

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000612.D
 Acq On : 08 Nov 2019 13:21
 Operator : SY/MD
 Sample : K5722-11
 Misc : 7.92G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1-A

Quant Time: Nov 11 04:43:48 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	156214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	281877	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	240476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	105891	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	93178	57.64	ug/l	0.00
Spiked Amount			Recovery	=	115.28%	
35) Dibromofluoromethane	7.73	113	82524	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
50) Toluene-d8	10.18	98	325343	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
62) 4-Bromofluorobenzene	12.48	95	106005	44.35	ug/l	0.00
Spiked Amount			Recovery	=	88.70%	

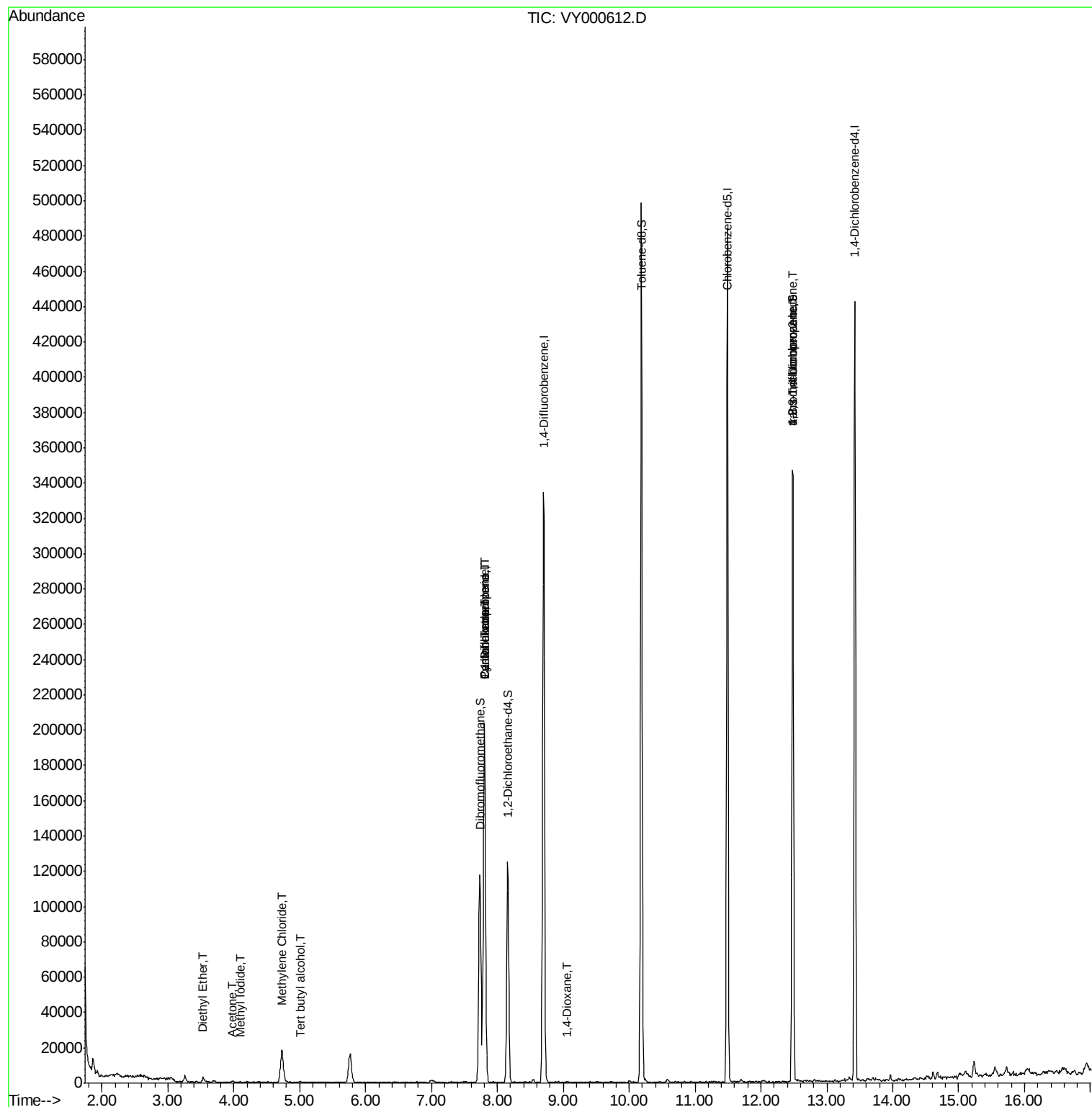
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	948	1.004	ug/l #	16
10) Methyl Iodide	4.10	142	60	3.226	ug/l #	1
11) Tert butyl alcohol	5.00	59	245	1.557	ug/l #	72
16) Acetone	3.98	43	1168	2.621	ug/l #	42
20) Methylene Chloride	4.73	84	12764	6.686	ug/l #	93
31) Cyclohexane	7.80	56	3934	1.257	ug/l #	25
36) 1,1-Dichloropropene	7.81	75	12609	4.732	ug/l #	45
38) Carbon Tetrachloride	7.81	117	15691	6.120	ug/l #	15
49) 1,4-Dioxane	9.05	88	62	4.356	ug/l #	27
76) 1,2,3-Trichloropropane	12.48	75	59105	49.021	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	59105	109.911	ug/l #	13

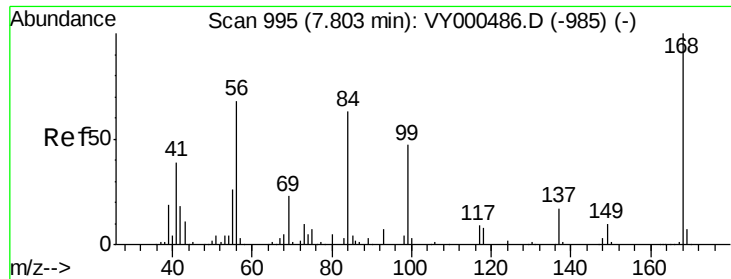
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000612.D

Acq: 08 Nov 2019 13:21

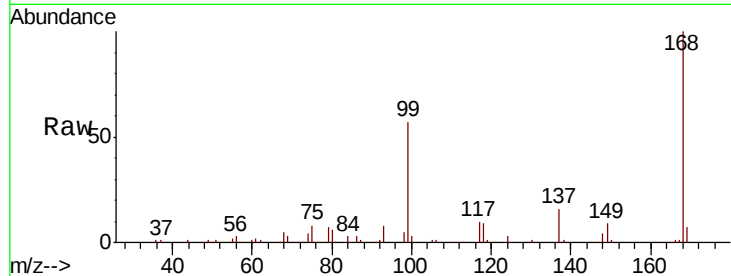
Instrument :
MSVOA_Y
ClientSampleId :
1-A

Tot Ion:168 Resp: 156214

Ion Ratio Lower Upper

168 100

99 57.1 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) (-)

