

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110320\
 Data File : VY003498.D
 Acq On : 03 Nov 2020 17:26
 Operator : SY/MD
 Sample : L4600-09RE
 Misc : 5.54G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRT-19RE

Quant Time: Nov 04 00:25:15 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	159124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	293173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	263052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	121025	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	109906	67.37	ug/l	0.00
Spiked Amount			Recovery	=	134.74%	
35) Dibromofluoromethane	7.73	113	96421	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	
50) Toluene-d8	10.18	98	358303	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
62) 4-Bromofluorobenzene	12.48	95	108333	44.06	ug/l	0.00
Spiked Amount			Recovery	=	88.12%	

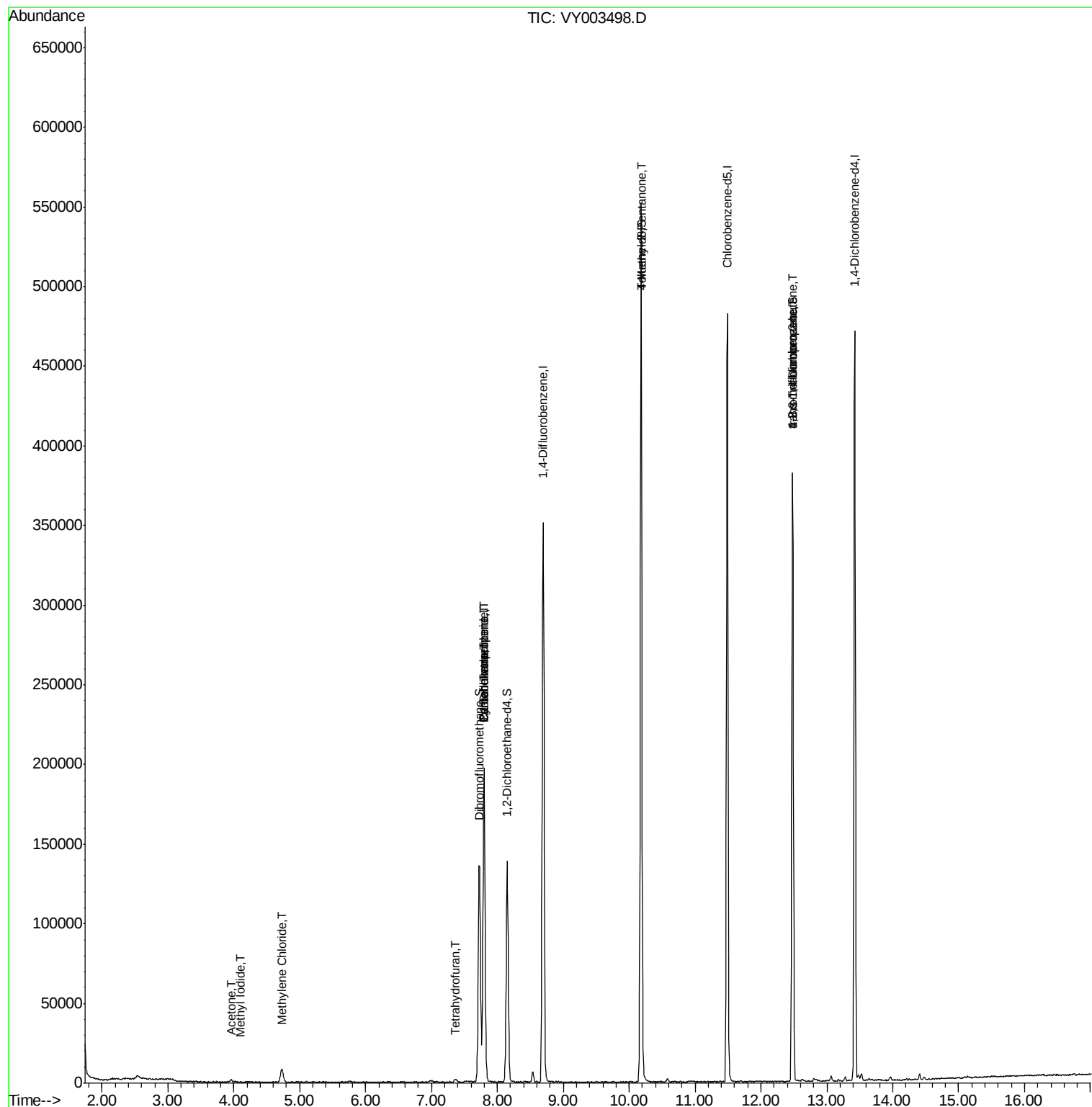
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.11	142	192	4.734	ug/l #	41
11) Tert butyl alcohol	4.99	59	155	Below Cal	#	73
16) Acetone	3.96	43	1989	3.696	ug/l	89
20) Methylene Chloride	4.73	84	5973	3.941	ug/l	86
29) Tetrahydrofuran	7.36	42	1418	4.032	ug/l	96
31) Cyclohexane	7.80	56	2949	1.206	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	11109	4.019	ug/l #	49
38) Carbon Tetrachloride	7.80	117	14068	4.906	ug/l #	18
51) 4-Methyl-2-Pentanone	10.18	43	1675	1.019	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	57894	45.211	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	57894	94.363	ug/l #	12

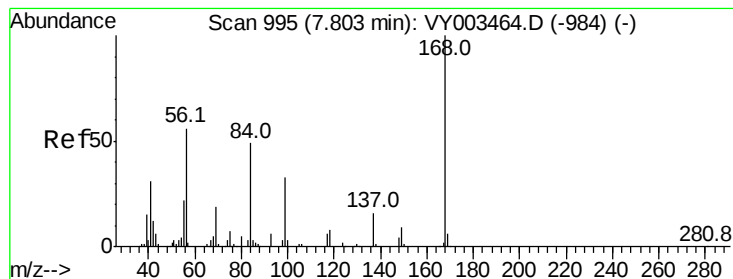
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY003498.D

Acq: 03 Nov 2020 17:26

Instrument :

MSVOA_Y

ClientSampleId :

