

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000280.D
 Acq On : 11 Oct 2019 18:58
 Operator : SY/MD
 Sample : K5316-05
 Misc : 7.02G/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 14 07:38:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 07:29:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	216193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	402303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	346663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	158156	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	135797	59.55	ug/l	0.00
Spiked Amount			Recovery	=	119.10%	
35) Dibromofluoromethane	7.74	113	118874	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
50) Toluene-d8	10.19	98	457053	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
62) 4-Bromofluorobenzene	12.48	95	156670	44.18	ug/l	0.00
Spiked Amount			Recovery	=	88.36%	

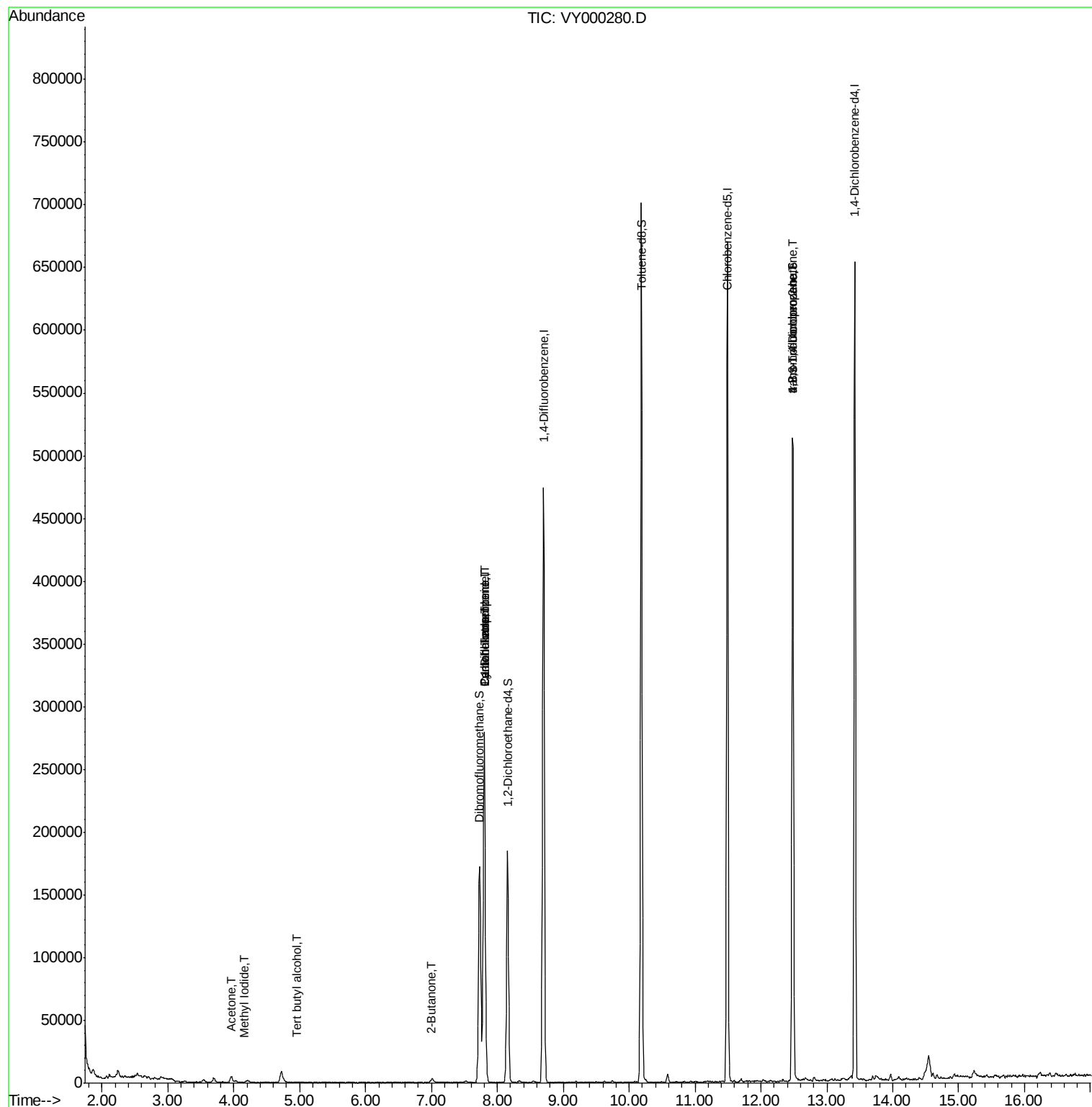
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	48	Below Cal	#	41
5) Bromomethane	2.65	94	56	Below Cal	#	3
10) Methyl Iodide	4.16	142	45	1.200	ug/l #	41
11) Tert butyl alcohol	4.96	59	369	1.546	ug/l #	86
16) Acetone	3.96	43	8996	12.181	ug/l	91
20) Methylene Chloride	4.73	84	6255	Below Cal	#	77
25) 2-Butanone	7.01	43	1949	1.873	ug/l	99
31) Cyclohexane	7.80	56	4459	1.022	ug/l #	27
36) 1,1-Dichloropropene	7.80	75	16492	4.187	ug/l #	49
38) Carbon Tetrachloride	7.80	117	21747	5.702	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	82241	42.288	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	82241	92.525	ug/l #	14

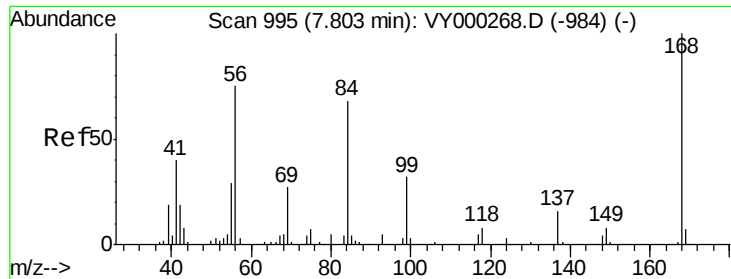
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000280.D

Acq: 11 Oct 2019 18:58

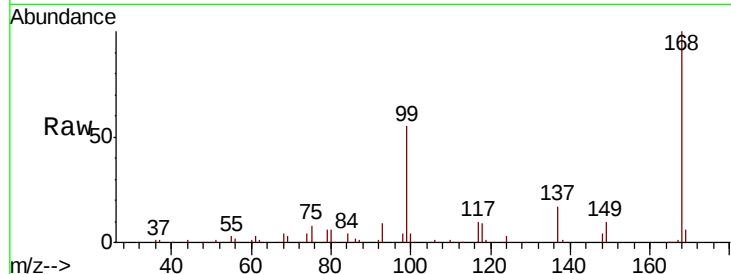
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 216193

