

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101719\
 Data File : VY000339.D
 Acq On : 17 Oct 2019 12:25
 Operator : SY/MD
 Sample : K5401-01
 Misc : 5.70G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 17 17:59:09 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	283743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	485150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	408269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	183609	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	159458	53.28	ug/l	0.00
Spiked Amount			Recovery	=	106.56%	
35) Dibromofluoromethane	7.74	113	138840	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
50) Toluene-d8	10.19	98	551843	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
62) 4-Bromofluorobenzene	12.49	95	181862	42.52	ug/l	0.00
Spiked Amount			Recovery	=	85.04%	

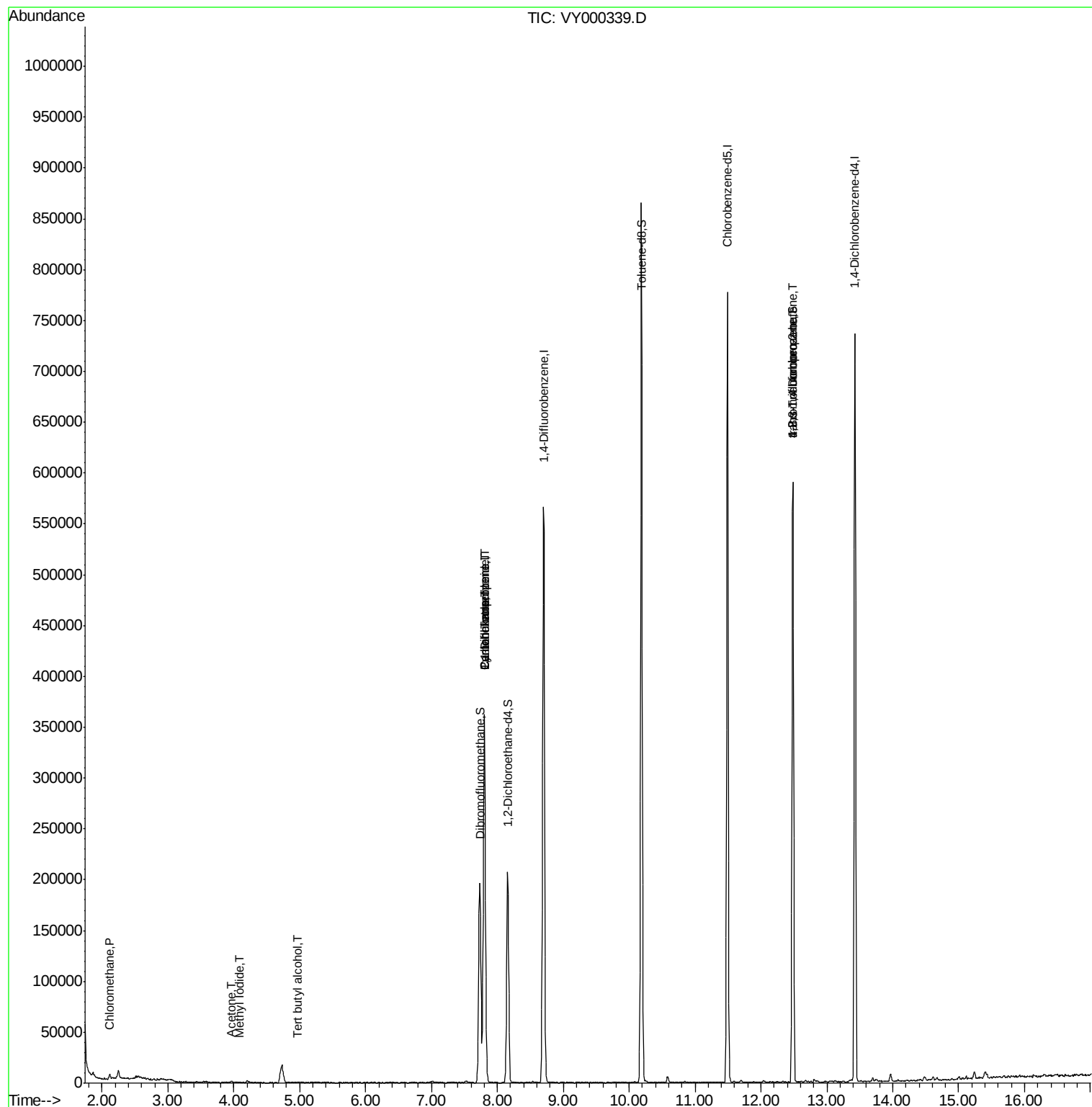
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	151	Below Cal	#	41
3) Chloromethane	2.12	50	3732	1.076	ug/l	94
10) Methyl Iodide	4.10	142	35	1.194	ug/l #	1
11) Tert butyl alcohol	4.97	59	368	1.175	ug/l #	73
16) Acetone	3.96	43	1466	1.512	ug/l #	88
20) Methylene Chloride	4.72	84	12775	Below Cal		89
31) Cyclohexane	7.81	56	5901	1.031	ug/l #	34
36) 1,1-Dichloropropene	7.80	75	22283	4.691	ug/l #	49
38) Carbon Tetrachloride	7.80	117	28384	6.172	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	96953	42.942	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	96953	93.956	ug/l #	14

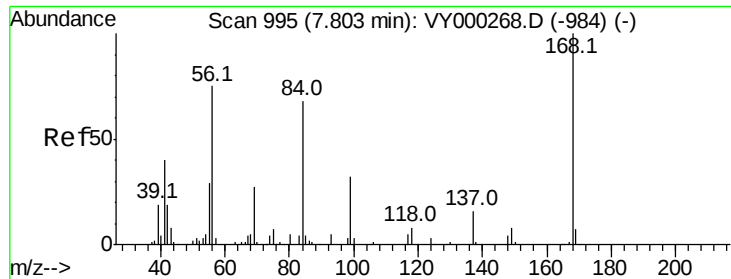
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY101719\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 17 02:03:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000339.D

Acq: 17 Oct 2019 12:25

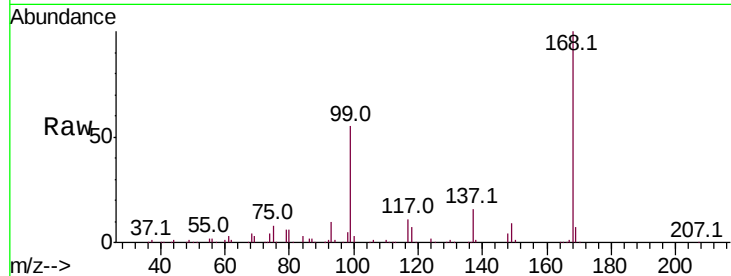
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 283743

Ion Ratio Lower Upper

168 100

99 55.1 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000339.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000339.D (-946) (-)

