

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000618.D
 Acq On : 08 Nov 2019 15:34
 Operator : SY/MD
 Sample : K5722-17
 Misc : 6.05G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 3-A

Quant Time: Nov 11 04:44:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	215873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	381262	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	359149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	169718	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	136381	61.05	ug/l	0.00
Spiked Amount			Recovery	=	122.10%	
35) Dibromofluoromethane	7.73	113	115733	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
50) Toluene-d8	10.18	98	454713	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	
62) 4-Bromofluorobenzene	12.48	95	165442	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	

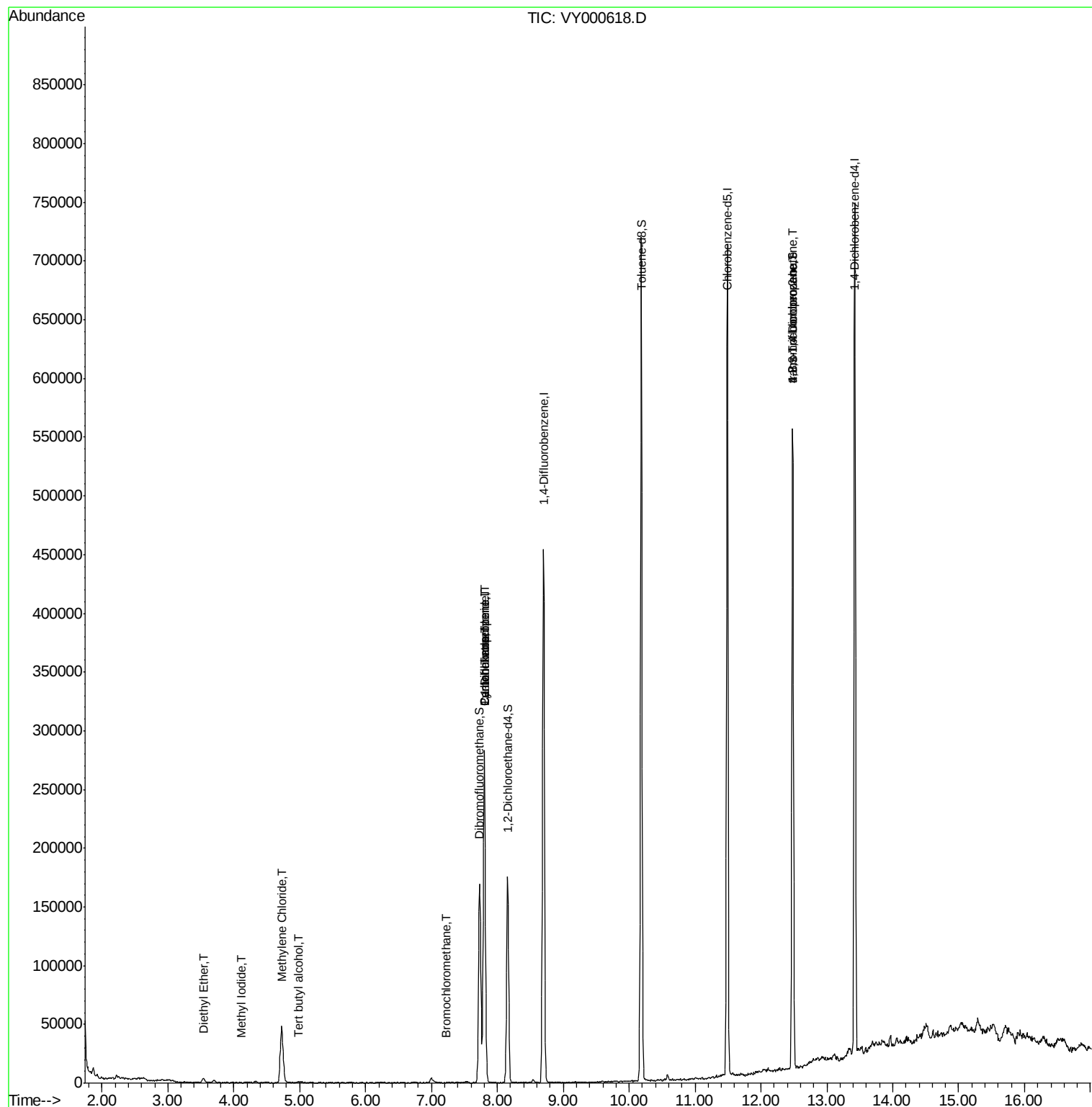
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	2078	1.593	ug/l	78
10) Methyl Iodide	4.10	142	256	3.281	ug/l #	41
11) Tert butyl alcohol	4.98	59	390	1.793	ug/l #	72
20) Methylene Chloride	4.73	84	34469	13.065	ug/l #	86
28) Bromochloromethane	7.22	49	29	4.107	ug/l #	14
31) Cyclohexane	7.80	56	5141	1.189	ug/l #	41
36) 1,1-Dichloropropene	7.80	75	17430	4.836	ug/l #	48
38) Carbon Tetrachloride	7.80	117	22794	6.572	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	89125	46.120	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	89125	103.407	ug/l #	13

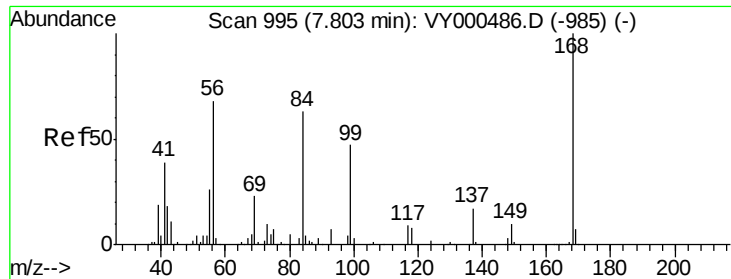
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 11 04:44:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY000618.D

Acq: 08 Nov 2019 15:34

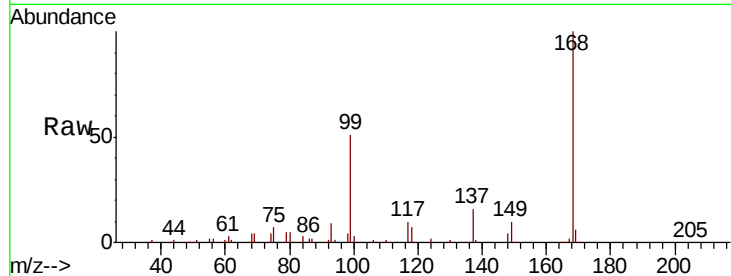
Instrument :
MSVOA_Y
ClientSampled :
3-A

