

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
 Data File : VY000591.D
 Acq On : 07 Nov 2019 19:09
 Operator : SY/MD
 Sample : K5722-03
 Misc : 7.54G/5ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 03:49:34 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	224065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	403068	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	365484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	158924	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	140803	60.72	ug/l	0.00
Spiked Amount						
			Recovery	=	121.44%	
35) Dibromofluoromethane	7.73	113	120039	50.73	ug/l	0.00
Spiked Amount						
			Recovery	=	101.46%	
50) Toluene-d8	10.19	98	475394	52.95	ug/l	0.00
Spiked Amount						
			Recovery	=	105.90%	
62) 4-Bromofluorobenzene	12.48	95	162757	47.62	ug/l	0.00
Spiked Amount						
			Recovery	=	95.24%	

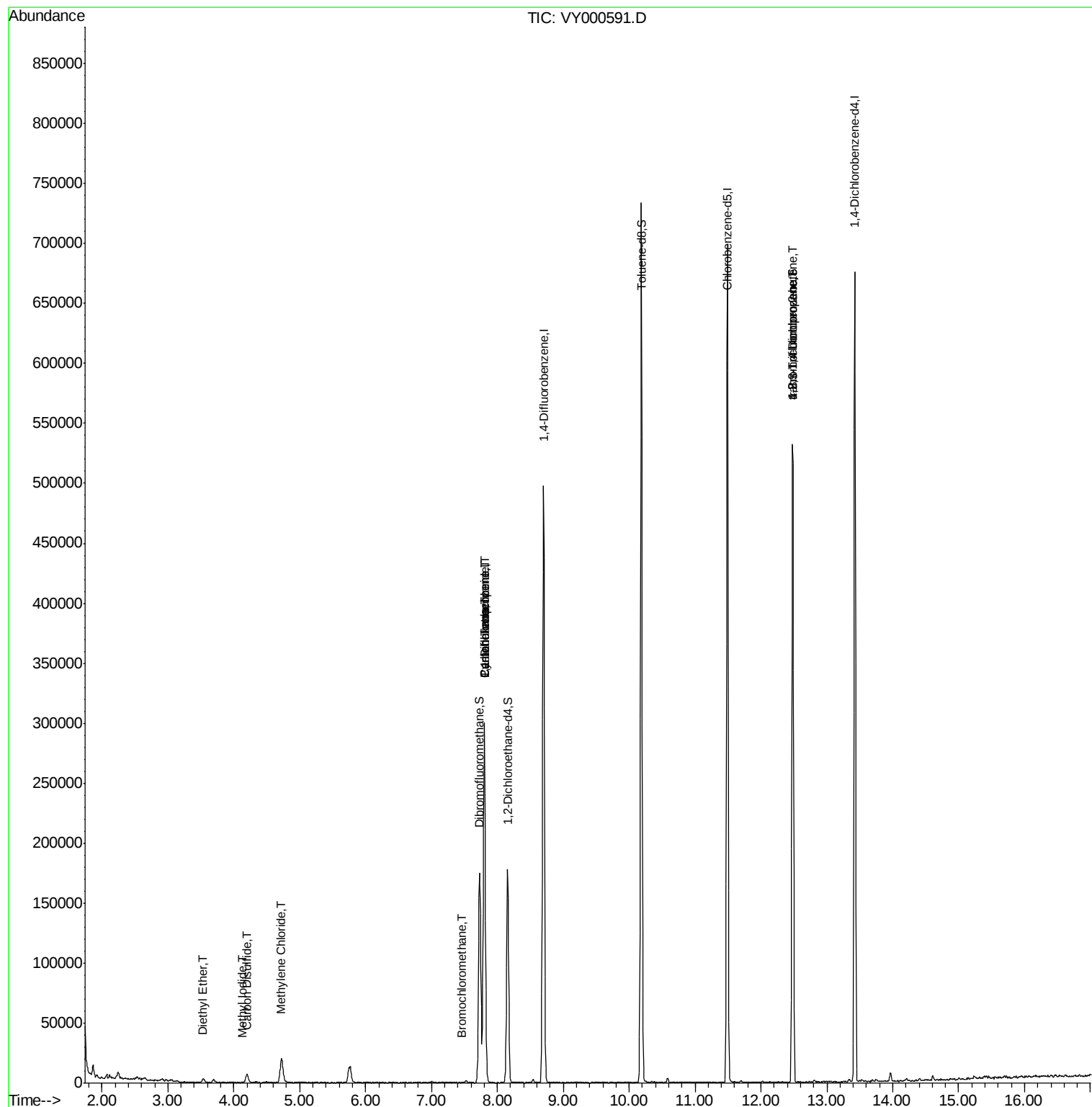
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.52	74	1896	1.400	ug/l #	4
10) Methyl Iodide	4.12	142	112	3.234	ug/l #	41
17) Carbon Disulfide	4.20	76	14282	2.023	ug/l	98
20) Methylene Chloride	4.72	84	14841	5.420	ug/l #	97
28) Bromochloromethane	7.45	49	44	4.113	ug/l #	14
31) Cyclohexane	7.80	56	5621	1.252	ug/l #	22
36) 1,1-Dichloropropene	7.80	75	18497	4.854	ug/l #	49
38) Carbon Tetrachloride	7.80	117	23731	6.472	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	88428	48.867	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	88428	109.566	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: VY000591.D

Acq: 07 Nov 2019 19:09

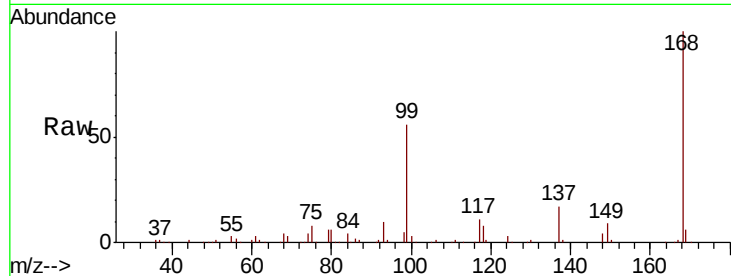
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 224065

