

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
 Data File : VY000582.D
 Acq On : 07 Nov 2019 15:49
 Operator : SY/MD
 Sample : K5723-13
 Misc : 6.11G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 03:47:46 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	7.80	168	237088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	437746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	394965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	175170	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	148536	60.54	ug/l	0.00
Spiked Amount			Recovery	=	121.08%	
35) Dibromofluoromethane	7.73	113	129285	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
50) Toluene-d8	10.18	98	507422	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
62) 4-Bromofluorobenzene	12.48	95	179441	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	

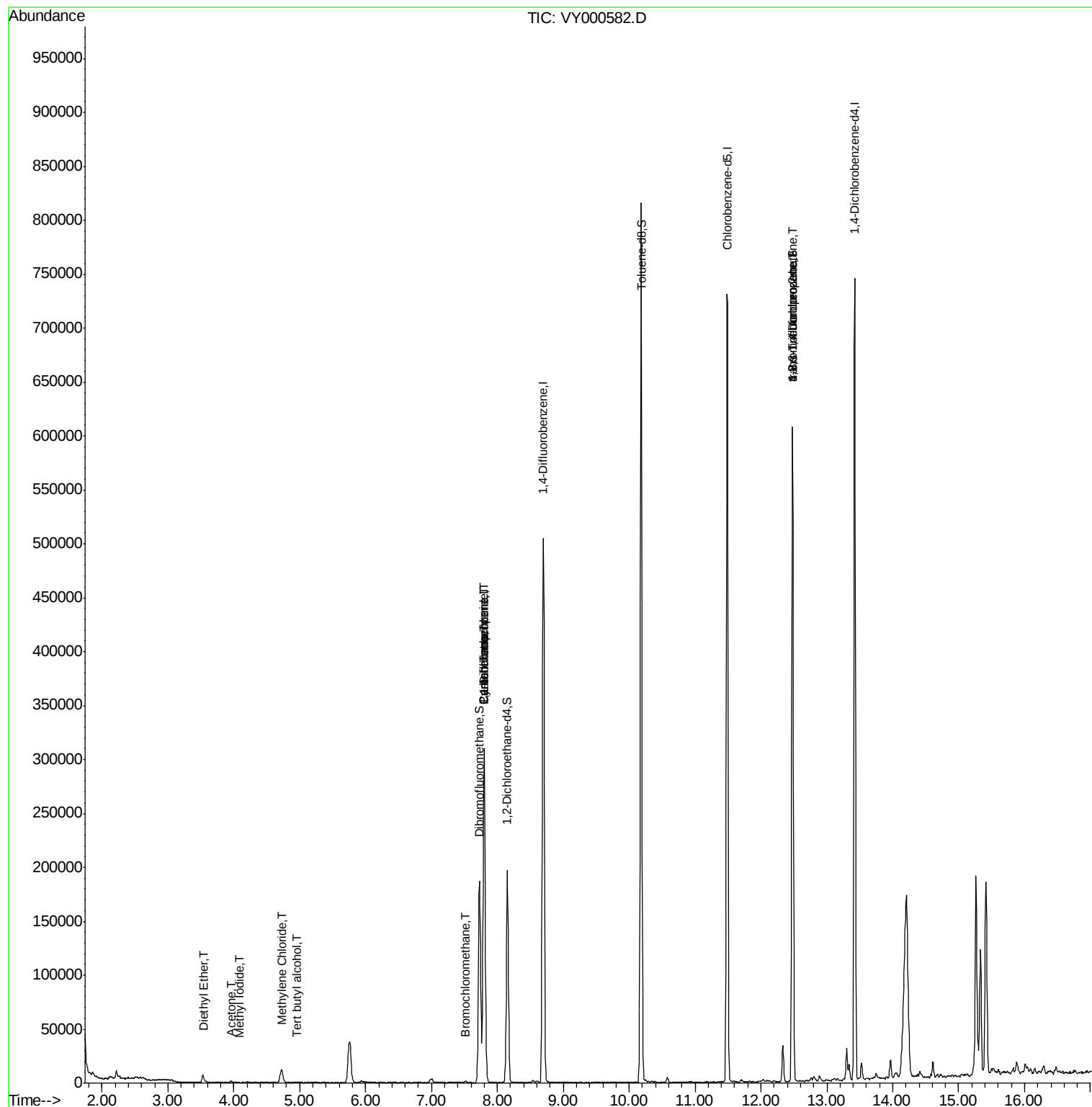
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	4251	2.967	ug/l	97
10) Methyl Iodide	4.08	142	116	3.233	ug/l #	41
11) Tert butyl alcohol	4.96	59	743	3.111	ug/l #	94
16) Acetone	3.96	43	1619	2.394	ug/l #	70
20) Methylene Chloride	4.72	84	8569	2.957	ug/l #	90
28) Bromochloromethane	7.51	49	47	4.113	ug/l #	14
31) Cyclohexane	7.80	56	5332	1.123	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	18287	4.419	ug/l #	48
38) Carbon Tetrachloride	7.80	117	23924	6.008	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	96027	48.145	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	96027	107.947	ug/l #	13

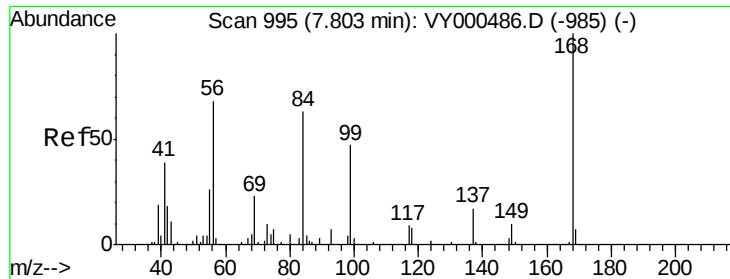
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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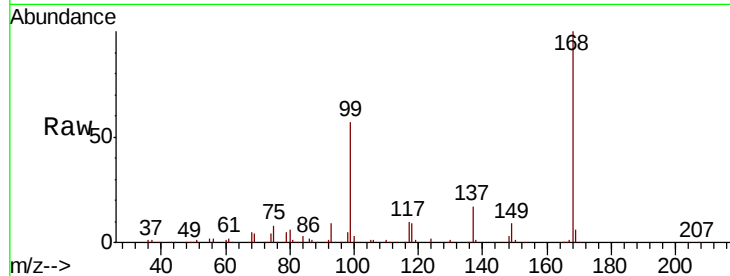