7.80

60000

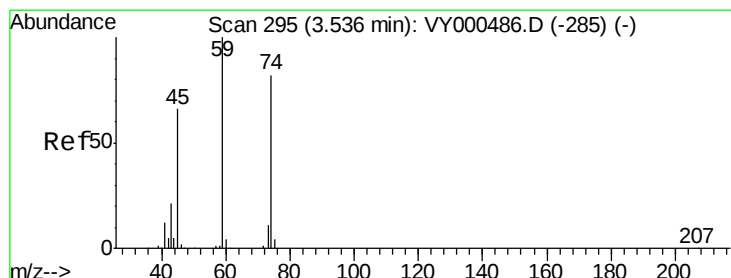
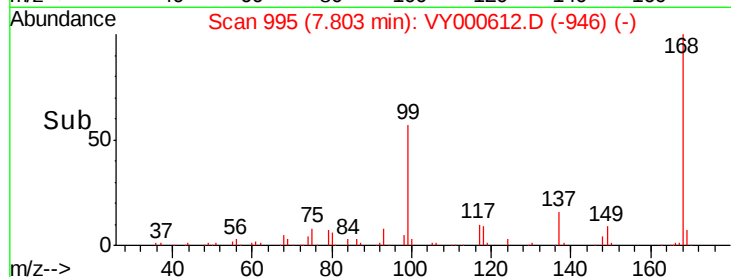
40000

20000

0

7.70 7.80 7.90

Time-->



#8

Diethyl Ether

Concen: 1.004 ug/l

RT: 3.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VY000612.D

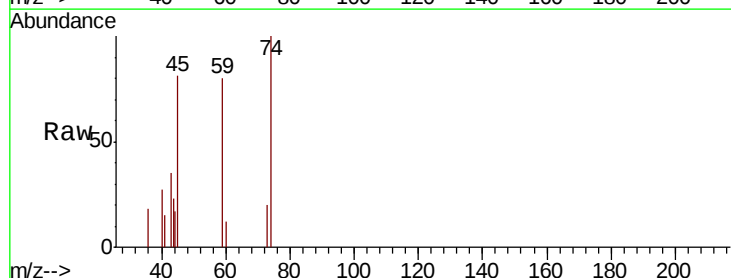
Acq: 08 Nov 2019 13:21

Tgt Ion: 74 Resp: 948

Ion Ratio Lower Upper

74 100

45 170.6 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) (-)

3.54

800

600

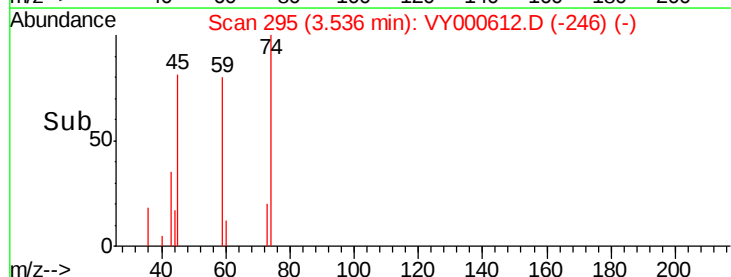
400

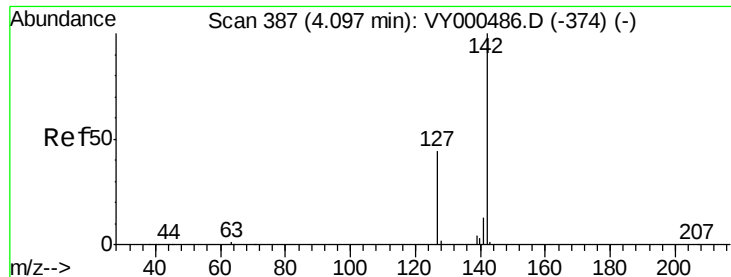
200

0

3.50 3.52 3.54 3.56

Time-->

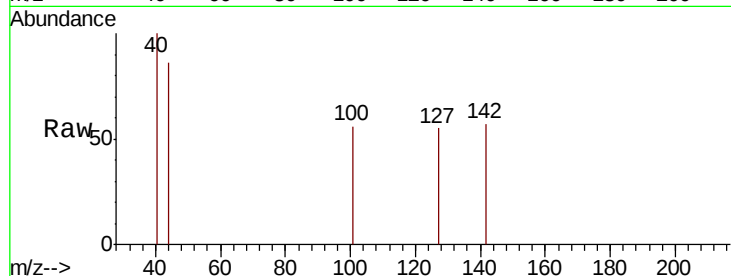




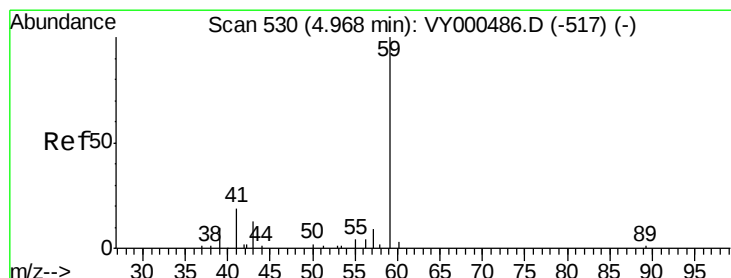
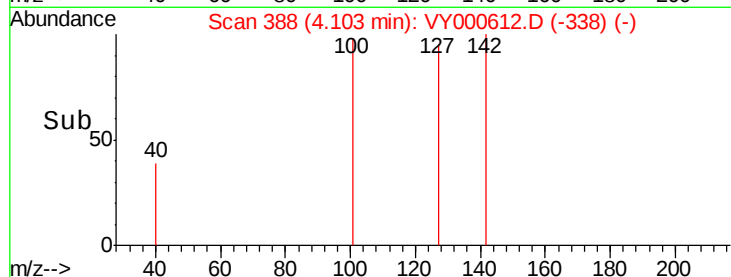
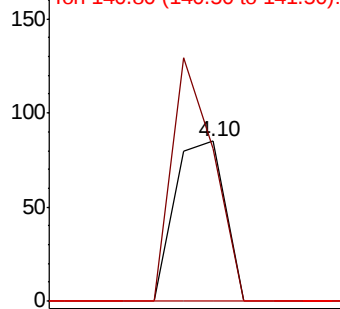
#10
Methvl Iodide
Concen: 3.226 ug/l
RT: 4.10 min Scan# 388
Delta R.T. 0.01 min
Lab File: VY000612.D
Acq: 08 Nov 2019 13:21

Instrument :
MSVOA_Y
ClientSampleId :
1-A

Tot Ion:142 Resp: 60
Ion Ratio Lower Upper
142 100
127 128.3 33.7 50.5#
141 0.0 10.9 16.3#

