

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110320\
 Data File : VY003494.D
 Acq On : 03 Nov 2020 15:55
 Operator : SY/MD
 Sample : L4605-01
 Misc : 6.42G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRT-01

Quant Time: Nov 04 00:24:35 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	165578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	298067	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	261496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	111892	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	112101	66.04	ug/l	0.00
Spiked Amount			Recovery	=	132.08%	
35) Dibromofluoromethane	7.73	113	97371	53.68	ug/l	0.00
Spiked Amount			Recovery	=	107.36%	
50) Toluene-d8	10.18	98	362721	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
62) 4-Bromofluorobenzene	12.48	95	107461	42.98	ug/l	0.00
Spiked Amount			Recovery	=	85.96%	

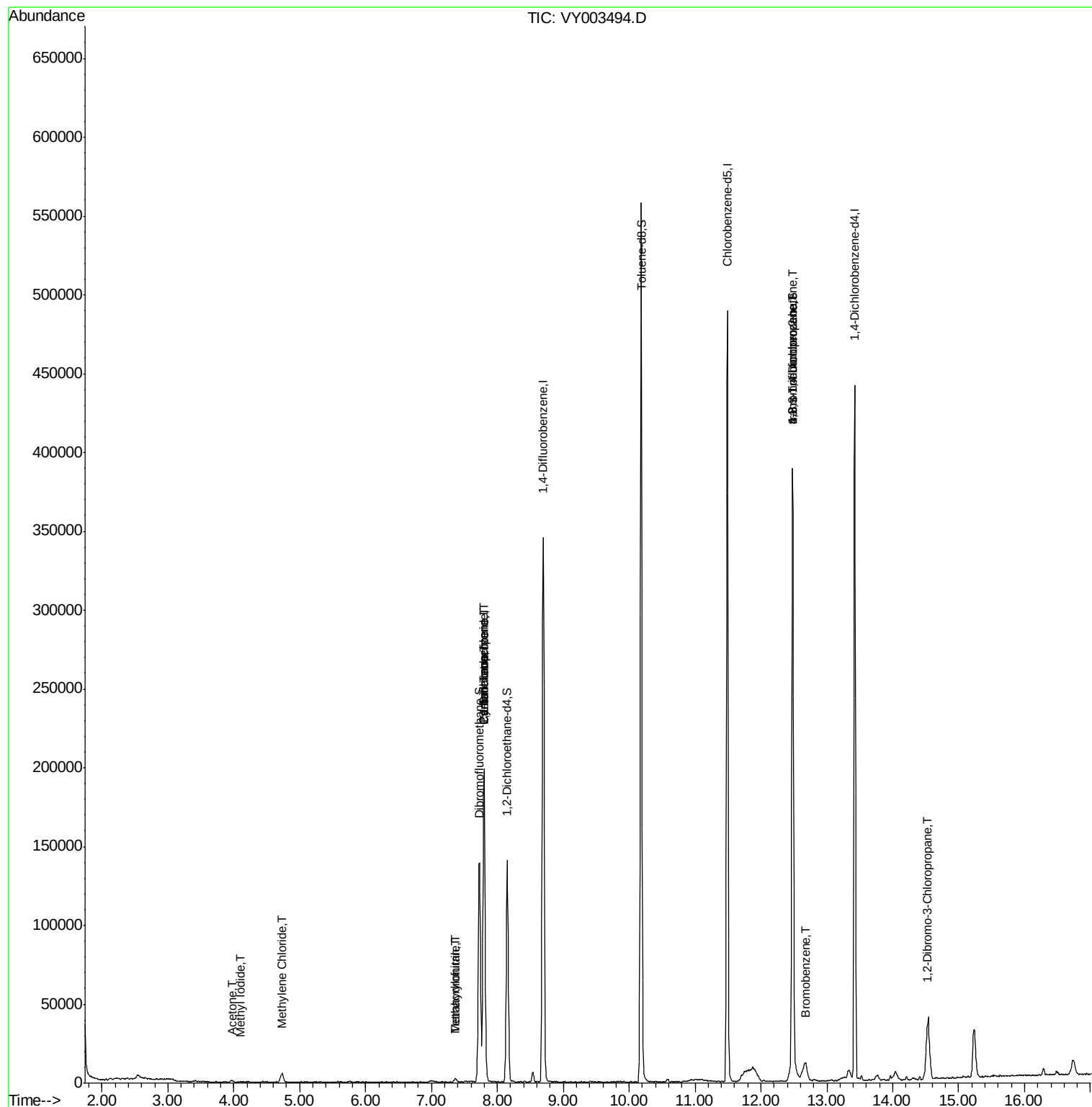
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.10	142	257	4.772	ug/l #	76
11) Tert butyl alcohol	4.96	59	193	Below Cal	#	73
16) Acetone	3.96	43	1881	3.359	ug/l #	84
20) Methylene Chloride	4.73	84	4215	2.673	ug/l #	91
29) Tetrahydrofuran	7.36	42	1721	4.703	ug/l	98
31) Cyclohexane	7.80	56	3178	1.249	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	11390	4.053	ug/l #	50
38) Carbon Tetrachloride	7.80	117	15075	5.171	ug/l #	17
41) Methacrylonitrile	7.35	41	1087	1.166	ug/l #	100
76) 1,2,3-Trichloropropane	12.48	75	57921	48.924	ug/l #	100
77) Bromobenzene	12.67	156	15201	8.185	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	57921	102.113	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.52	75	3006	10.636	ug/l #	1

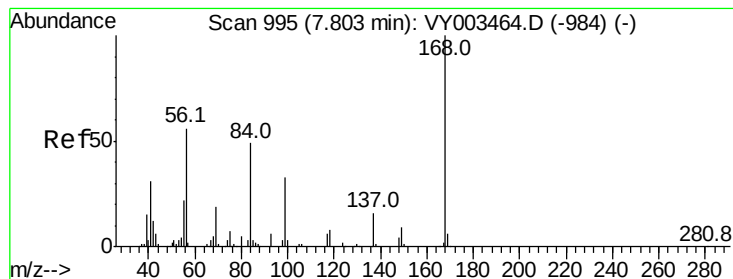
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY110320\
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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: VY003494.D

Acq: 03 Nov 2020 15:55

Instrument :

MSVOA_Y

ClientSampleId :

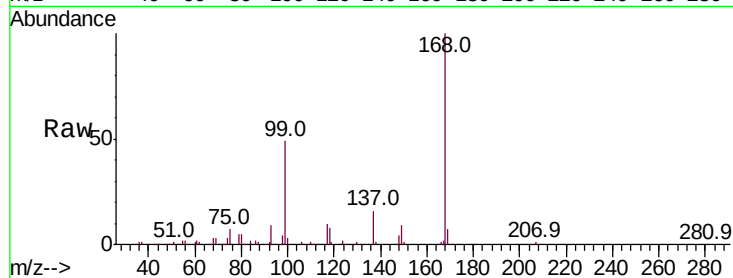
CRT-01

Tot Ion:168 Resp: 165578

Ion Ratio Lower Upper

168 100

99 49.2 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

80000

60000

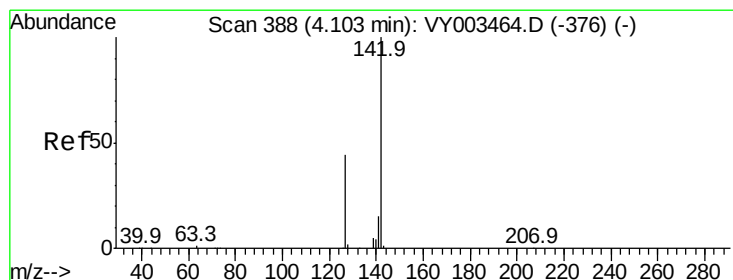
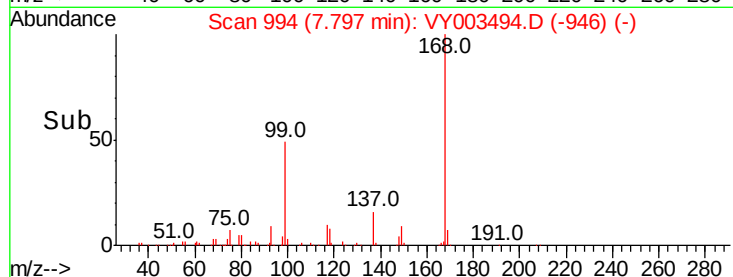
40000

