

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110320\
 Data File : VY003492.D
 Acq On : 03 Nov 2020 15:10
 Operator : SY/MD
 Sample : L4600-09
 Misc : 5.44G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRT-19

Quant Time: Nov 04 00:24:06 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	164255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	289098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	264910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	124901	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	110844	65.82	ug/l	0.00
Spiked Amount			Recovery	=	131.64%	
35) Dibromofluoromethane	7.73	113	94865	53.92	ug/l	0.00
Spiked Amount			Recovery	=	107.84%	
50) Toluene-d8	10.18	98	361015	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	12.48	95	109461	45.14	ug/l	0.00
Spiked Amount			Recovery	=	90.28%	

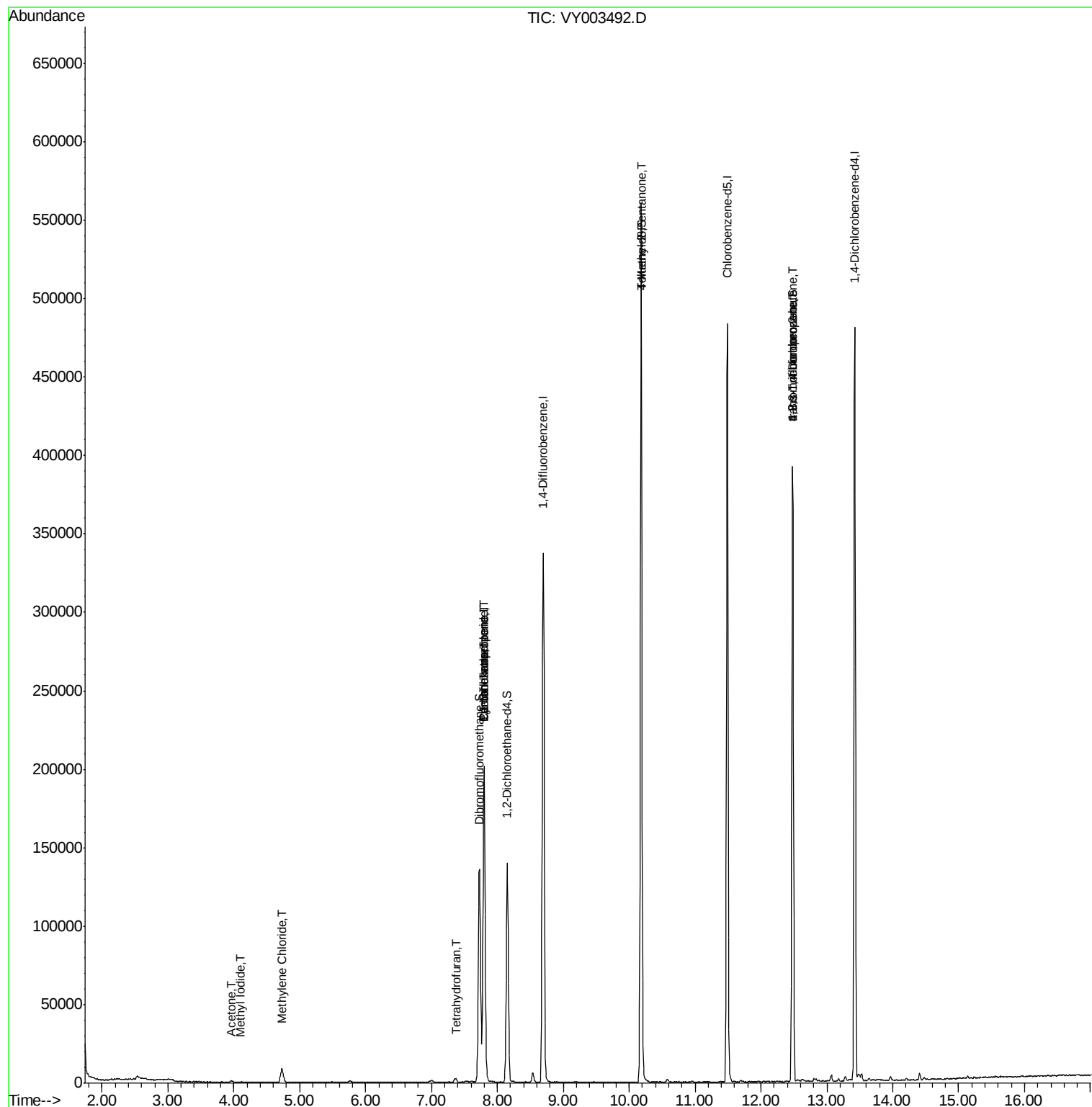
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.10	142	241	4.763	ug/l #	61
11) Tert butyl alcohol	4.98	59	81	Below Cal	#	73
16) Acetone	3.96	43	1664	2.996	ug/l	93
20) Methylene Chloride	4.72	84	6248	3.994	ug/l	91
29) Tetrahydrofuran	7.36	42	1794	4.942	ug/l	96
31) Cyclohexane	7.79	56	3158	1.251	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	11319	4.153	ug/l #	49
38) Carbon Tetrachloride	7.80	117	14702	5.199	ug/l #	18
51) 4-Methyl-2-Pentanone	10.18	43	1700	1.049	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	59409	44.954	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	59409	93.827	ug/l #	12