#1

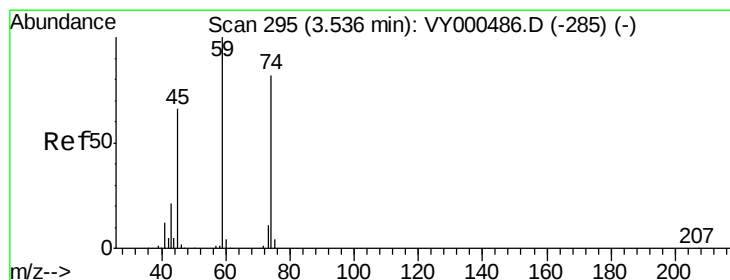
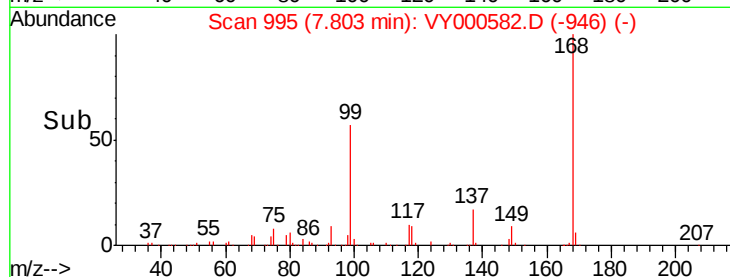
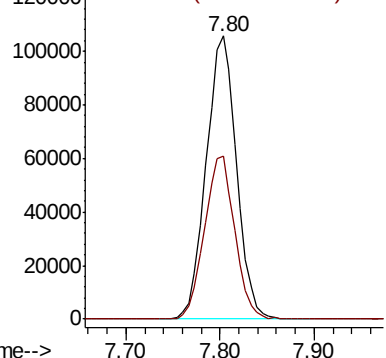
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VY000582.D
 Acq: 07 Nov 2019 15:49

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion:168 Resp: 237088
 Ion Ratio Lower Upper
 168 100
 99 57.5 45.7 68.5



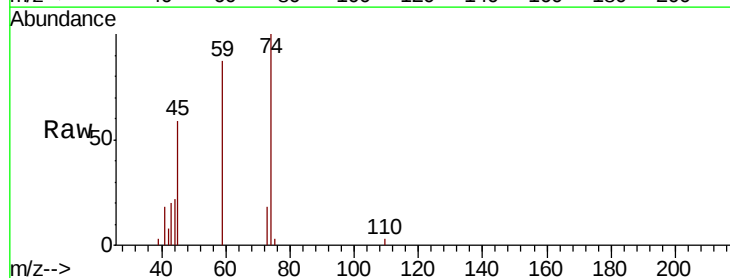
Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)
 Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)



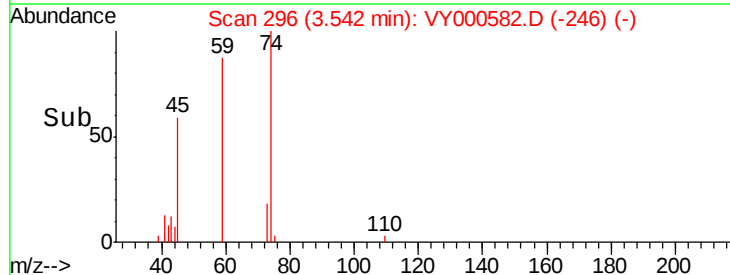
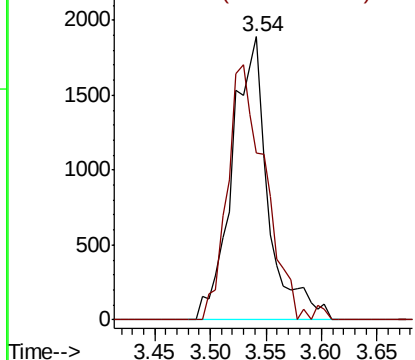
#8

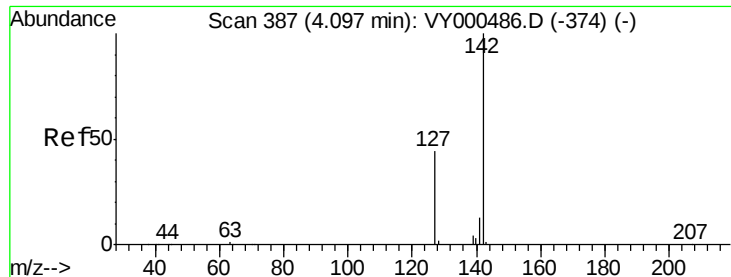
Diethyl Ether
 Concen: 2.967 ug/l
 RT: 3.54 min Scan# 296
 Delta R.T. 0.01 min
 Lab File: VY000582.D
 Acq: 07 Nov 2019 15:49

Tgt Ion: 74 Resp: 4251
 Ion Ratio Lower Upper
 74 100
 45 93.4 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) (-)

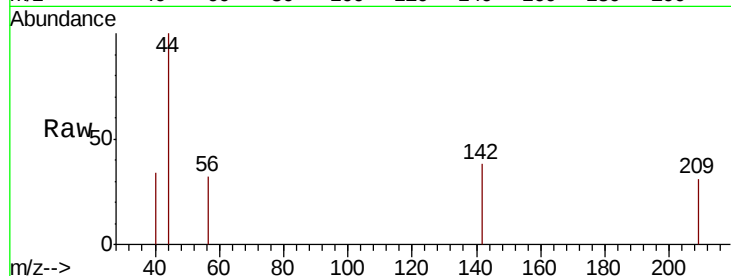




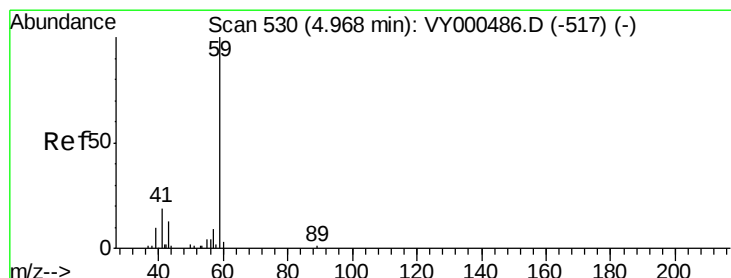
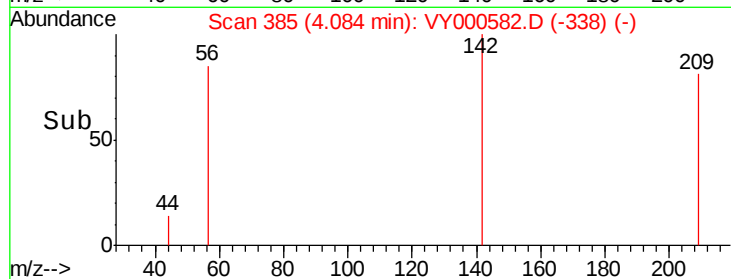
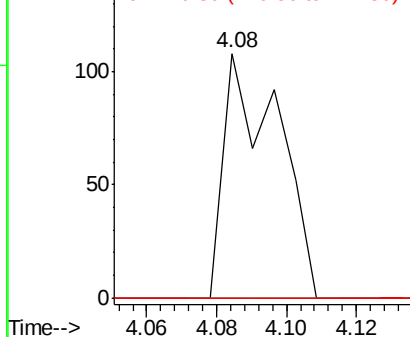
#10
Methyl Iodide
Concen: 3.233 ug/l
RT: 4.08 min Scan# 385
Delta R.T. -0.01 min
Lab File: VY000582.D
Acq: 07 Nov 2019 15:49

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:142 Resp: 116
Ion Ratio Lower Upper
142 100
127 0.0 33.7 50.5#
141 0.0 10.9 16.3#