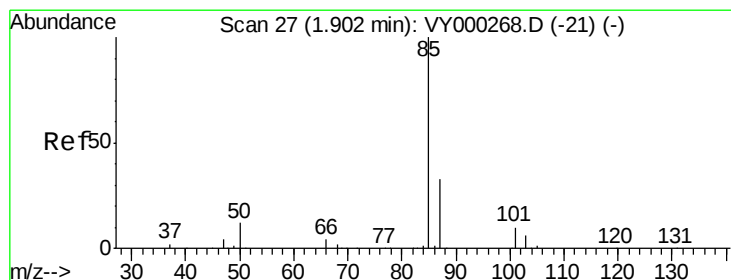
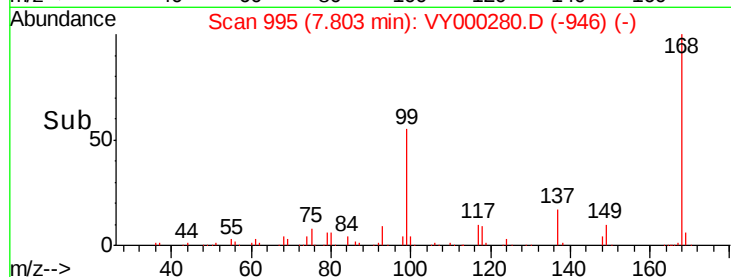
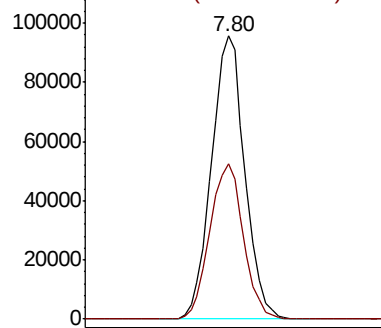
Ion Ratio Lower Upper

168 100

99 54.8 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000280.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000280.D

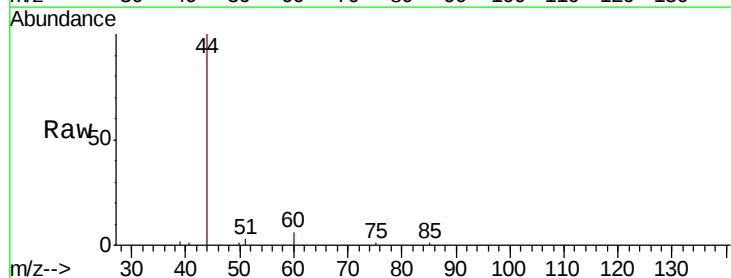
Acq: 11 Oct 2019 18:58

Tgt Ion: 85 Resp: 48

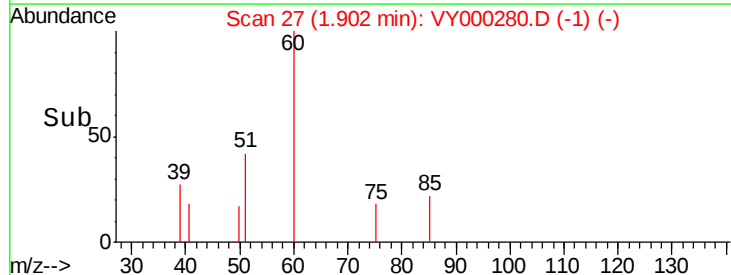
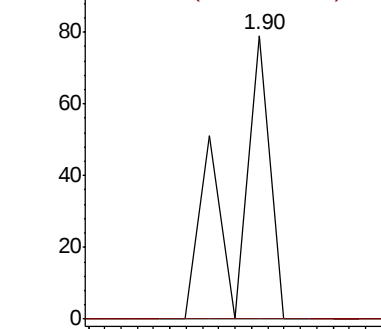
Ion Ratio Lower Upper

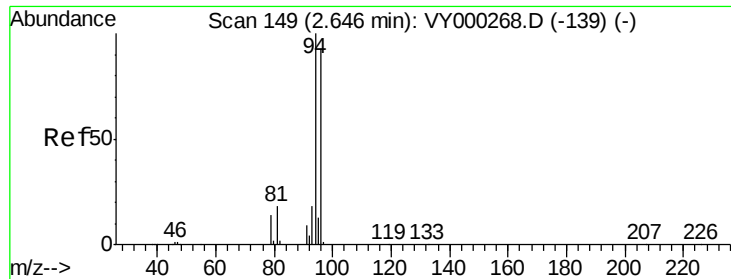
85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000280.D (-1) (-)





#5

Bromomethane

Concen: Below Cal

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY000280.D

Acq: 11 Oct 2019 18:58

Instrument :

MSVOA_Y

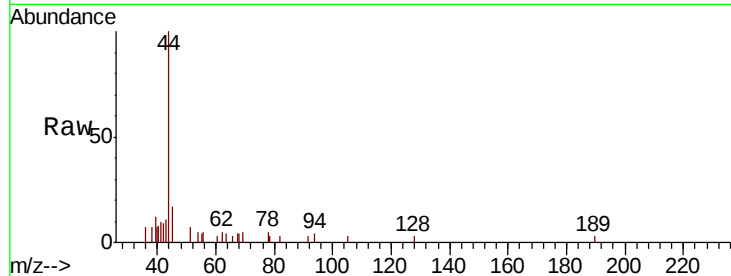
ClientSampleId :

Tot Ion: 94 Resp: 56

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

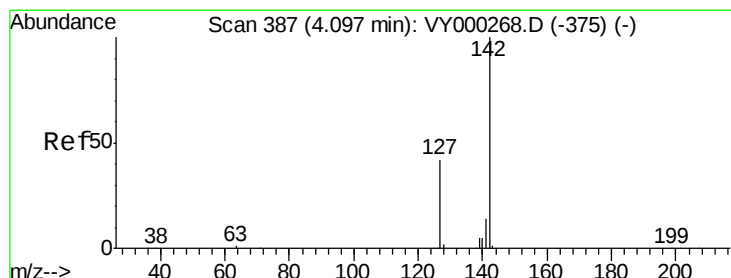
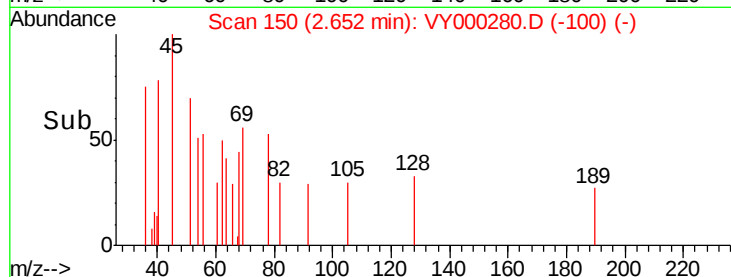
100