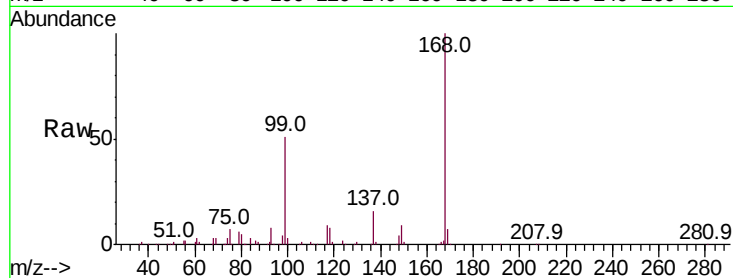
CRT-19RE

Tot Ion:168 Resp: 159124

Ion Ratio Lower Upper

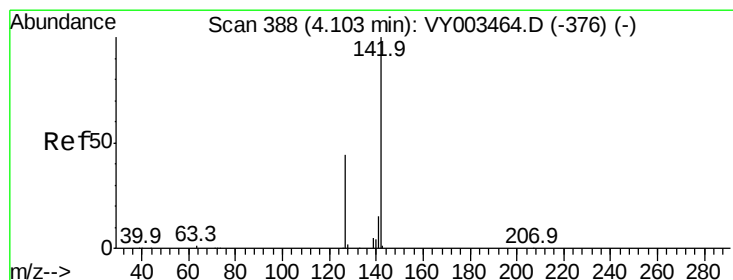
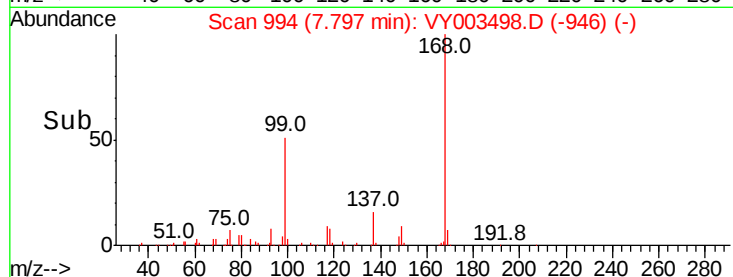
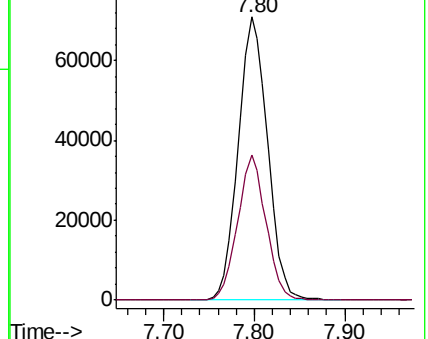
168 100

99 51.2 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: 4.734 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY003498.D

Acq: 03 Nov 2020 17:26

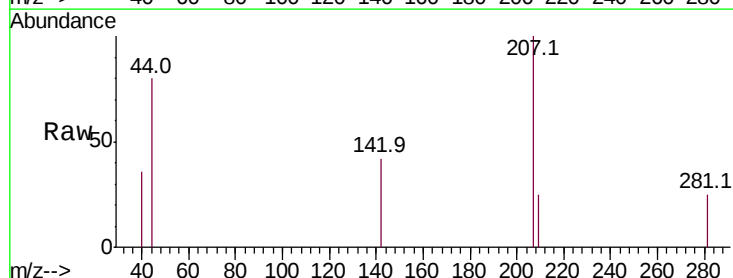
Tgt Ion:142 Resp: 192

Ion Ratio Lower Upper

142 100

127 0.0 34.5 51.7#

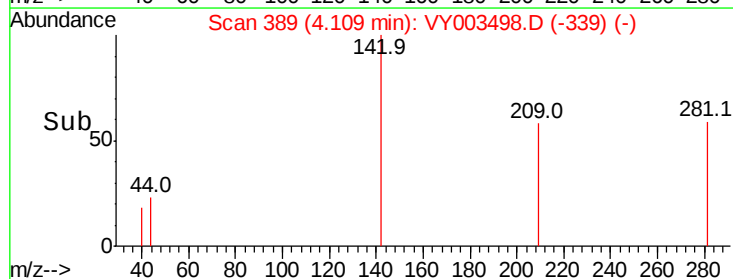
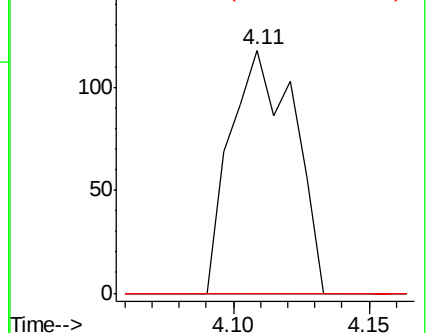
141 0.0 11.8 17.8#

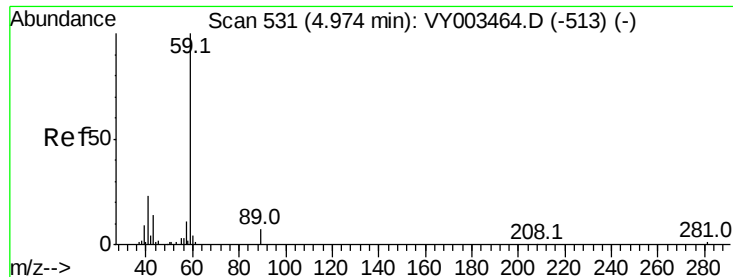


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



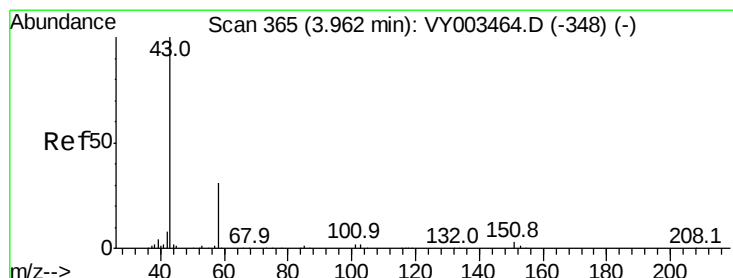
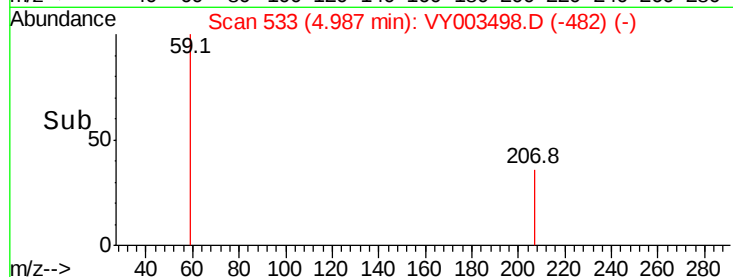
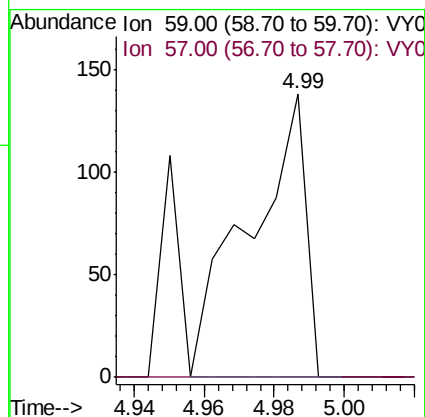
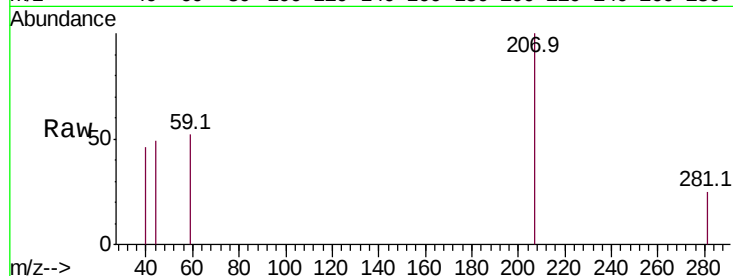


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.99 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VY003498.D
 Acq: 03 Nov 2020 17:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRT-19RE