Tot Ion:168 Resp: 215873

Ion Ratio Lower Upper

168 100

99 51.2 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.81

100000

80000

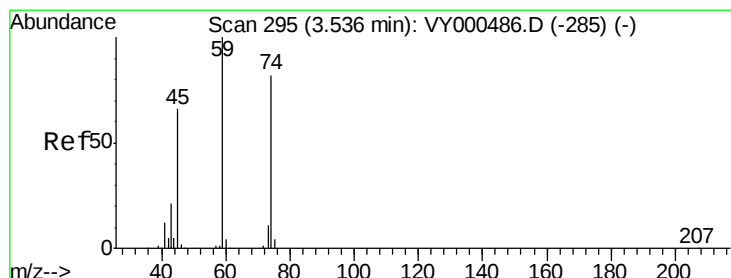
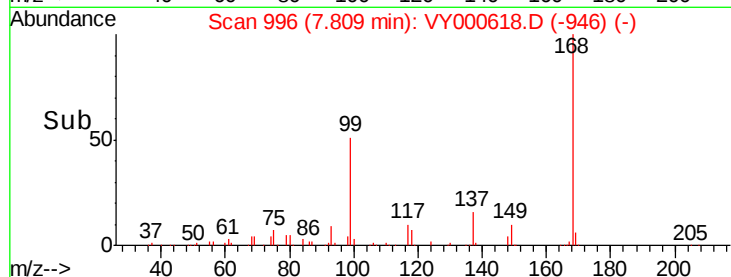
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.593 ug/l

RT: 3.54 min Scan# 296

Delta R.T. 0.01 min

Lab File: VY000618.D

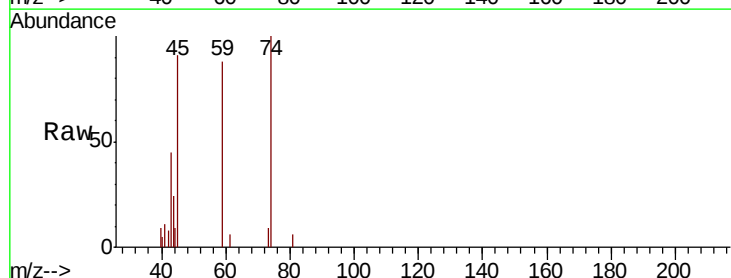
Acq: 08 Nov 2019 15:34

Tgt Ion: 74 Resp: 2078

Ion Ratio Lower Upper

74 100

45 112.0 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY000486.D (-285) (-)

Ion 45.00 (44.70 to 45.70): VY000486.D (-285) (-)

1200

1000

800

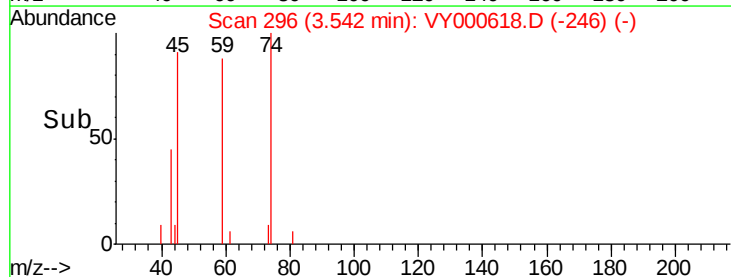
600

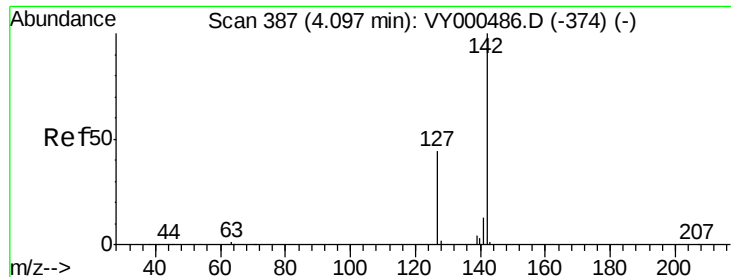
400

200

0

Time-->

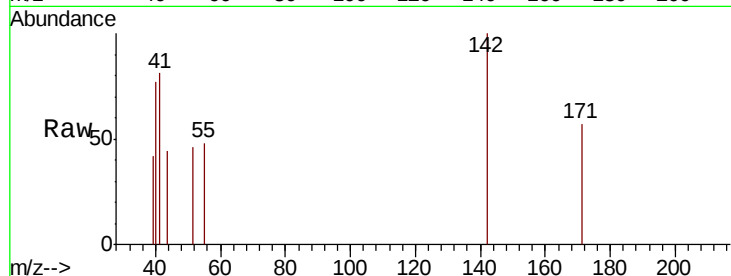




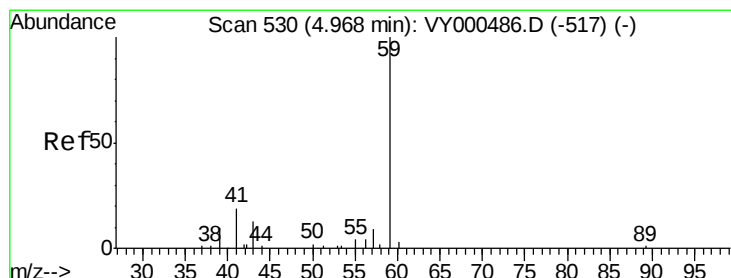
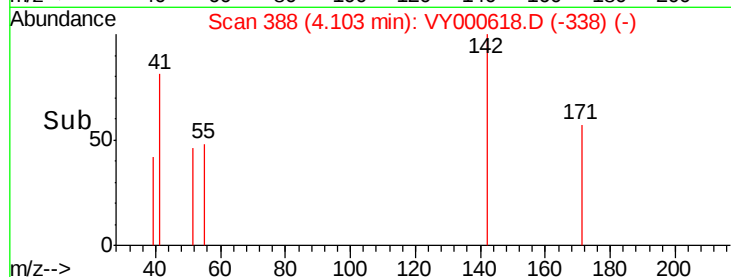
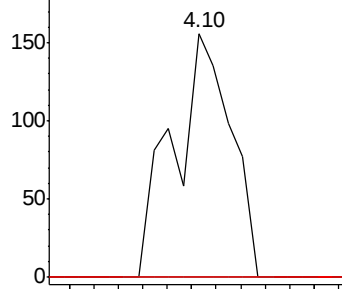
#10
Methyl Iodide
Concen: 3.281 ug/l
RT: 4.10 min Scan# 388
Delta R.T. 0.01 min
Lab File: VY000618.D
Acq: 08 Nov 2019 15:34

Instrument :
MSVOA_Y
ClientSampled :
3-A

Tot Ion:142 Resp: 256
Ion Ratio Lower Upper
142 100
127 0.0 33.7 50.5#
141 0.0 10.9 16.3#