50

2.65

0

Time--> 2.63 2.64 2.65 2.66 2.67



#10

Methyl Iodide

Concen: 1.200 ug/l

RT: 4.16 min Scan# 398

Delta R.T. 0.07 min

Lab File: VY000280.D

Acq: 11 Oct 2019 18:58

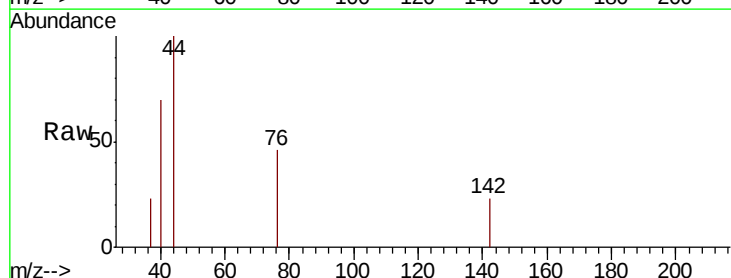
Tgt Ion: 142 Resp: 45

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

80

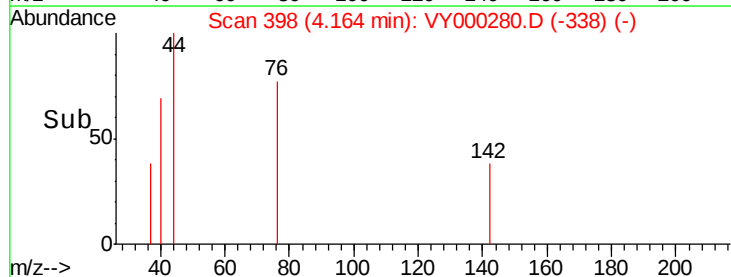
60

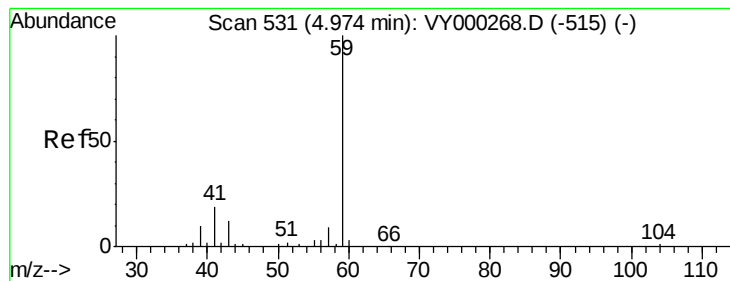
40

20

0

Time--> 4.14 4.16 4.18



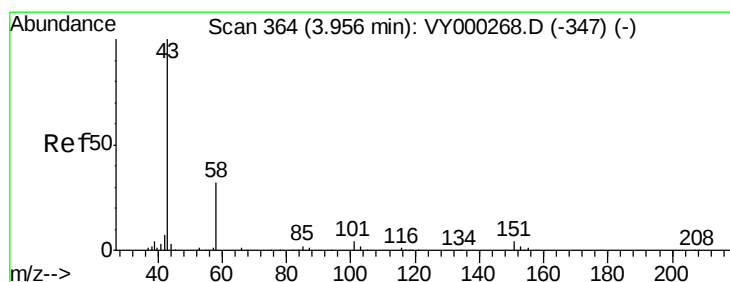
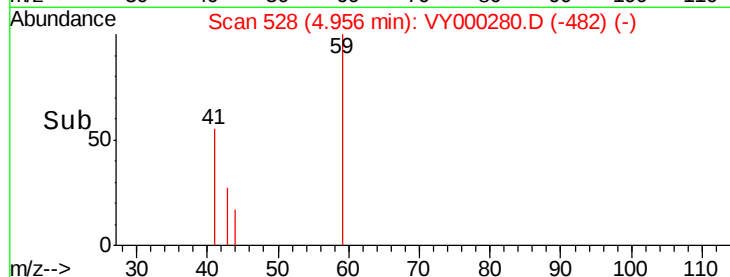
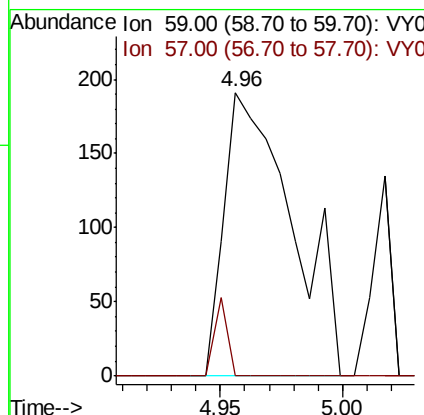
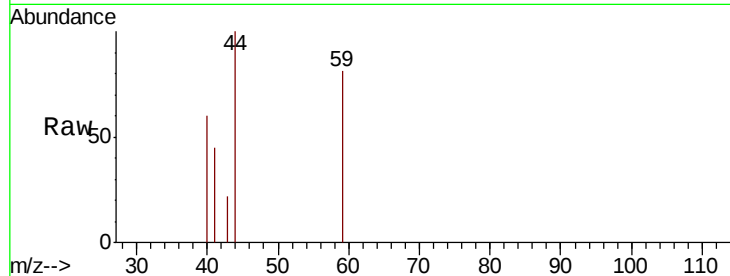


#11

Tert butyl alcohol
 Concen: 1.546 ug/l
 RT: 4.96 min Scan# 528
 Delta R.T. -0.02 min
 Lab File: VY000280.D
 Acq: 11 Oct 2019 18:58

Instrument :
 MSVOA_Y
 ClientSampleId :

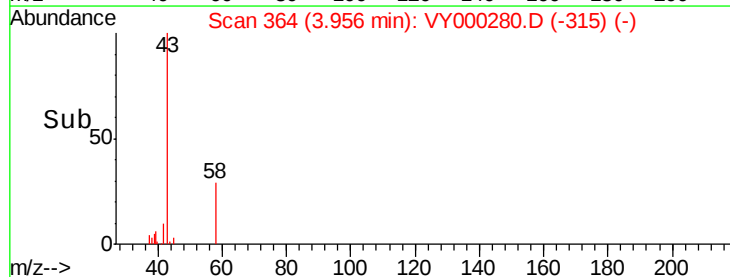
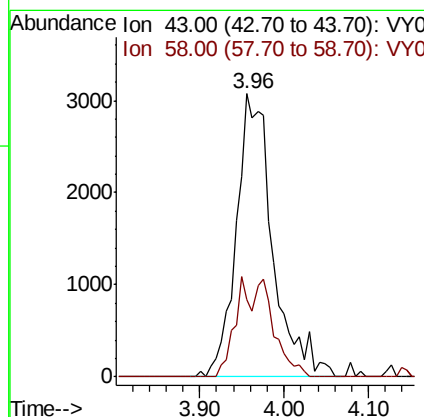
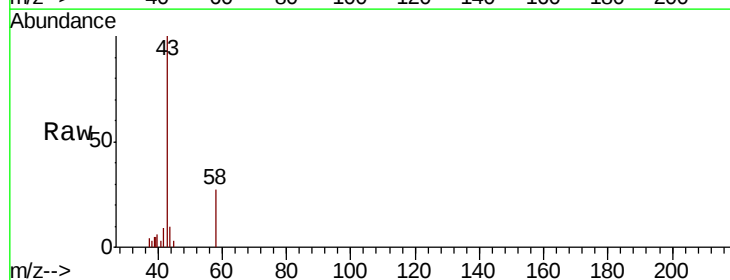
Tot Ion: 59 Resp: 369
 Ion Ratio Lower Upper
 59 100
 57 5.1 8.2 12.2#

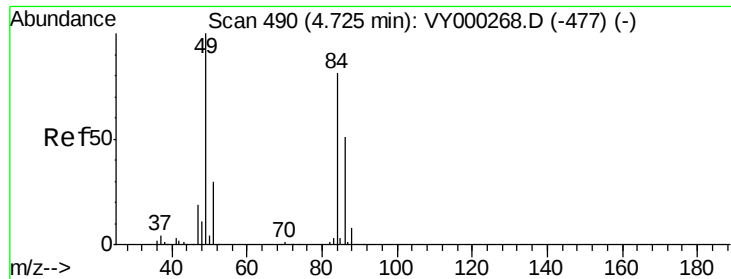


#16

Acetone
 Concen: 12.181 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VY000280.D
 Acq: 11 Oct 2019 18:58

