

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110320\
 Data File : VY003496.D
 Acq On : 03 Nov 2020 16:40
 Operator : SY/MD
 Sample : L4600-01RE
 Misc : 5.01G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRT-17RE

Quant Time: Nov 04 00:24:53 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	169130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	309588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	273460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	128414	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	114820	66.22	ug/l	0.00
Spiked Amount			Recovery	=	132.44%	
35) Dibromofluoromethane	7.73	113	100461	53.33	ug/l	0.00
Spiked Amount			Recovery	=	106.66%	
50) Toluene-d8	10.18	98	373048	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	
62) 4-Bromofluorobenzene	12.48	95	114353	44.04	ug/l	0.00
Spiked Amount			Recovery	=	88.08%	

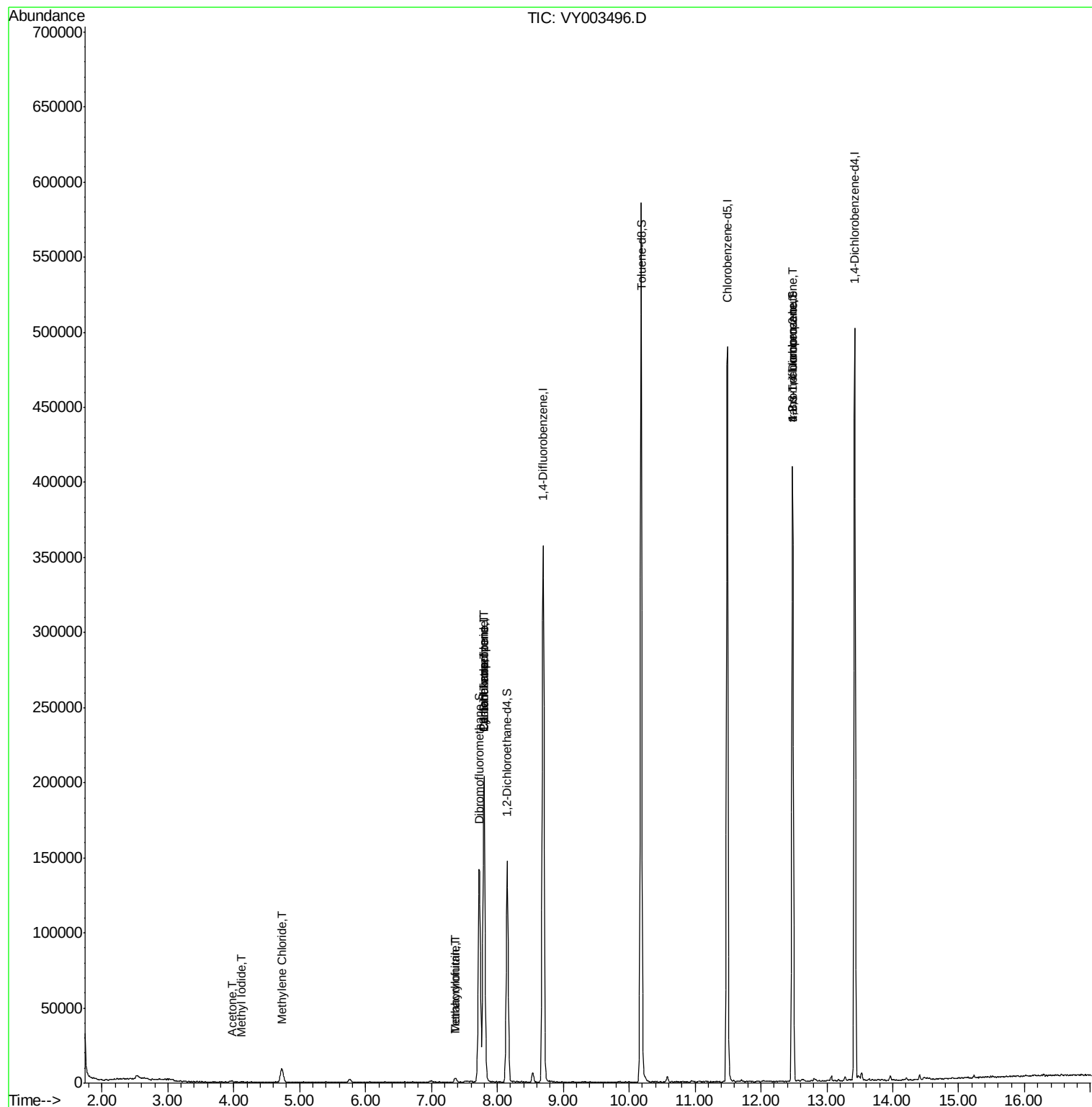
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.11	142	252	4.765	ug/l #	50
11) Tert butyl alcohol	4.98	59	19	Below Cal	#	73
16) Acetone	3.96	43	1498	2.619	ug/l	93
20) Methylene Chloride	4.72	84	6775	4.206	ug/l	95
29) Tetrahydrofuran	7.36	42	2050	5.484	ug/l	95
31) Cyclohexane	7.79	56	3090	1.189	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	11801	4.043	ug/l #	50
38) Carbon Tetrachloride	7.80	117	14711	4.858	ug/l #	16
41) Methacrylonitrile	7.36	41	1361	1.406	ug/l #	100
76) 1,2,3-Trichloropropane	12.48	75	60803	44.750	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	60803	93.402	ug/l #	12

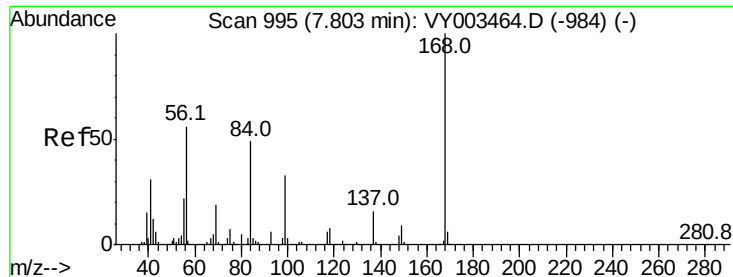
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 02 12:40:51 2020
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: VY003496.D