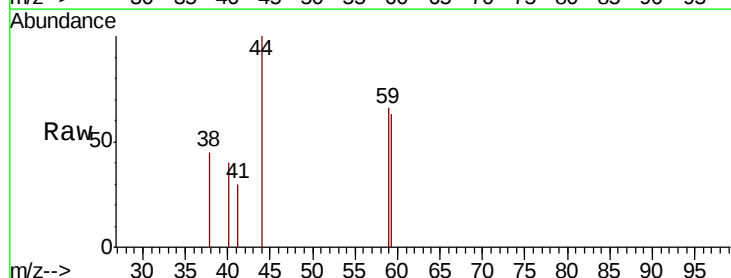


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

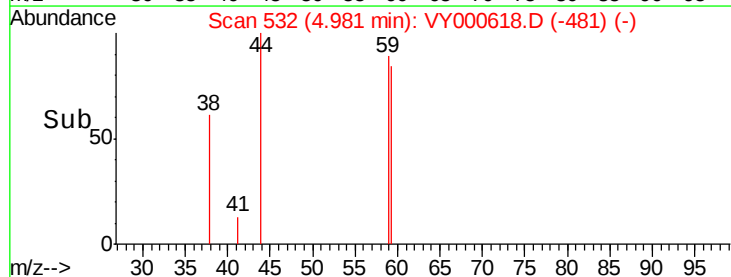
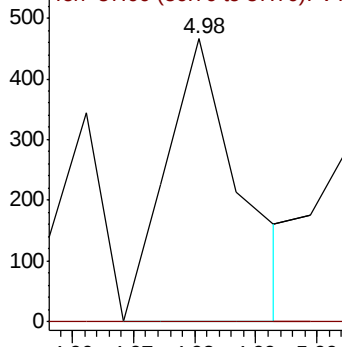


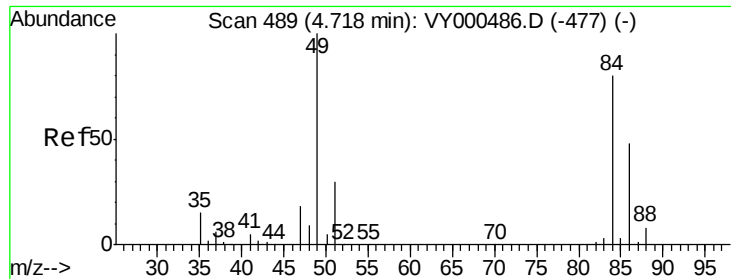
#11
Tert butyl alcohol
Concen: 1.793 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY000618.D
Acq: 08 Nov 2019 15:34

Tgt Ion: 59 Resp: 390
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

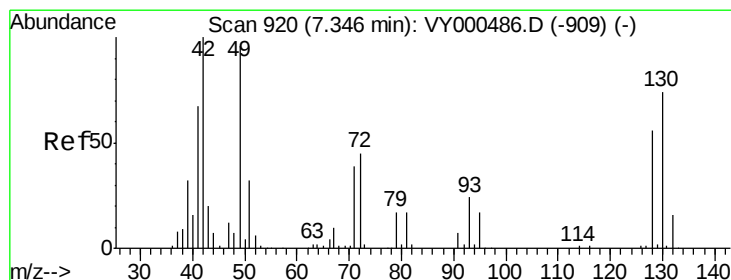
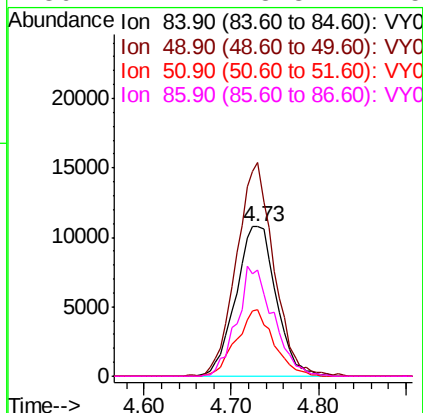
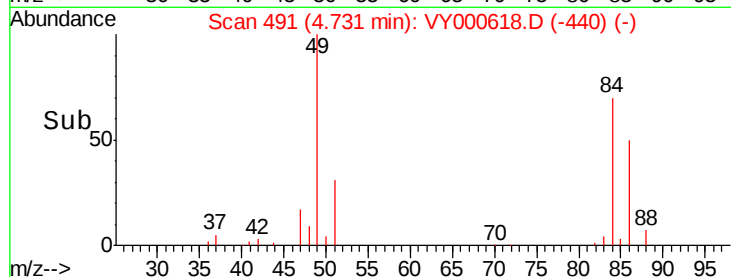
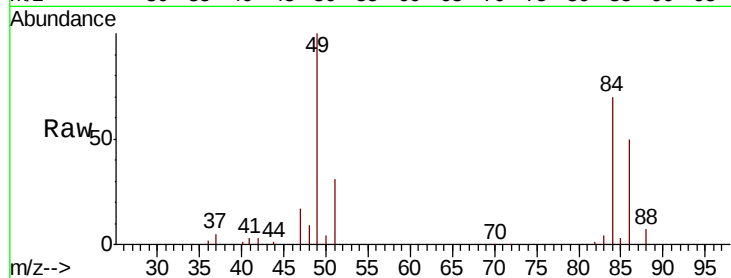




#20
Methvlene Chloride
Concen: 13.065 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000618.D
Acq: 08 Nov 2019 15:34

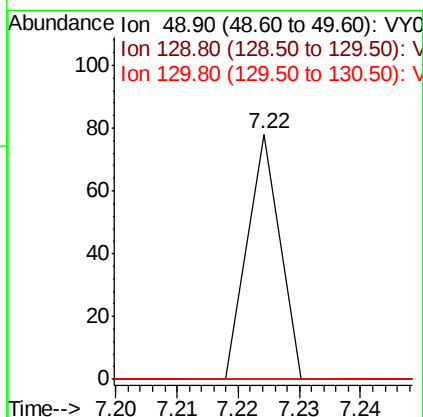
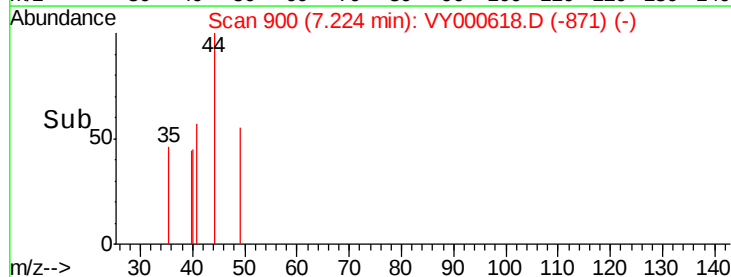
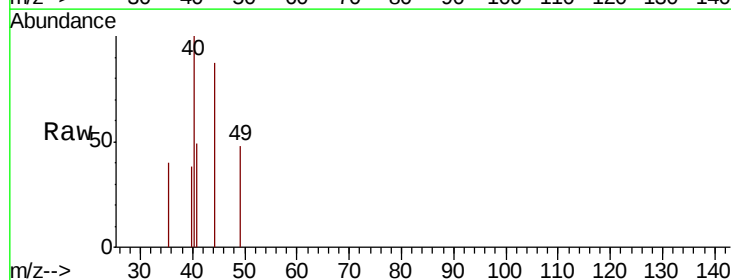
Instrument :
MSVOA_Y
ClientSampleId :
3-A

