

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110320\
 Data File : VY003499.D
 Acq On : 03 Nov 2020 17:49
 Operator : SY/MD
 Sample : L4600-13RE
 Misc : 6.96G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRT-6RE

Quant Time: Nov 04 00:25:24 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	142566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	253036	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	221557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	96182	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	89810	61.45	ug/l	0.00
Spiked Amount			Recovery	=	122.90%	
35) Dibromofluoromethane	7.73	113	80101	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
50) Toluene-d8	10.18	98	309335	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
62) 4-Bromofluorobenzene	12.48	95	87801	41.37	ug/l	0.00
Spiked Amount			Recovery	=	82.74%	

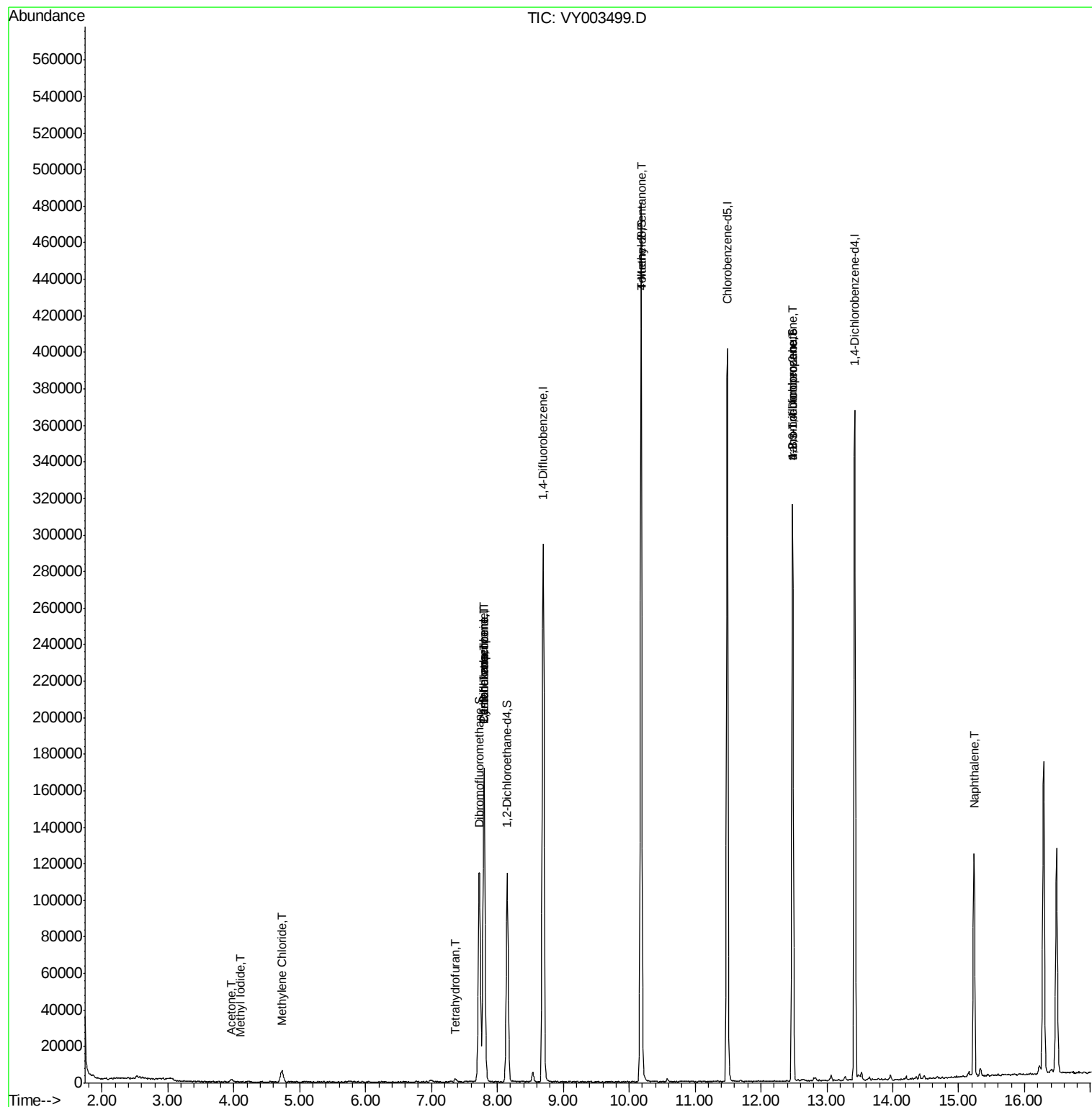
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.09	142	60	4.650	ug/l #	41
11) Tert butyl alcohol	4.96	59	22	Below Cal	#	73
16) Acetone	3.97	43	2593	5.378	ug/l	91
20) Methylene Chloride	4.73	84	4760	3.506	ug/l	89
29) Tetrahydrofuran	7.36	42	1120	3.554	ug/l #	91
31) Cyclohexane	7.80	56	2623	1.197	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	9667	4.052	ug/l #	51
38) Carbon Tetrachloride	7.80	117	12600	5.091	ug/l #	17
51) 4-Methyl-2-Pentanone	10.18	43	1513	1.067	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	46913	46.098	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	46913	96.215	ug/l #	12
95) Naphthalene	15.23	128	102510	27.396	ug/l	100

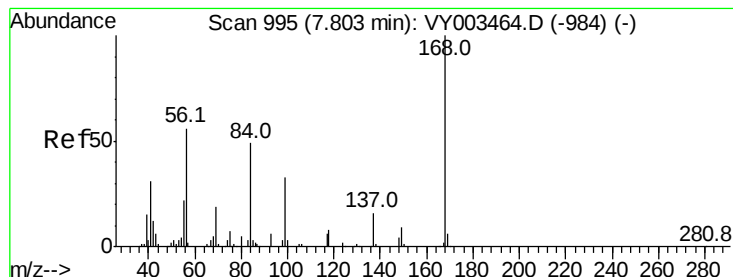
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY110320\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY003499.D

Acq: 03 Nov 2020 17:49

Instrument :

MSVOA_Y

ClientSampleId :

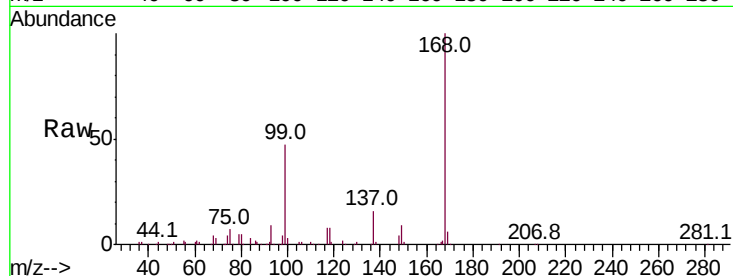
CRT-6RE

Tot Ion:168 Resp: 142566

Ion Ratio Lower Upper

168 100

99 47.3 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

60000

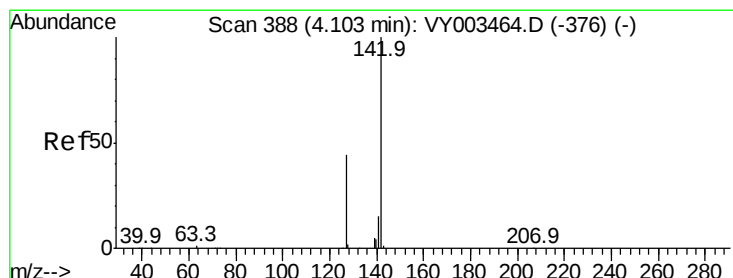
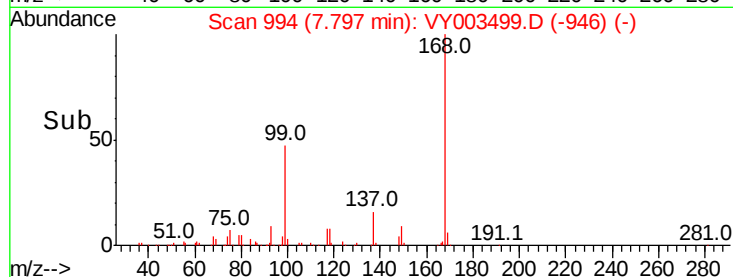
7.80

