

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY102219\
 Data File : VY000364.D
 Acq On : 22 Oct 2019 14:51
 Operator : SY/MD
 Sample : K5480-02
 Misc : 5.08G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-1A

Quant Time: Oct 23 08:02:47 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	197364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	318603	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	271746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	123998	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	110374	53.02	ug/l	0.00
Spiked Amount						
			Recovery	=	106.04%	
35) Dibromofluoromethane	7.74	113	91538	47.63	ug/l	0.00
Spiked Amount						
			Recovery	=	95.26%	
50) Toluene-d8	10.18	98	363430	49.16	ug/l	0.00
Spiked Amount						
			Recovery	=	98.32%	
62) 4-Bromofluorobenzene	12.48	95	121655	43.31	ug/l	0.00
Spiked Amount						
			Recovery	=	86.62%	

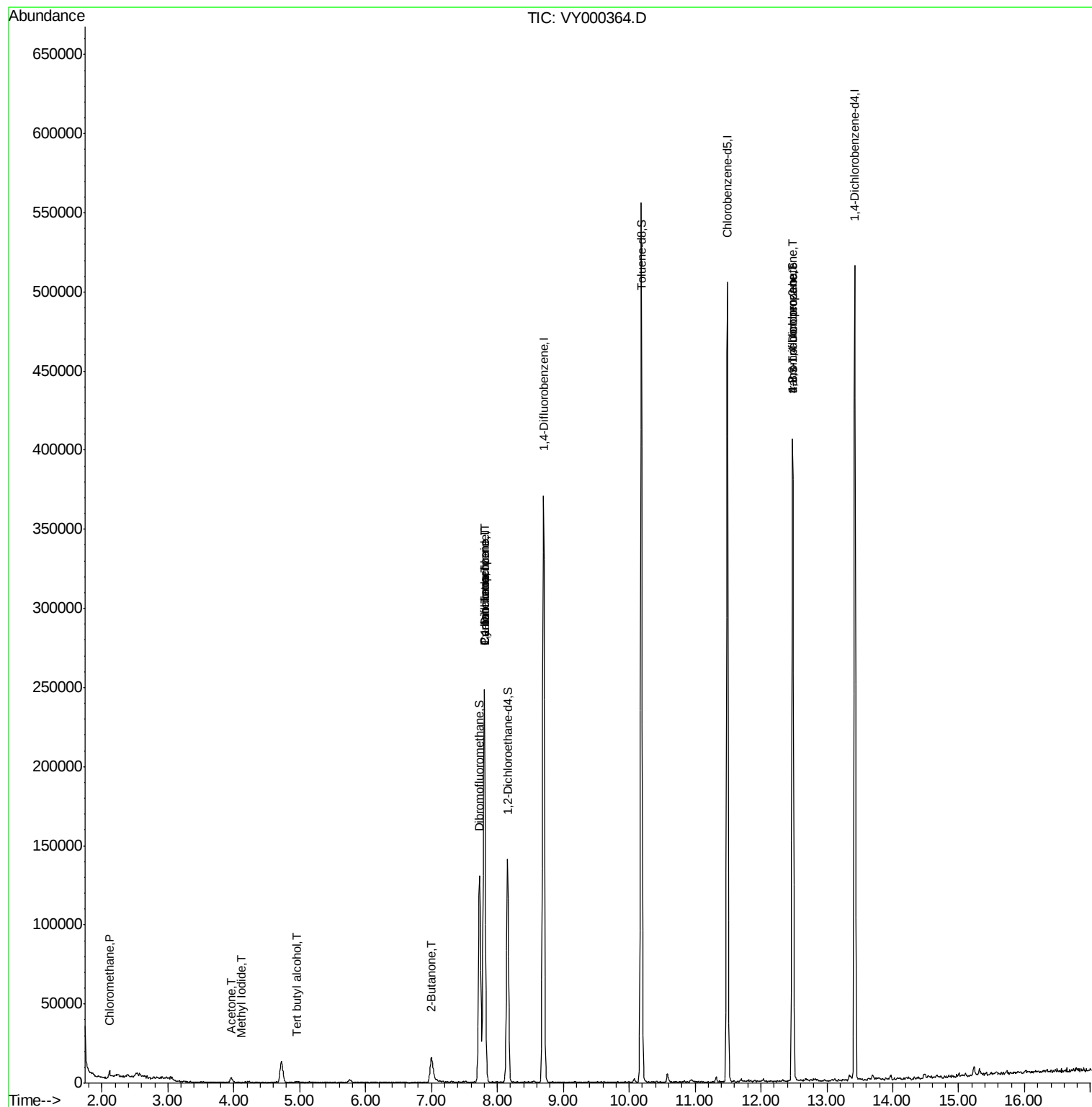
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	3392	1.406	ug/l #	76
10) Methyl Iodide	4.11	142	19	1.192	ug/l #	41
11) Tert butyl alcohol	4.95	59	855	3.924	ug/l #	73
16) Acetone	3.96	43	4625	6.860	ug/l	96
20) Methylene Chloride	4.72	84	9667	Below Cal		93
25) 2-Butanone	7.00	43	1253	1.319	ug/l #	48
31) Cyclohexane	7.80	56	4599	1.155	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	15047	4.824	ug/l #	49
38) Carbon Tetrachloride	7.80	117	19676	6.515	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	62780	41.174	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	62780	90.087	ug/l #	14

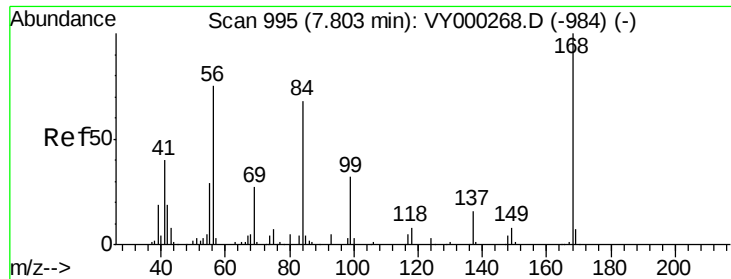
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000364.D

Acq: 22 Oct 2019 14:51

Instrument :

MSVOA_Y

ClientSampleId :

