

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112619\
 Data File : VY000797.D
 Acq On : 26 Nov 2019 12:44
 Operator : SY/MD
 Sample : K6022-01
 Misc : 8.43G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 27 04:30:45 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	267905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	505902	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	430257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	189163	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	163549	58.99	ug/l	0.00
Spiked Amount			Recovery	=	117.98%	
35) Dibromofluoromethane	7.72	113	147898	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
50) Toluene-d8	10.18	98	576212	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.48	95	191221	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	

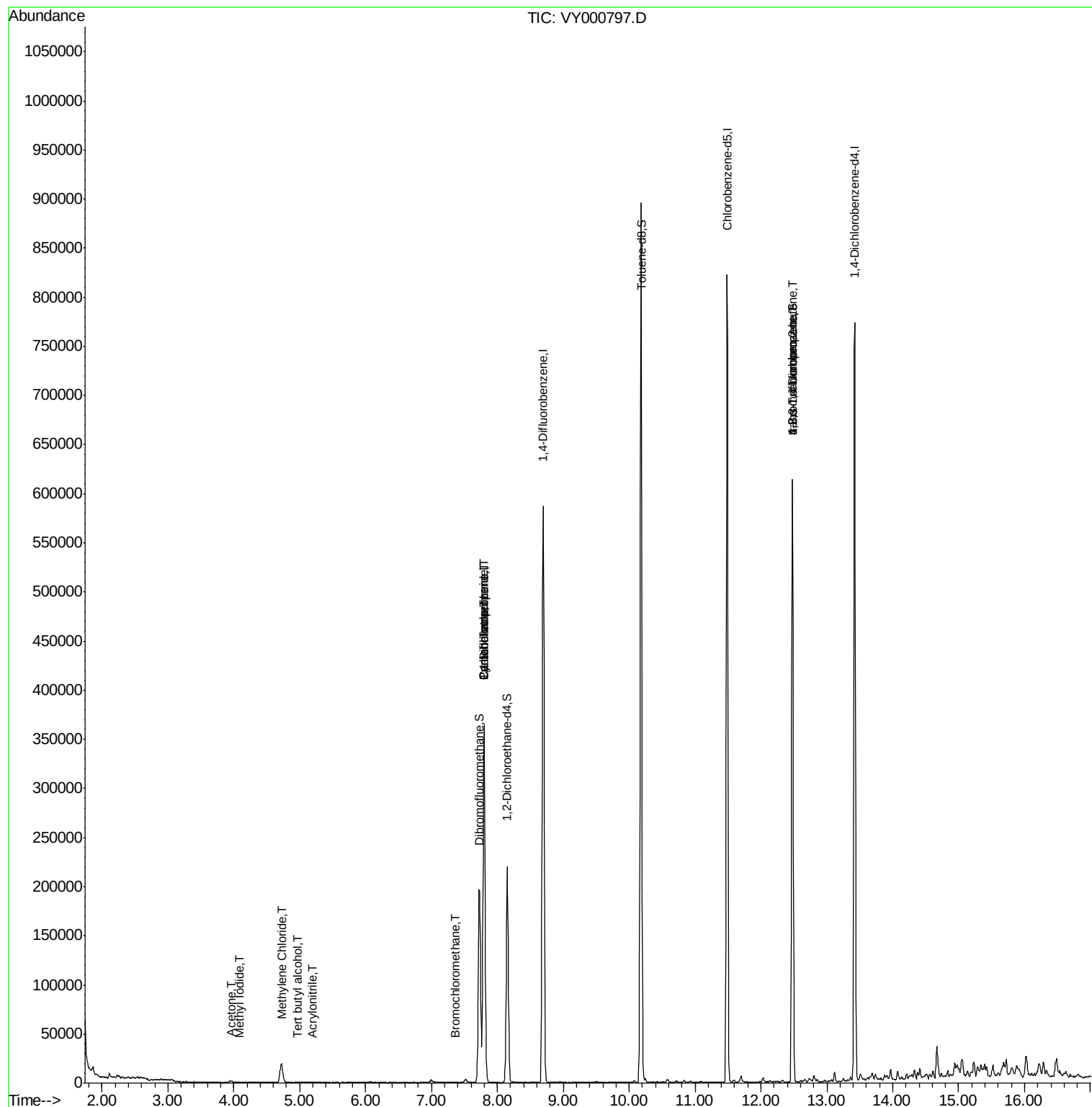
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.08	142	166	3.242	ug/l #	41
11) Tert butyl alcohol	4.97	59	296	1.097	ug/l #	72
15) Acrylonitrile	5.19	53	832	1.003	ug/l #	24
16) Acetone	3.96	43	3019	3.951	ug/l	91
20) Methylene Chloride	4.72	84	14566	4.449	ug/l #	81
28) Bromochloromethane	7.36	49	24	4.102	ug/l #	14
31) Cyclohexane	7.80	56	6068	1.131	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	22191	4.640	ug/l #	50
38) Carbon Tetrachloride	7.80	117	28579	6.210	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	99375	46.138	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	99375	103.447	ug/l #	13

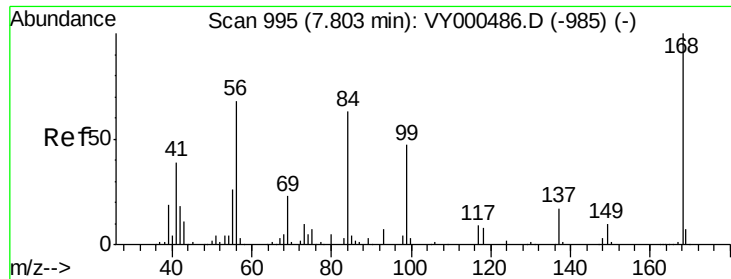
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 994

Delta R.T. -0.01 min

Lab File: VY000797.D

Acq: 26 Nov 2019 12:44

Instrument :

MSVOA_Y

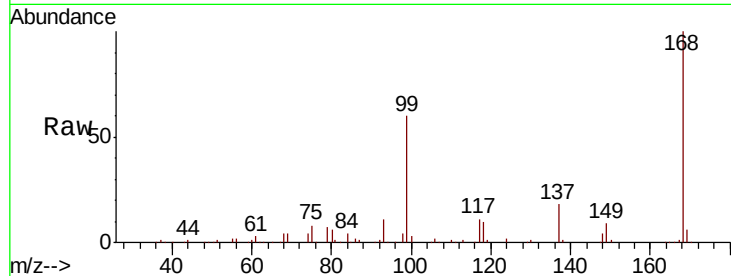
ClientSampleId :