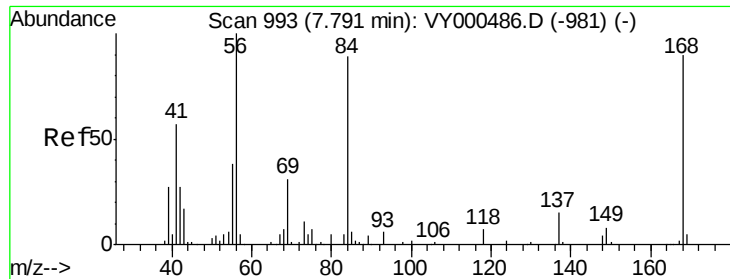
Tot Ion: 84 Resp: 34469
Ion Ratio Lower Upper
84 100
49 142.2 100.2 150.4
51 44.6 29.6 44.4#
86 71.2 48.3 72.5



#28
Bromochloromethane
Concen: 4.107 ug/l
RT: 7.22 min Scan# 900
Delta R.T. -0.12 min
Lab File: VY000618.D
Acq: 08 Nov 2019 15:34

Tgt Ion: 49 Resp: 29
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#

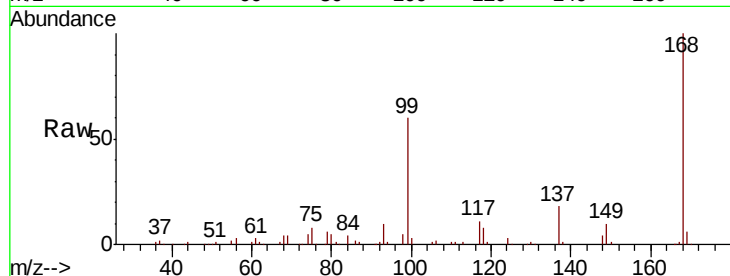




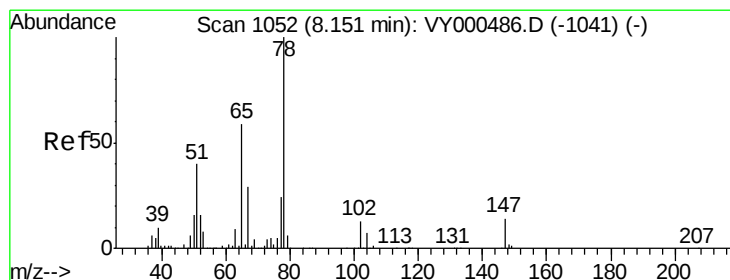
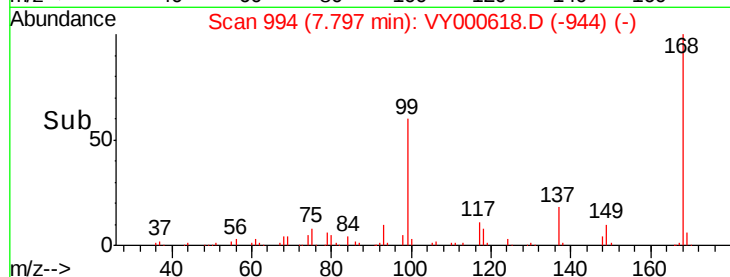
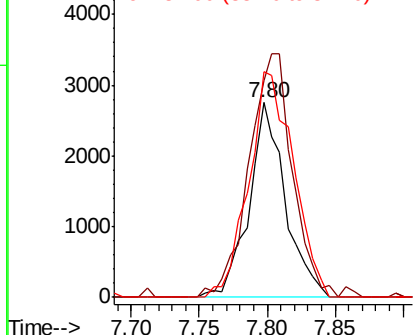
#31
Cyclohexane
Concen: 1.189 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000618.D
Acq: 08 Nov 2019 15:34

Instrument :
MSVOA_Y
ClientSampled :
3-A

Tot Ion: 56 Resp: 5141
Ion Ratio Lower Upper
56 100
69 111.4 25.0 37.6#
84 116.0 71.4 107.2#

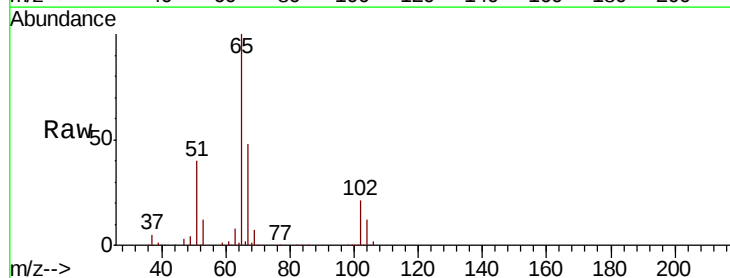


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

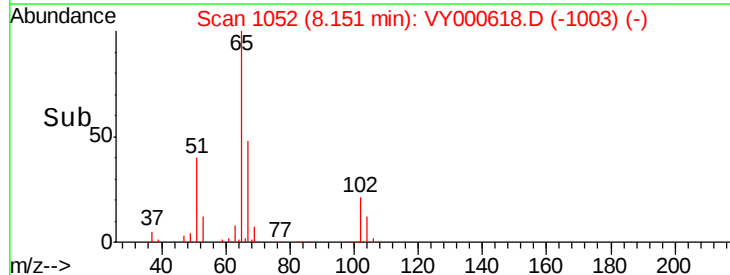
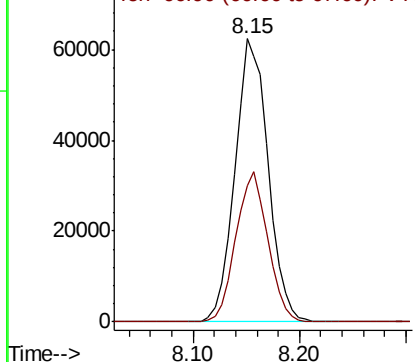