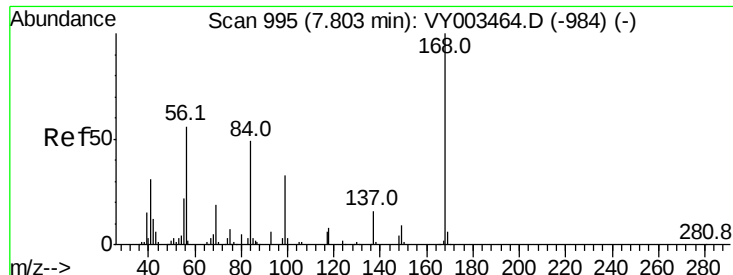
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003492.D

Acq: 03 Nov 2020 15:10

Instrument :

MSVOA_Y

ClientSampled :

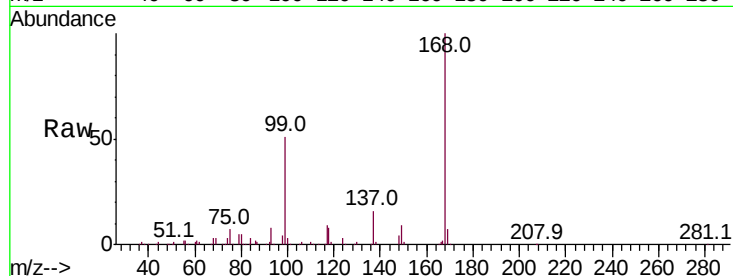
CRT-19

Tot Ion:168 Resp: 164255

Ion Ratio Lower Upper

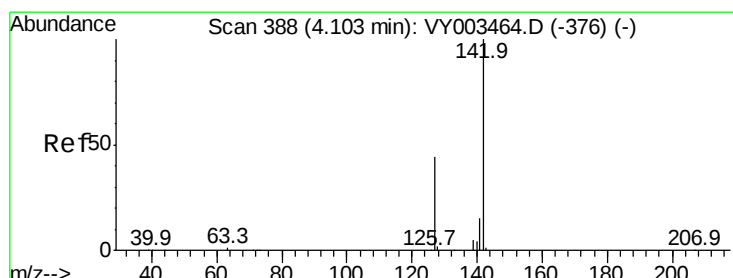
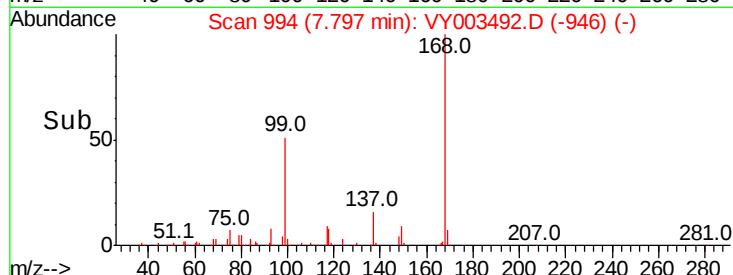
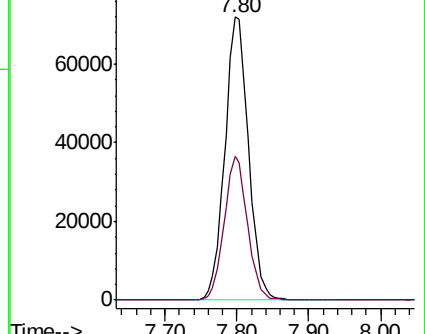
168 100

99 50.9 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: 4.763 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.01 min

Lab File: VY003492.D

Acq: 03 Nov 2020 15:10

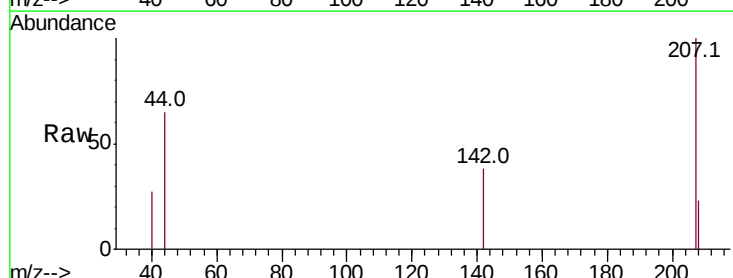
Tgt Ion:142 Resp: 241

Ion Ratio Lower Upper

142 100

127 17.0 34.5 51.7#

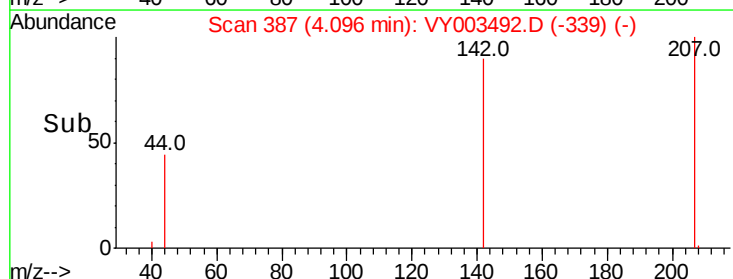
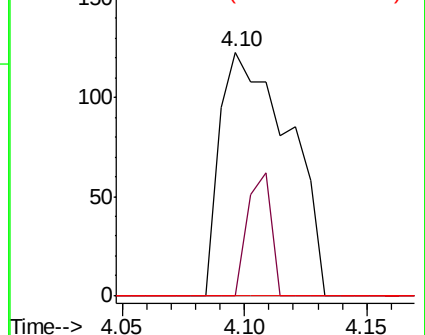
141 0.0 11.8 17.8#