20000

0

7.70 7.80 7.90

Time-->



#10

Methyl Iodide

Concen: 4.772 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.01 min

Lab File: VY003494.D

Acq: 03 Nov 2020 15:55

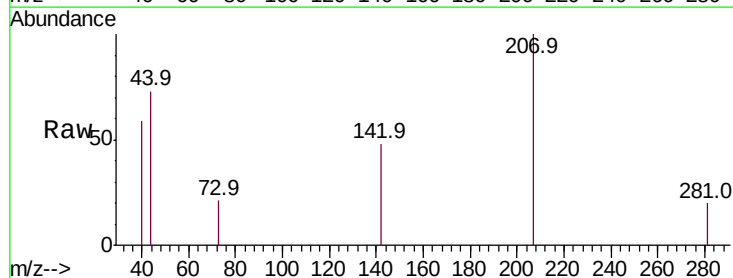
Tgt Ion:142 Resp: 257

Ion Ratio Lower Upper

142 100

127 30.0 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

150

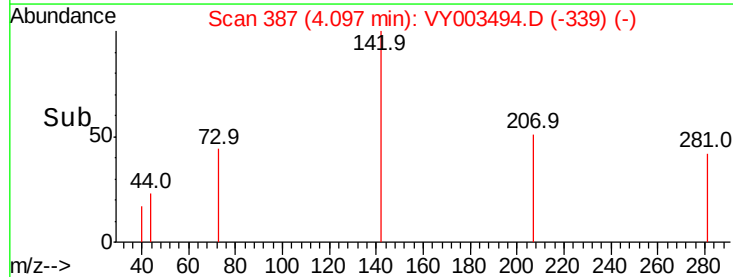
100

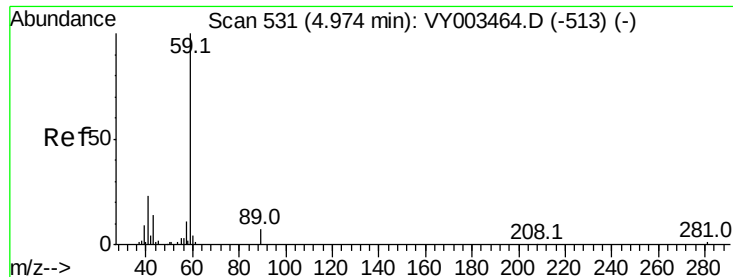
50

0

4.10 4.15

Time-->



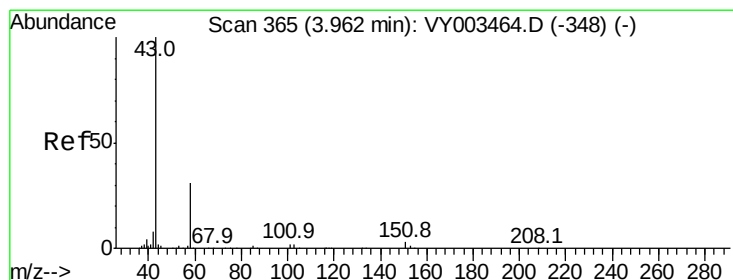
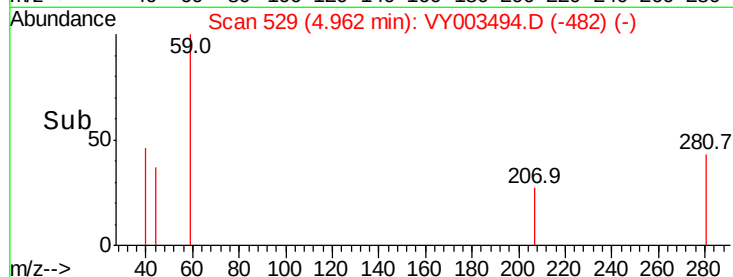
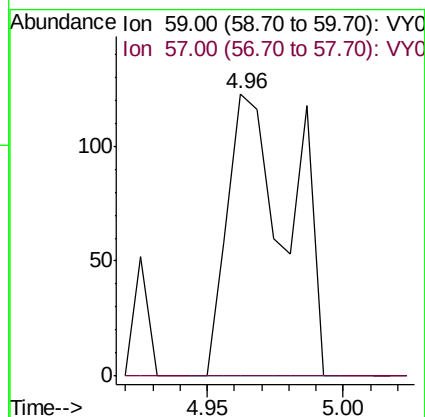
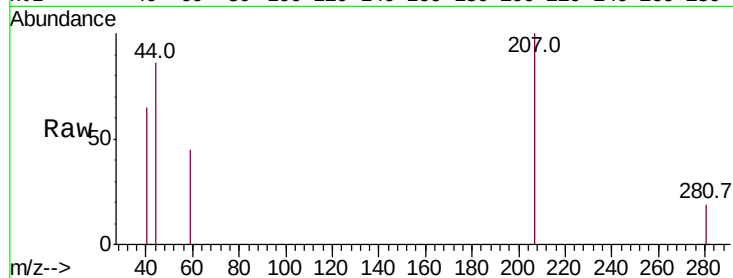


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY003494.D
 Acq: 03 Nov 2020 15:55

Instrument :
 MSVOA_Y
 ClientSampled :
 CRT-01

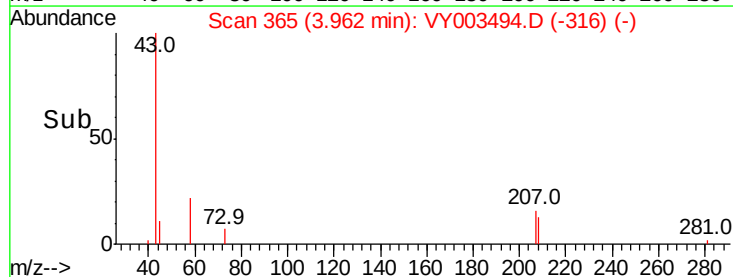
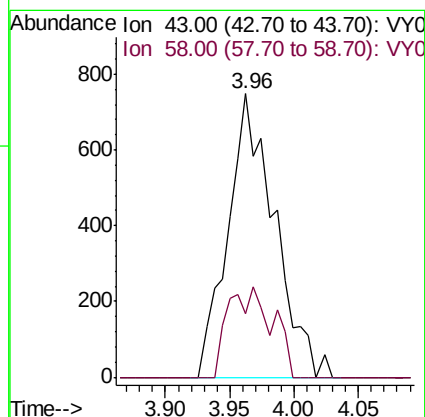
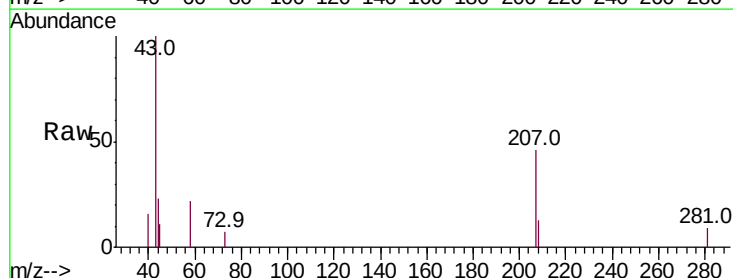
Tot Ion: 59 Resp: 193
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