Tgt Ion: 43 Resp: 8996
 Ion Ratio Lower Upper
 43 100
 58 27.3 25.8 38.6

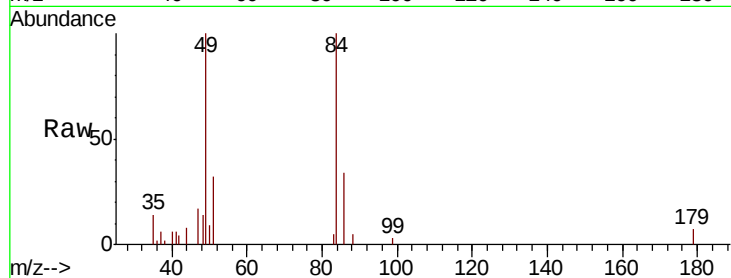




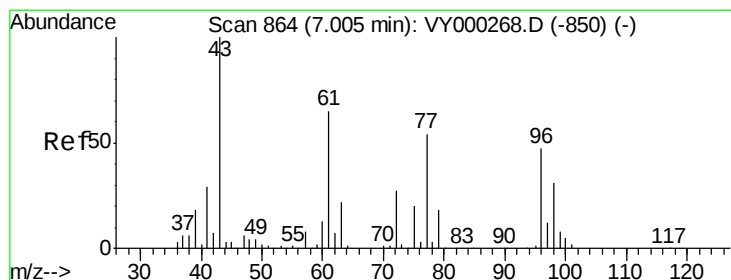
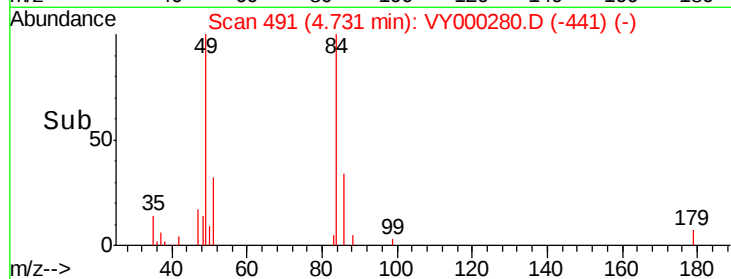
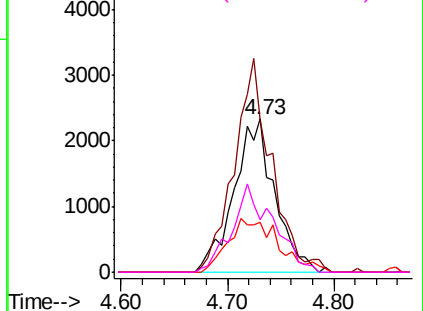
#20
Methylene Chloride
Concen: Below Cal
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000280.D
Acq: 11 Oct 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 6255
Ion Ratio Lower Upper
84 100
49 99.7 99.0 148.4
51 32.5 29.3 43.9
86 34.5 50.2 75.4#

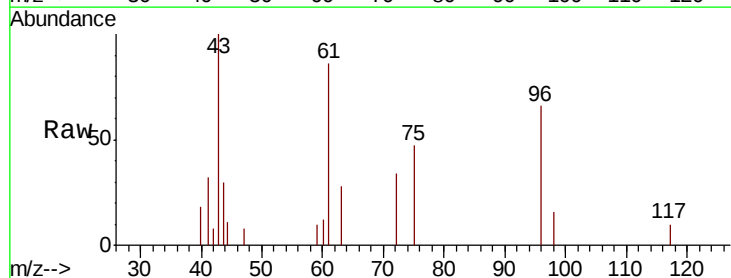


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

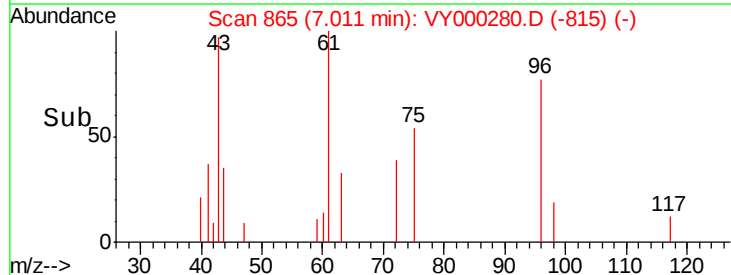
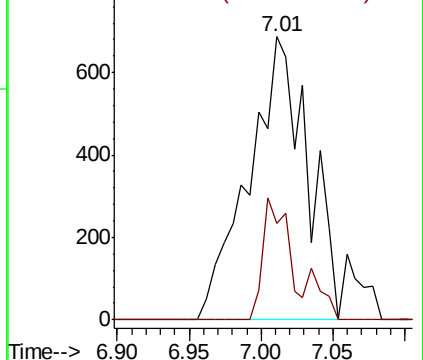


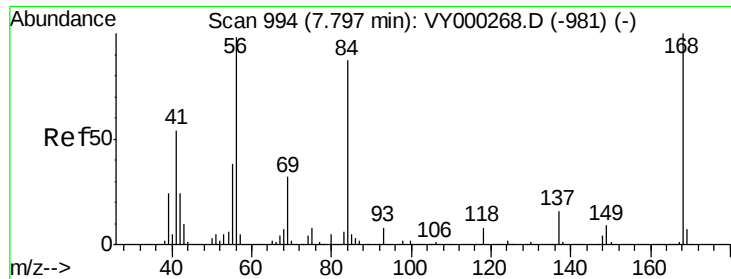
#25
2-Butanone
Concen: 1.873 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY000280.D
Acq: 11 Oct 2019 18:58

Tgt Ion: 43 Resp: 1949
Ion Ratio Lower Upper
43 100
72 26.1 21.4 32.2



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

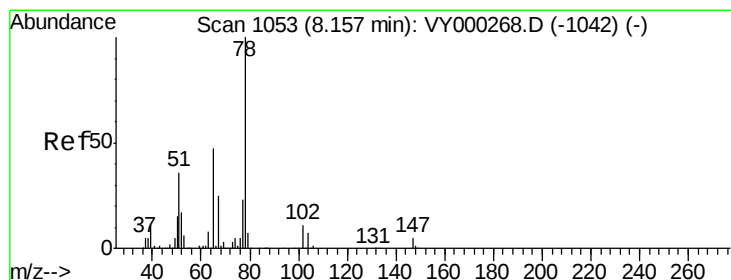
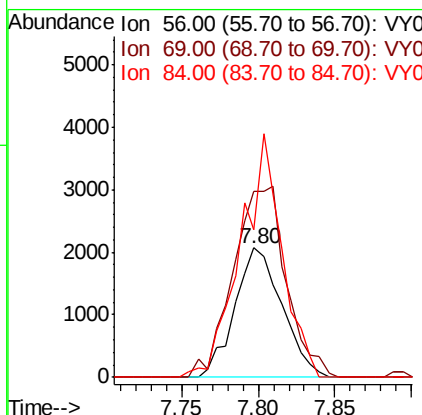
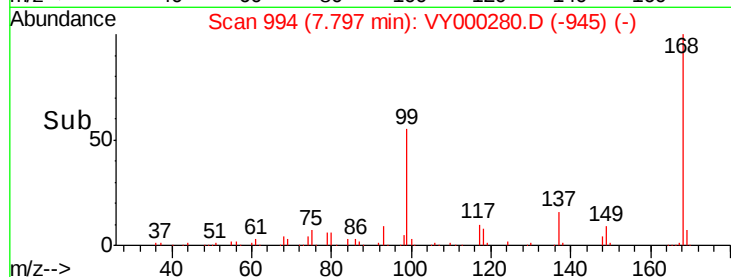
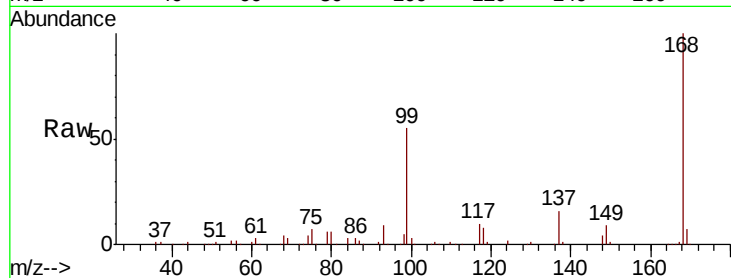