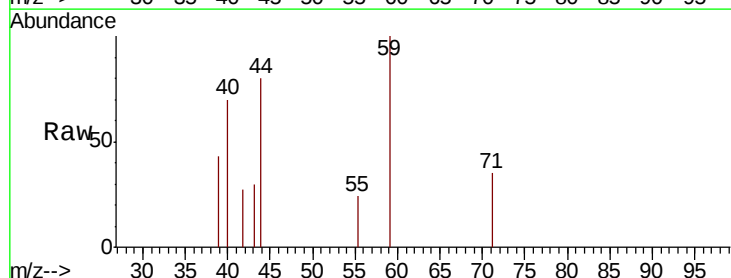


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

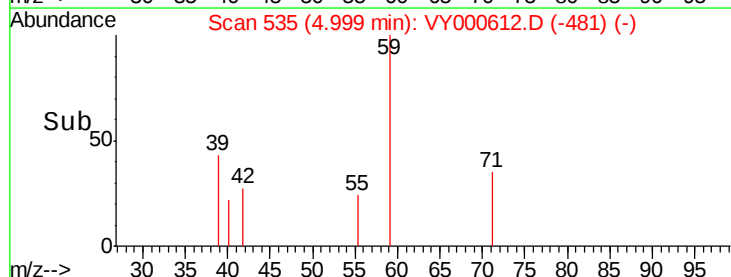
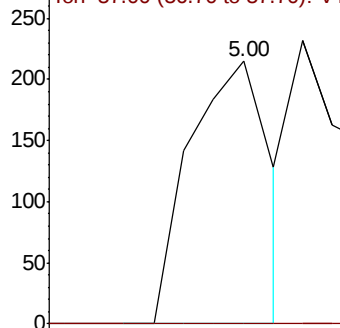


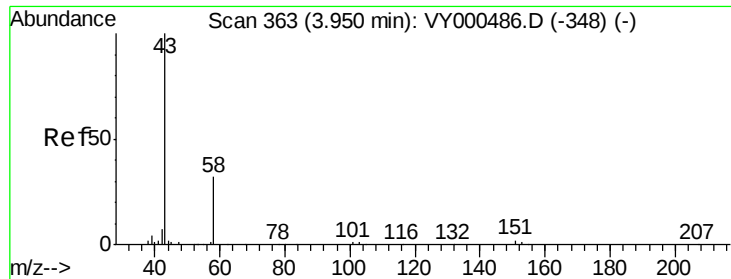
#11
Tert butyl alcohol
Concen: 1.557 ug/l
RT: 5.00 min Scan# 535
Delta R.T. 0.03 min
Lab File: VY000612.D
Acq: 08 Nov 2019 13:21

Tgt Ion: 59 Resp: 245
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





#16

Acetone

Concen: 2.621 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.03 min

Lab File: VY000612.D

Acq: 08 Nov 2019 13:21

Instrument :

MSVOA_Y

ClientSampled :

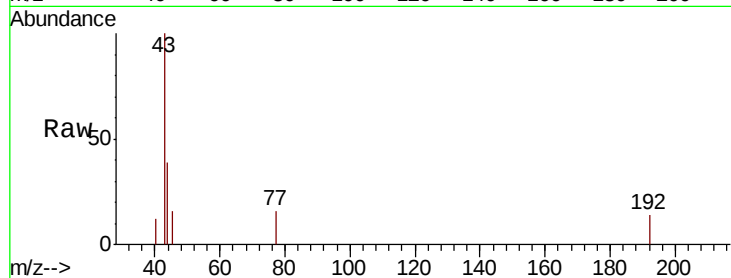
1-A

Tot Ion: 43 Resp: 1168

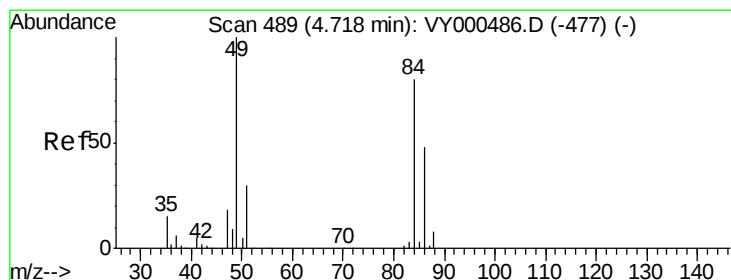
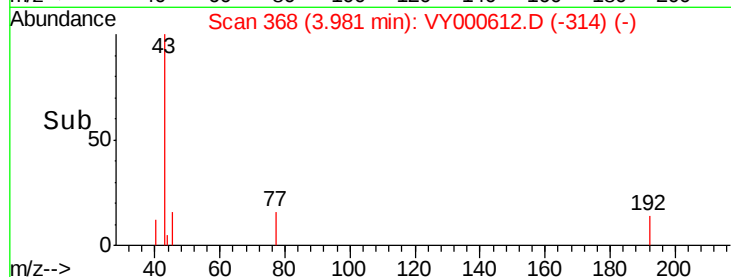
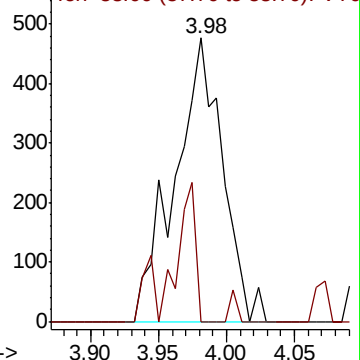
Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-348) (-)



#20

Methylene Chloride

Concen: 6.686 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY000612.D

Acq: 08 Nov 2019 13:21

Tgt Ion: 84 Resp: 12764

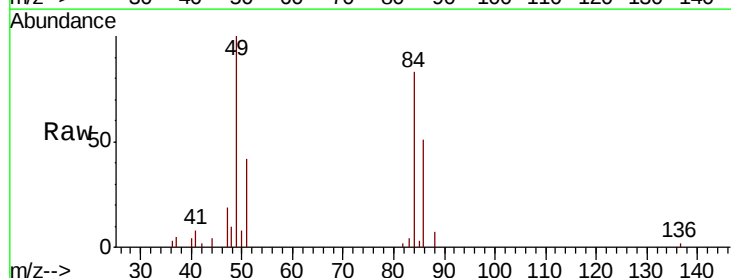
Ion Ratio Lower Upper

84 100

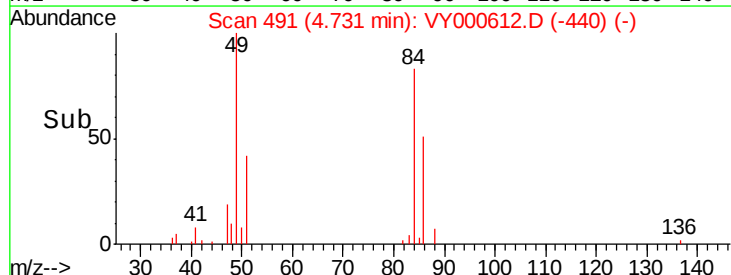
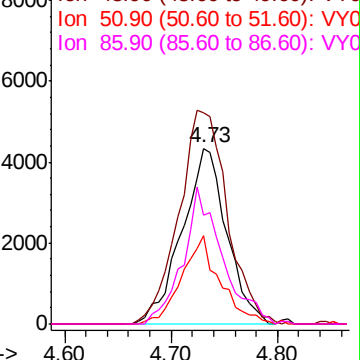
49 120.3 100.2 150.4