7.80

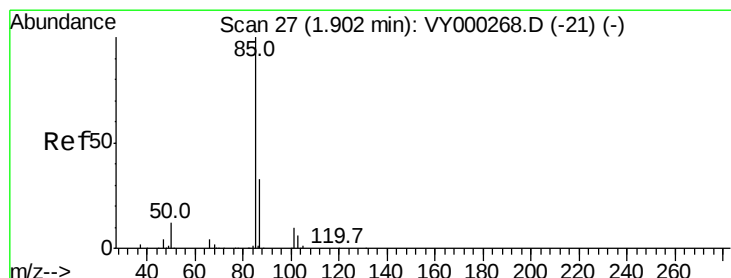
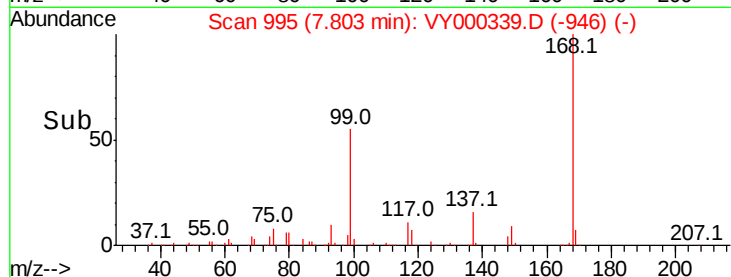
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000339.D

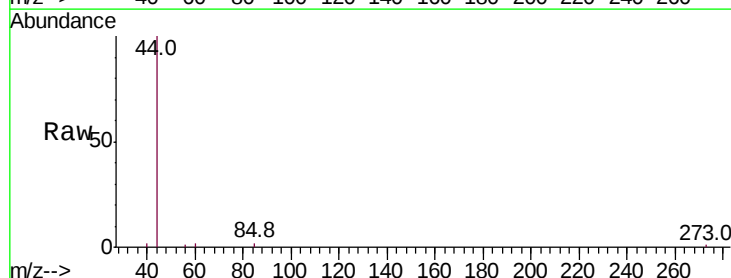
Acq: 17 Oct 2019 12:25

Tgt Ion: 85 Resp: 151

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000339.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000339.D (-1) (-)

1.90

150

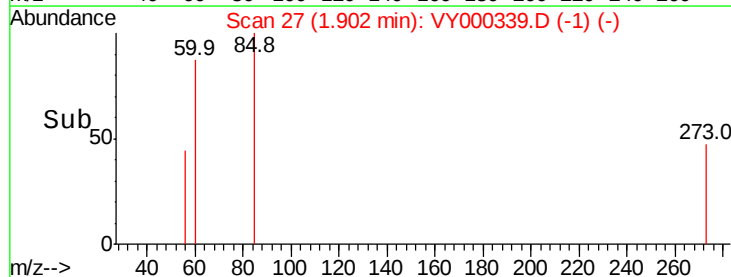
100

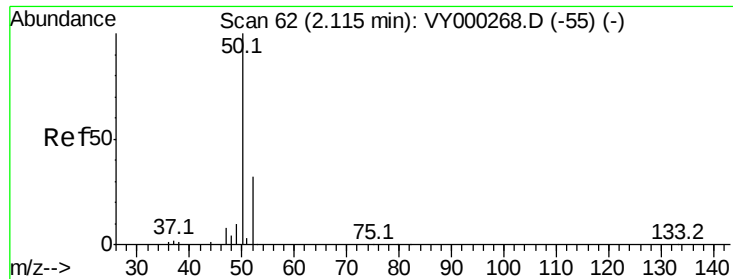
50

0

1.88 1.90 1.92 1.94

Time-->





#3

Chloromethane

Concen: 1.076 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000339.D

Acq: 17 Oct 2019 12:25

Instrument :

MSVOA_Y

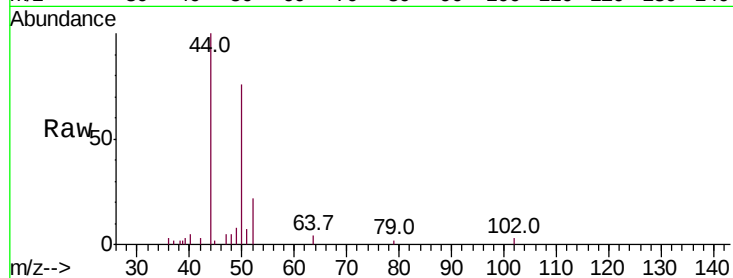
ClientSampleId :

Tot Ion: 50 Resp: 3732

Ion Ratio Lower Upper

50 100

52 28.5 25.3 37.9



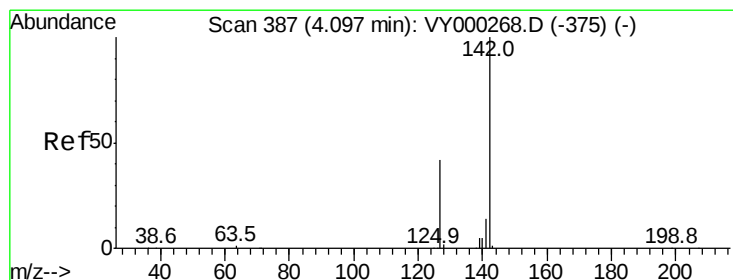
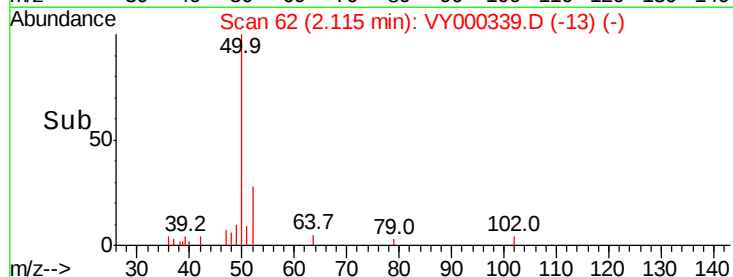
Abundance Ion 49.90 (49.60 to 50.60): VY000339.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY000339.D (-13) (-)

2.12

Time-->

2.05 2.10 2.15



#10

Methyl Iodide

Concen: 1.194 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000339.D

Acq: 17 Oct 2019 12:25

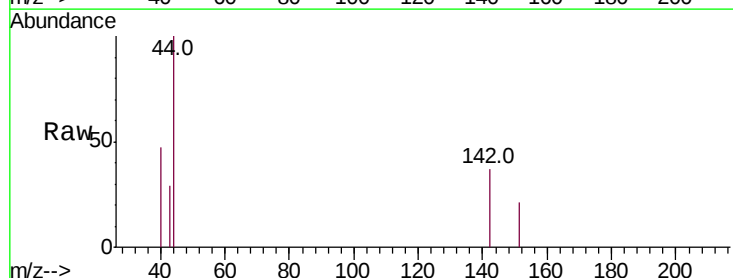
Tgt Ion: 142 Resp: 35

Ion Ratio Lower Upper

142 100

127 140.0 33.9 50.9#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): VY000339.D (-338) (-)