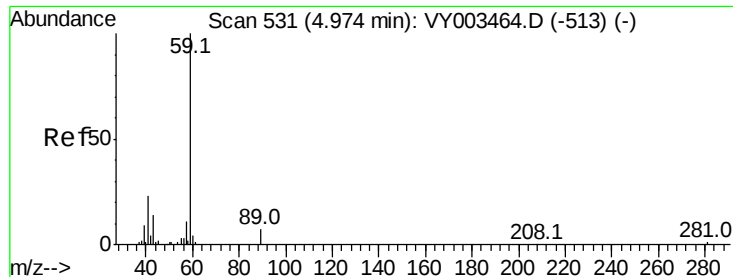


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



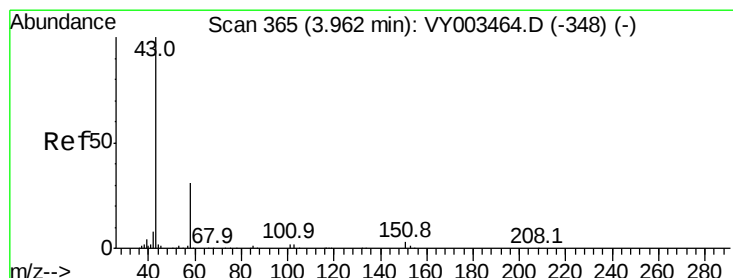
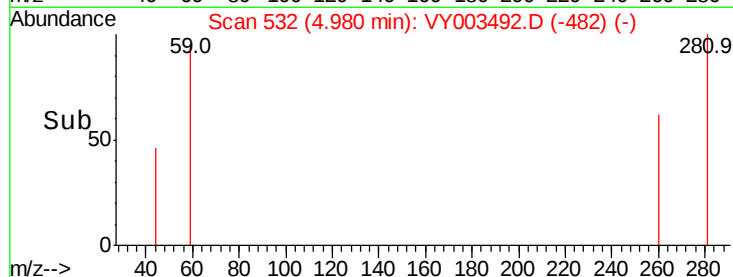
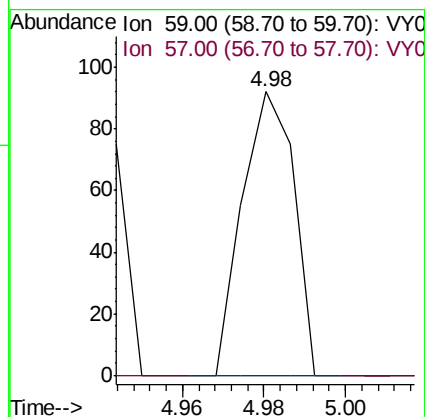
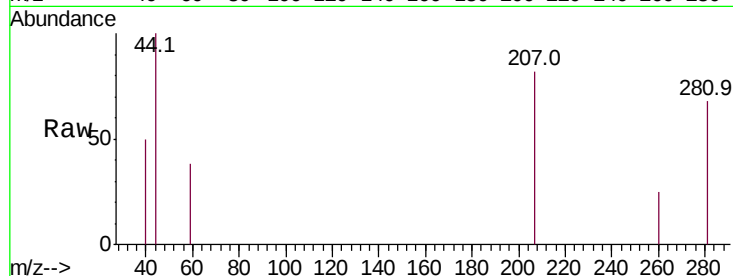


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.98 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VY003492.D
 Acq: 03 Nov 2020 15:10

Instrument :
 MSVOA_Y
 ClientSampled :
 CRT-19

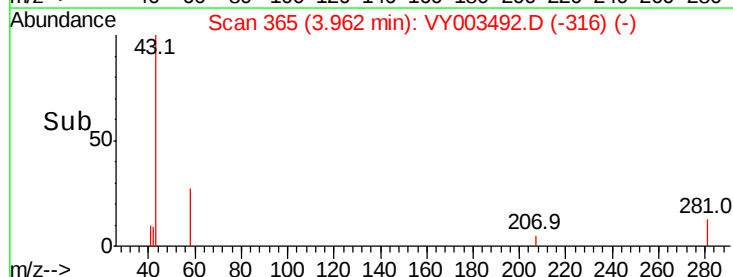
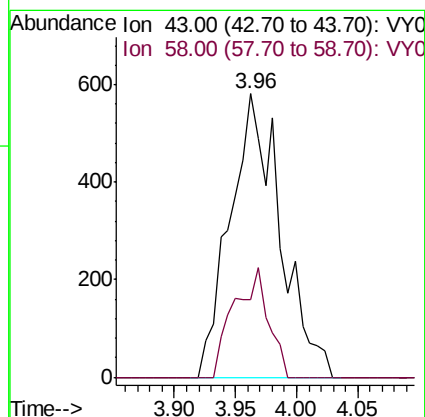
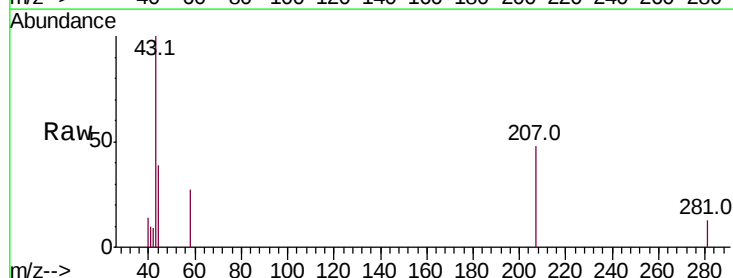
Tot Ion: 59 Resp: 81
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