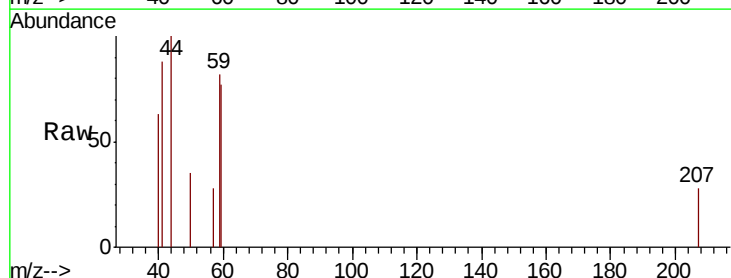


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

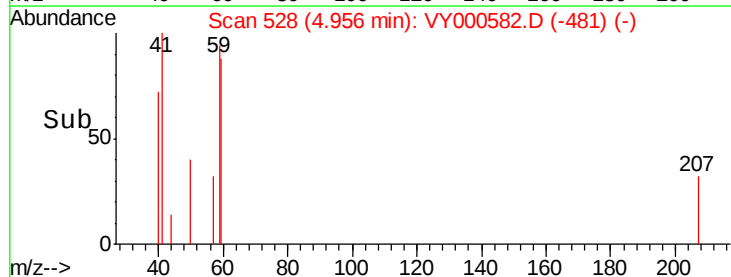
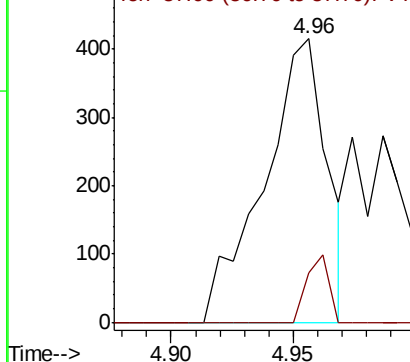


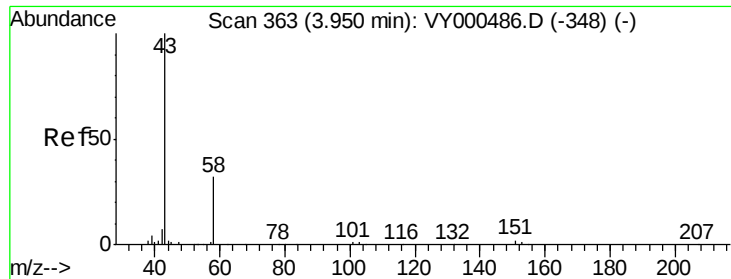
#11
Tert butyl alcohol
Concen: 3.111 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY000582.D
Acq: 07 Nov 2019 15:49

Tgt Ion: 59 Resp: 743
Ion Ratio Lower Upper
59 100
57 8.5 8.6 12.8#



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

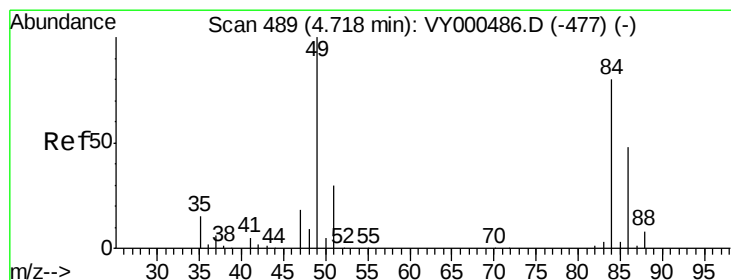
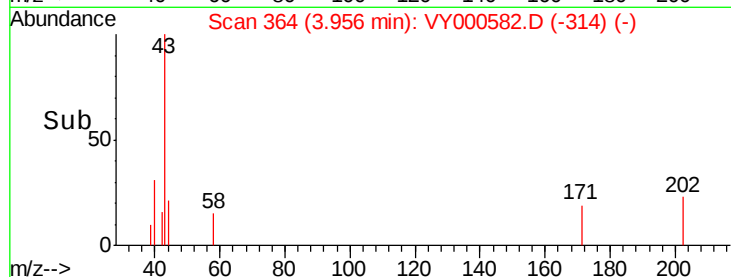
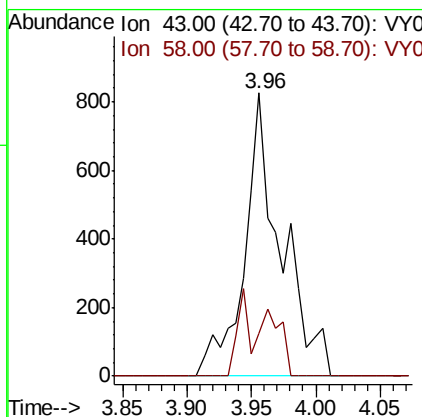
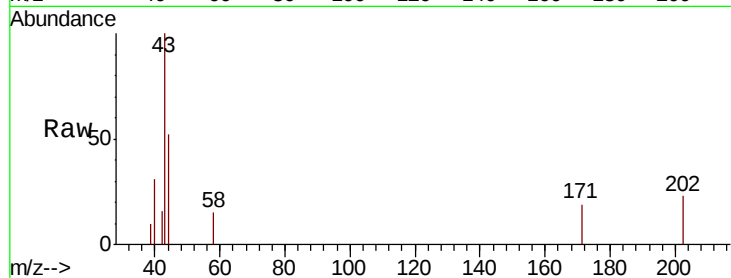




#16
Acetone
Concen: 2.394 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY000582.D
Acq: 07 Nov 2019 15:49

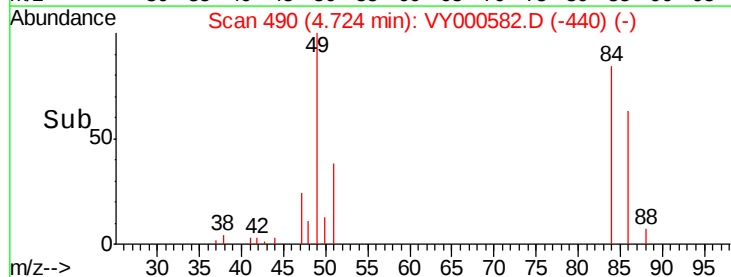
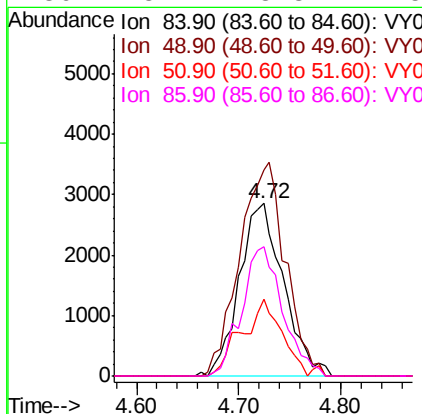
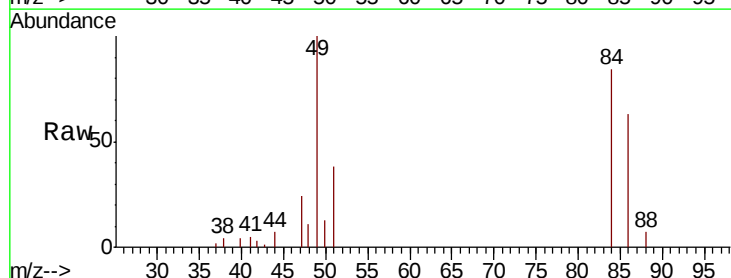
Instrument :
MSVOA_Y
ClientSampleId :