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 4.650 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY003499.D

Acq: 03 Nov 2020 17:49

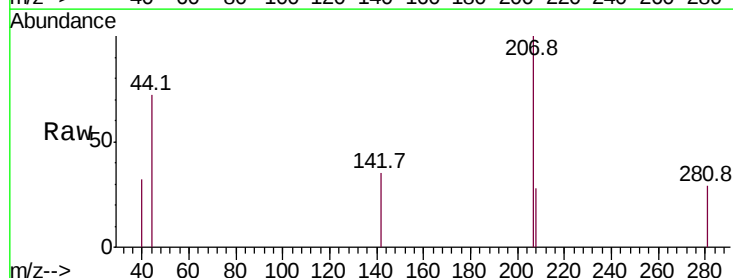
Tgt Ion:142 Resp: 60

Ion Ratio Lower Upper

142 100

127 0.0 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

120

100

80

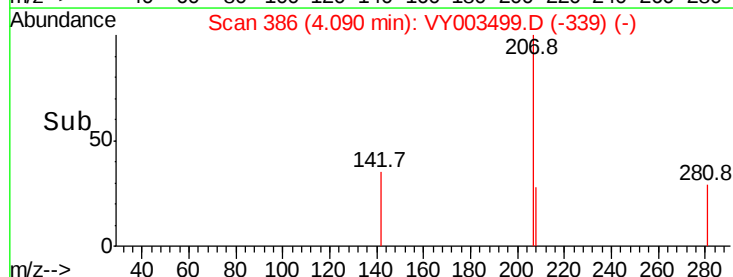
60

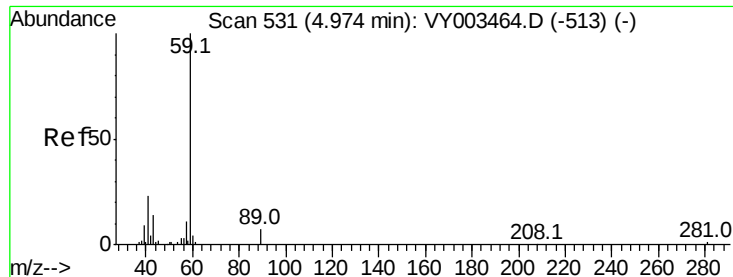
40

20

0

Time-->



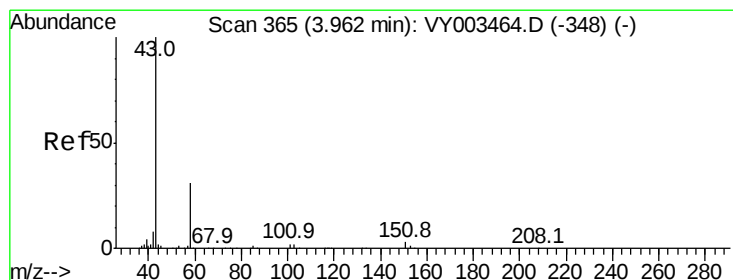
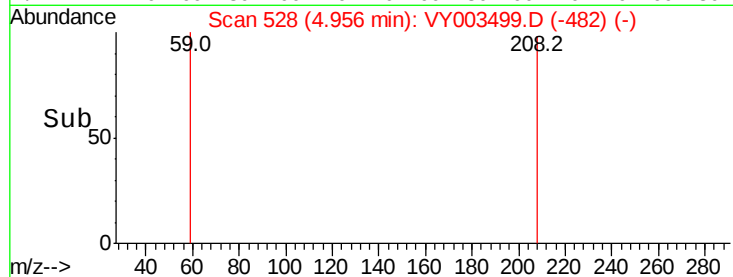
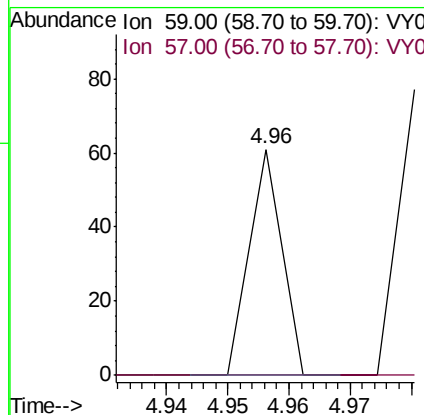
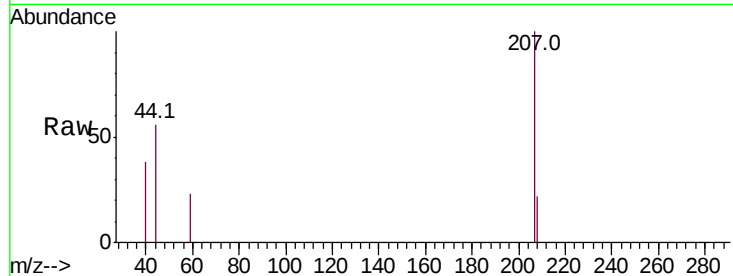


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.96 min Scan# 528
 Delta R.T. -0.02 min
 Lab File: VY003499.D
 Acq: 03 Nov 2020 17:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRT-6RE

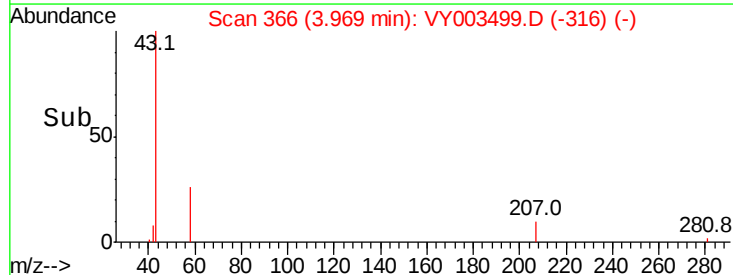
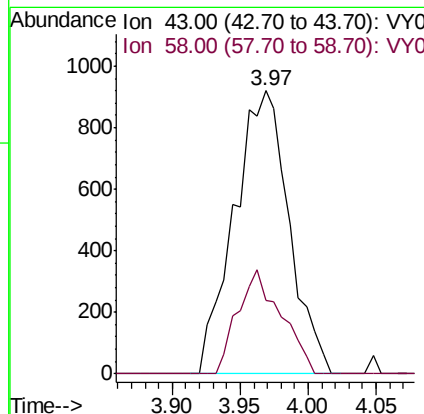
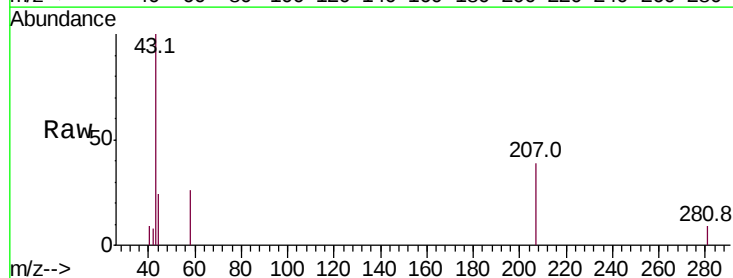
Tot Ion: 59 Resp: 22
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