Ion Ratio Lower Upper

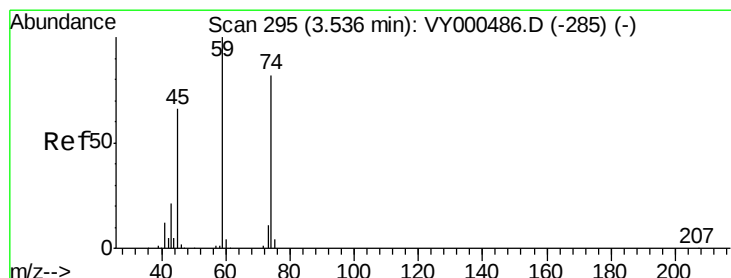
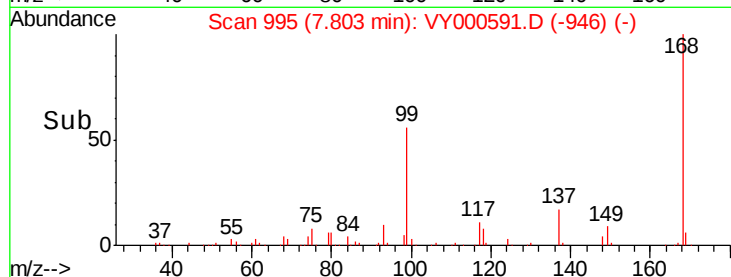
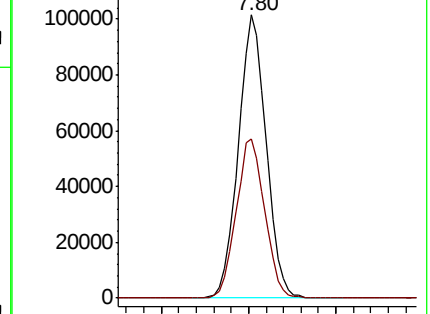
168 100

99 56.3 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: 1.400 ug/l

RT: 3.52 min Scan# 293

Delta R.T. -0.01 min

Lab File: VY000591.D

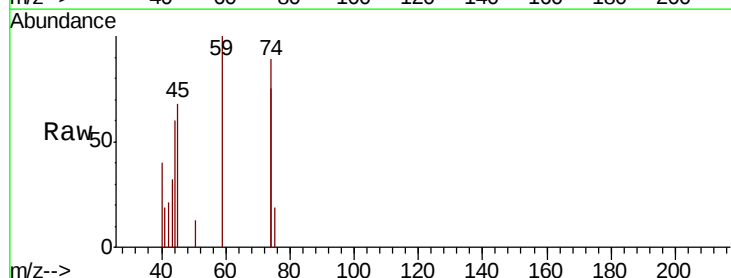
Acq: 07 Nov 2019 19:09

Tgt Ion: 74 Resp: 1896

Ion Ratio Lower Upper

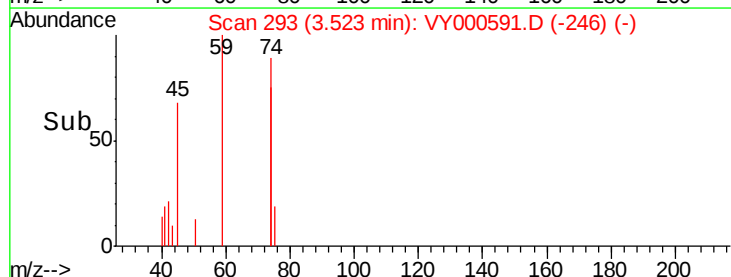
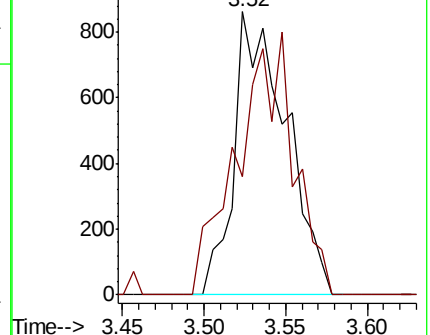
74 100

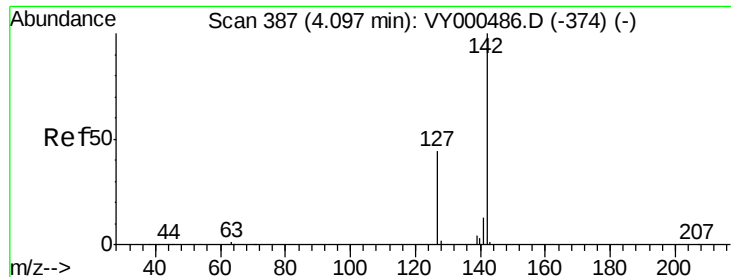
45 0.0 45.5 136.4#



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

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

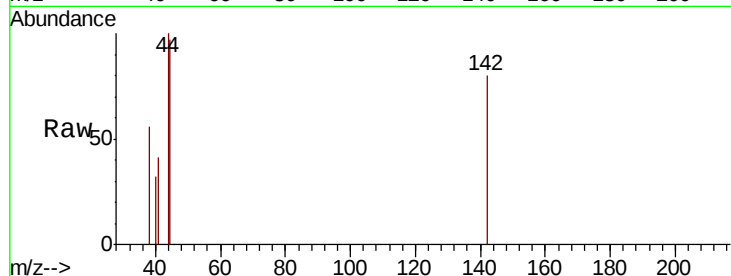




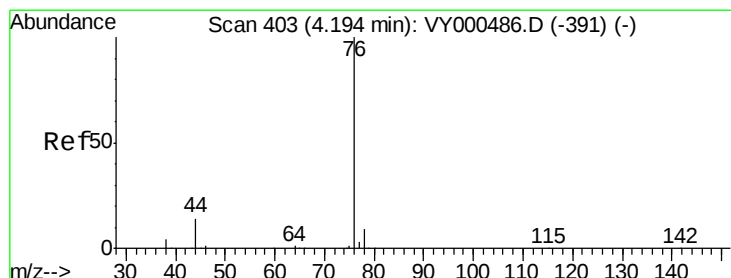
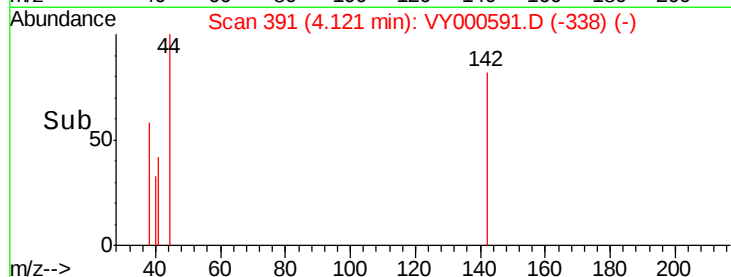
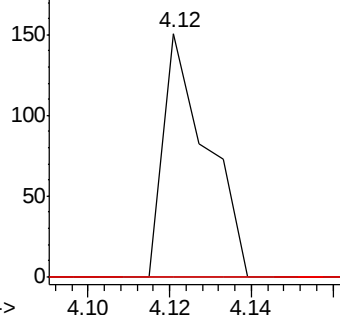
#10
Methyl Iodide
Concen: 3.234 ug/l
RT: 4.12 min Scan# 391
Delta R.T. 0.02 min
Lab File: VY000591.D
Acq: 07 Nov 2019 19:09

