

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110320\
 Data File : VY003501.D
 Acq On : 03 Nov 2020 18:34
 Operator : SY/MD
 Sample : L4609-01
 Misc : 6.57G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 12016

Quant Time: Nov 04 00:25:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 02 12:40:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	140322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	255759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	237162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	109495	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	102188	71.03	ug/l	0.00
Spiked Amount			Recovery	=	142.06%	
35) Dibromofluoromethane	7.73	113	85013	54.62	ug/l	0.00
Spiked Amount			Recovery	=	109.24%	
50) Toluene-d8	10.18	98	318293	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
62) 4-Bromofluorobenzene	12.48	95	98456	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	

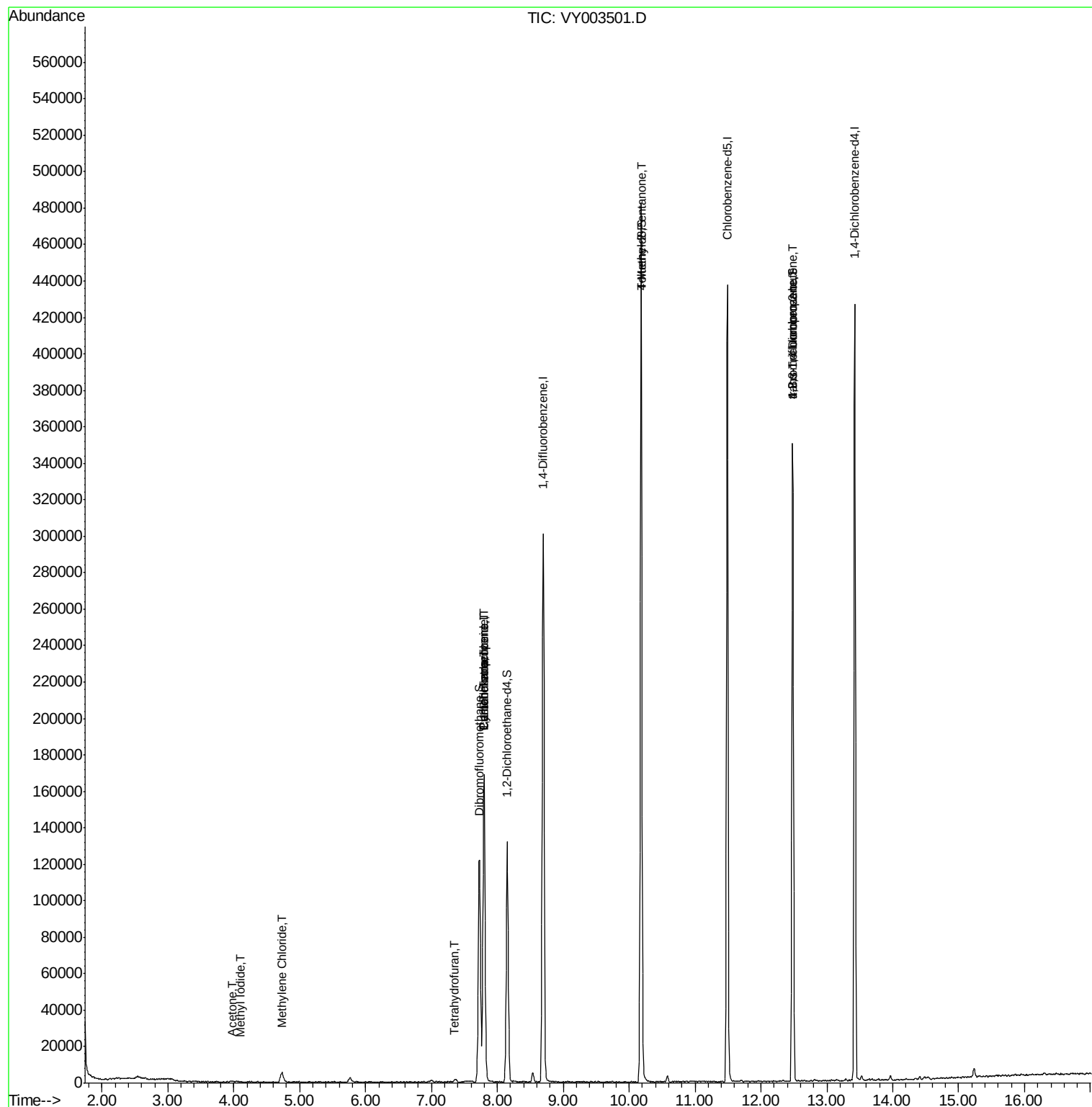
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.10	142	25	4.624	ug/l #	1
11) Tert butyl alcohol	4.97	59	70	Below Cal	#	73
16) Acetone	3.97	43	1137	2.396	ug/l #	83
20) Methylene Chloride	4.72	84	4209	3.149	ug/l	94
29) Tetrahydrofuran	7.36	42	1224	3.947	ug/l	95
31) Cyclohexane	7.79	56	2715	1.259	ug/l #	10
36) 1,1-Dichloropropene	7.80	75	9306	3.859	ug/l #	49
38) Carbon Tetrachloride	7.80	117	12422	4.966	ug/l #	17
51) 4-Methyl-2-Pentanone	10.18	43	1457	1.016	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	52506	45.321	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	52506	94.593	ug/l #	12

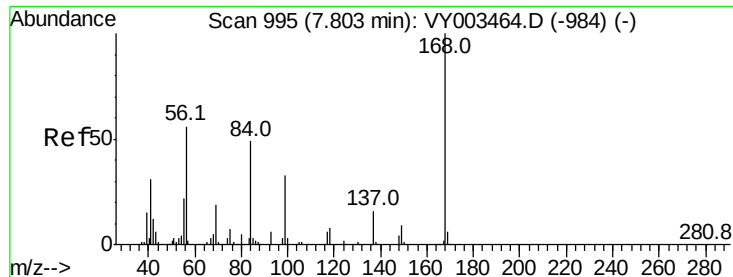
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003501.D

Acq: 03 Nov 2020 18:34

Instrument :

MSVOA_Y

ClientSampleId :

