

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110320\
 Data File : VY003497.D
 Acq On : 03 Nov 2020 17:03
 Operator : SY/MD
 Sample : L4600-05RE
 Misc : 6.83G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRT-23RE

Quant Time: Nov 04 00:25:02 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	73484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	116291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	99823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	45070	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	42658	56.62	ug/l	0.00
Spiked Amount			Recovery	=	113.24%	
35) Dibromofluoromethane	7.72	113	38600	54.55	ug/l	0.00
Spiked Amount			Recovery	=	109.10%	
50) Toluene-d8	10.18	98	140693	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
62) 4-Bromofluorobenzene	12.48	95	39591	40.59	ug/l	0.00
Spiked Amount			Recovery	=	81.18%	

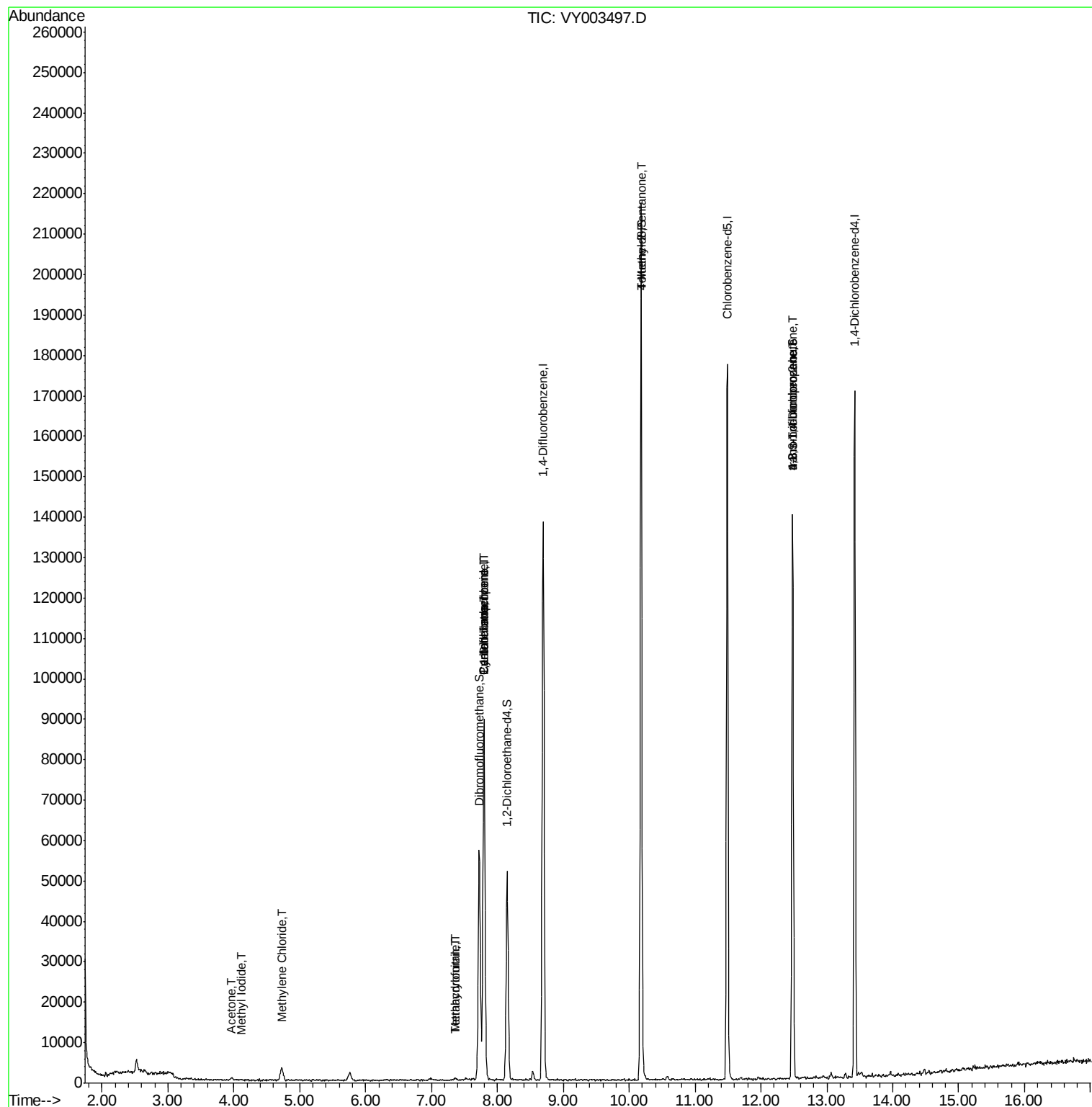
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.11	142	302	5.048	ug/l #	50
16) Acetone	3.96	43	1112	4.475	ug/l	93
20) Methylene Chloride	4.72	84	2389	3.413	ug/l #	86
29) Tetrahydrofuran	7.37	42	617	3.799	ug/l #	67
31) Cyclohexane	7.79	56	1387	1.228	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	5019	4.578	ug/l #	52
38) Carbon Tetrachloride	7.80	117	6636	5.834	ug/l #	18
41) Methacrylonitrile	7.36	41	419	1.152	ug/l #	100
51) 4-Methyl-2-Pentanone	10.17	43	706	1.083	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	20640	43.282	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	20640	90.337	ug/l #	12

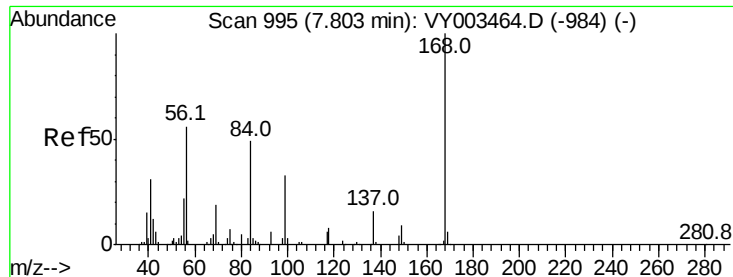
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003497.D

Acq: 03 Nov 2020 17:03

Instrument :

MSVOA_Y

ClientSampleId :