#31
Cyclohexane
Concen: 1.022 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.00 min
Lab File: VY000280.D
Acq: 11 Oct 2019 18:58

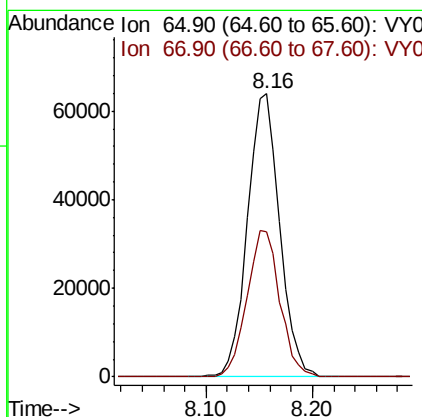
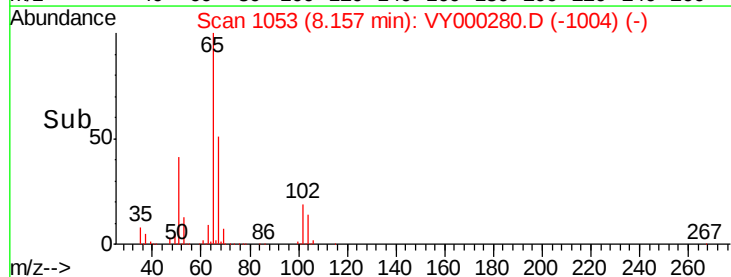
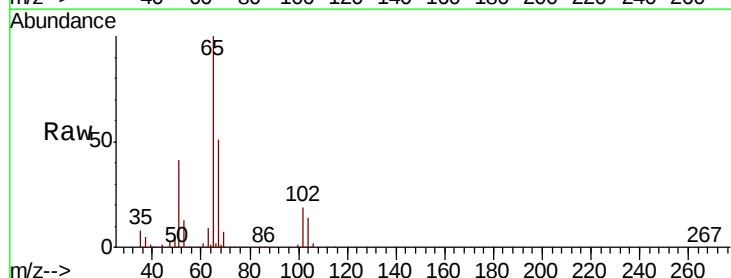
Instrument :
MSVOA_Y
ClientSampleId :

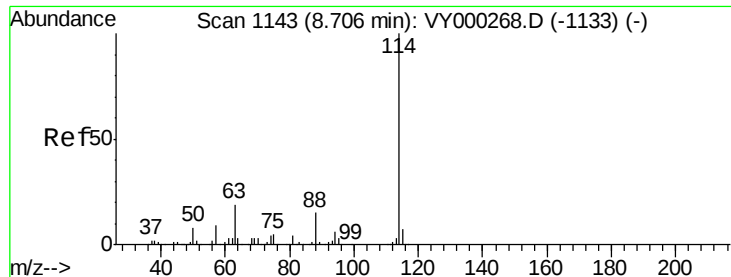
Tot Ion: 56 Resp: 4459
Ion Ratio Lower Upper
56 100
69 143.4 26.3 39.5#
84 113.7 70.8 106.2#



#33
1,2-Dichloroethane-d4
Concen: 59.547 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VY000280.D
Acq: 11 Oct 2019 18:58

Tgt Ion: 65 Resp: 135797
Ion Ratio Lower Upper
65 100
67 52.7 0.0 109.4

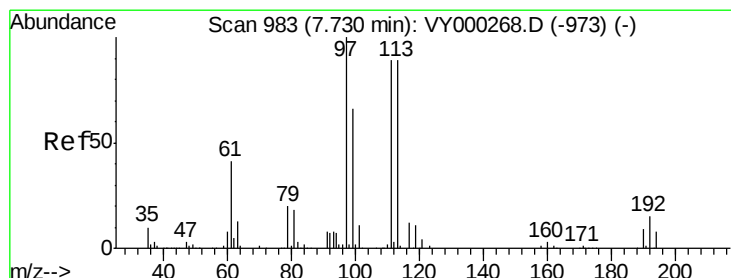
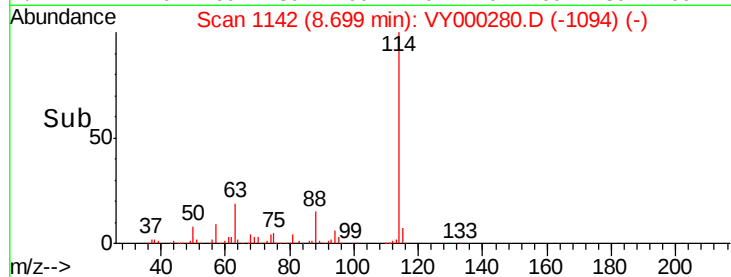
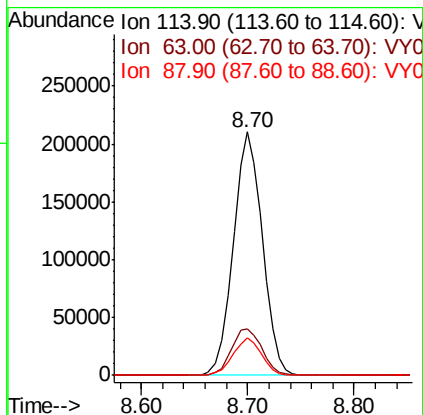
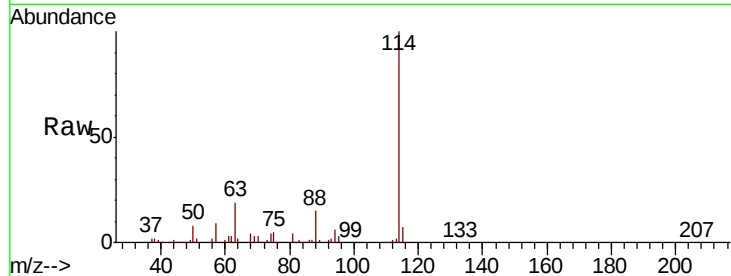




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000280.D
 Acq: 11 Oct 2019 18:58