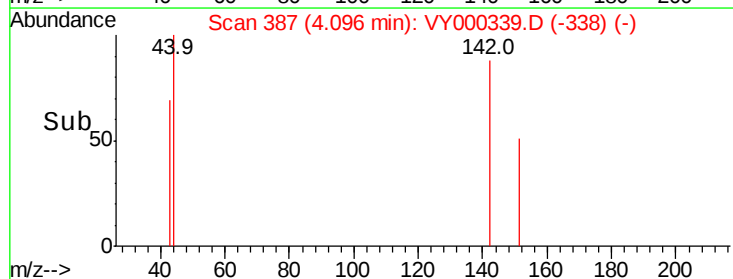
Ion 126.80 (126.50 to 127.50): VY000339.D (-338) (-)

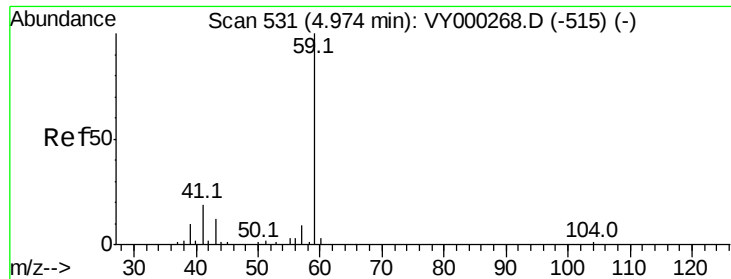
Ion 140.80 (140.50 to 141.50): VY000339.D (-338) (-)

4.10

Time-->

4.08 4.09 4.10

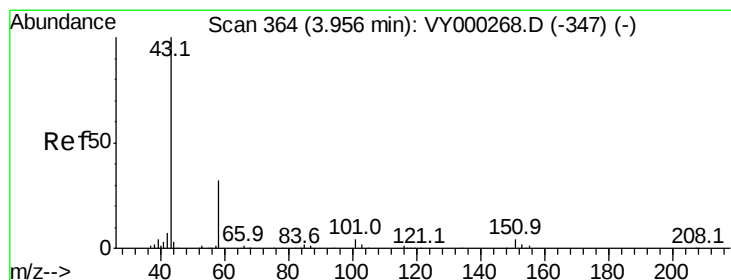
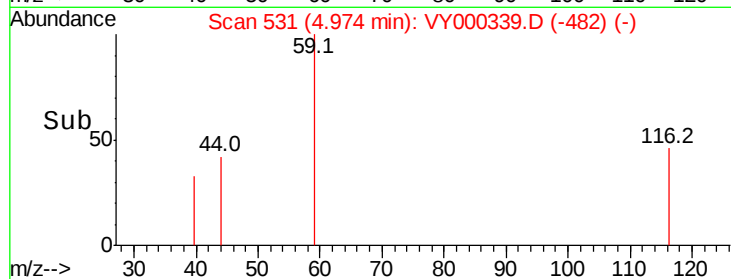
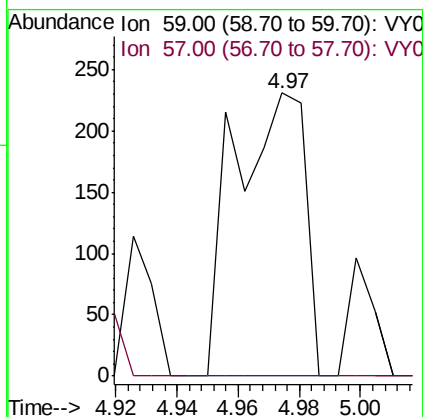
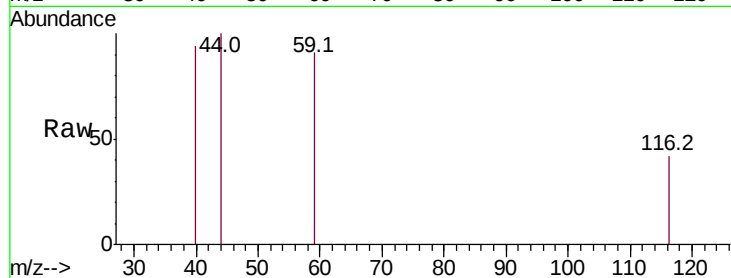




#11
Tert butyl alcohol
Concen: 1.175 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.00 min
Lab File: VY000339.D
Acq: 17 Oct 2019 12:25

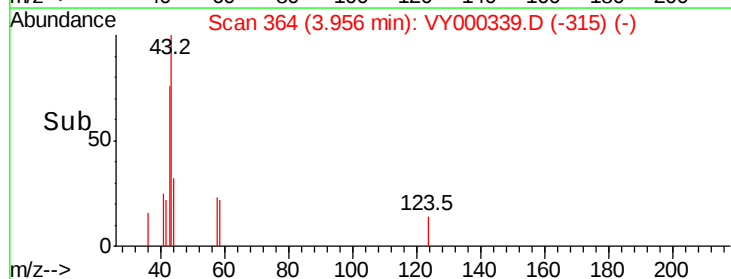
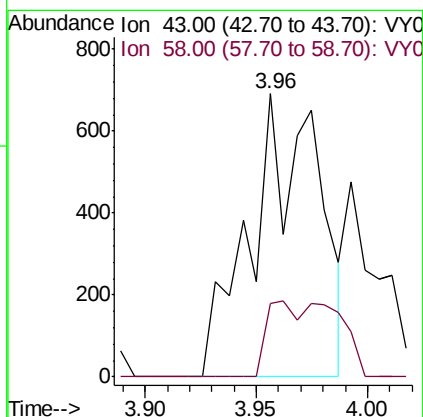
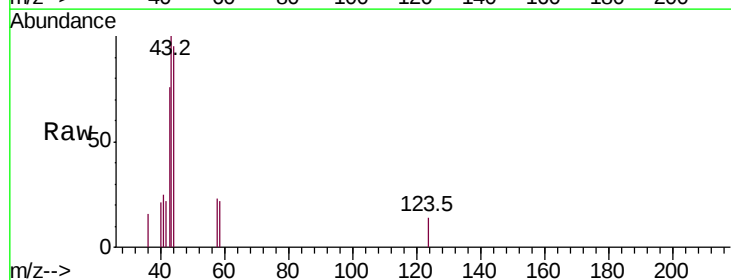
Instrument :
MSVOA_Y
ClientSampleId :

