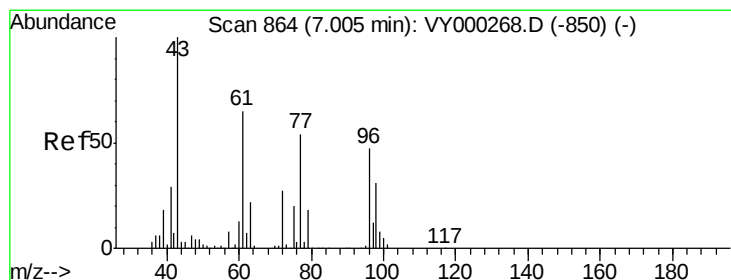
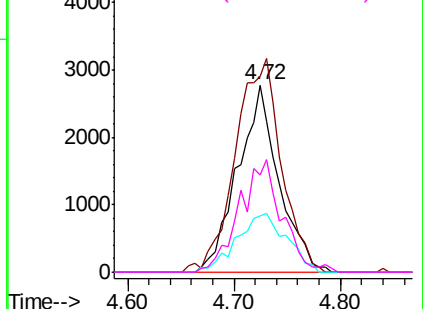
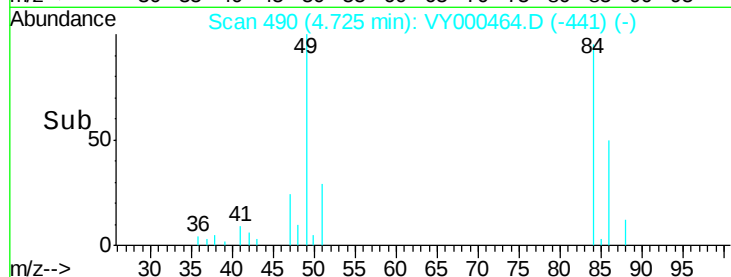
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000464.D
Acq: 29 Oct 2019 11:03

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 7496
Ion Ratio Lower Upper
84 100
49 104.7 99.0 148.4
51 30.2 29.3 43.9
86 52.1 50.2 75.4

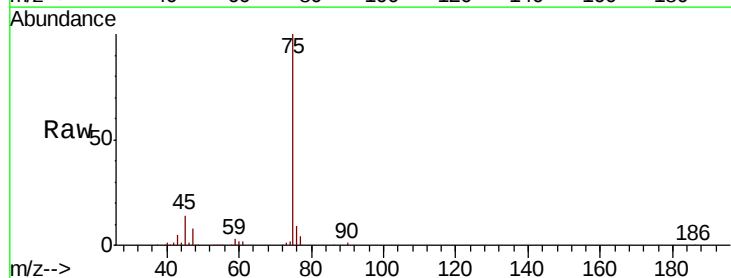


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

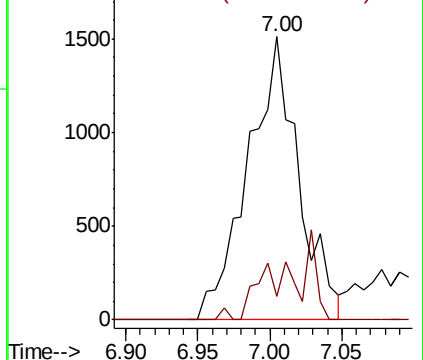
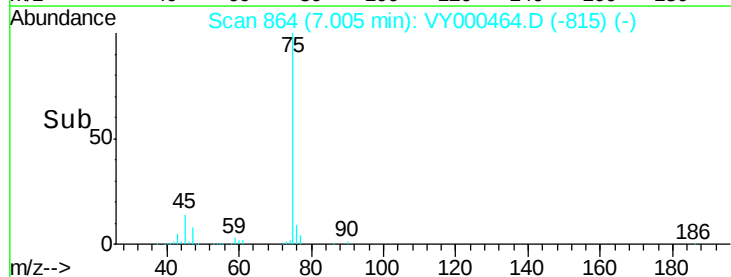


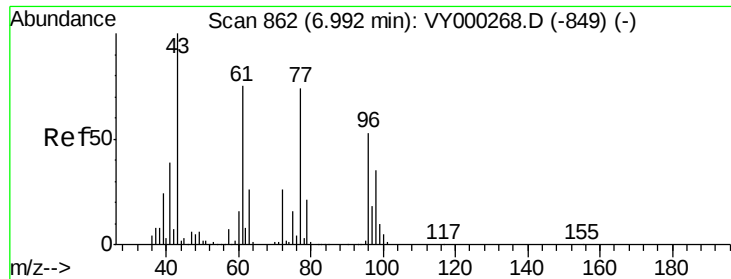
#25
2-Butanone
Concen: 3.753 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.00 min
Lab File: VY000464.D
Acq: 29 Oct 2019 11:03

Tgt Ion: 43 Resp: 3699
Ion Ratio Lower Upper
43 100
72 8.2 21.4 32.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0





#26

2,2-Dichloropropane

Concen: 1.039 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY000464.D

Acq: 29 Oct 2019 11:03

Instrument :

MSVOA_Y

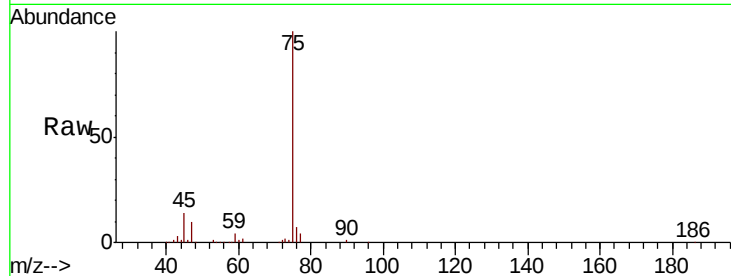
ClientSampleId :

Tot Ion: 77 Resp: 3790

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.7#



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

6.99

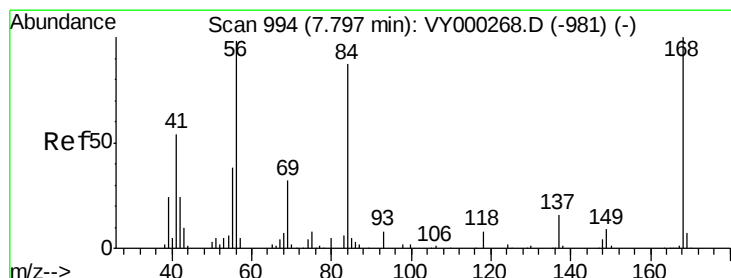
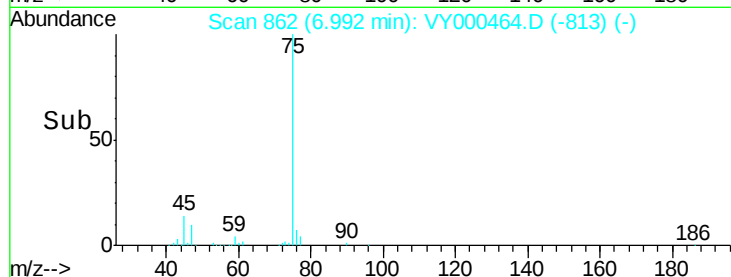
1500