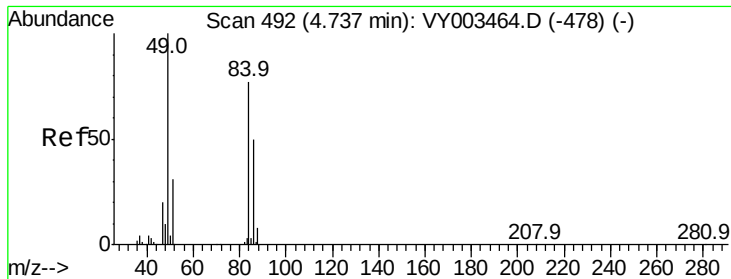


#16

Acetone
 Concen: 3.359 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VY003494.D
 Acq: 03 Nov 2020 15:55

Tgt Ion: 43 Resp: 1881
 Ion Ratio Lower Upper
 43 100
 58 22.3 25.0 37.4#

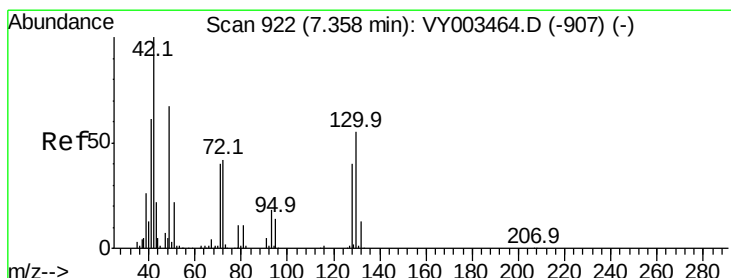
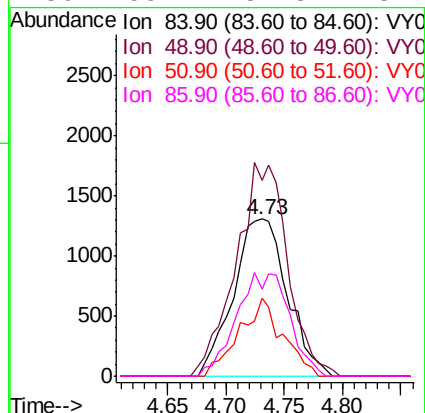
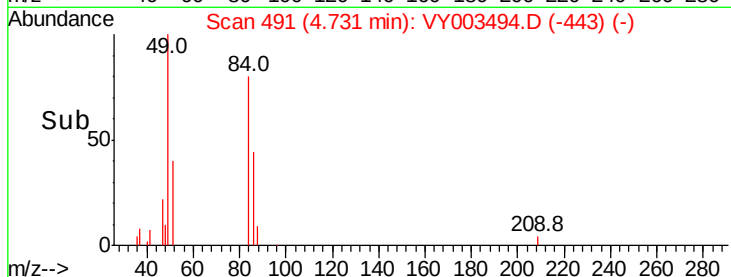
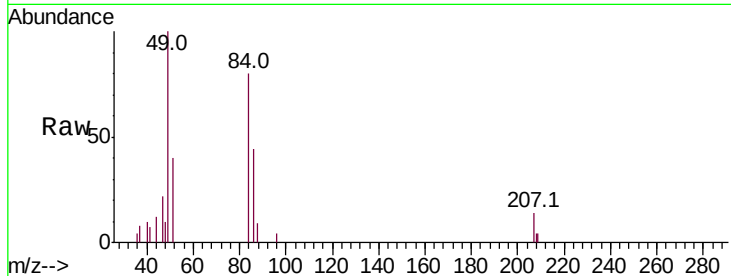




#20
Methylene Chloride
Concen: 2.673 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY003494.D
Acq: 03 Nov 2020 15:55

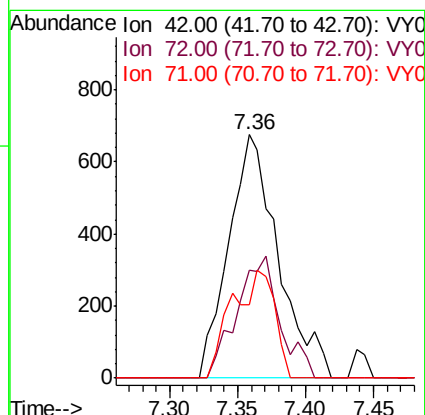
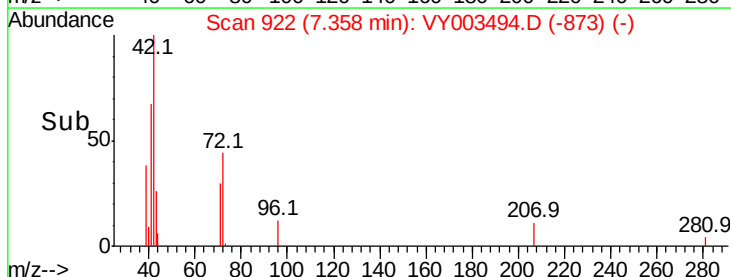
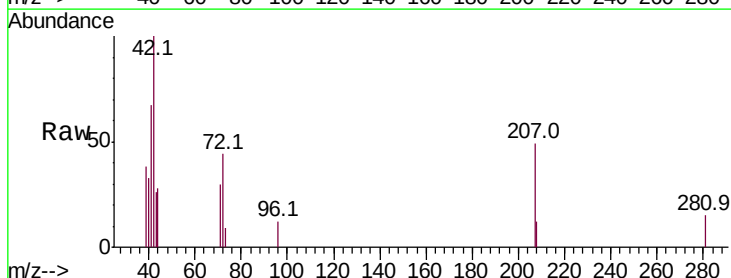
Instrument :
MSVOA_Y
ClientSampled :
CRT-01

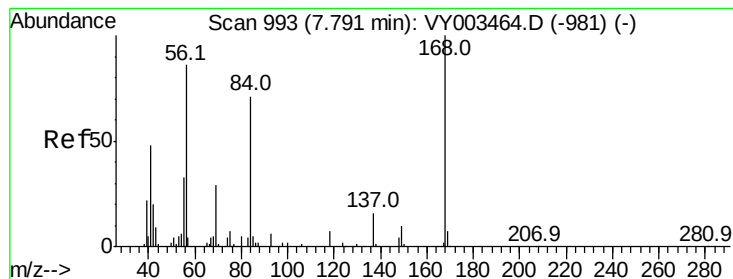
Tot Ion:	84	Resp:	4215
Ion	Ratio	Lower	Upper
84	100		
49	124.3	104.3	156.5
51	50.0	32.5	48.7#
86	55.2	52.5	78.7



#29
Tetrahydrofuran
Concen: 4.703 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY003494.D
Acq: 03 Nov 2020 15:55

Tgt Ion:	42	Resp:	1721
Ion	Ratio	Lower	Upper
42	100		
72	43.6	32.8	49.2
71	38.1	30.7	46.1





#31

Cyclohexane

Concen: 1.249 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003494.D

Acq: 03 Nov 2020 15:55

Instrument :

MSVOA_Y

ClientSampleId :