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:142 Resp: 112
Ion Ratio Lower Upper
142 100
127 0.0 33.7 50.5#
141 0.0 10.9 16.3#

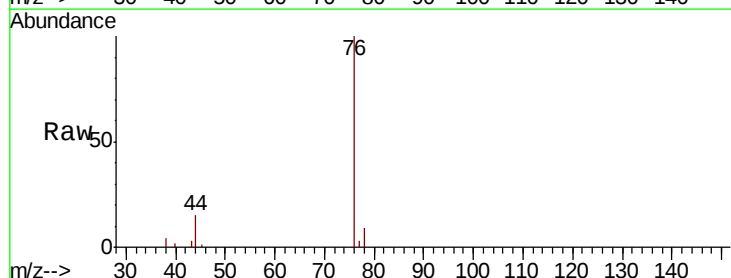


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

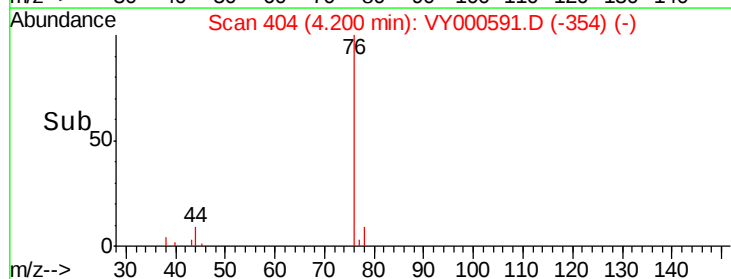
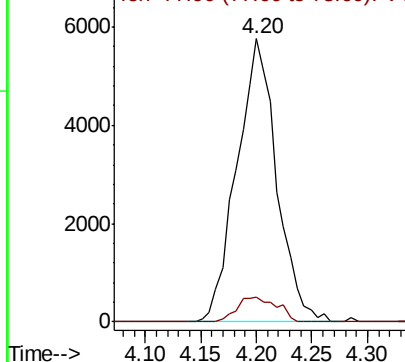


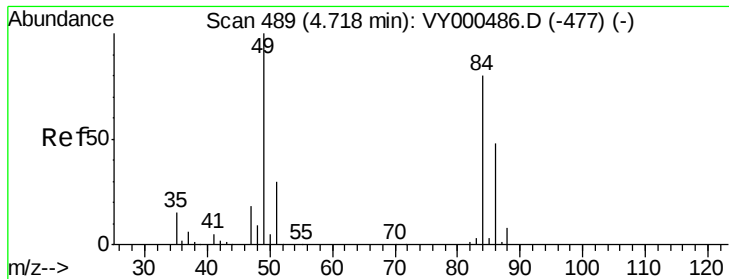
#17
Carbon Disulfide
Concen: 2.023 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY000591.D
Acq: 07 Nov 2019 19:09

Tgt Ion: 76 Resp: 14282
Ion Ratio Lower Upper
76 100
78 8.6 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VY0
Ion 77.90 (77.60 to 78.60): VY0

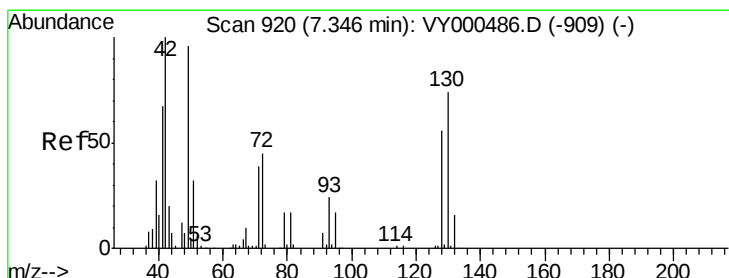
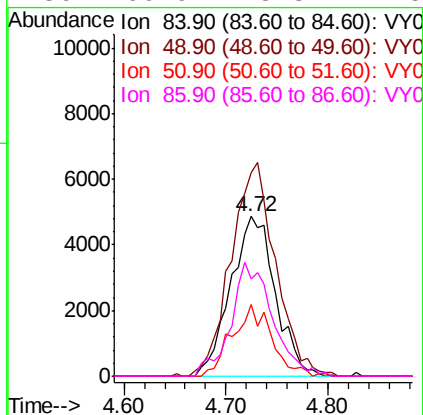
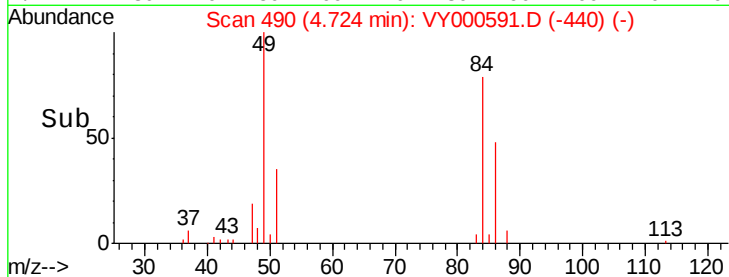
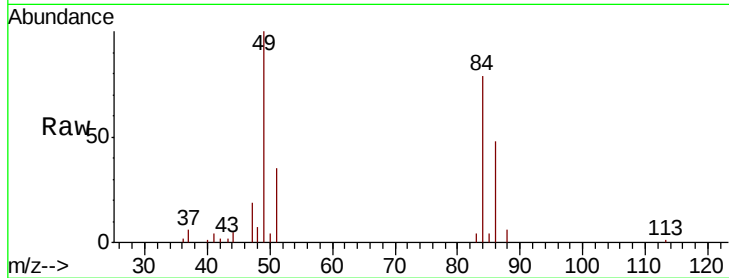




#20
Methvlene Chloride
Concen: 5.420 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000591.D
Acq: 07 Nov 2019 19:09