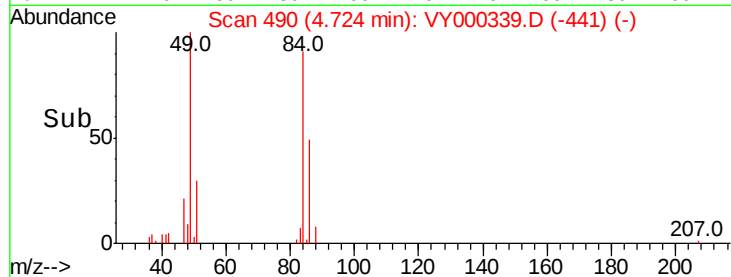
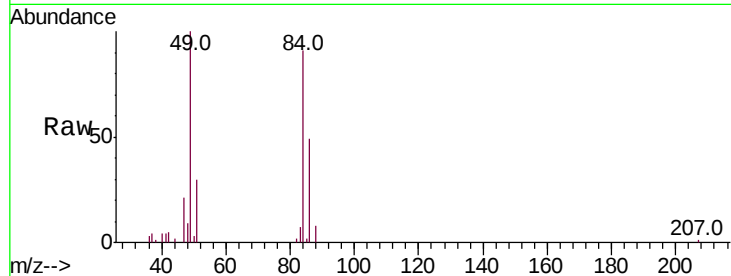
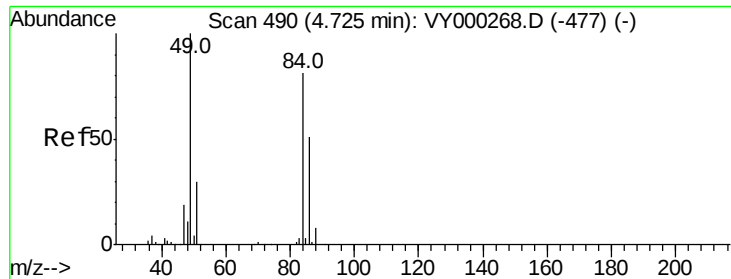
Tot Ion: 59 Resp: 368
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 1.512 ug/l
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VY000339.D
Acq: 17 Oct 2019 12:25

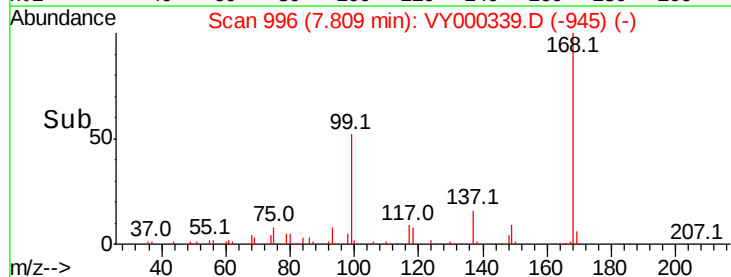
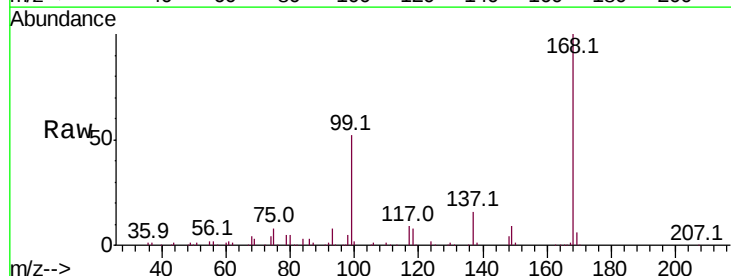
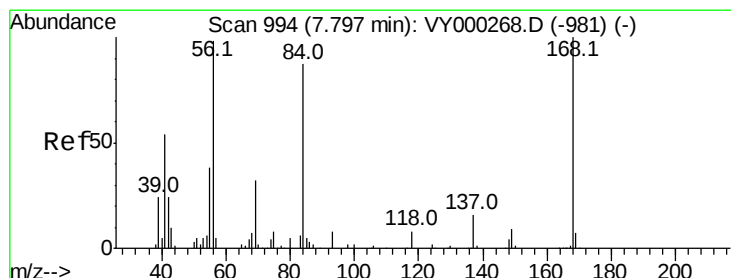
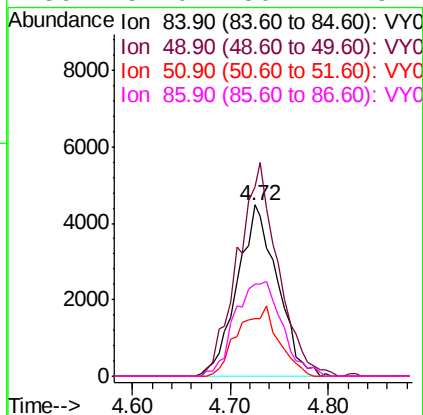
Tgt Ion: 43 Resp: 1466
Ion Ratio Lower Upper
43 100
58 25.8 25.8 38.6#





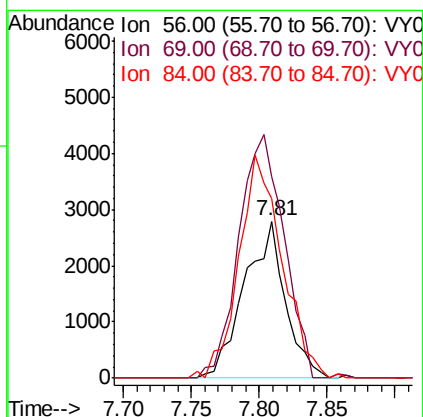
#20
Methylene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000339.D
Acq: 17 Oct 2019 12:25

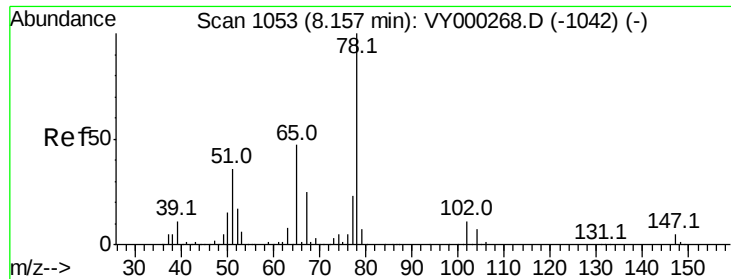
Tot Ion:	84	Resp:	12775
Ion	Ratio	Lower	Upper
84	100		
49	110.4	99.0	148.4
51	33.4	29.3	43.9
86	54.0	50.2	75.4



#31
Cyclohexane
Concen: 1.031 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.01 min
Lab File: VY000339.D
Acq: 17 Oct 2019 12:25

Tgt Ion:	56	Resp:	5901
Ion	Ratio	Lower	Upper
56	100		
69	128.0	26.3	39.5#
84	114.2	70.8	106.2#