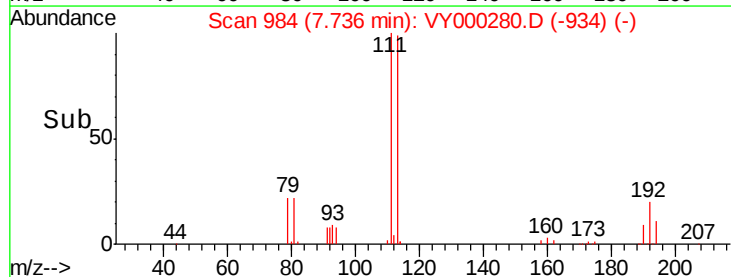
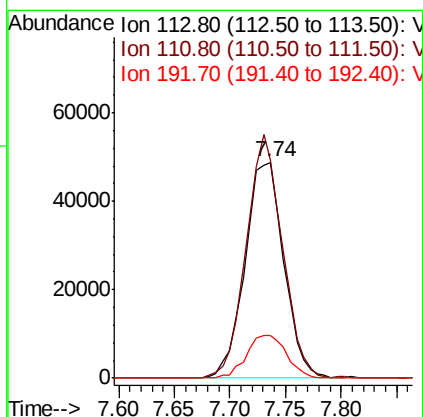
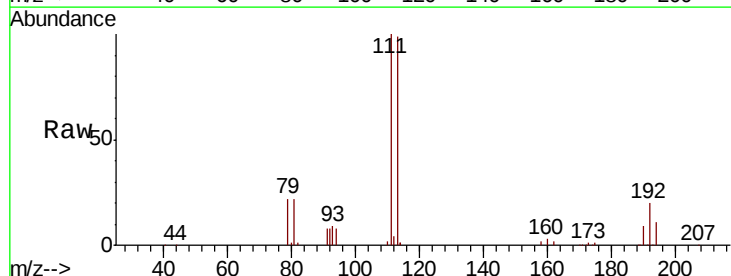
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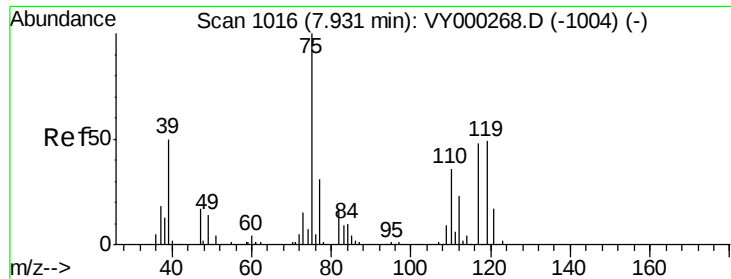
Tot Ion:114 Resp: 402303
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.2
 88 15.3 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 48.985 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.01 min
 Lab File: VY000280.D
 Acq: 11 Oct 2019 18:58

Tgt Ion:113 Resp: 118874
 Ion Ratio Lower Upper
 113 100
 111 104.5 81.6 122.4
 192 20.4 15.3 22.9

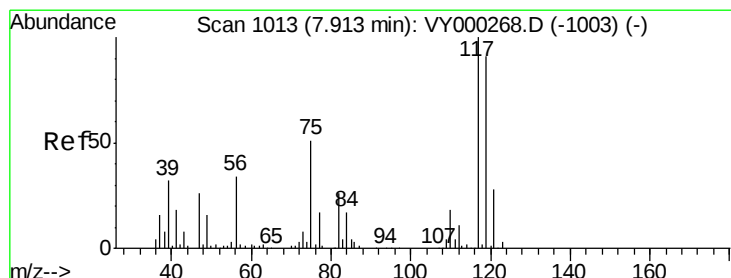
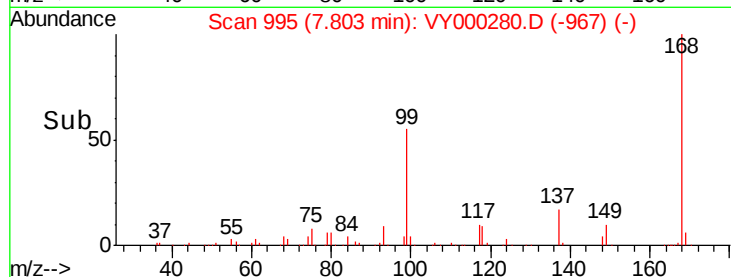
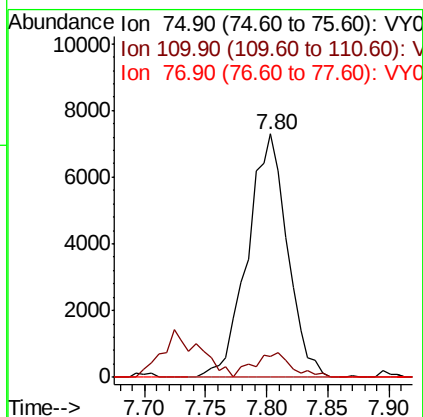
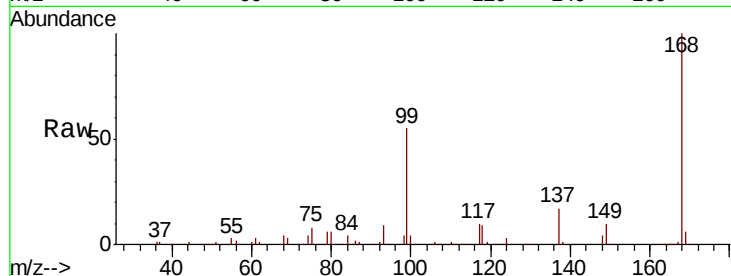




#36
 1,1-Dichloropropene
 Concen: 4.187 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000280.D
 Acq: 11 Oct 2019 18:58

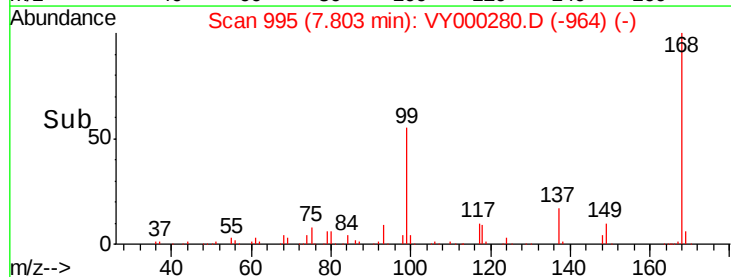
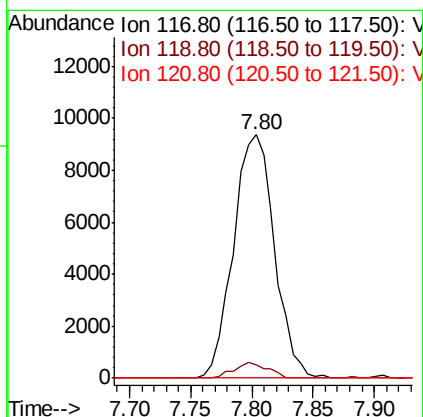
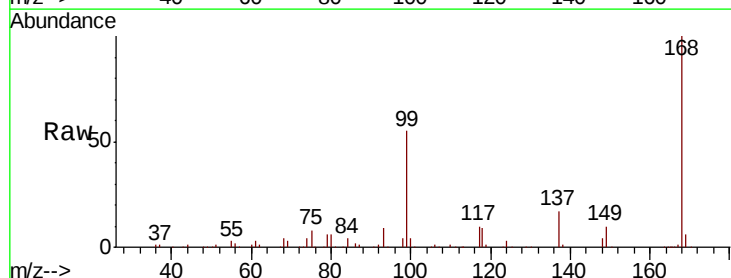
Instrument :
 MSVOA_Y
 ClientSampleId :

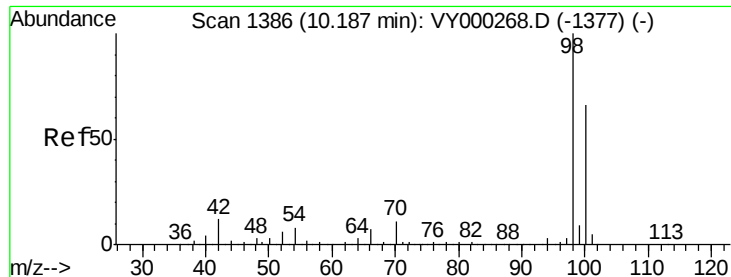
Tot Ion: 75 Resp: 16492
 Ion Ratio Lower Upper
 75 100
 110 9.6 18.4 55.4#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.702 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000280.D
 Acq: 11 Oct 2019 18:58