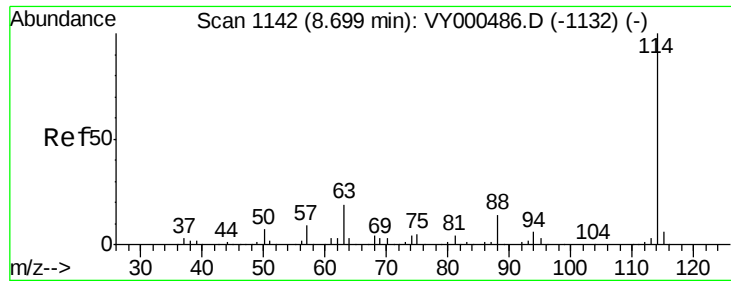
#33
1,2-Dichloroethane-d4
Concen: 61.048 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VY000618.D
Acq: 08 Nov 2019 15:34

Tgt Ion: 65 Resp: 136381
Ion Ratio Lower Upper
65 100
67 51.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

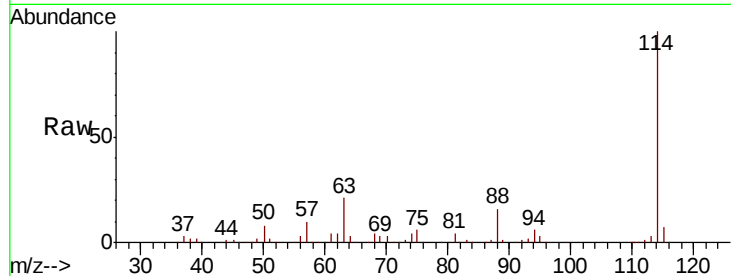




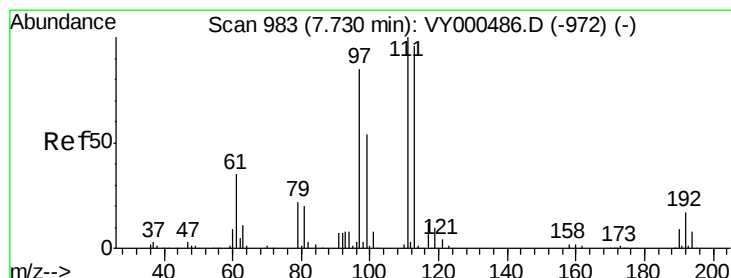
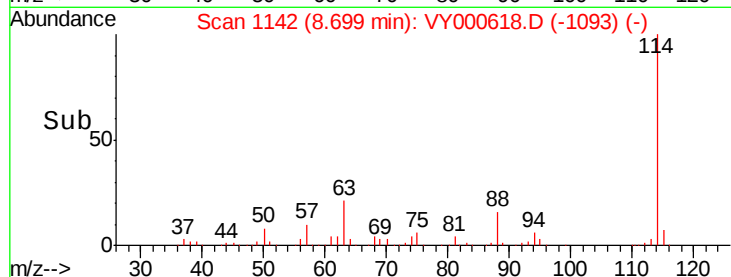
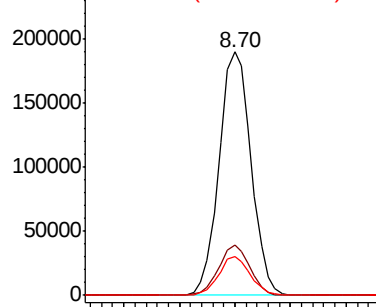
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000618.D
 Acq: 08 Nov 2019 15:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 3-A

Tot Ion:114 Resp: 381262
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 38.0
 88 16.1 0.0 28.6

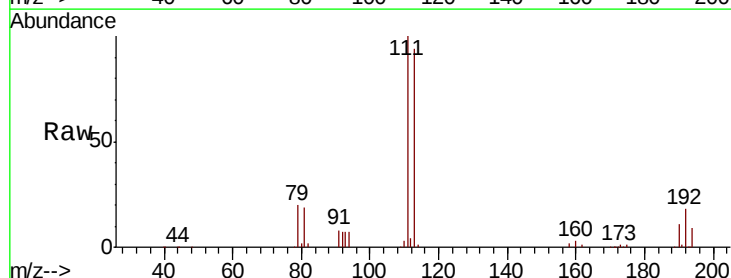


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

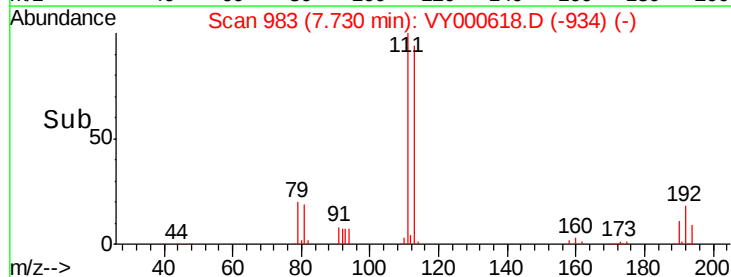
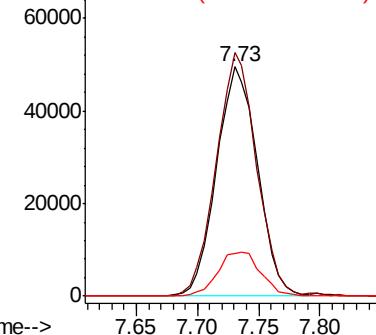


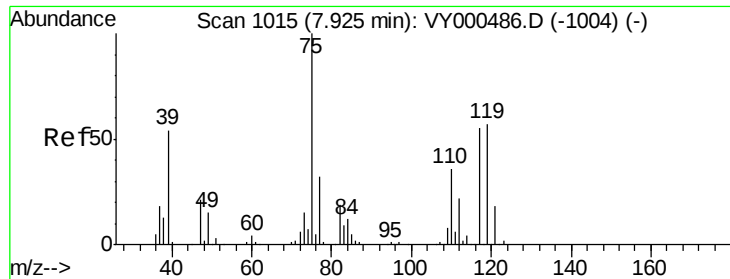
#35
 Dibromofluoromethane
 Concen: 51.707 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000618.D
 Acq: 08 Nov 2019 15:34

Tgt Ion:113 Resp: 115733
 Ion Ratio Lower Upper
 113 100
 111 105.0 81.7 122.5
 192 20.1 15.0 22.4