Tot Ion:168 Resp: 267905

Ion Ratio Lower Upper

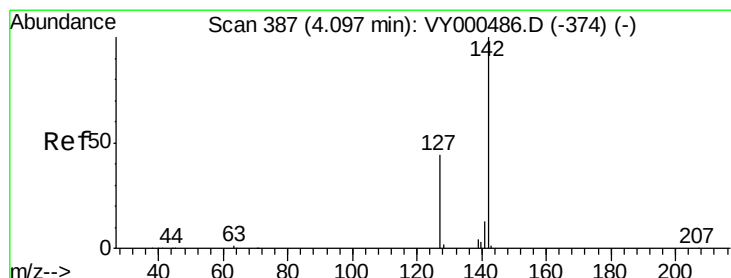
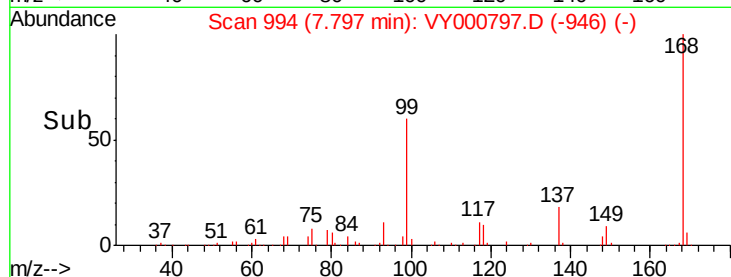
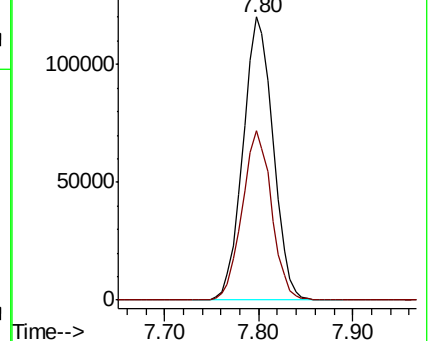
168 100

99 59.9 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 3.242 ug/l

RT: 4.08 min Scan# 385

Delta R.T. -0.01 min

Lab File: VY000797.D

Acq: 26 Nov 2019 12:44

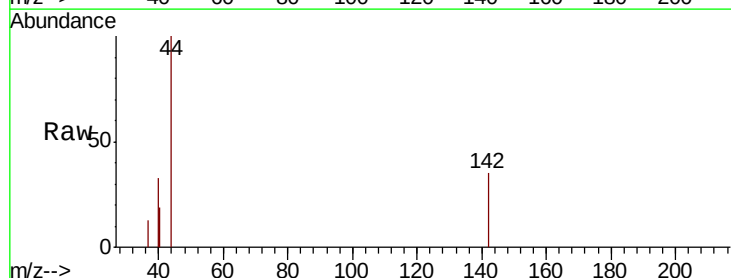
Tgt Ion:142 Resp: 166

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

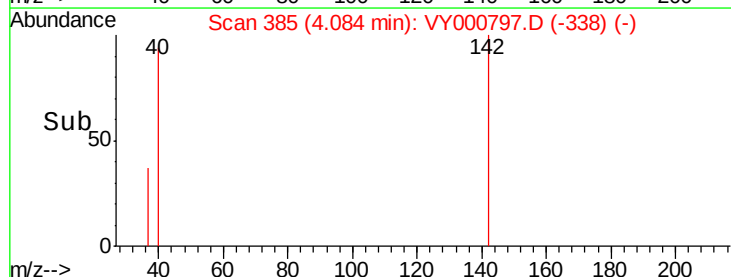
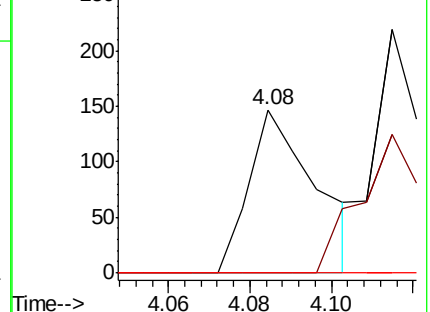
141 0.0 10.9 16.3#

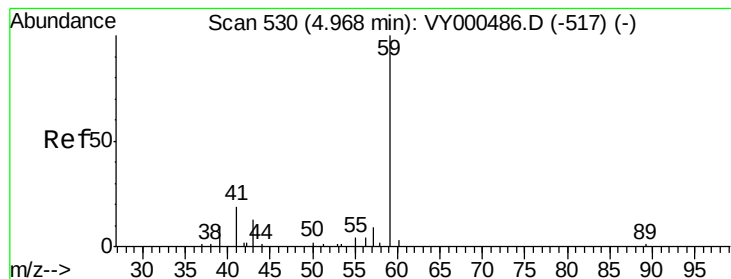


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



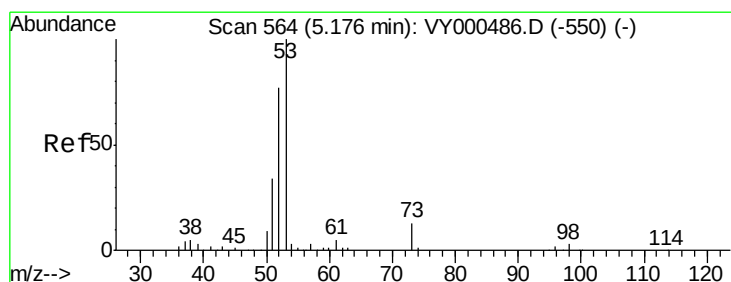
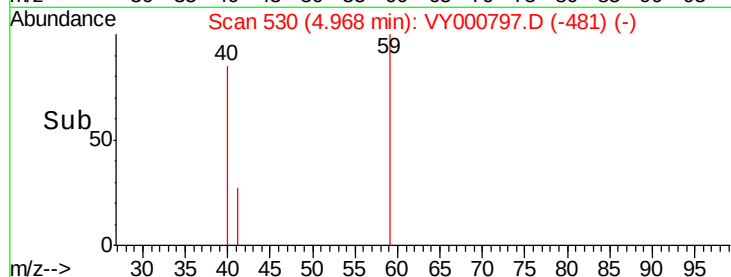
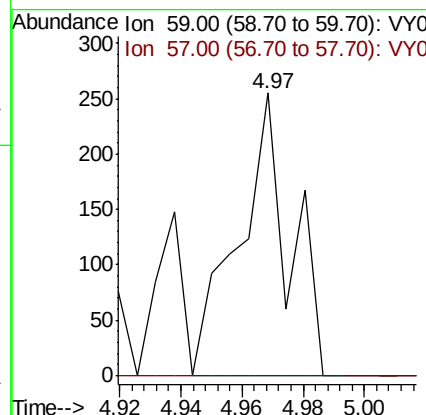
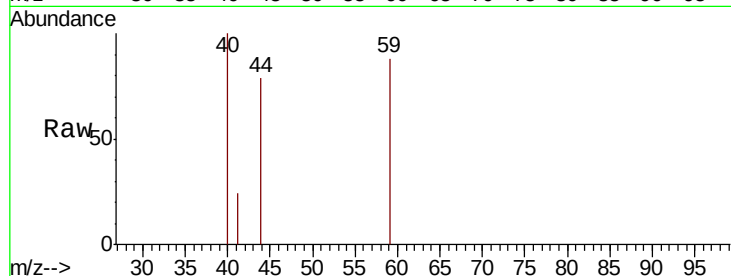


#11

Tert butyl alcohol
 Concen: 1.097 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VY000797.D
 Acq: 26 Nov 2019 12:44