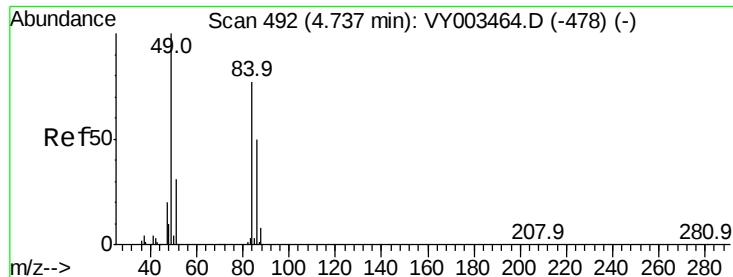


#16

Acetone
 Concen: 2.996 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VY003492.D
 Acq: 03 Nov 2020 15:10

Tgt Ion: 43 Resp: 1664
 Ion Ratio Lower Upper
 43 100
 58 27.2 25.0 37.4

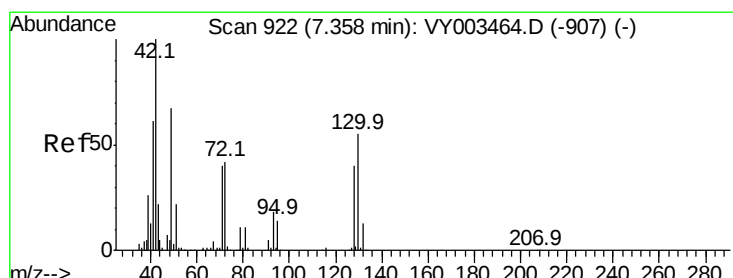
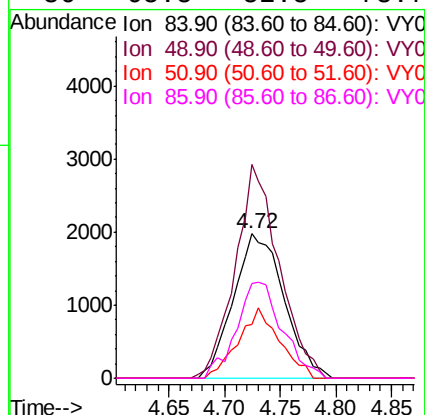
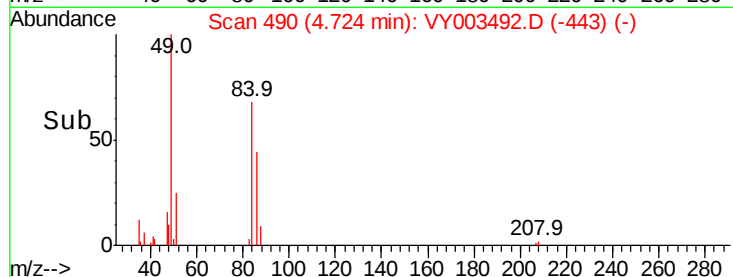
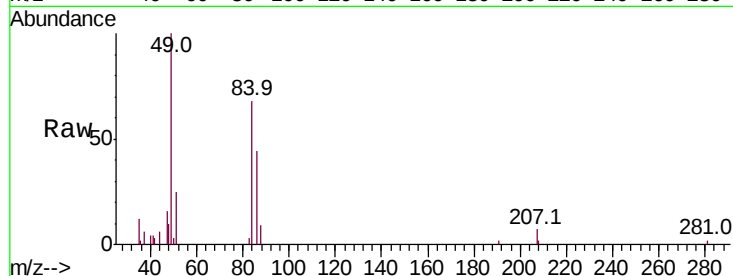




#20
Methvlene Chloride
Concen: 3.994 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY003492.D
Acq: 03 Nov 2020 15:10

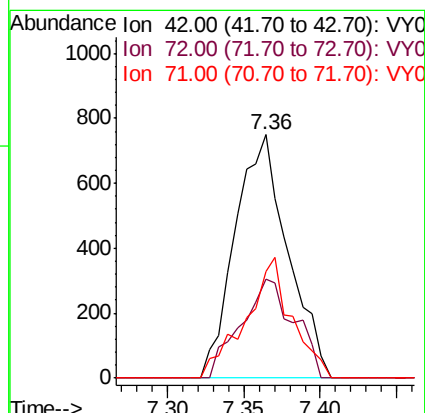
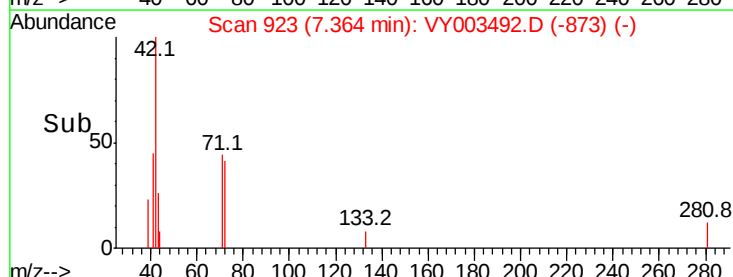
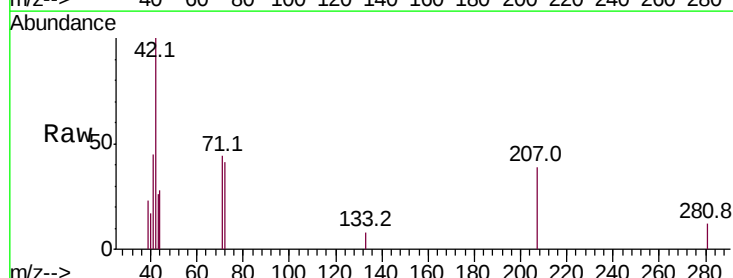
Instrument :
MSVOA_Y
ClientSampleId :
CRT-19