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

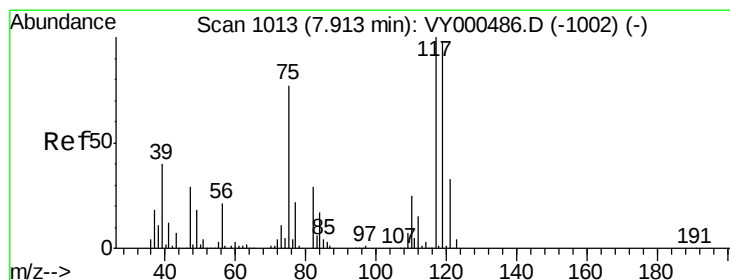
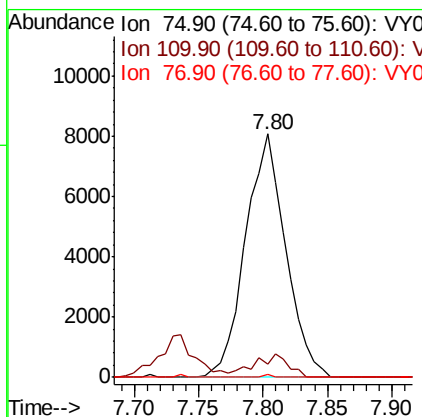
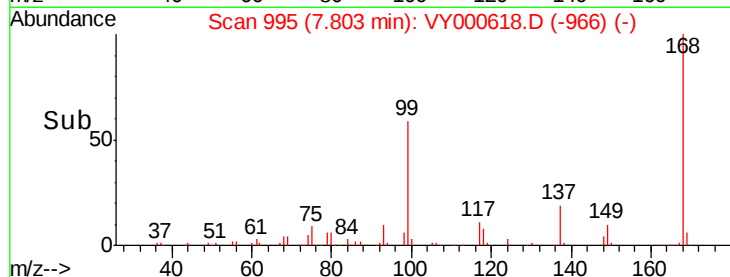
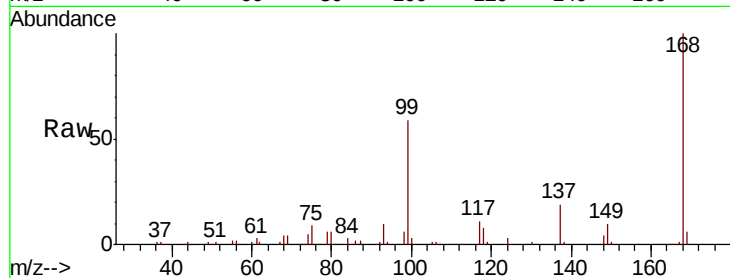




#36
 1,1-Dichloropropene
 Concen: 4.836 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000618.D
 Acq: 08 Nov 2019 15:34

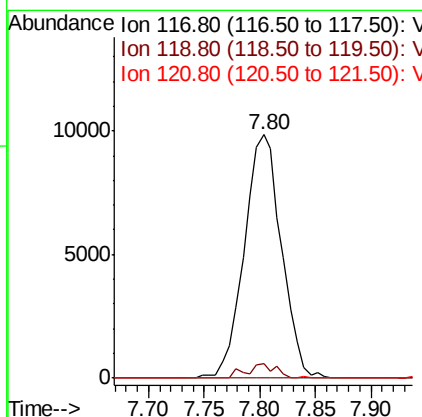
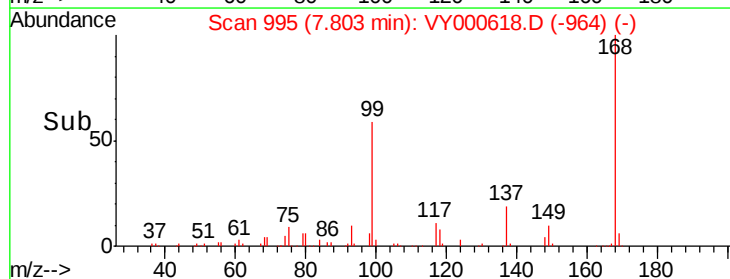
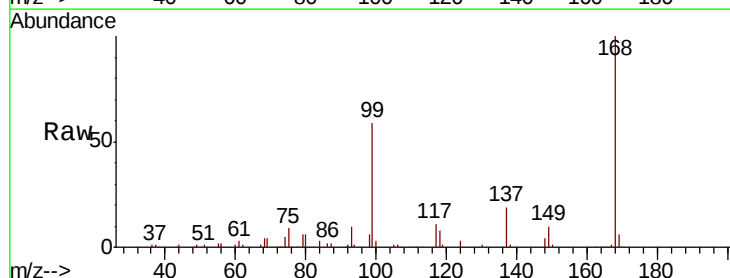
Instrument :
 MSVOA_Y
 ClientSampled :
 3-A

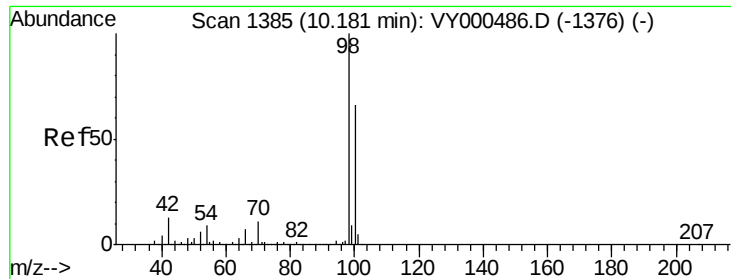
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.1	54.1#
77	0.2	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.572 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000618.D
 Acq: 08 Nov 2019 15:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	78.0	117.0#
121	0.0	26.6	40.0#





#50

Toluene-d8

Concen: 53.540 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000618.D

Acq: 08 Nov 2019 15:34

Instrument :

MSVOA_Y

ClientSampleId :

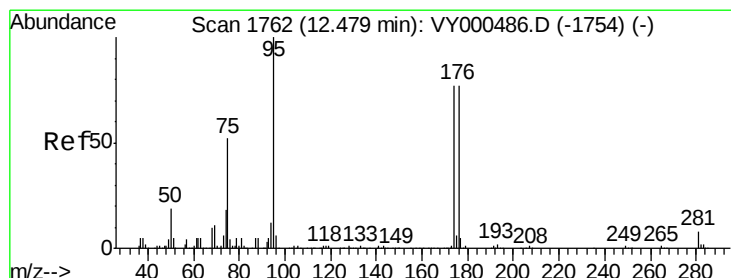
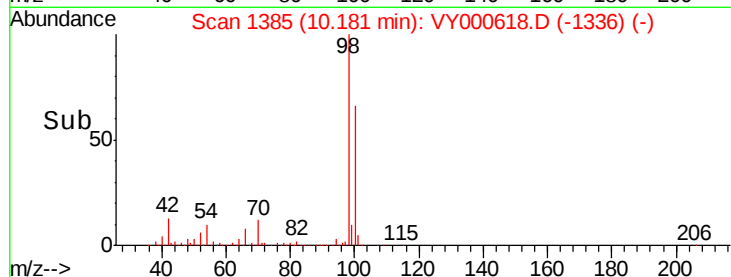
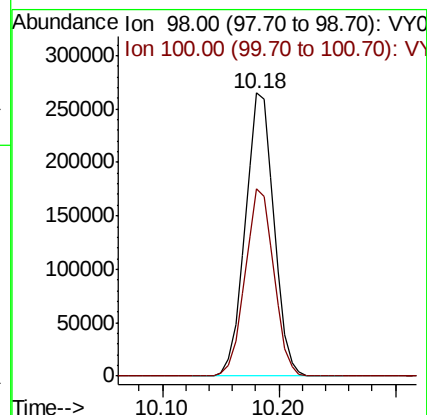
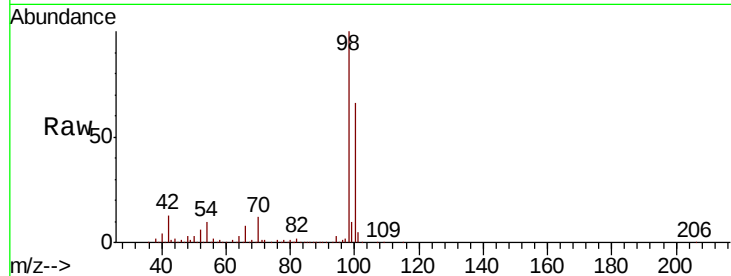
3-A