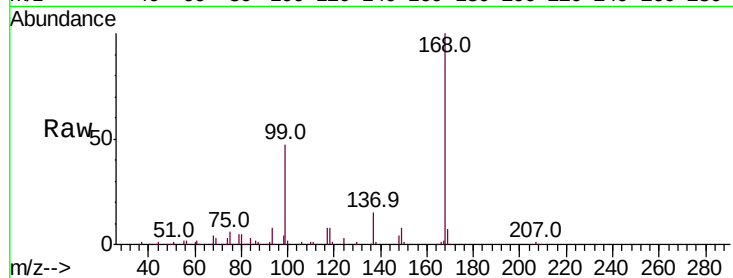
12016

Tot Ion:168 Resp: 140322

Ion Ratio Lower Upper

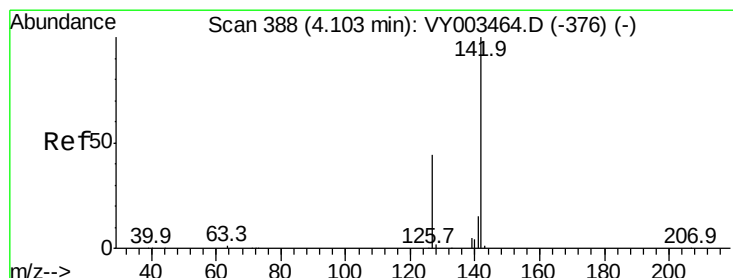
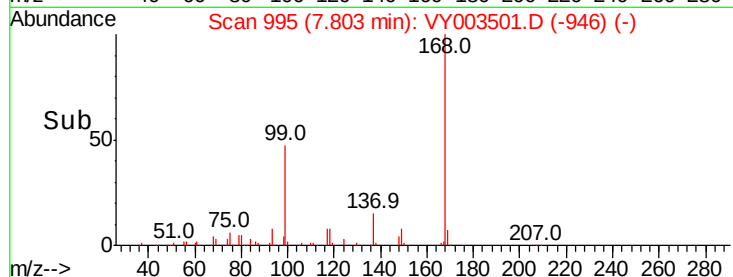
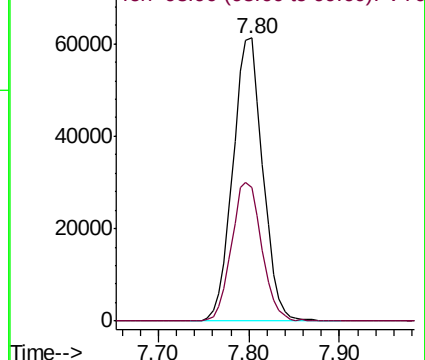
168 100

99 47.1 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 4.624 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.01 min

Lab File: VY003501.D

Acq: 03 Nov 2020 18:34

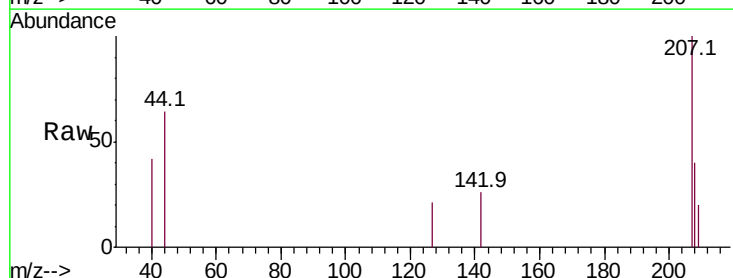
Tgt Ion:142 Resp: 25

Ion Ratio Lower Upper

142 100

127 152.0 34.5 51.7#

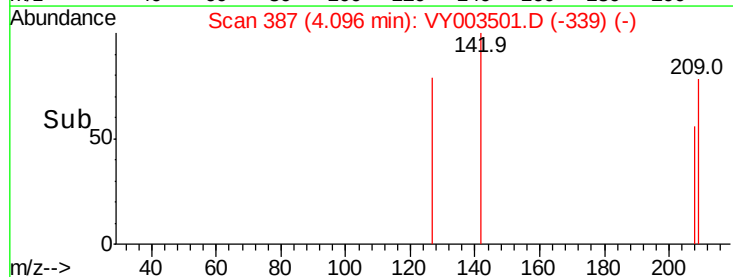
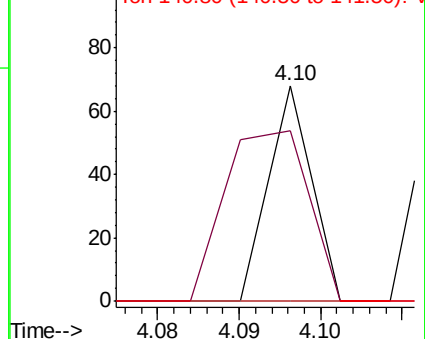
141 0.0 11.8 17.8#

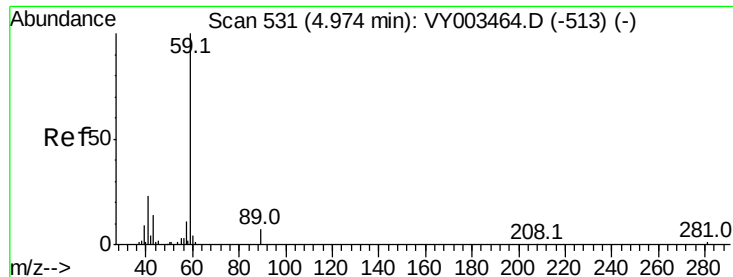


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



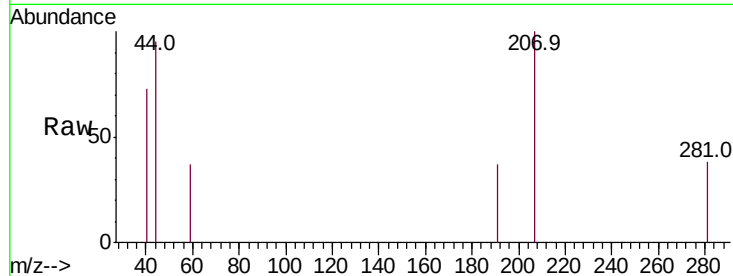


#11

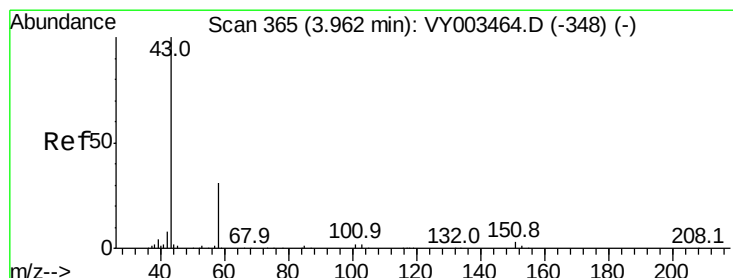
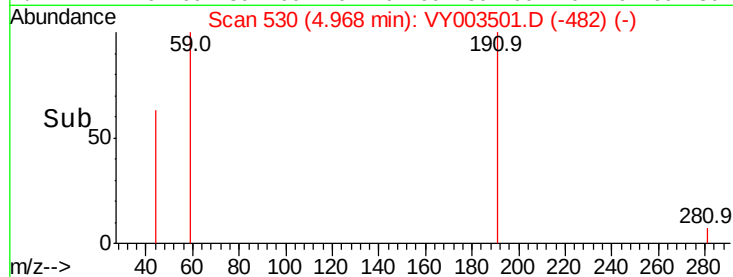
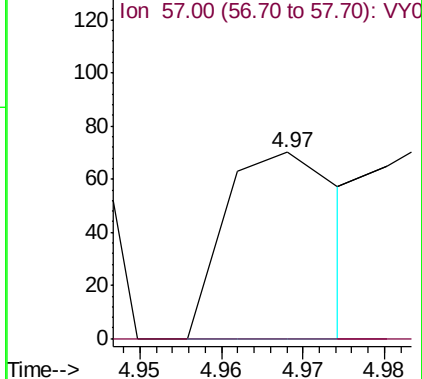
Tert butyl alcohol
 Concen: Below Cal
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY003501.D
 Acq: 03 Nov 2020 18:34