Instrument :
 MSVOA_Y
 ClientSampled :

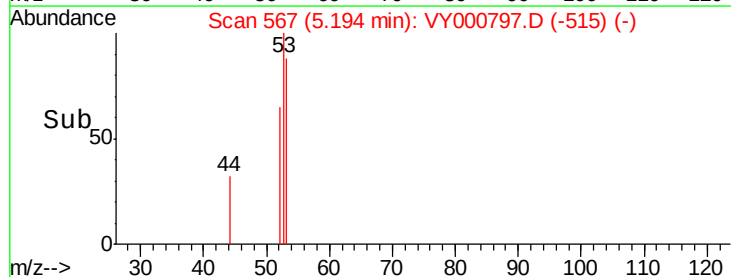
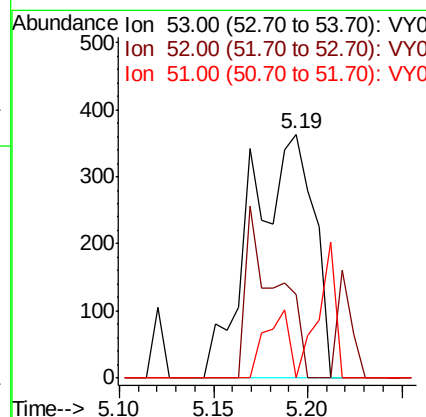
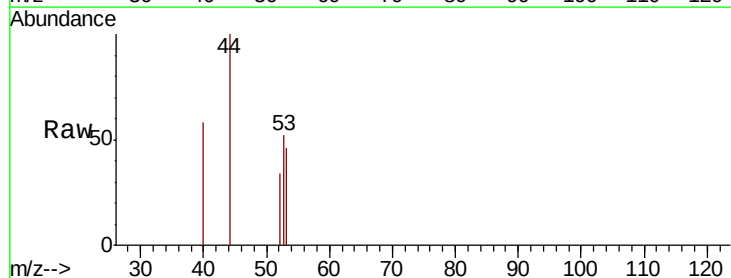
Tot Ion: 59 Resp: 296
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

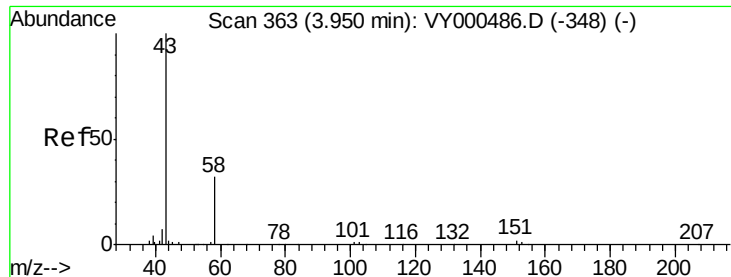


#15

Acrylonitrile
 Concen: 1.003 ug/l
 RT: 5.19 min Scan# 567
 Delta R.T. 0.02 min
 Lab File: VY000797.D
 Acq: 26 Nov 2019 12:44

Tgt Ion: 53 Resp: 832
 Ion Ratio Lower Upper
 53 100
 52 0.0 64.9 97.3#
 51 10.7 27.6 41.4#





#16

Acetone

Concen: 3.951 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000797.D

Acq: 26 Nov 2019 12:44

Instrument :

MSVOA_Y

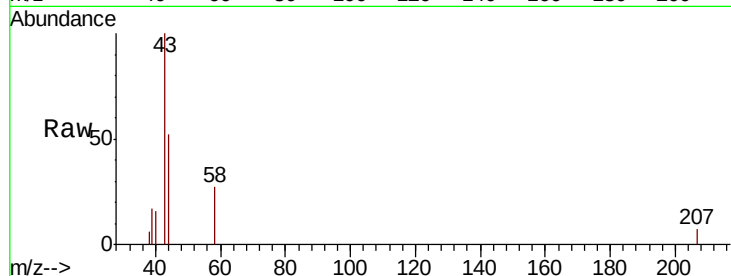
ClientSampleId :

Tot Ion: 43 Resp: 3019

Ion Ratio Lower Upper

43 100

58 27.0 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

1200

1000

800

600

400

200

0

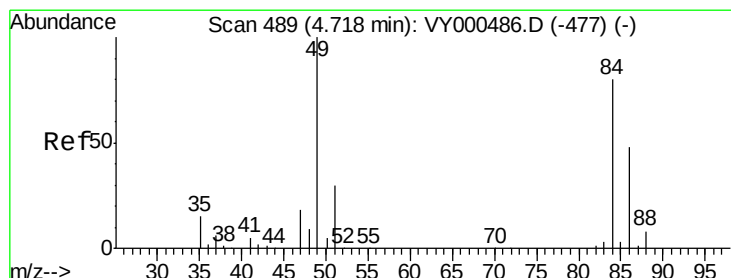
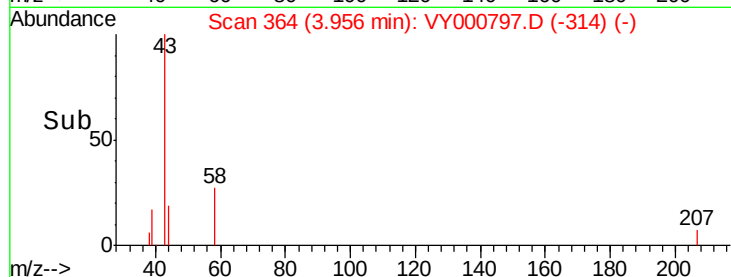
3.96

3.90

4.00

4.10

Time-->



#20

Methylene Chloride

Concen: 4.449 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000797.D

Acq: 26 Nov 2019 12:44

Tgt Ion: 84 Resp: 14566

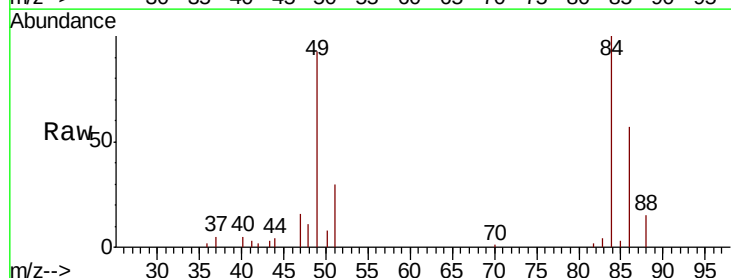
Ion Ratio Lower Upper

84 100

49 93.2 100.2 150.4#

51 29.9 29.6 44.4

86 56.8 48.3 72.5



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

8000

6000

4000

2000

0

4.72

4.60

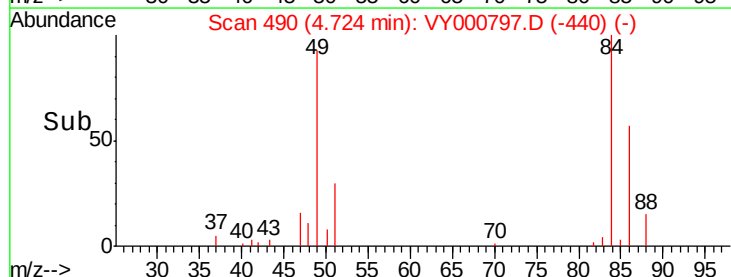
4.65

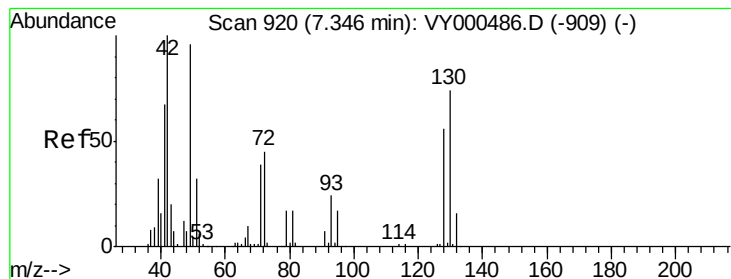
4.70

4.75

4.80

Time-->





#28

Bromochloromethane

Concen: 4.102 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY000797.D

Acq: 26 Nov 2019 12:44

Instrument :