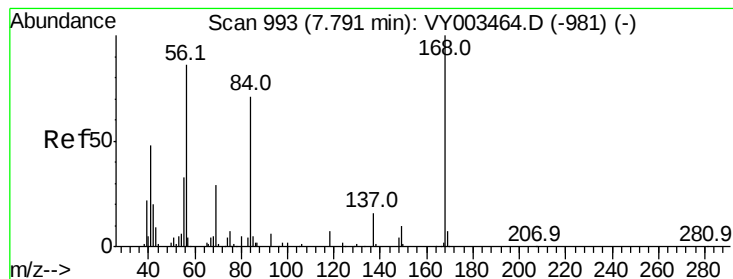
Tot Ion:	84	Resp:	6248
Ion	Ratio	Lower	Upper
84	100		
49	147.8	104.3	156.5
51	37.1	32.5	48.7
86	65.5	52.5	78.7



#29
Tetrahydrofuran
Concen: 4.942 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY003492.D
Acq: 03 Nov 2020 15:10

Tgt Ion:	42	Resp:	1794
Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.8	49.2
71	43.2	30.7	46.1





#31

Cyclohexane

Concen: 1.251 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003492.D

Acq: 03 Nov 2020 15:10

Instrument :

MSVOA_Y

ClientSampleId :

CRT-19

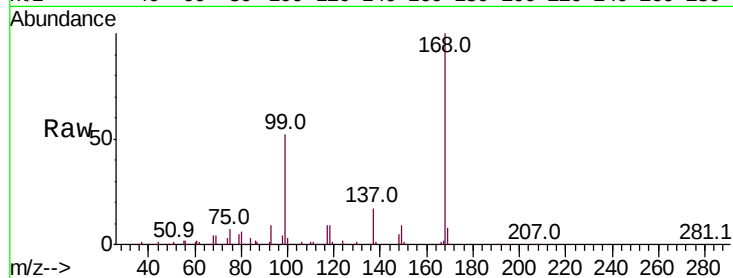
Tot Ion: 56 Resp: 3158

Ion Ratio Lower Upper

56 100

69 159.6 26.6 39.8#

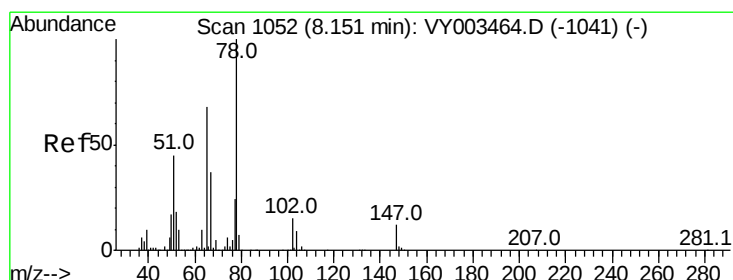
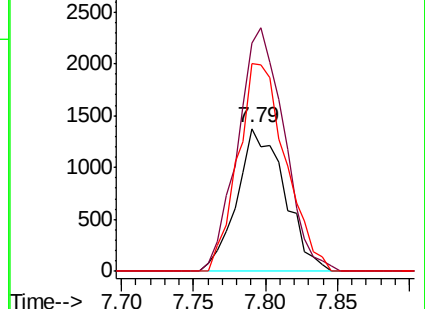
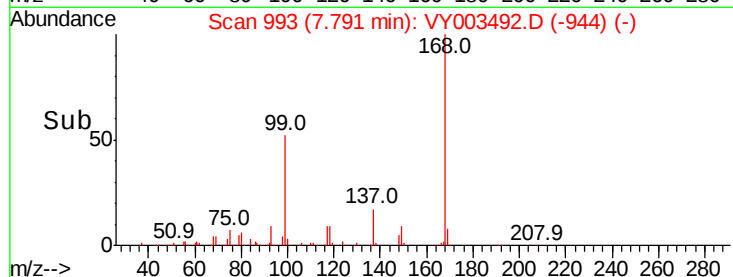
84 144.9 65.9 98.9#



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: 65.825 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY003492.D