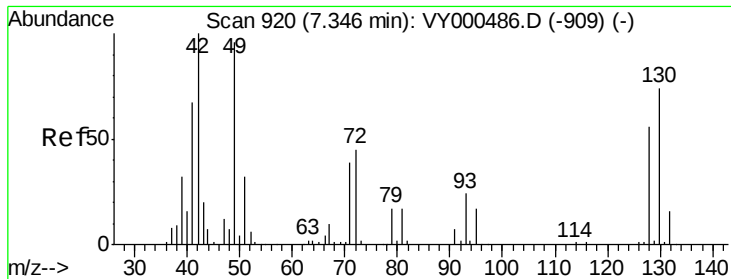
Tot Ion: 43 Resp: 1619
Ion Ratio Lower Upper
43 100
58 15.3 25.8 38.6#



#20
Methylene Chloride
Concen: 2.957 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000582.D
Acq: 07 Nov 2019 15:49

Tgt Ion: 84 Resp: 8569
Ion Ratio Lower Upper
84 100
49 119.2 100.2 150.4
51 44.8 29.6 44.4#
86 75.2 48.3 72.5#





#28

Bromochloromethane

Concen: 4.113 ug/l

RT: 7.51 min Scan# 947

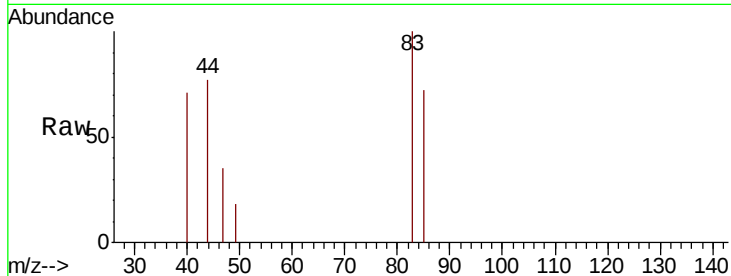
Delta R.T. 0.17 min

Lab File: VY000582.D

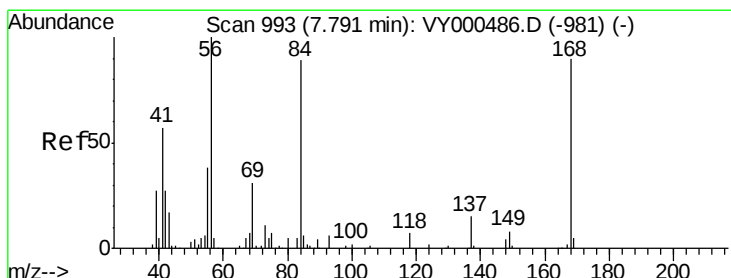
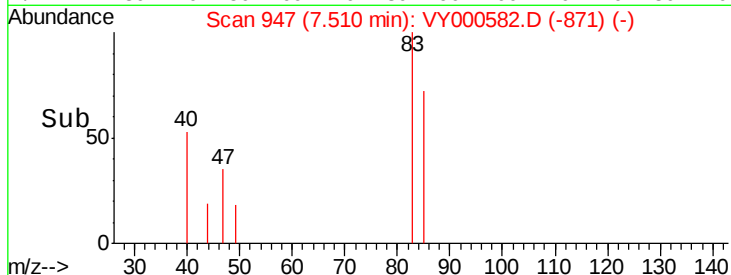
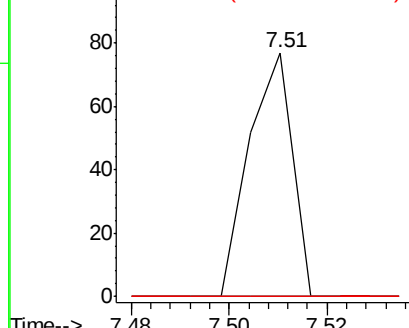
Acq: 07 Nov 2019 15:49

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 49 Resp: 47
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0



#31

Cyclohexane

Concen: 1.123 ug/l

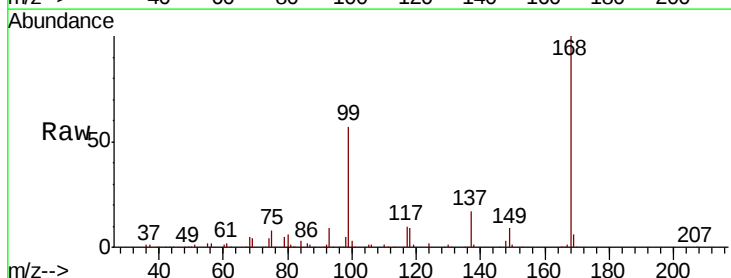
RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

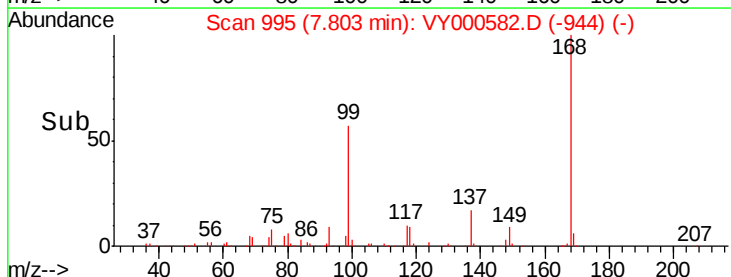
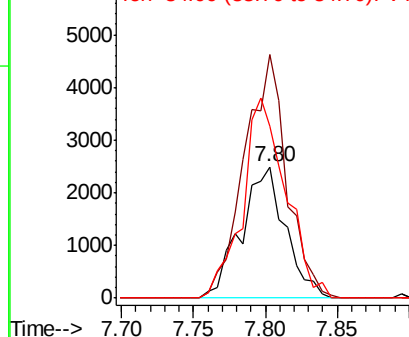
Lab File: VY000582.D

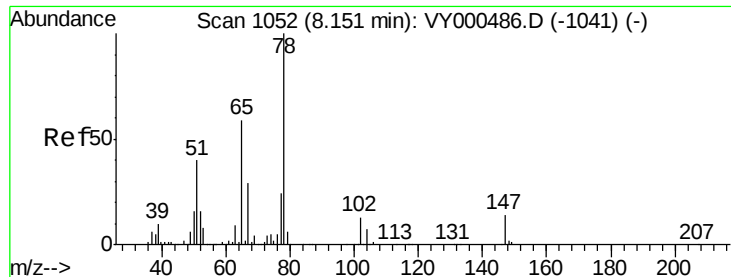
Acq: 07 Nov 2019 15:49

Tgt Ion: 56 Resp: 5332
Ion Ratio Lower Upper
56 100
69 185.5 25.0 37.6#
84 130.8 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