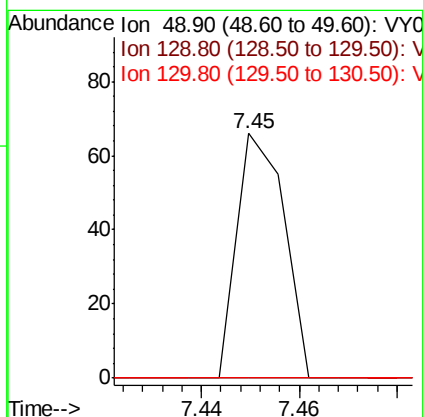
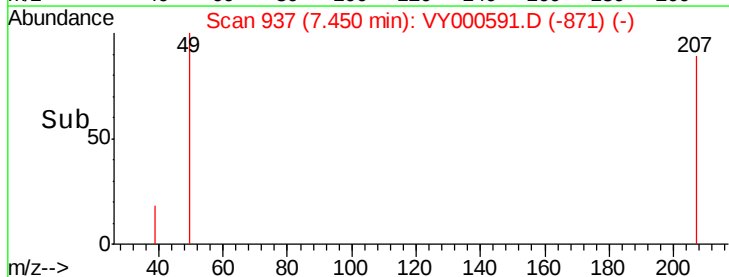
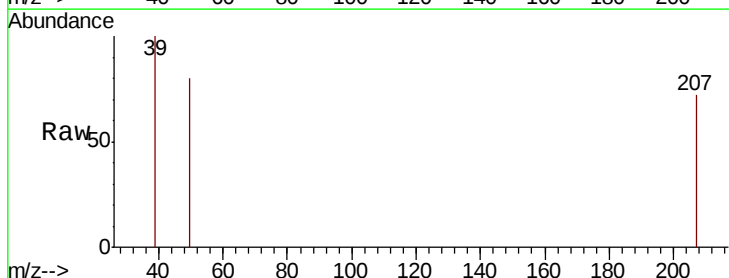
Instrument :
MSVOA_Y
ClientSampleId :

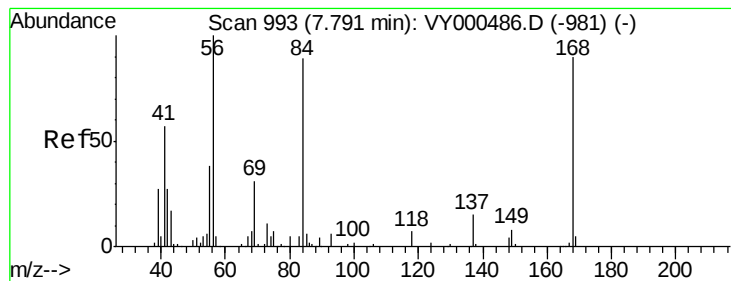
Tot Ion: 84 Resp: 14841
Ion Ratio Lower Upper
84 100
49 126.9 100.2 150.4
51 44.5 29.6 44.4#
86 60.9 48.3 72.5



#28
Bromochloromethane
Concen: 4.113 ug/l
RT: 7.45 min Scan# 937
Delta R.T. 0.10 min
Lab File: VY000591.D
Acq: 07 Nov 2019 19:09

Tgt Ion: 49 Resp: 44
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#





#31

Cyclohexane

Concen: 1.252 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

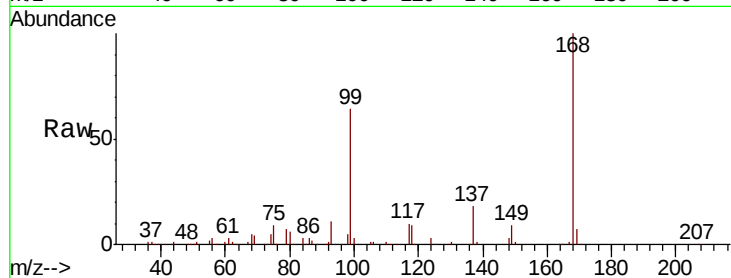
Lab File: VY000591.D

Acq: 07 Nov 2019 19:09

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 5621

Ion	Ratio	Lower	Upper
56	100		
69	142.5	25.0	37.6#
84	121.8	71.4	107.2#

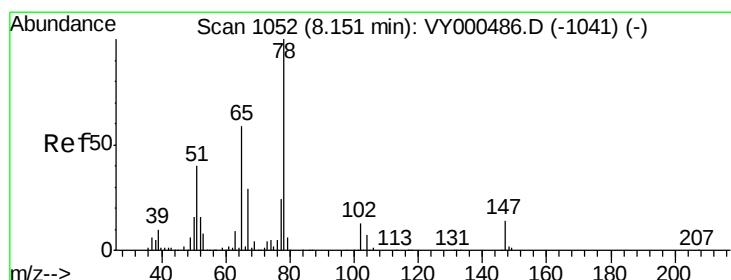
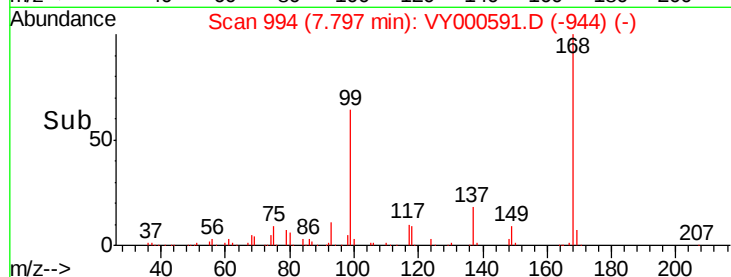
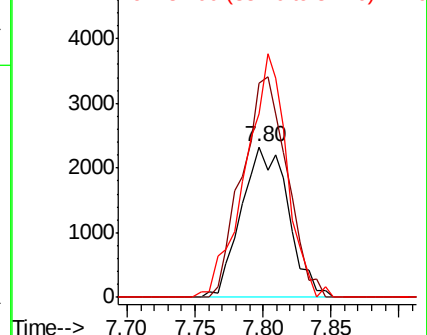


Abundance

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: 60.723 ug/l

RT: 8.16 min Scan# 1053

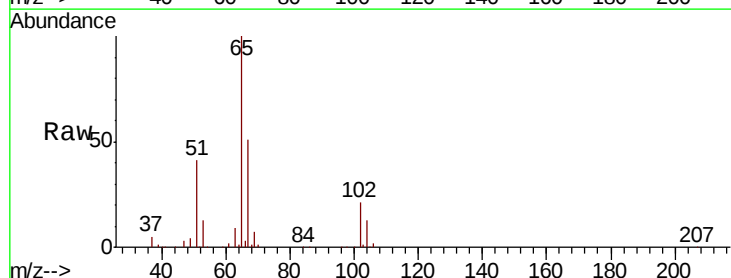
Delta R.T. 0.01 min

Lab File: VY000591.D

Acq: 07 Nov 2019 19:09

Tgt Ion: 65 Resp: 140803

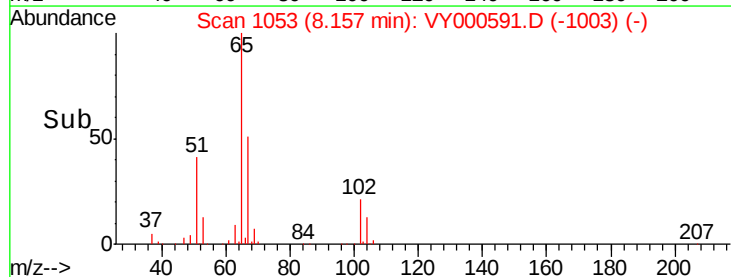
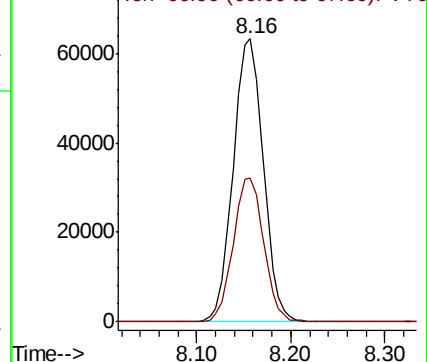
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	107.2