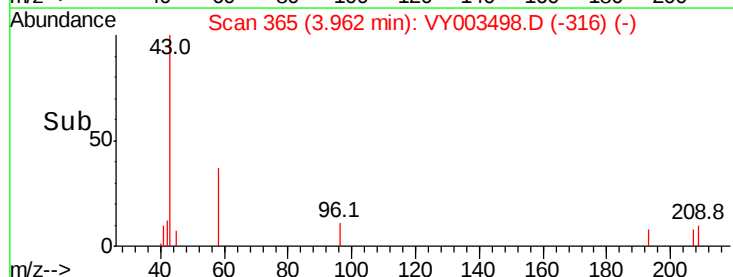
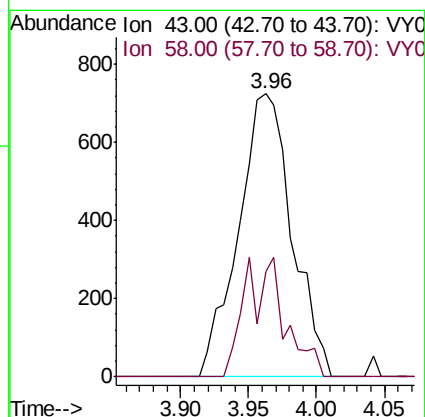
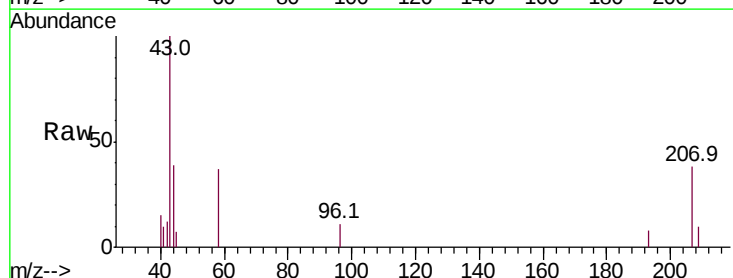
Tot Ion: 59 Resp: 155
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

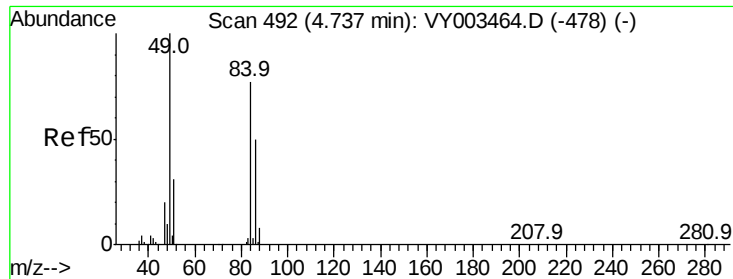


#16

Acetone
 Concen: 3.696 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VY003498.D
 Acq: 03 Nov 2020 17:26

Tgt Ion: 43 Resp: 1989
 Ion Ratio Lower Upper
 43 100
 58 37.4 25.0 37.4

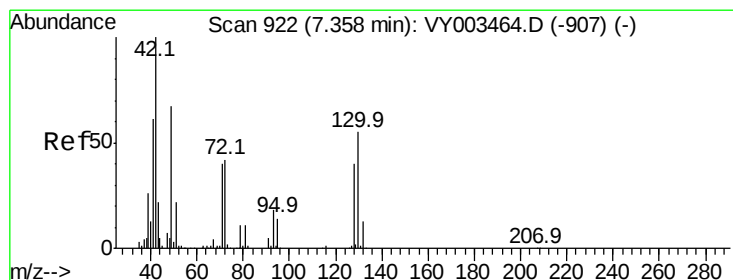
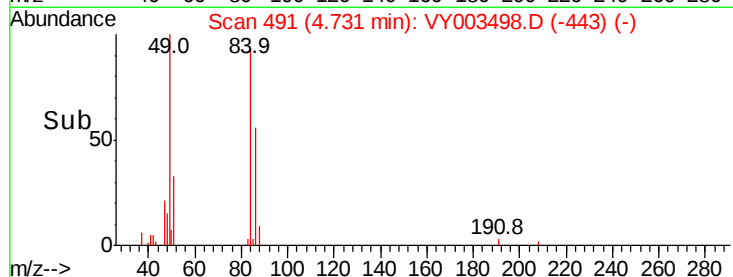
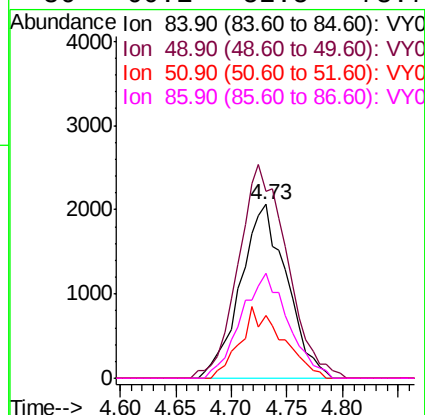
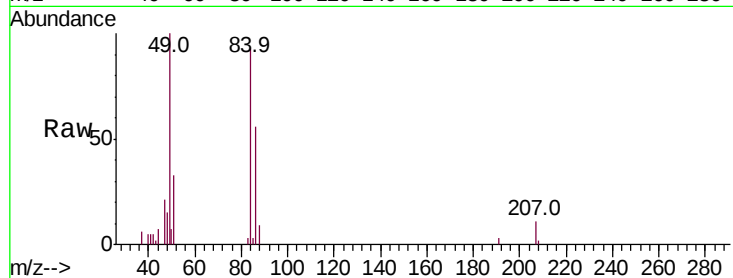




#20
Methvlene Chloride
Concen: 3.941 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY003498.D
Acq: 03 Nov 2020 17:26

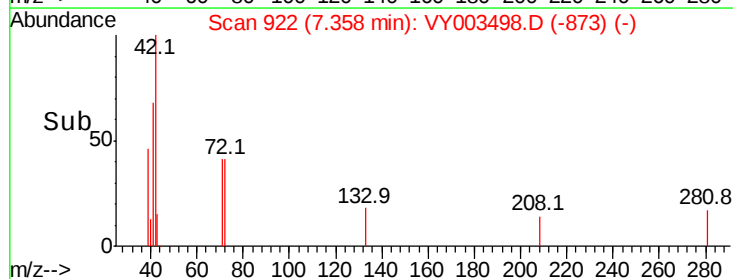
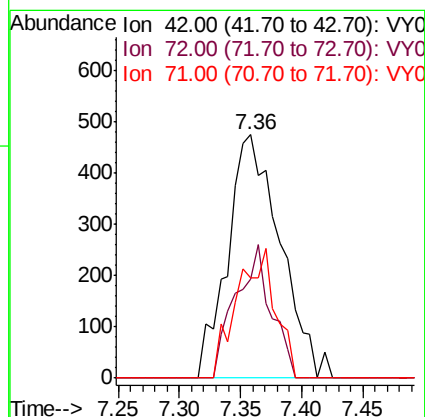
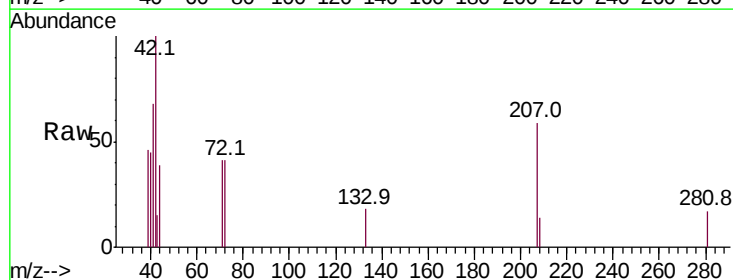
Instrument :
MSVOA_Y
ClientSampleId :
CRT-19RE