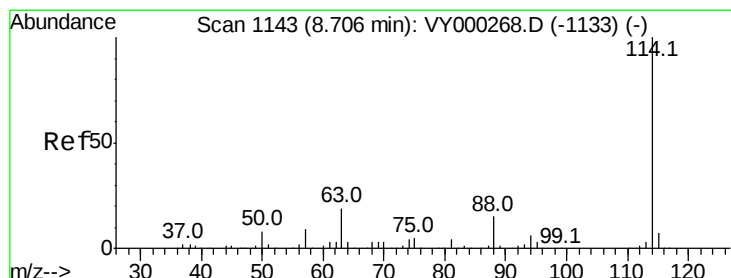
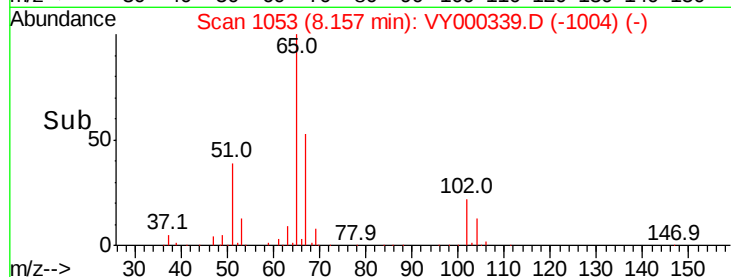
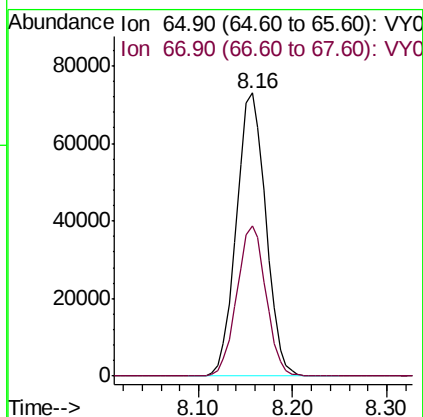
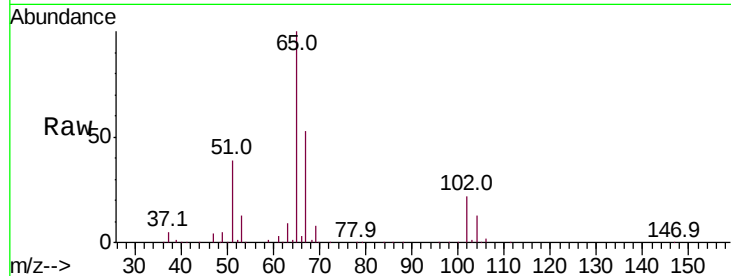




#33
 1,2-Dichloroethane-d4
 Concen: 53.276 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY000339.D
 Acq: 17 Oct 2019 12:25

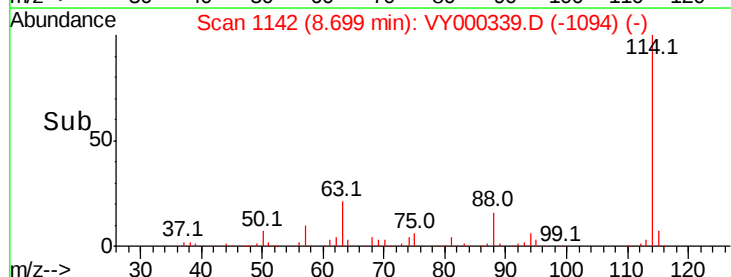
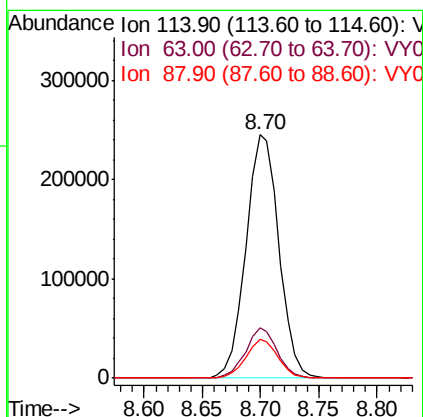
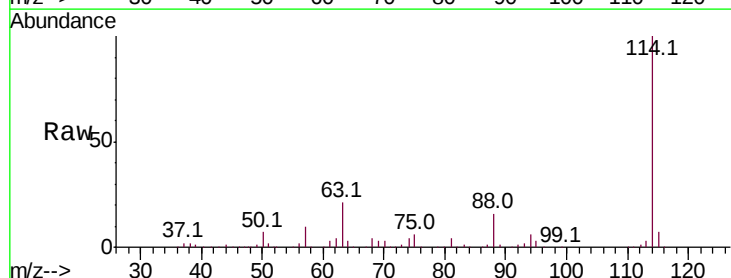
Instrument :
 MSVOA_Y
 ClientSampleId :

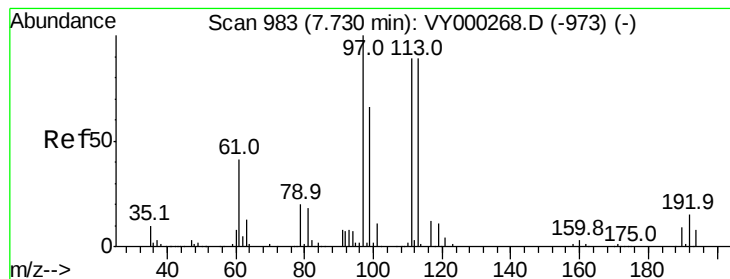
Tot Ion: 65 Resp: 159458
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000339.D
 Acq: 17 Oct 2019 12:25

Tgt Ion: 114 Resp: 485150
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 37.2
 88 16.0 0.0 30.2





#35

Dibromofluoromethane

Concen: 47.443 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000339.D

Acq: 17 Oct 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :

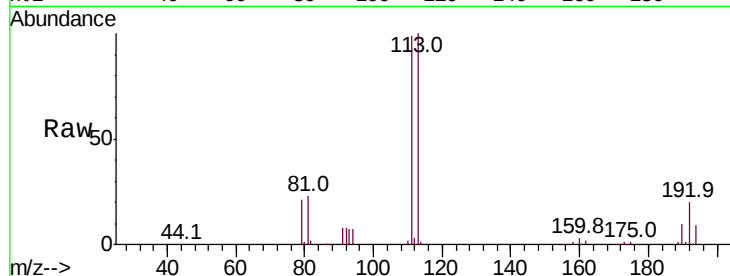
Tot Ion:113 Resp: 138840

Ion Ratio Lower Upper

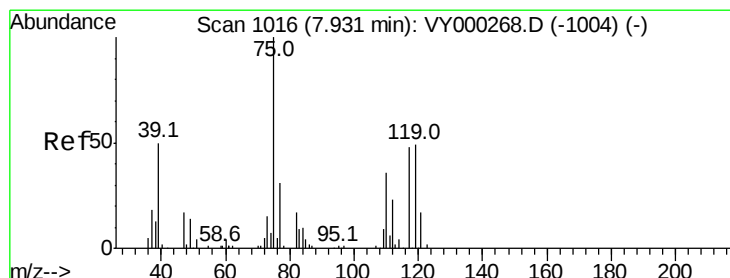
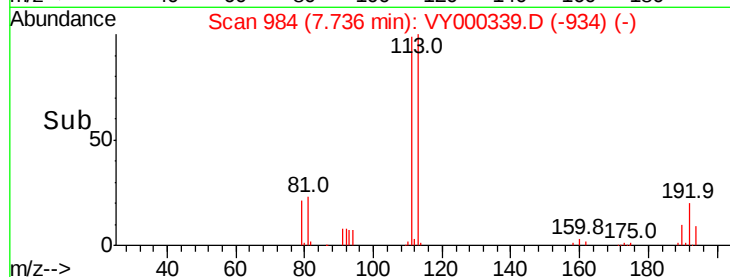
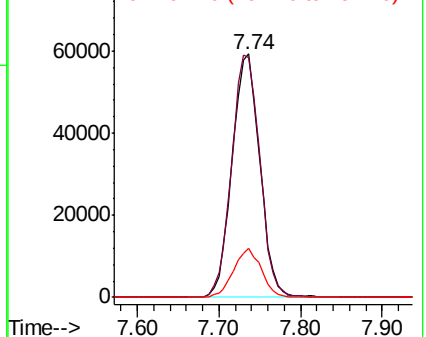
113 100