Instrument :
 MSVOA_Y
 ClientSampled :
 12016

Tot Ion: 59 Resp: 70
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#



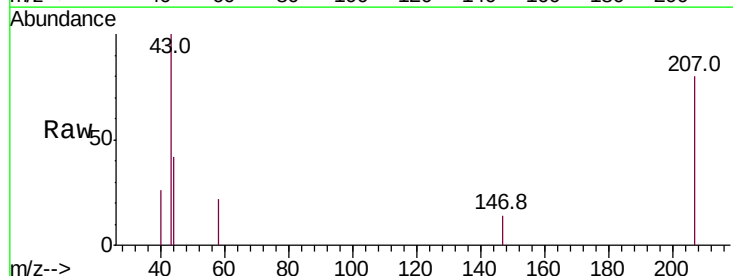
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



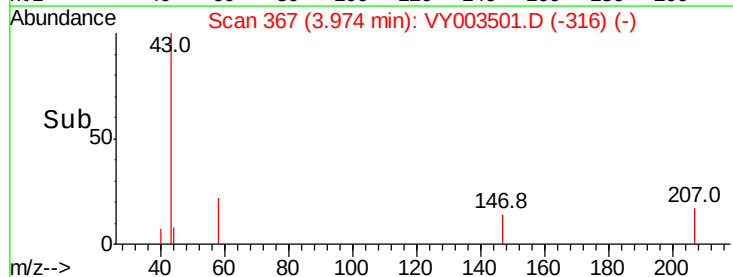
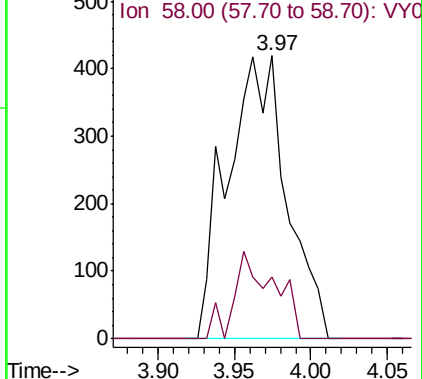
#16

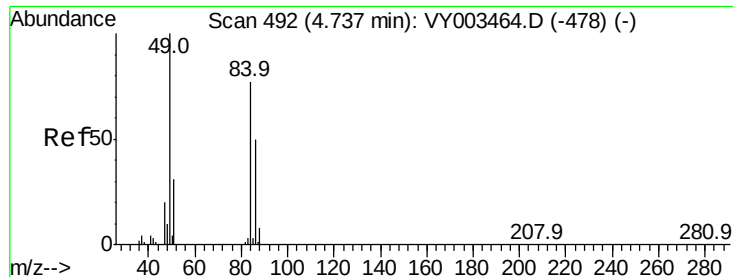
Acetone
 Concen: 2.396 ug/l
 RT: 3.97 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VY003501.D
 Acq: 03 Nov 2020 18:34

Tgt Ion: 43 Resp: 1137
 Ion Ratio Lower Upper
 43 100
 58 21.7 25.0 37.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

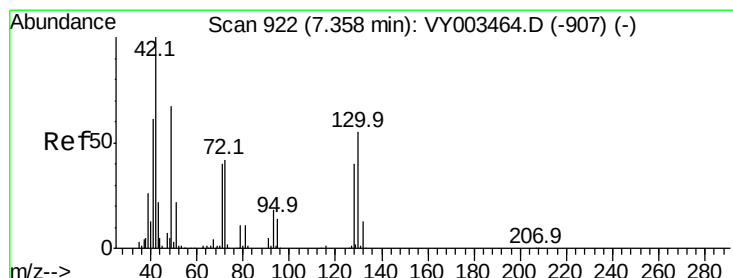
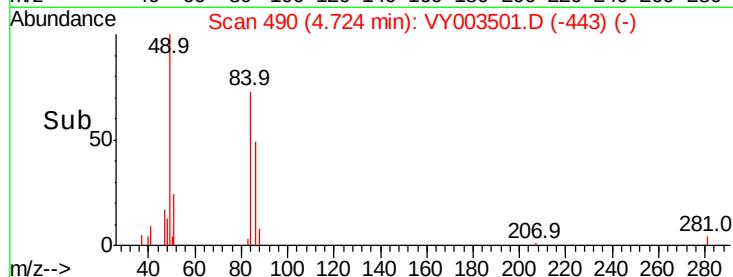
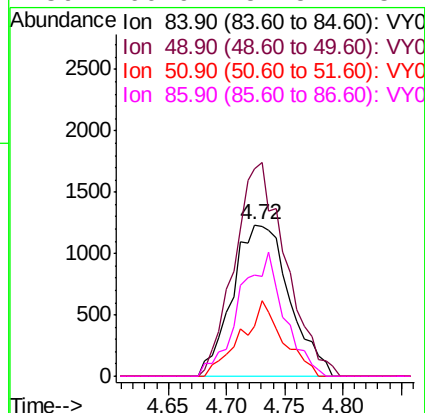
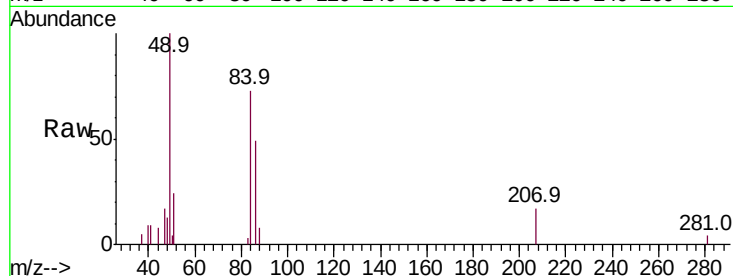




#20
Methvlene Chloride
Concen: 3.149 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY003501.D
Acq: 03 Nov 2020 18:34

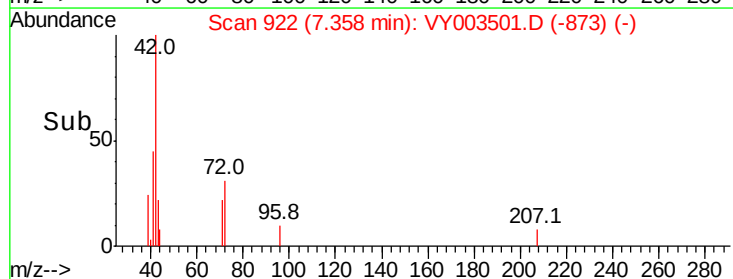
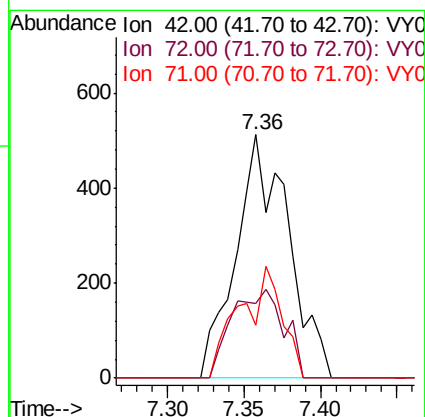
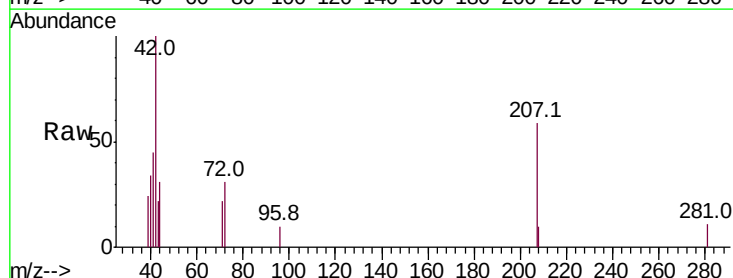
Instrument :
MSVOA_Y
ClientSampled :
12016