1000

500

0

Time--> 6.90 6.95 7.00 7.05



#31

Cyclohexane

Concen: 1.154 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY000464.D

Acq: 29 Oct 2019 11:03

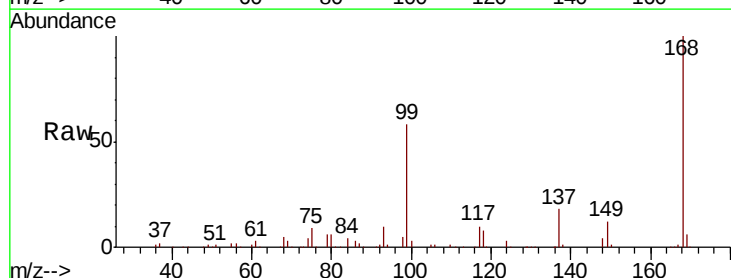
Tgt Ion: 56 Resp: 4771

Ion Ratio Lower Upper

56 100

69 145.6 26.3 39.5#

84 161.5 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

4000

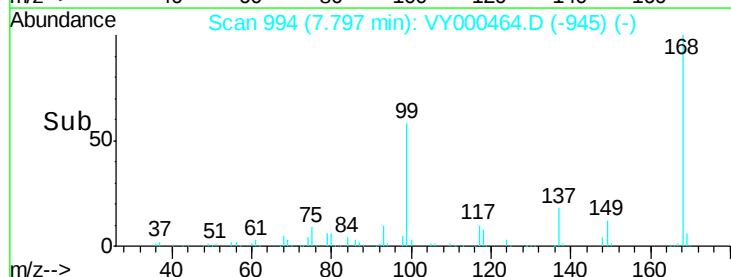
3000

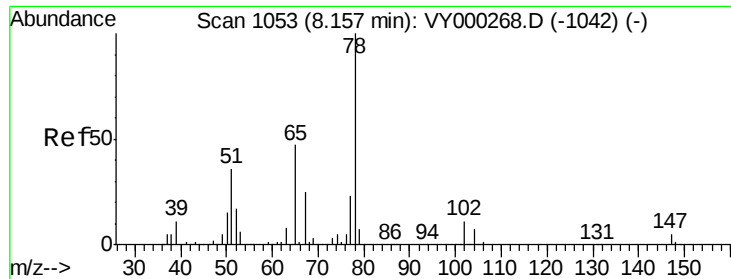
2000

1000

0

Time--> 7.70 7.75 7.80 7.85

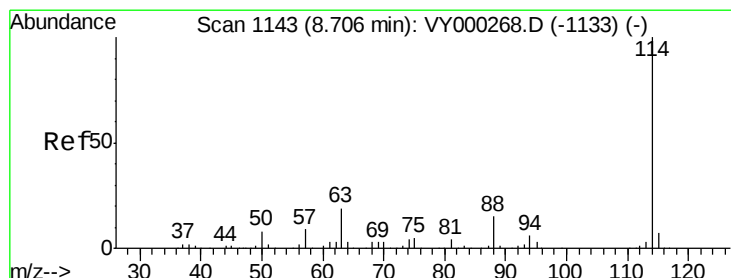
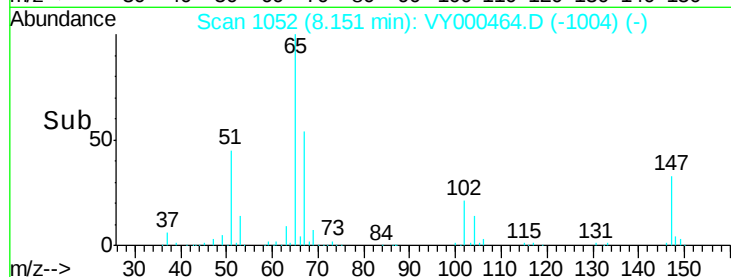
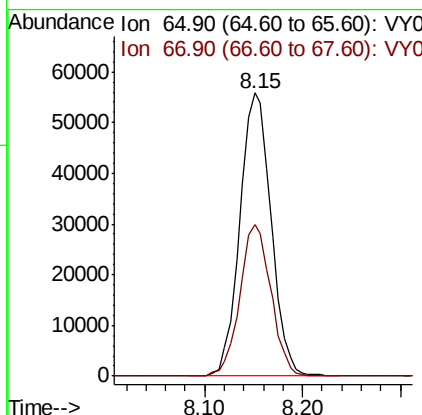
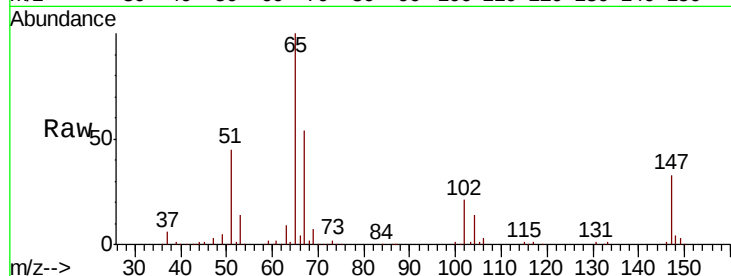




#33
 1,2-Dichloroethane-d4
 Concen: 57.144 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY000464.D
 Acq: 29 Oct 2019 11:03