Tot Ion: 98 Resp: 454713

Ion Ratio Lower Upper

98 100

100 66.1 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 51.169 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000618.D

Acq: 08 Nov 2019 15:34

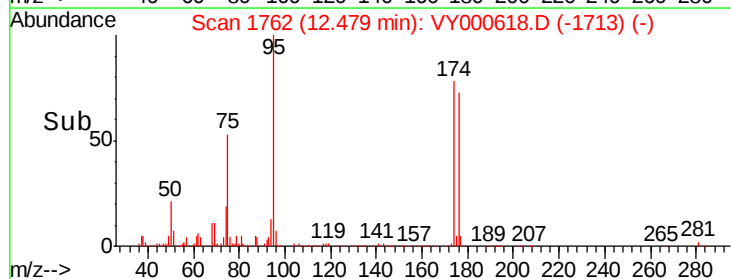
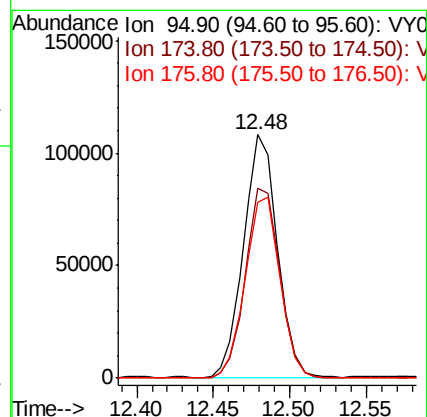
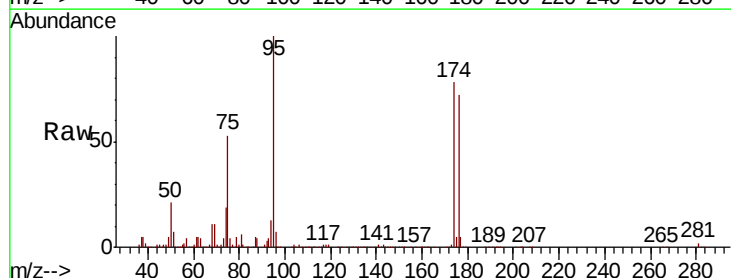
Tgt Ion: 95 Resp: 165442

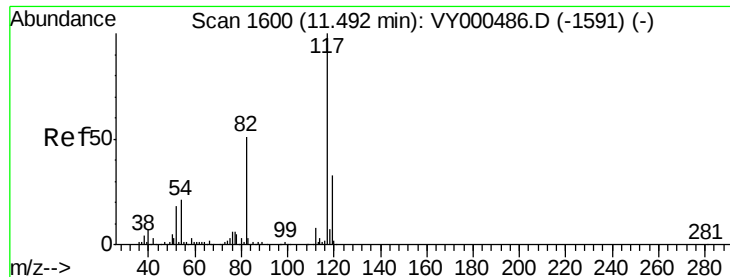
Ion Ratio Lower Upper

95 100

174 79.8 0.0 161.6

176 76.8 0.0 157.8

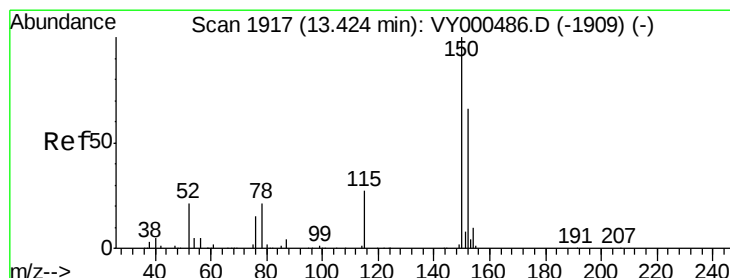
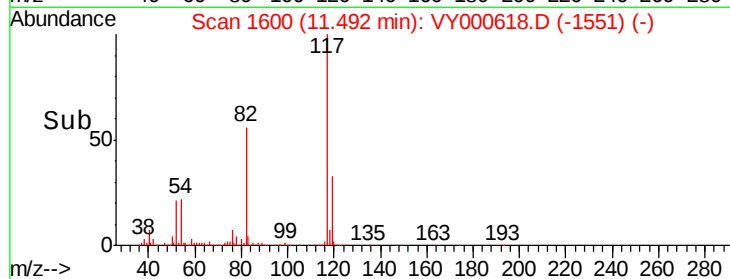
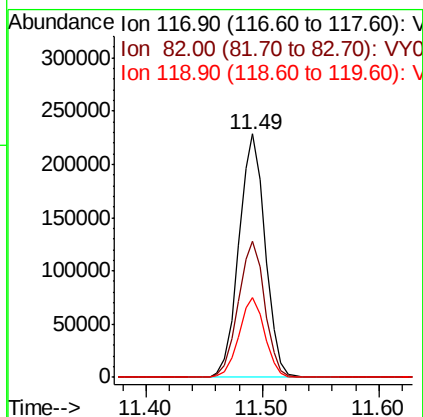
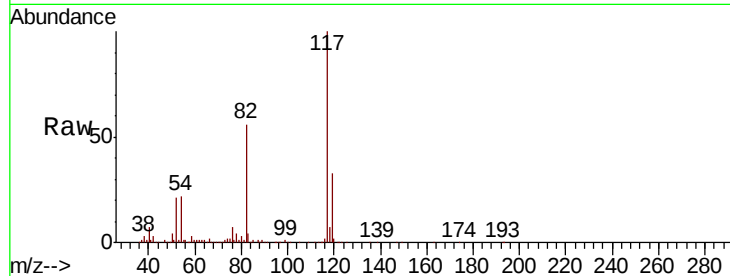




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000618.D
Acq: 08 Nov 2019 15:34