MSVOA_Y

ClientSampleId :

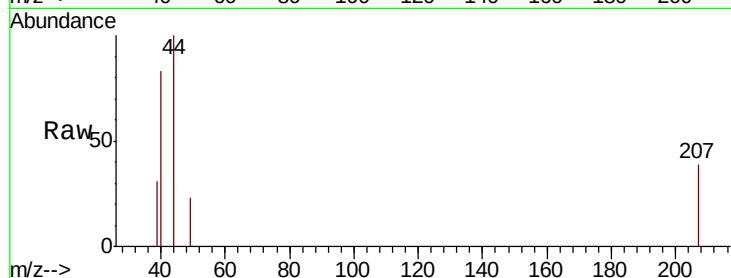
Tot Ion: 49 Resp: 24

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

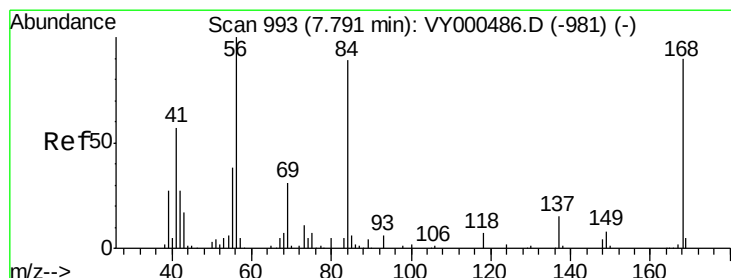
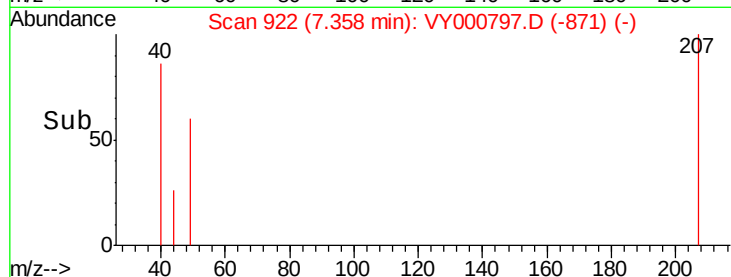
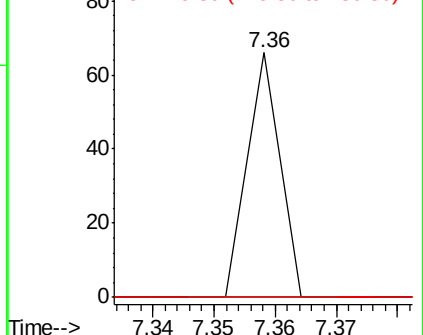
130 0.0 59.4 89.0#



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: 1.131 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000797.D

Acq: 26 Nov 2019 12:44

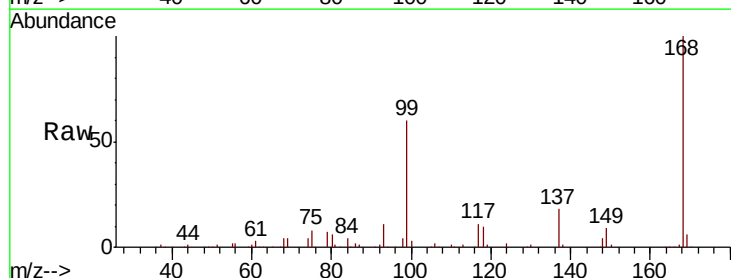
Tgt Ion: 56 Resp: 6068

Ion Ratio Lower Upper

56 100

69 158.3 25.0 37.6#

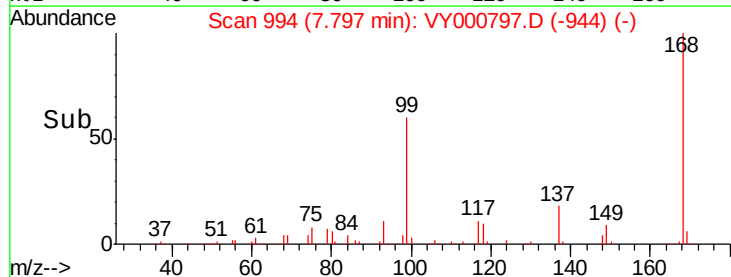
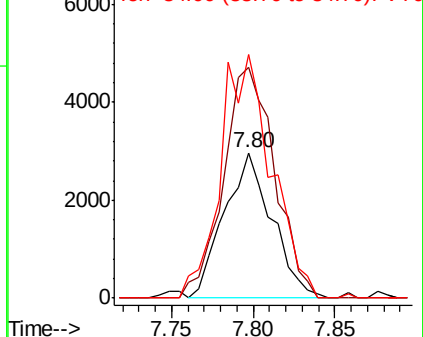
84 167.4 71.4 107.2#