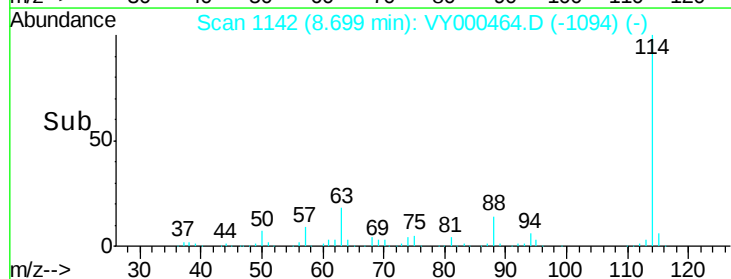
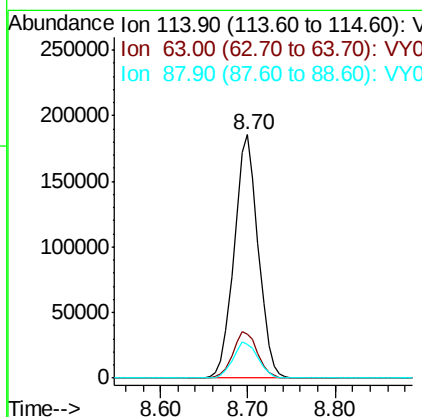
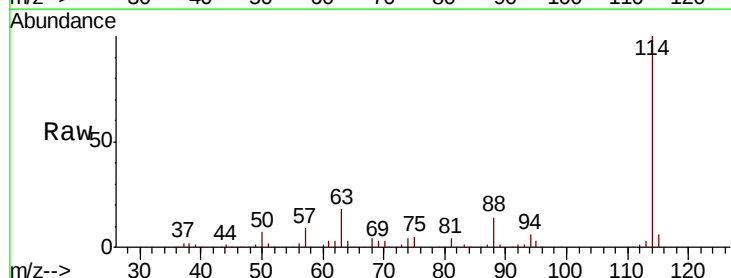
Instrument :
 MSVOA_Y
 ClientSampleId :

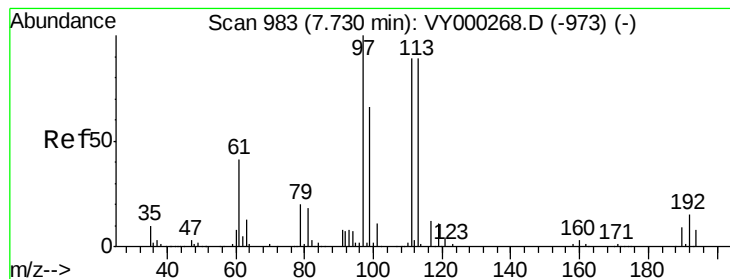
Tot Ion: 65 Resp: 123449
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000464.D
 Acq: 29 Oct 2019 11:03

Tgt Ion: 114 Resp: 354024
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 37.2
 88 13.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.371 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000464.D

Acq: 29 Oct 2019 11:03

Instrument :

MSVOA_Y

ClientSampled :

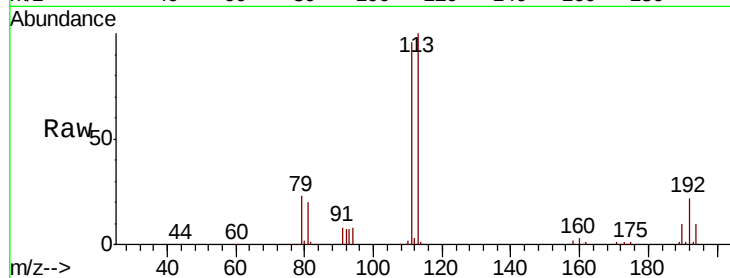
Tot Ion:113 Resp: 105433

Ion Ratio Lower Upper

113 100

111 103.3 81.6 122.4

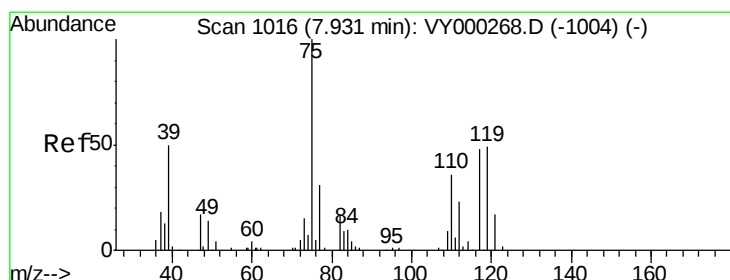
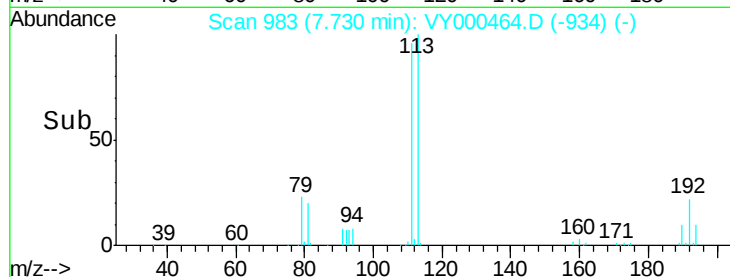
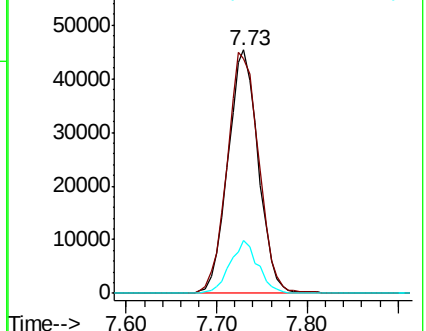
192 19.7 15.3 22.9



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: 4.765 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000464.D

Acq: 29 Oct 2019 11:03

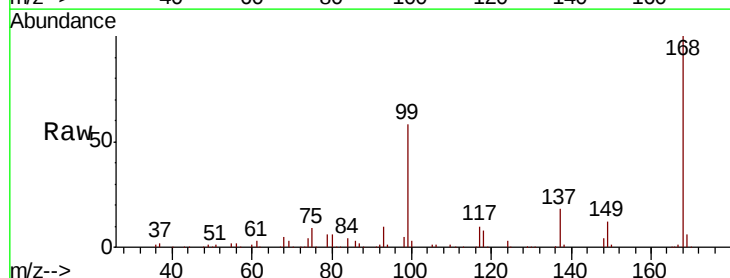
Tgt Ion: 75 Resp: 16516

Ion Ratio Lower Upper

75 100

110 8.1 18.4 55.4#

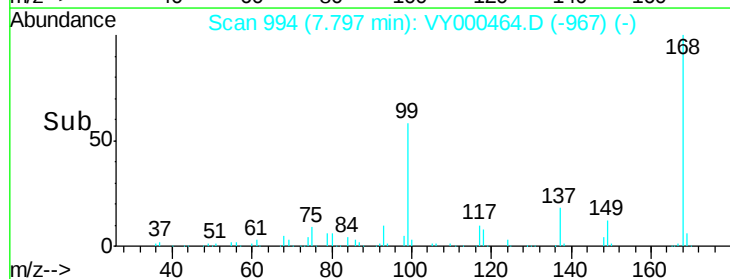
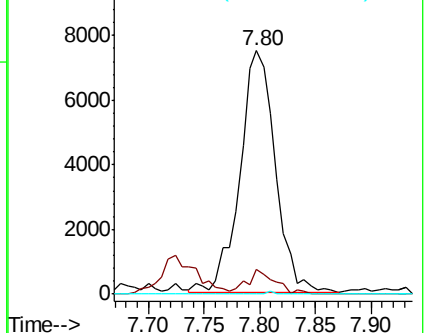
77 0.2 25.0 37.6#