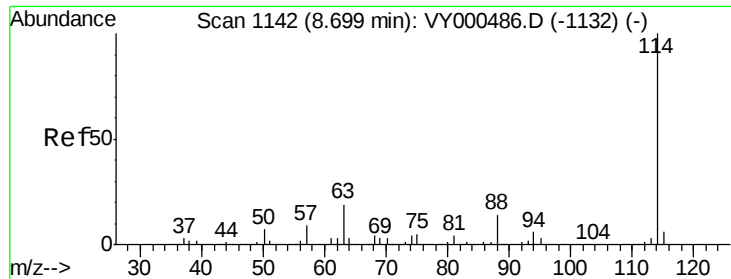


Abundance

Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

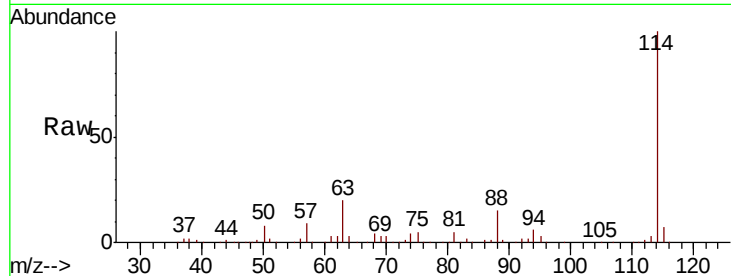




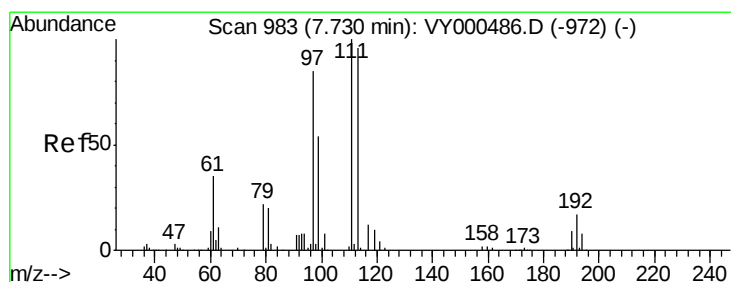
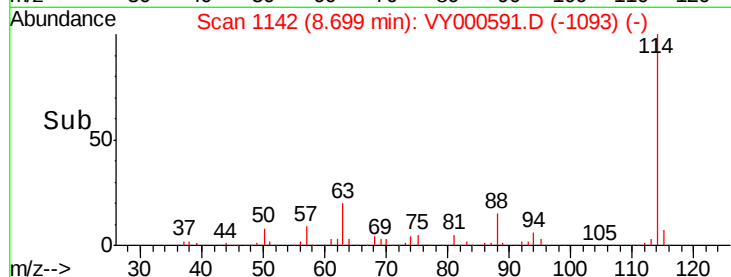
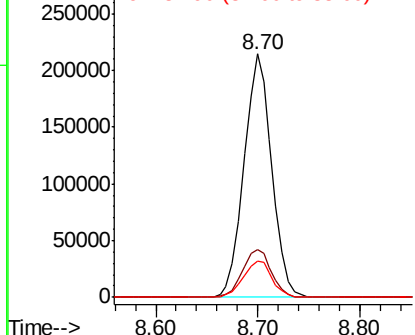
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000591.D
 Acq: 07 Nov 2019 19:09

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion:114 Resp: 403068
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.0
 88 15.1 0.0 28.6

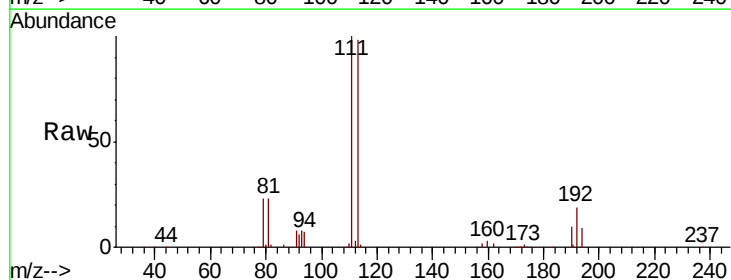


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

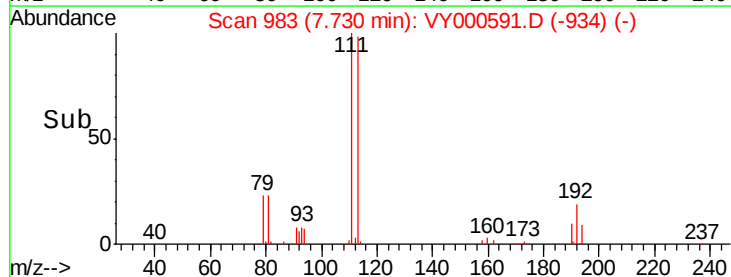
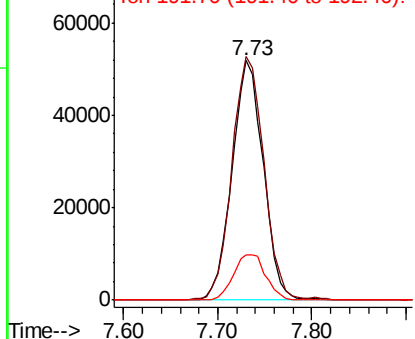


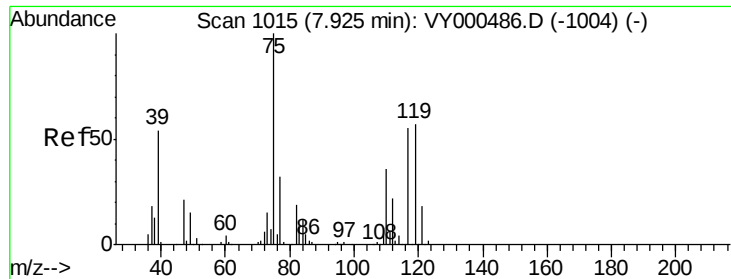
#35
 Dibromofluoromethane
 Concen: 50.729 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000591.D
 Acq: 07 Nov 2019 19:09

Tgt Ion:113 Resp: 120039
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.7 122.5
 192 19.6 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