Acq: 03 Nov 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

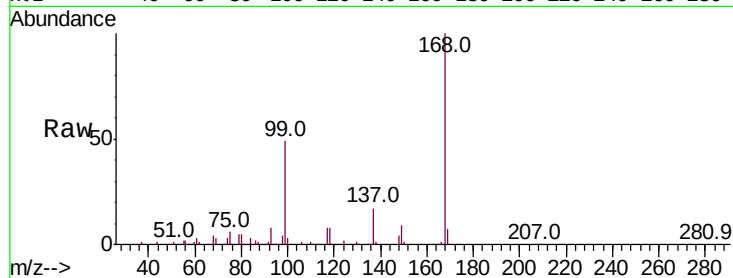
CRT-17RE

Tot Ion:168 Resp: 169130

Ion Ratio Lower Upper

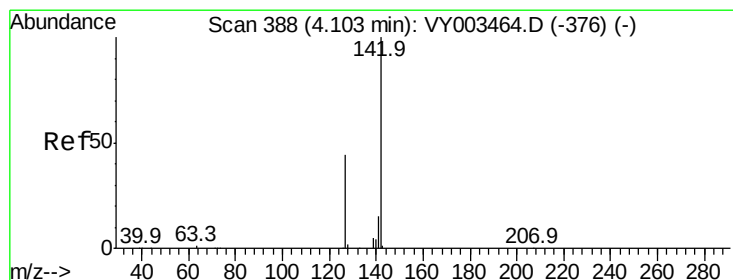
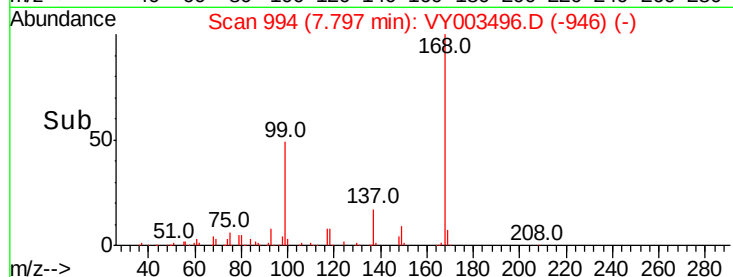
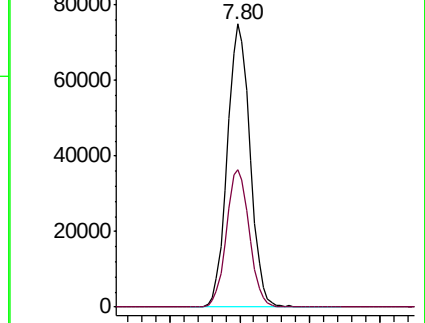
168 100

99 48.6 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: 4.765 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY003496.D

Acq: 03 Nov 2020 16:40

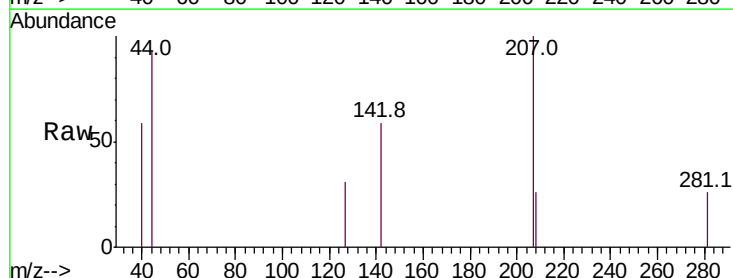
Tgt Ion:142 Resp: 252

Ion Ratio Lower Upper

142 100

127 8.3 34.5 51.7#

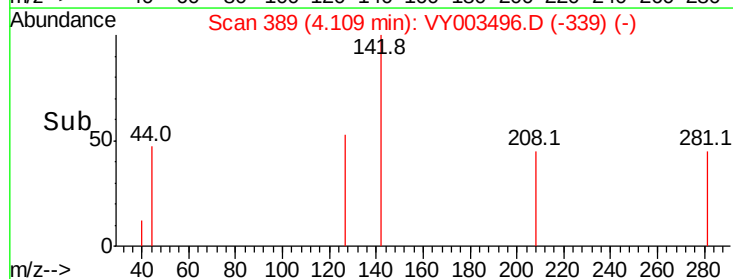
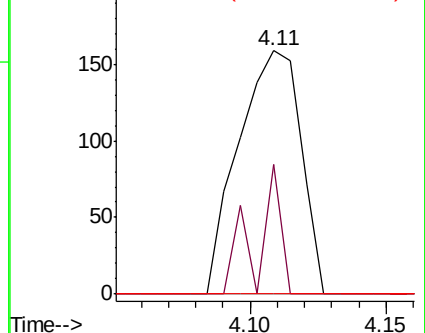
141 0.0 11.8 17.8#

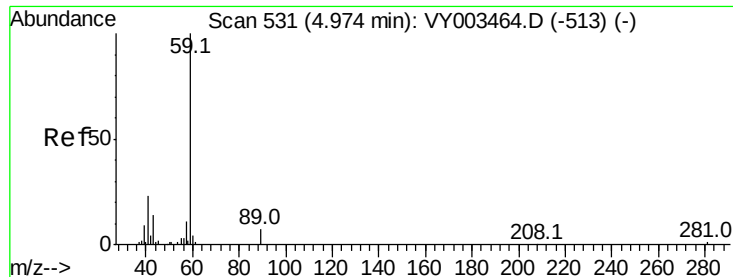


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



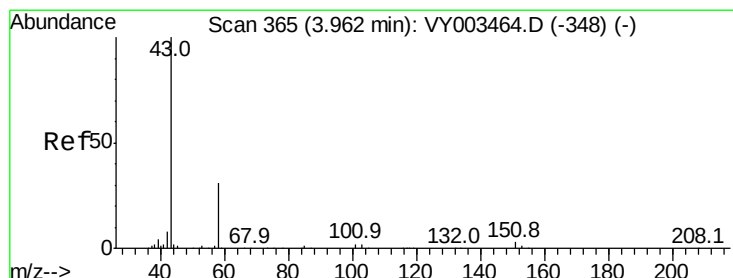
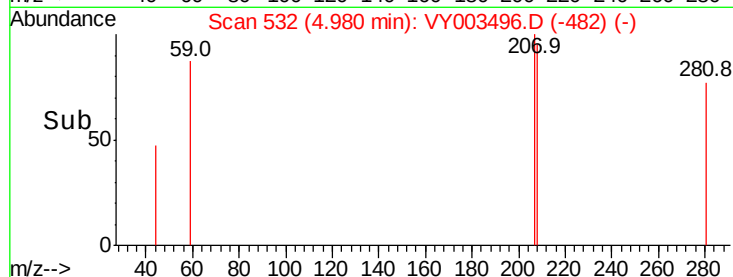
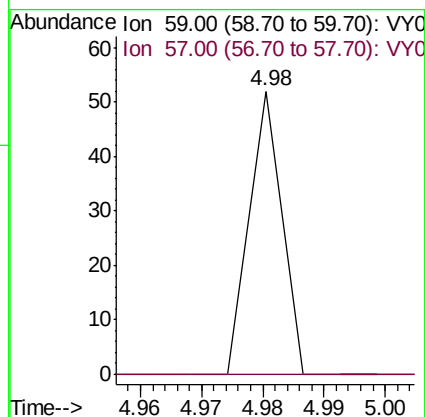
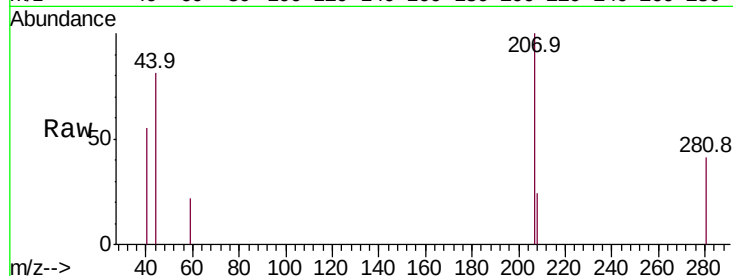


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.98 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VY003496.D
 Acq: 03 Nov 2020 16:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRT-17RE