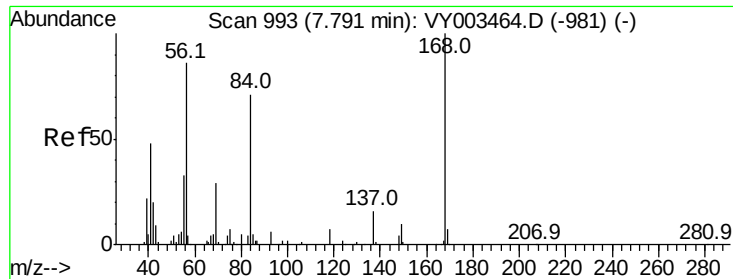
Tot Ion:	84	Resp:	4209
Ion	Ratio	Lower	Upper
84	100		
49	136.7	104.3	156.5
51	33.0	32.5	48.7
86	66.9	52.5	78.7



#29
Tetrahydrofuran
Concen: 3.947 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY003501.D
Acq: 03 Nov 2020 18:34

Tgt Ion:	42	Resp:	1224
Ion	Ratio	Lower	Upper
42	100		
72	35.9	32.8	49.2
71	37.0	30.7	46.1

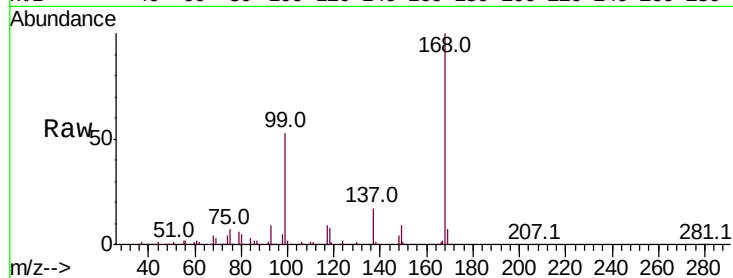




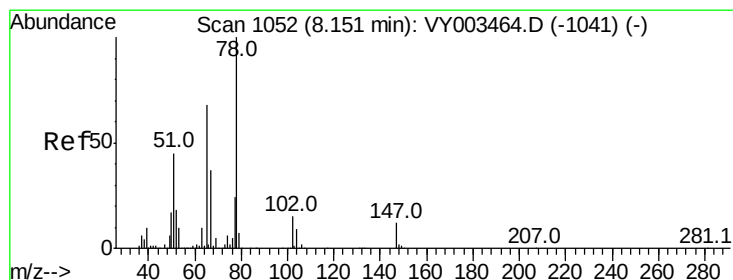
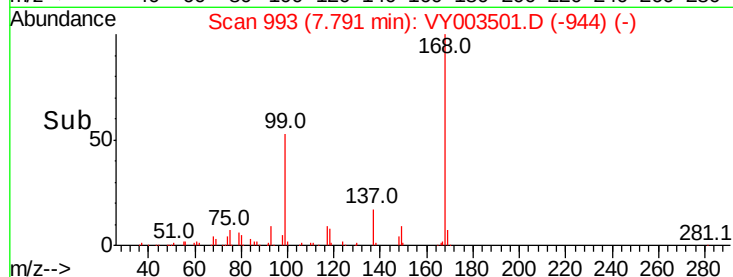
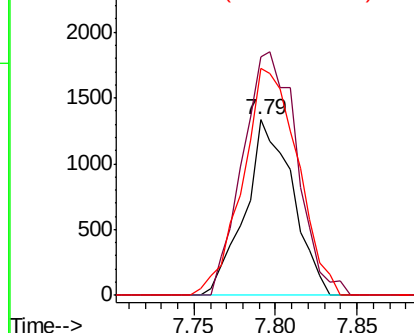
#31
Cyclohexane
Concen: 1.259 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003501.D
Acq: 03 Nov 2020 18:34

Instrument :
MSVOA_Y
ClientSampleId :
12016

Tot Ion: 56 Resp: 2715
Ion Ratio Lower Upper
56 100
69 135.7 26.6 39.8#
84 129.7 65.9 98.9#

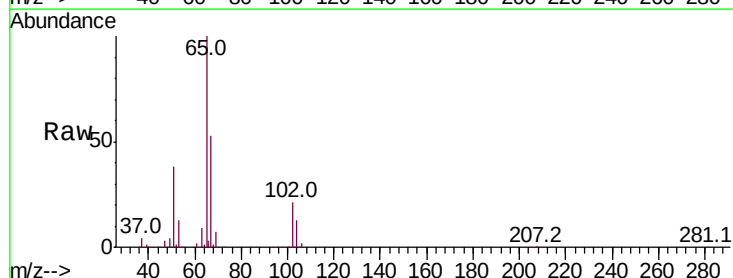


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

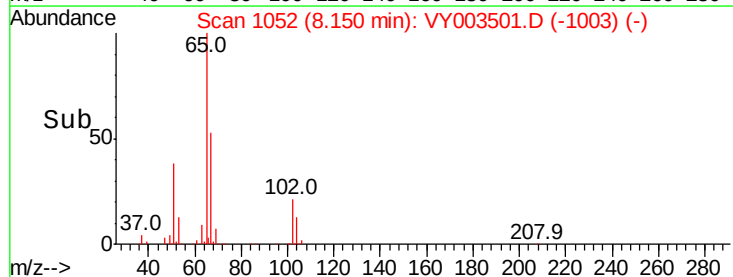
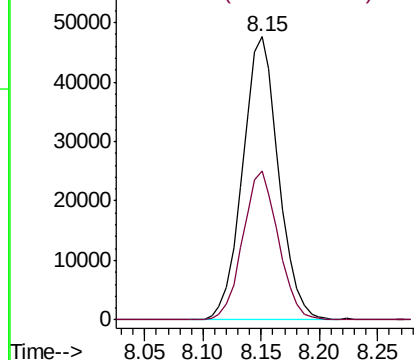


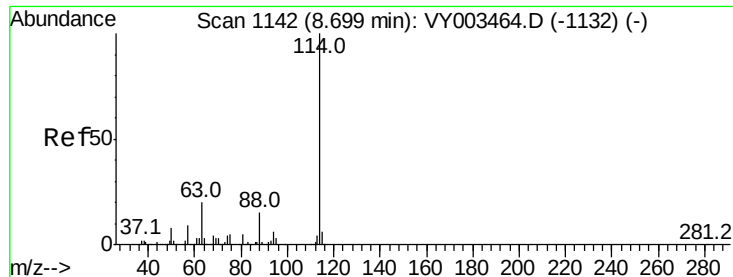
#33
1,2-Dichloroethane-d4
Concen: 71.035 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY003501.D
Acq: 03 Nov 2020 18:34