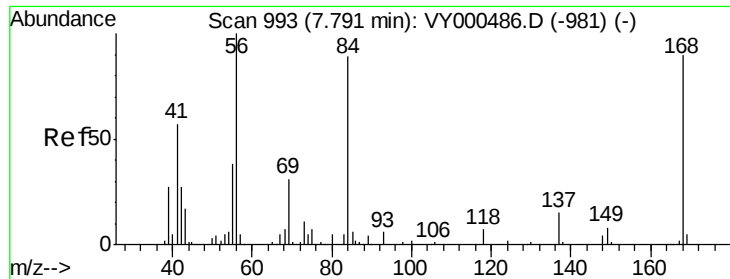
51 50.1 29.6 44.4#

86 61.7 48.3 72.5



Abundance Ion 83.90 (83.60 to 84.60): VY000486.D (-477) (-)

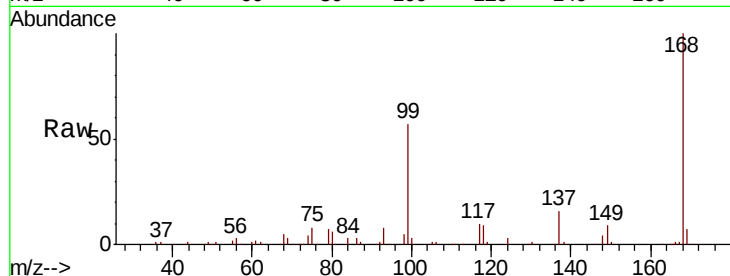




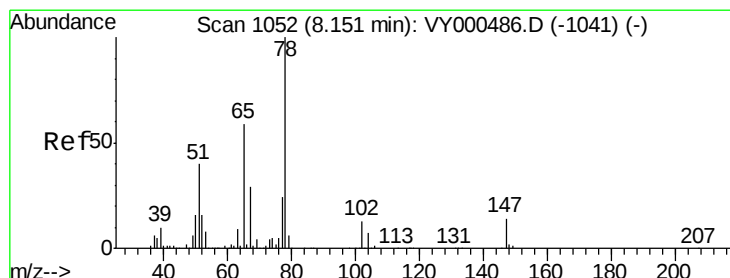
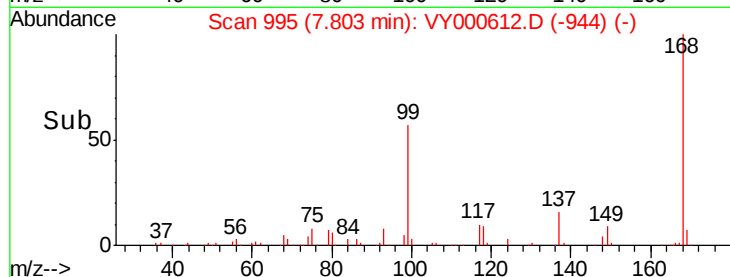
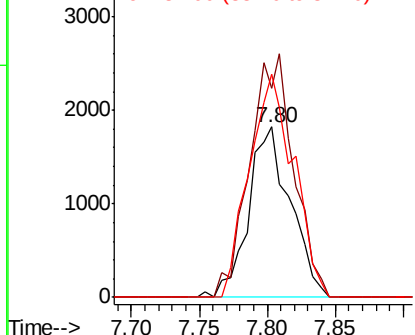
#31
Cyclohexane
Concen: 1.257 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000612.D
Acq: 08 Nov 2019 13:21

Instrument :
MSVOA_Y
ClientSampleId :
1-A

Tot Ion: 56 Resp: 3934
Ion Ratio Lower Upper
56 100
69 122.2 25.0 37.6#
84 130.5 71.4 107.2#

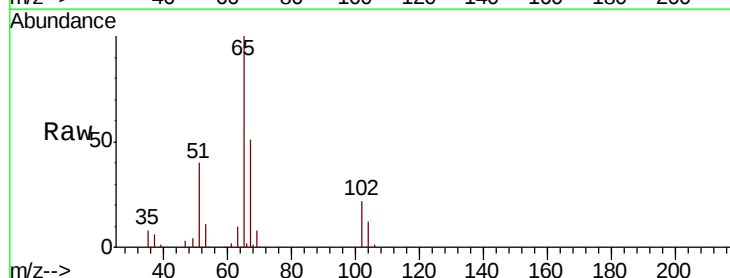


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

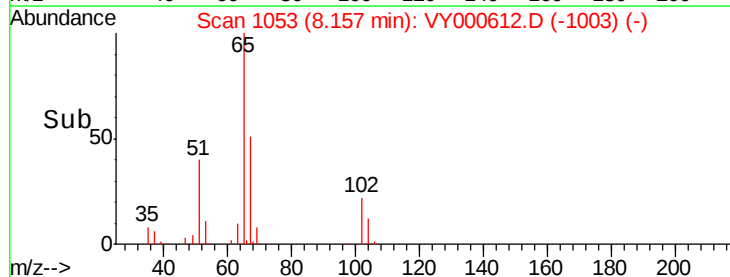
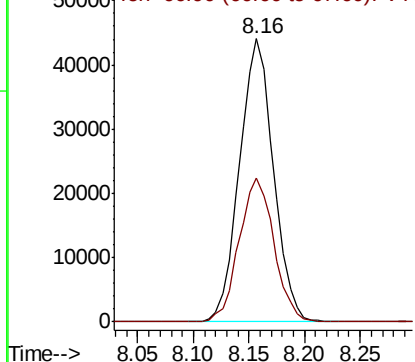


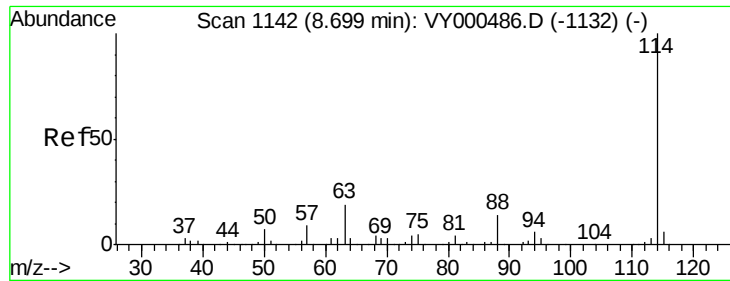
#33
1,2-Dichloroethane-d4
Concen: 57.638 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VY000612.D
Acq: 08 Nov 2019 13:21