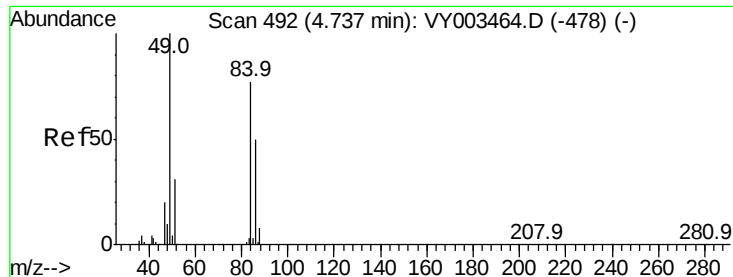


#16

Acetone
 Concen: 5.378 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VY003499.D
 Acq: 03 Nov 2020 17:49

Tgt Ion: 43 Resp: 2593
 Ion Ratio Lower Upper
 43 100
 58 26.0 25.0 37.4

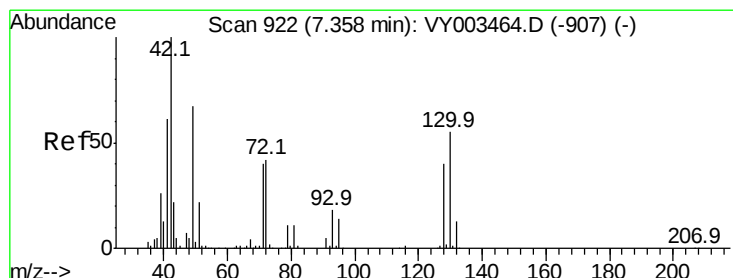
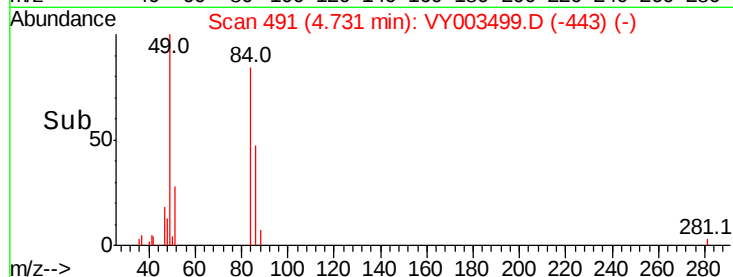
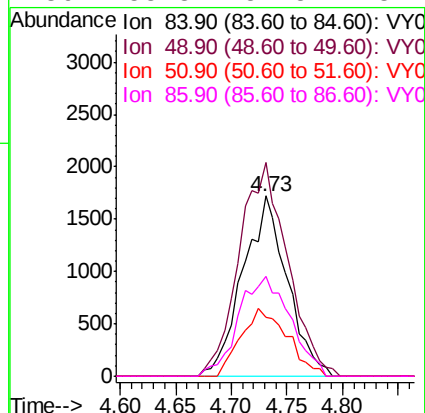
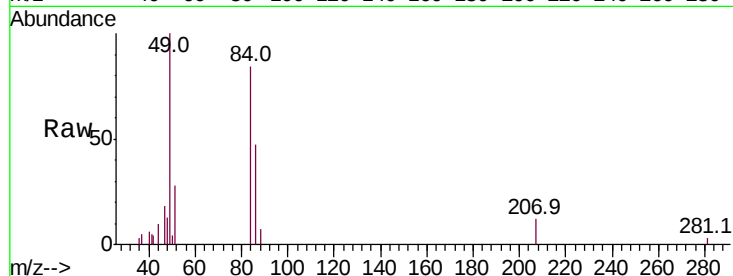




#20
Methvlene Chloride
Concen: 3.506 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY003499.D
Acq: 03 Nov 2020 17:49

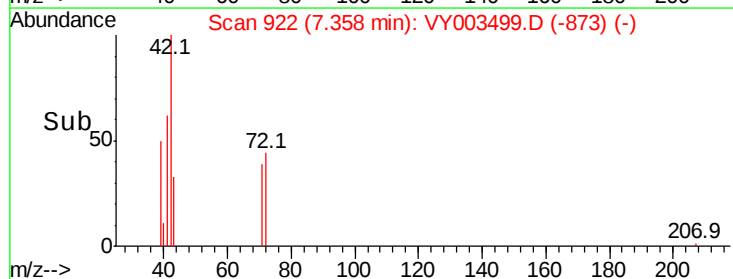
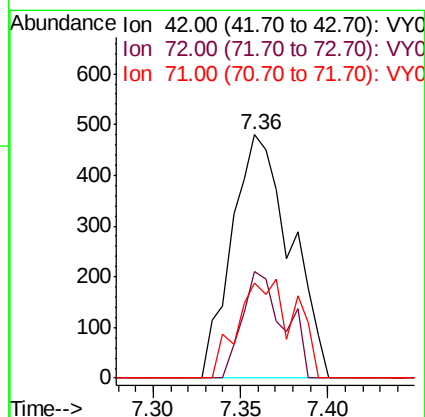
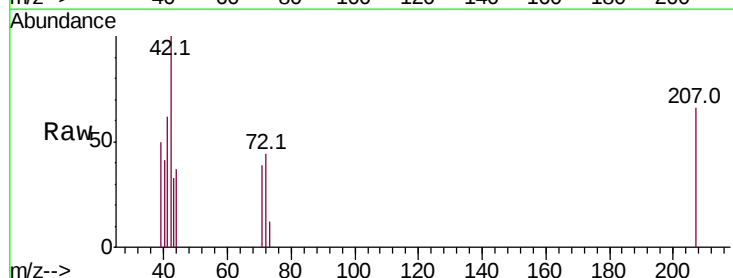
Instrument :
MSVOA_Y
ClientSampleId :
CRT-6RE

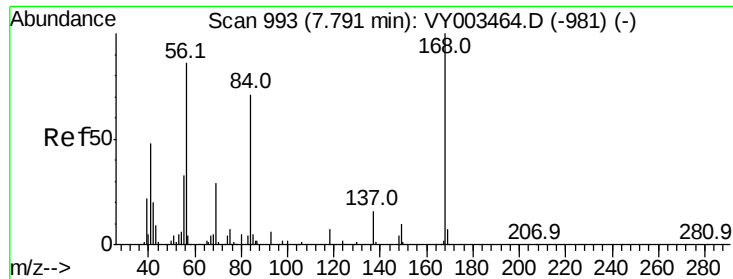
Tot Ion:	84	Resp:	4760
Ion	Ratio	Lower	Upper
84	100		
49	118.5	104.3	156.5
51	32.8	32.5	48.7
86	55.8	52.5	78.7



#29
Tetrahydrofuran
Concen: 3.554 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY003499.D
Acq: 03 Nov 2020 17:49

Tgt Ion:	42	Resp:	1120
Ion	Ratio	Lower	Upper
42	100		
72	30.7	32.8	49.2#
71	39.1	30.7	46.1