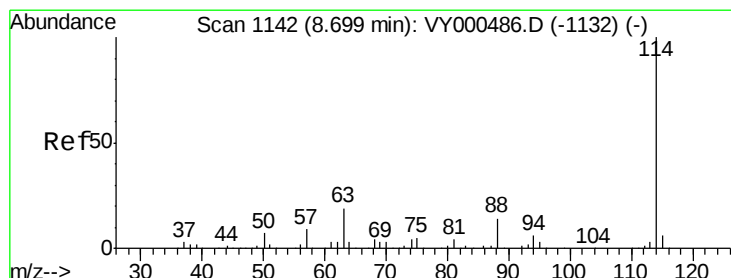
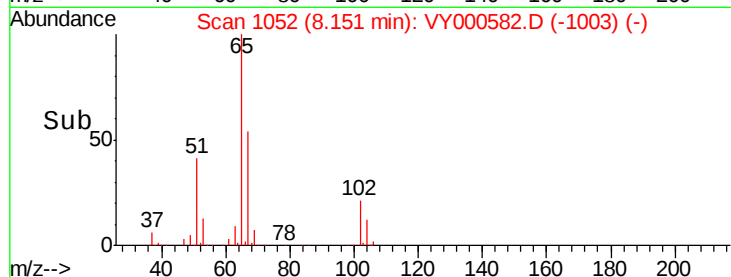
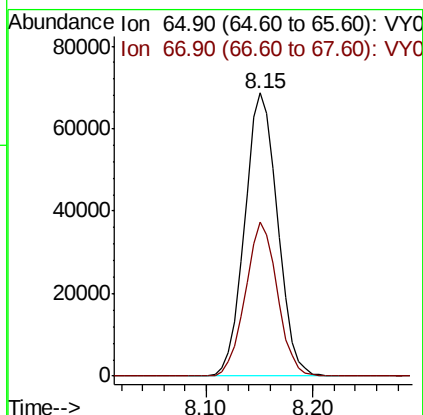
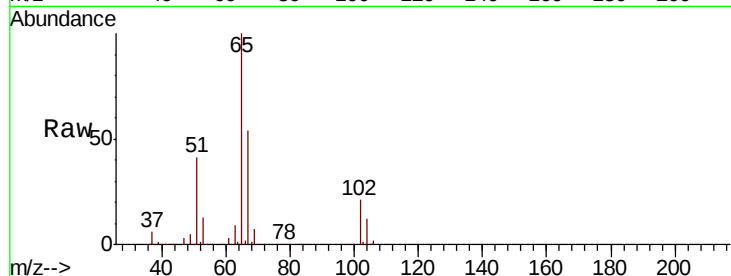




#33
 1,2-Dichloroethane-d4
 Concen: 60.539 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000582.D
 Acq: 07 Nov 2019 15:49

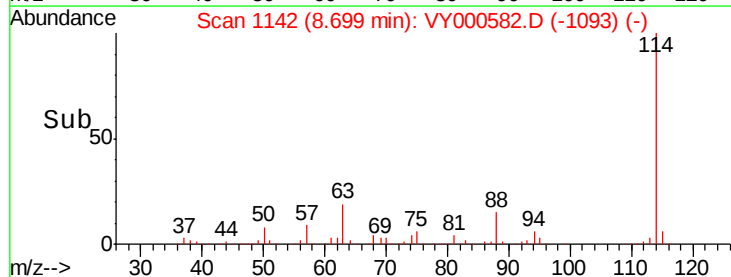
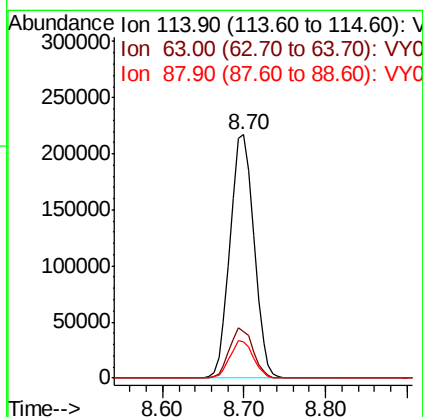
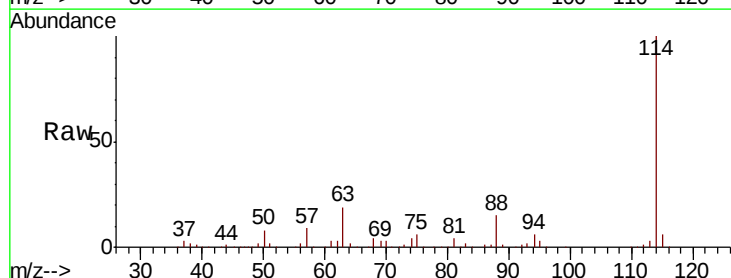
Instrument :
 MSVOA_Y
 ClientSampleId :

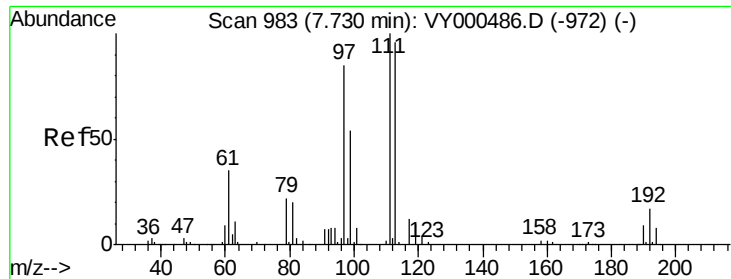
Tot Ion: 65 Resp: 148536
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000582.D
 Acq: 07 Nov 2019 15:49

Tgt Ion: 114 Resp: 437746
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.0
 88 15.1 0.0 28.6





#35

Dibromofluoromethane

Concen: 50.308 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000582.D

Acq: 07 Nov 2019 15:49

Instrument :

MSVOA_Y

ClientSampleId :

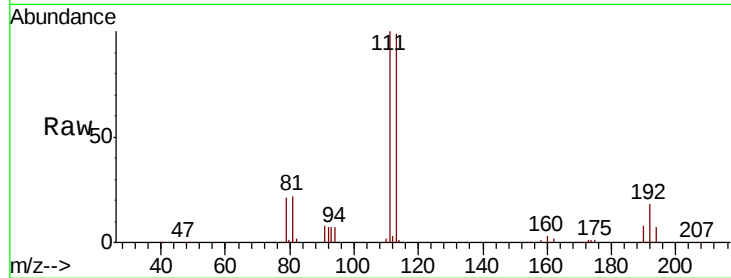
Tot Ion:113 Resp: 129285

Ion Ratio Lower Upper

113 100

111 103.4 81.7 122.5

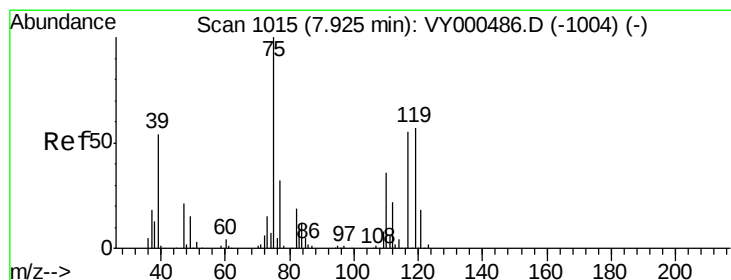
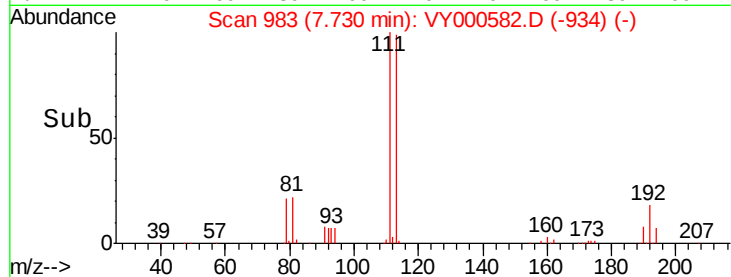
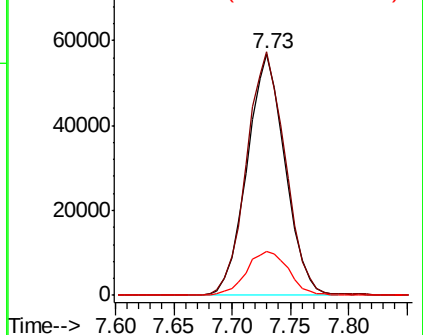
192 20.0 15.0 22.4