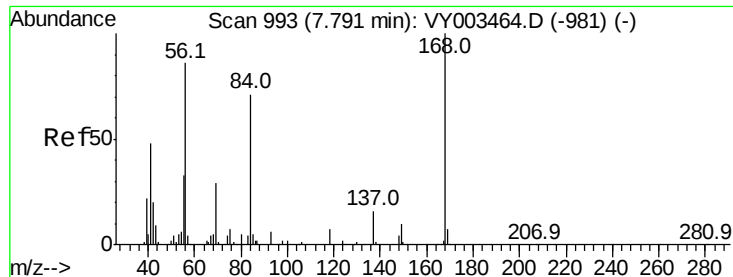
Tot Ion:	84	Resp:	5973
Ion	Ratio	Lower	Upper
84	100		
49	107.4	104.3	156.5
51	35.9	32.5	48.7
86	60.1	52.5	78.7



#29
Tetrahydrofuran
Concen: 4.032 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY003498.D
Acq: 03 Nov 2020 17:26

Tgt Ion:	42	Resp:	1418
Ion	Ratio	Lower	Upper
42	100		
72	37.1	32.8	49.2
71	39.3	30.7	46.1





#31

Cyclohexane

Concen: 1.206 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003498.D

Acq: 03 Nov 2020 17:26

Instrument :

MSVOA_Y

ClientSampleId :

CRT-19RE

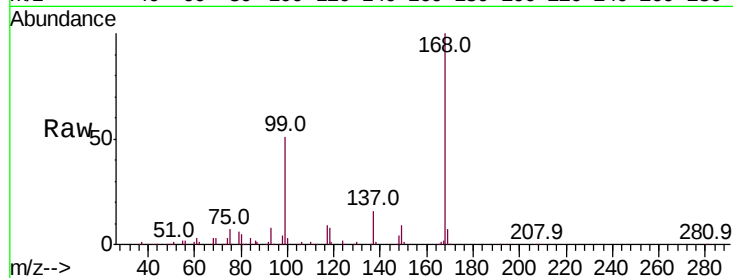
Tot Ion: 56 Resp: 2949

Ion Ratio Lower Upper

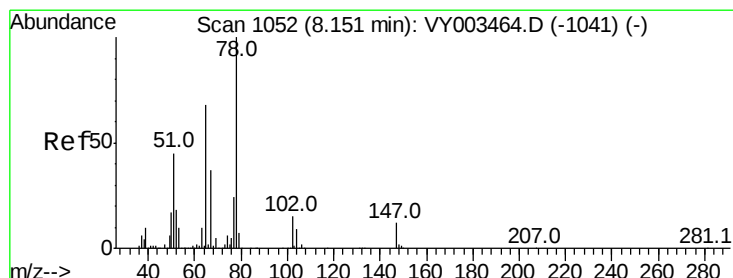
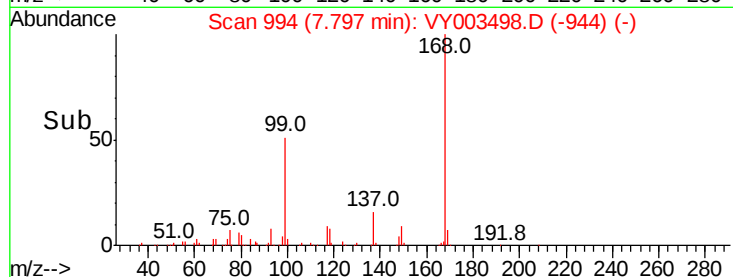
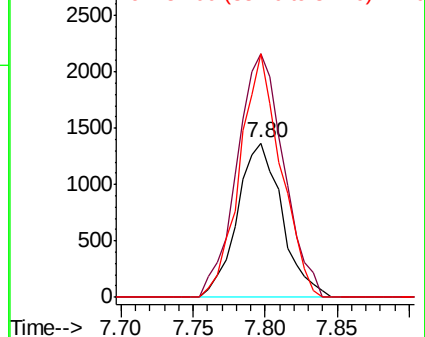
56 100

69 157.8 26.6 39.8#

84 158.1 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: 67.373 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY003498.D

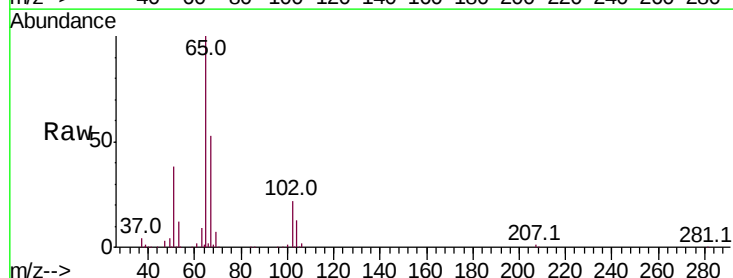
Acq: 03 Nov 2020 17:26

Tgt Ion: 65 Resp: 109906

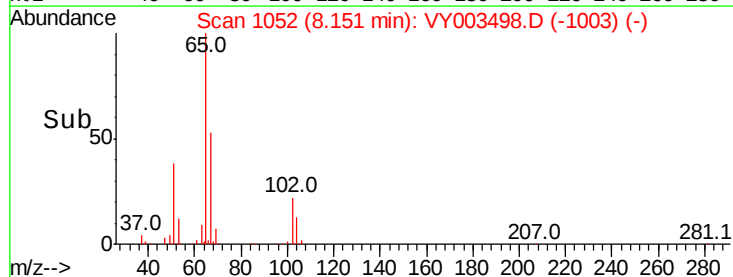
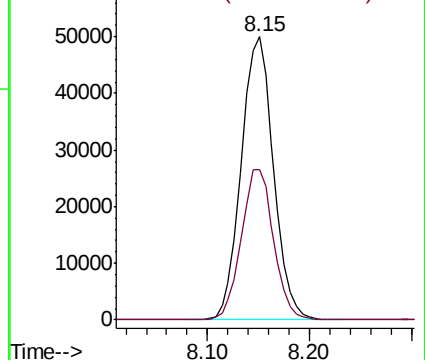
Ion Ratio Lower Upper

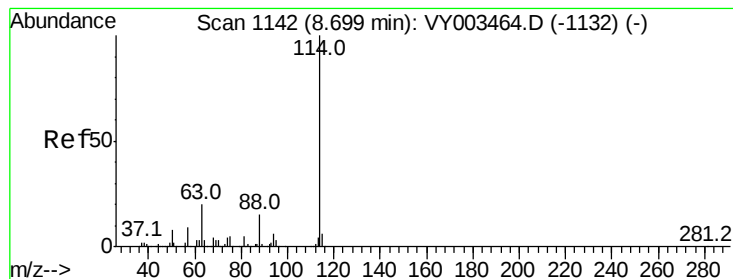
65 100

67 53.3 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: VY003498.D

Acq: 03 Nov 2020 17:26

Instrument :

MSVOA_Y

ClientSampleId :