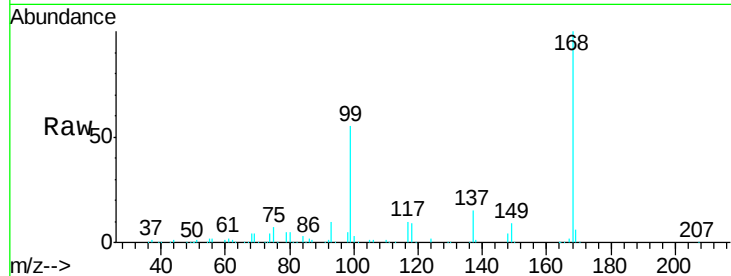
B-1A

Tgt Ion:168 Resp: 197364

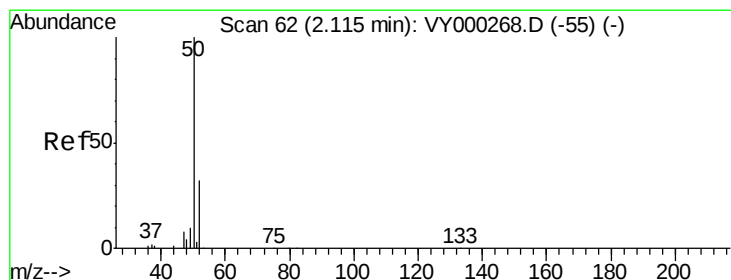
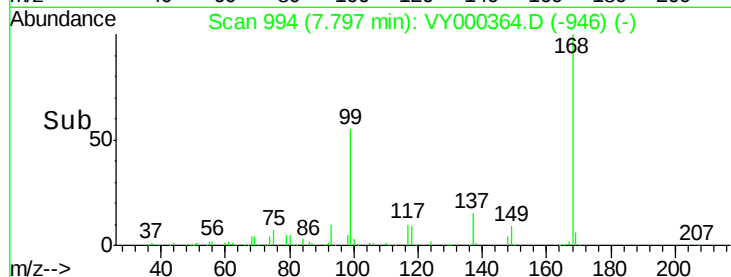
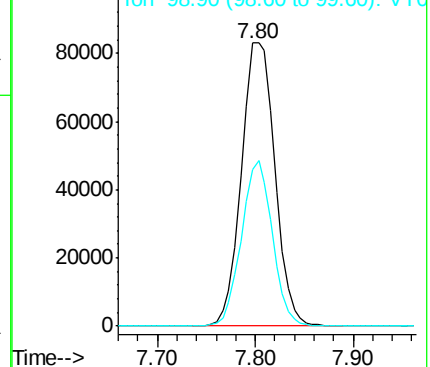
Ion Ratio Lower Upper

168 100

99 55.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000364.D (-984) (-)



#3

Chloromethane

Concen: 1.406 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000364.D

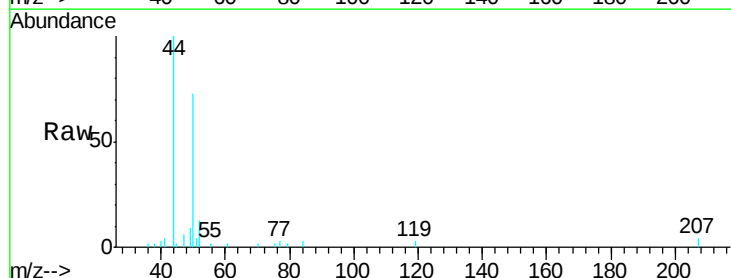
Acq: 22 Oct 2019 14:51

Tgt Ion: 50 Resp: 3392

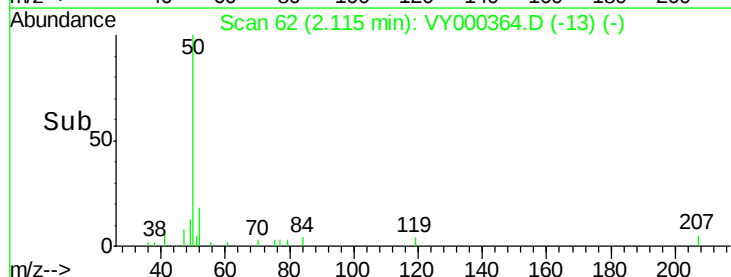
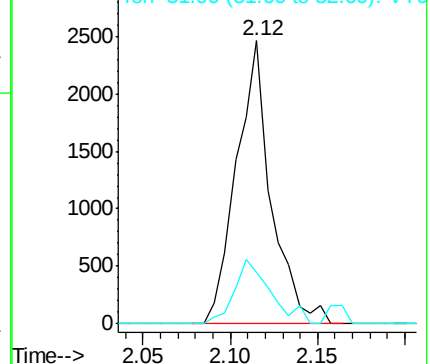
Ion Ratio Lower Upper

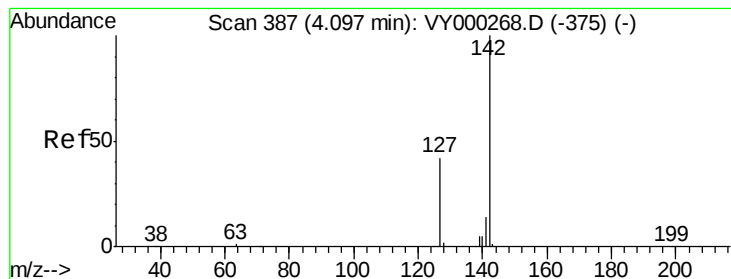
50 100

52 18.3 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VY000364.D (-13) (-)





#10

Methyl Iodide

Concen: 1.192 ug/l

RT: 4.11 min Scan# 390

Delta R.T. 0.02 min

Lab File: VY000364.D

Acq: 22 Oct 2019 14:51

Instrument :

MSVOA_Y

ClientSampleId :

B-1A

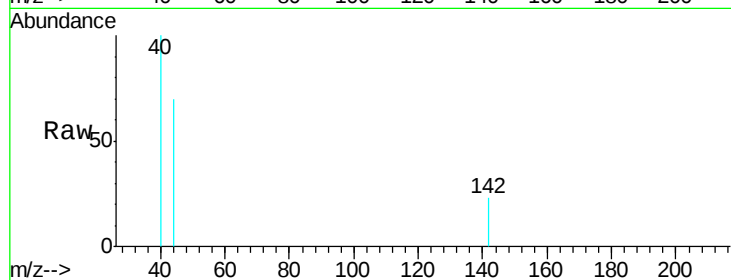
Tgt Ion: 142 Resp: 19

Ion Ratio Lower Upper

142 100

127 0.0 33.9 50.9#

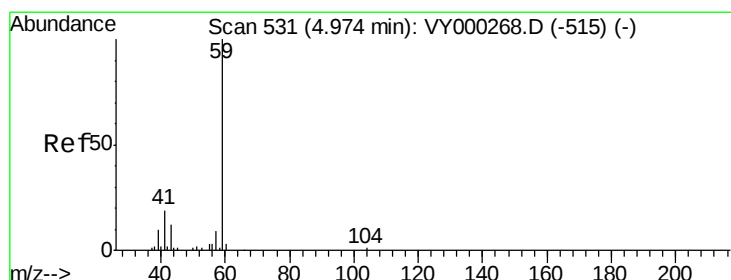
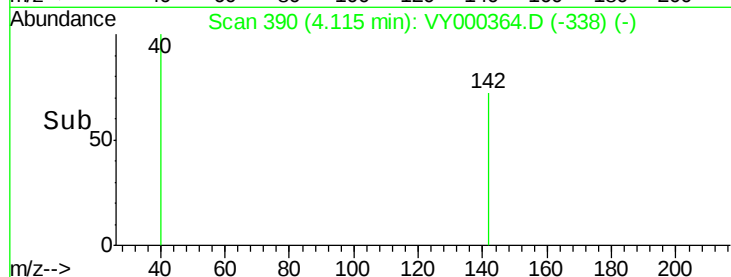
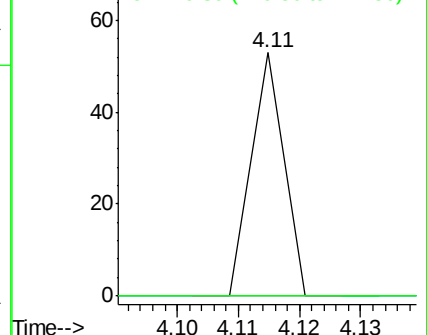
141 0.0 11.2 16.8#