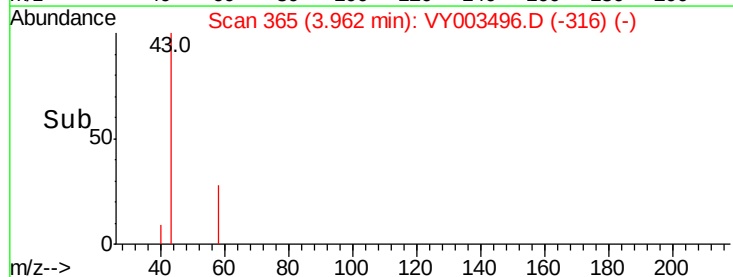
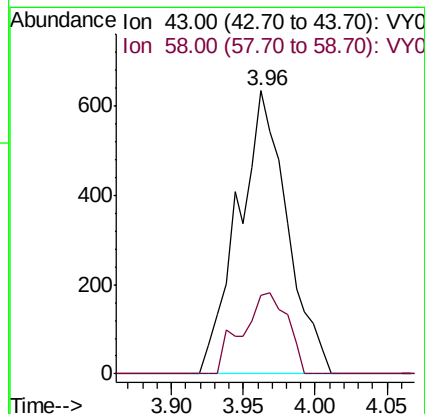
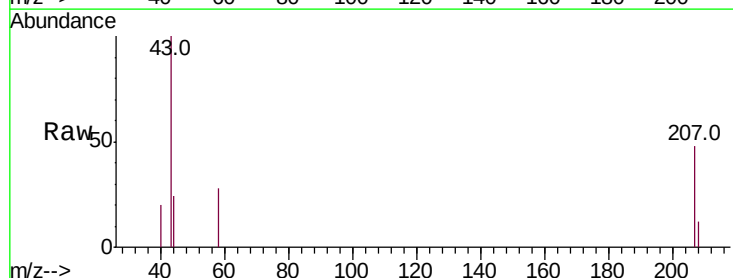
Tot Ion: 59 Resp: 19
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

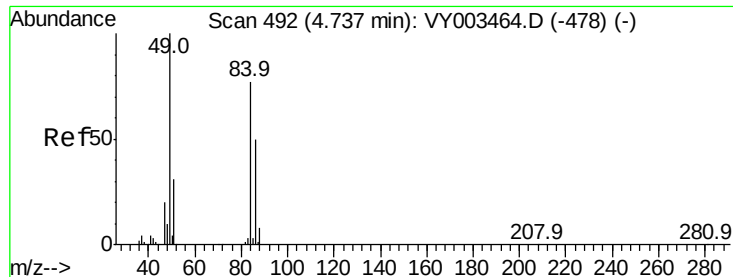


#16

Acetone
 Concen: 2.619 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VY003496.D
 Acq: 03 Nov 2020 16:40

Tgt Ion: 43 Resp: 1498
 Ion Ratio Lower Upper
 43 100
 58 27.6 25.0 37.4

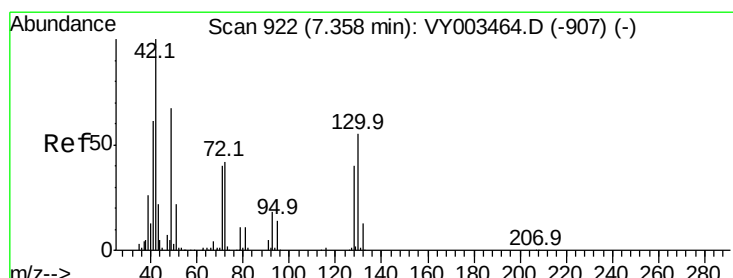
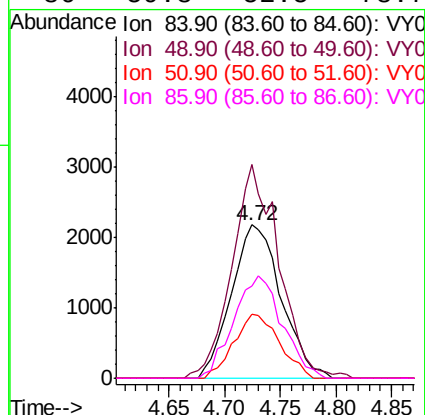
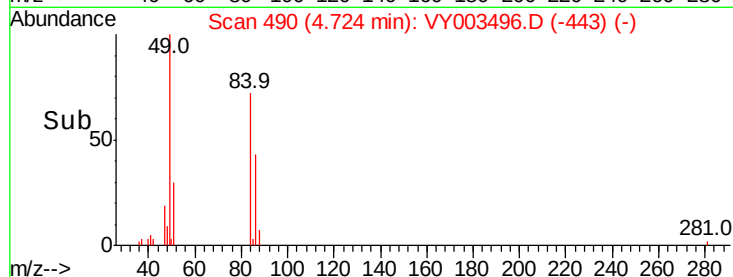
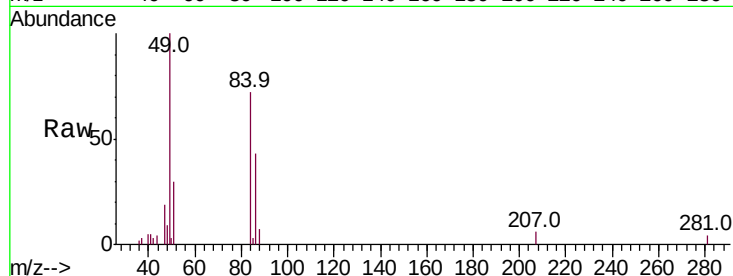




#20
Methylene Chloride
Concen: 4.206 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY003496.D
Acq: 03 Nov 2020 16:40

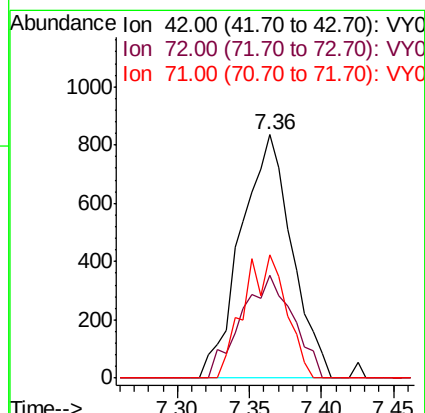
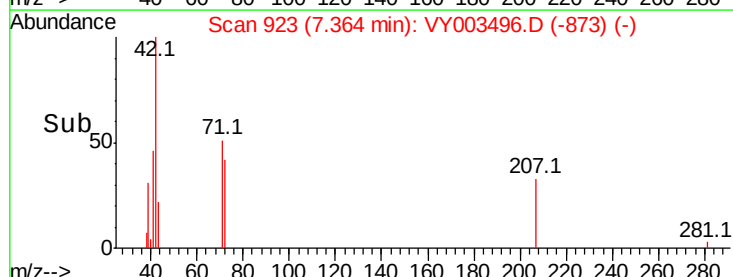
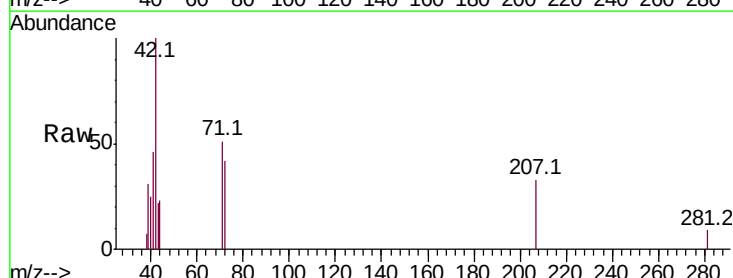
Instrument :
MSVOA_Y
ClientSampleId :
CRT-17RE