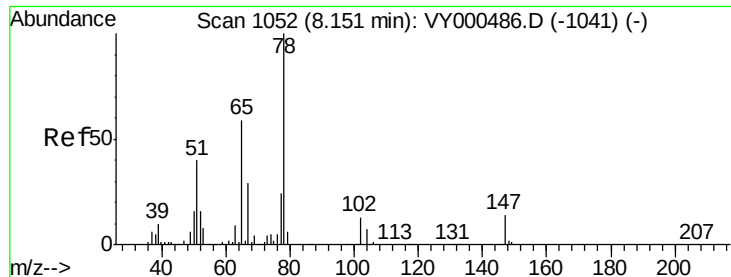


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

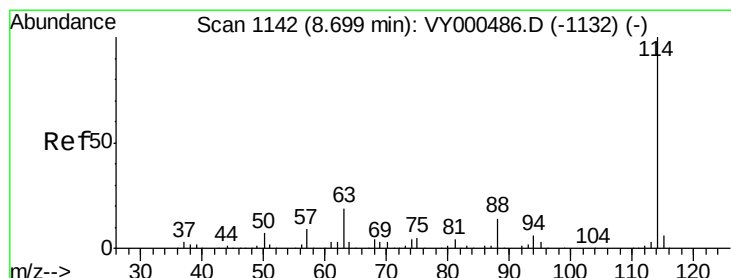
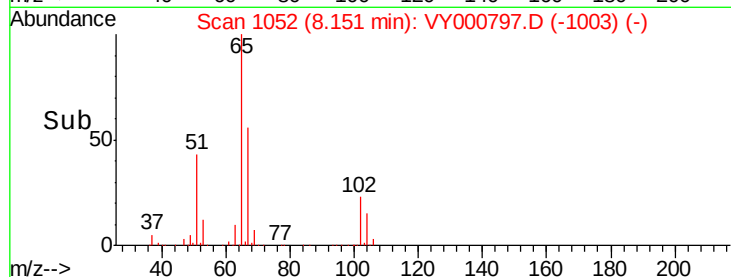
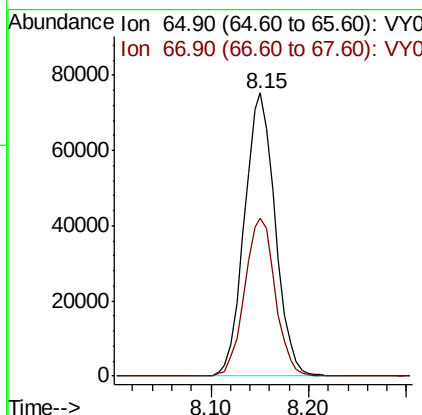
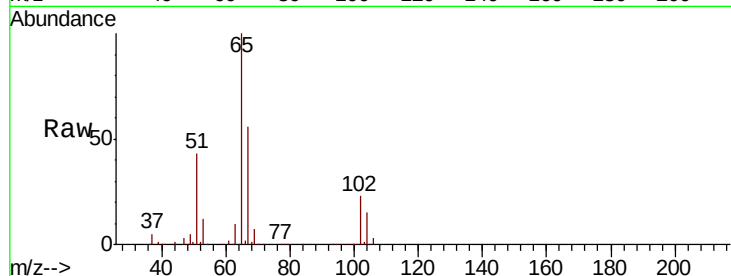




#33
 1,2-Dichloroethane-d4
 Concen: 58.990 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000797.D
 Acq: 26 Nov 2019 12:44

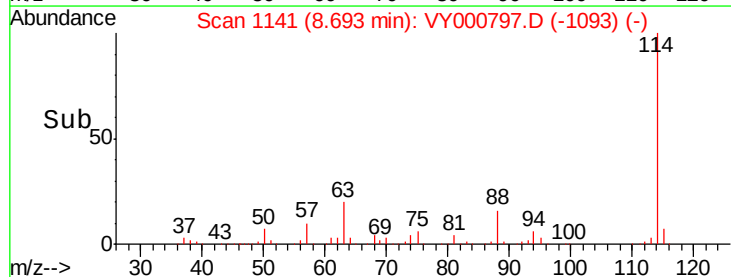
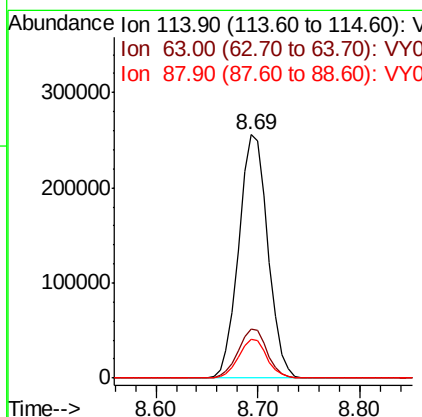
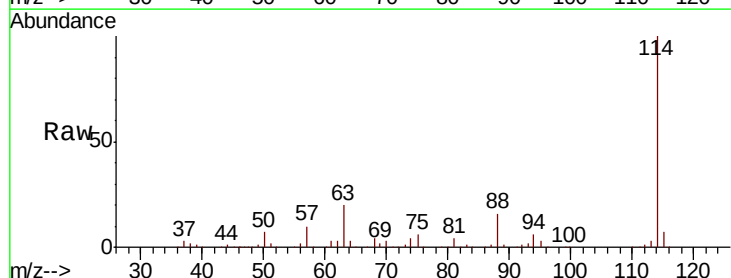
Instrument :
 MSVOA_Y
 ClientSampleId :

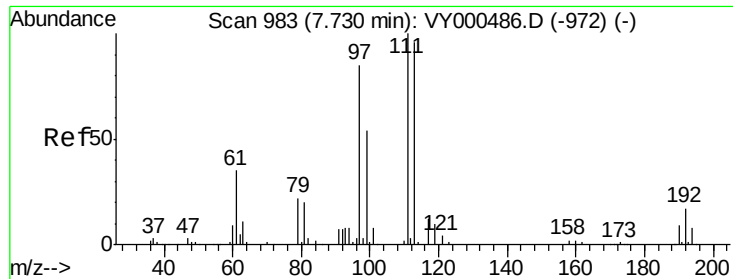
Tot Ion: 65 Resp: 163549
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000797.D
 Acq: 26 Nov 2019 12:44

Tgt Ion: 114 Resp: 505902
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 38.0
 88 16.2 0.0 28.6





#35

Dibromofluoromethane

Concen: 49.798 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000797.D

Acq: 26 Nov 2019 12:44

Instrument :
MSVOA_Y
ClientSampleId :

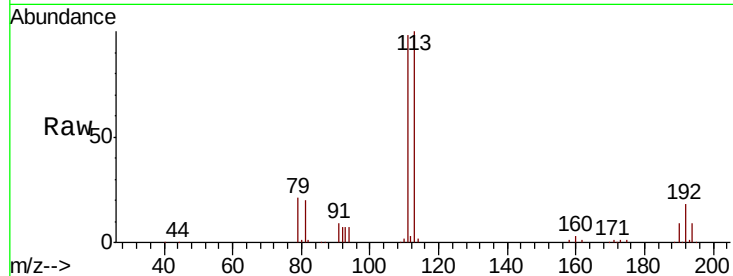
Tot Ion:113 Resp: 147898

Ion Ratio Lower Upper

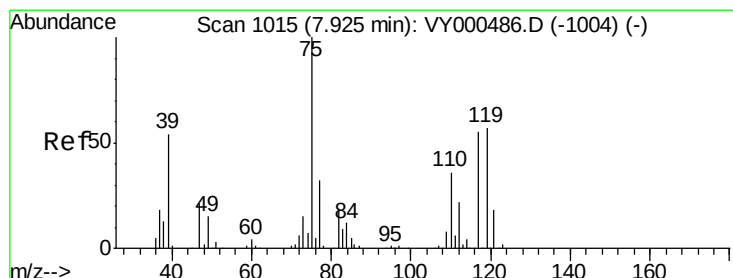
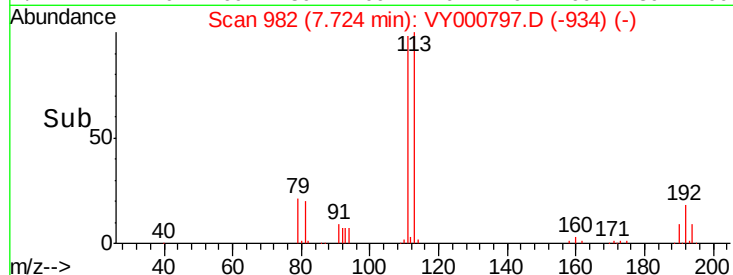
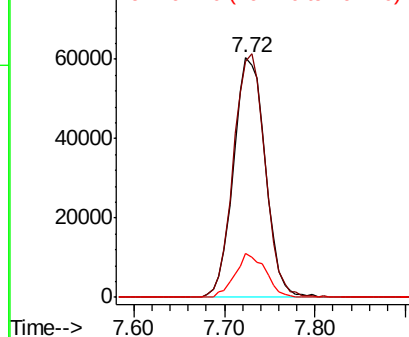
113 100