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



#11

Tert butyl alcohol

Concen: 3.924 ug/l

RT: 4.95 min Scan# 527

Delta R.T. -0.02 min

Lab File: VY000364.D

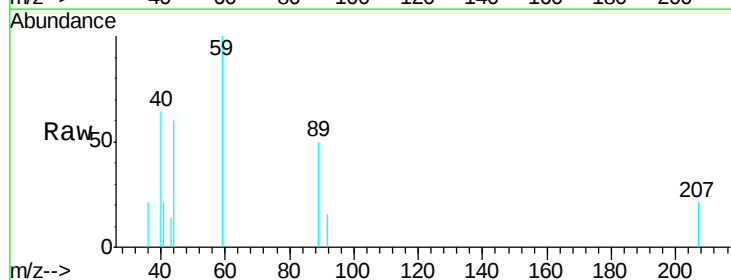
Acq: 22 Oct 2019 14:51

Tgt Ion: 59 Resp: 855

Ion Ratio Lower Upper

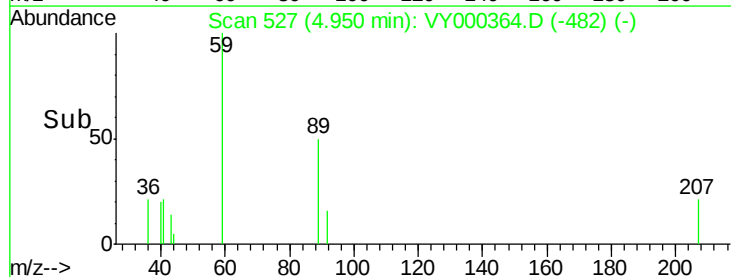
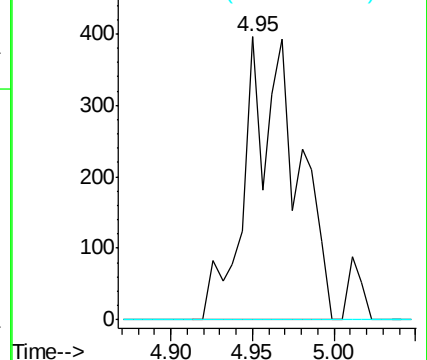
59 100

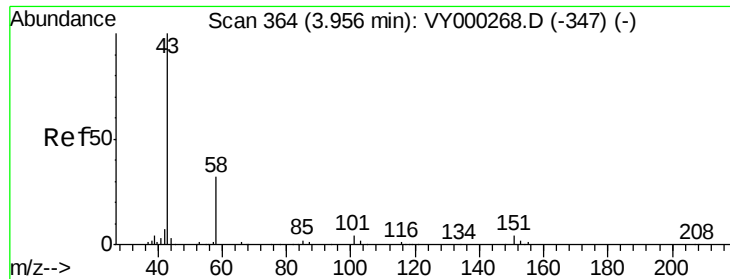
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 6.860 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000364.D

Acq: 22 Oct 2019 14:51

Instrument :

MSVOA_Y

ClientSampleId :

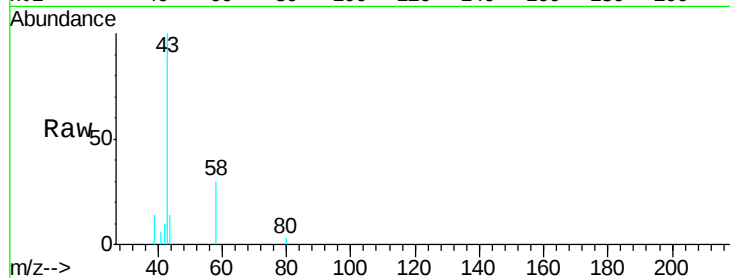
B-1A

Tgt Ion: 43 Resp: 4625

Ion Ratio Lower Upper

43 100

58 30.0 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

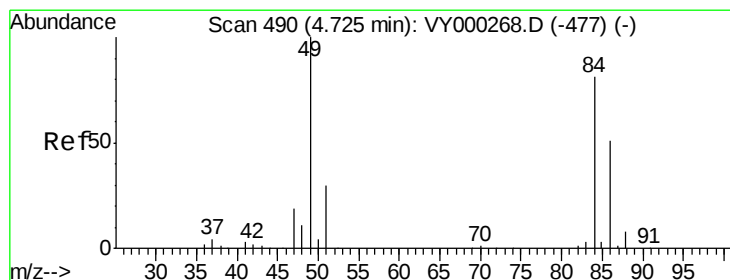
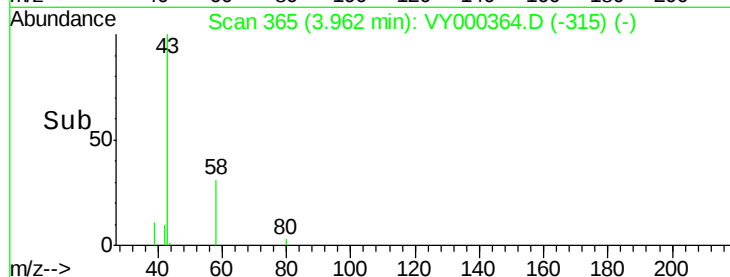
1500