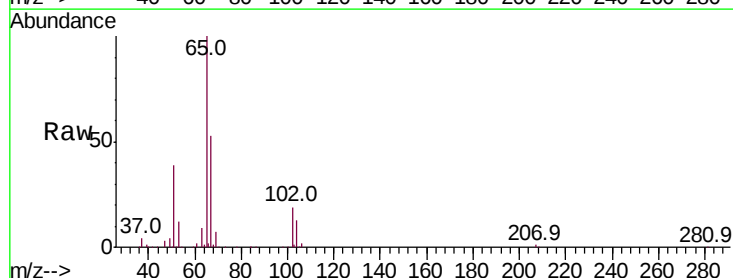
Acq: 03 Nov 2020 15:10

Tgt Ion: 65 Resp: 110844

Ion Ratio Lower Upper

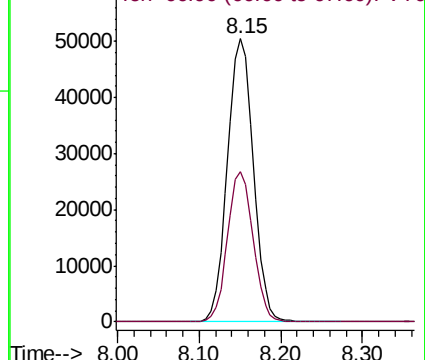
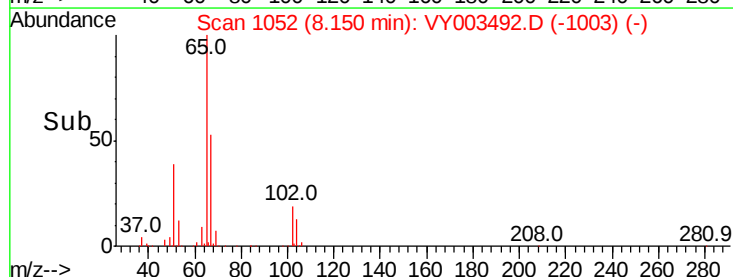
65 100

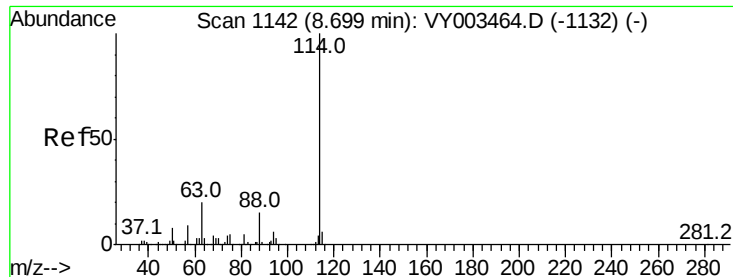
67 52.4 0.0 106.0



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

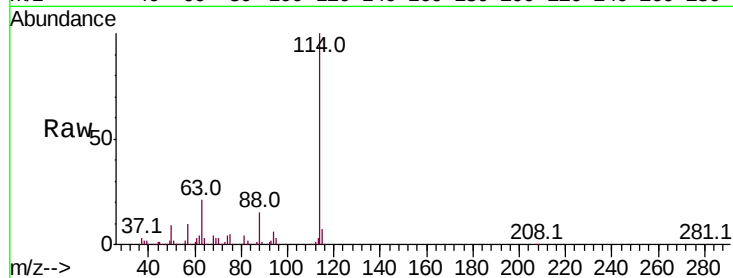
Lab File: VY003492.D

Acq: 03 Nov 2020 15:10

Instrument :
MSVOA_Y
ClientSampleId :
CRT-19

Tot Ion:114 Resp: 289098

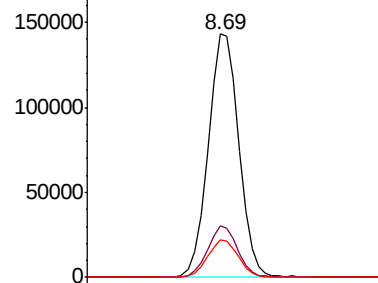
Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.6
88	15.3	0.0	29.4



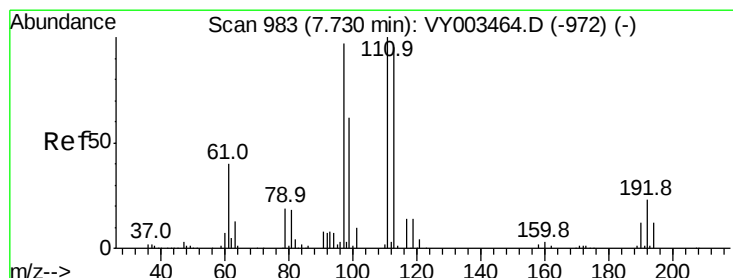
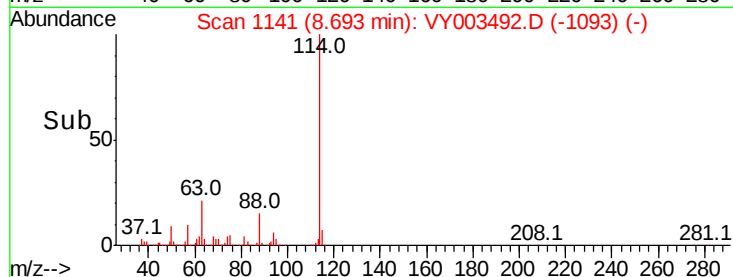
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



Time-->



#35

Dibromofluoromethane

Concen: 53.924 ug/l

RT: 7.73 min Scan# 983

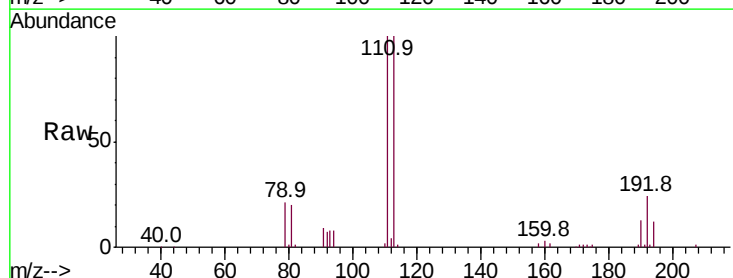
Delta R.T. -0.00 min

Lab File: VY003492.D

Acq: 03 Nov 2020 15:10

Tgt Ion:113 Resp: 94865

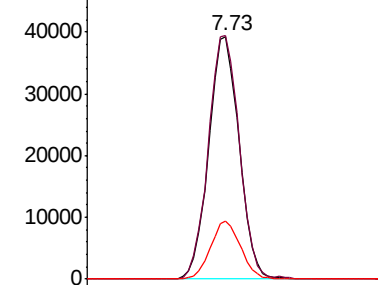
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	23.7	18.8	28.2