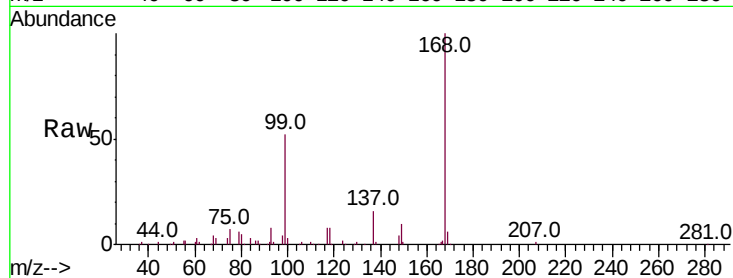
CRT-23RE

Tot Ion:168 Resp: 73484

Ion Ratio Lower Upper

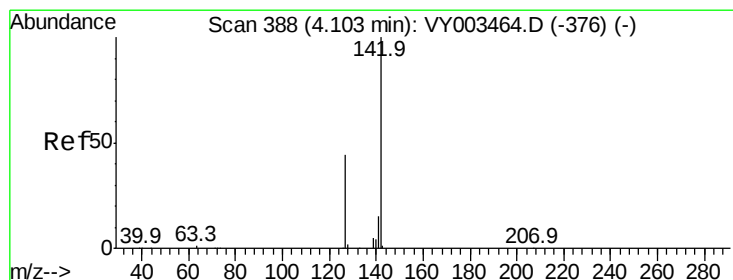
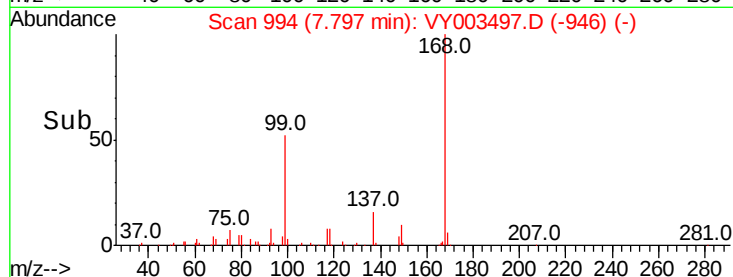
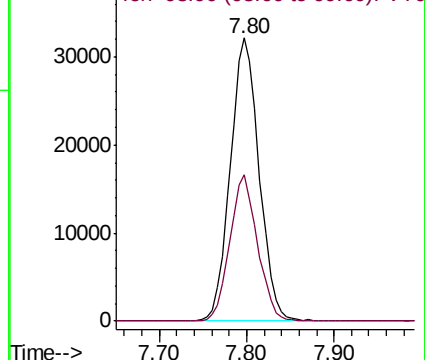
168 100

99 51.8 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: 5.048 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY003497.D

Acq: 03 Nov 2020 17:03

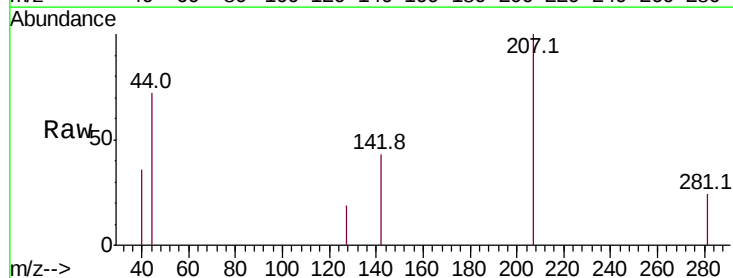
Tgt Ion:142 Resp: 302

Ion Ratio Lower Upper

142 100

127 7.6 34.5 51.7#

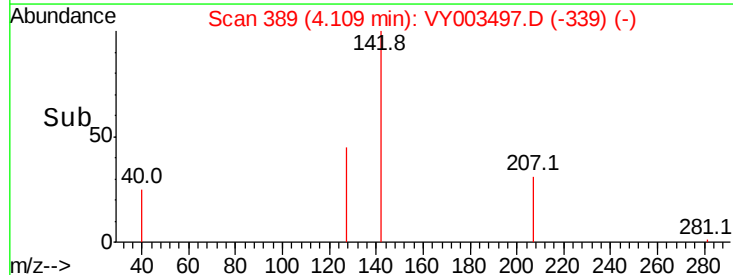
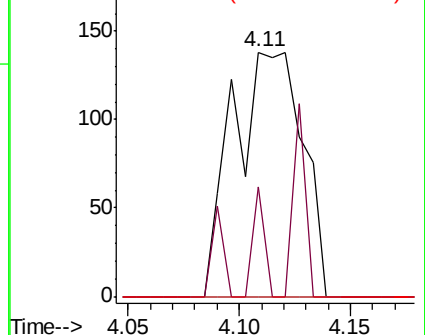
141 0.0 11.8 17.8#

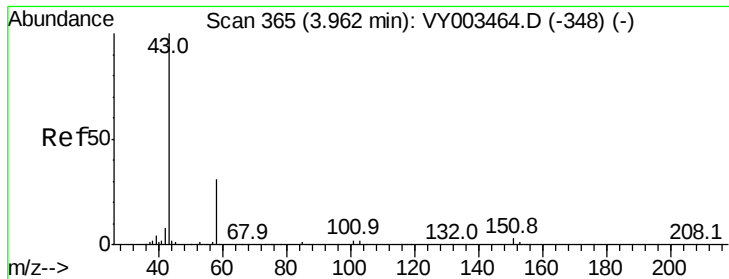


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

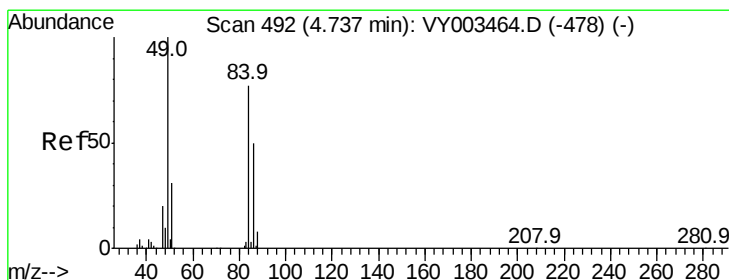
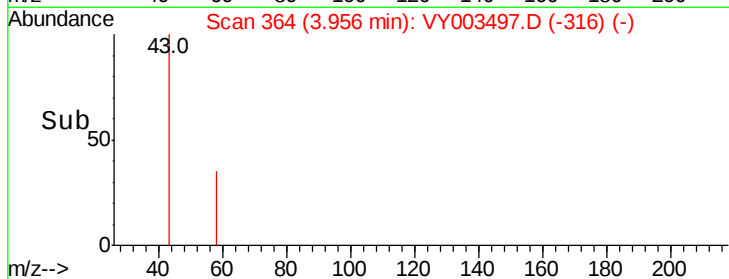
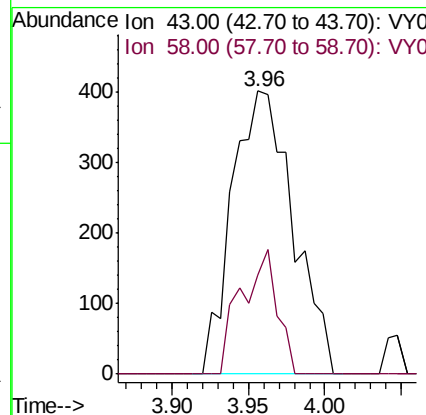
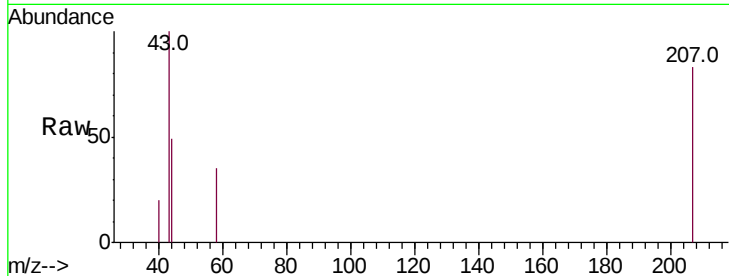




#16
Acetone
Concen: 4.475 ug/l
RT: 3.96 min Scan# 364
Delta R.T. -0.01 min
Lab File: VY003497.D
Acq: 03 Nov 2020 17:03