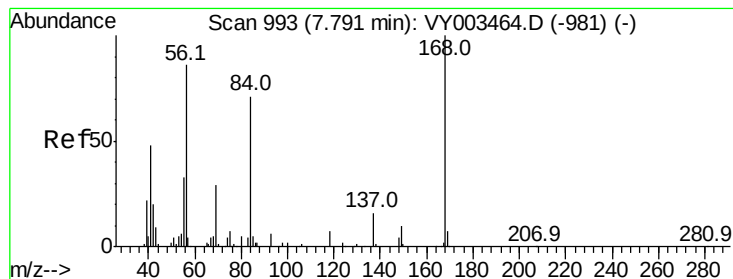
Tot Ion:	84	Resp:	6775
Ion	Ratio	Lower	Upper
84	100		
49	136.2	104.3	156.5
51	41.7	32.5	48.7
86	59.8	52.5	78.7



#29
Tetrahydrofuran
Concen: 5.484 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY003496.D
Acq: 03 Nov 2020 16:40

Tgt Ion:	42	Resp:	2050
Ion	Ratio	Lower	Upper
42	100		
72	43.1	32.8	49.2
71	42.2	30.7	46.1





#31

Cyclohexane

Concen: 1.189 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003496.D

Acq: 03 Nov 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

CRT-17RE

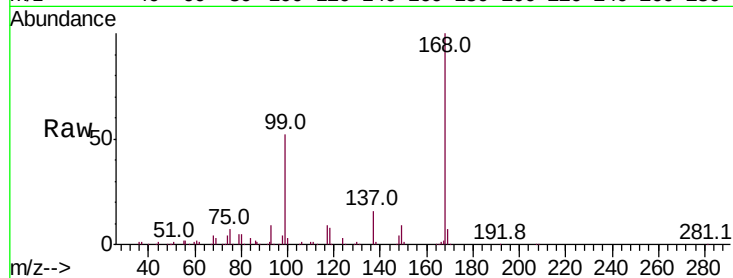
Tot Ion: 56 Resp: 3090

Ion Ratio Lower Upper

56 100

69 149.0 26.6 39.8#

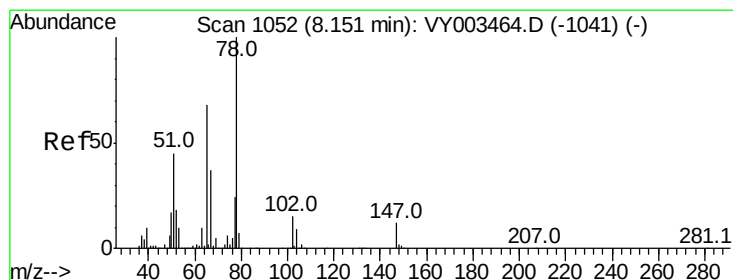
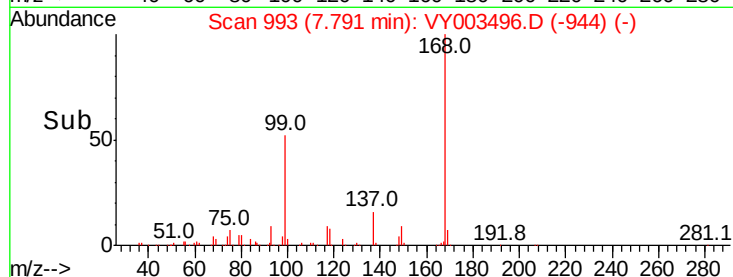
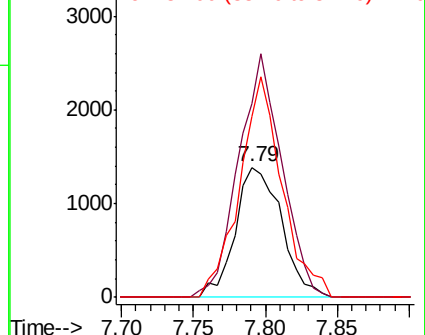
84 139.4 65.9 98.9#



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: 66.221 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY003496.D

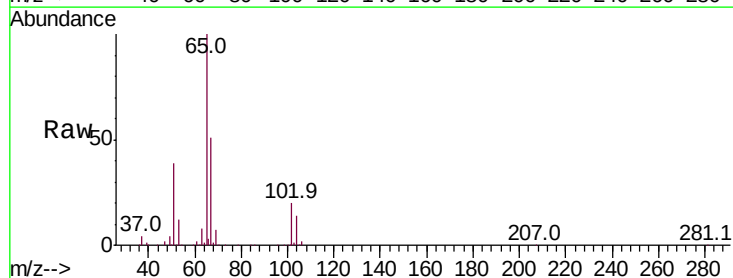
Acq: 03 Nov 2020 16:40

Tgt Ion: 65 Resp: 114820

Ion Ratio Lower Upper

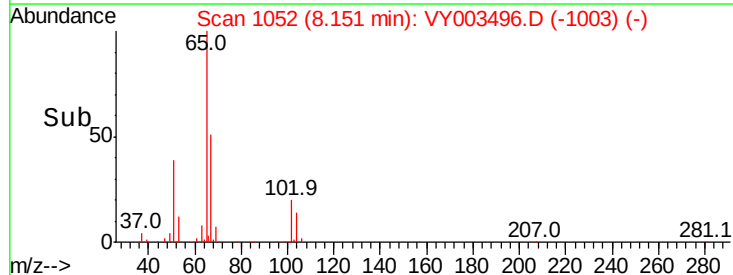
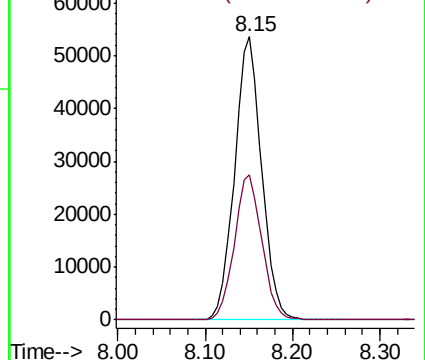
65 100