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: 4.419 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY000582.D

Acq: 07 Nov 2019 15:49

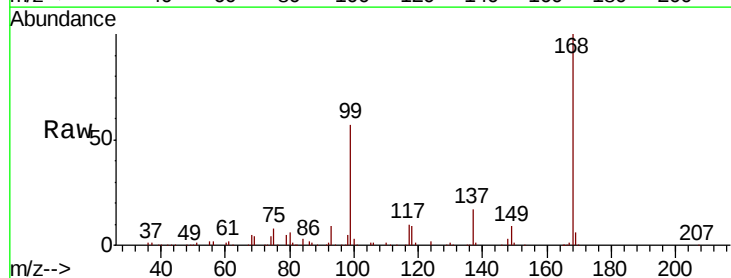
Tgt Ion: 75 Resp: 18287

Ion Ratio Lower Upper

75 100

110 8.2 18.1 54.1#

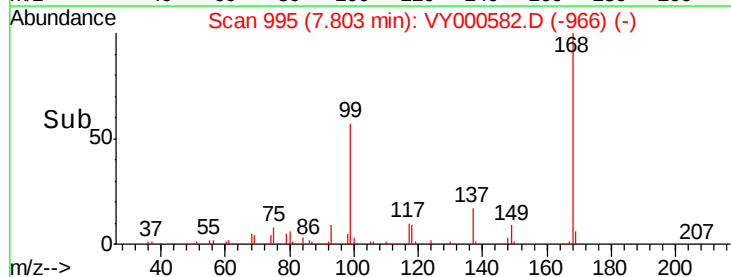
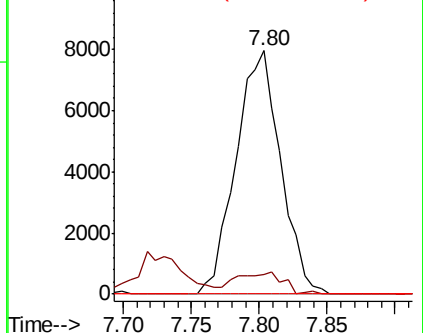
77 0.0 25.0 37.6#

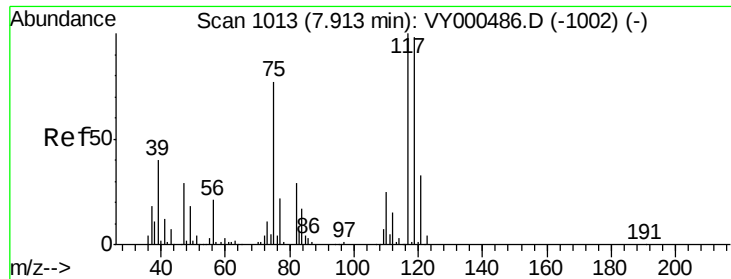


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.008 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000582.D

Acq: 07 Nov 2019 15:49

Instrument :

MSVOA_Y

ClientSampled :

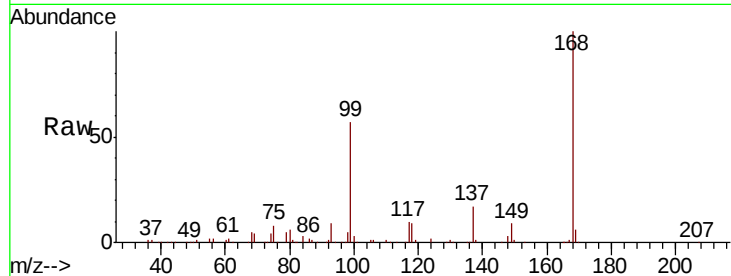
Tot Ion:117 Resp: 23924

Ion Ratio Lower Upper

117 100

119 5.2 78.0 117.0#

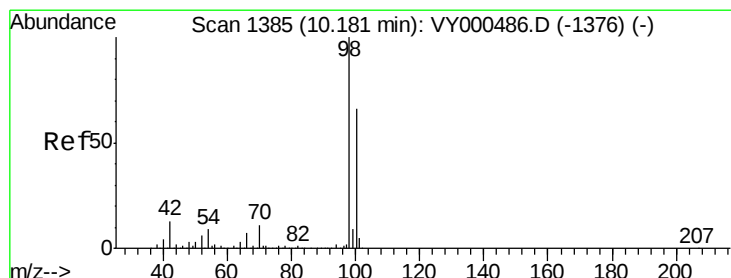
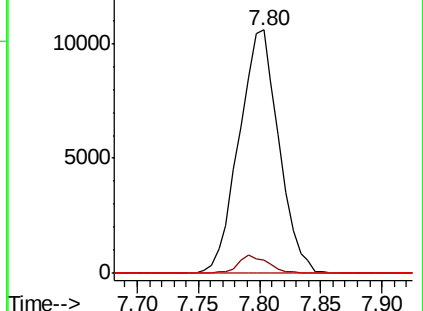
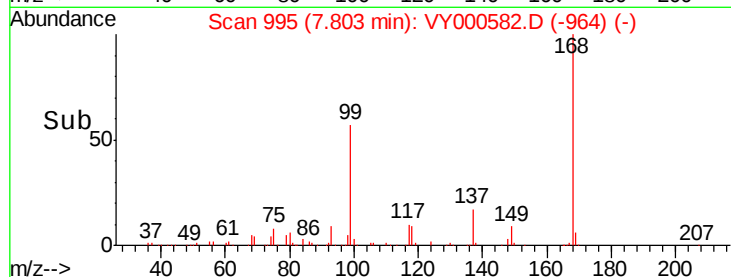
121 0.0 26.6 40.0#



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: 52.037 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000582.D