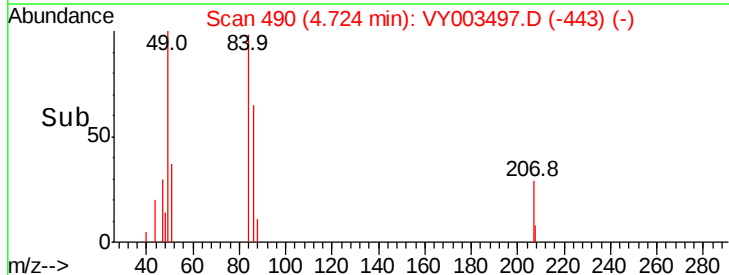
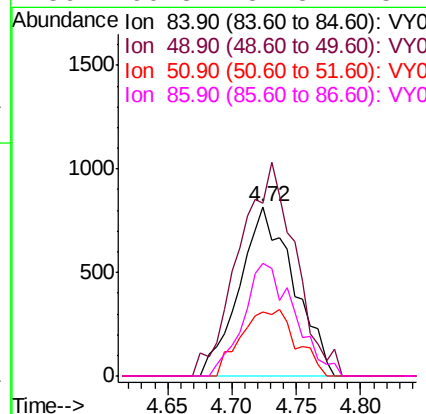
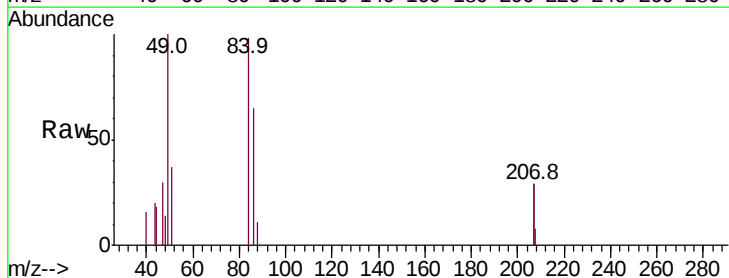
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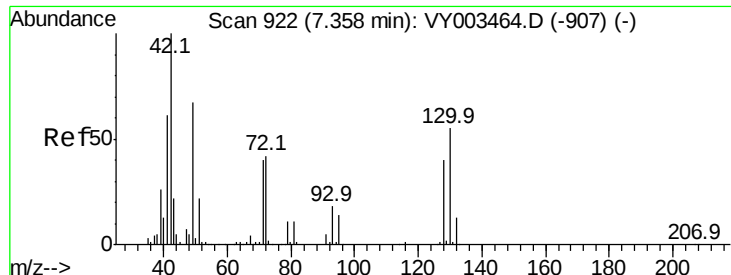
Tot Ion: 43 Resp: 1112
Ion Ratio Lower Upper
43 100
58 35.1 25.0 37.4



#20
Methylene Chloride
Concen: 3.413 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY003497.D
Acq: 03 Nov 2020 17:03

Tgt Ion: 84 Resp: 2389
Ion Ratio Lower Upper
84 100
49 102.4 104.3 156.5#
51 37.8 32.5 48.7
86 66.3 52.5 78.7

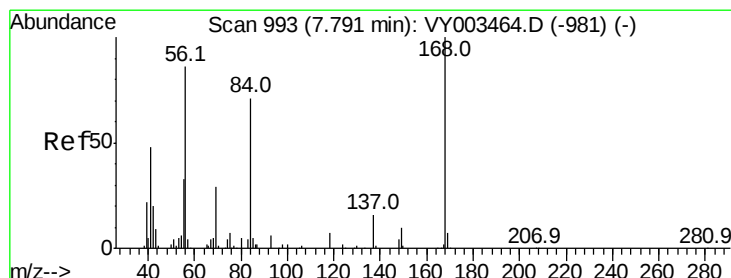
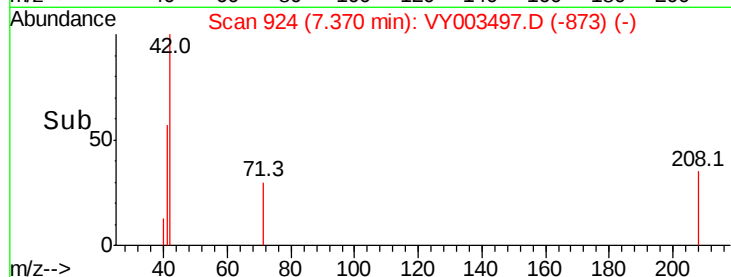
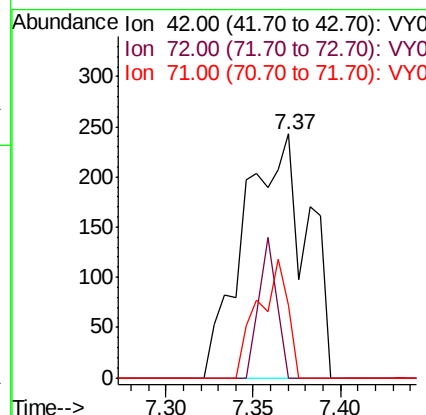
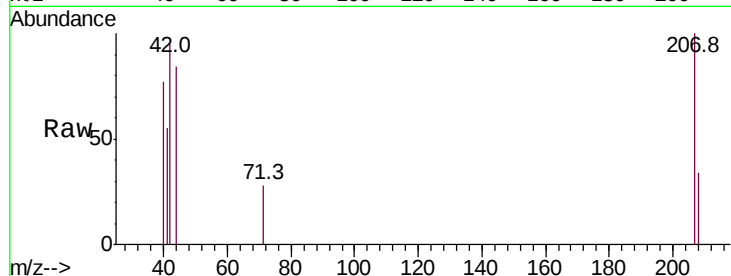




#29
Tetrahydrofuran
Concen: 3.799 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY003497.D
Acq: 03 Nov 2020 17:03

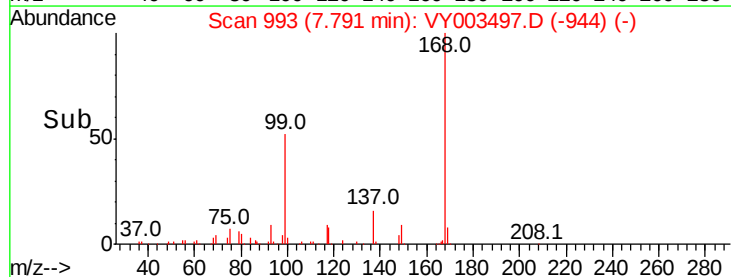
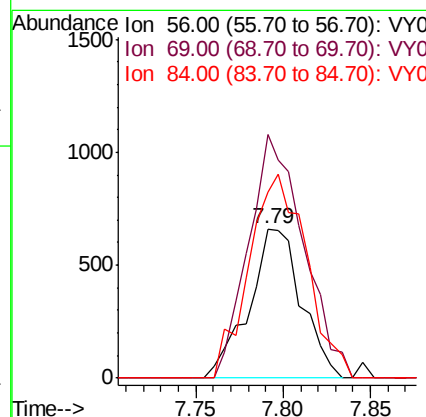
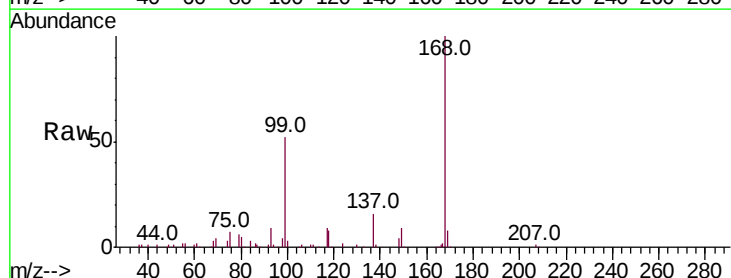
Instrument :
MSVOA_Y
ClientSampleId :
CRT-23RE