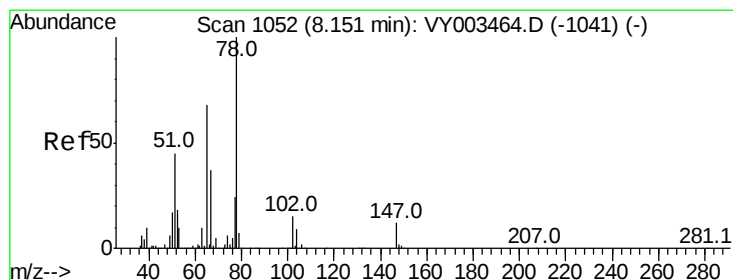
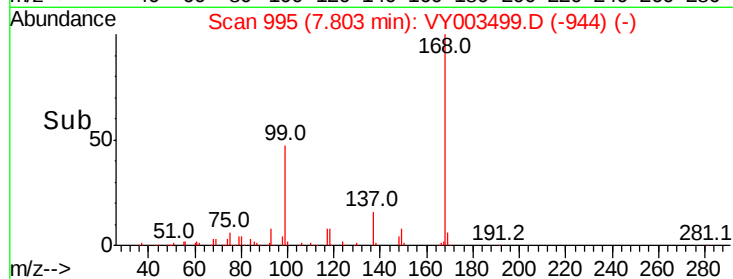
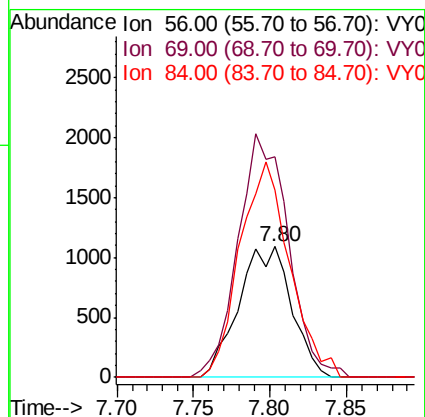
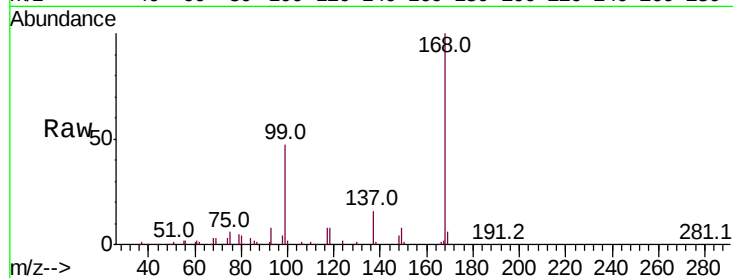




#31
Cvclohexane
Concen: 1.197 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY003499.D
Acq: 03 Nov 2020 17:49

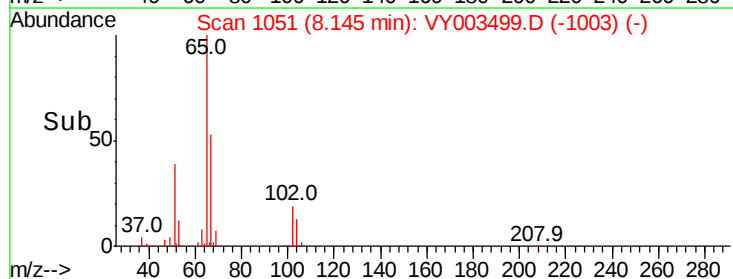
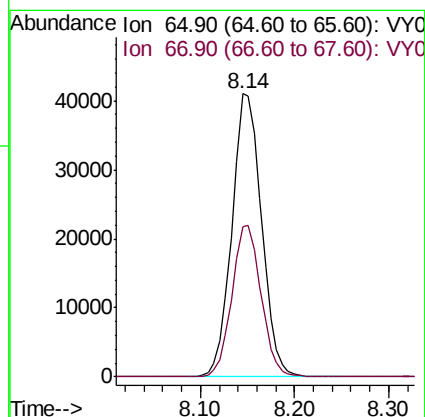
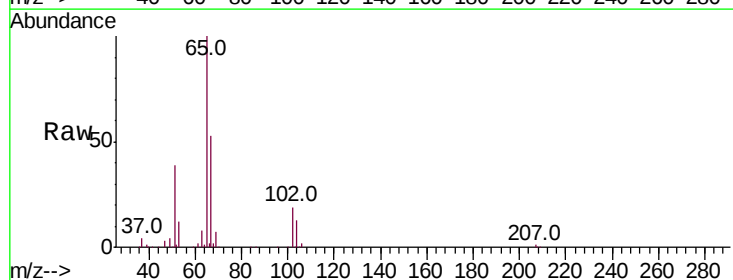
Instrument :
MSVOA_Y
ClientSampled :
CRT-6RE

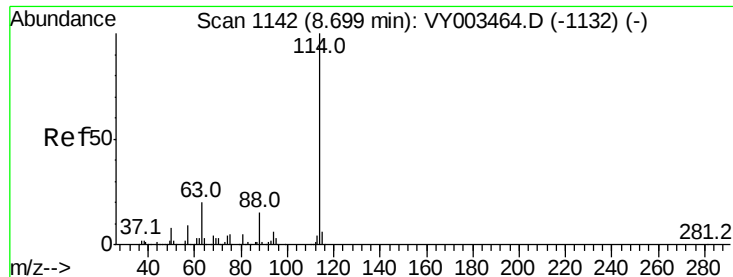
Tot Ion: 56 Resp: 2623
Ion Ratio Lower Upper
56 100
69 168.6 26.6 39.8#
84 144.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 61.448 ug/l
RT: 8.14 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VY003499.D
Acq: 03 Nov 2020 17:49

Tgt Ion: 65 Resp: 89810
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY003499.D

Acq: 03 Nov 2020 17:49

Instrument :

MSVOA_Y

ClientSampleId :

CRT-6RE

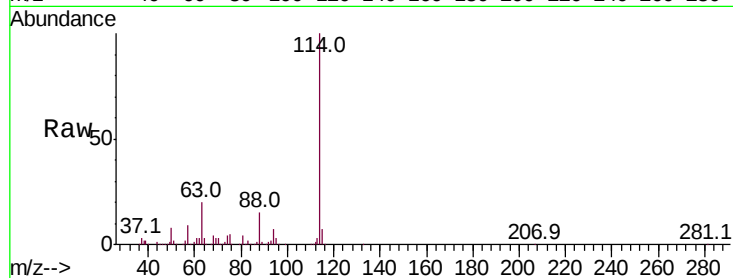
Tot Ion:114 Resp: 253036

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.6

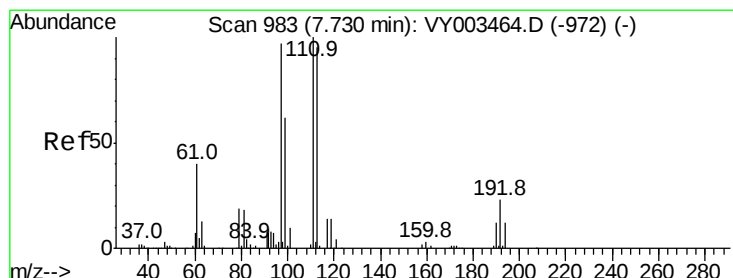
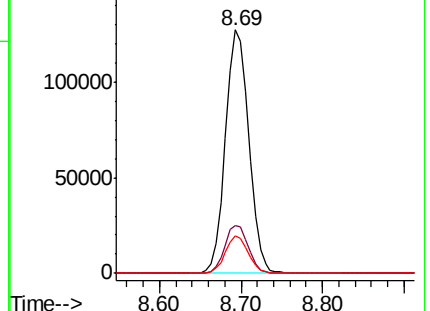
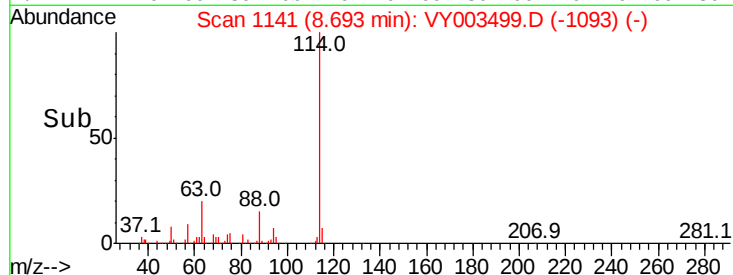
88 15.4 0.0 29.4