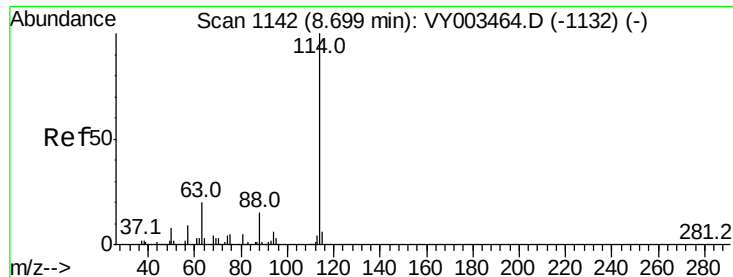
67 52.2 0.0 106.0



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: VY003496.D

Acq: 03 Nov 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

CRT-17RE

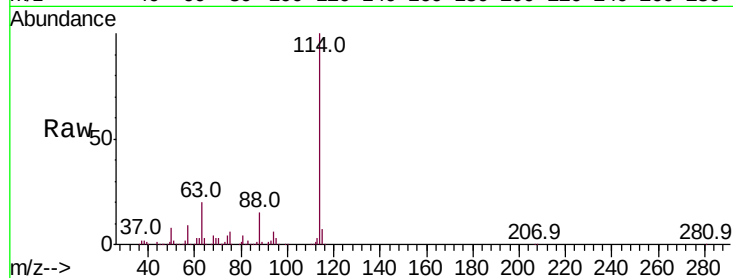
Tot Ion:114 Resp: 309588

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.6

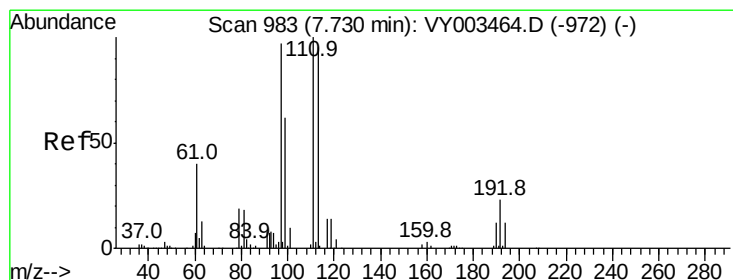
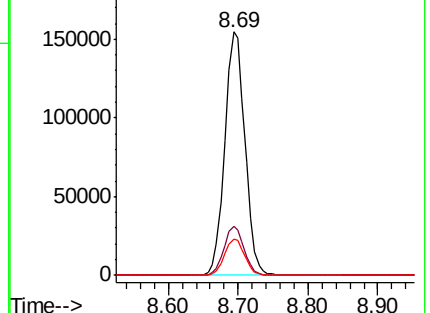
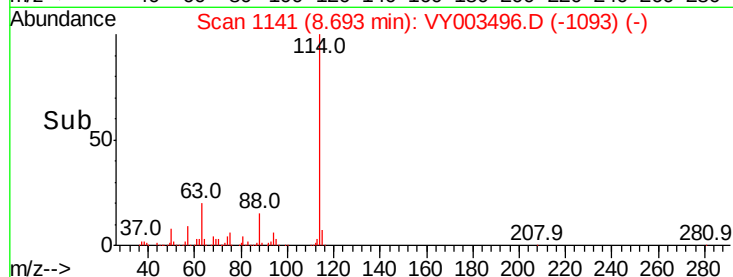
88 15.1 0.0 29.4



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



#35

Dibromofluoromethane

Concen: 53.326 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY003496.D

Acq: 03 Nov 2020 16:40

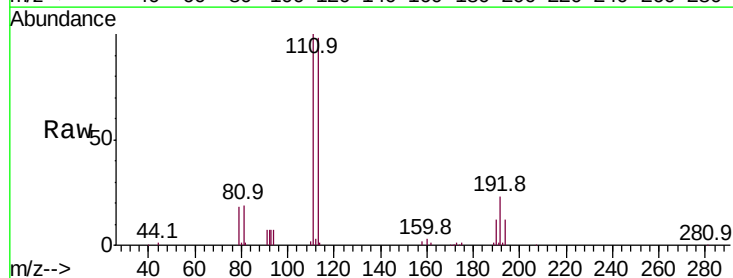
Tgt Ion:113 Resp: 100461

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.6

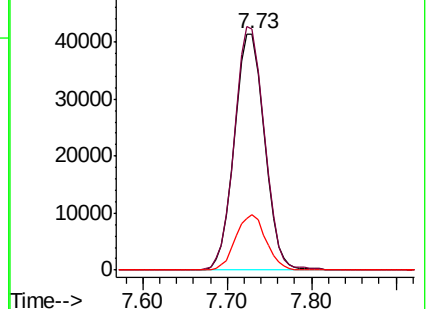
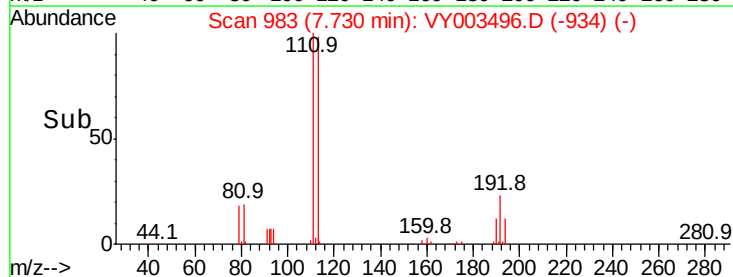
192 23.4 18.8 28.2

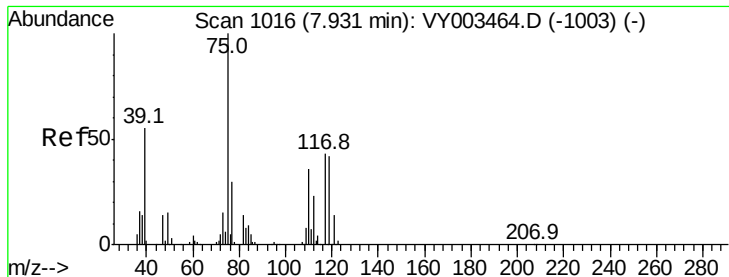


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.043 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.14 min

Lab File: VY003496.D

Acq: 03 Nov 2020 16:40

Instrument :