Tgt Ion: 117 Resp: 21747
 Ion Ratio Lower Upper
 117 100
 119 5.5 72.8 109.2#
 121 0.0 22.2 33.2#





#50

Toluene-d8

Concen: 48.961 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY000280.D

Acq: 11 Oct 2019 18:58

Instrument :

MSVOA_Y

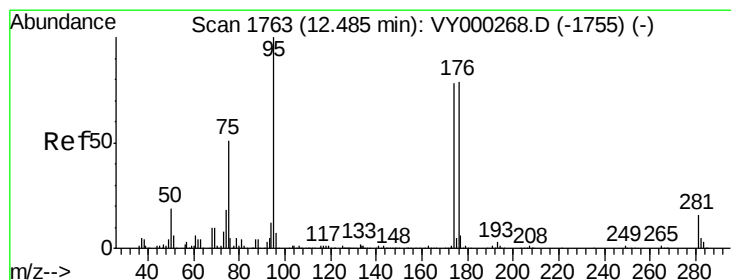
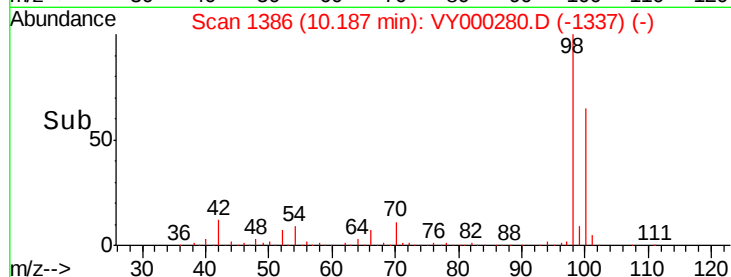
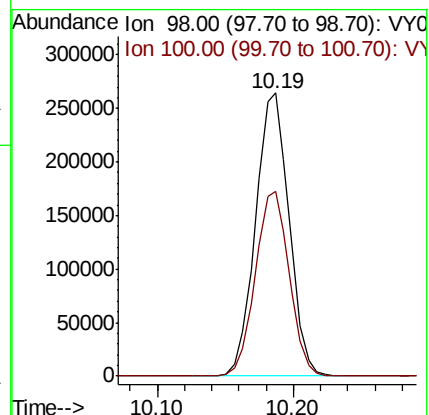
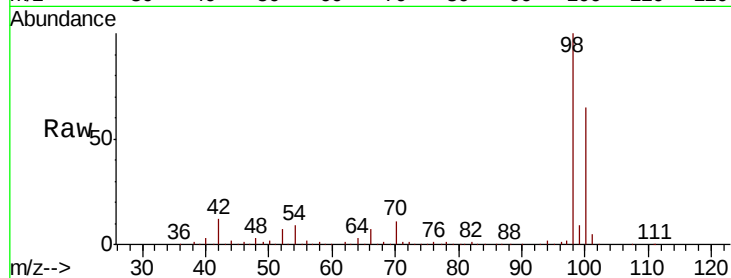
ClientSampleId :

Tot Ion: 98 Resp: 457053

Ion Ratio Lower Upper

98 100

100 66.0 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 44.176 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000280.D

Acq: 11 Oct 2019 18:58

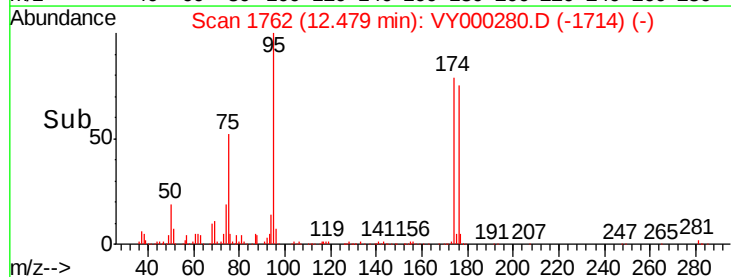
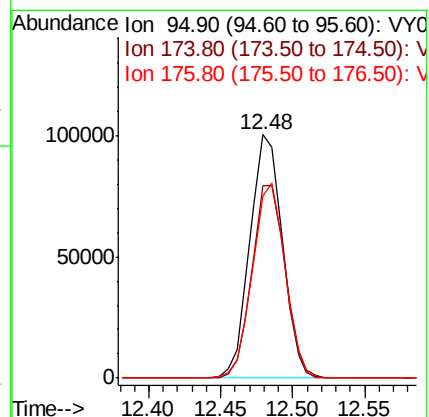
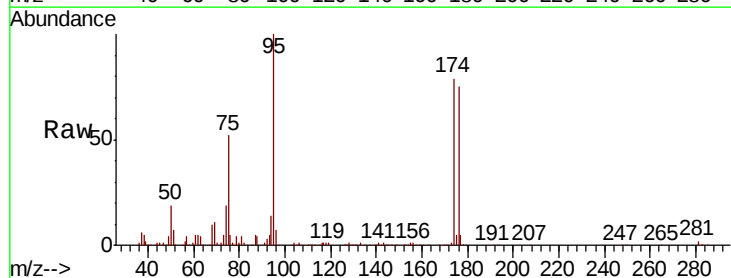
Tgt Ion: 95 Resp: 156670

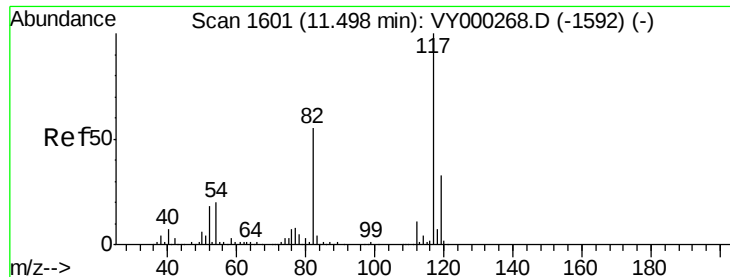
Ion Ratio Lower Upper

95 100

174 81.3 0.0 159.6

176 80.1 0.0 153.8

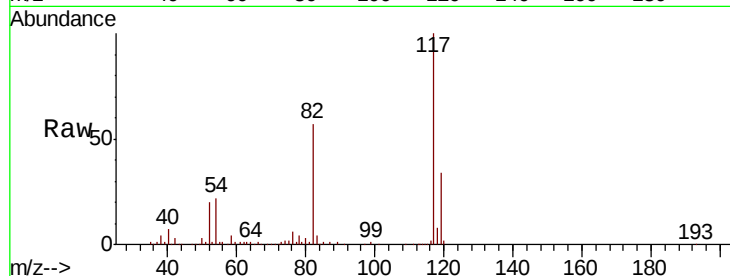




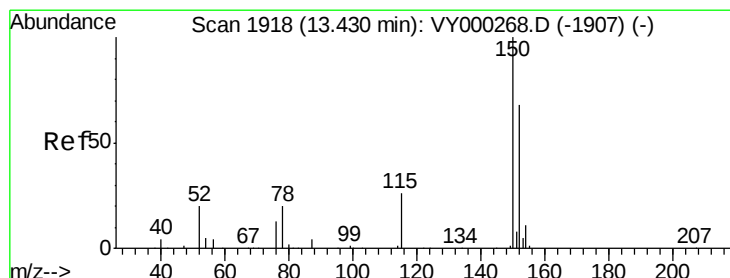
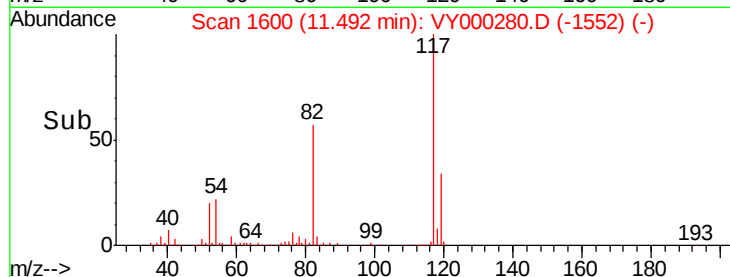
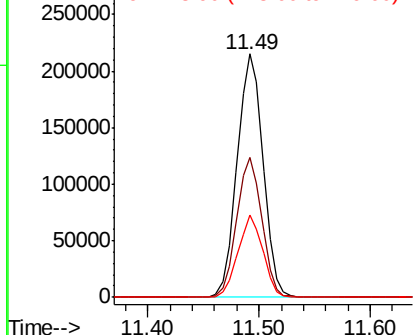
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000280.D
Acq: 11 Oct 2019 18:58