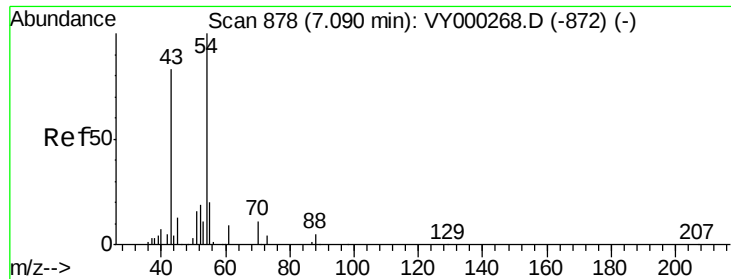


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

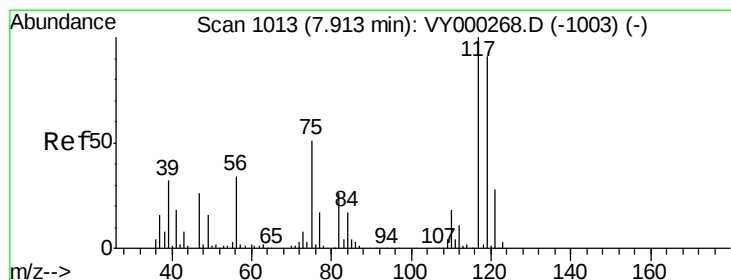
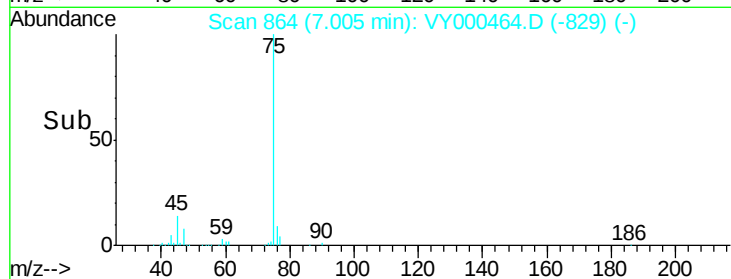
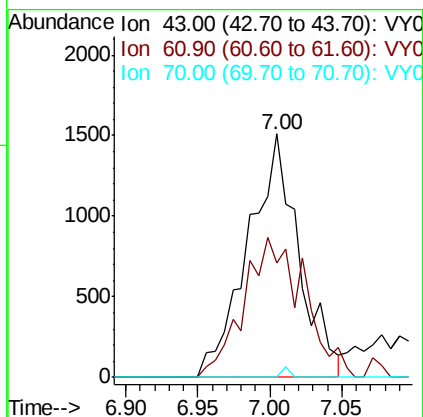
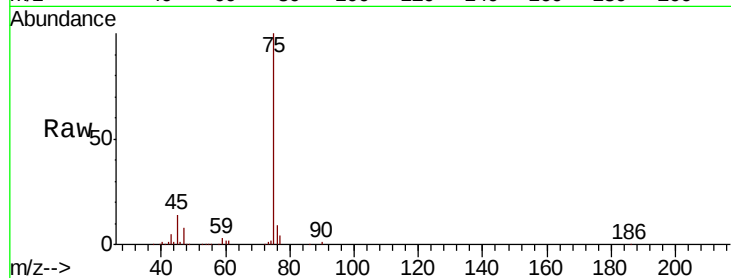




#37
Ethyl Acetate
Concen: 1.802 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.09 min
Lab File: VY000464.D
Acq: 29 Oct 2019 11:03

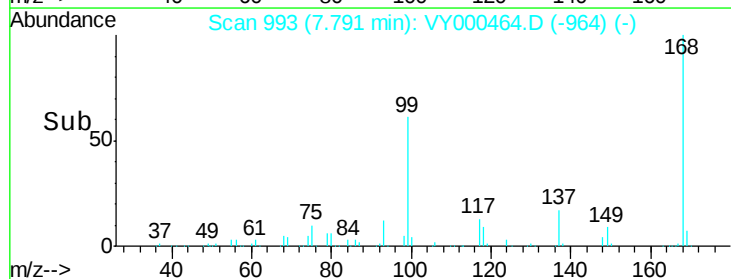
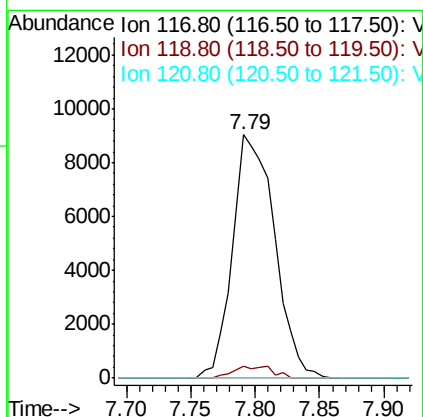
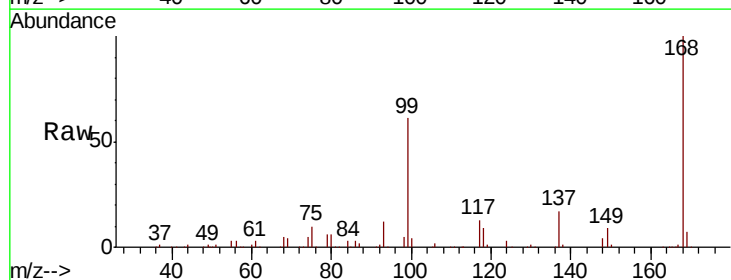
Instrument :
MSVOA_Y
ClientSampleId :

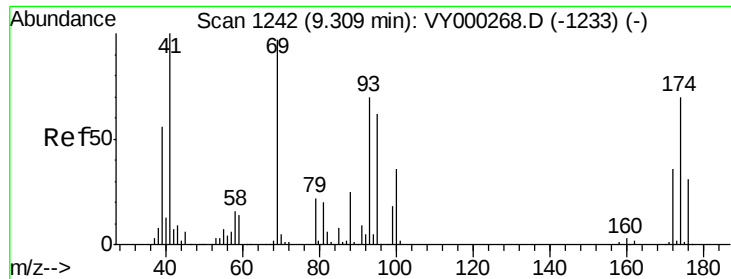
Tot Ion: 43 Resp: 3699
Ion Ratio Lower Upper
43 100
61 68.5 12.1 18.1#
70 0.7 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 6.102 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.12 min
Lab File: VY000464.D
Acq: 29 Oct 2019 11:03