CRT-19RE

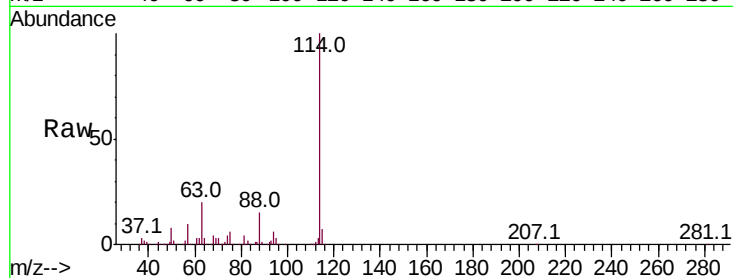
Tot Ion:114 Resp: 293173

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.6

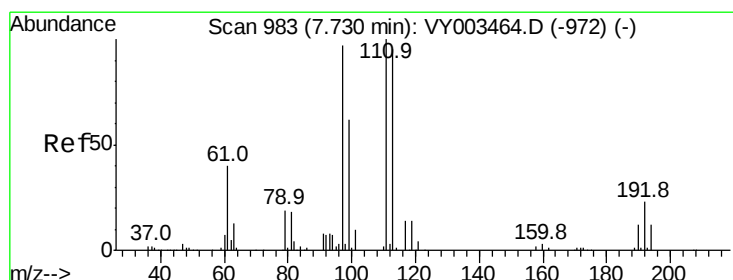
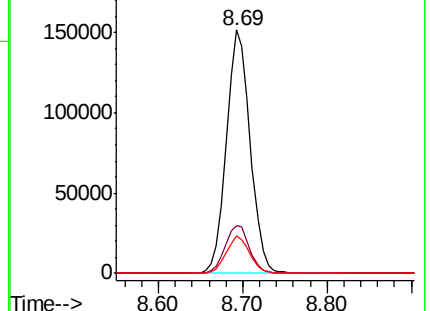
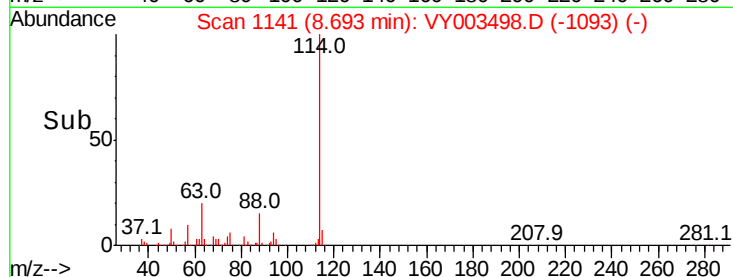
88 15.3 0.0 29.4



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: 54.047 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY003498.D

Acq: 03 Nov 2020 17:26

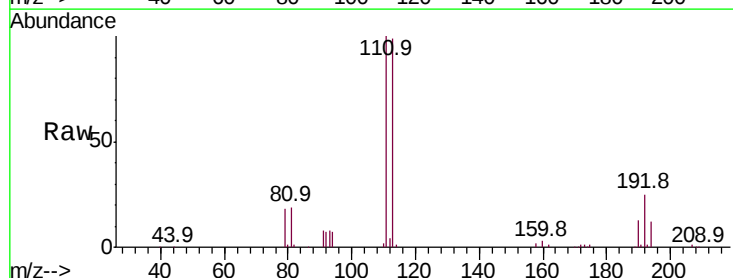
Tgt Ion:113 Resp: 96421

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.6

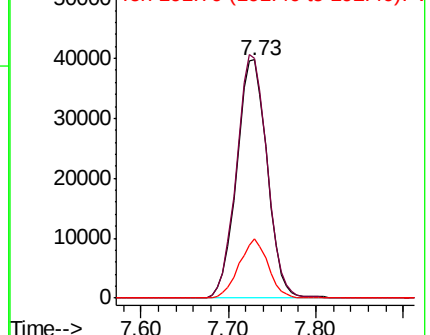
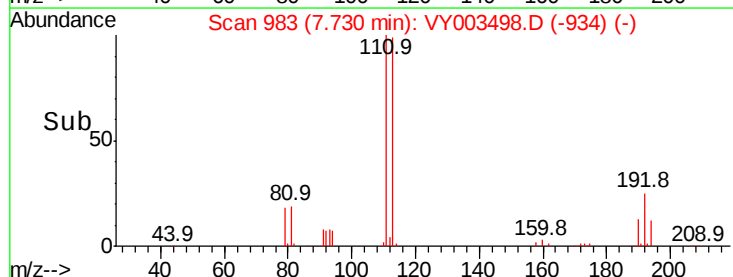
192 23.7 18.8 28.2

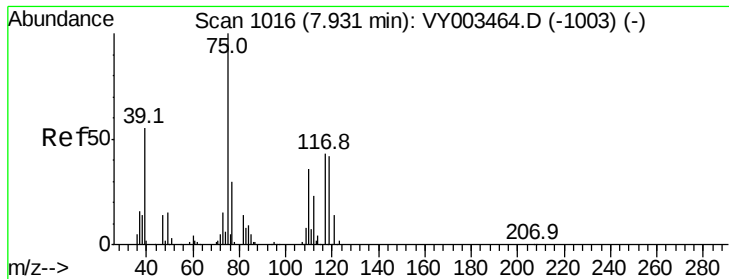


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.019 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003498.D

Acq: 03 Nov 2020 17:26

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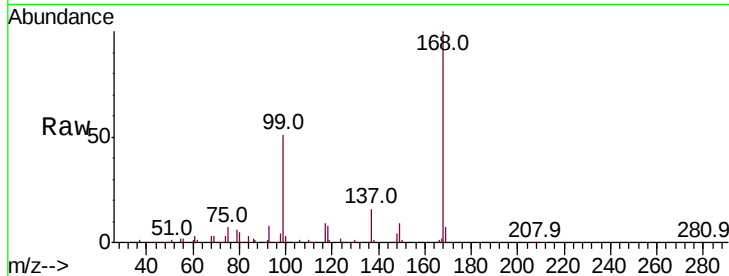
Tot Ion: 75 Resp: 11109

Ion Ratio Lower Upper

75 100

110 8.6 17.6 52.9#

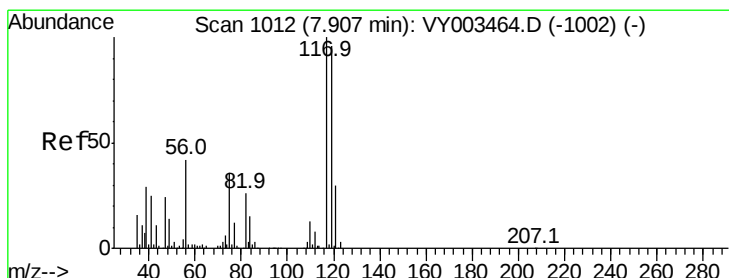
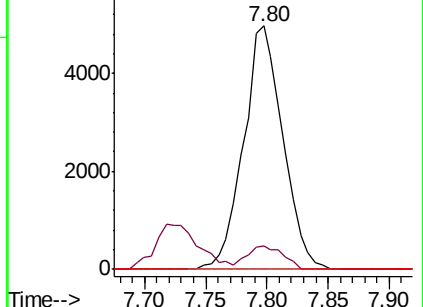
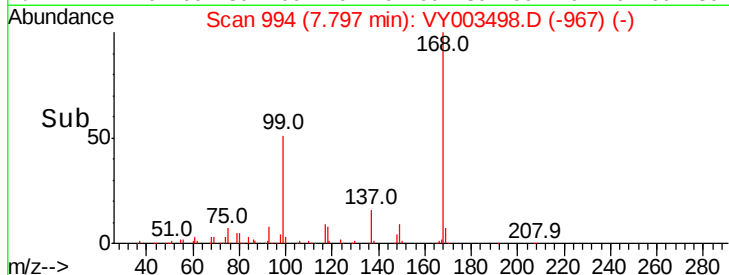
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VY003464.D (-1003) (-)