CRT-01

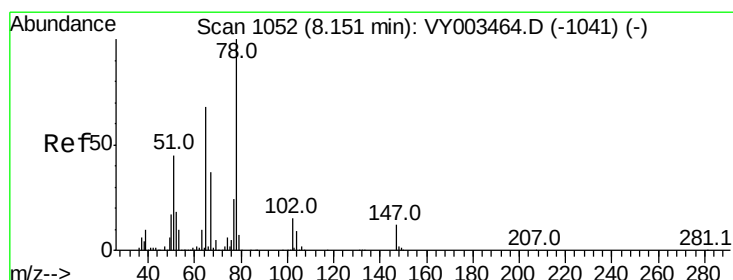
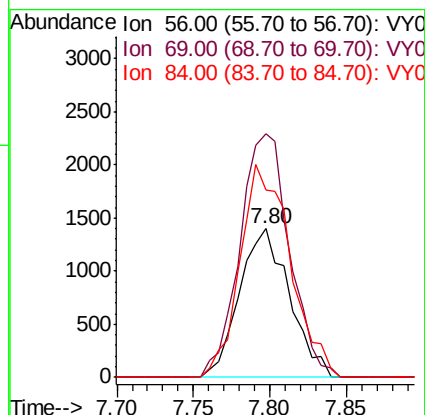
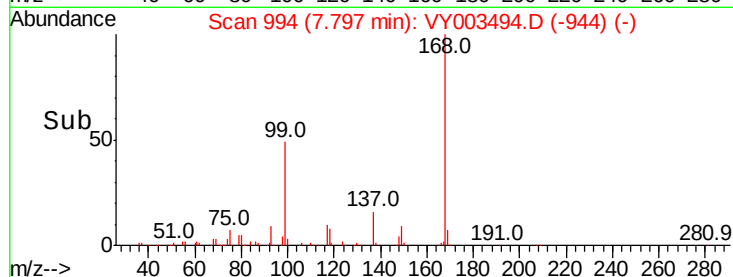
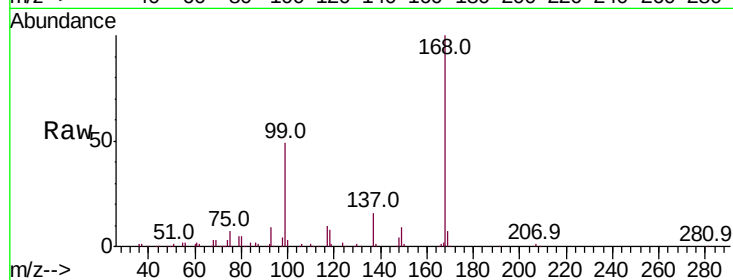
Tot Ion: 56 Resp: 3178

Ion Ratio Lower Upper

56 100

69 164.2 26.6 39.8#

84 126.1 65.9 98.9#



#33

1,2-Dichloroethane-d4

Concen: 66.040 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY003494.D

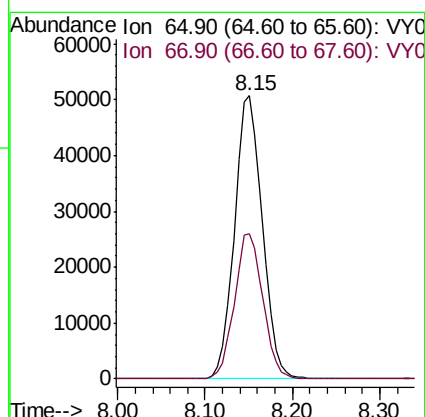
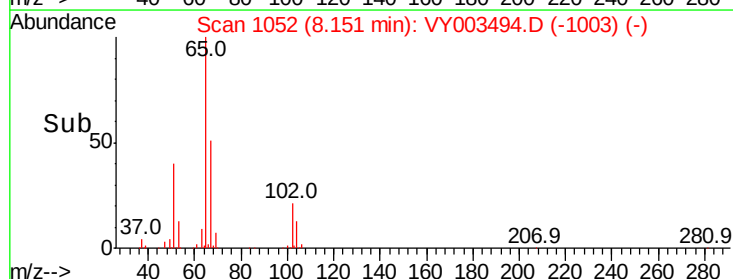
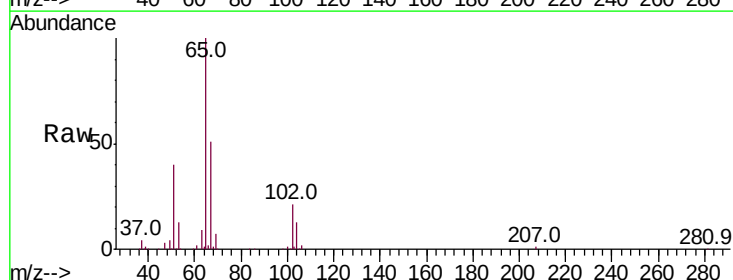
Acq: 03 Nov 2020 15:55

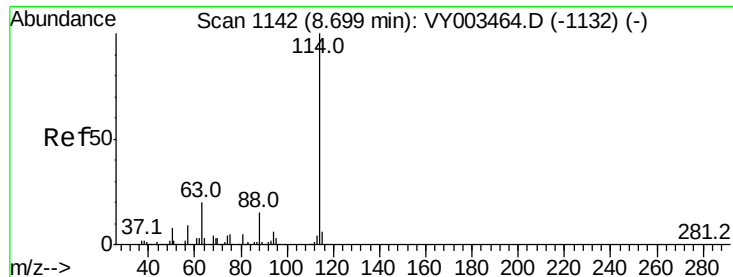
Tgt Ion: 65 Resp: 112101

Ion Ratio Lower Upper

65 100

67 52.4 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VY003494.D

Acq: 03 Nov 2020 15:55

Instrument :

MSVOA_Y

ClientSampleId :

CRT-01

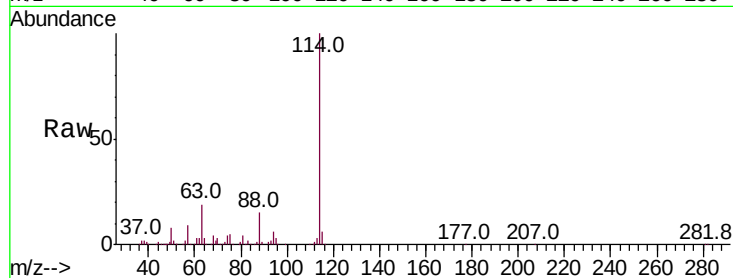
Tot Ion:114 Resp: 298067

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.6

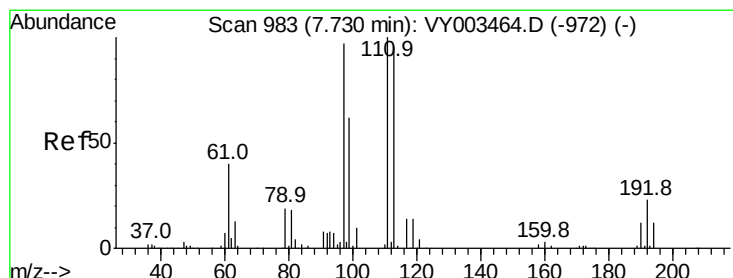
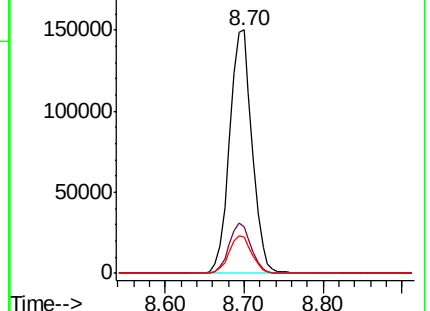
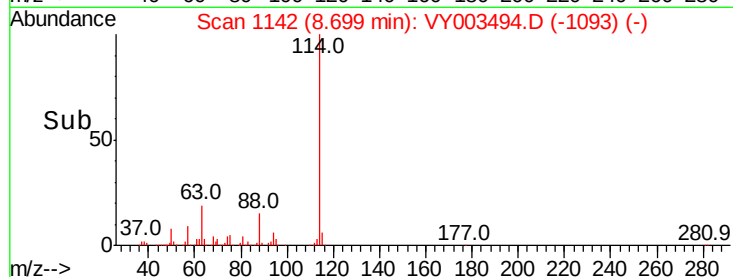
88 14.8 0.0 29.4



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: 53.683 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY003494.D