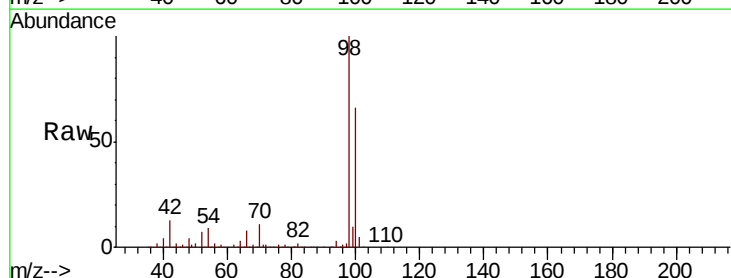
Acq: 07 Nov 2019 15:49

Tgt Ion: 98 Resp: 507422

Ion Ratio Lower Upper

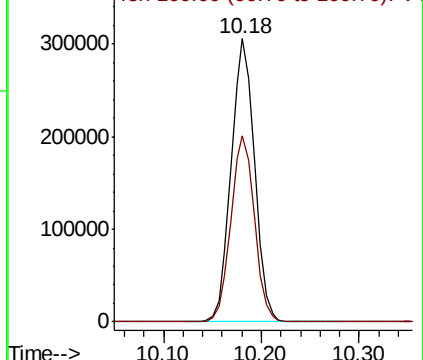
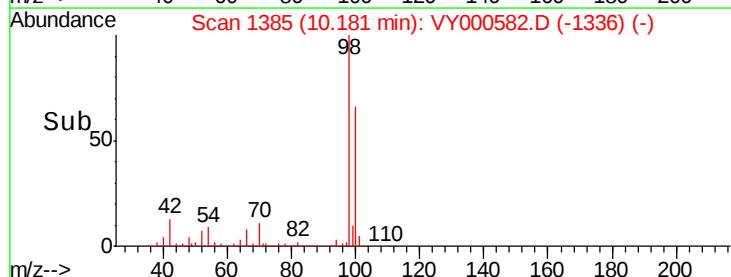
98 100

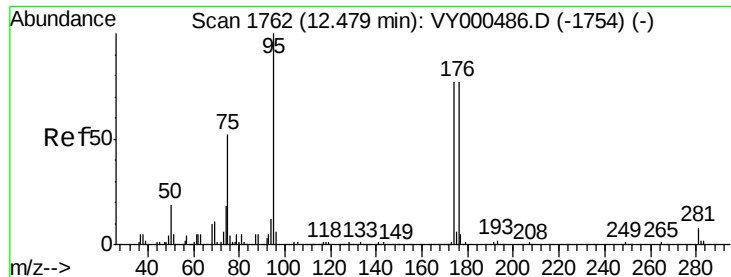
100 66.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

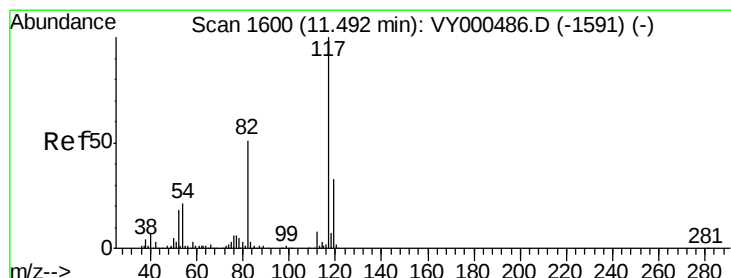
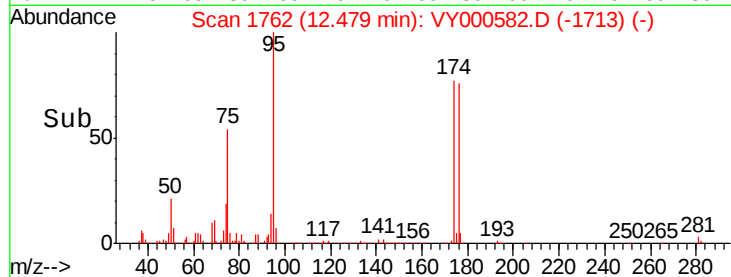
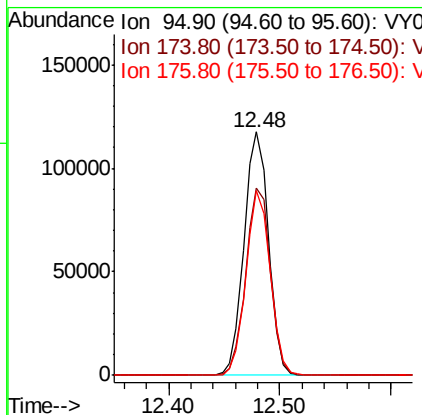
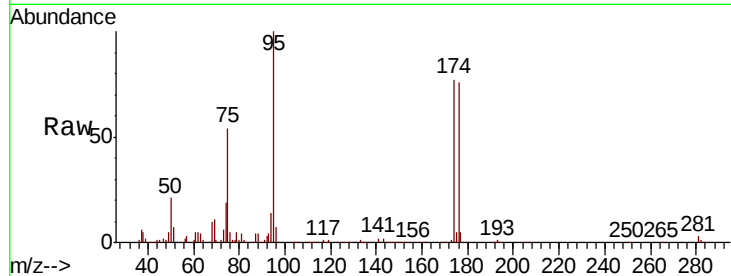




#62
4-Bromofluorobenzene
Concen: 48.338 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000582.D
Acq: 07 Nov 2019 15:49

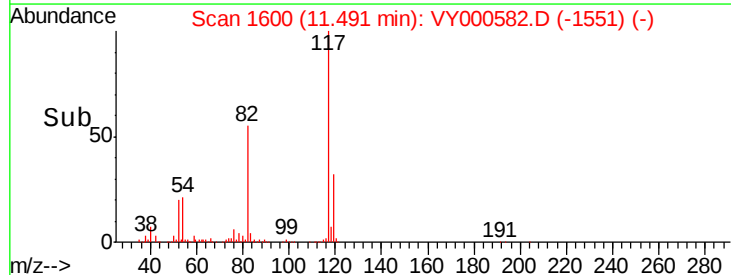
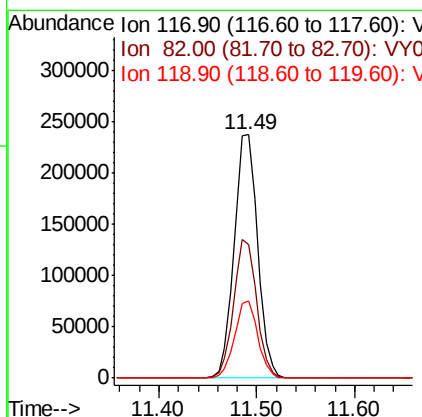
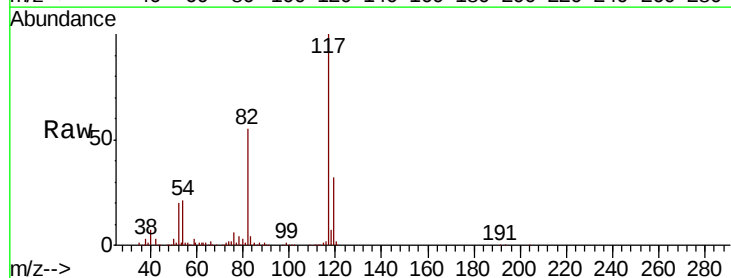
Instrument :
MSVOA_Y
ClientSampleId :