Ion 109.90 (109.60 to 110.60): VY003464.D (-1003) (-)

Ion 76.90 (76.60 to 77.60): VY003464.D (-1003) (-)



#38

Carbon Tetrachloride

Concen: 4.906 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003498.D

Acq: 03 Nov 2020 17:26

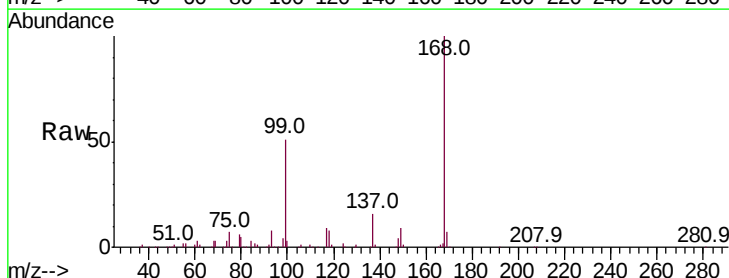
Tgt Ion: 117 Resp: 14068

Ion Ratio Lower Upper

117 100

119 6.7 76.2 114.4#

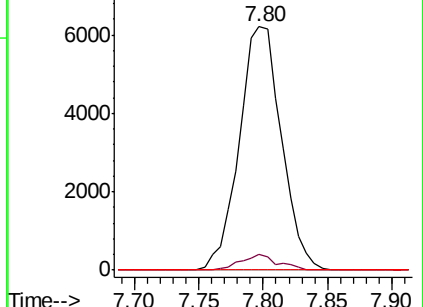
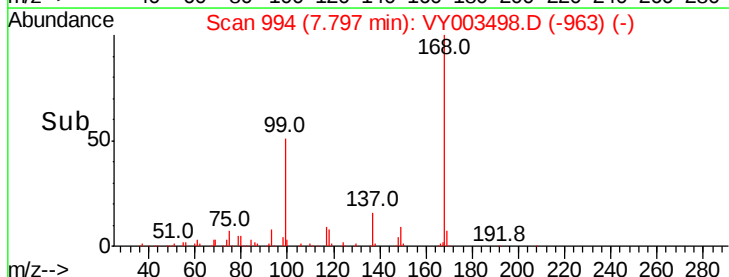
121 0.0 24.2 36.4#

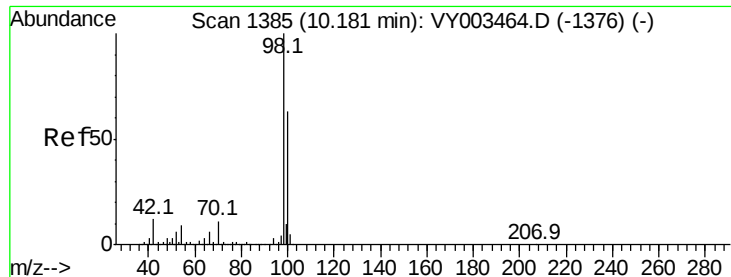


Abundance Ion 116.80 (116.50 to 117.50): VY003464.D (-1002) (-)

Ion 118.80 (118.50 to 119.50): VY003464.D (-1002) (-)

Ion 120.80 (120.50 to 121.50): VY003464.D (-1002) (-)





#50

Toluene-d8

Concen: 48.278 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003498.D

Acq: 03 Nov 2020 17:26

Instrument :

MSVOA_Y

ClientSampleId :

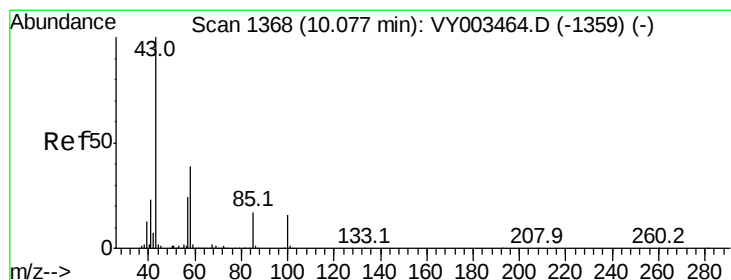
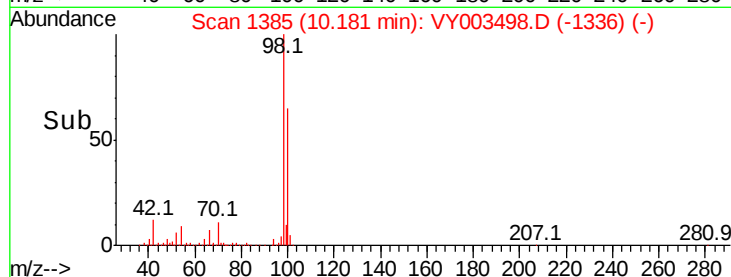
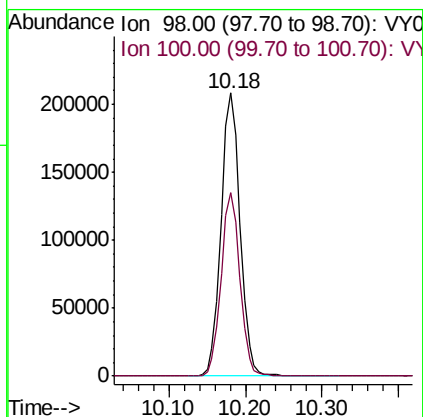
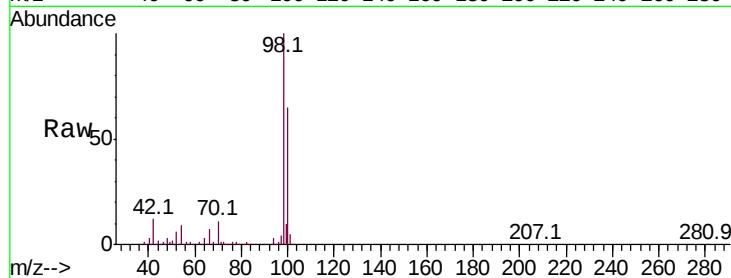
CRT-19RE

Tot Ion: 98 Resp: 358303

Ion Ratio Lower Upper

98 100

100 64.1 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 1.019 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.10 min