111 101.3 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: 4.691 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY000339.D

Acq: 17 Oct 2019 12:25

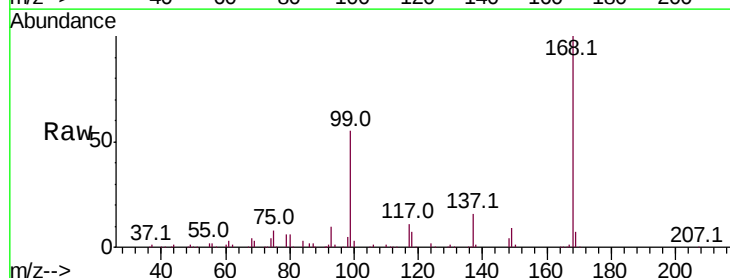
Tgt Ion: 75 Resp: 22283

Ion Ratio Lower Upper

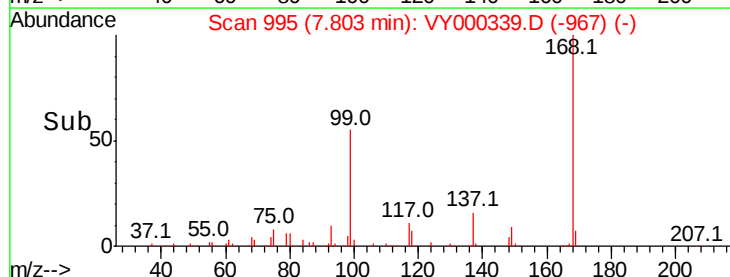
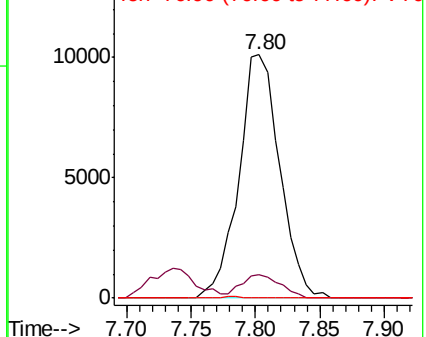
75 100

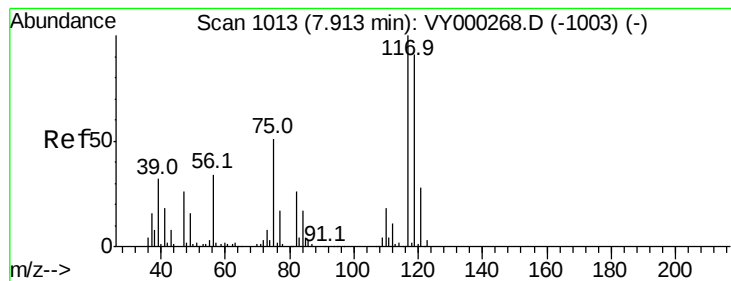
110 9.3 18.4 55.4#

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: 6.172 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000339.D

Acq: 17 Oct 2019 12:25

Instrument :

MSVOA_Y

ClientSampleId :

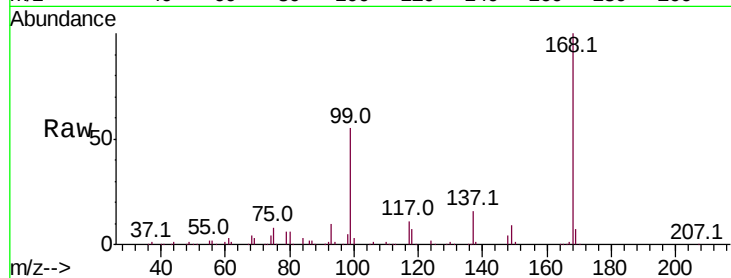
Tot Ion:117 Resp: 28384

Ion Ratio Lower Upper

117 100

119 3.8 72.8 109.2#

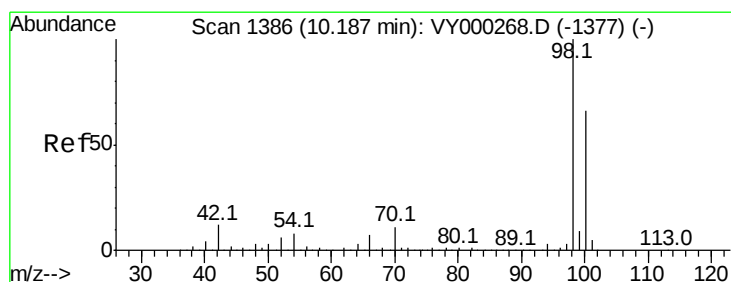
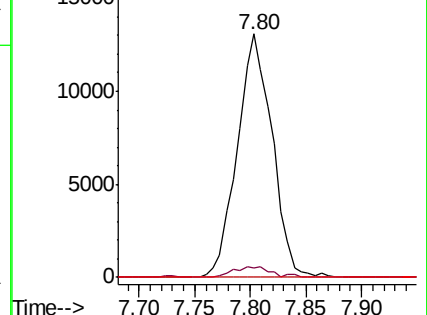
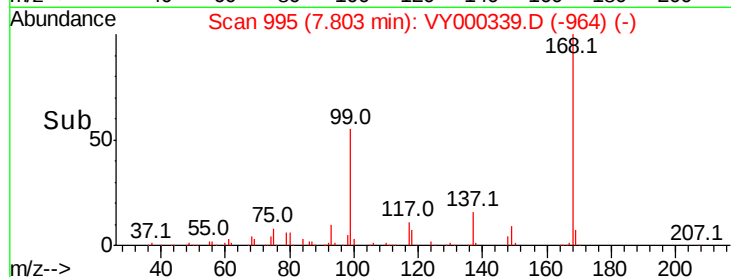
121 0.0 22.2 33.2#



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



#50

Toluene-d8

Concen: 49.021 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY000339.D

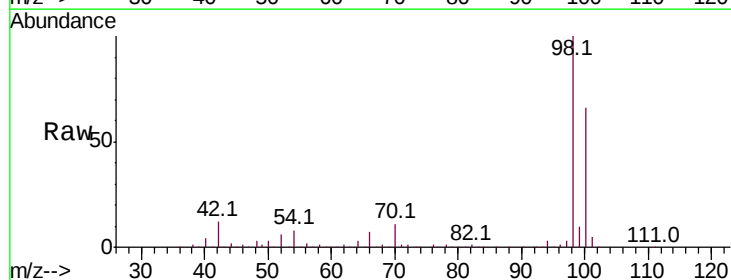
Acq: 17 Oct 2019 12:25

Tgt Ion: 98 Resp: 551843

Ion Ratio Lower Upper

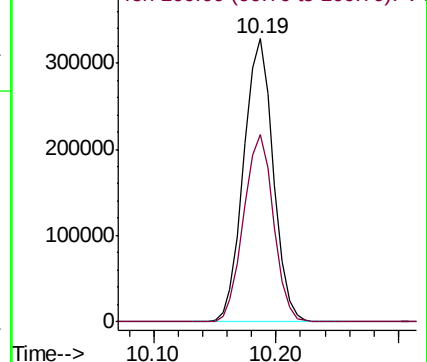
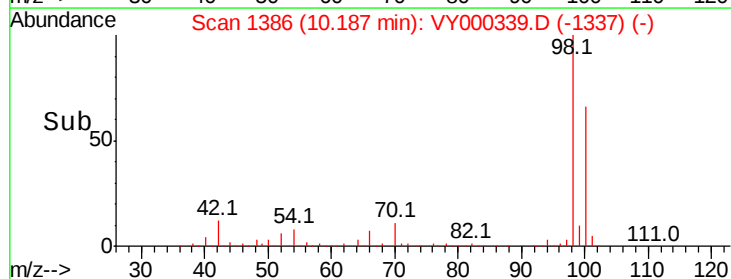
98 100