1000

500

0

Time--> 3.85 3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000364.D

Acq: 22 Oct 2019 14:51

Tgt Ion: 84 Resp: 9667

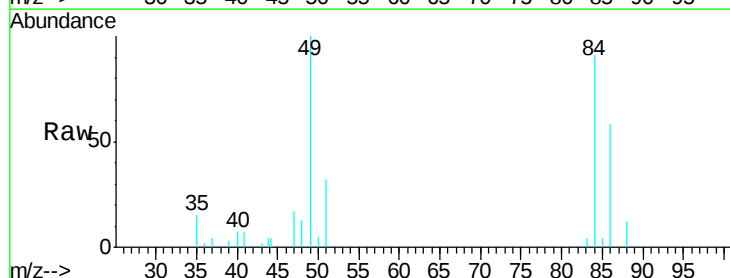
Ion Ratio Lower Upper

84 100

49 109.9 99.0 148.4

51 35.0 29.3 43.9

86 63.5 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

4.72

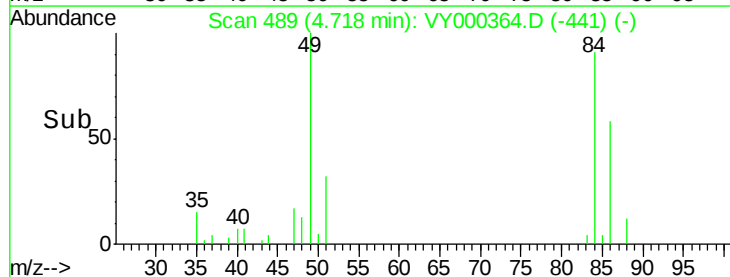
6000

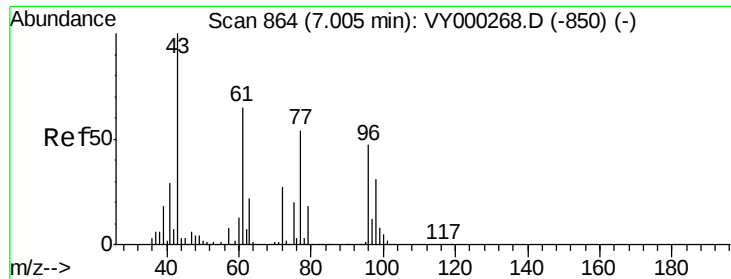
4000

2000

0

Time--> 4.60 4.70 4.80





#25

2-Butanone

Concen: 1.319 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY000364.D

Acq: 22 Oct 2019 14:51

Instrument :

MSVOA_Y

ClientSampleId :

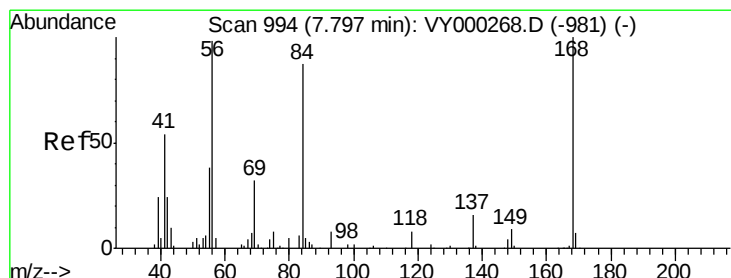
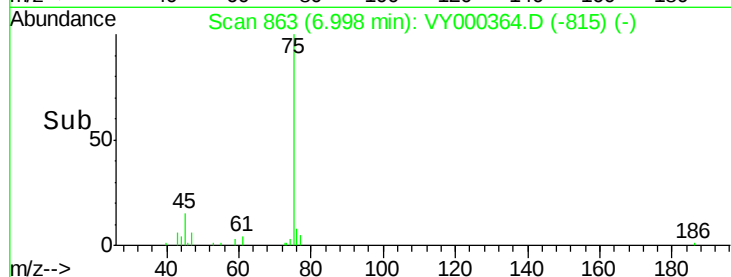
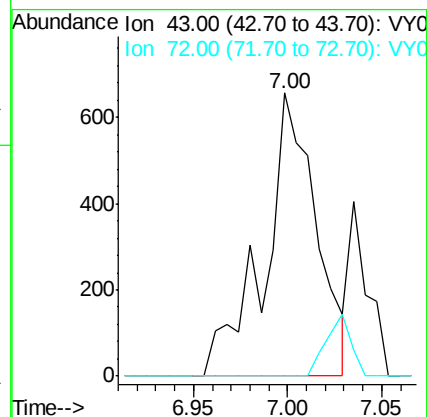
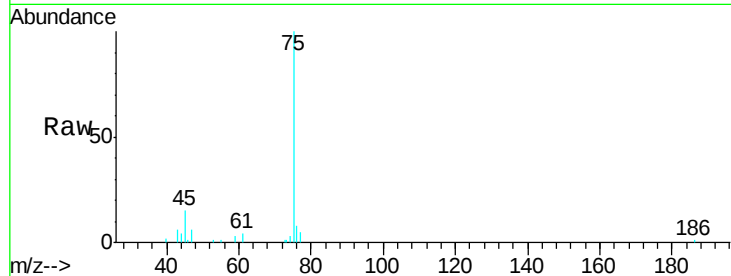
B-1A

Tgt Ion: 43 Resp: 1253

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.155 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000364.D

Acq: 22 Oct 2019 14:51

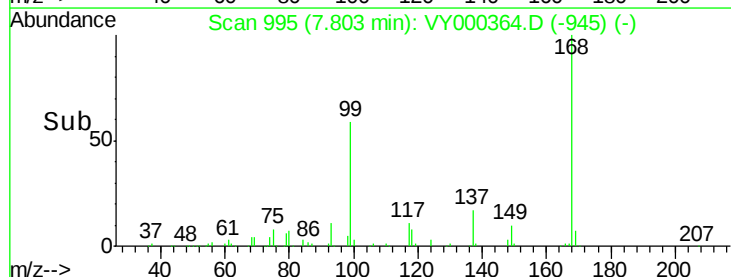
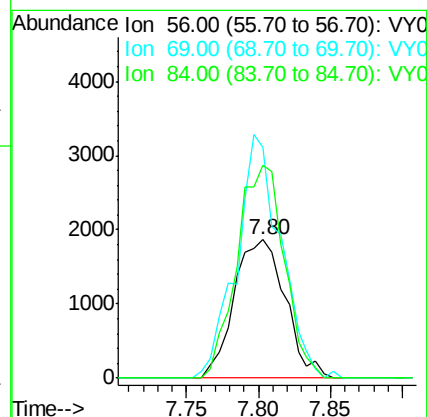
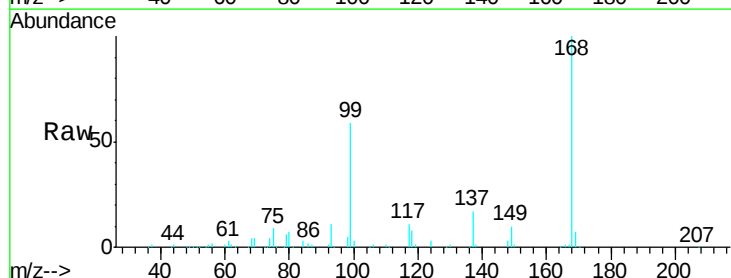
Tgt Ion: 56 Resp: 4599

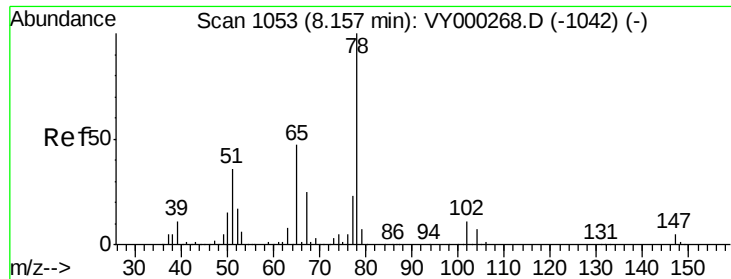
Ion Ratio Lower Upper

56 100

69 167.0 26.3 39.5#

84 153.7 70.8 106.2#





#33

1,2-Dichloroethane-d4

Concen: 53.016 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY000364.D

Acq: 22 Oct 2019 14:51

Instrument :