Tgt Ion: 65 Resp: 93178
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.2



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

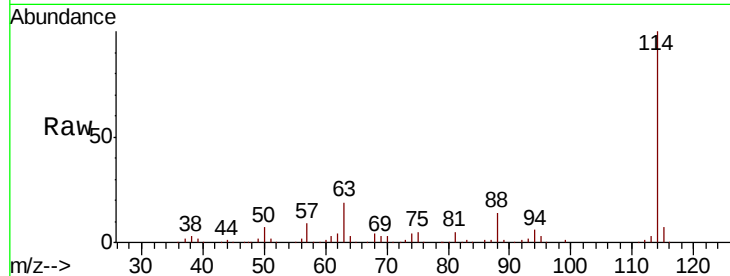




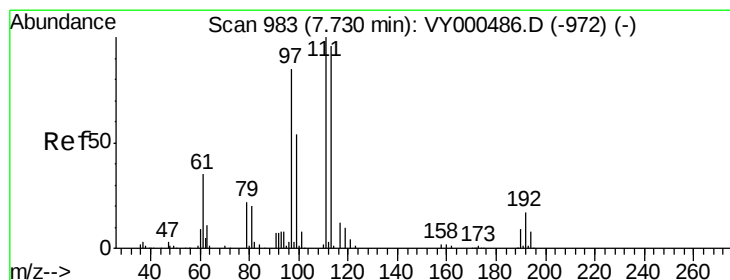
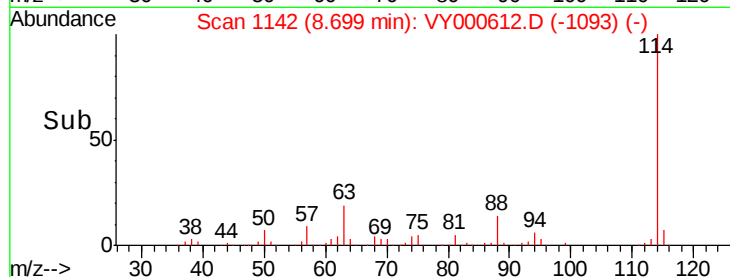
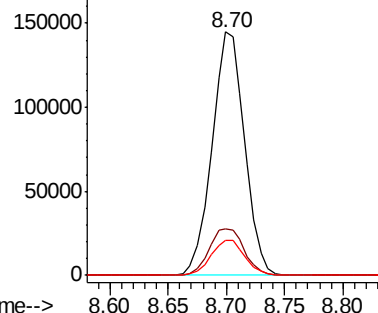
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000612.D
 Acq: 08 Nov 2019 13:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 1-A

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	38.0
88	14.4	0.0	28.6

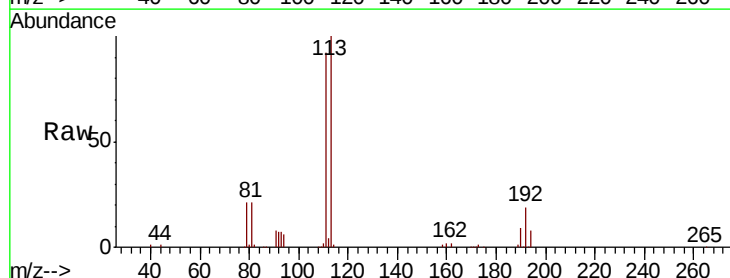


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

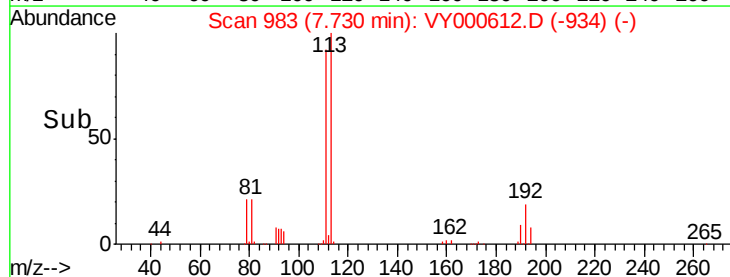
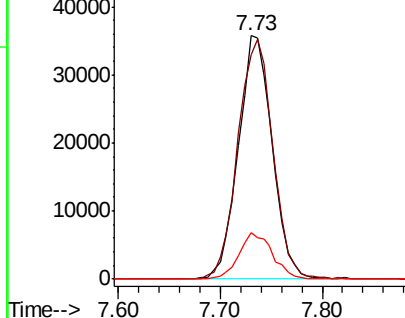


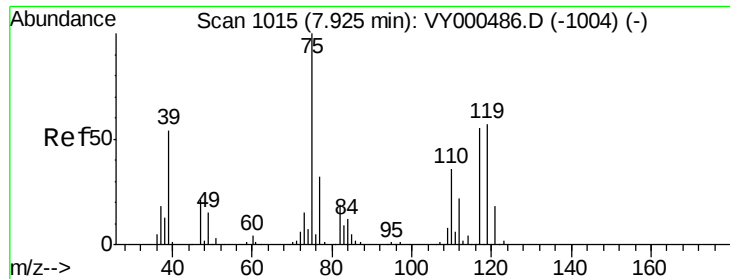
#35
 Dibromofluoromethane
 Concen: 49.869 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000612.D
 Acq: 08 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.7	122.5
192	18.8	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

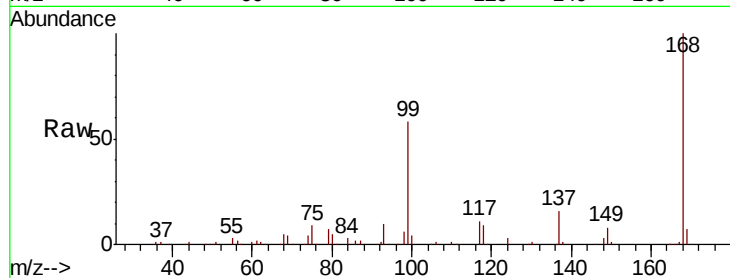




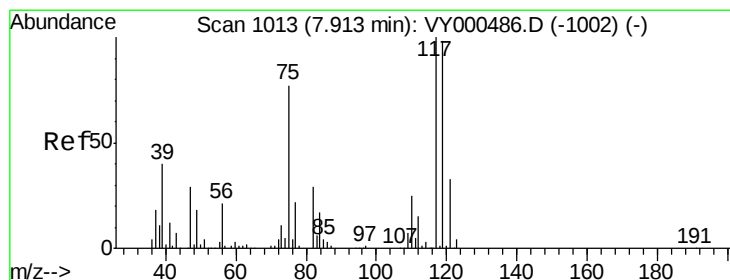
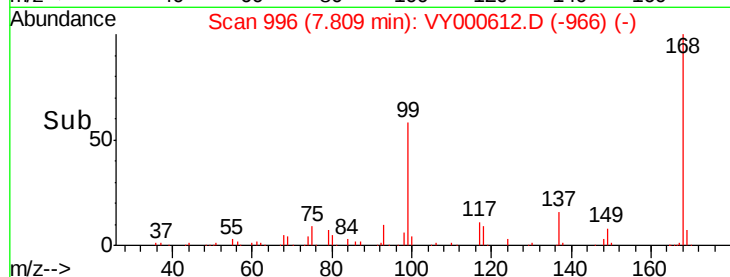
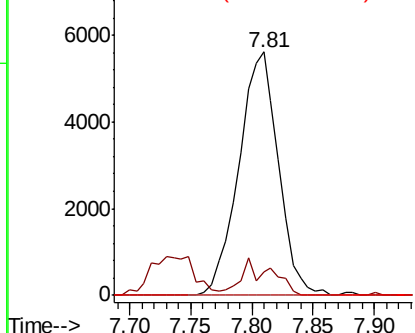
#36
 1,1-Dichloropropene
 Concen: 4.732 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY000612.D
 Acq: 08 Nov 2019 13:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 1-A