Tgt Ion: 65 Resp: 102188
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.0



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: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY003501.D

Acq: 03 Nov 2020 18:34

Instrument :

MSVOA_Y

ClientSampleId :

12016

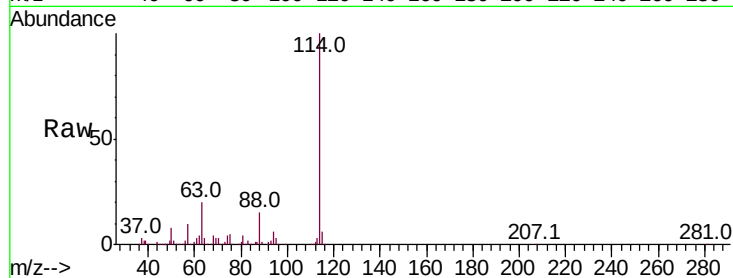
Tot Ion:114 Resp: 255759

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.6

88 15.1 0.0 29.4



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

150000

100000

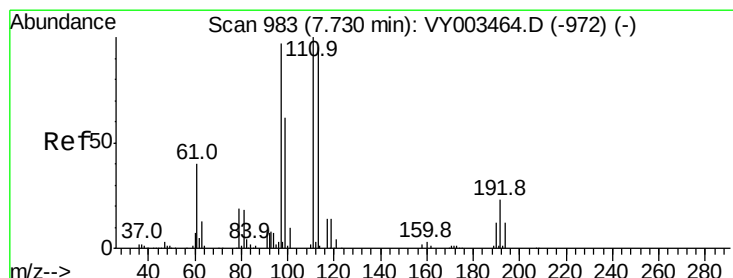
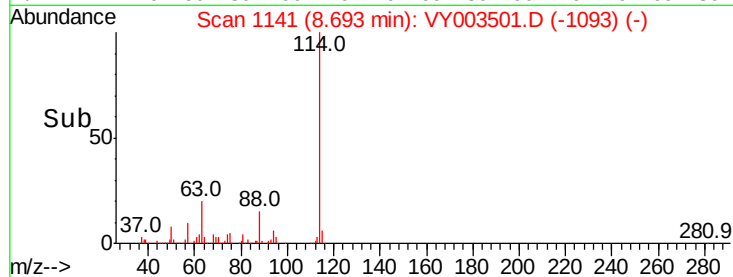
50000

0

8.69

8.60 8.70 8.80 8.90

Time-->



#35

Dibromofluoromethane

Concen: 54.623 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY003501.D

Acq: 03 Nov 2020 18:34

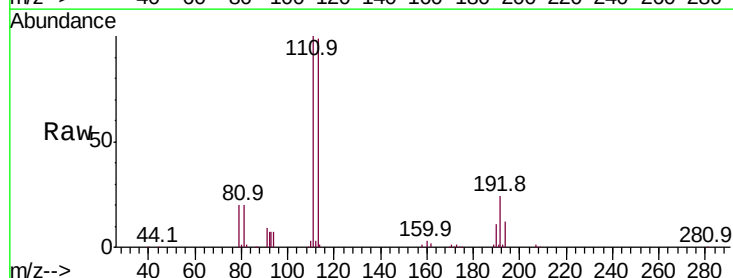
Tgt Ion:113 Resp: 85013

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.6

192 23.9 18.8 28.2



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

50000

40000

30000

20000

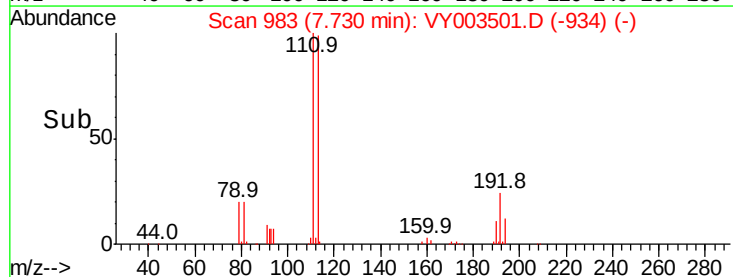
10000

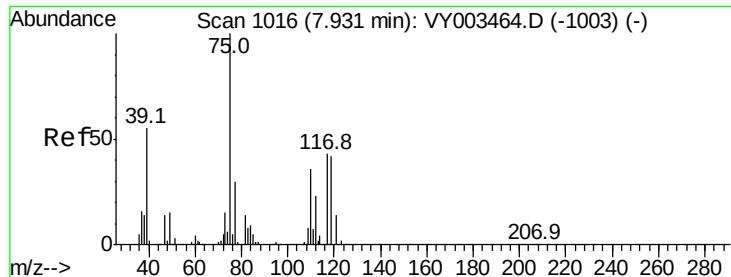
0

7.73

7.60 7.70 7.80

Time-->





#36

1,1-Dichloropropene

Concen: 3.859 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003501.D

Acq: 03 Nov 2020 18:34

Instrument :

MSVOA_Y

ClientSampled :

12016

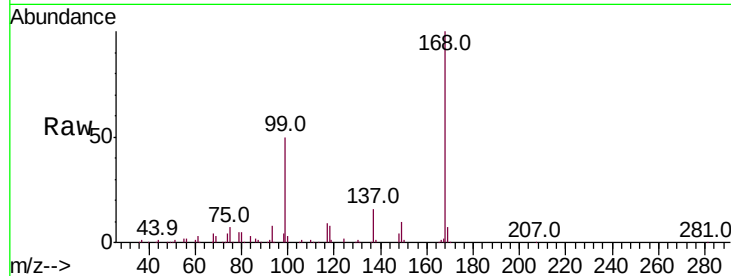
Tot Ion: 75 Resp: 9306

Ion Ratio Lower Upper

75 100

110 8.1 17.6 52.9#

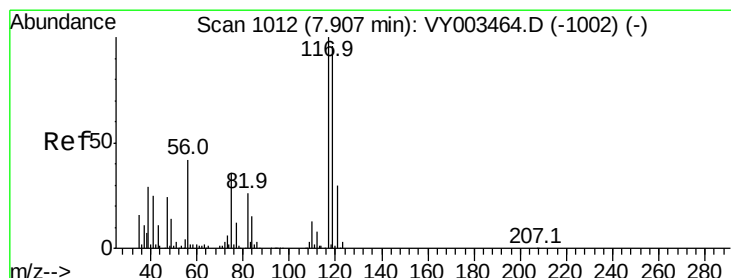
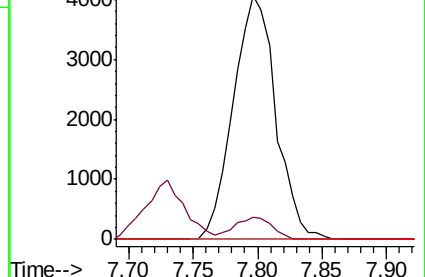
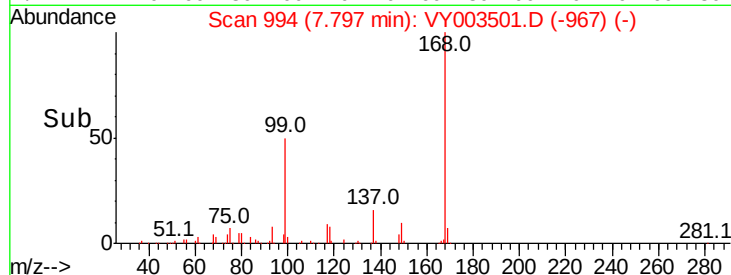
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VY003501.D (-967) (-)