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



#35

Dibromofluoromethane

Concen: 52.021 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY003499.D

Acq: 03 Nov 2020 17:49

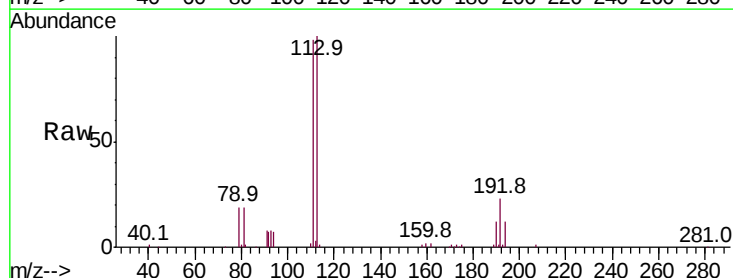
Tgt Ion:113 Resp: 80101

Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.6

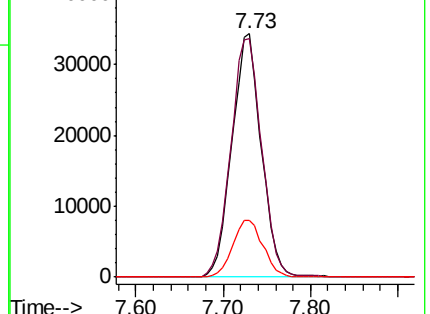
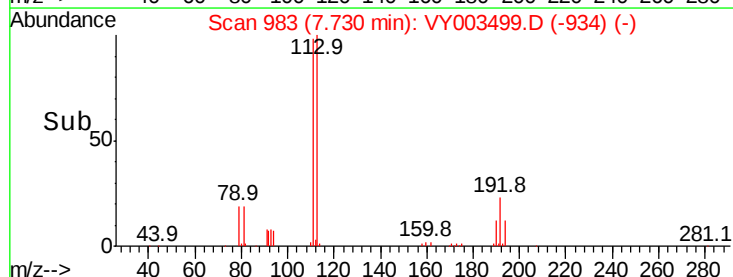
192 24.2 18.8 28.2

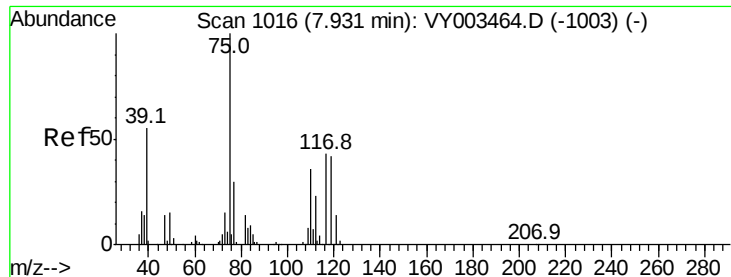


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.052 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003499.D

Acq: 03 Nov 2020 17:49

Instrument :

MSVOA_Y

ClientSampled :

CRT-6RE

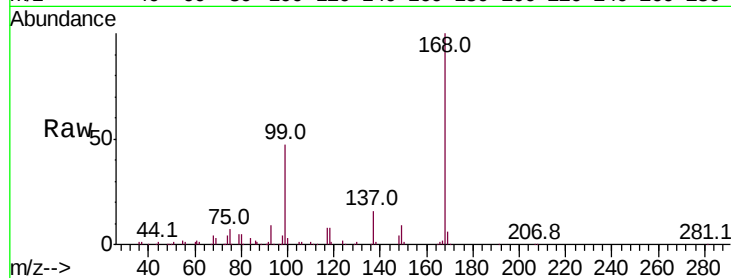
Tot Ion: 75 Resp: 9667

Ion Ratio Lower Upper

75 100

110 9.9 17.6 52.9#

77 0.4 24.7 37.1#



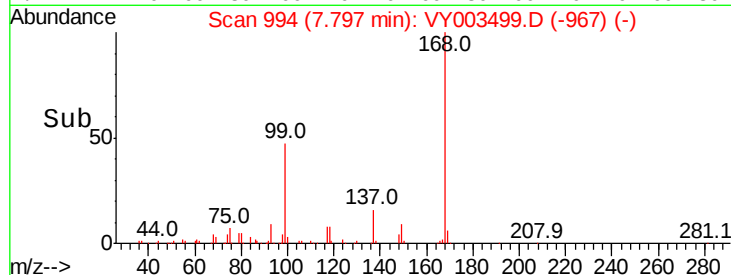
Abundance Ion 74.90 (74.60 to 75.60): VY003499.D (-967) (-)

Ion 109.90 (109.60 to 110.60): VY003499.D (-967) (-)

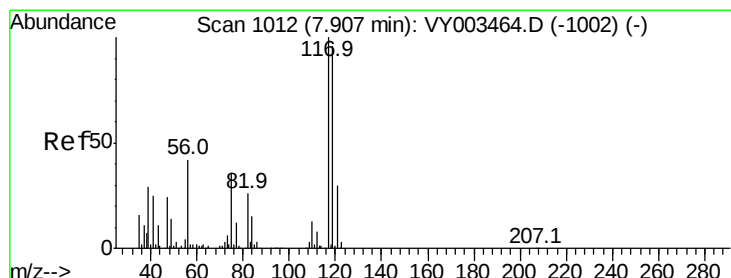
Ion 76.90 (76.60 to 77.60): VY003499.D (-967) (-)

7.80

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 5.091 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003499.D

Acq: 03 Nov 2020 17:49

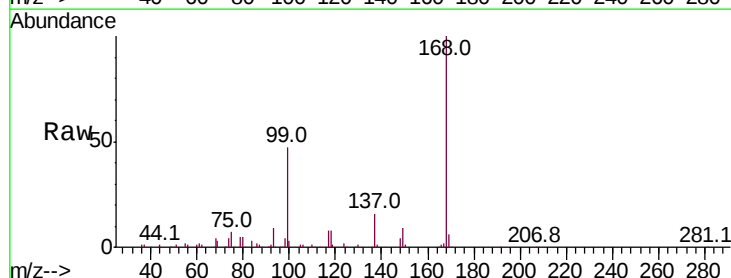
Tgt Ion: 117 Resp: 12600

Ion Ratio Lower Upper

117 100

119 6.0 76.2 114.4#

121 0.0 24.2 36.4#



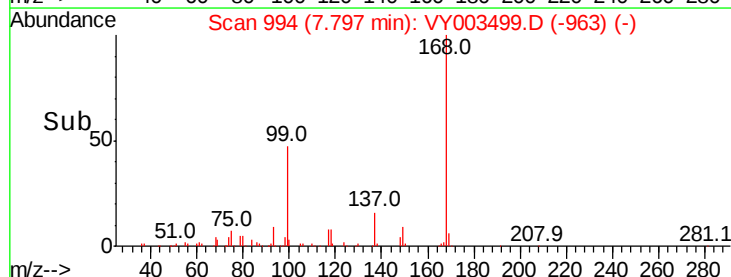
Abundance Ion 116.80 (116.50 to 117.50): VY003499.D (-963) (-)