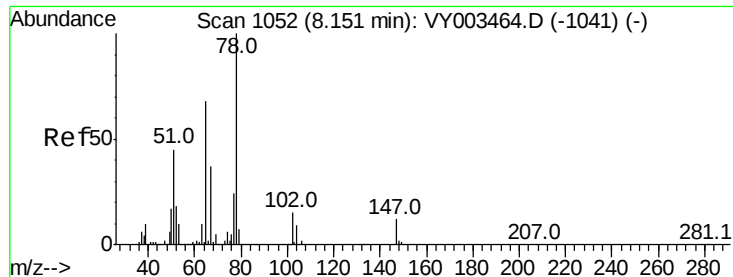
Tot Ion: 42 Resp: 617
Ion Ratio Lower Upper
42 100
72 16.0 32.8 49.2#
71 22.9 30.7 46.1#



#31
Cyclohexane
Concen: 1.228 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003497.D
Acq: 03 Nov 2020 17:03

Tgt Ion: 56 Resp: 1387
Ion Ratio Lower Upper
56 100
69 163.1 26.6 39.8#
84 124.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 56.625 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY003497.D

Acq: 03 Nov 2020 17:03

Instrument :

MSVOA_Y

ClientSampleId :

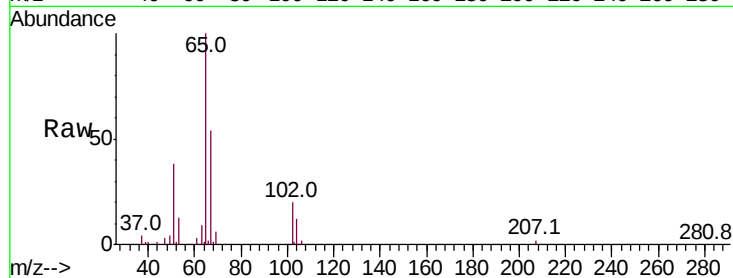
CRT-23RE

Tot Ion: 65 Resp: 42658

Ion Ratio Lower Upper

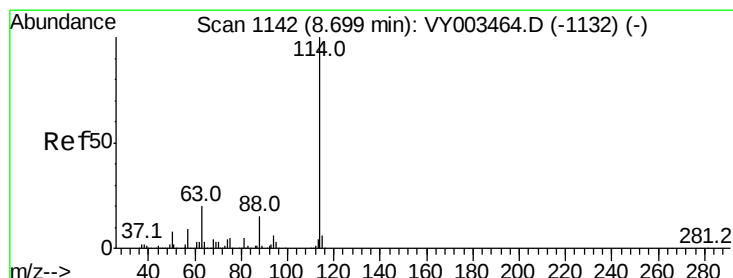
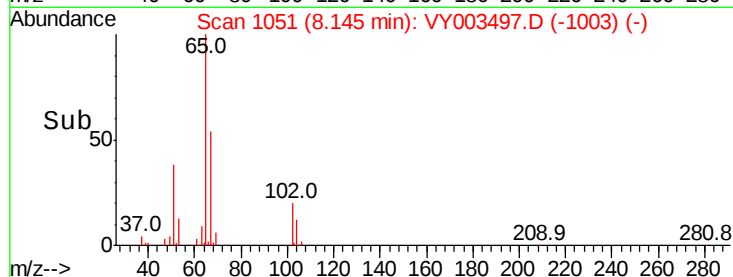
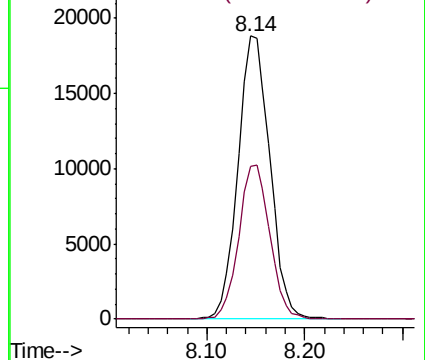
65 100

67 53.0 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: VY003497.D

Acq: 03 Nov 2020 17:03

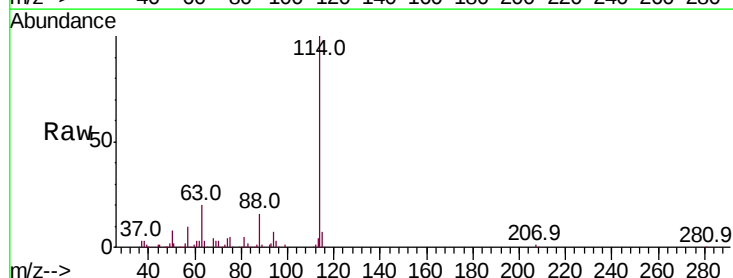
Tgt Ion:114 Resp: 116291

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.6

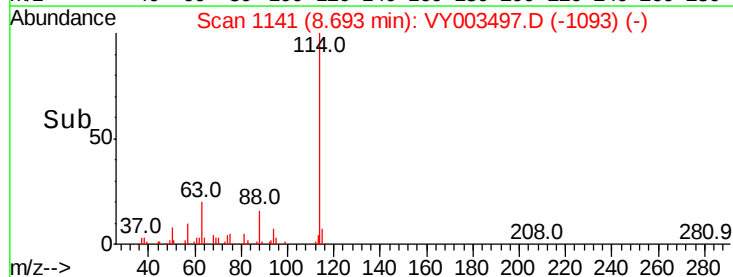
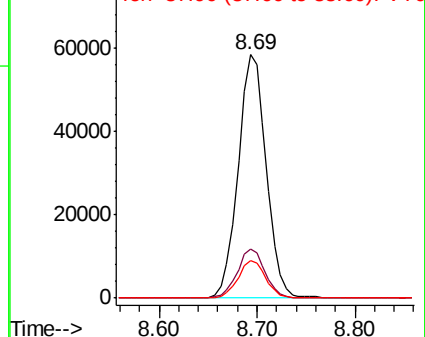
88 15.6 0.0 29.4

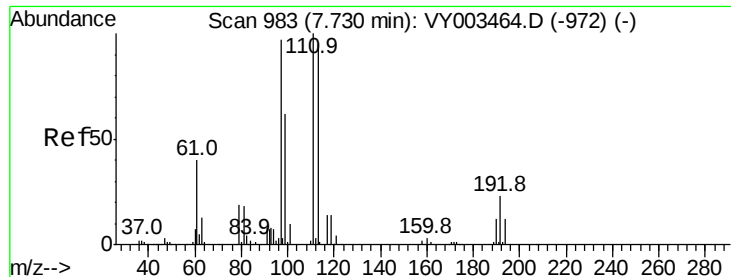


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 54.546 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY003497.D