Tot Ion	Ratio	Lower	Upper
75	100		
110	5.1	18.1	54.1#
77	0.0	25.0	37.6#

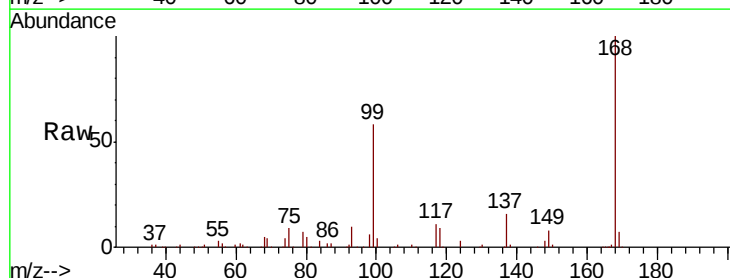


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

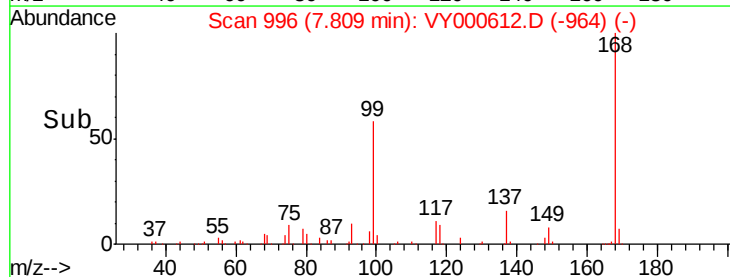
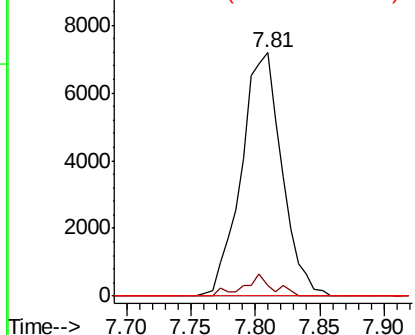


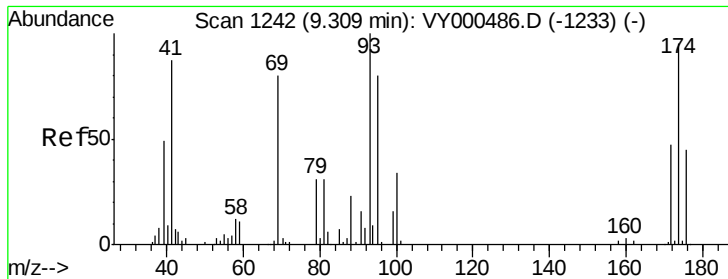
#38
 Carbon Tetrachloride
 Concen: 6.120 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.10 min
 Lab File: VY000612.D
 Acq: 08 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	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





#49

1,4-Dioxane

Concen: 4.356 ug/l

RT: 9.05 min Scan# 1199

Delta R.T. -0.26 min

Lab File: VY000612.D

Acq: 08 Nov 2019 13:21

Instrument :

MSVOA_Y

ClientSampled :

1-A

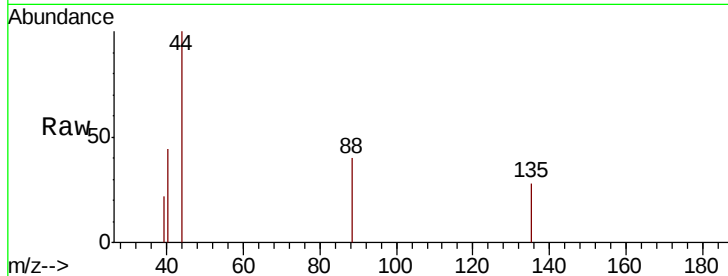
Tot Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

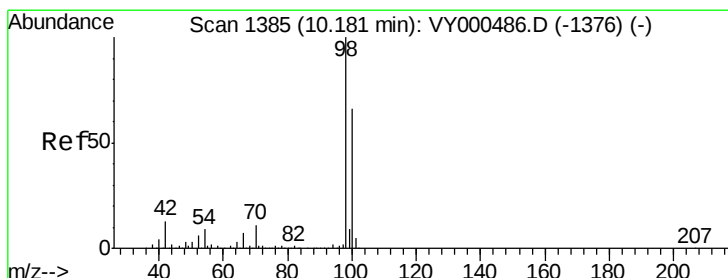
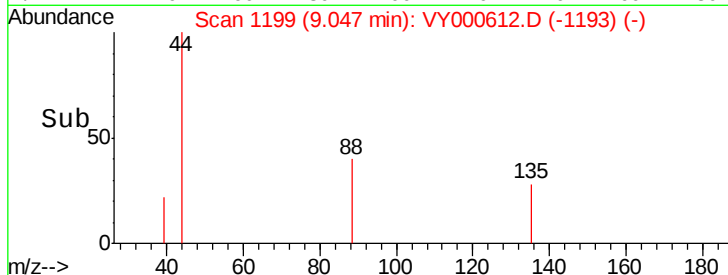
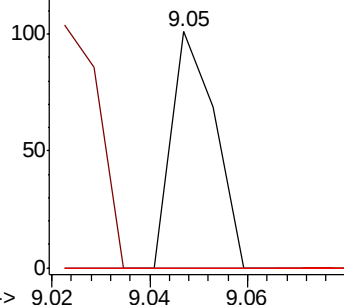
58 0.0 50.6 75.8#



Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 51.814 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000612.D