Tgt Ion: 117 Resp: 20478
Ion Ratio Lower Upper
117 100
119 4.7 72.8 109.2#
121 0.0 22.2 33.2#





#49

1,4-Dioxane

Concen: 1.796 ug/l

RT: 9.33 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VY000464.D

Acq: 29 Oct 2019 11:03

Instrument :
MSVOA_Y
ClientSampleId :

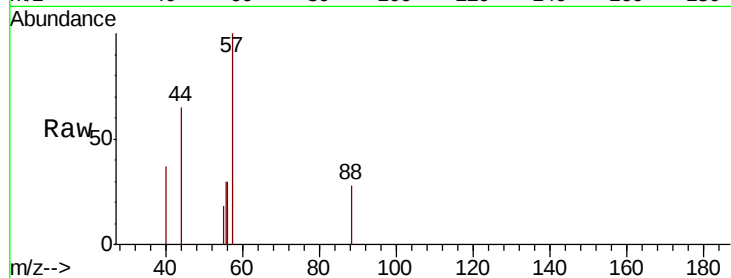
Tot Ion: 88 Resp: 37

Ion Ratio Lower Upper

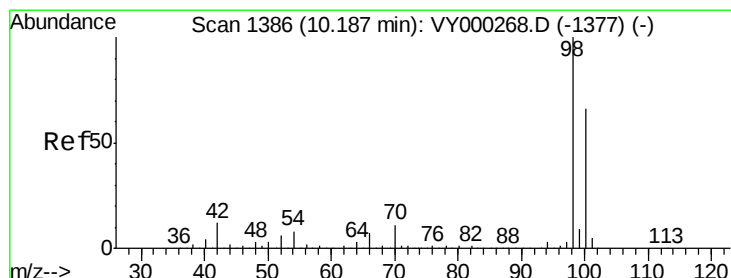
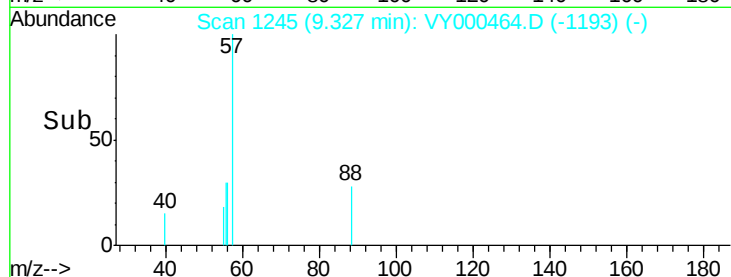
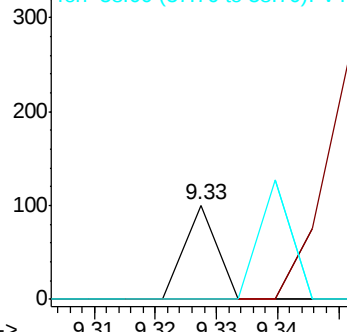
88 100

43 0.0 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: 50.650 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000464.D

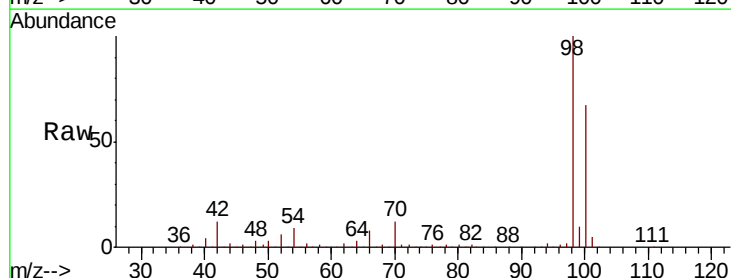
Acq: 29 Oct 2019 11:03

Tgt Ion: 98 Resp: 416076

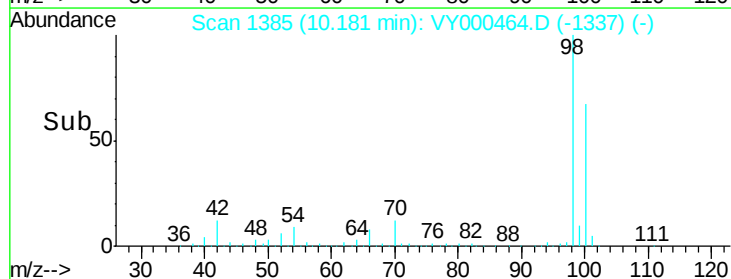
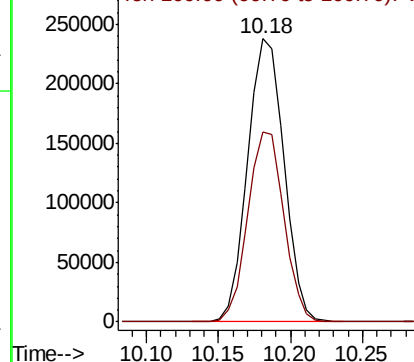
Ion Ratio Lower Upper