Acq: 03 Nov 2020 17:03

Instrument :

MSVOA_Y

ClientSampleId :

CRT-23RE

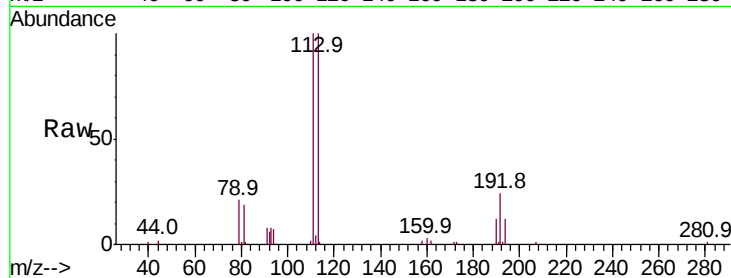
Tot Ion:113 Resp: 38600

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.6

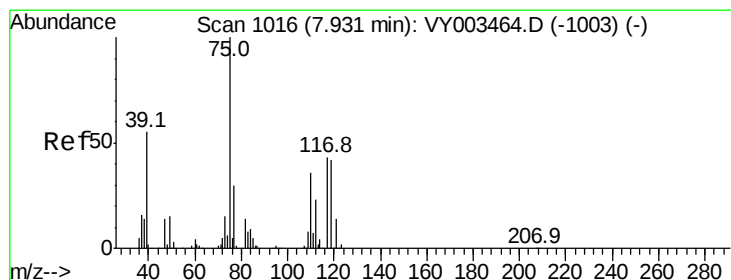
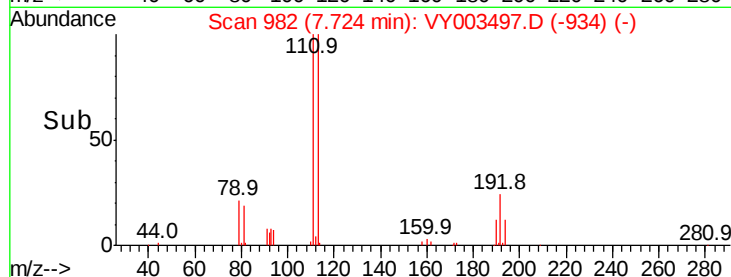
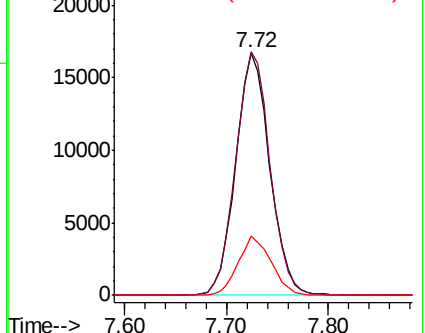
192 23.7 18.8 28.2



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: 4.578 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003497.D

Acq: 03 Nov 2020 17:03

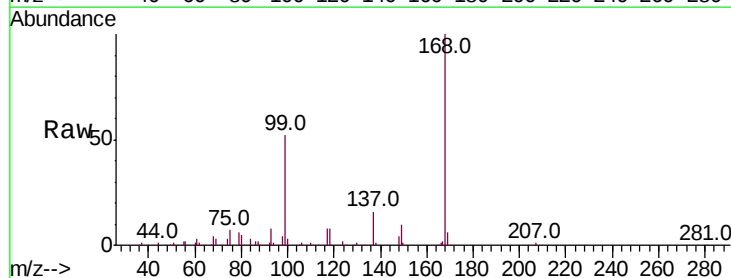
Tgt Ion: 75 Resp: 5019

Ion Ratio Lower Upper

75 100

110 11.9 17.6 52.9#

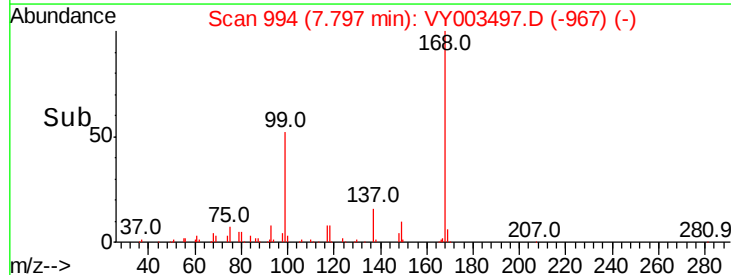
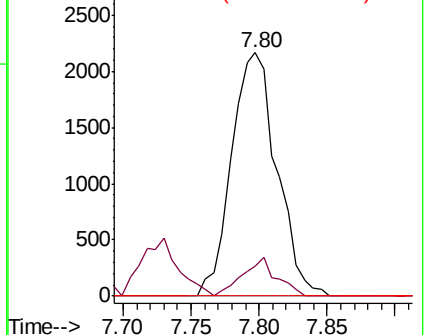
77 0.0 24.7 37.1#

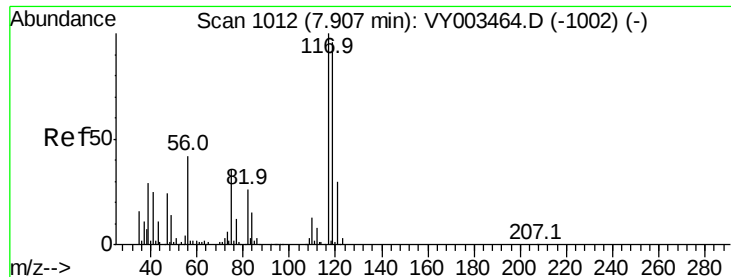


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 5.834 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.10 min

Lab File: VY003497.D

Acq: 03 Nov 2020 17:03

Instrument :