111 101.3 81.7 122.5

192 17.6 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: 4.640 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY000797.D

Acq: 26 Nov 2019 12:44

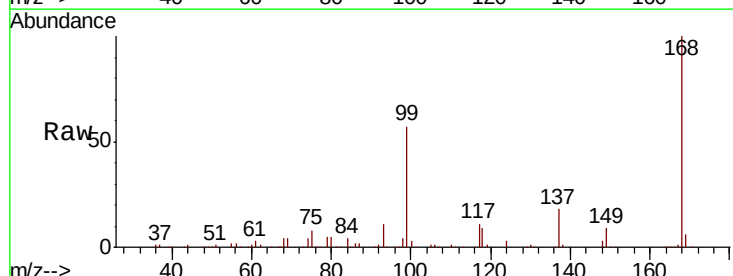
Tgt Ion: 75 Resp: 22191

Ion Ratio Lower Upper

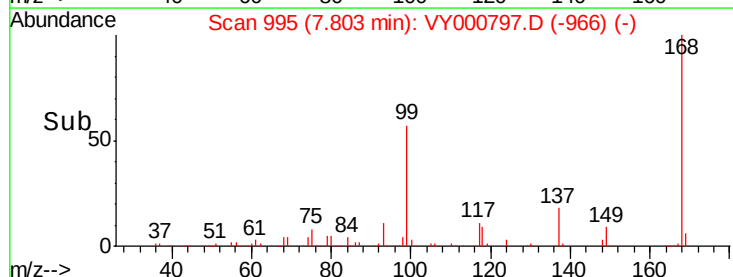
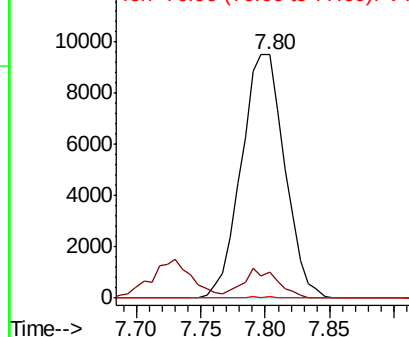
75 100

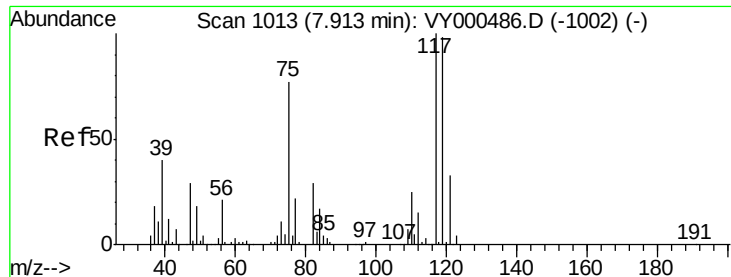
110 9.6 18.1 54.1#

77 0.2 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

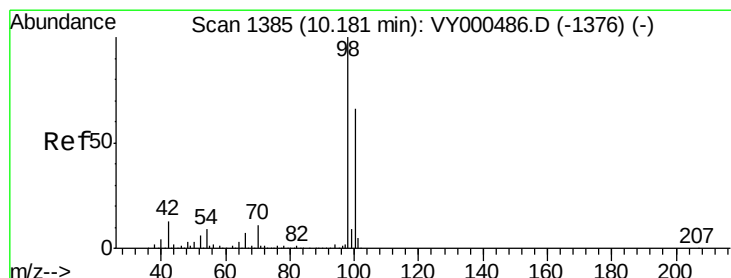
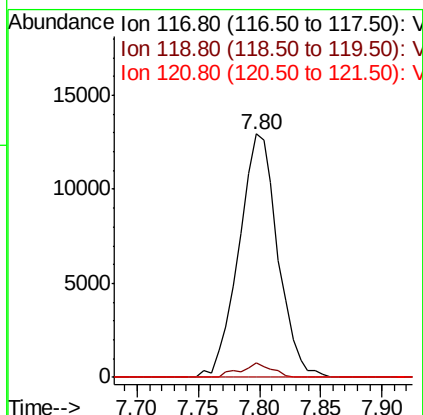
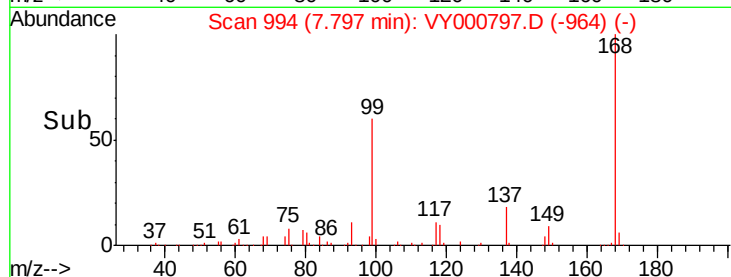
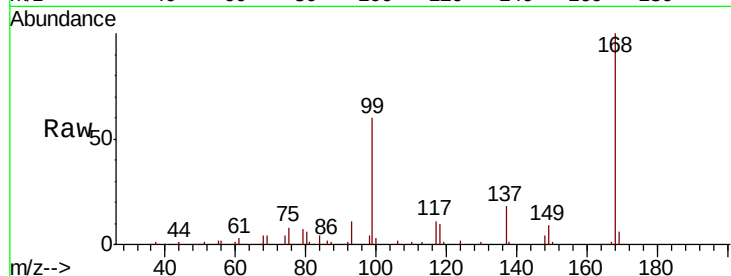




#38
Carbon Tetrachloride
Concen: 6.210 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000797.D
Acq: 26 Nov 2019 12:44