Acq: 03 Nov 2020 15:55

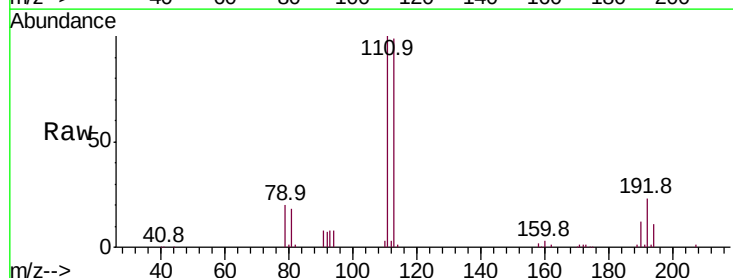
Tgt Ion:113 Resp: 97371

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.6

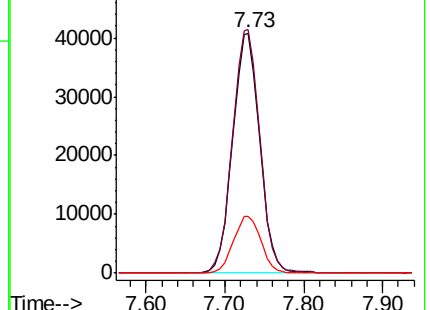
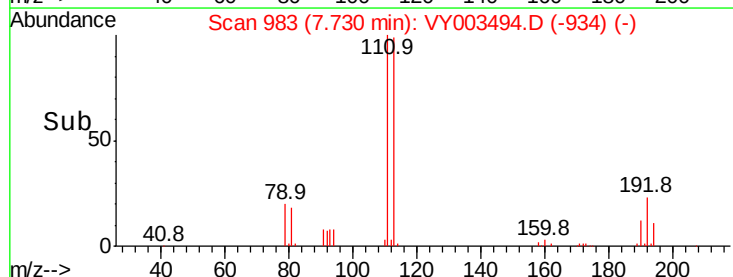
192 24.0 18.8 28.2

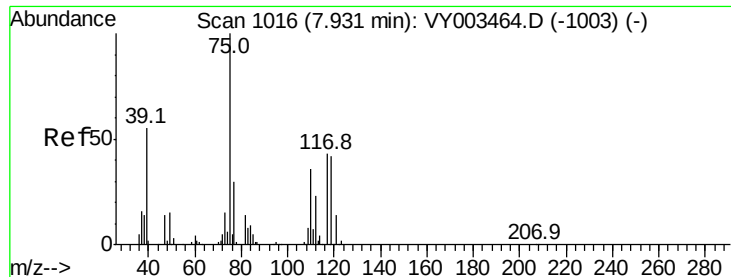


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

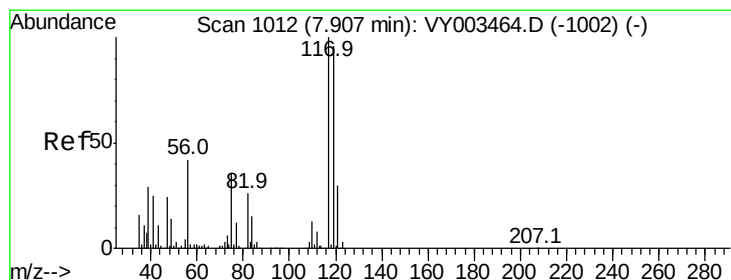
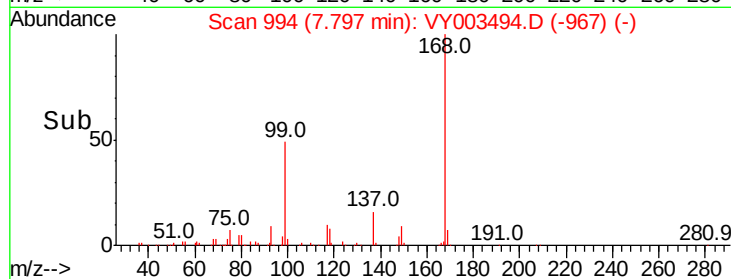
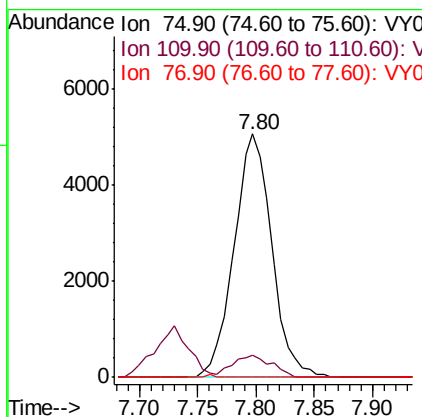
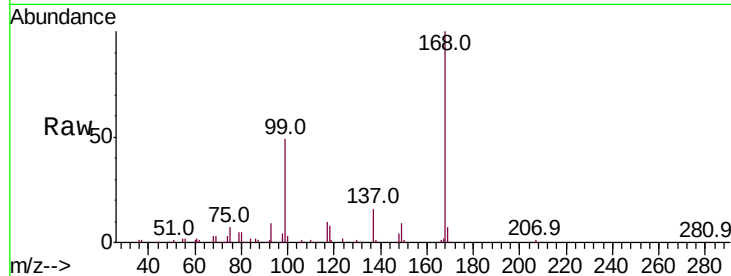




#36
 1,1-Dichloropropene
 Concen: 4.053 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003494.D
 Acq: 03 Nov 2020 15:55

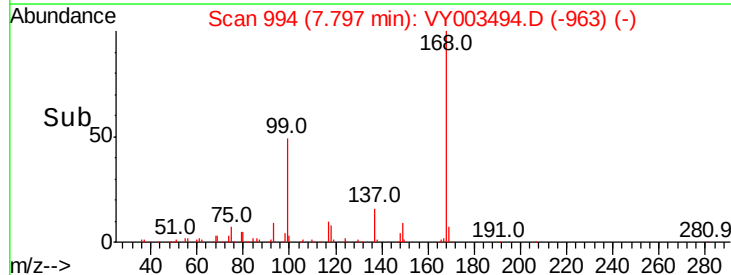
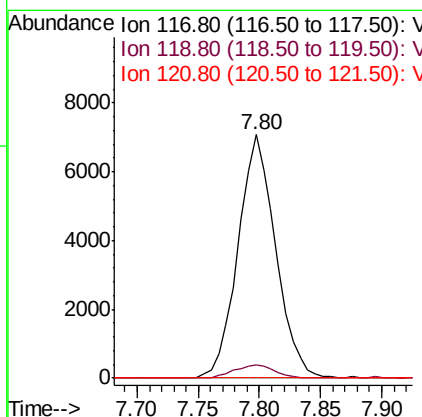
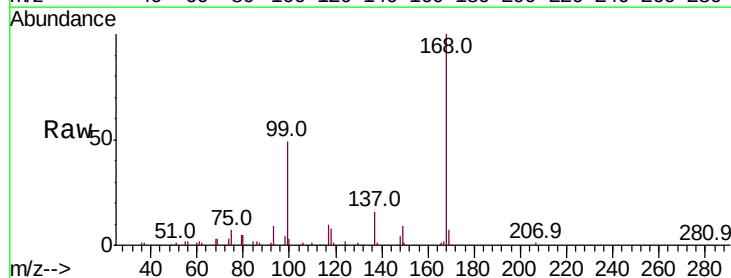
Instrument :
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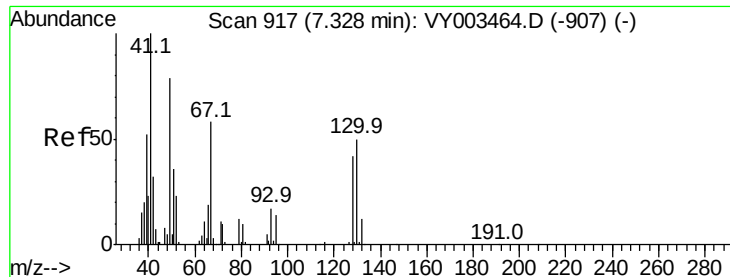
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.6	52.9#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.171 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003494.D
 Acq: 03 Nov 2020 15:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.2	114.4#
121	0.0	24.2	36.4#