MSVOA_Y

ClientSampled :

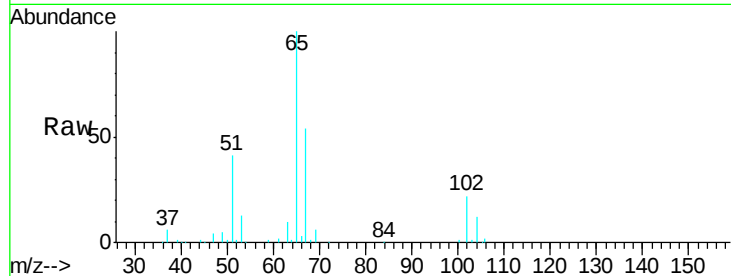
B-1A

Tgt Ion: 65 Resp: 110374

Ion Ratio Lower Upper

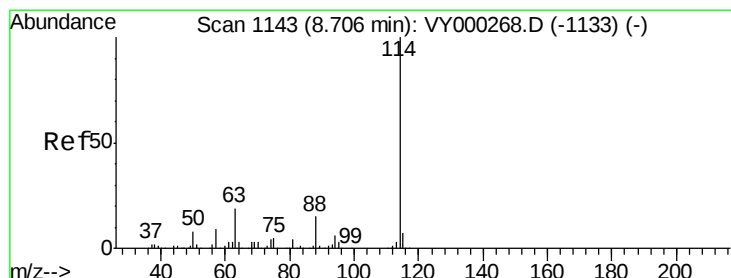
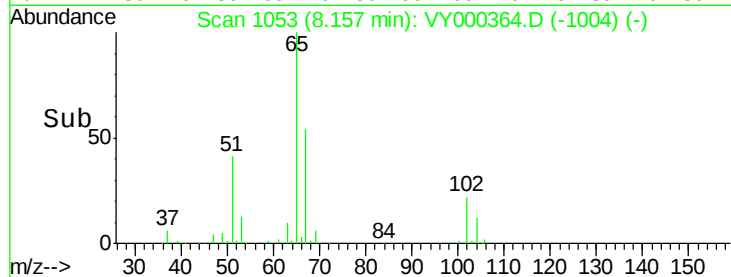
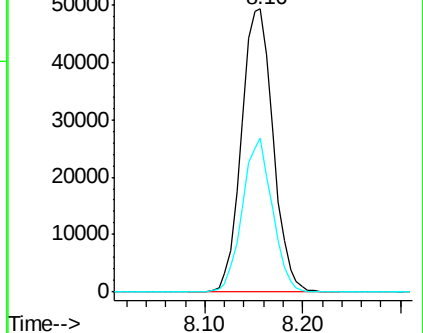
65 100

67 51.2 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: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000364.D

Acq: 22 Oct 2019 14:51

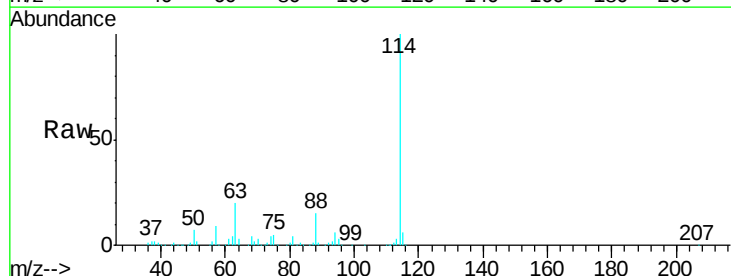
Tgt Ion: 114 Resp: 318603

Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.2

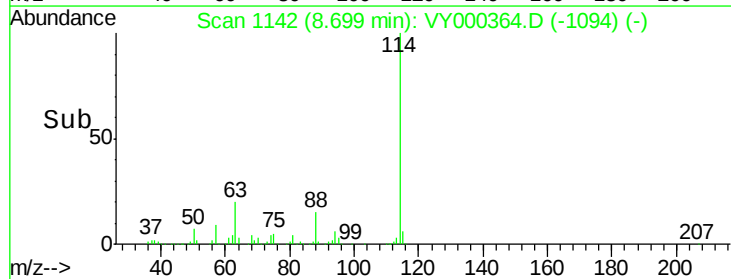
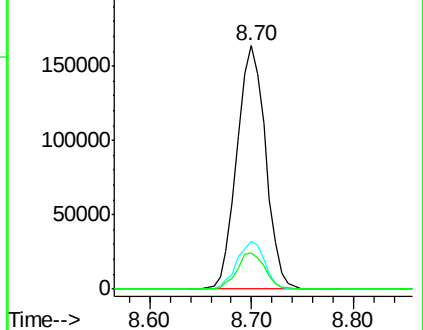
88 14.9 0.0 30.2

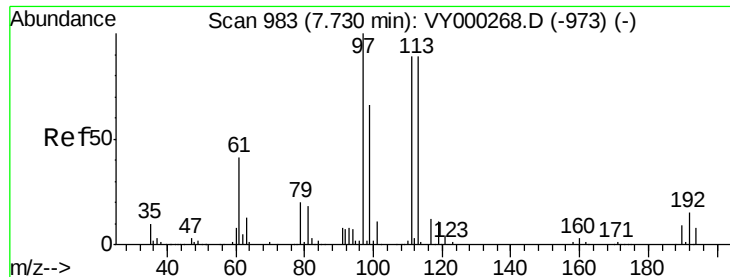


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

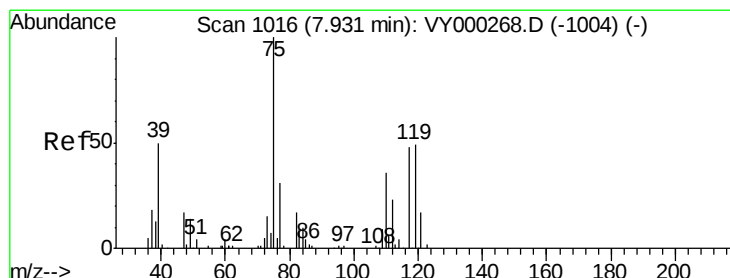
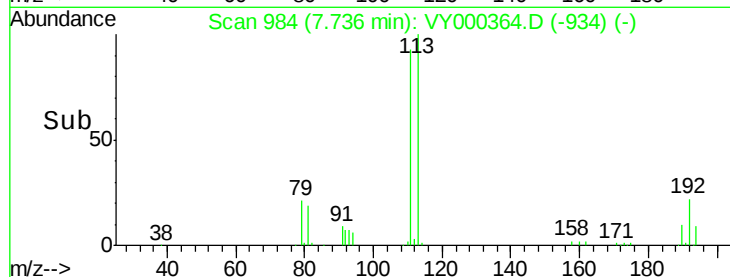
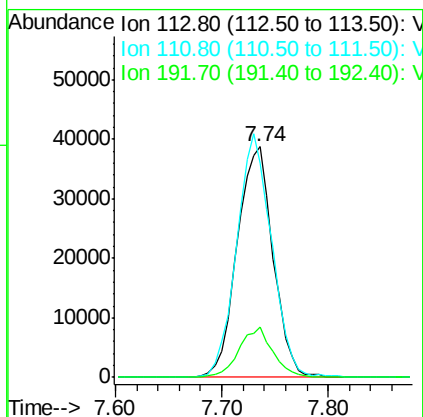
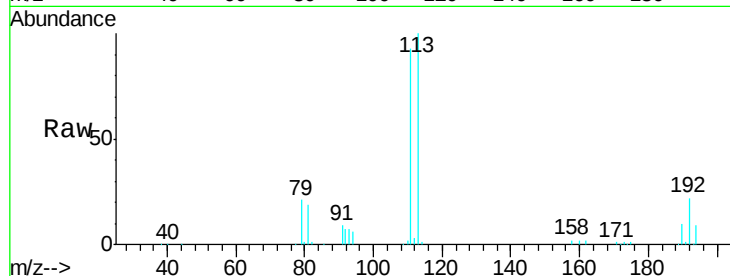