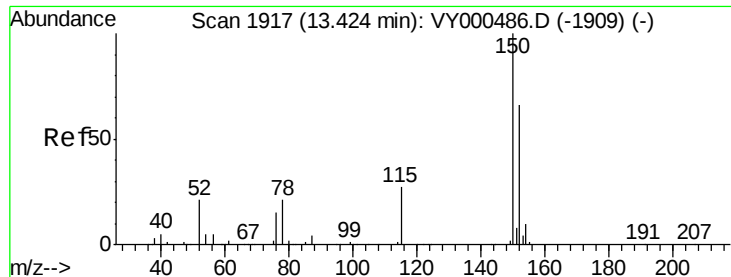
Tot Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	161.6
176	75.4	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000582.D
Acq: 07 Nov 2019 15:49

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.0	40.8	61.2
119	31.6	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: VY000582.D

Acq: 07 Nov 2019 15:49

Instrument :

MSVOA_Y

ClientSampleId :

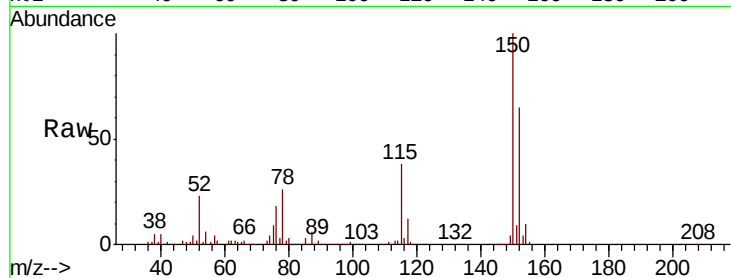
Tot Ion:152 Resp: 175170

Ion Ratio Lower Upper

152 100

115 59.5 29.1 87.4

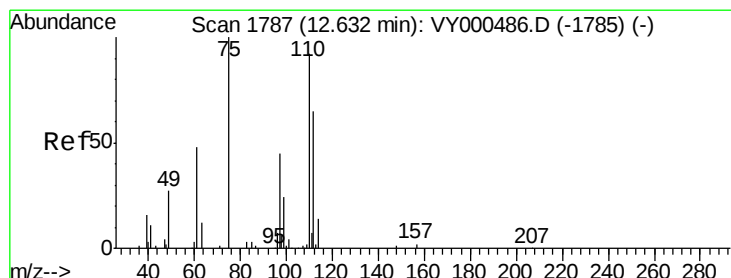
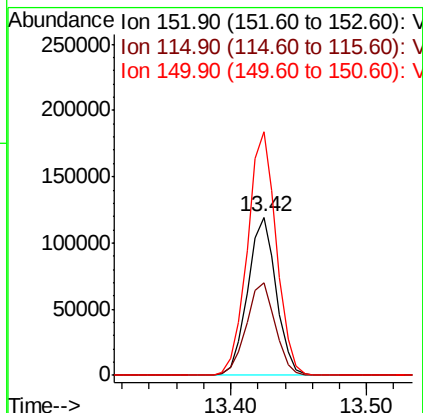
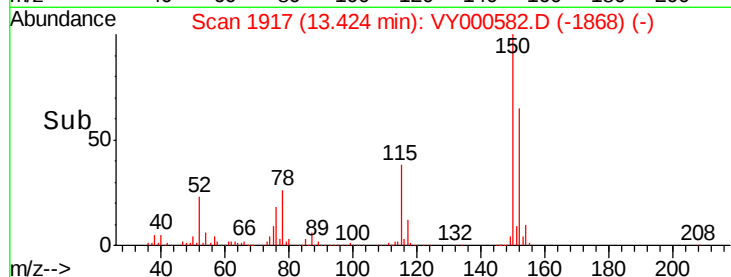
150 155.8 0.0 348.8



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: 48.145 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000582.D

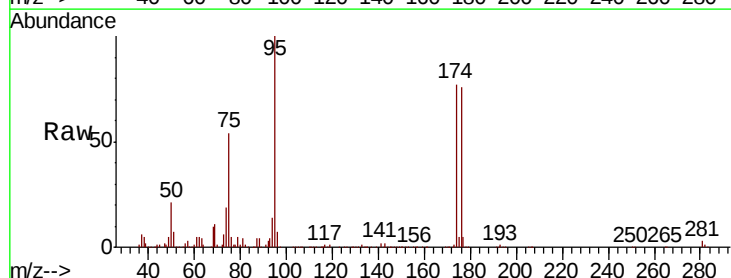
Acq: 07 Nov 2019 15:49

Tgt Ion: 75 Resp: 96027

Ion Ratio Lower Upper

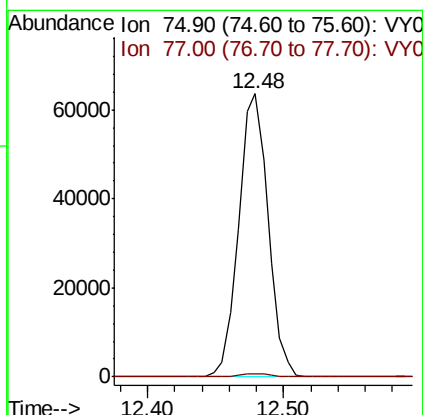
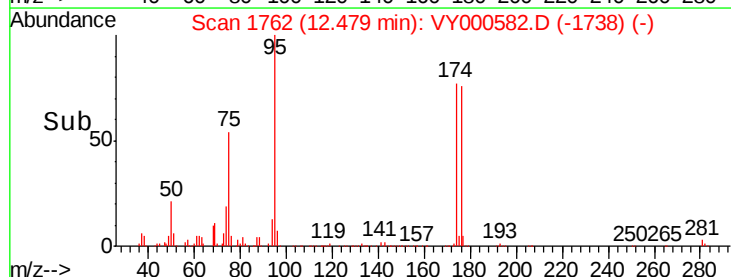
75 100

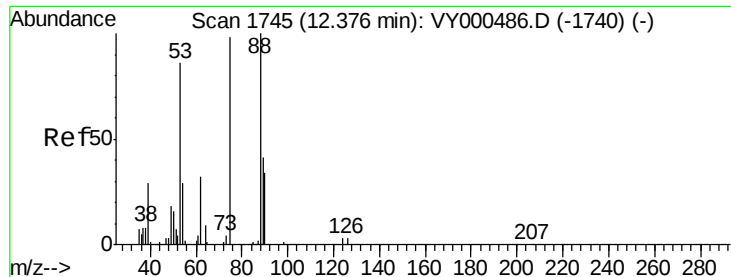
77 1.2 0.0 0.0#



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: 107.947 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000582.D

Acq: 07 Nov 2019 15:49

Instrument :

MSVOA_Y

ClientSampleId :

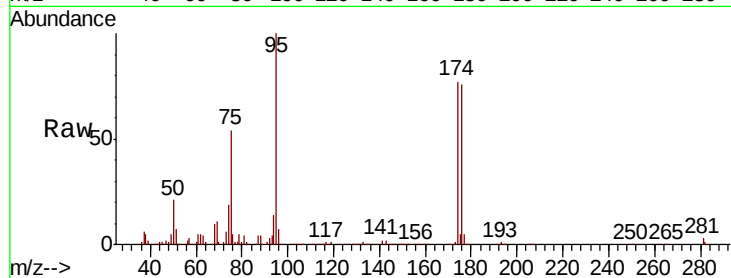
Tot Ion: 75 Resp: 96027

Ion Ratio Lower Upper

75 100

53 0.1 73.2 109.8#

89 0.3 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