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CRT-17RE

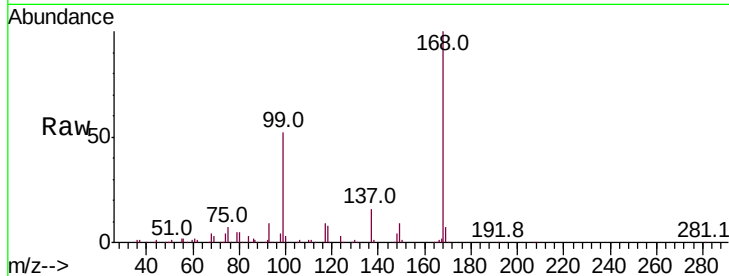
Tot Ion: 75 Resp: 11801

Ion Ratio Lower Upper

75 100

110 9.0 17.6 52.9#

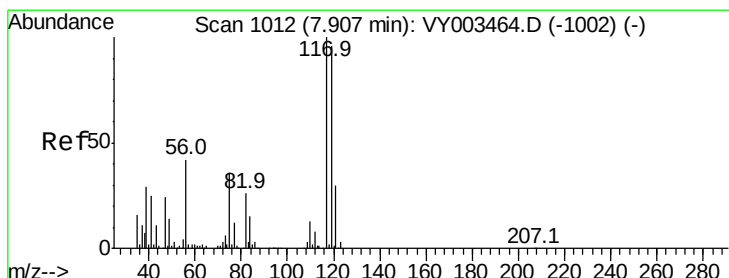
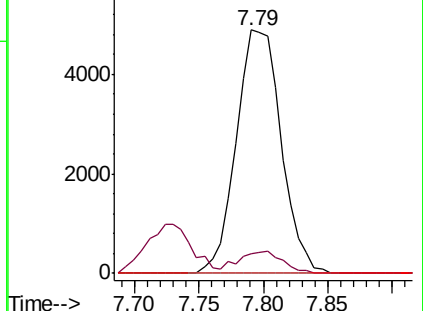
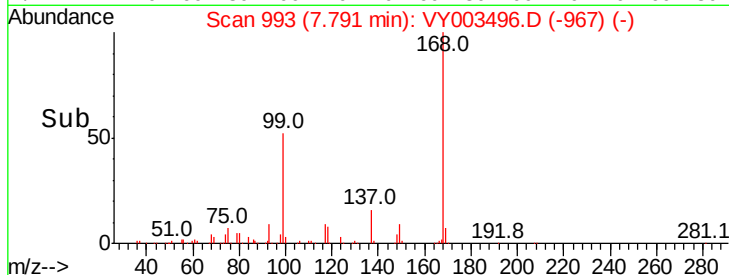
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VY003496.D (-967) (-)

Ion 109.90 (109.60 to 110.60): VY003496.D (-967) (-)

Ion 76.90 (76.60 to 77.60): VY003496.D (-967) (-)



#38

Carbon Tetrachloride

Concen: 4.858 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003496.D

Acq: 03 Nov 2020 16:40

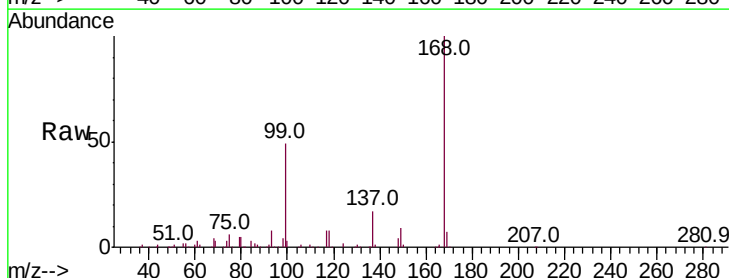
Tgt Ion: 117 Resp: 14711

Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.4#

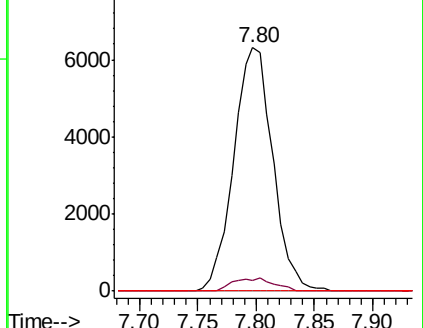
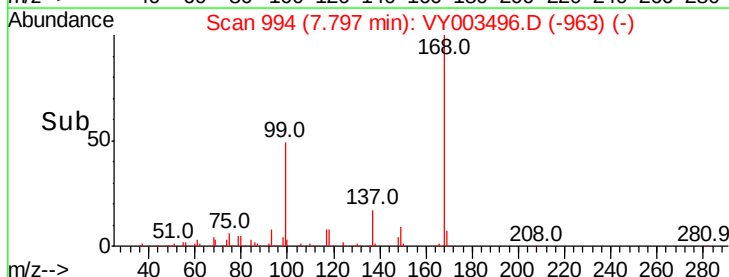
121 0.0 24.2 36.4#

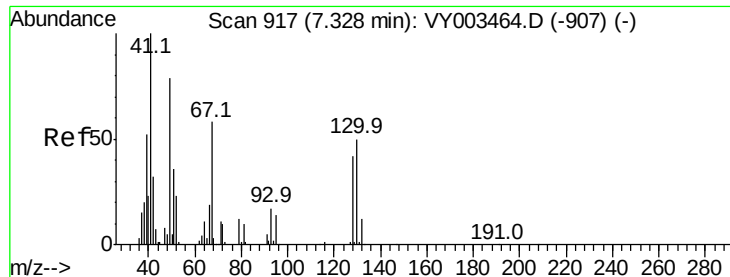


Abundance Ion 116.80 (116.50 to 117.50): VY003496.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003496.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003496.D (-963) (-)

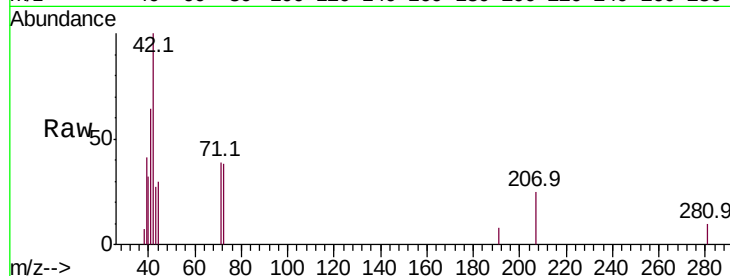




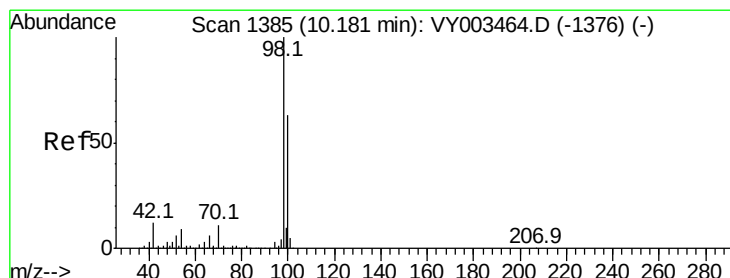
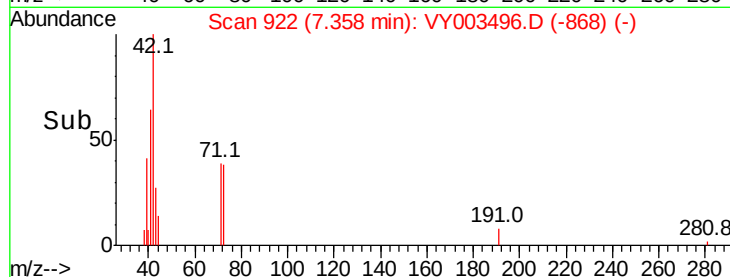
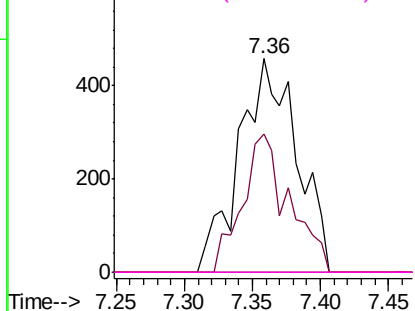
#41
Methacrylonitrile
Concen: 1.406 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.03 min
Lab File: VY003496.D
Acq: 03 Nov 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
CRT-17RE

Tot Ion: 41 Resp: 1361
Ion Ratio Lower Upper
41 100
39 52.2 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