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CRT-23RE

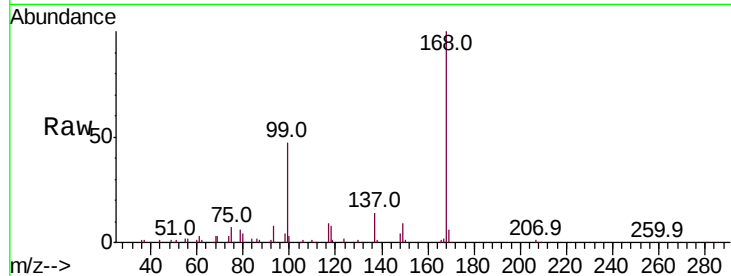
Tot Ion:117 Resp: 6636

Ion Ratio Lower Upper

117 100

119 7.8 76.2 114.4#

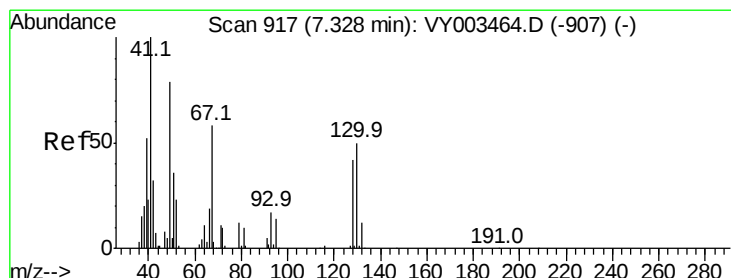
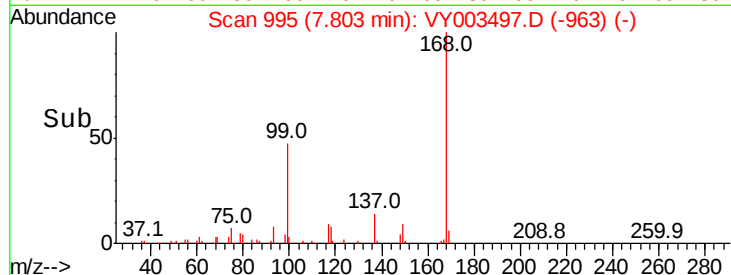
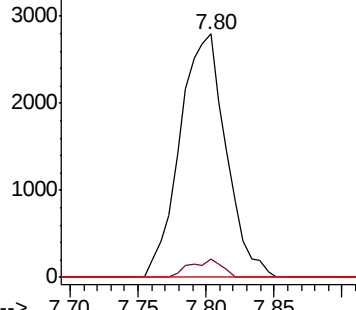
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 1.152 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.03 min

Lab File: VY003497.D

Acq: 03 Nov 2020 17:03

Tgt Ion: 41 Resp: 419

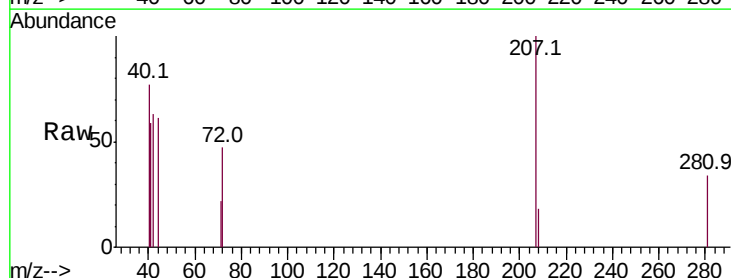
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

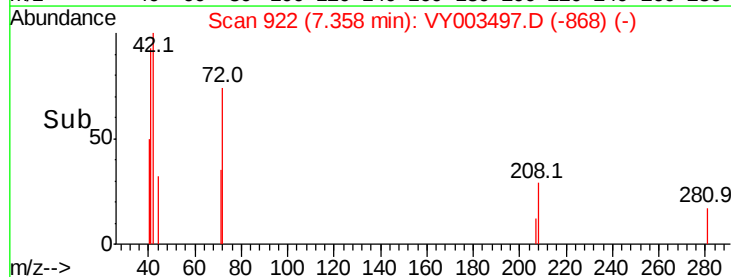
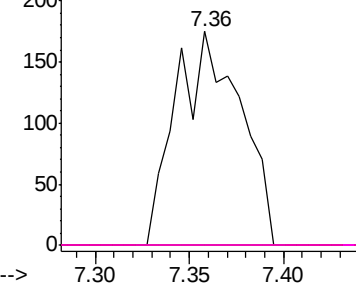


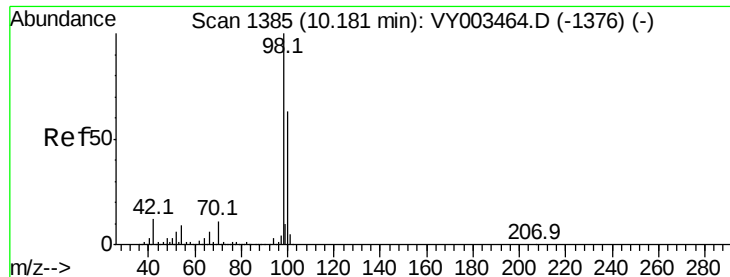
Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#50

Toluene-d8

Concen: 47.791 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003497.D

Acq: 03 Nov 2020 17:03

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ClientSampleId :

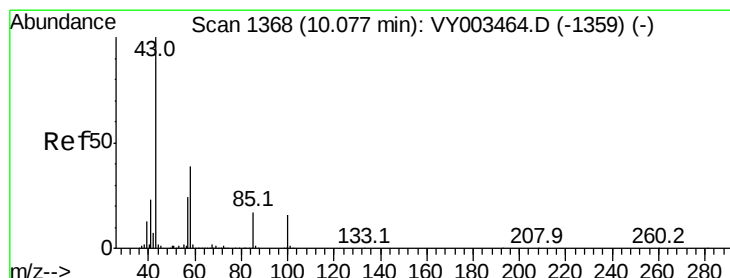
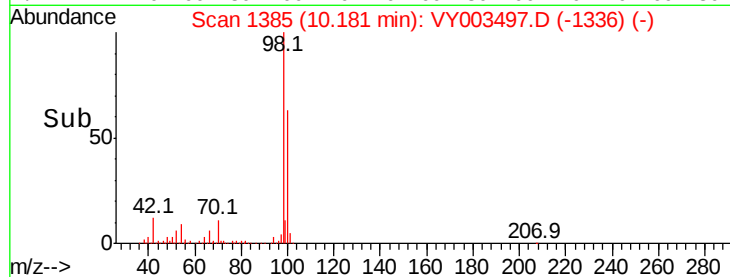
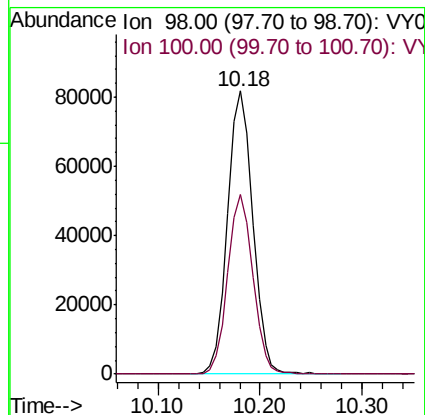
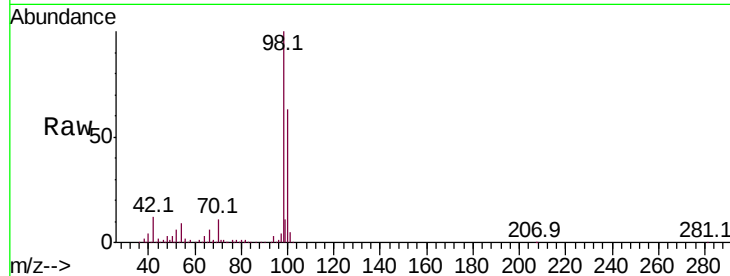
CRT-23RE

Tot Ion: 98 Resp: 140693

Ion Ratio Lower Upper

98 100

100 63.1 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 1.083 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.10 min