#35
 Dibromofluoromethane
 Concen: 47.630 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.01 min
 Lab File: VY000364.D
 Acq: 22 Oct 2019 14:51

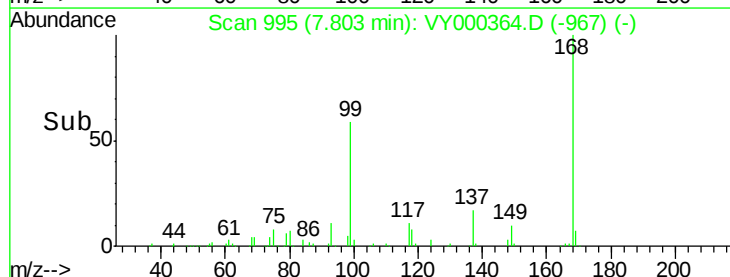
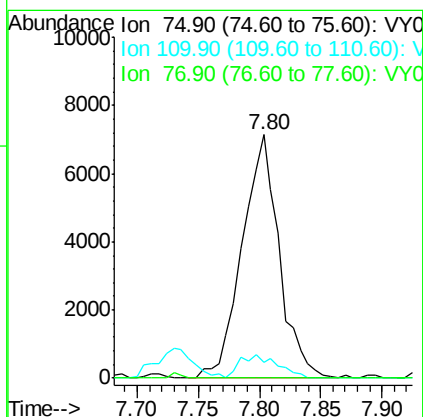
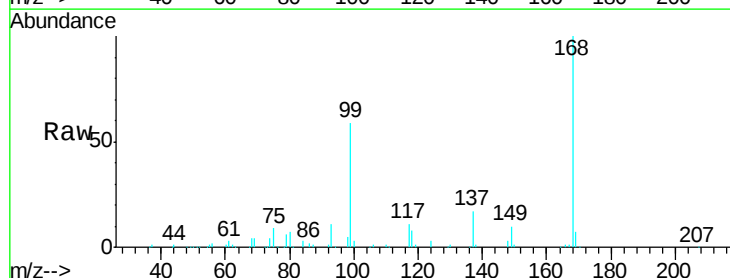
Instrument :
 MSVOA_Y
 ClientSampled :
 B-1A

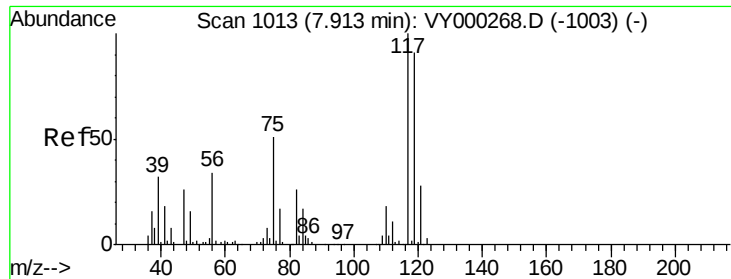
Tgt Ion: 113 Resp: 91538
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.6 122.4
 192 20.5 15.3 22.9



#36
 1,1-Dichloropropene
 Concen: 4.824 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000364.D
 Acq: 22 Oct 2019 14:51

Tgt Ion: 75 Resp: 15047
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.4 55.4#
 77 0.0 25.0 37.6#

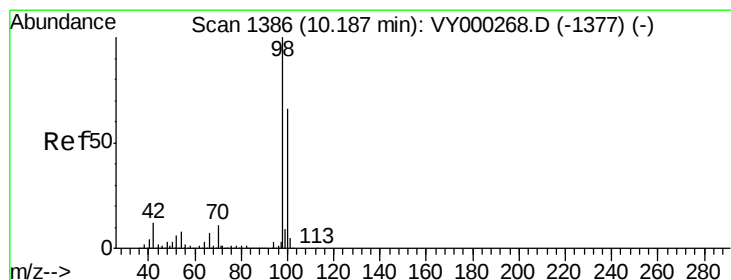
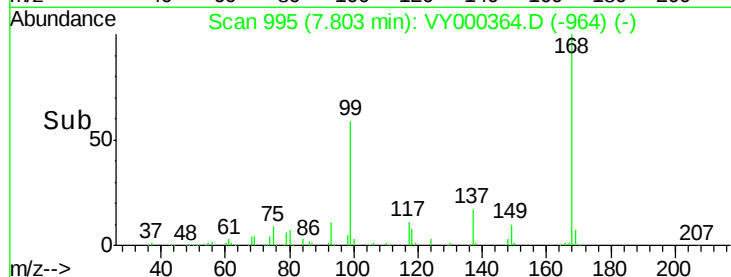
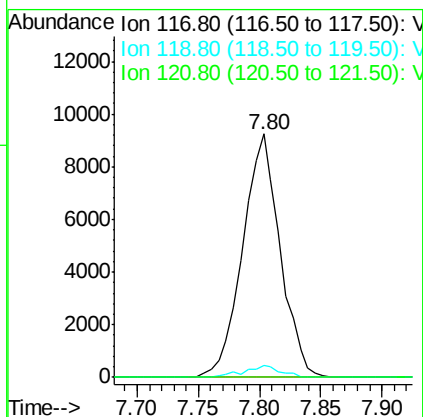
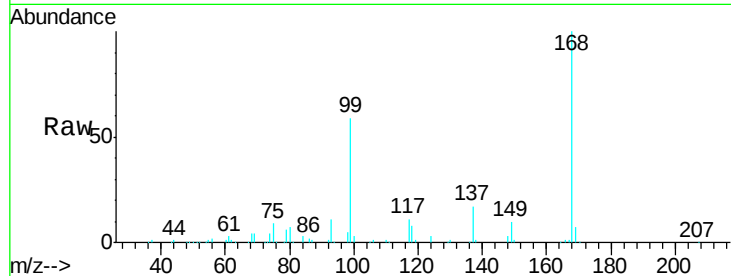