Ion 109.90 (109.60 to 110.60): VY003501.D (-967) (-)

Ion 76.90 (76.60 to 77.60): VY003501.D (-967) (-)



#38

Carbon Tetrachloride

Concen: 4.966 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003501.D

Acq: 03 Nov 2020 18:34

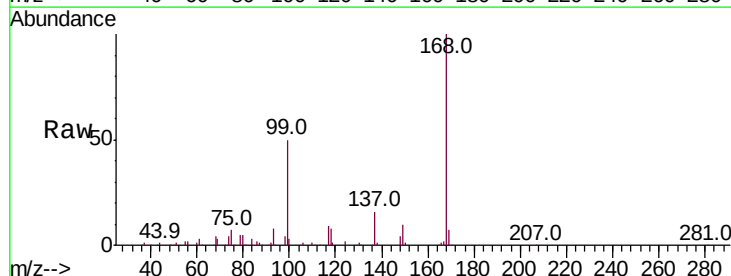
Tgt Ion: 117 Resp: 12422

Ion Ratio Lower Upper

117 100

119 6.2 76.2 114.4#

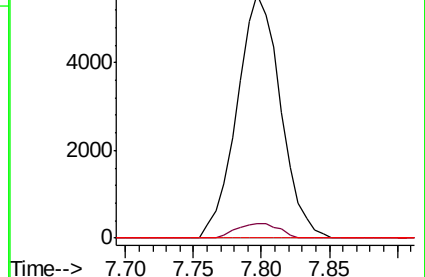
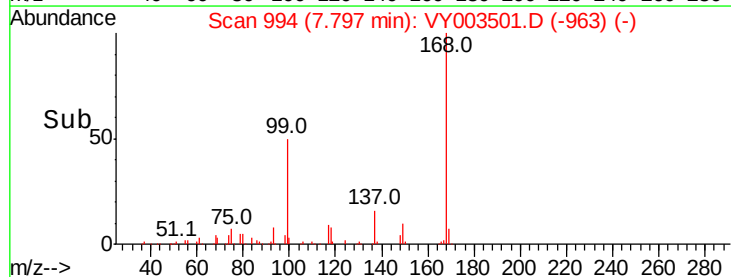
121 0.0 24.2 36.4#

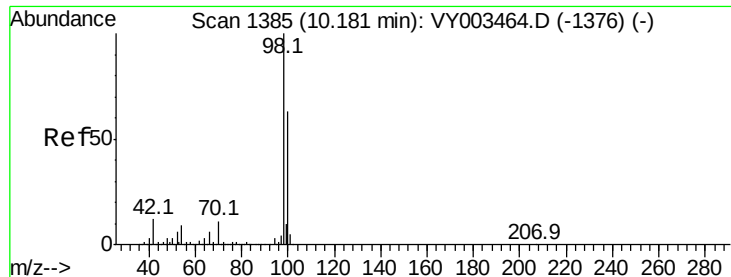


Abundance Ion 116.80 (116.50 to 117.50): VY003501.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003501.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003501.D (-963) (-)





#50

Toluene-d8

Concen: 49.160 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003501.D

Acq: 03 Nov 2020 18:34

Instrument :

MSVOA_Y

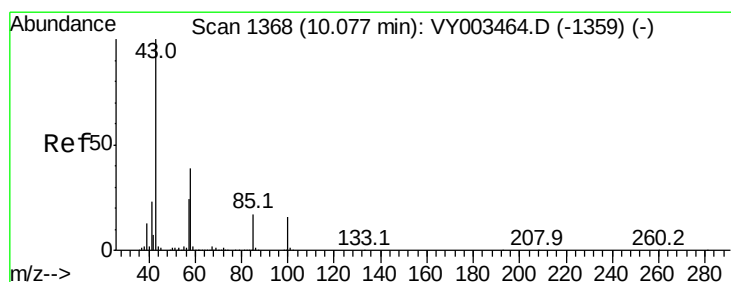
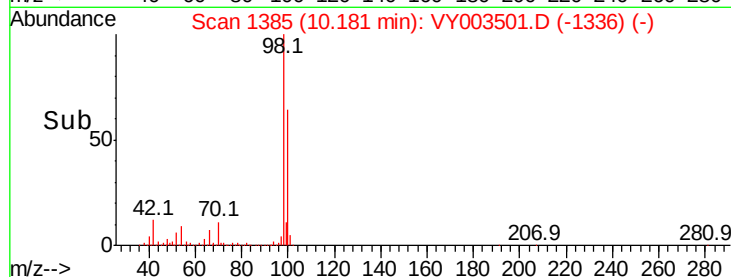
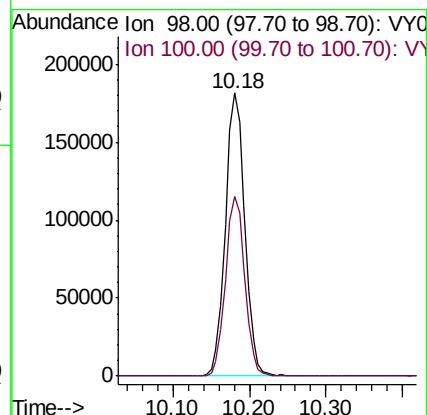
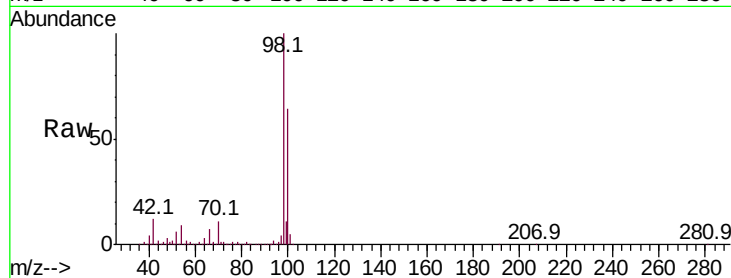
ClientSampled :
12016

Tot Ion: 98 Resp: 318293

Ion Ratio Lower Upper

98 100

100 63.4 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 1.016 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.10 min