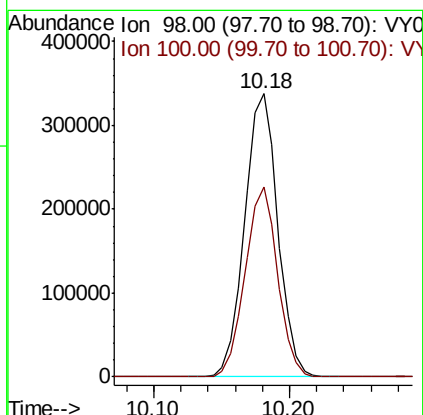
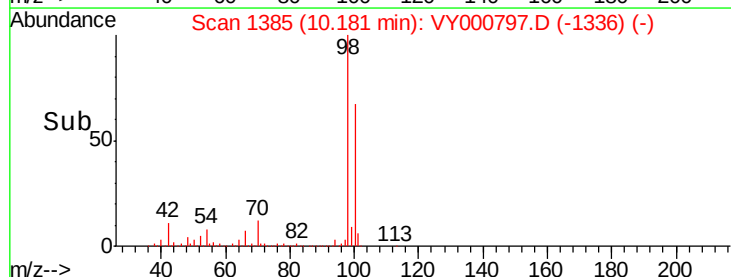
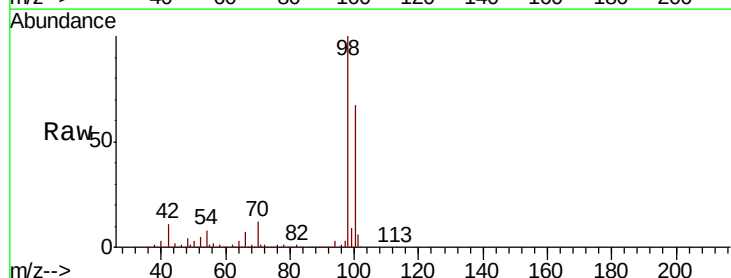
Instrument :
MSVOA_Y
ClientSampleId :

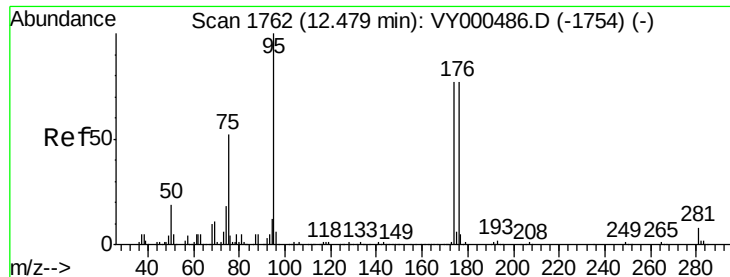
Tot Ion:117 Resp: 28579
Ion Ratio Lower Upper
117 100
119 5.8 78.0 117.0#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 51.130 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000797.D
Acq: 26 Nov 2019 12:44

Tgt Ion: 98 Resp: 576212
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3

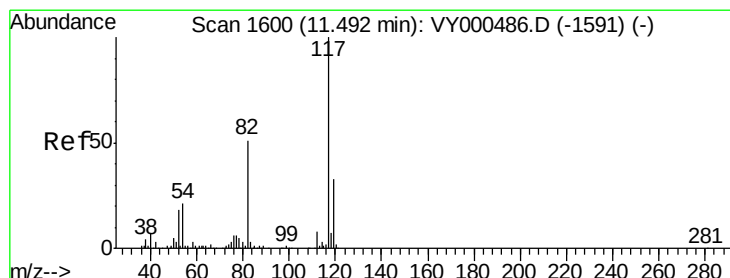
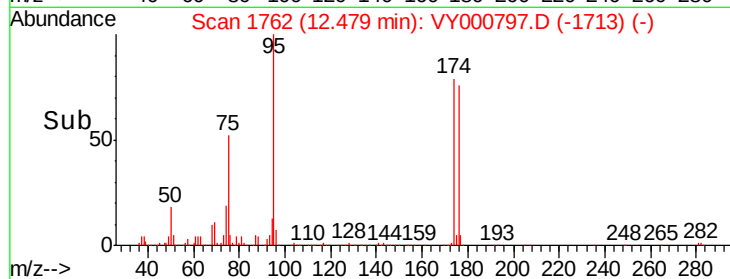
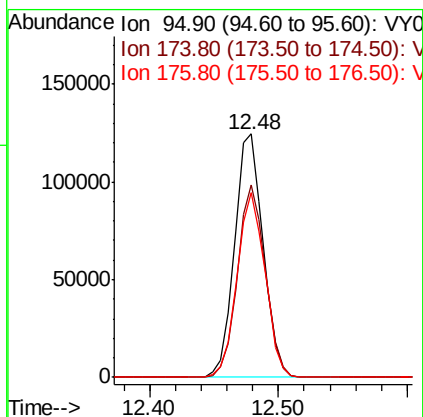
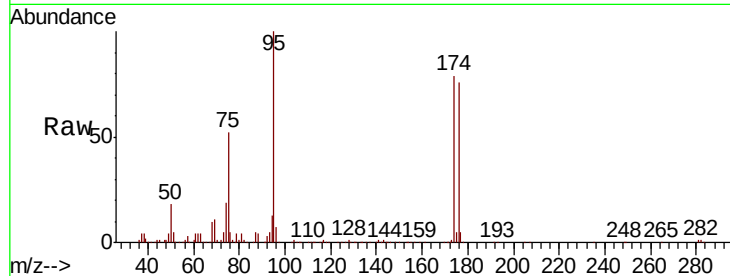




#62
4-Bromofluorobenzene
Concen: 44.571 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000797.D
Acq: 26 Nov 2019 12:44

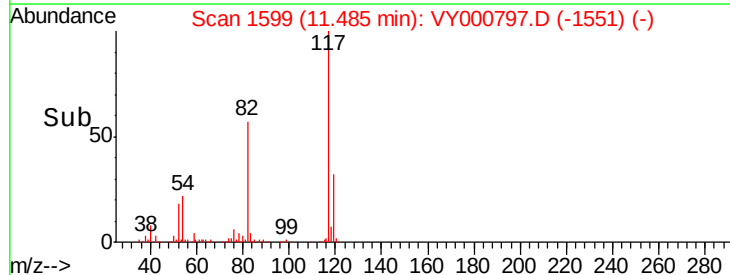
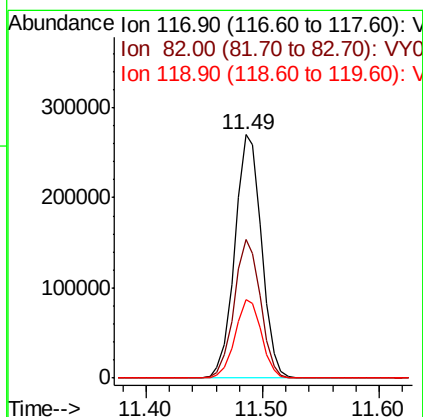
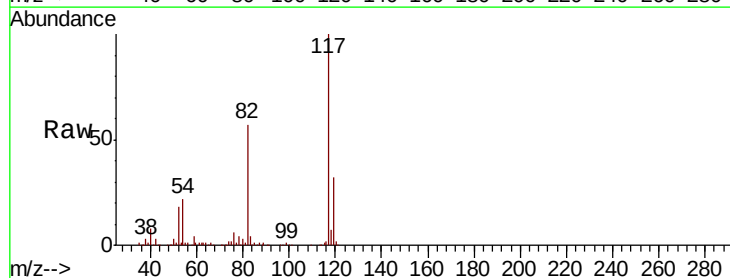
Instrument :
MSVOA_Y
ClientSampleId :