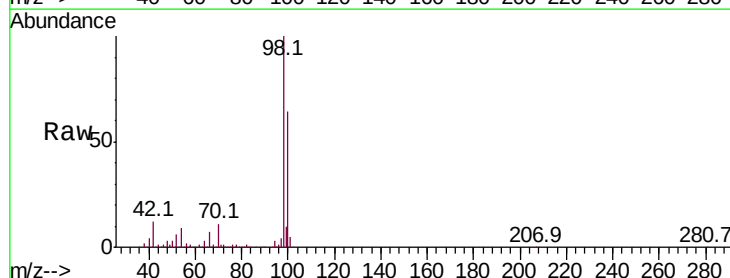


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

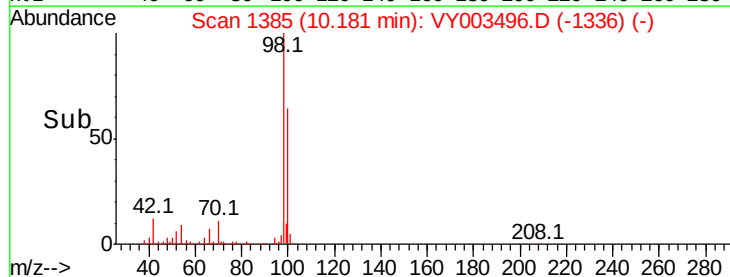
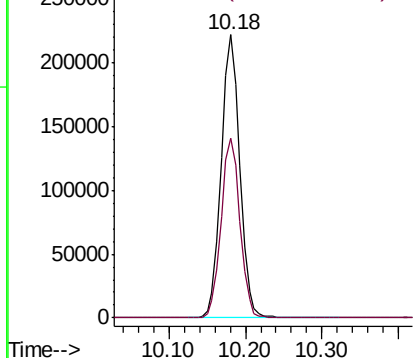


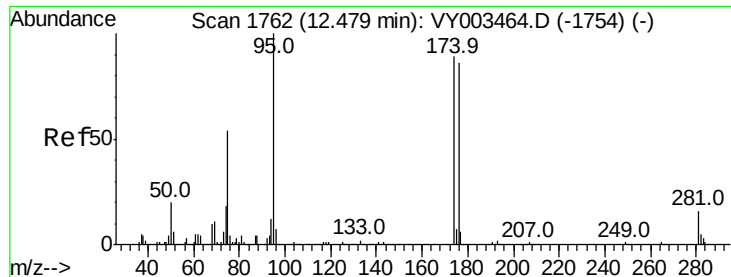
#50
Toluene-d8
Concen: 47.599 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003496.D
Acq: 03 Nov 2020 16:40

Tgt Ion: 98 Resp: 373048
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

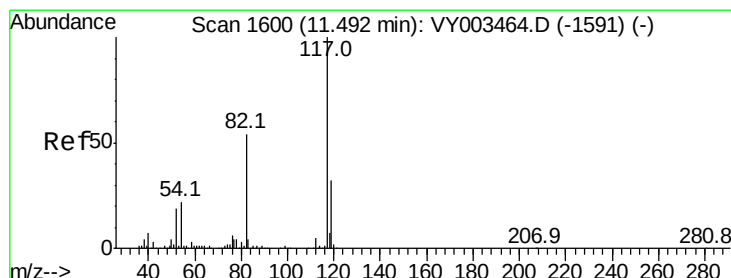
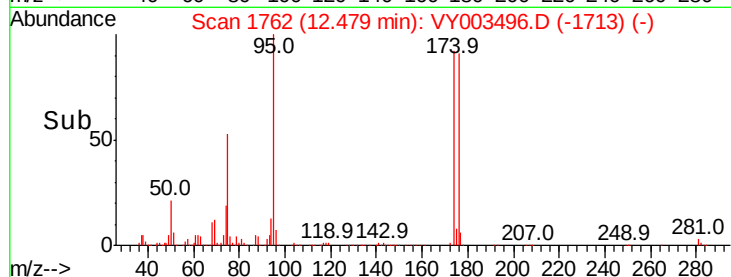
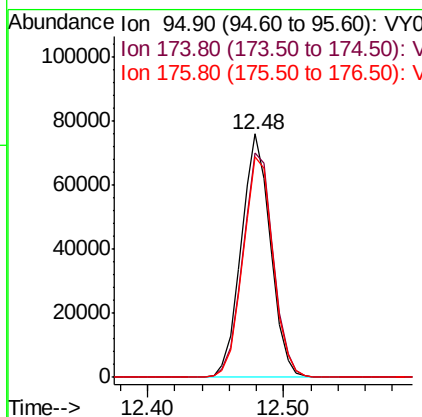
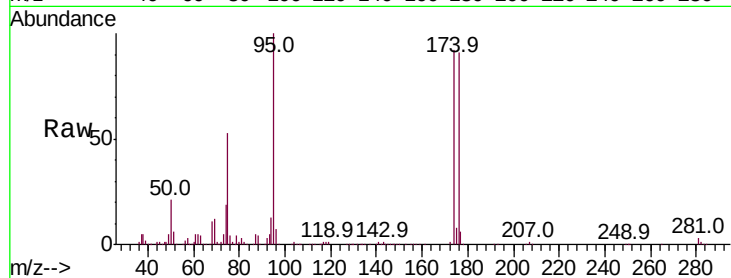




#62
4-Bromofluorobenzene
Concen: 44.037 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003496.D
Acq: 03 Nov 2020 16:40

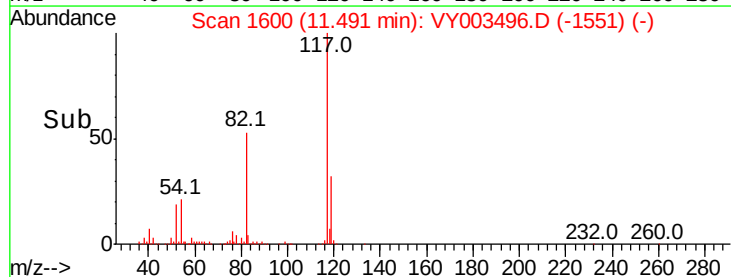
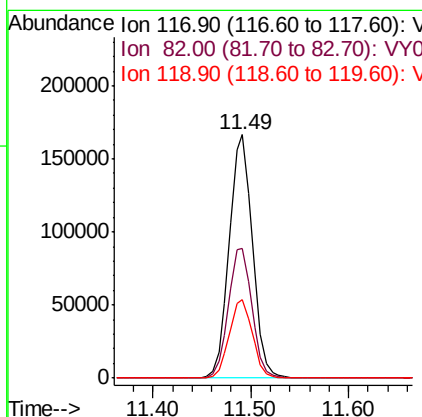
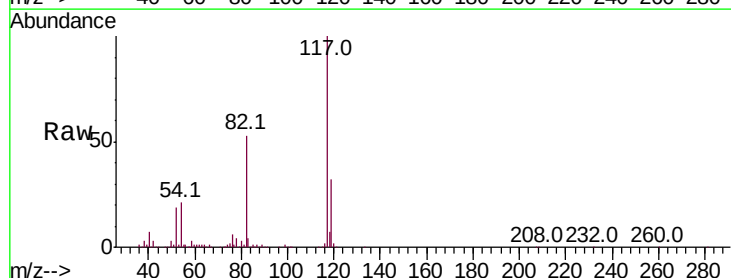
Instrument :
MSVOA_Y
ClientSampleId :
CRT-17RE