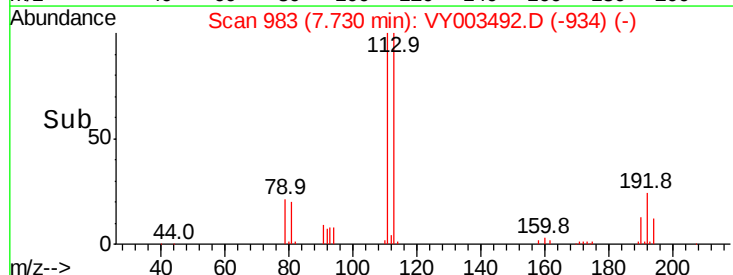
Abundance Ion 112.80 (112.50 to 113.50): V

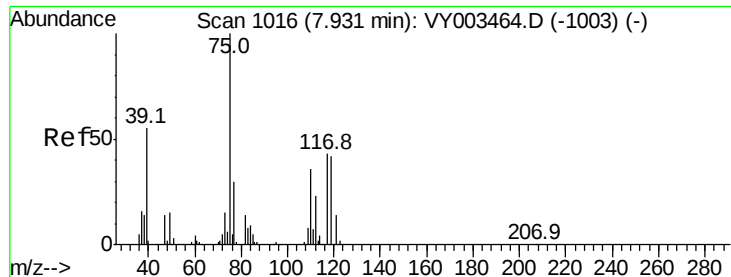
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->





#36

1,1-Dichloropropene

Concen: 4.153 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY003492.D

Acq: 03 Nov 2020 15:10

Instrument :

MSVOA_Y

ClientSampled :

CRT-19

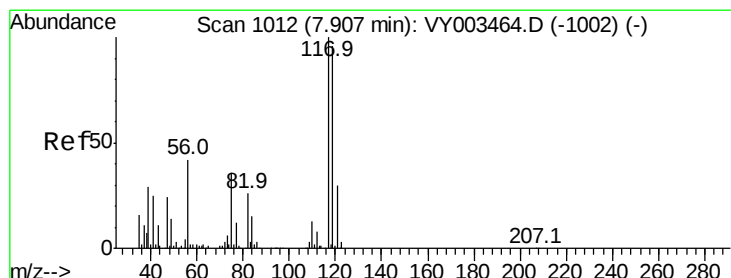
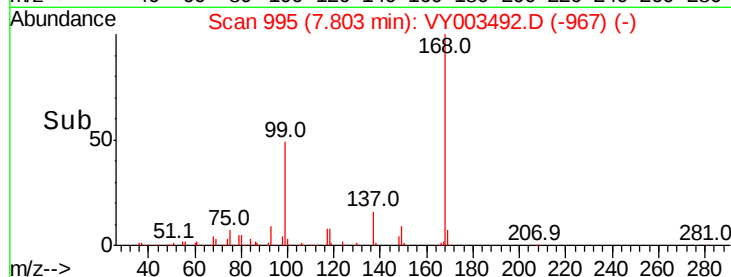
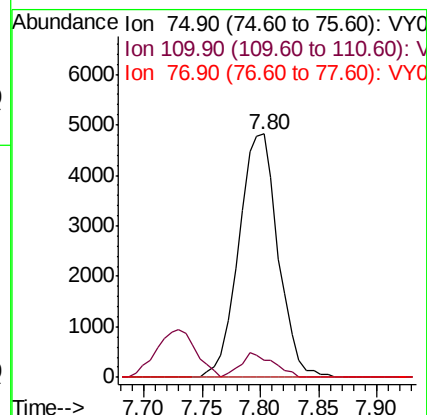
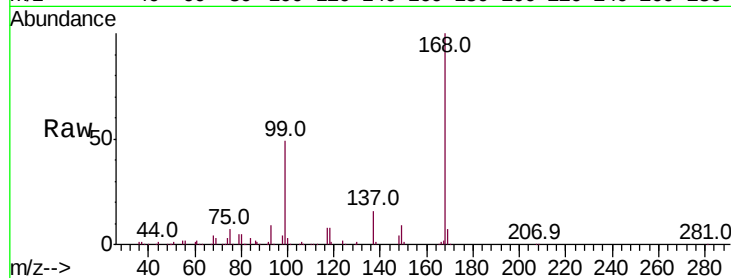
Tot Ion: 75 Resp: 11319

Ion Ratio Lower Upper

75 100

110 8.5 17.6 52.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.199 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003492.D