Lab File: VY003501.D

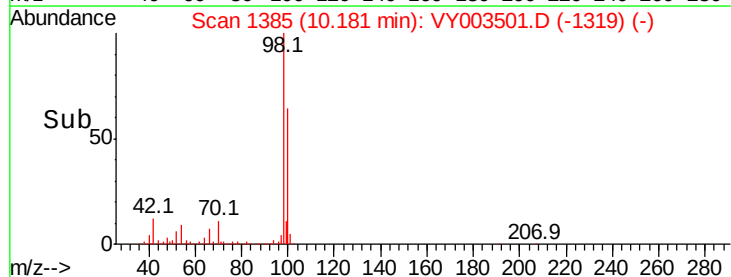
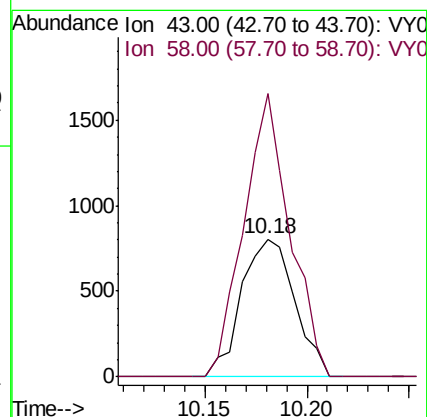
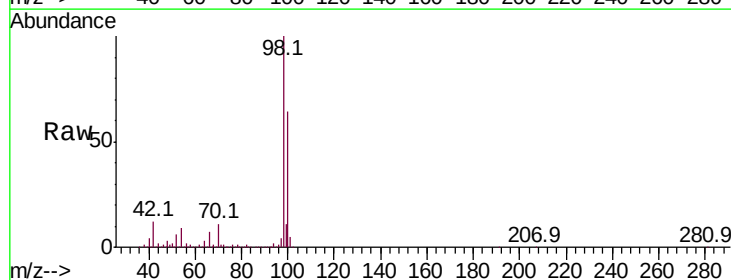
Acq: 03 Nov 2020 18:34

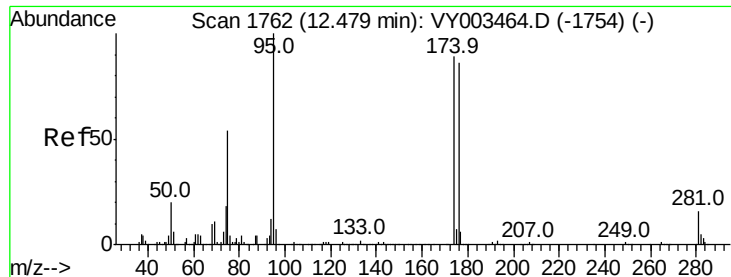
Tgt Ion: 43 Resp: 1457

Ion Ratio Lower Upper

43 100

58 178.2 31.0 46.4#

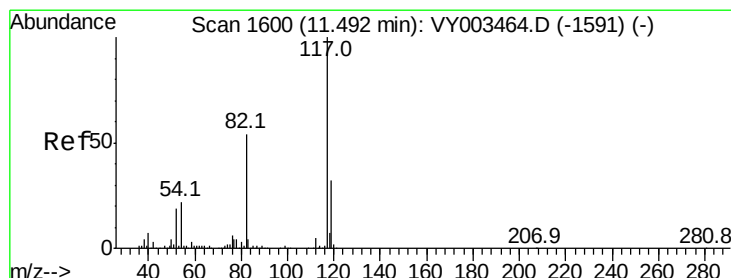
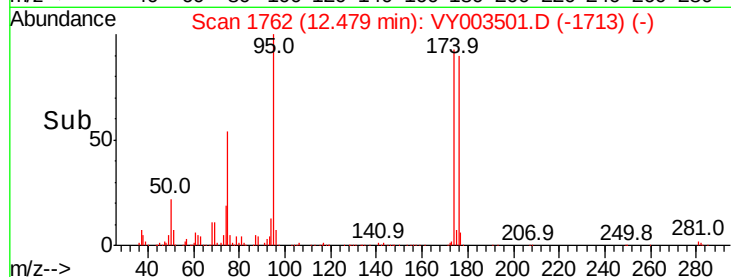
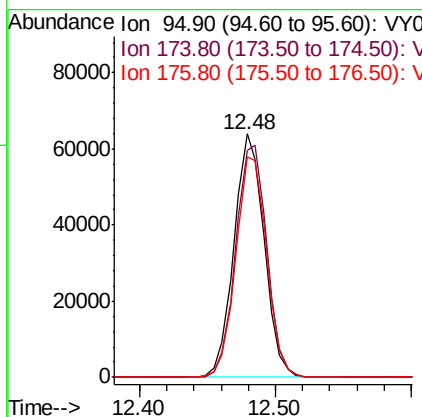
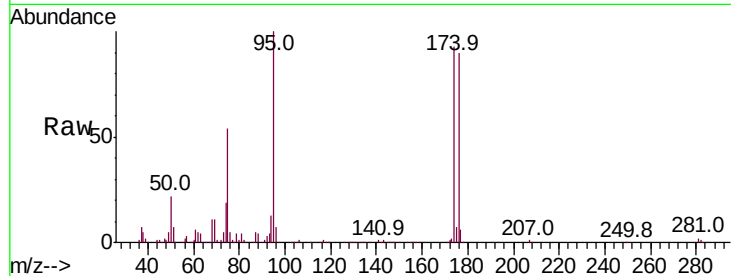




#62
4-Bromofluorobenzene
Concen: 45.896 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003501.D
Acq: 03 Nov 2020 18:34

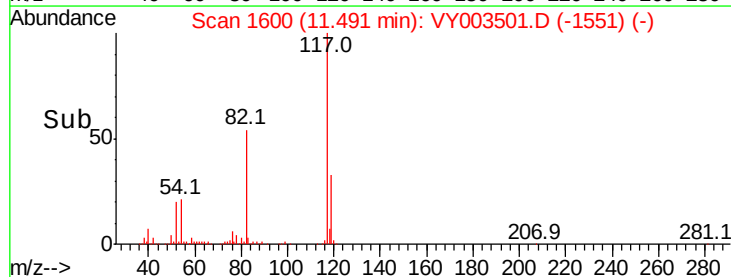
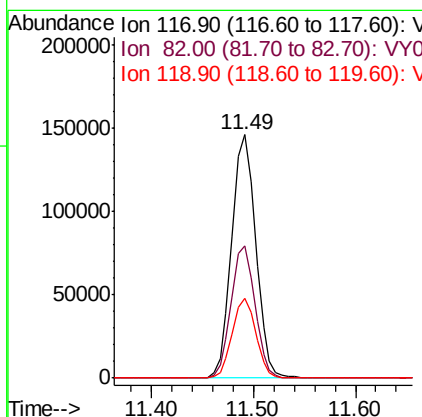
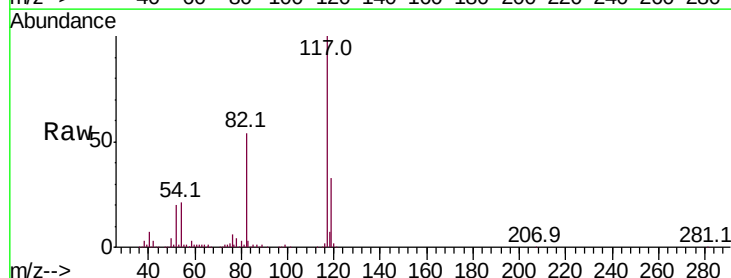
Instrument :
MSVOA_Y
ClientSampleId :
12016