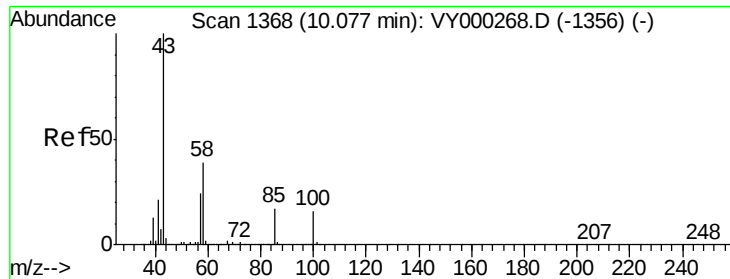
98 100

100 66.6 52.8 79.2



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

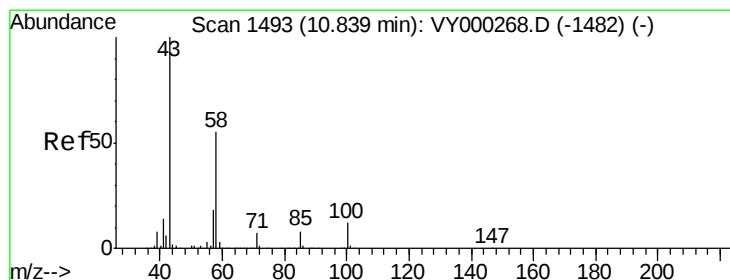
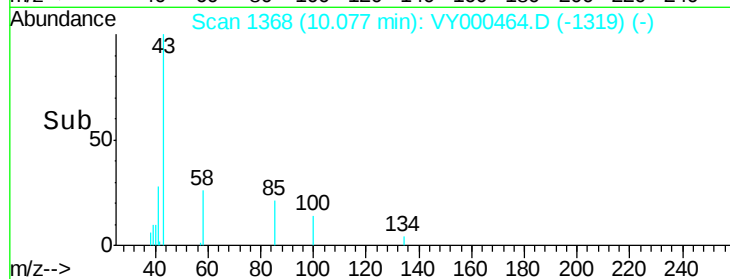
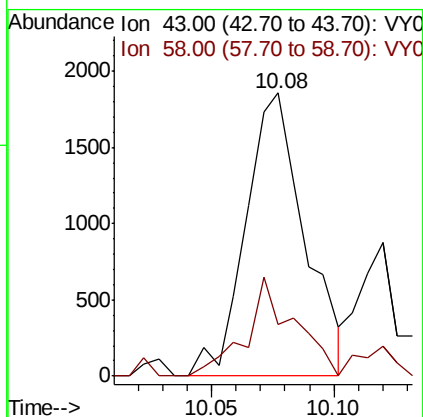
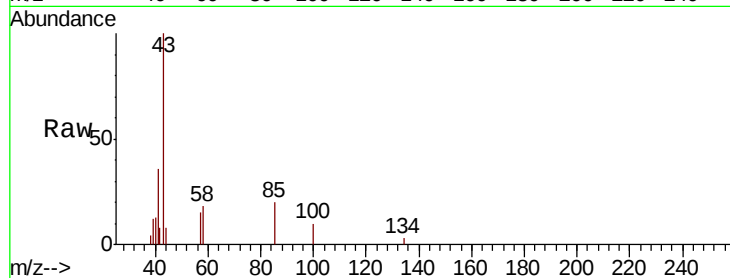




#51
4-Methyl-2-Pentanone
Concen: 1.539 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VY000464.D
Acq: 29 Oct 2019 11:03

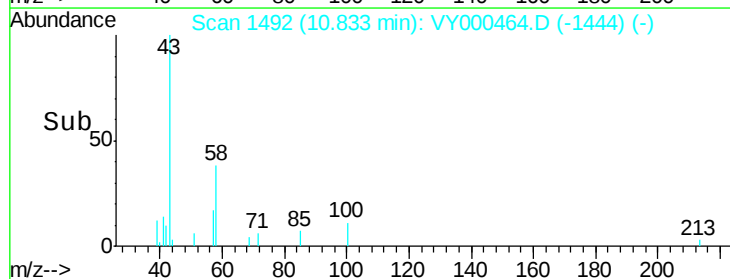
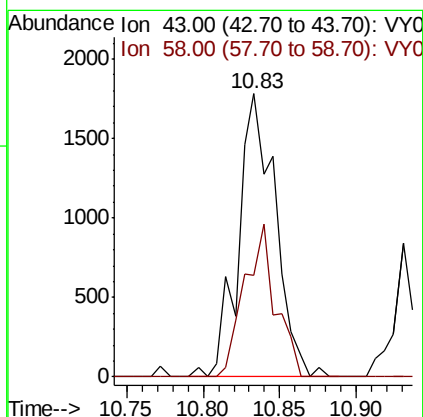
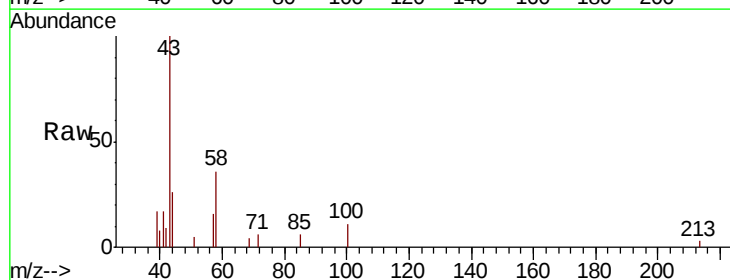
Instrument :
MSVOA_Y
ClientSampled :

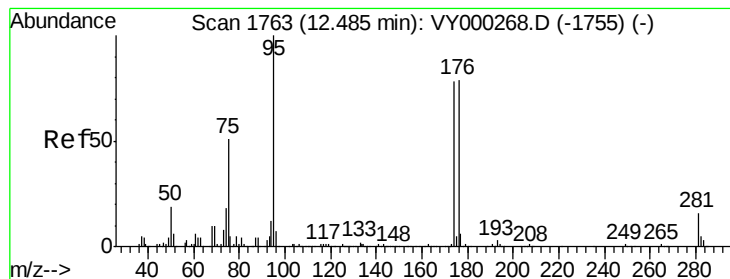
Tot Ion: 43 Resp: 3098
Ion Ratio Lower Upper
43 100
58 28.7 31.0 46.6#



#59
2-Hexanone
Concen: 2.118 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000464.D
Acq: 29 Oct 2019 11:03

Tgt Ion: 43 Resp: 2992
Ion Ratio Lower Upper
43 100
58 45.4 27.7 83.1





#62

4-Bromofluorobenzene

Concen: 44.624 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000464.D

Acq: 29 Oct 2019 11:03

Instrument :

MSVOA_Y

ClientSampleId :