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 346663
Ion Ratio Lower Upper
117 100
82 57.4 43.7 65.5
119 34.0 26.6 39.8

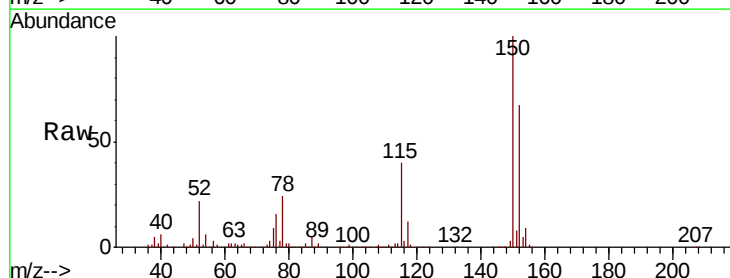


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

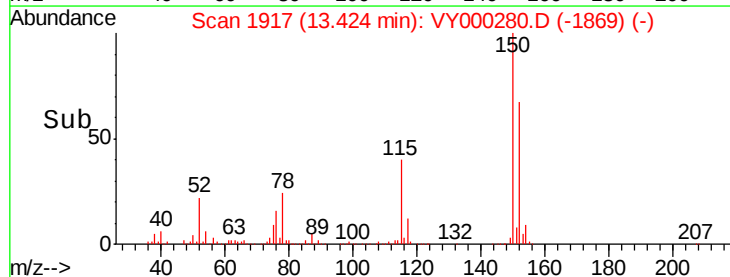
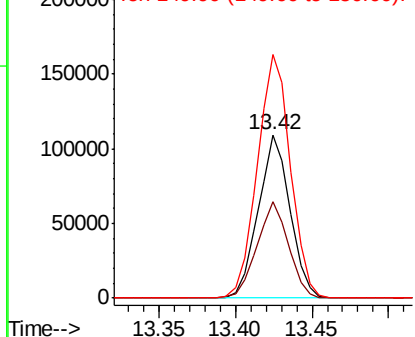


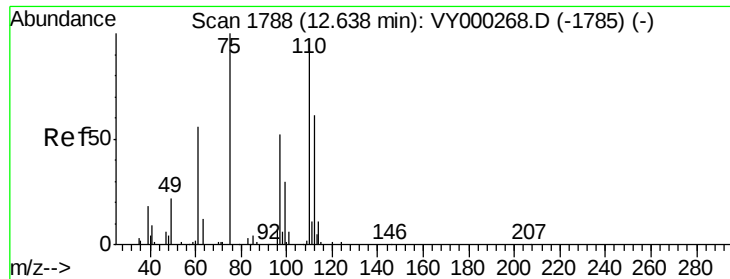
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000280.D
Acq: 11 Oct 2019 18:58

Tgt Ion:152 Resp: 158156
Ion Ratio Lower Upper
152 100
115 58.7 29.3 88.0
150 155.4 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: 42.288 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000280.D

Acq: 11 Oct 2019 18:58

Instrument :

MSVOA_Y

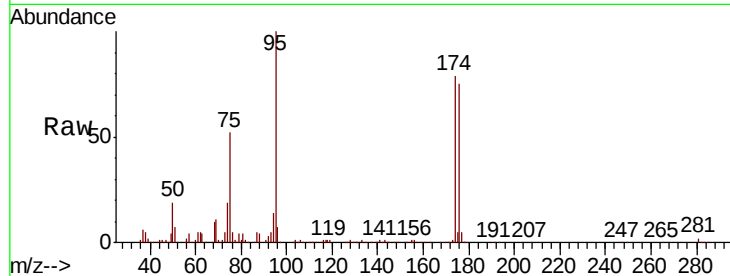
ClientSampleId :

Tot Ion: 75 Resp: 82241

Ion Ratio Lower Upper

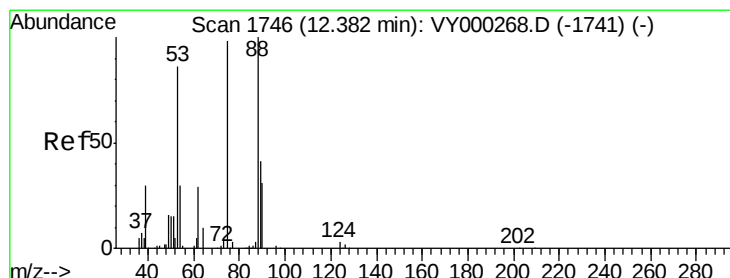
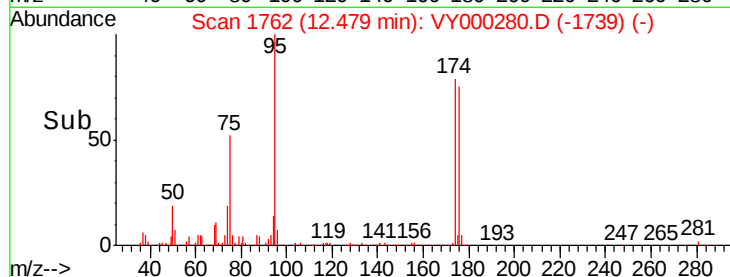
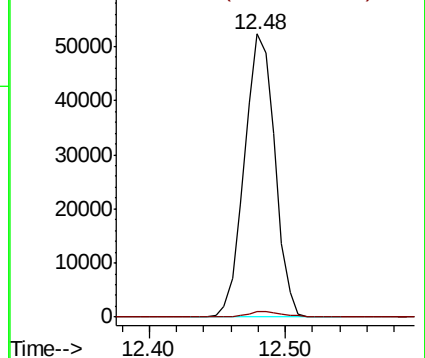
75 100

77 2.3 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: 92.525 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000280.D

Acq: 11 Oct 2019 18:58

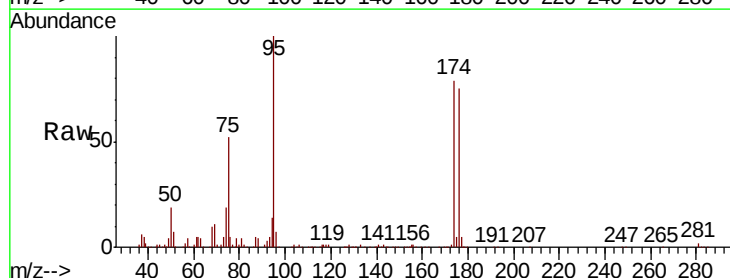
Tgt Ion: 75 Resp: 82241

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