Lab File: VY003498.D

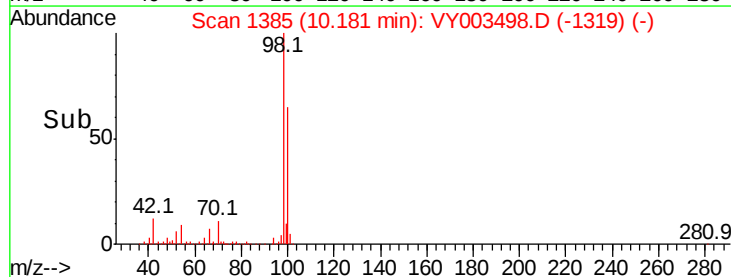
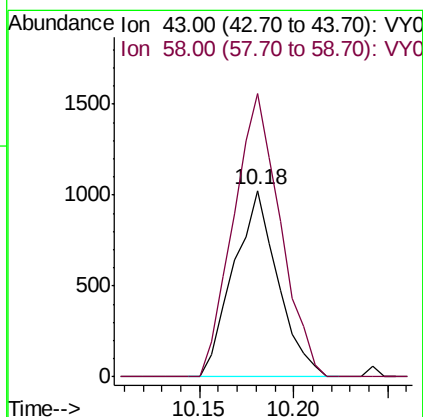
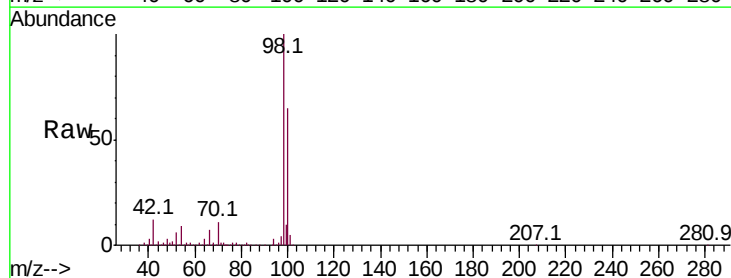
Acq: 03 Nov 2020 17:26

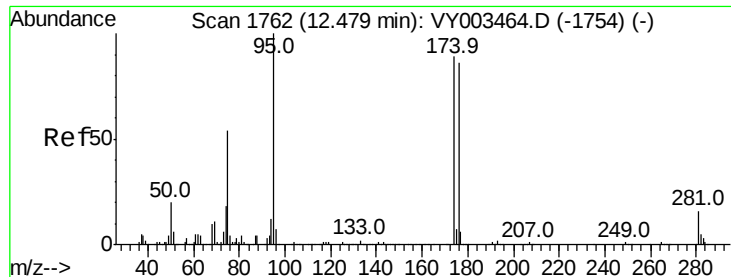
Tgt Ion: 43 Resp: 1675

Ion Ratio Lower Upper

43 100

58 160.2 31.0 46.4#

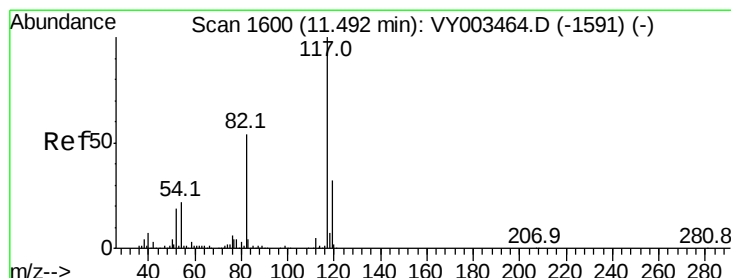
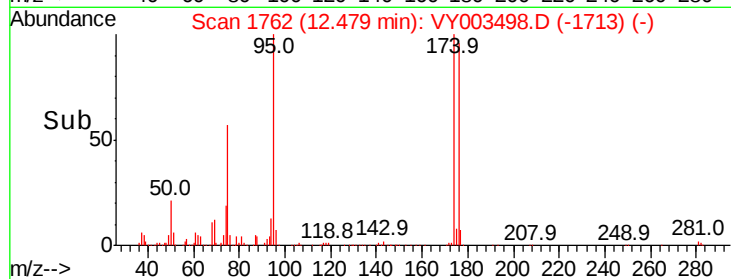
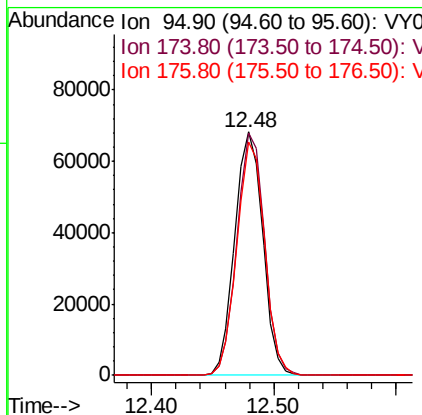
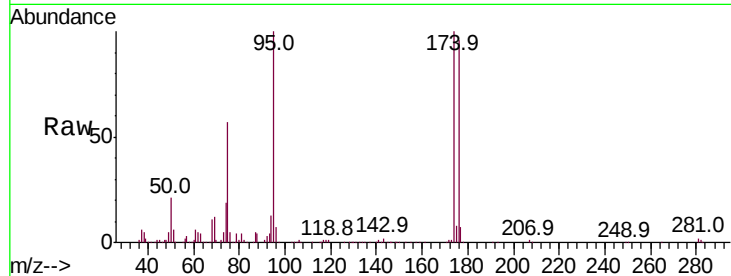




#62
4-Bromofluorobenzene
Concen: 44.055 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003498.D
Acq: 03 Nov 2020 17:26

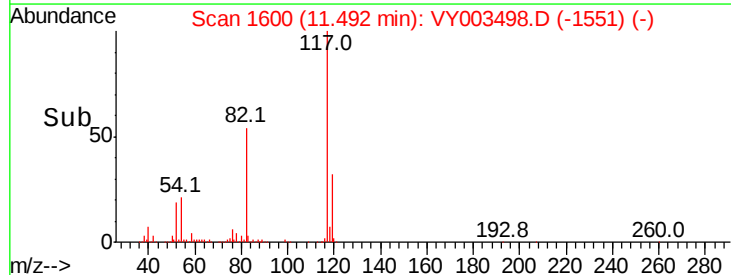
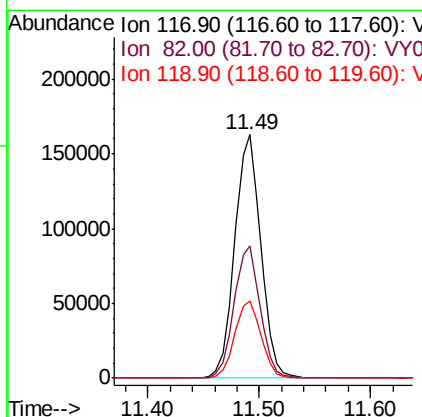
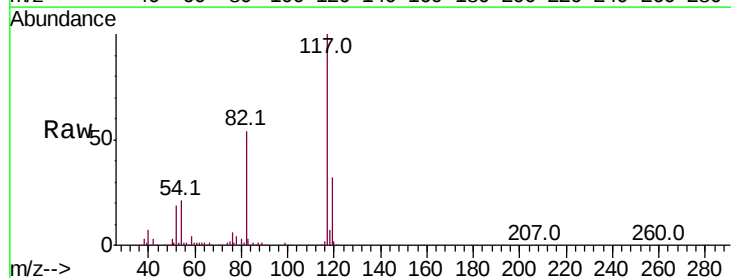
Instrument :
MSVOA_Y
ClientSampleId :
CRT-19RE