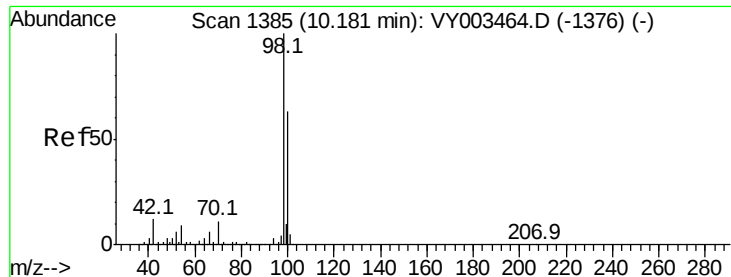
Ion 118.80 (118.50 to 119.50): VY003499.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003499.D (-963) (-)

7.80

Time-->





#50

Toluene-d8

Concen: 48.291 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003499.D

Acq: 03 Nov 2020 17:49

Instrument :

MSVOA_Y

ClientSampleId :

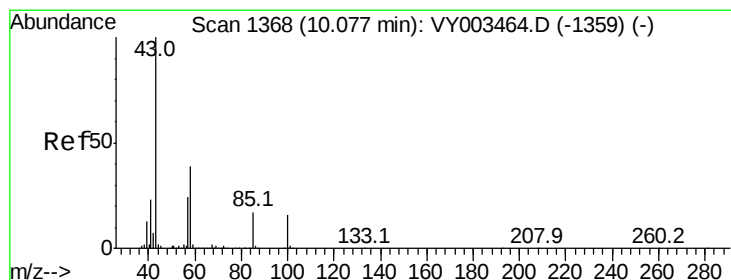
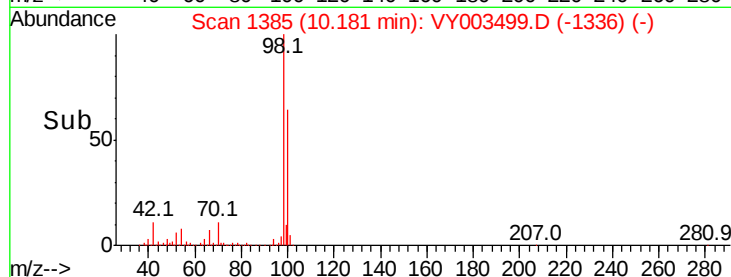
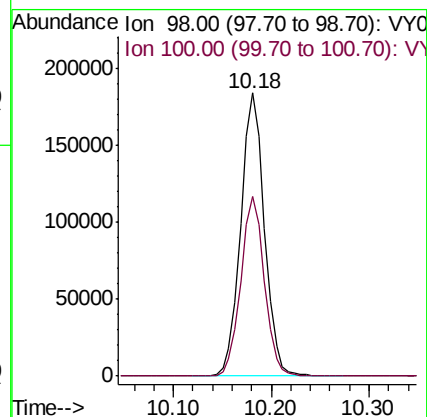
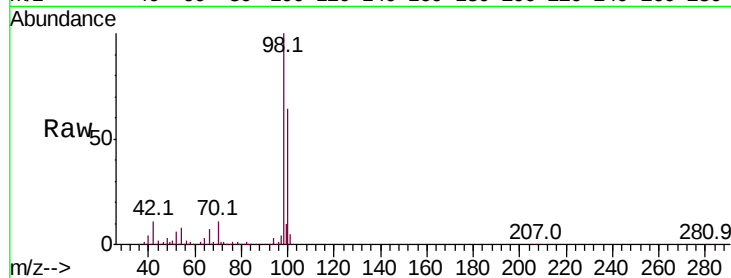
CRT-6RE

Tot Ion: 98 Resp: 309335

Ion Ratio Lower Upper

98 100

100 63.2 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 1.067 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.10 min

Lab File: VY003499.D

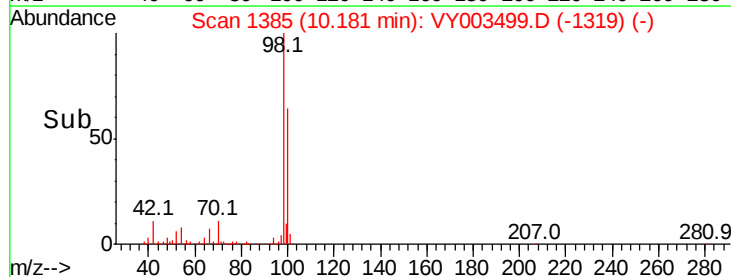
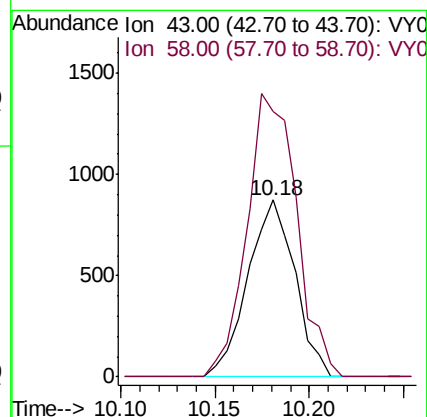
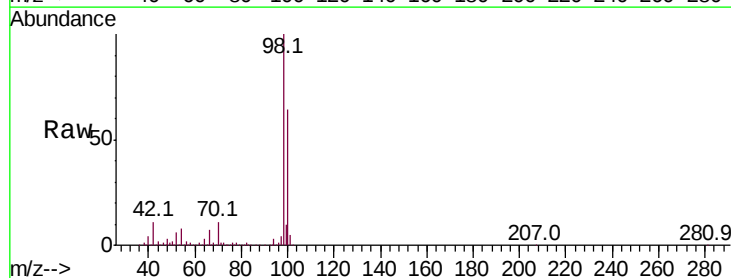
Acq: 03 Nov 2020 17:49

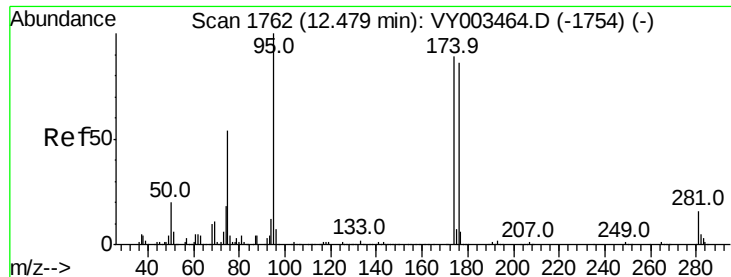
Tgt Ion: 43 Resp: 1513

Ion Ratio Lower Upper

43 100

58 169.2 31.0 46.4#





#62

4-Bromofluorobenzene

Concen: 41.369 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003499.D

Acq: 03 Nov 2020 17:49

Instrument :

MSVOA_Y

ClientSampleId :