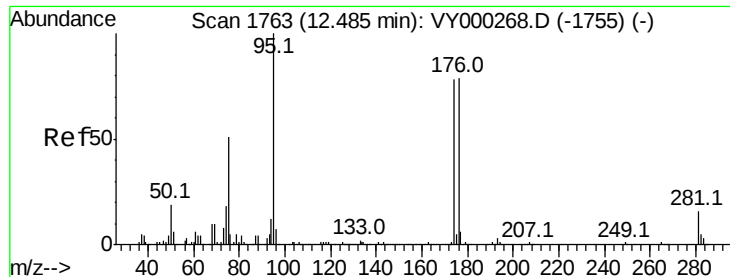
100 66.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

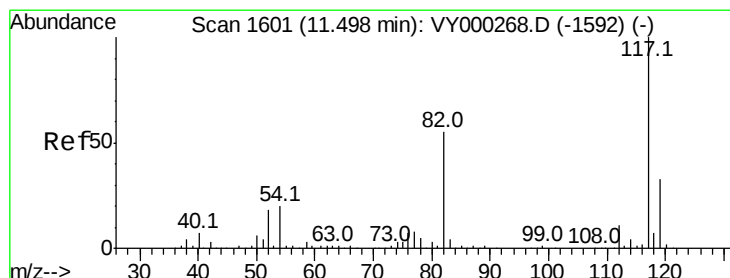
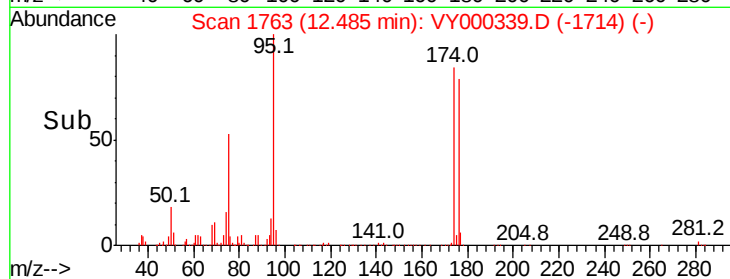
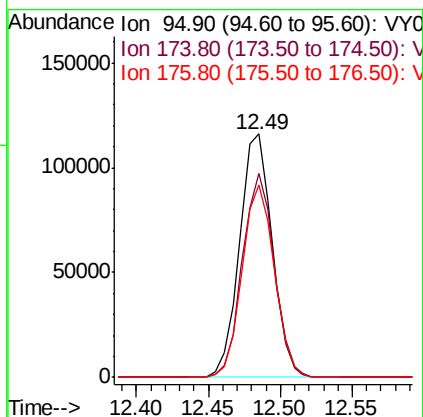
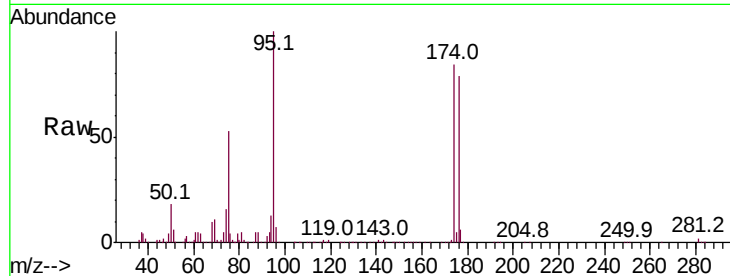




#62
4-Bromofluorobenzene
Concen: 42.523 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY000339.D
Acq: 17 Oct 2019 12:25

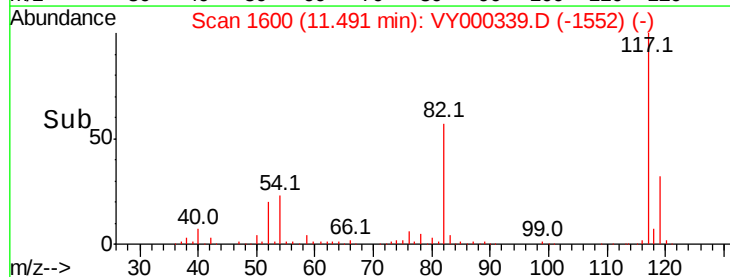
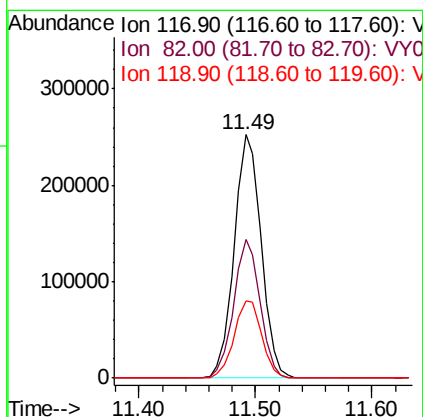
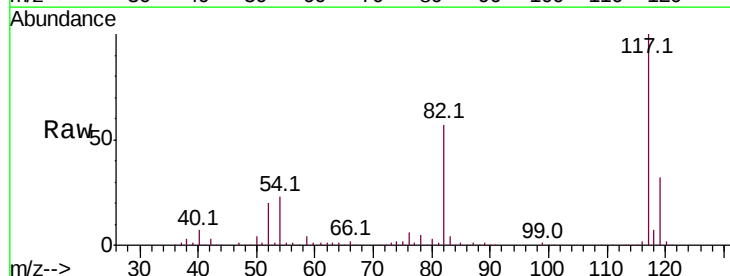
Instrument :
MSVOA_Y
ClientSampleId :

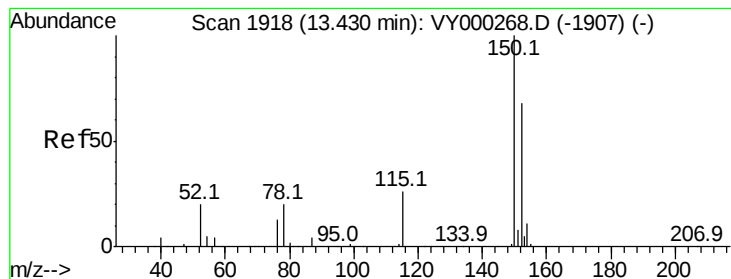
Tot Ion: 95 Resp: 181862
Ion Ratio Lower Upper
95 100
174 81.6 0.0 159.6
176 77.9 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000339.D
Acq: 17 Oct 2019 12:25