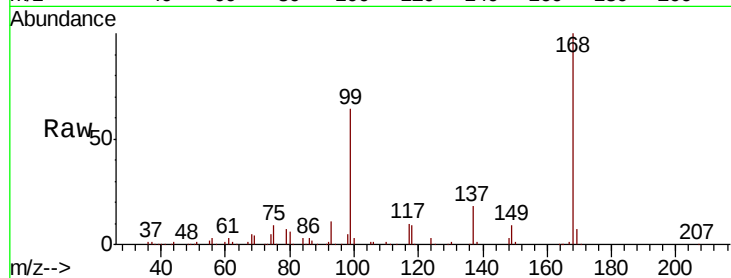




#36
 1,1-Dichloropropene
 Concen: 4.854 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000591.D
 Acq: 07 Nov 2019 19:09

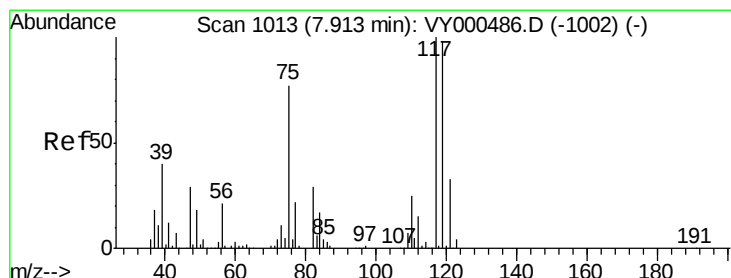
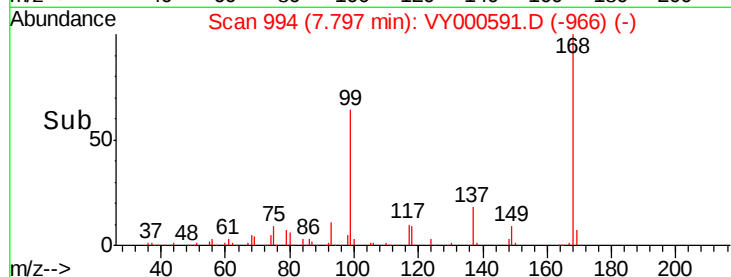
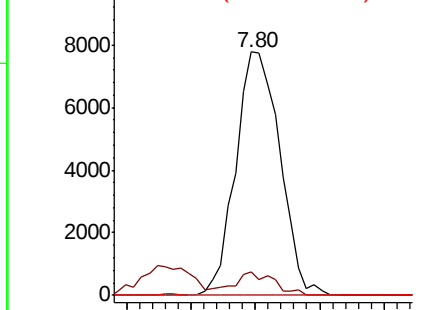
Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.1#
77	0.0	25.0	37.6#



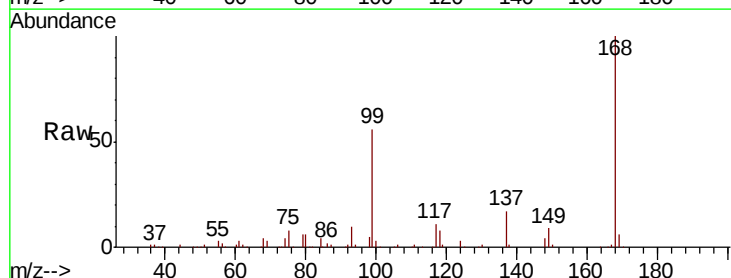
Abundance

Ion 74.90 (74.60 to 75.60): VY000591.D (-966) (-)



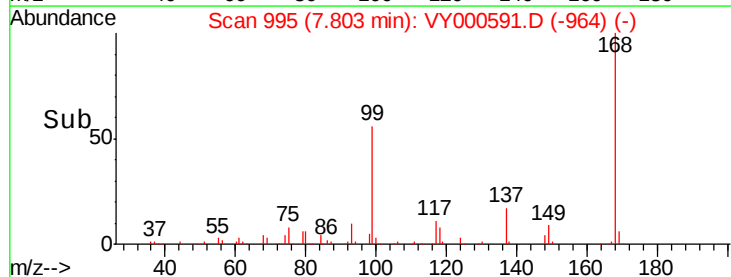
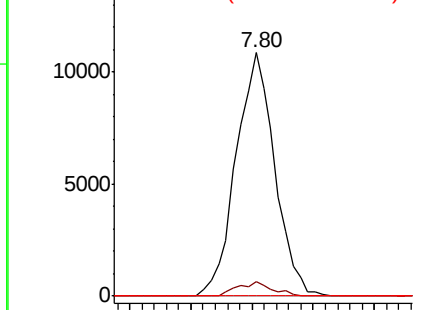
#38
 Carbon Tetrachloride
 Concen: 6.472 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000591.D
 Acq: 07 Nov 2019 19:09

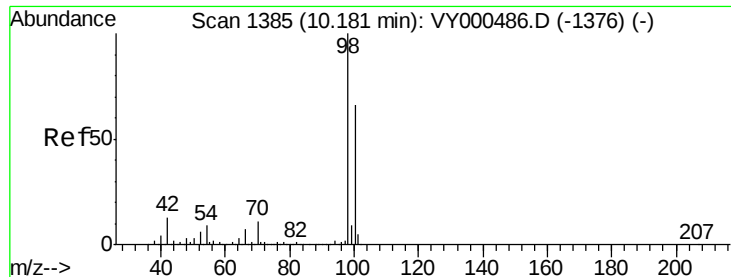
Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	78.0	117.0#
121	0.0	26.6	40.0#



Abundance

Ion 116.80 (116.50 to 117.50): VY000591.D (-964) (-)





#50

Toluene-d8

Concen: 52.947 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VY000591.D

Acq: 07 Nov 2019 19:09

Instrument :

MSVOA_Y

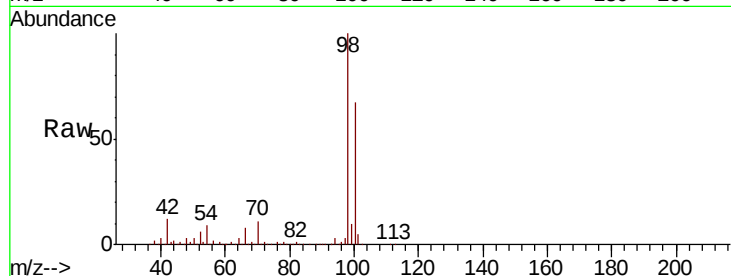
ClientSampleId :