Lab File: VY003497.D

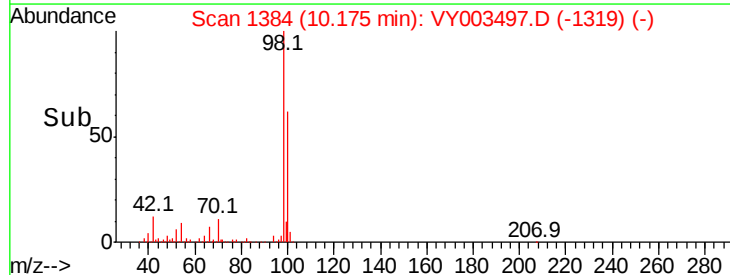
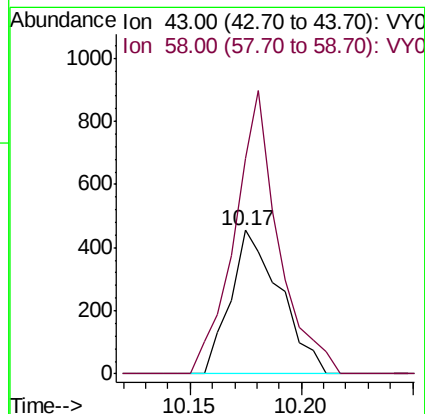
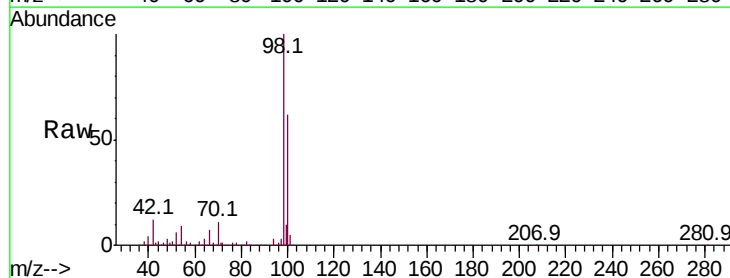
Acq: 03 Nov 2020 17:03

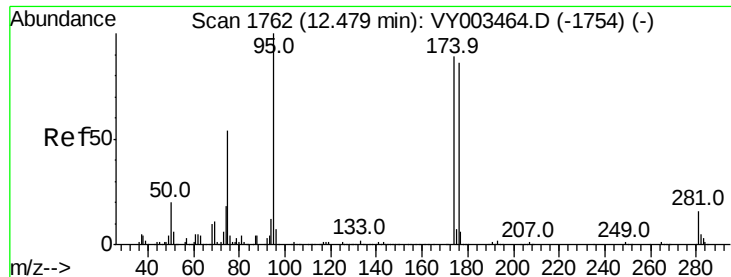
Tgt Ion: 43 Resp: 706

Ion Ratio Lower Upper

43 100

58 175.4 31.0 46.4#

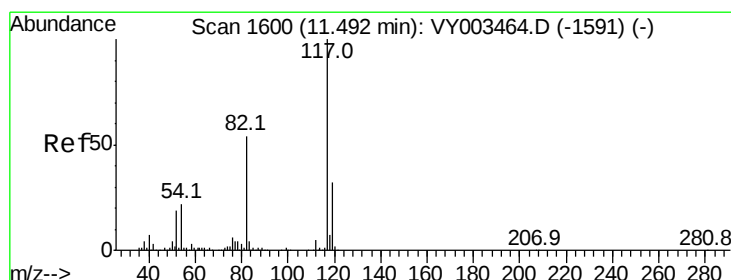
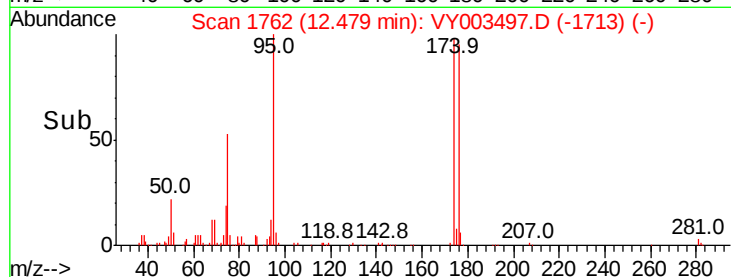
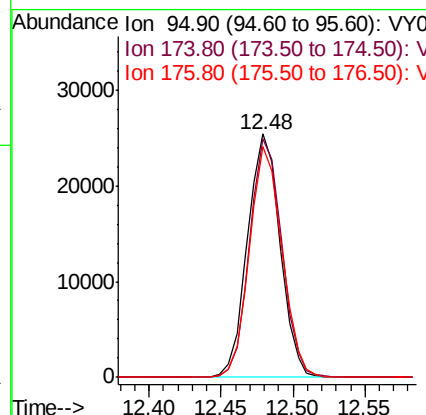
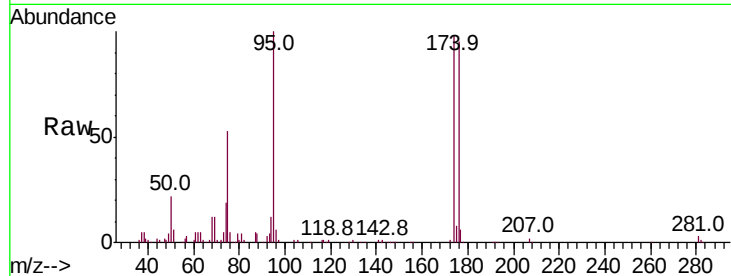




#62
4-Bromofluorobenzene
Concen: 40.589 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003497.D
Acq: 03 Nov 2020 17:03

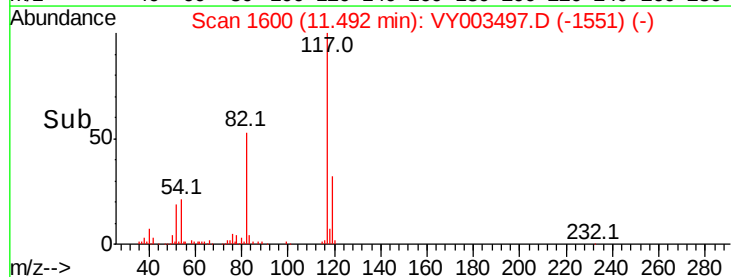
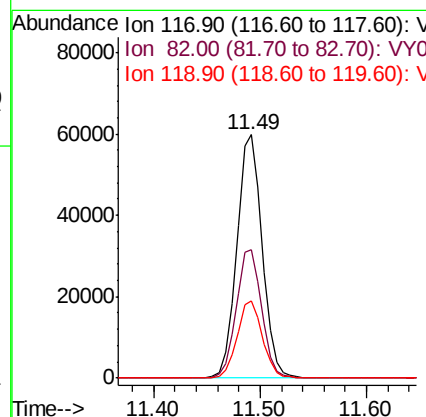
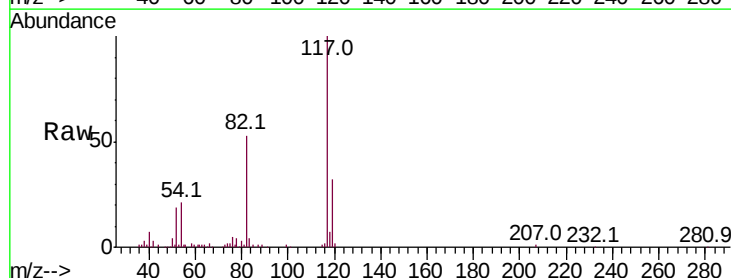
Instrument :
MSVOA_Y
ClientSampleId :
CRT-23RE