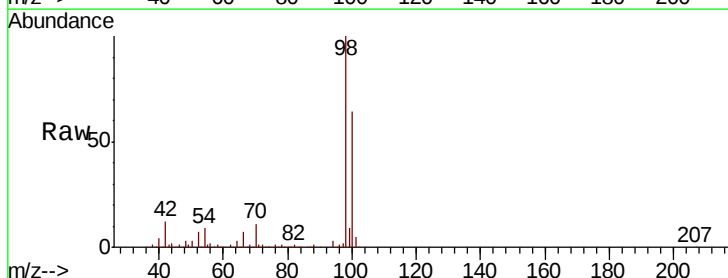
Acq: 08 Nov 2019 13:21

Tgt Ion: 98 Resp: 325343

Ion Ratio Lower Upper

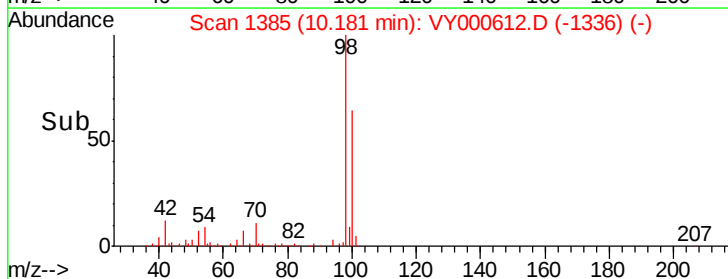
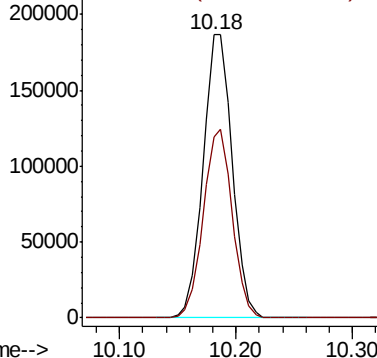
98 100

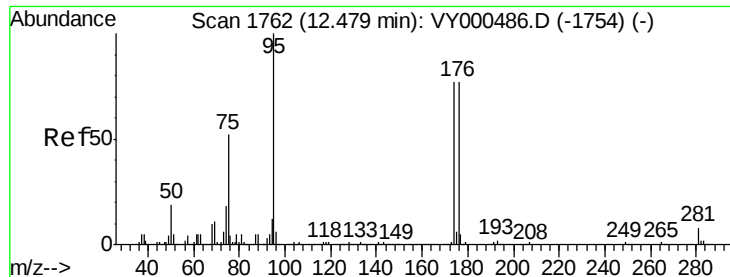
100 66.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

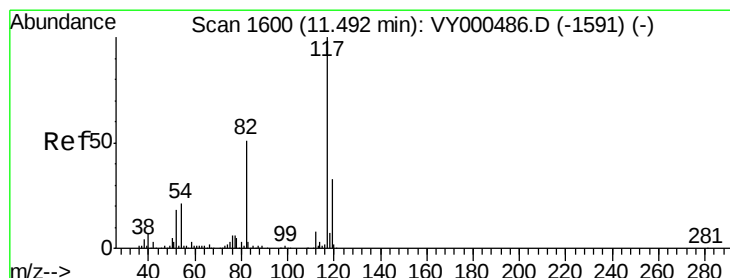
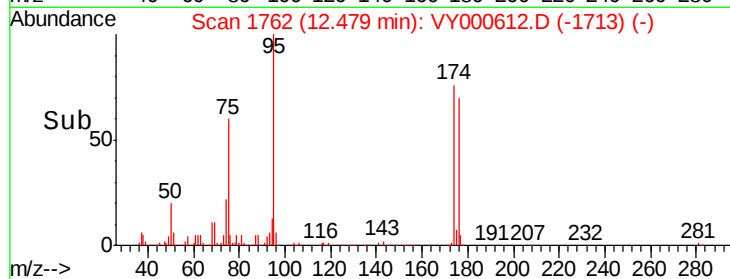
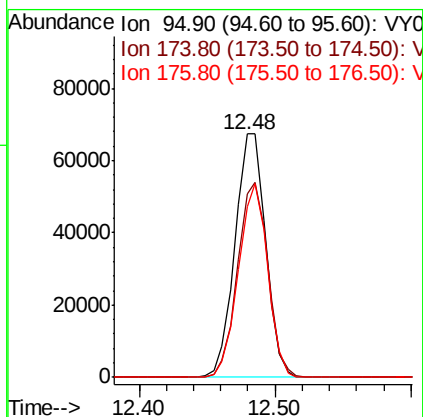
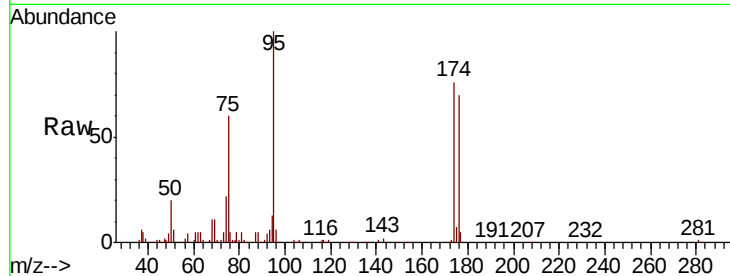




#62
4-Bromofluorobenzene
Concen: 44.346 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000612.D
Acq: 08 Nov 2019 13:21

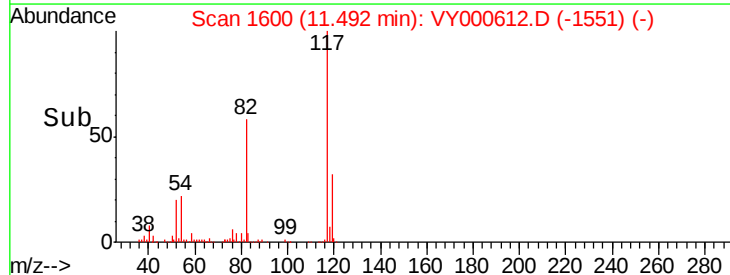
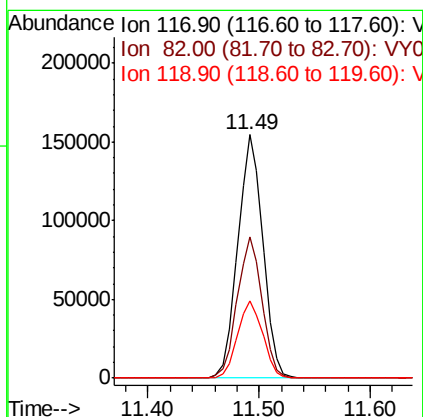
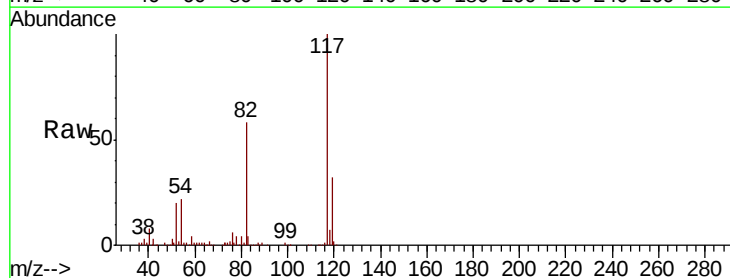
Instrument :
MSVOA_Y
ClientSampled :
1-A

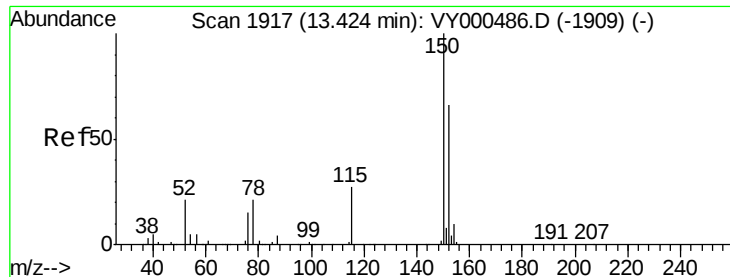
Tot Ion	95	Resp	106005
Ion Ratio	Lower	Upper	
95	100		
174	79.3	0.0	161.6
176	75.7	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000612.D
Acq: 08 Nov 2019 13:21