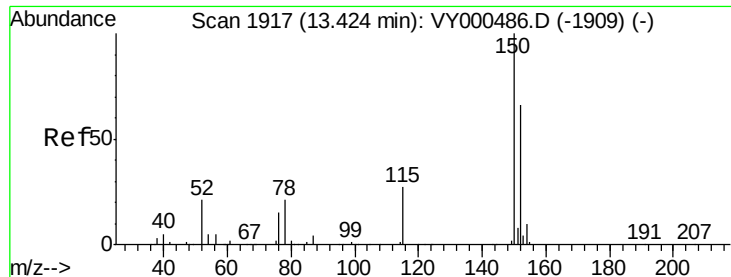
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	161.6
176	74.3	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000797.D
Acq: 26 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.2	40.8	61.2
119	32.5	26.2	39.2



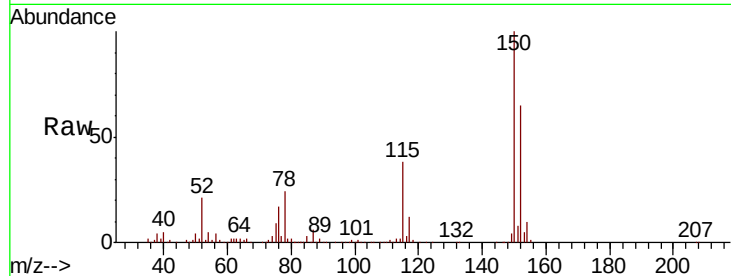


#72

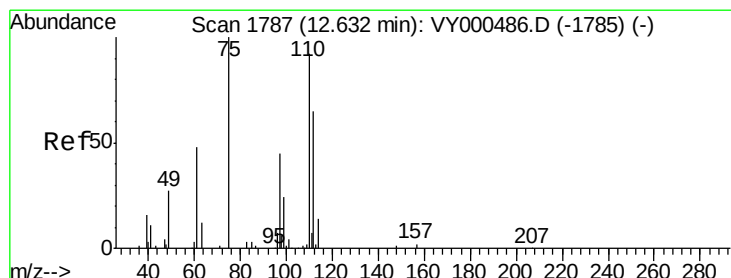
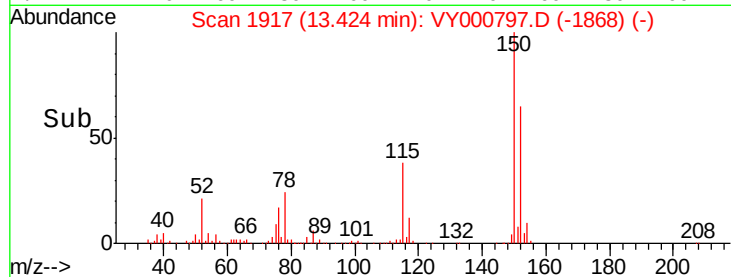
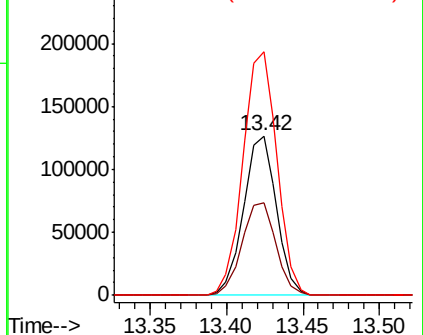
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000797.D
Acq: 26 Nov 2019 12:44

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:152 Resp: 189163
Ion Ratio Lower Upper
152 100
115 60.4 29.1 87.4
150 157.5 0.0 348.8



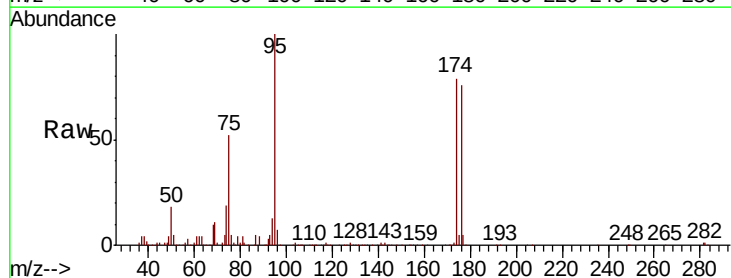
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



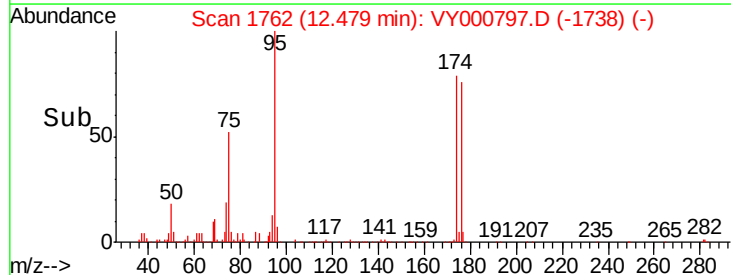
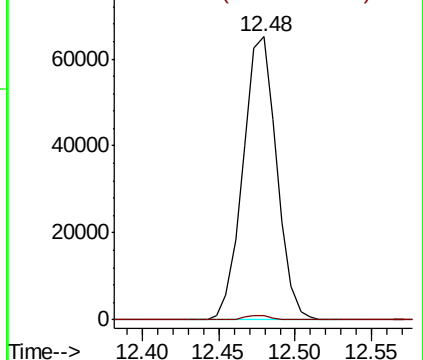
#76

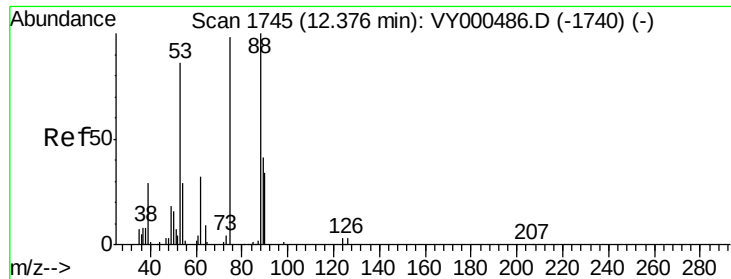
1,2,3-Trichloropropane
Concen: 46.138 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000797.D
Acq: 26 Nov 2019 12:44

Tgt Ion: 75 Resp: 99375
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: 103.447 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000797.D

Acq: 26 Nov 2019 12:44

Instrument :

MSVOA_Y

ClientSampleId :

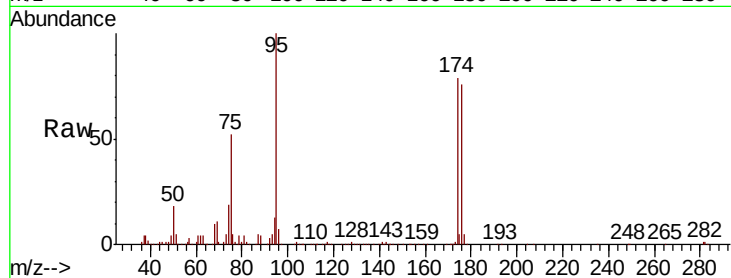
Tot Ion: 75 Resp: 99375

Ion Ratio Lower Upper

75 100

53 0.0 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