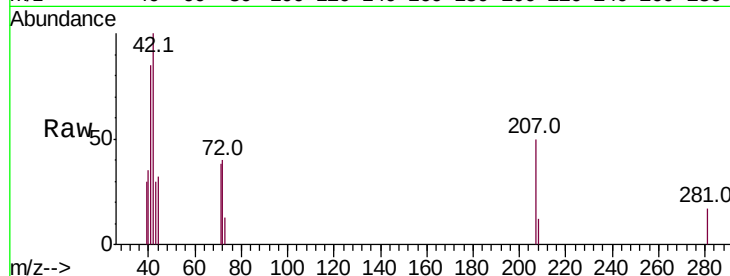




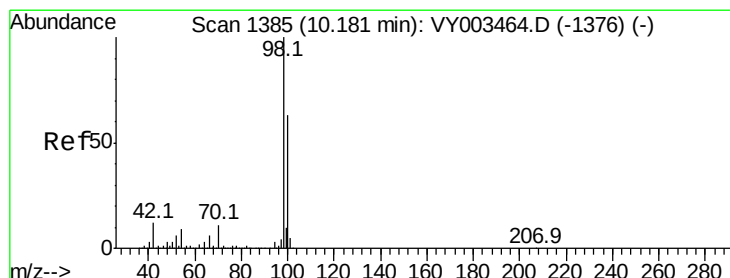
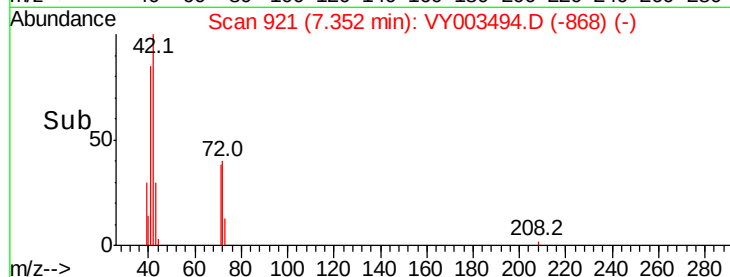
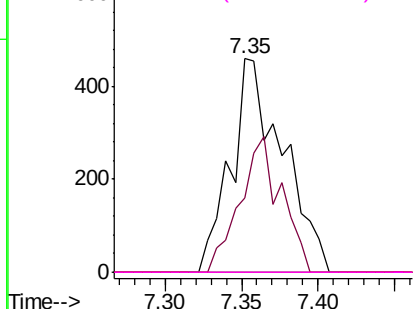
#41
Methacrylonitrile
Concen: 1.166 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.02 min
Lab File: VY003494.D
Acq: 03 Nov 2020 15:55

Instrument :
MSVOA_Y
ClientSampled :
CRT-01

Tot Ion: 41 Resp: 1087
Ion Ratio Lower Upper
41 100
39 50.2 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

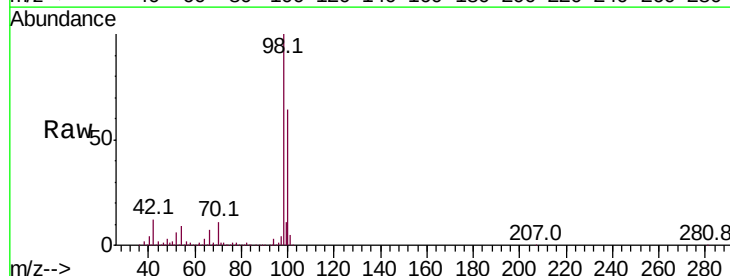


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

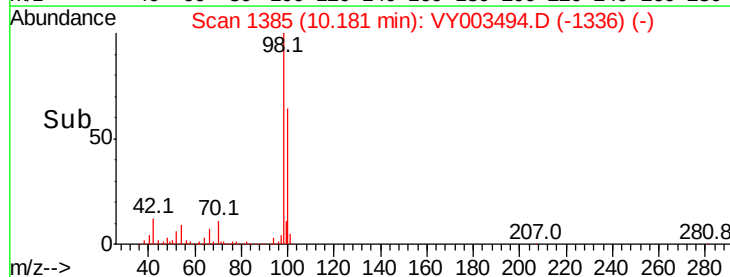
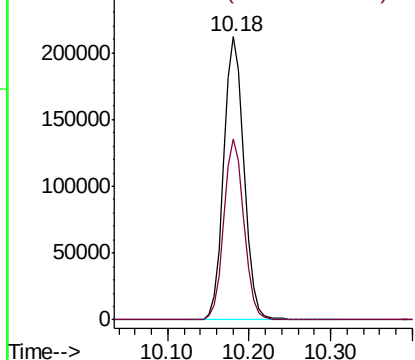


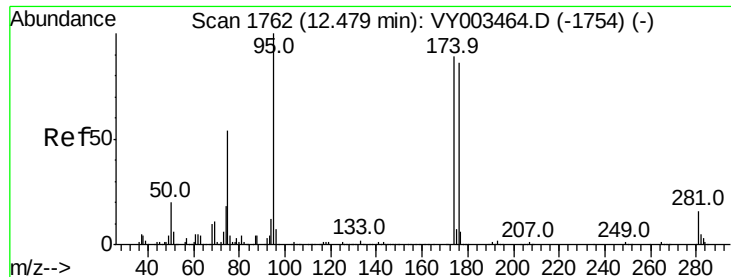
#50
Toluene-d8
Concen: 48.070 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY003494.D
Acq: 03 Nov 2020 15:55

Tgt Ion: 98 Resp: 362721
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3



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

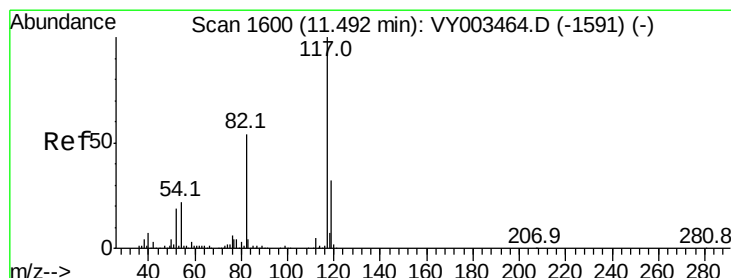
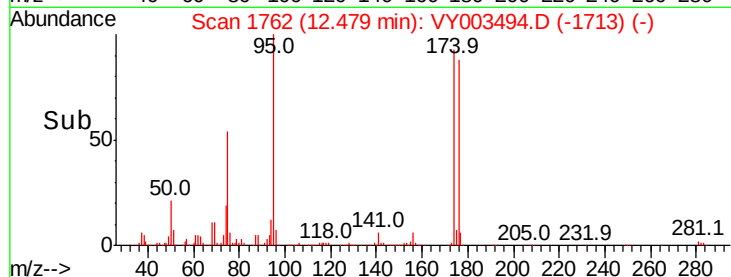
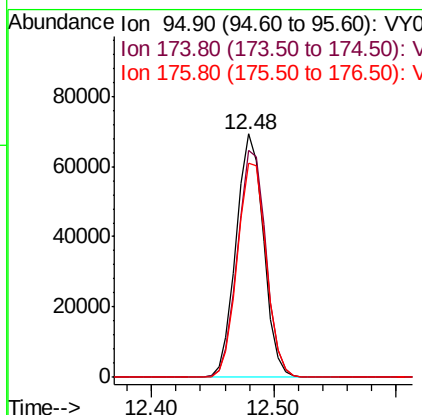
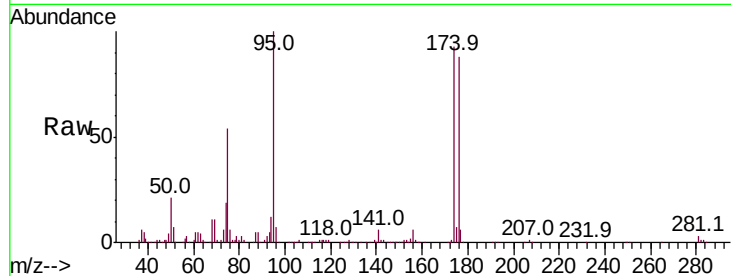