Tgt Ion	117	Resp	240476
Ion Ratio	Lower	Upper	
117	100		
82	58.2	40.8	61.2
119	31.8	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: VY000612.D

Acq: 08 Nov 2019 13:21

Instrument :

MSVOA_Y

ClientSampleId :

1-A

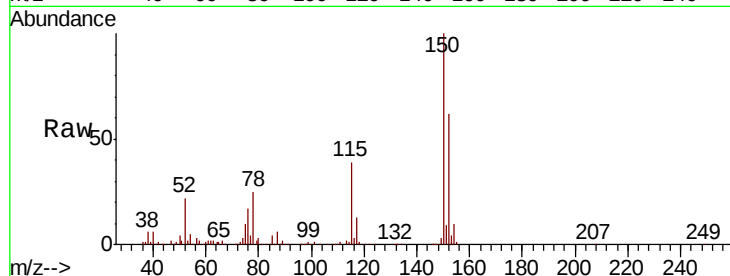
Tot Ion:152 Resp: 105891

Ion Ratio Lower Upper

152 100

115 58.6 29.1 87.4

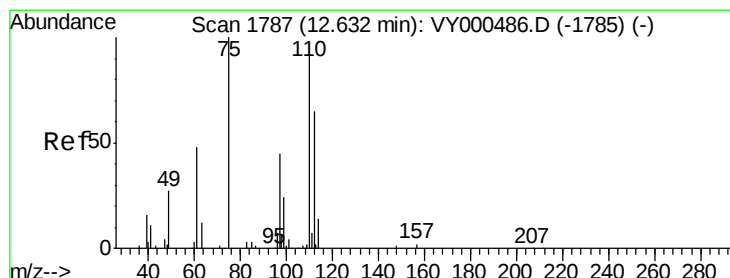
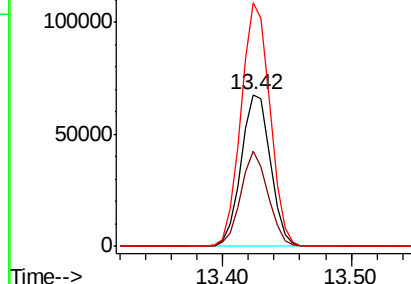
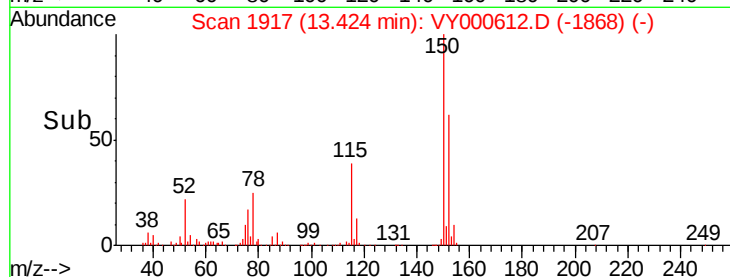
150 158.7 0.0 348.8



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: 49.021 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000612.D

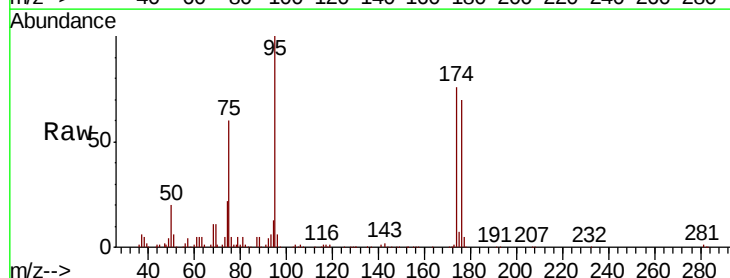
Acq: 08 Nov 2019 13:21

Tgt Ion: 75 Resp: 59105

Ion Ratio Lower Upper

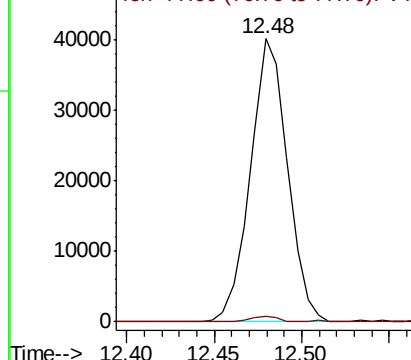
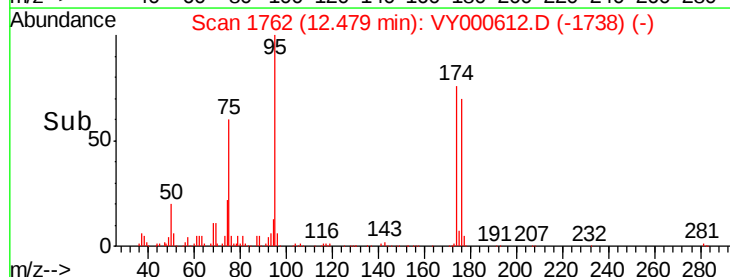
75 100

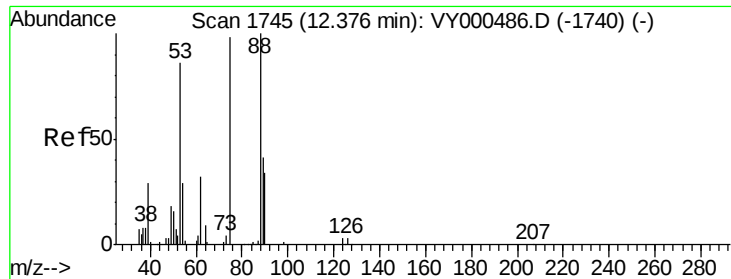
77 1.5 0.0 0.0#



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: 109.911 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000612.D

Acq: 08 Nov 2019 13:21

Instrument :

MSVOA_Y

ClientSampleId :

1-A

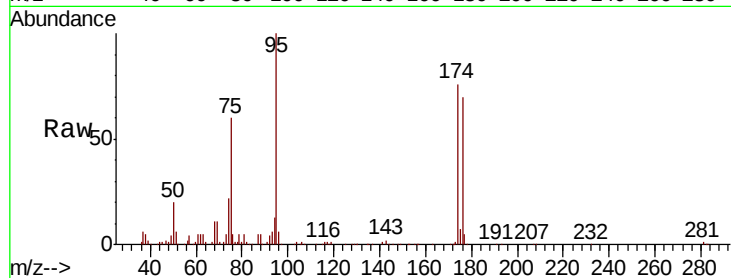
Tot Ion: 75 Resp: 59105

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.2 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