Tot Ion: 98 Resp: 475394

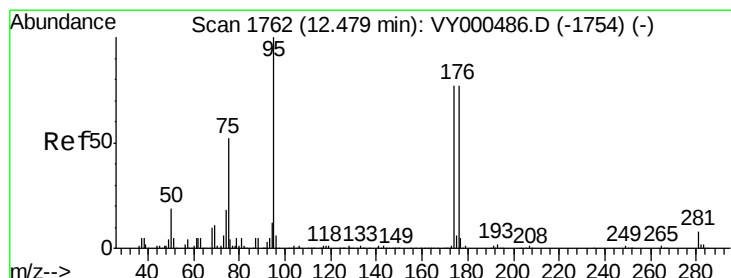
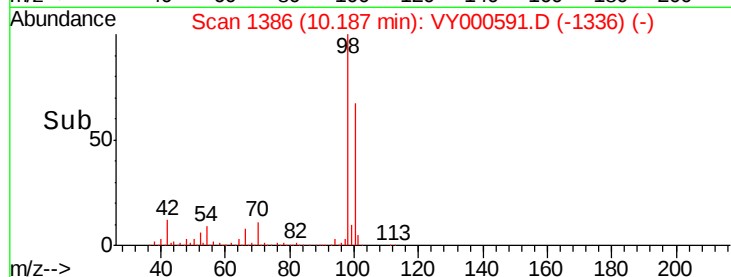
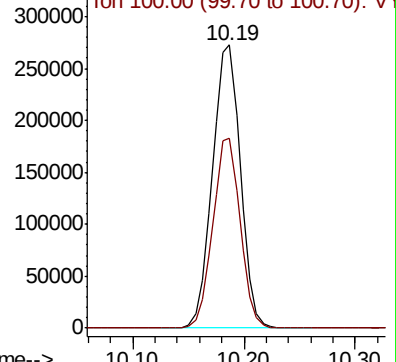
Ion Ratio Lower Upper

98 100

100 65.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY000486.D (-1376) (-)



#62

4-Bromofluorobenzene

Concen: 47.615 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000591.D

Acq: 07 Nov 2019 19:09

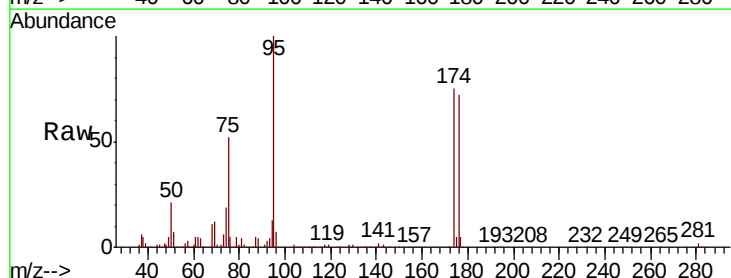
Tgt Ion: 95 Resp: 162757

Ion Ratio Lower Upper

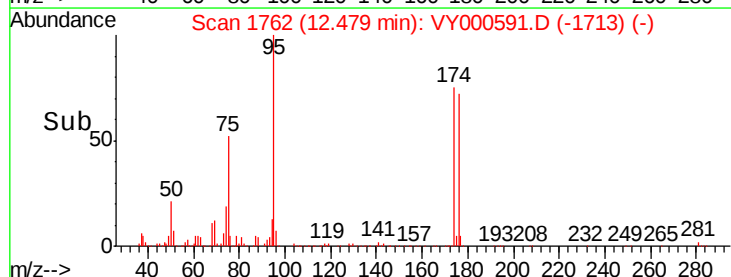
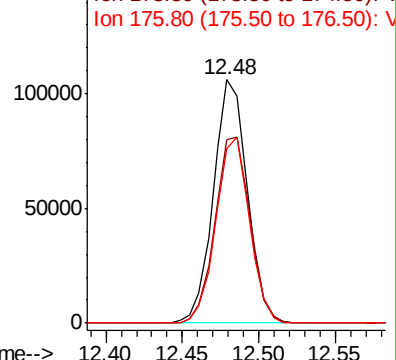
95 100

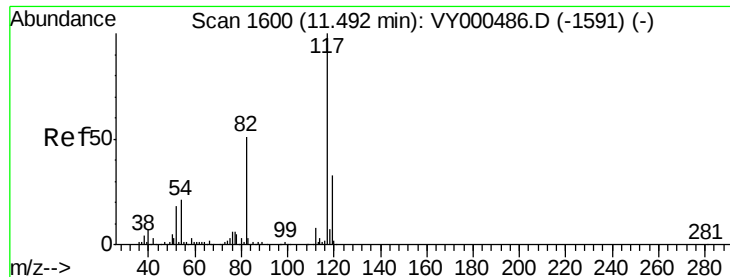
174 79.3 0.0 161.6

176 76.0 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VY000486.D (-1754) (-)

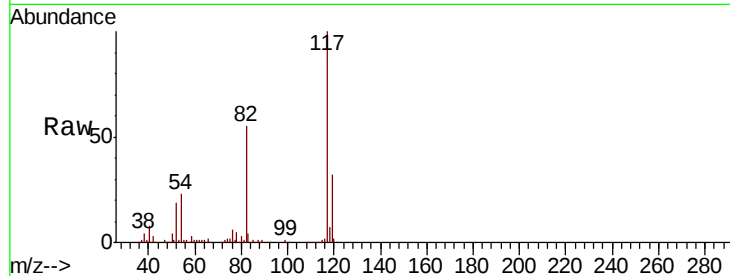




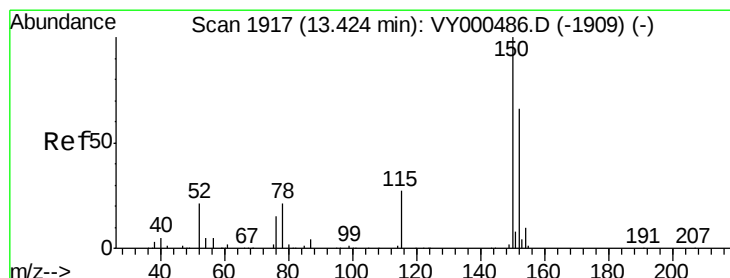
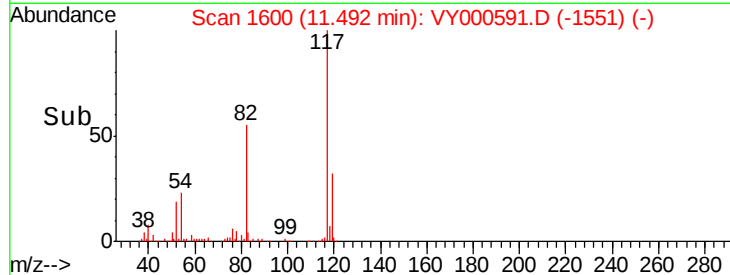
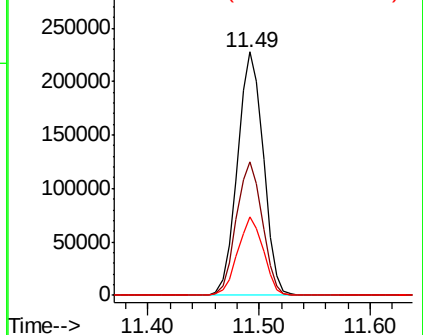
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000591.D
Acq: 07 Nov 2019 19:09