CRT-6RE

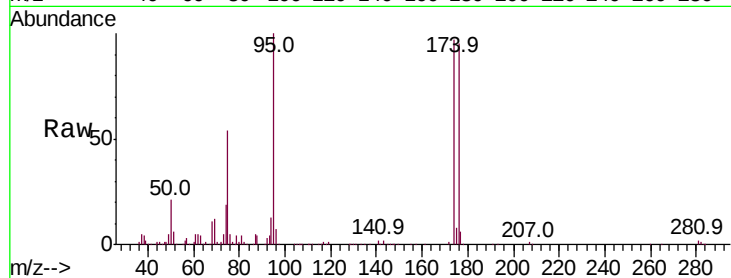
Tot Ion: 95 Resp: 87801

Ion Ratio Lower Upper

95 100

174 96.4 0.0 193.0

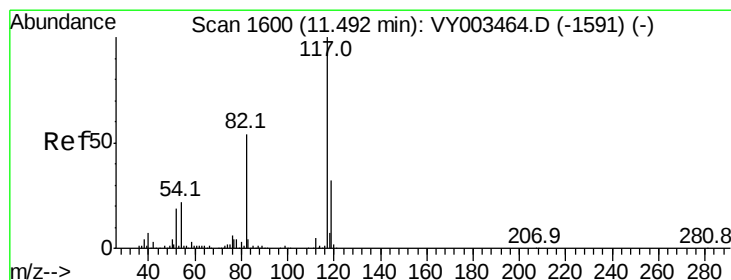
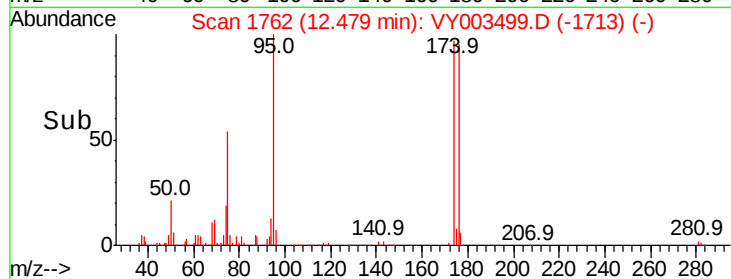
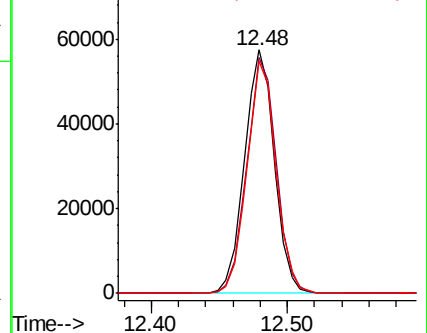
176 93.2 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VY003464.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY003464.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY003464.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY003499.D

Acq: 03 Nov 2020 17:49

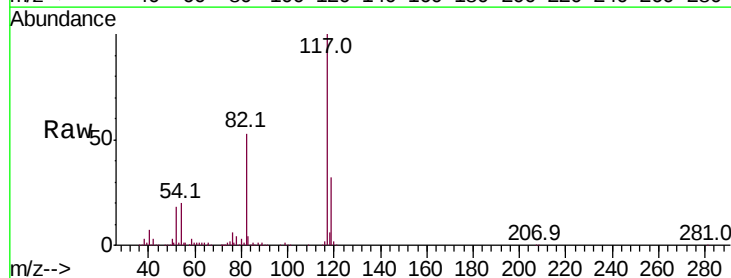
Tgt Ion: 117 Resp: 221557

Ion Ratio Lower Upper

117 100

82 53.1 43.4 65.2

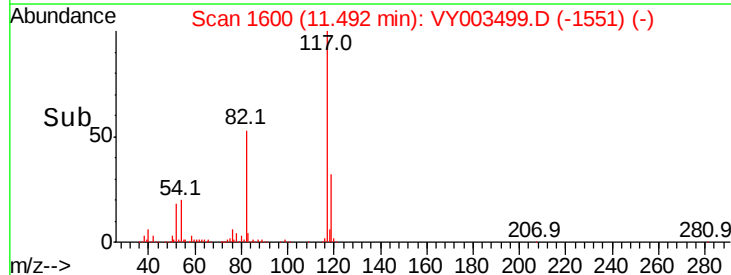
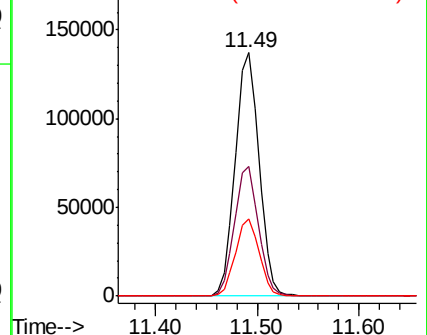
119 31.5 25.8 38.6

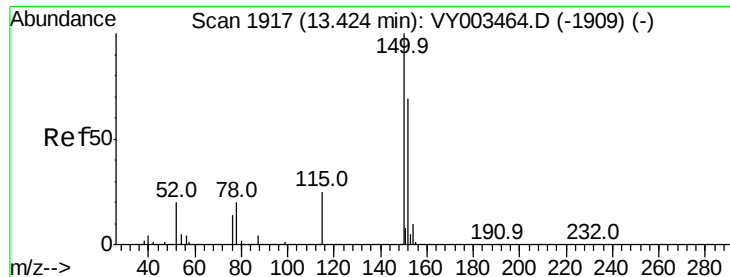


Abundance Ion 116.90 (116.60 to 117.60): VY003464.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY003464.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY003464.D (-1591) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY003499.D

Acq: 03 Nov 2020 17:49

Instrument :

MSVOA_Y

ClientSampleId :

CRT-6RE

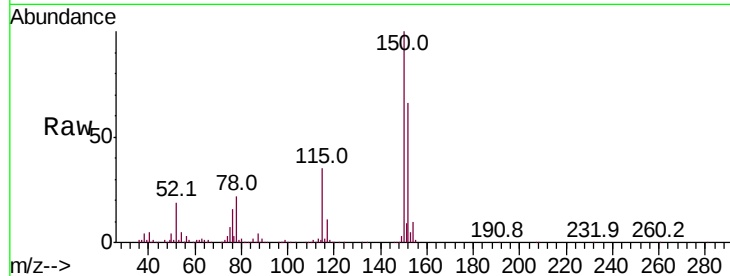
Tot Ion:152 Resp: 96182

Ion Ratio Lower Upper

152 100

115 55.7 27.5 82.4

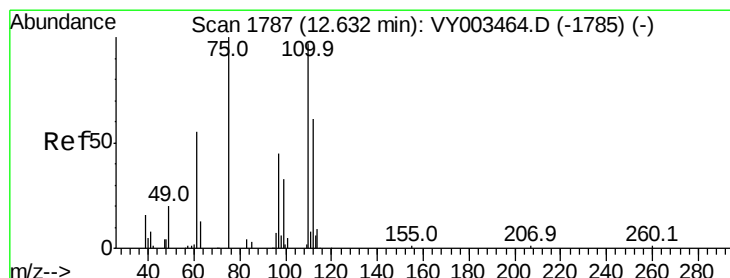
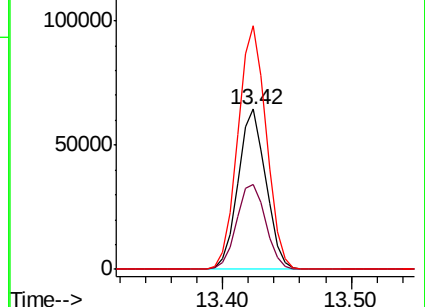
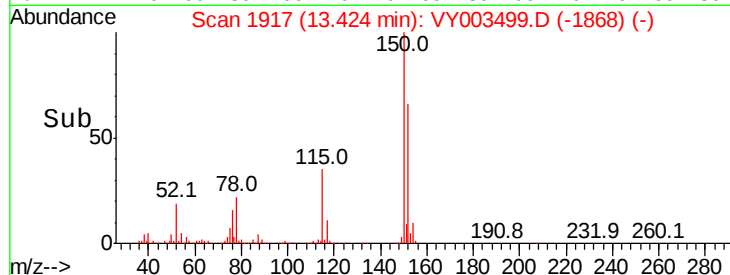
150 155.6 0.0 345.8