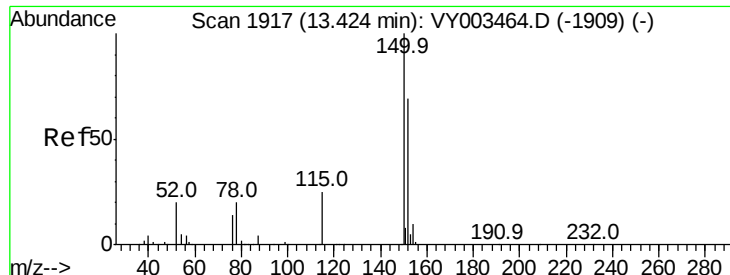
Tot Ion	Ratio	Lower	Upper
95	100		
174	98.0	0.0	193.0
176	94.8	0.0	187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003498.D
Acq: 03 Nov 2020 17:26

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.4	65.2
119	31.9	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: VY003498.D

Acq: 03 Nov 2020 17:26

Instrument :

MSVOA_Y

ClientSampleId :

CRT-19RE

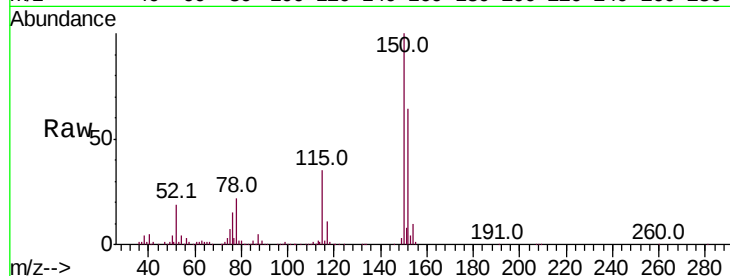
Tot Ion:152 Resp: 121025

Ion Ratio Lower Upper

152 100

115 54.4 27.5 82.4

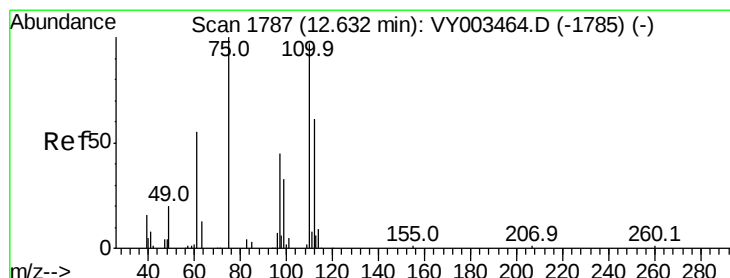
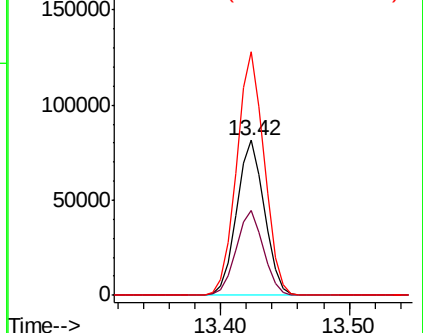
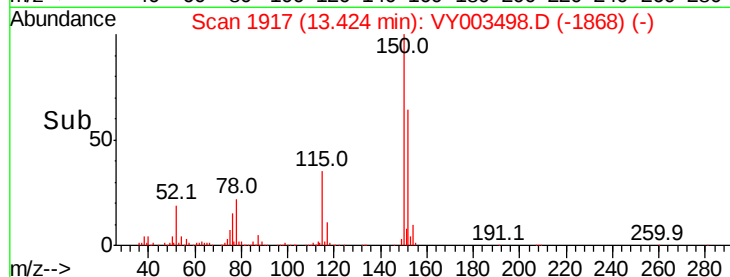
150 156.6 0.0 345.8



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: 45.211 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003498.D

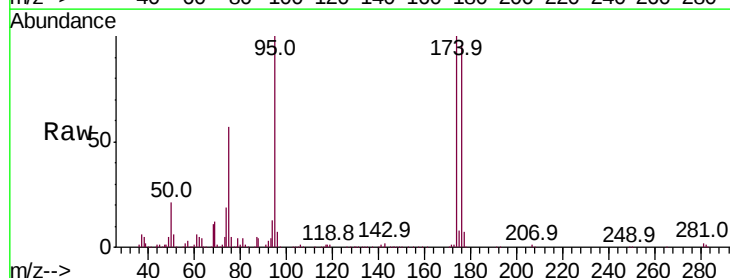
Acq: 03 Nov 2020 17:26

Tgt Ion: 75 Resp: 57894

Ion Ratio Lower Upper

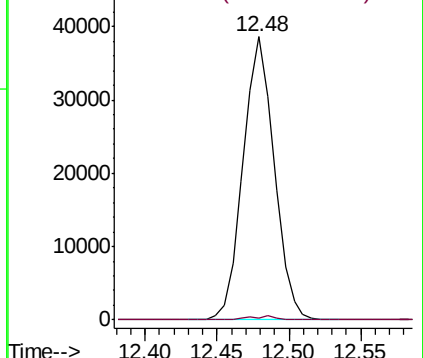
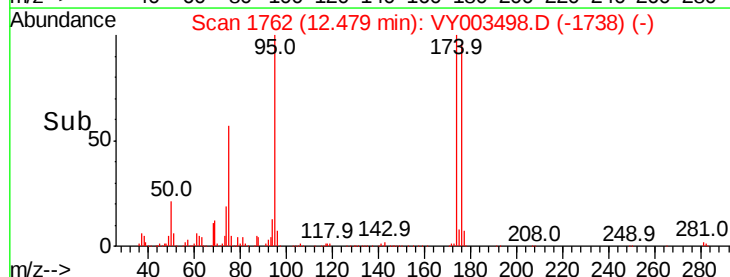
75 100

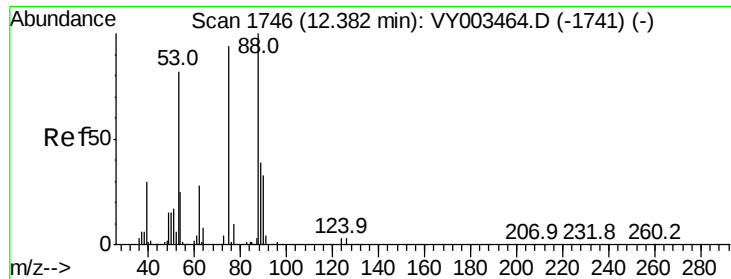
77 1.3 0.0 0.0#



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: 94.363 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003498.D

Acq: 03 Nov 2020 17:26

Instrument :

MSVOA_Y

ClientSampleId :

CRT-19RE

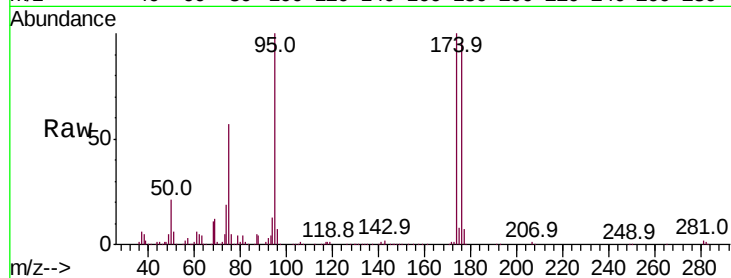
Tot Ion: 75 Resp: 57894

Ion Ratio Lower Upper

75 100

53 0.1 74.7 112.1#

89 0.0 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