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 365484
Ion Ratio Lower Upper
117 100
82 54.7 40.8 61.2
119 32.1 26.2 39.2

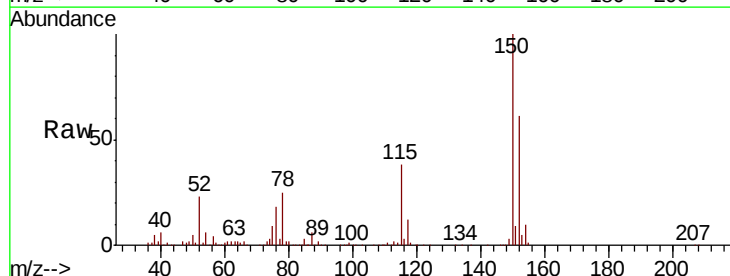


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

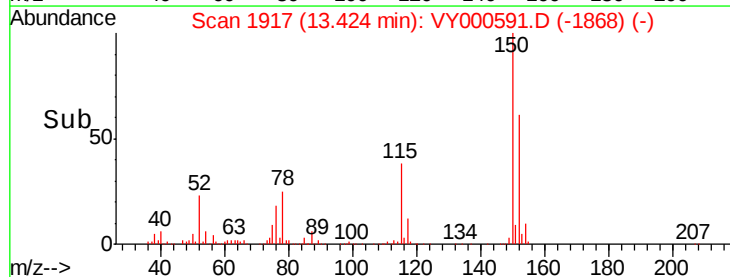
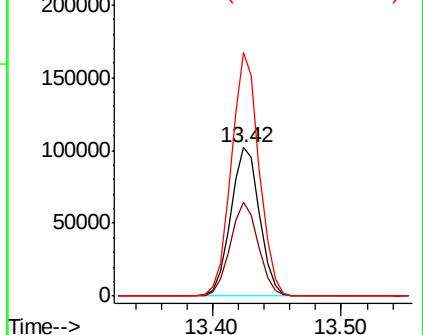


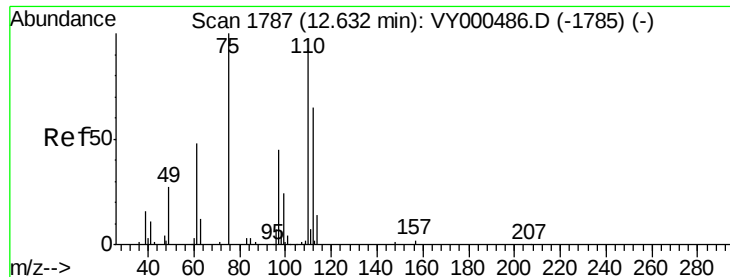
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000591.D
Acq: 07 Nov 2019 19:09

Tgt Ion:152 Resp: 158924
Ion Ratio Lower Upper
152 100
115 61.3 29.1 87.4
150 157.6 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: 48.867 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000591.D

Acq: 07 Nov 2019 19:09

Instrument :

MSVOA_Y

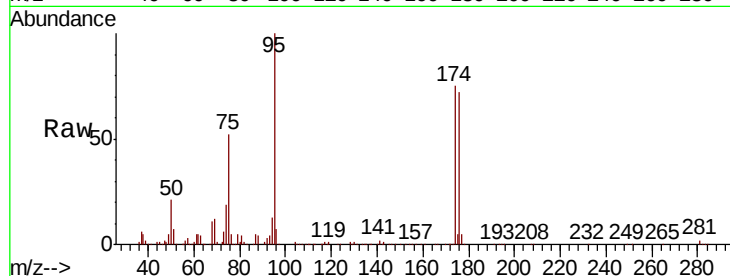
ClientSampleId :

Tot Ion: 75 Resp: 88428

Ion Ratio Lower Upper

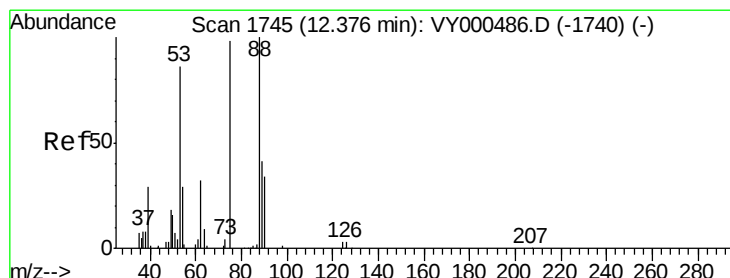
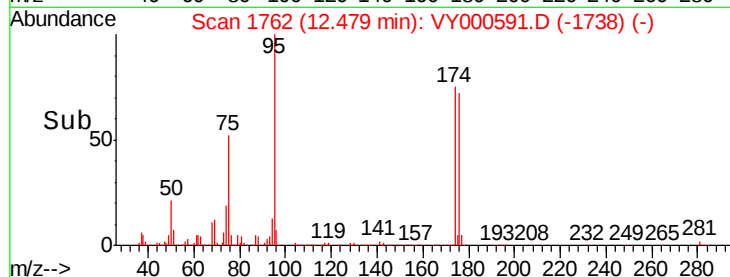
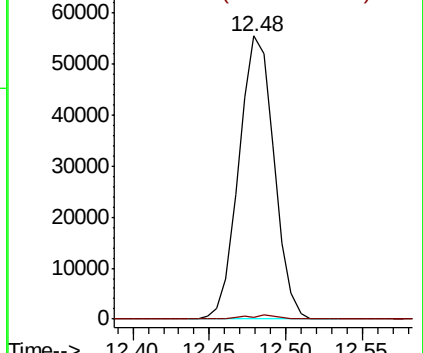
75 100

77 1.4 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: 109.566 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000591.D

Acq: 07 Nov 2019 19:09

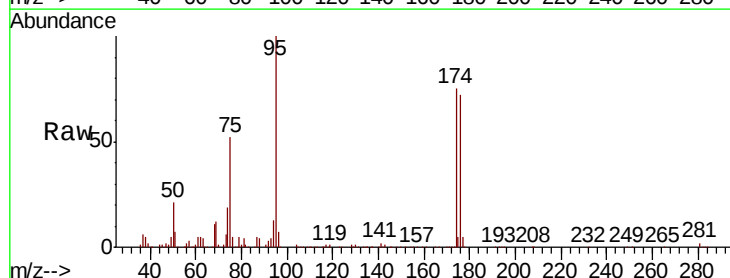
Tgt Ion: 75 Resp: 88428

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.1 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