#62
4-Bromofluorobenzene
Concen: 42.983 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003494.D
Acq: 03 Nov 2020 15:55

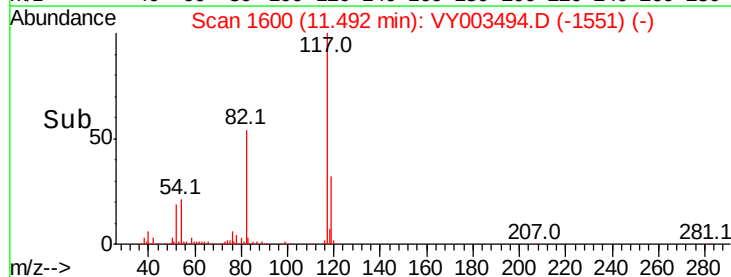
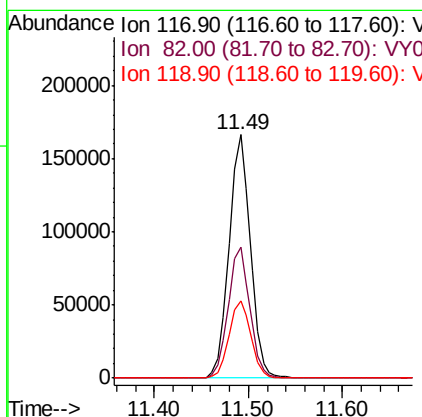
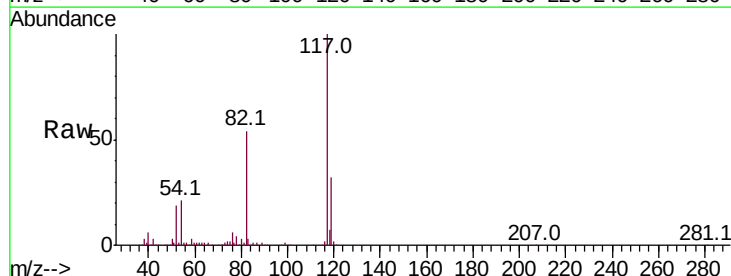
Instrument :
MSVOA_Y
ClientSampleId :
CRT-01

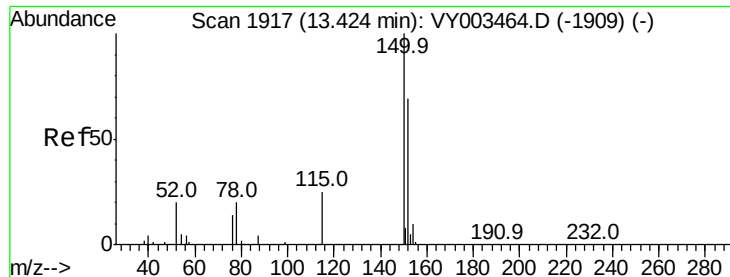
Tot Ion	Ratio	Lower	Upper
95	100		
174	96.4	0.0	193.0
176	92.7	0.0	187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003494.D
Acq: 03 Nov 2020 15:55

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.4	65.2
119	31.5	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: VY003494.D

Acq: 03 Nov 2020 15:55

Instrument :

MSVOA_Y

ClientSampleId :

CRT-01

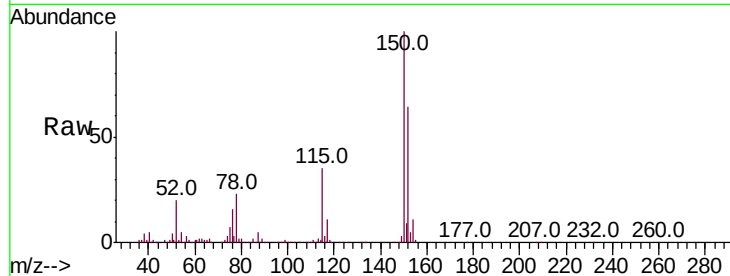
Tot Ion:152 Resp: 111892

Ion Ratio Lower Upper

152 100

115 55.2 27.5 82.4

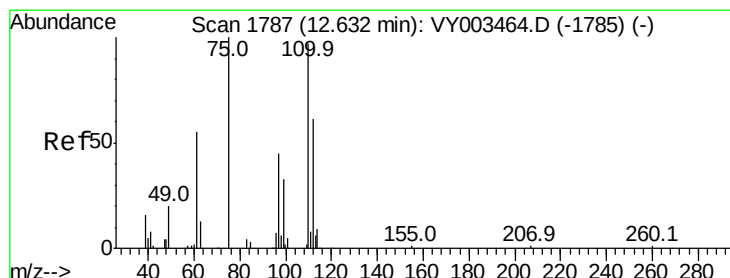
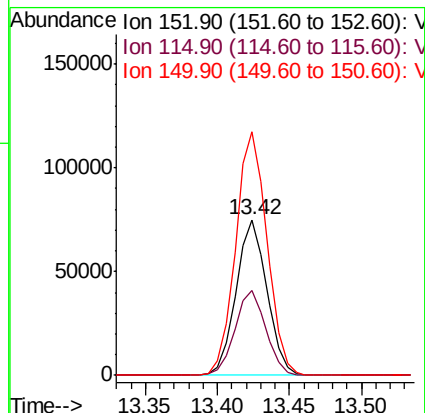
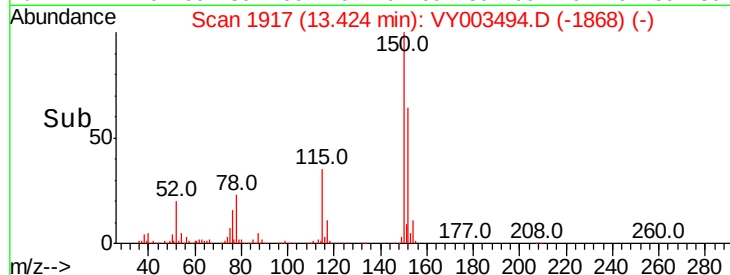
150 158.6 0.0 345.8



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: 48.924 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003494.D