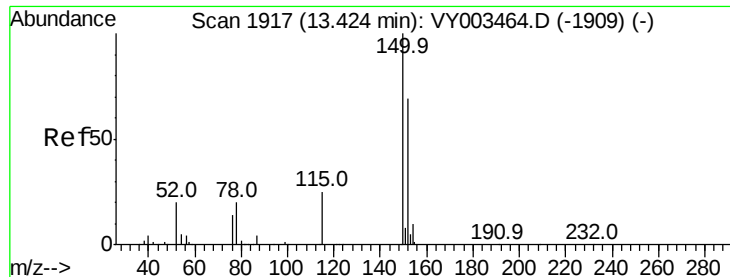
Tot Ion: 95 Resp: 39591
Ion Ratio Lower Upper
95 100
174 97.1 0.0 193.0
176 94.5 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003497.D
Acq: 03 Nov 2020 17:03

Tgt Ion: 117 Resp: 99823
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.2
119 31.8 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: VY003497.D

Acq: 03 Nov 2020 17:03

Instrument :

MSVOA_Y

ClientSampleId :

CRT-23RE

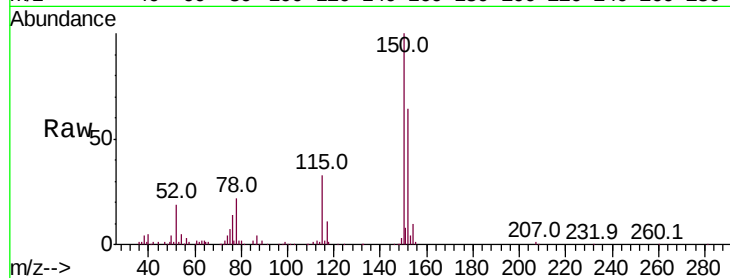
Tot Ion:152 Resp: 45070

Ion Ratio Lower Upper

152 100

115 54.0 27.5 82.4

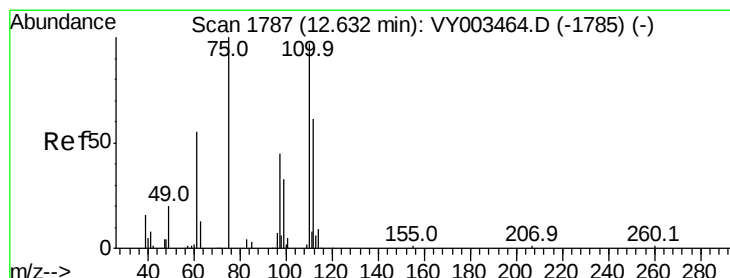
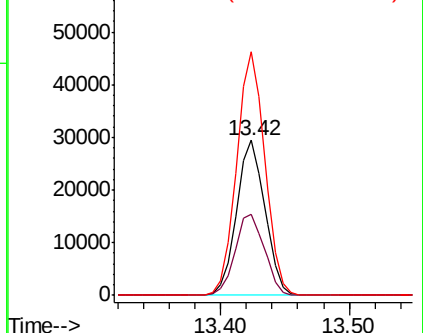
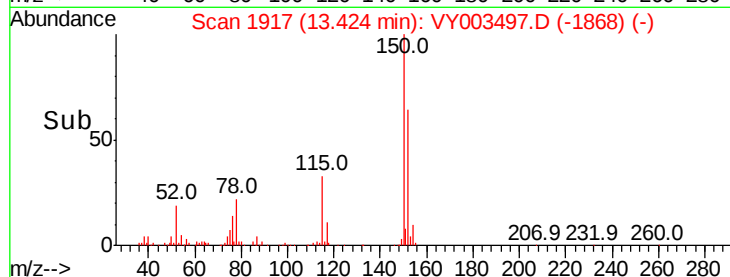
150 155.3 0.0 345.8



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: 43.282 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003497.D

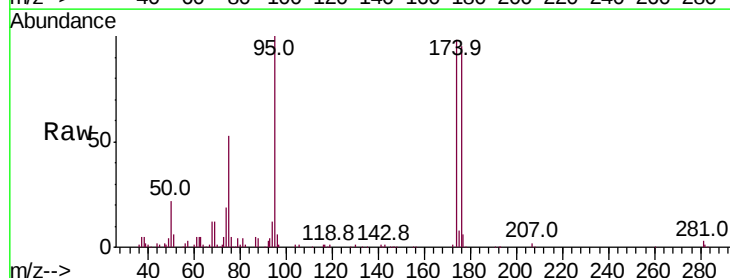
Acq: 03 Nov 2020 17:03

Tgt Ion: 75 Resp: 20640

Ion Ratio Lower Upper

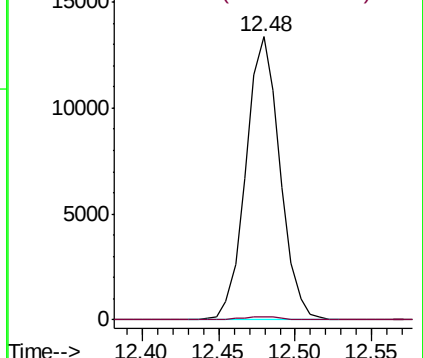
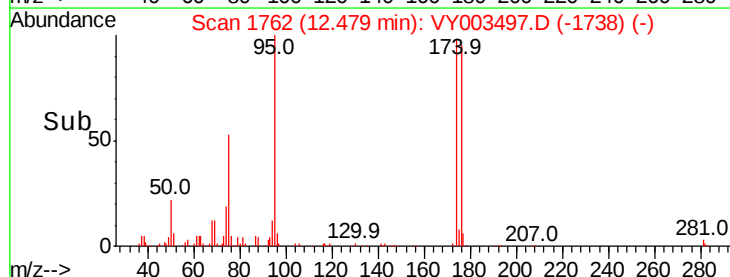
75 100

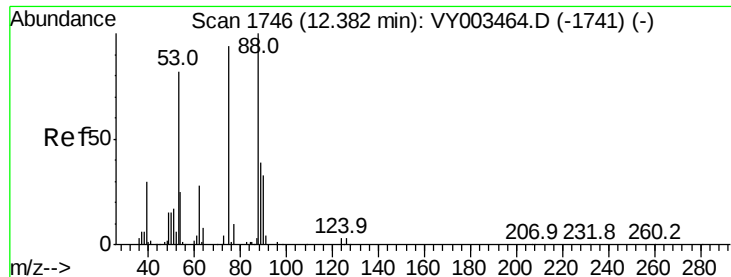
77 1.2 0.0 0.0#



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: 90.337 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003497.D

Acq: 03 Nov 2020 17:03

Instrument :

MSVOA_Y

ClientSampleId :

CRT-23RE

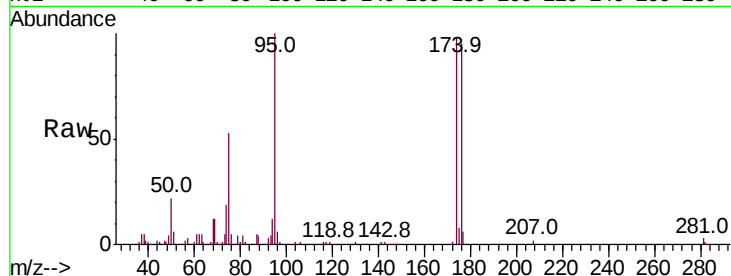
Tot Ion: 75 Resp: 20640

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): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