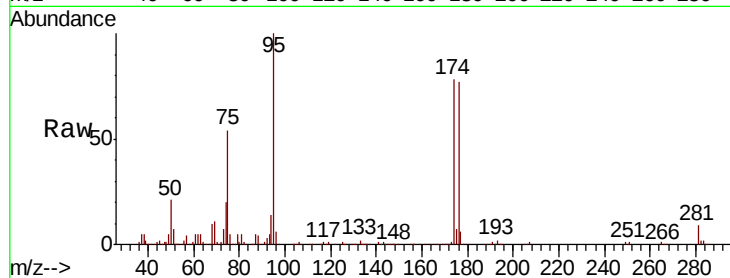
Tot Ion: 95 Resp: 139264

Ion Ratio Lower Upper

95 100

174 82.2 0.0 159.6

176 78.8 0.0 153.8

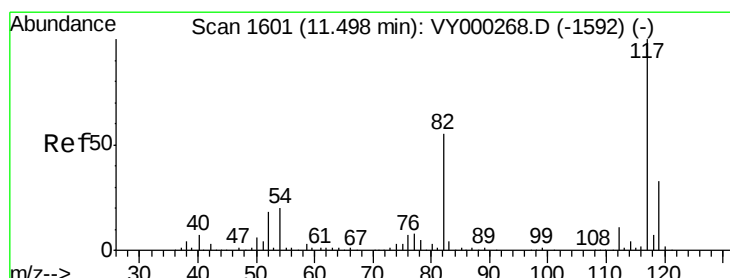
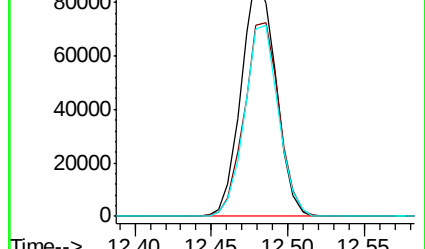
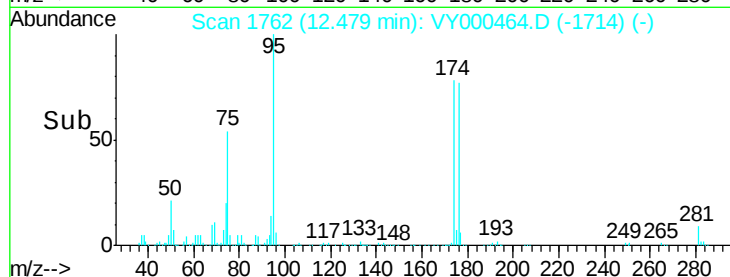


Abundance Ion 94.90 (94.60 to 95.60): VY000464.D (-1714) (-)

Ion 173.80 (173.50 to 174.50): VY000464.D (-1714) (-)

Ion 175.80 (175.50 to 176.50): VY000464.D (-1714) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY000464.D

Acq: 29 Oct 2019 11:03

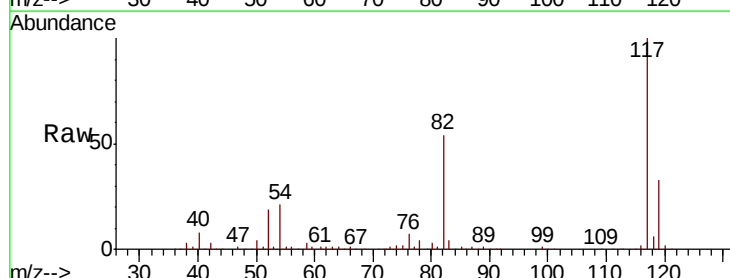
Tgt Ion: 117 Resp: 323858

Ion Ratio Lower Upper

117 100

82 53.8 43.7 65.5

119 32.6 26.6 39.8

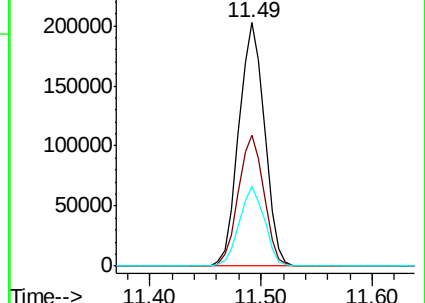
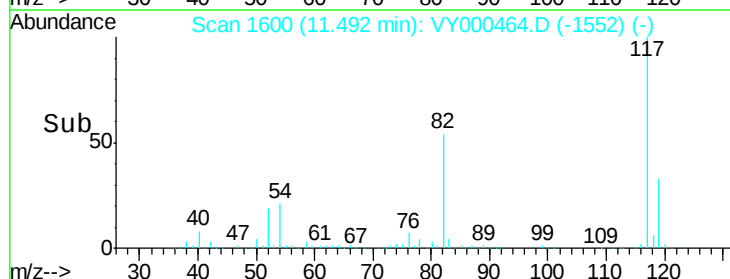


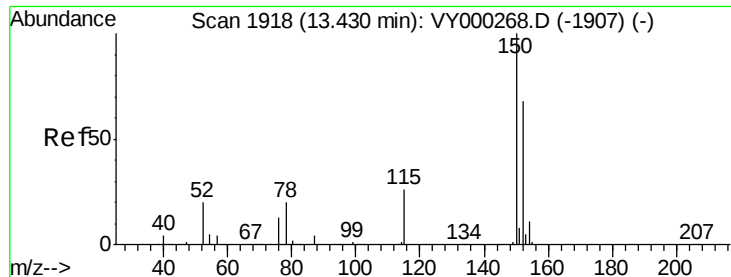
Abundance Ion 116.90 (116.60 to 117.60): VY000464.D (-1552) (-)

Ion 82.00 (81.70 to 82.70): VY000464.D (-1552) (-)

Ion 118.90 (118.60 to 119.60): VY000464.D (-1552) (-)

Time-->



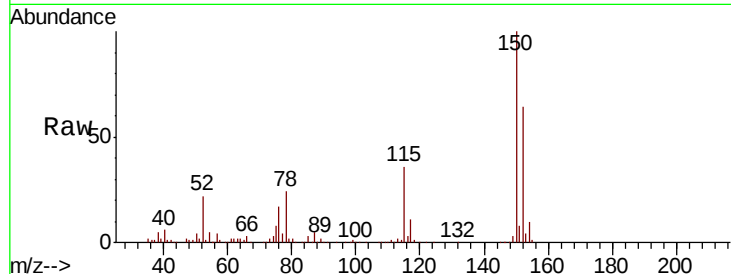


#72

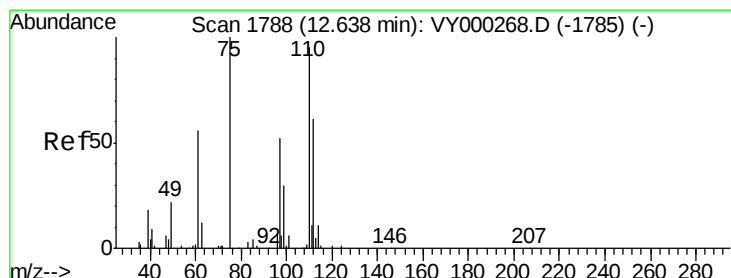
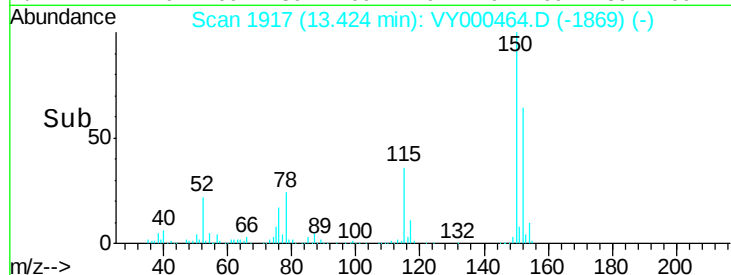
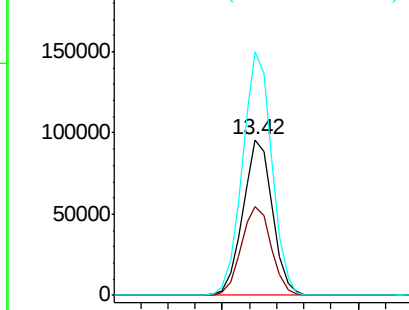
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000464.D
Acq: 29 Oct 2019 11:03