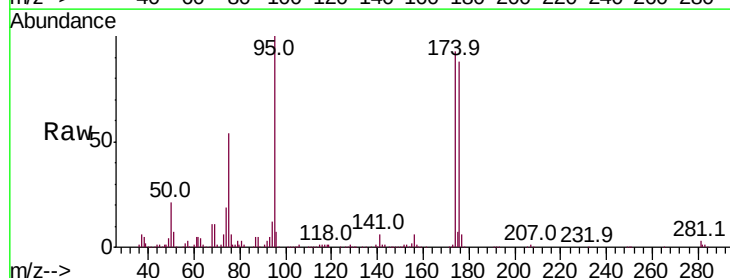
Acq: 03 Nov 2020 15:55

Tgt Ion: 75 Resp: 57921

Ion Ratio Lower Upper

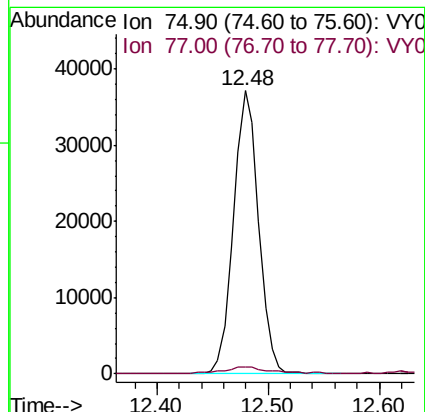
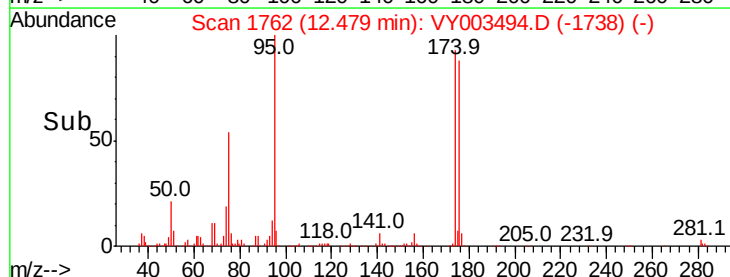
75 100

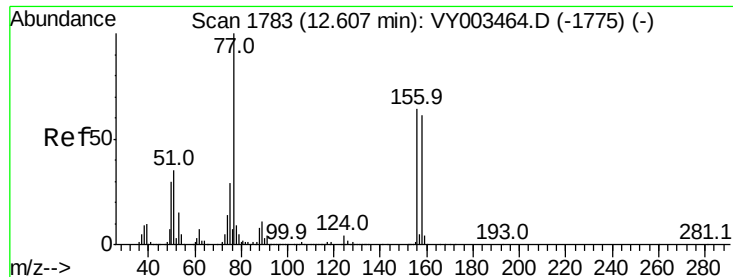
77 5.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 8.185 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.07 min

Lab File: VY003494.D

Acq: 03 Nov 2020 15:55

Instrument :

MSVOA_Y

ClientSampled :

CRT-01

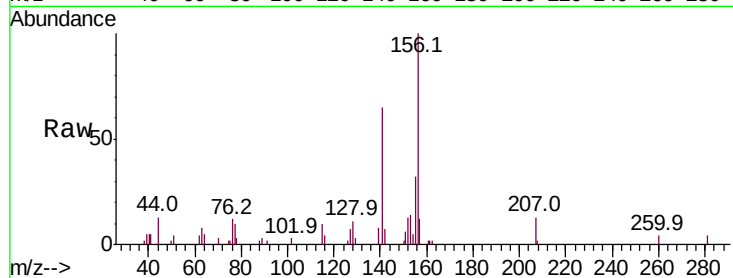
Tot Ion:156 Resp: 15201

Ion Ratio Lower Upper

156 100

77 3.2 87.0 260.9#

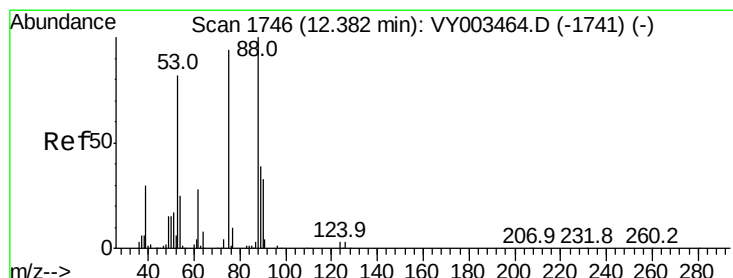
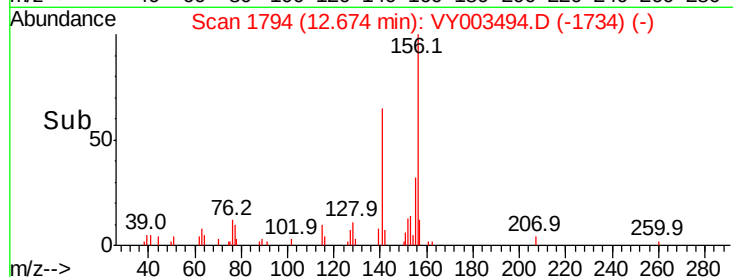
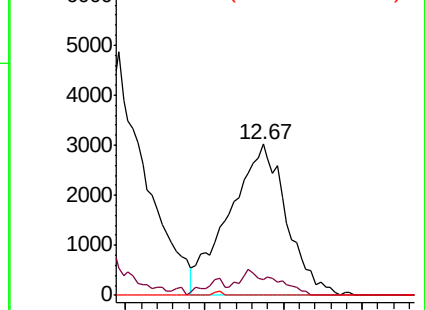
158 0.0 48.7 146.1#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 102.113 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003494.D

Acq: 03 Nov 2020 15:55

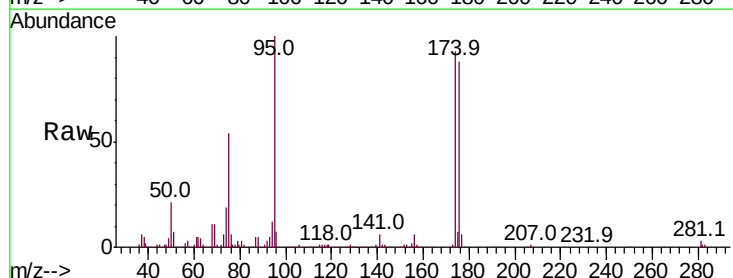
Tgt Ion: 75 Resp: 57921

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

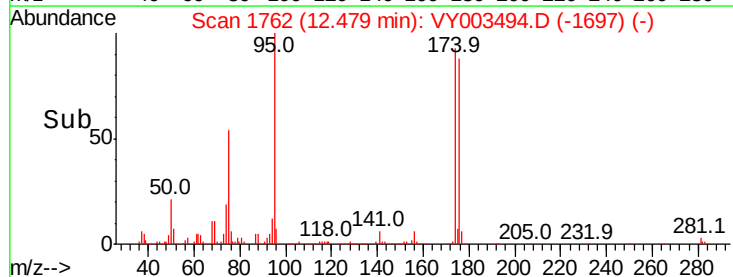
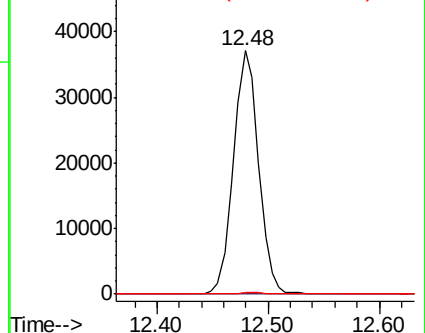
89 1.0 35.8 53.8#

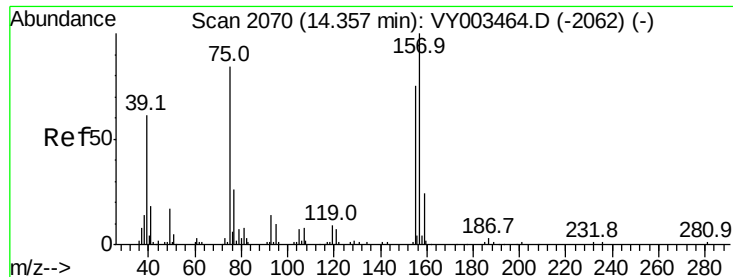


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#92

1,2-Dibromo-3-Chloropropane

Concen: 10.636 ug/l

RT: 14.52 min Scan# 2096

Delta R.T. 0.16 min

Lab File: VY003494.D

Acq: 03 Nov 2020 15:55

Instrument :

MSVOA_Y

ClientSampleId :

CRT-01

Tot Ion: 75 Resp: 3006

Ion Ratio Lower Upper

75 100

155 0.0 45.6 136.7#

157 0.0 60.3 180.8#