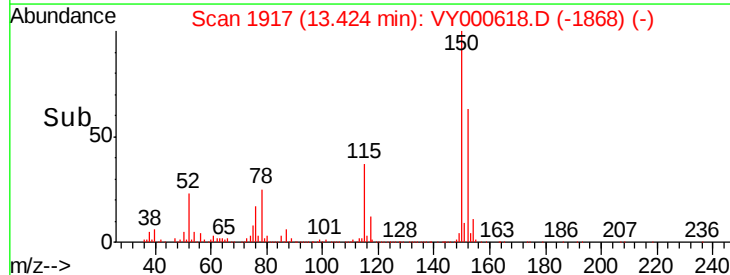
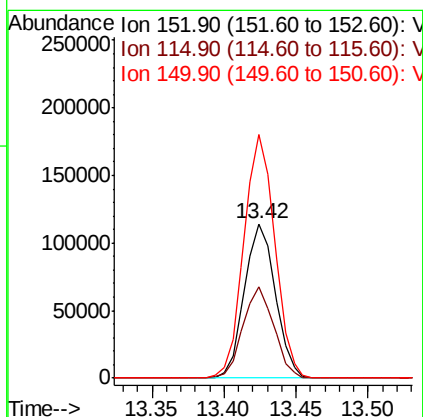
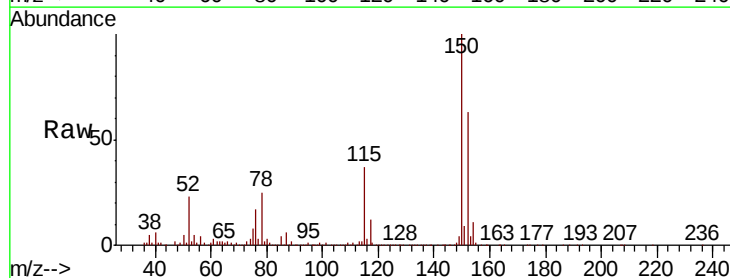
Instrument :
MSVOA_Y
ClientSampleId :
3-A

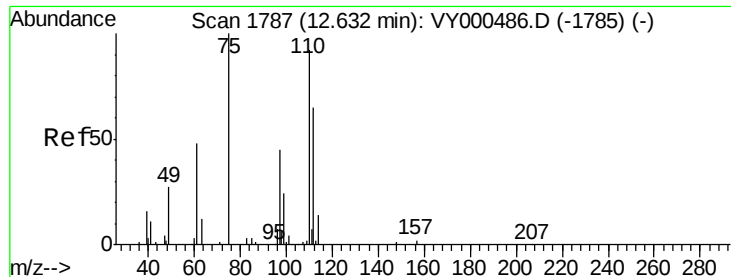
Tot Ion:117 Resp: 359149
Ion Ratio Lower Upper
117 100
82 55.9 40.8 61.2
119 32.6 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000618.D
Acq: 08 Nov 2019 15:34

Tgt Ion:152 Resp: 169718
Ion Ratio Lower Upper
152 100
115 58.8 29.1 87.4
150 157.6 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 46.120 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000618.D

Acq: 08 Nov 2019 15:34

Instrument :

MSVOA_Y

ClientSampleId :

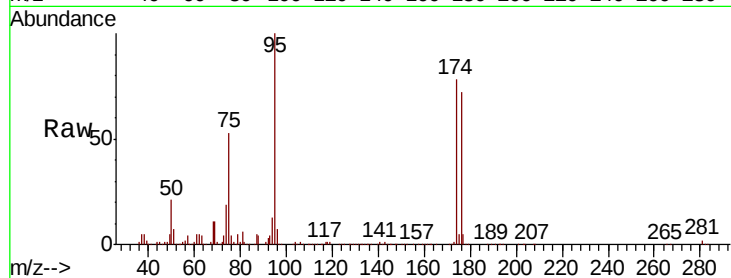
3-A

Tot Ion: 75 Resp: 89125

Ion Ratio Lower Upper

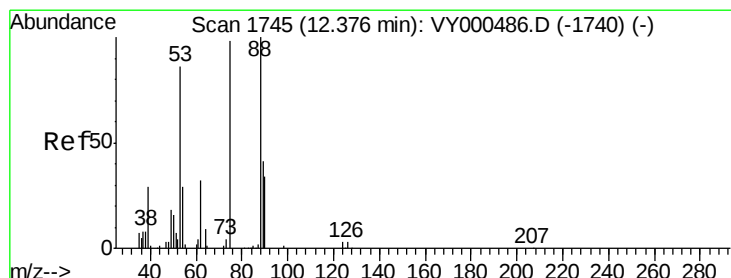
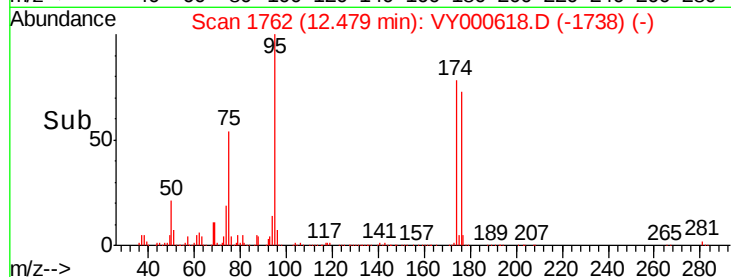
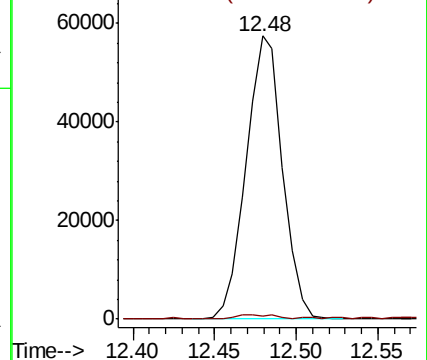
75 100

77 2.1 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: 103.407 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000618.D

Acq: 08 Nov 2019 15:34

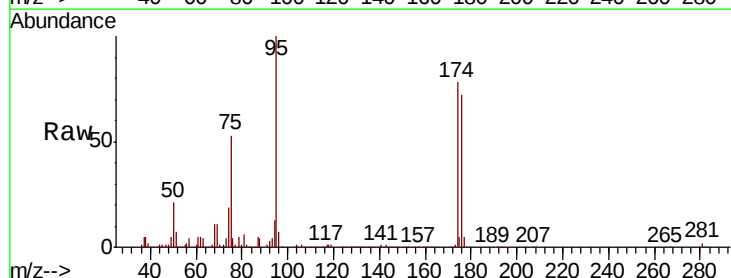
Tgt Ion: 75 Resp: 89125

Ion Ratio Lower Upper

75 100

53 0.5 73.2 109.8#

89 0.0 35.9 53.9#



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