#38
Carbon Tetrachloride
Concen: 6.515 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000364.D
Acq: 22 Oct 2019 14:51

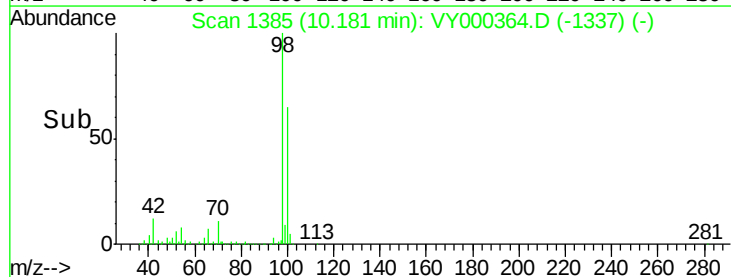
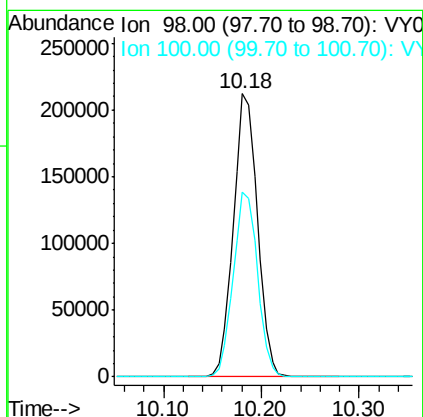
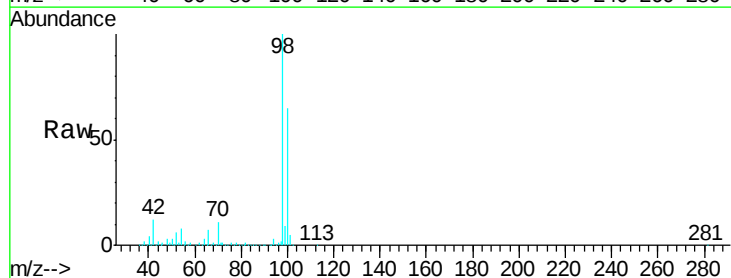
Instrument :
MSVOA_Y
ClientSampled :
B-1A

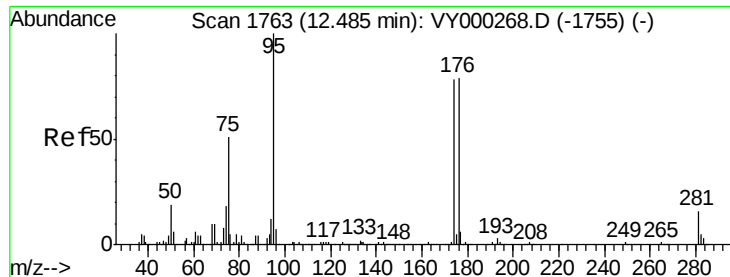
Tgt Ion: 117 Resp: 19676
Ion Ratio Lower Upper
117 100
119 4.9 72.8 109.2#
121 0.0 22.2 33.2#



#50
Toluene-d8
Concen: 49.160 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000364.D
Acq: 22 Oct 2019 14:51

Tgt Ion: 98 Resp: 363430
Ion Ratio Lower Upper
98 100
100 65.9 52.8 79.2





#62

4-Bromofluorobenzene

Concen: 43.315 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000364.D

Acq: 22 Oct 2019 14:51

Instrument :

MSVOA_Y

ClientSampled :

B-1A

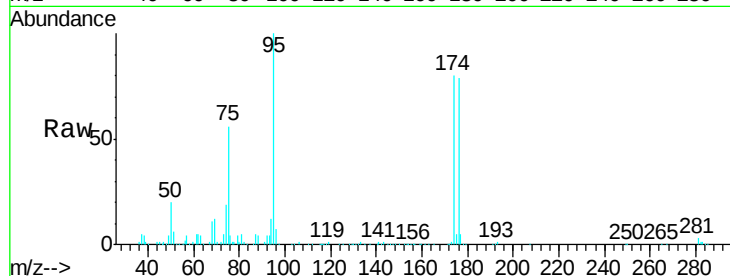
Tgt Ion: 95 Resp: 121655

Ion Ratio Lower Upper

95 100

174 82.2 0.0 159.6

176 78.9 0.0 153.8



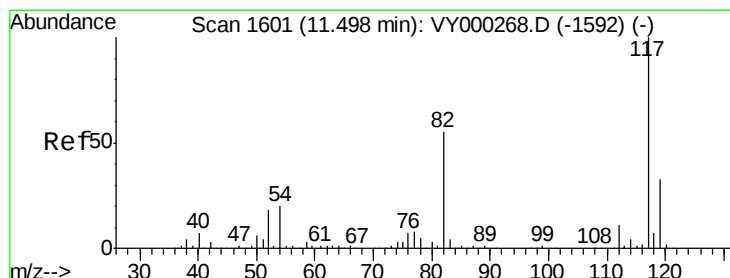
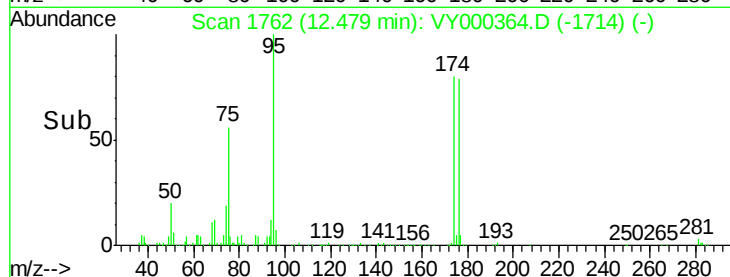
Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

12.48

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY000364.D

Acq: 22 Oct 2019 14:51

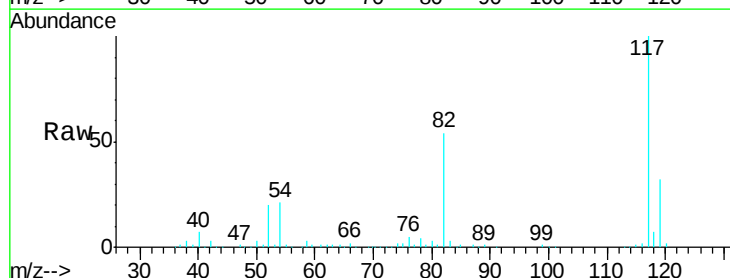
Tgt Ion: 117 Resp: 271746

Ion Ratio Lower Upper

117 100

82 54.2 43.7 65.5

119 32.5 26.6 39.8



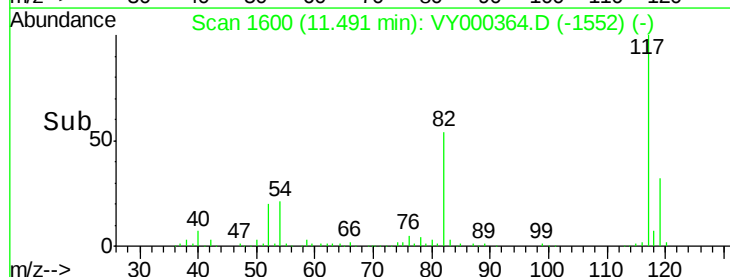
Abundance Ion 116.90 (116.60 to 117.60): VY0