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.9	29.3	88.0
150	155.5	0.0	348.4



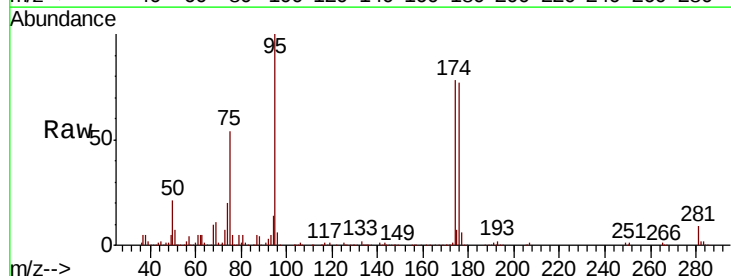
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



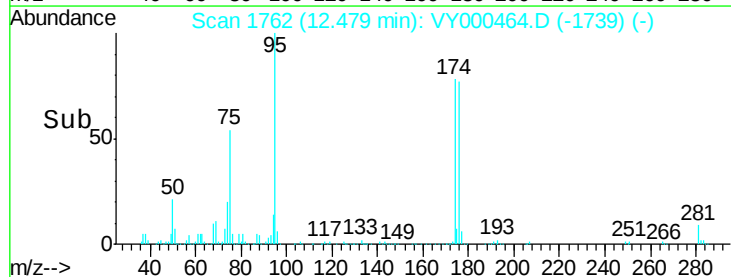
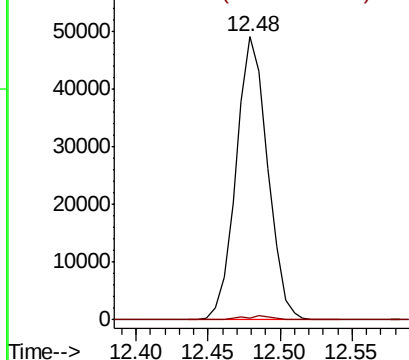
#76

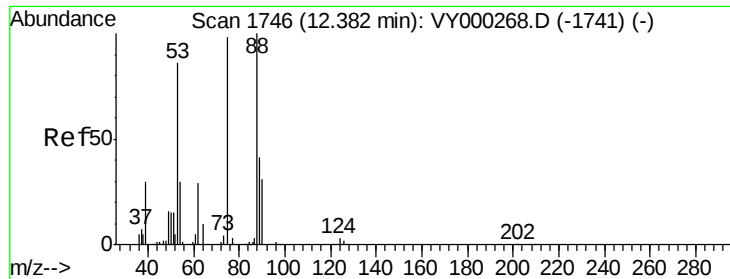
1,2,3-Trichloropropane
Concen: 41.868 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000464.D
Acq: 29 Oct 2019 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	0.0	0.0#



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

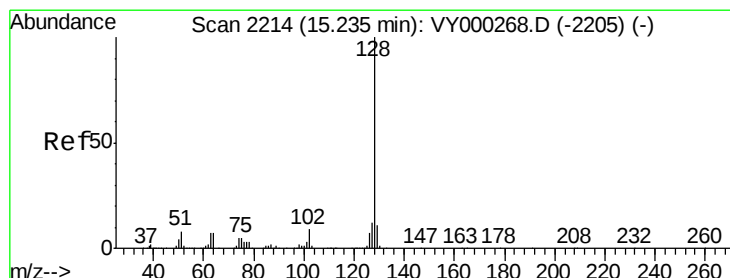
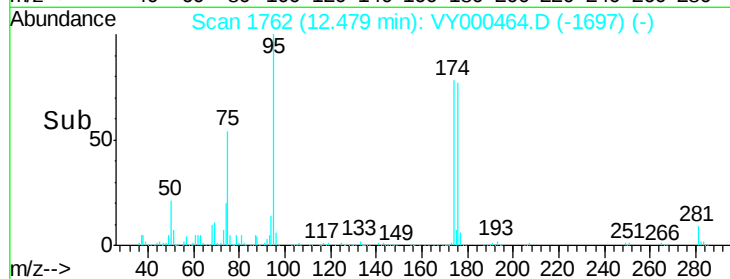
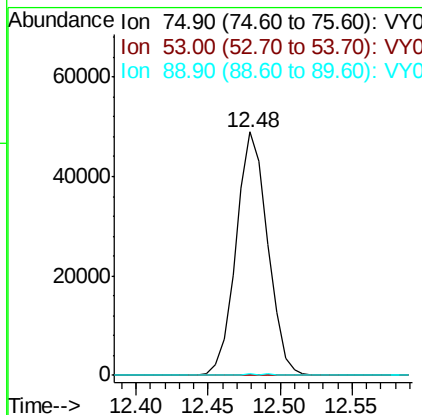
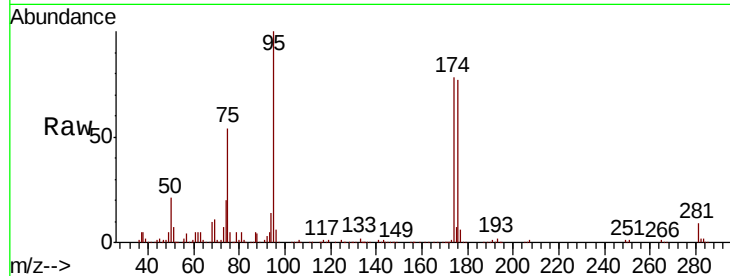




#81
trans-1,4-Dichloro-2-butene
Concen: 91.607 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000464.D
Acq: 29 Oct 2019 11:03

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 75 Resp: 74645
Ion Ratio Lower Upper
75 100
53 0.1 71.3 106.9#
89 0.4 35.1 52.7#



#95
Naphthalene
Concen: 1.028 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000464.D
Acq: 29 Oct 2019 11:03

Tgt Ion:128 Resp: 7164
Ion Ratio Lower Upper
128 100
127 14.6 9.6 14.4#
129 8.7 8.7 13.1#