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: 46.098 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003499.D

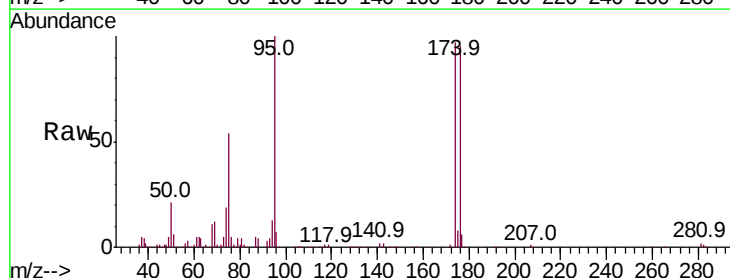
Acq: 03 Nov 2020 17:49

Tgt Ion: 75 Resp: 46913

Ion Ratio Lower Upper

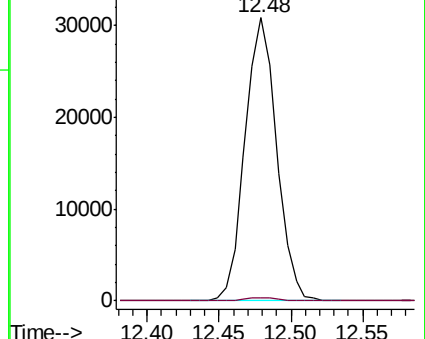
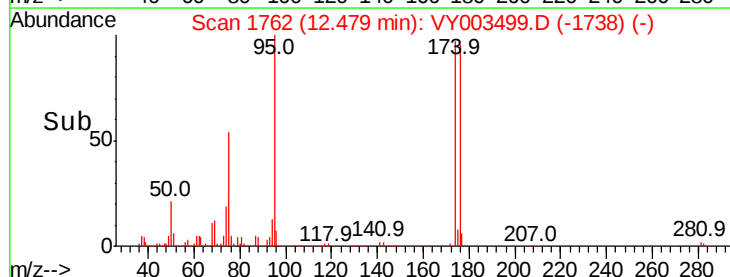
75 100

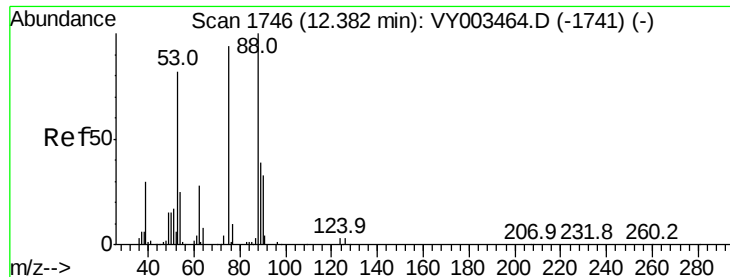
77 1.4 0.0 0.0#



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: 96.215 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003499.D

Acq: 03 Nov 2020 17:49

Instrument :

MSVOA_Y

ClientSampleId :

CRT-6RE

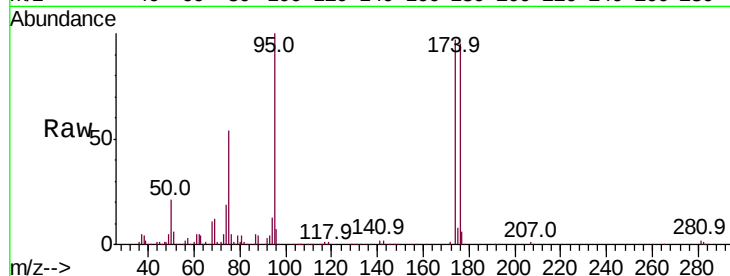
Tot Ion: 75 Resp: 46913

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

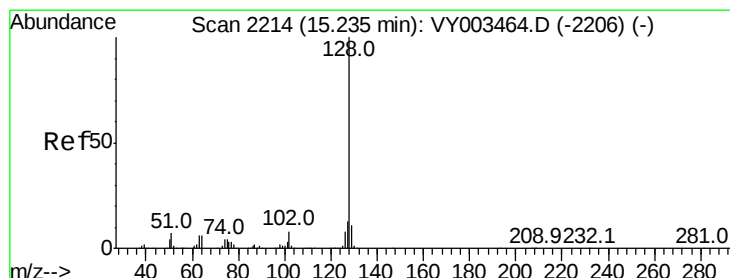
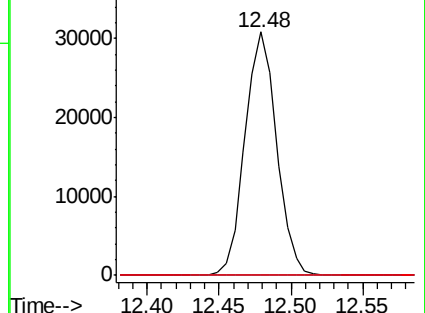
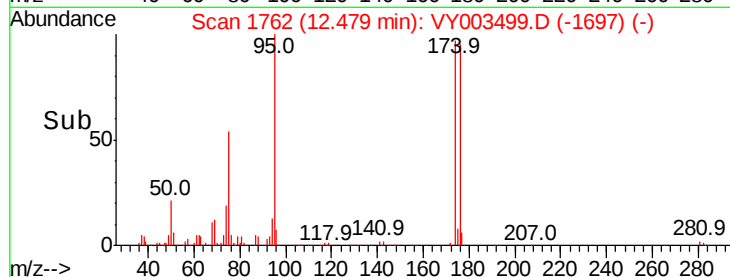
89 0.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VY003499.D (-1697) (-)

Ion 53.00 (52.70 to 53.70): VY003499.D (-1697) (-)

Ion 88.90 (88.60 to 89.60): VY003499.D (-1697) (-)



#95

Naphthalene

Concen: 27.396 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY003499.D

Acq: 03 Nov 2020 17:49

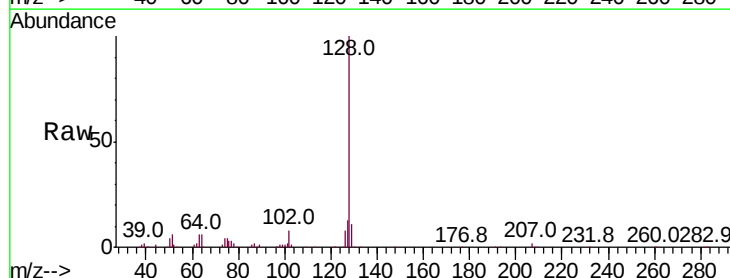
Tgt Ion: 128 Resp: 102510

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): VY003499.D (-2165) (-)

Ion 127.00 (126.70 to 127.70): VY003499.D (-2165) (-)

Ion 129.00 (128.70 to 129.70): VY003499.D (-2165) (-)