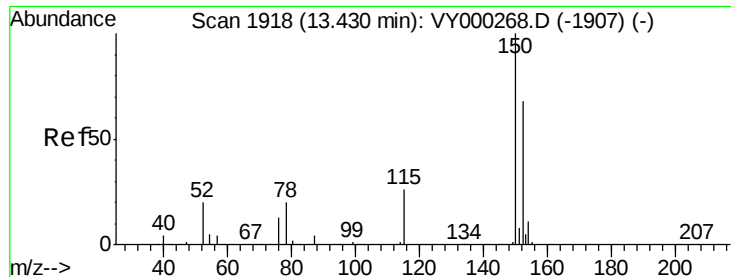
Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): VY0

11.49

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: VY000364.D

Acq: 22 Oct 2019 14:51

Instrument :

MSVOA_Y

ClientSampleId :

B-1A

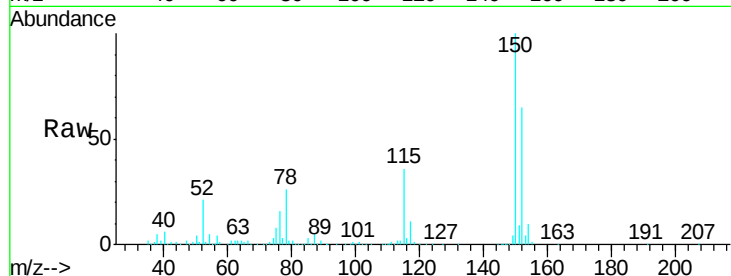
Tgt Ion: 152 Resp: 123998

Ion Ratio Lower Upper

152 100

115 57.9 29.3 88.0

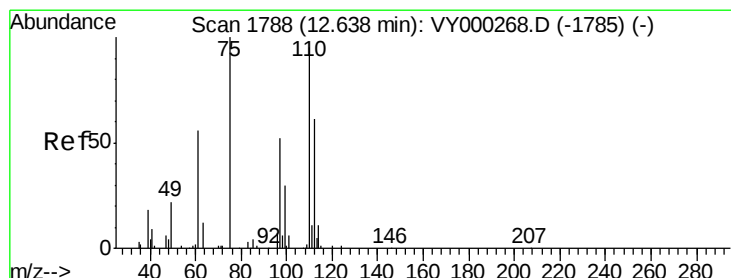
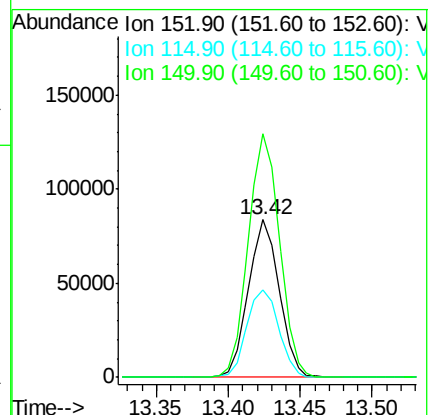
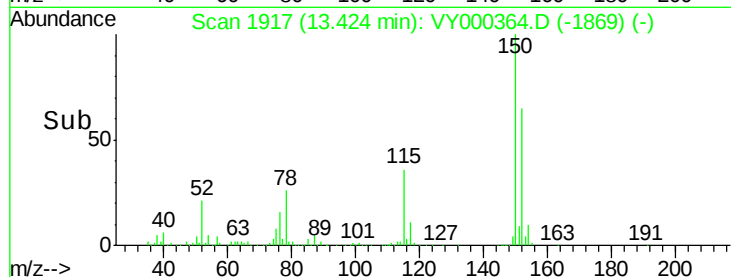
150 156.4 0.0 348.4



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: 41.174 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000364.D

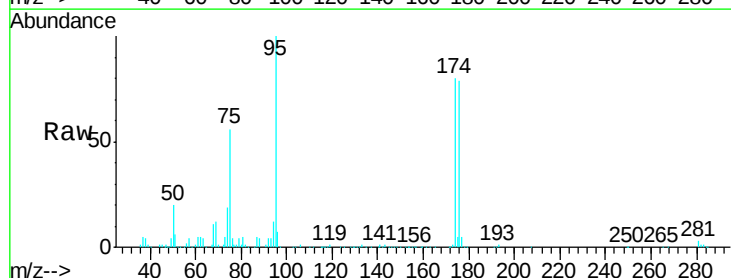
Acq: 22 Oct 2019 14:51

Tgt Ion: 75 Resp: 62780

Ion Ratio Lower Upper

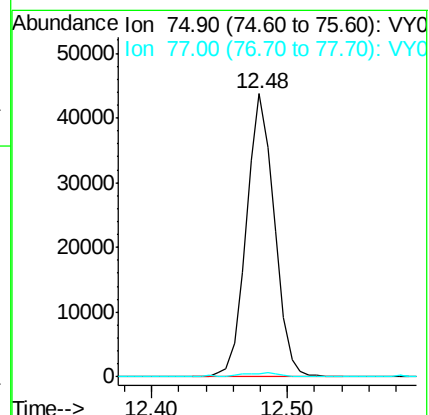
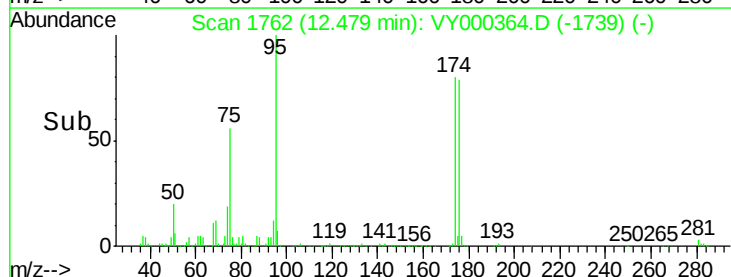
75 100

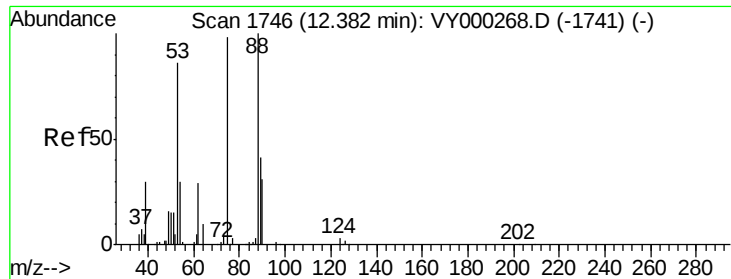
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 90.087 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000364.D

Acq: 22 Oct 2019 14:51

Instrument :

MSVOA_Y

ClientSampleId :

B-1A

Tgt Ion: 75 Resp: 62780

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.2 35.1 52.7#