Tgt Ion: 117 Resp: 408269
Ion Ratio Lower Upper
117 100
82 57.2 43.7 65.5
119 31.9 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VY000339.D

Acq: 17 Oct 2019 12:25

Instrument :

MSVOA_Y

ClientSampleId :

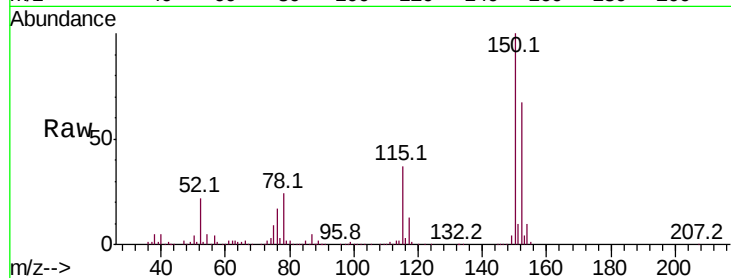
Tot Ion:152 Resp: 183609

Ion Ratio Lower Upper

152 100

115 58.0 29.3 88.0

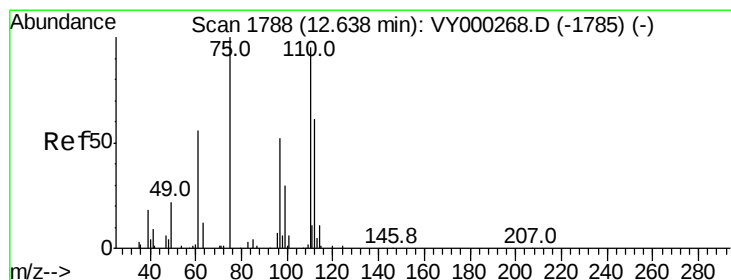
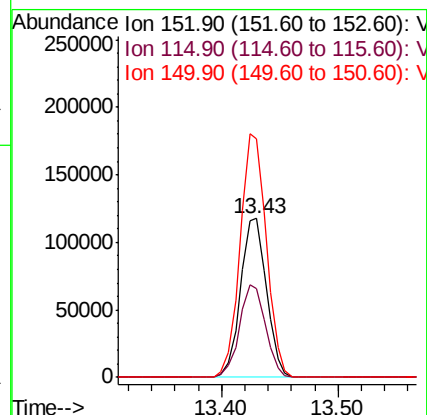
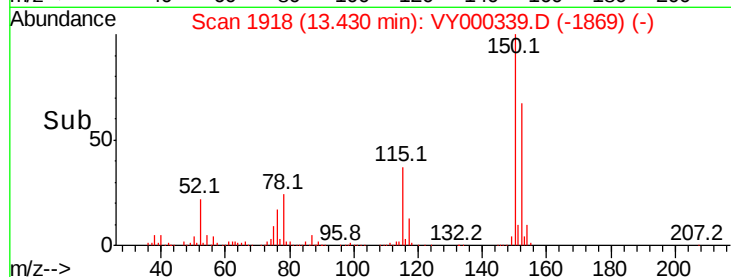
150 154.4 0.0 348.4



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: 42.942 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000339.D

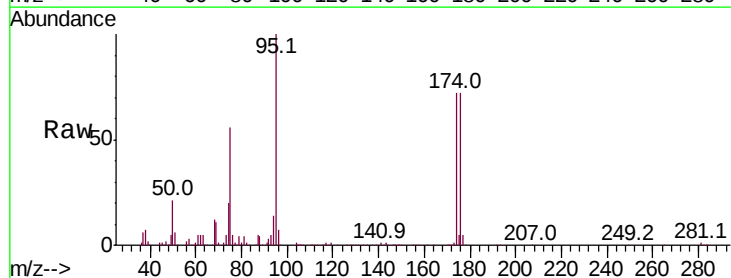
Acq: 17 Oct 2019 12:25

Tgt Ion: 75 Resp: 96953

Ion Ratio Lower Upper

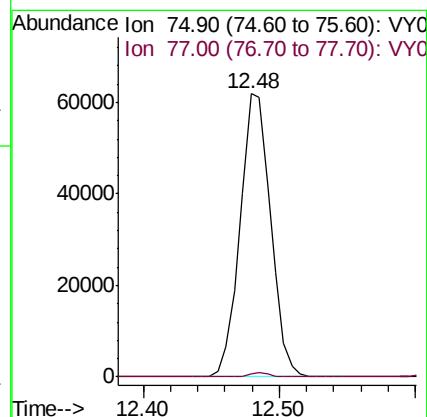
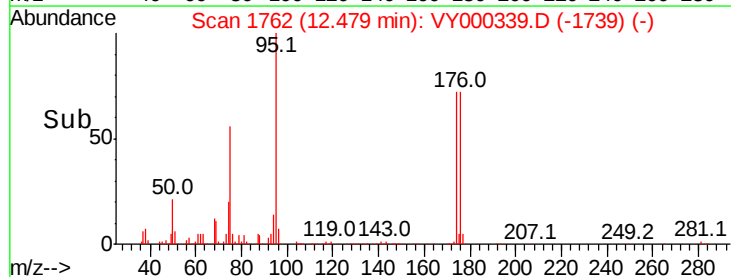
75 100

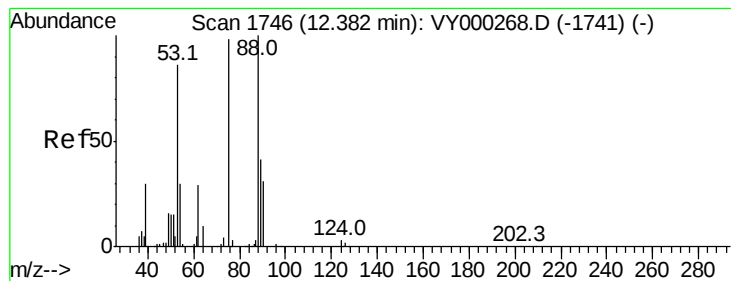
77 1.1 0.0 0.0#



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: 93.956 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000339.D

Acq: 17 Oct 2019 12:25

Instrument :

MSVOA_Y

ClientSampleId :

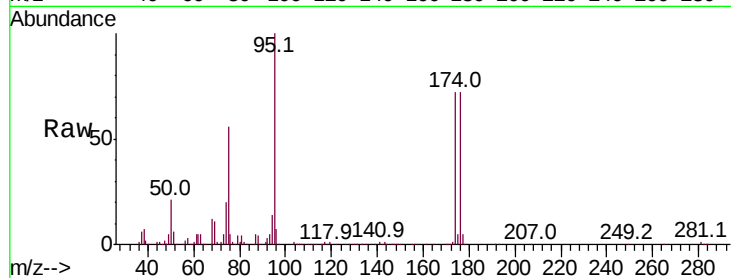
Tot Ion: 75 Resp: 96953

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.1 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