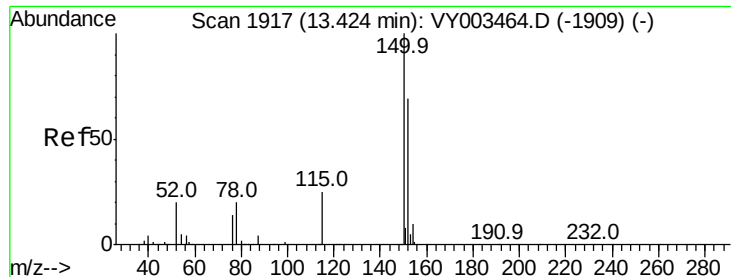
Tot Ion: 95 Resp: 114353
Ion Ratio Lower Upper
95 100
174 95.8 0.0 193.0
176 93.4 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003496.D
Acq: 03 Nov 2020 16:40

Tgt Ion: 117 Resp: 273460
Ion Ratio Lower Upper
117 100
82 53.2 43.4 65.2
119 32.5 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: VY003496.D

Acq: 03 Nov 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

CRT-17RE

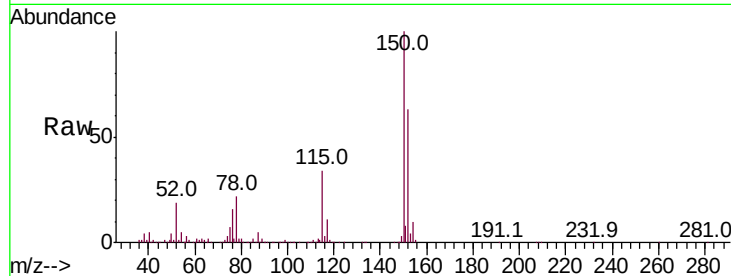
Tot Ion:152 Resp: 128414

Ion Ratio Lower Upper

152 100

115 54.1 27.5 82.4

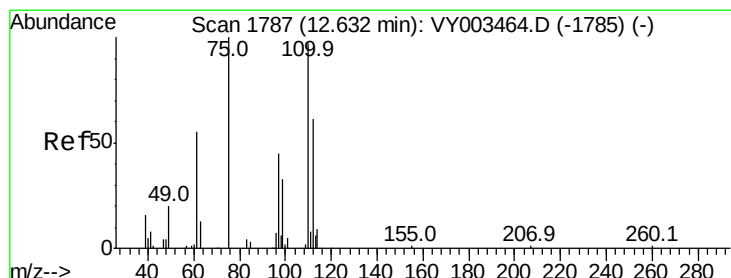
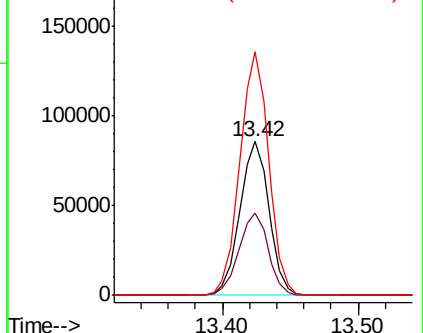
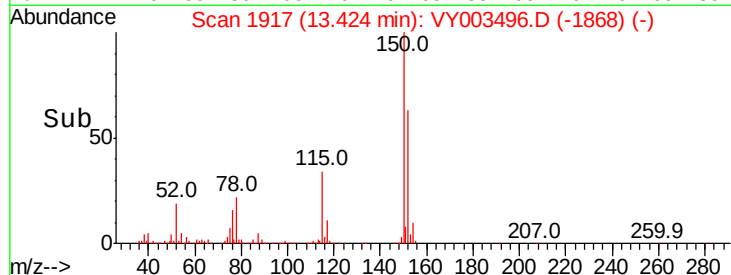
150 156.4 0.0 345.8



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: 44.750 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003496.D

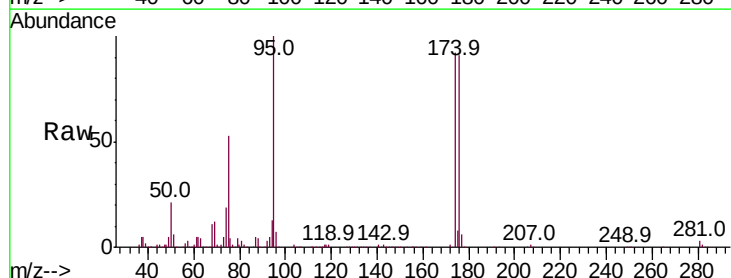
Acq: 03 Nov 2020 16:40

Tgt Ion: 75 Resp: 60803

Ion Ratio Lower Upper

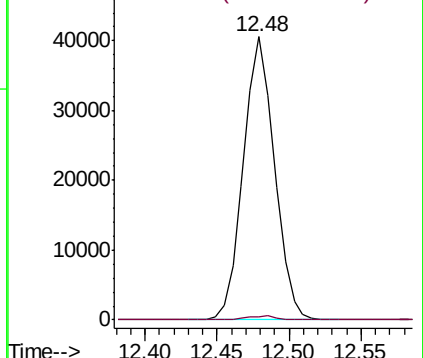
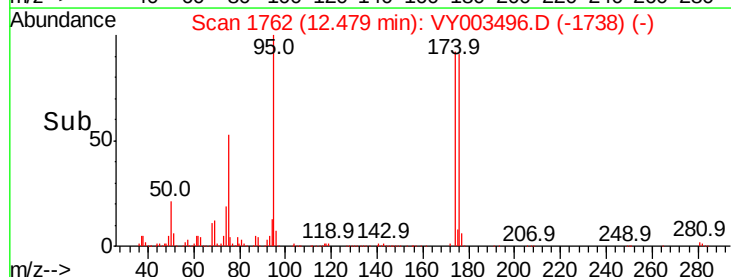
75 100

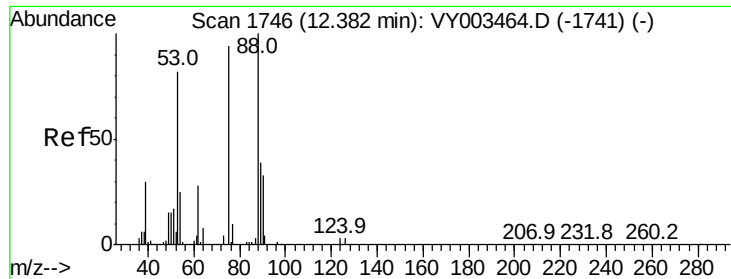
77 1.3 0.0 0.0#



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: 93.402 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003496.D

Acq: 03 Nov 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

CRT-17RE

Tot Ion: 75 Resp: 60803

Ion Ratio Lower Upper

75 100

53 0.1 74.7 112.1#

89 0.0 35.8 53.8#