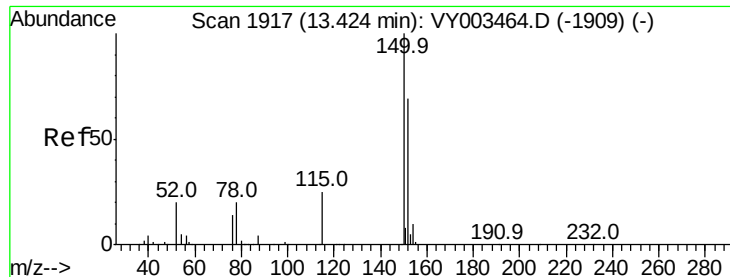
Tot Ion: 95 Resp: 98456
Ion Ratio Lower Upper
95 100
174 98.3 0.0 193.0
176 93.1 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003501.D
Acq: 03 Nov 2020 18:34

Tgt Ion: 117 Resp: 237162
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.2
119 32.8 25.8 38.6



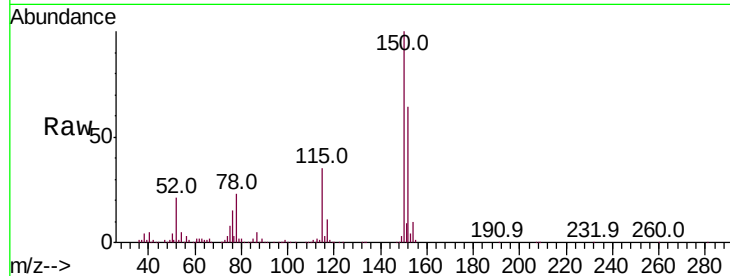


#72

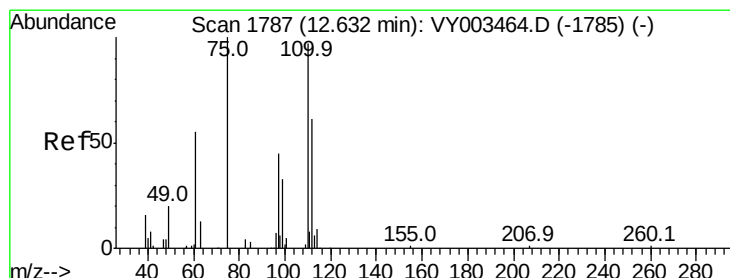
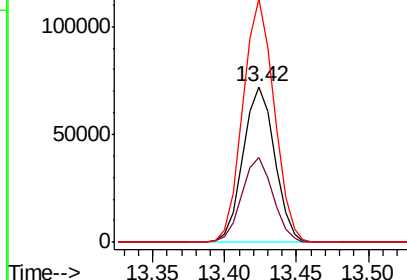
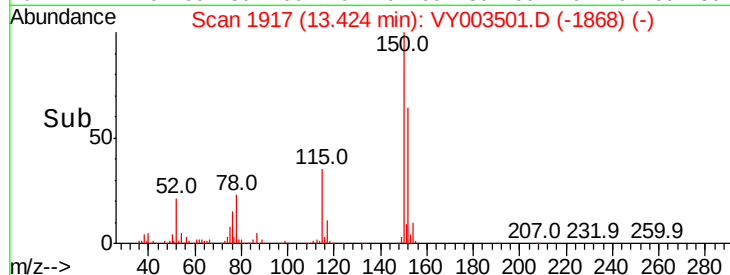
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003501.D
Acq: 03 Nov 2020 18:34

Instrument :
MSVOA_Y
ClientSampled :
12016

Tot Ion:152 Resp: 109495
Ion Ratio Lower Upper
152 100
115 53.8 27.5 82.4
150 155.2 0.0 345.8



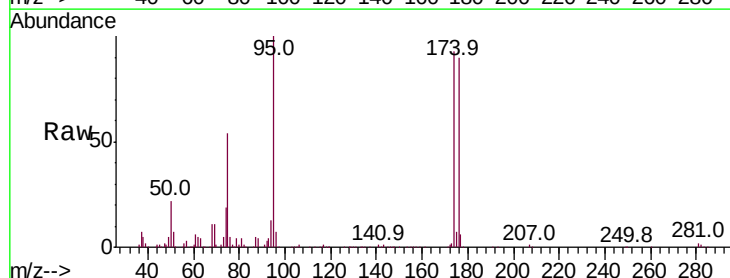
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



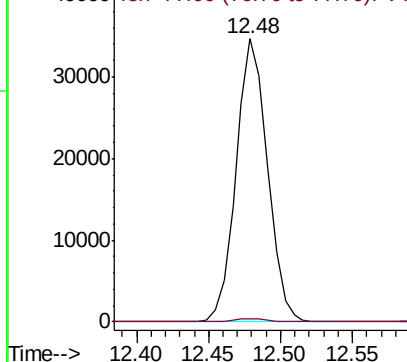
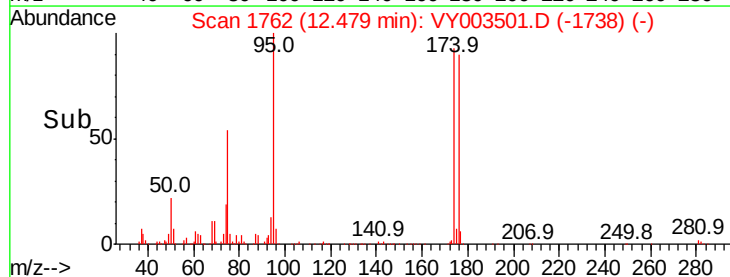
#76

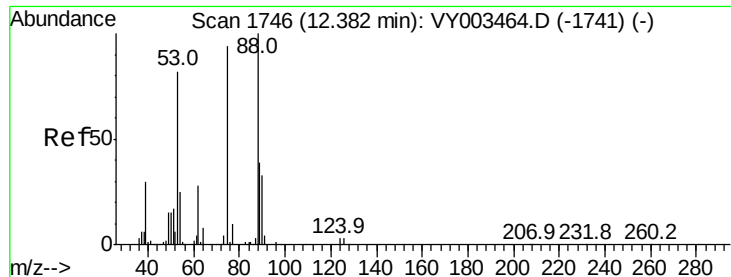
1,2,3-Trichloropropane
Concen: 45.321 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003501.D
Acq: 03 Nov 2020 18:34

Tgt Ion: 75 Resp: 52506
Ion Ratio Lower Upper
75 100
77 1.3 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: 94.593 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003501.D

Acq: 03 Nov 2020 18:34

Instrument :

MSVOA_Y

ClientSampleId :

12016

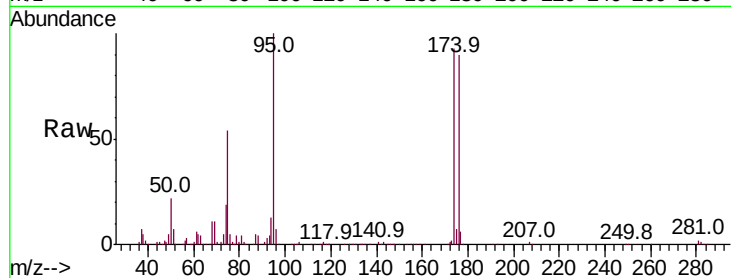
Tot Ion: 75 Resp: 52506

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.2 35.8 53.8#



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