Acq: 03 Nov 2020 15:10

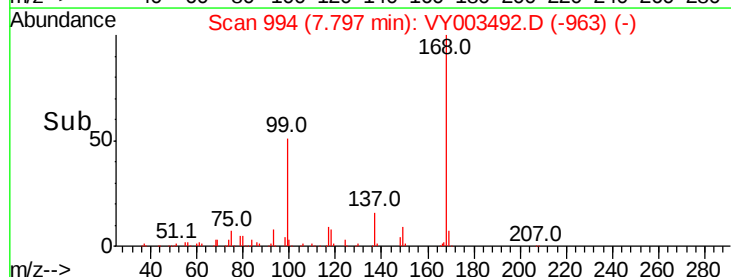
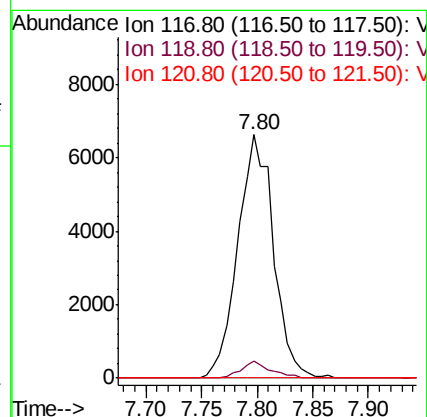
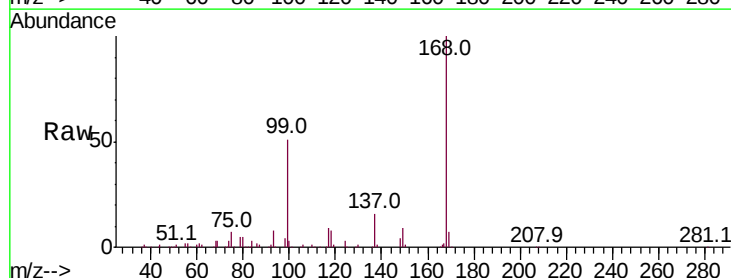
Tgt Ion: 117 Resp: 14702

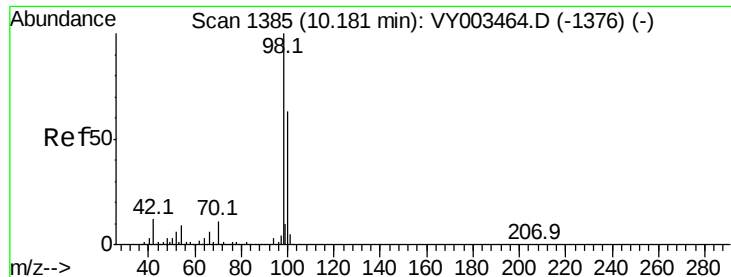
Ion Ratio Lower Upper

117 100

119 7.1 76.2 114.4#

121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 49.329 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003492.D

Acq: 03 Nov 2020 15:10

Instrument :

MSVOA_Y

ClientSampleId :

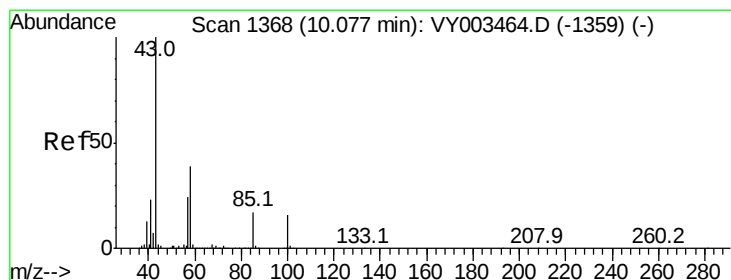
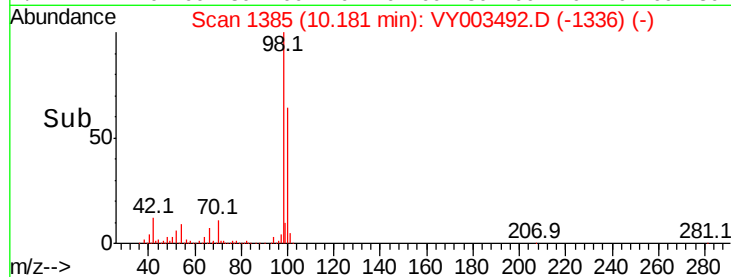
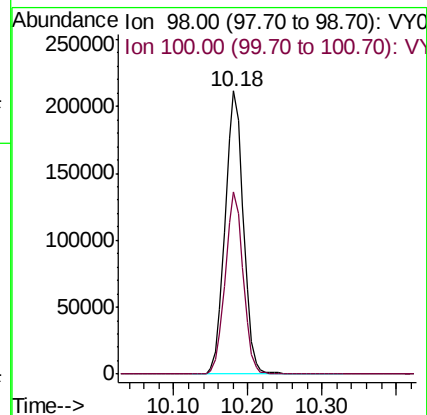
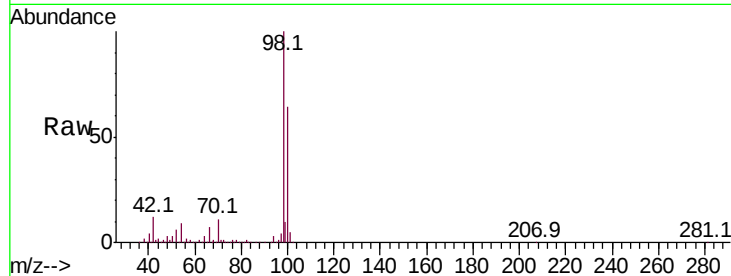
CRT-19

Tot Ion: 98 Resp: 361015

Ion Ratio Lower Upper

98 100

100 63.0 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 1.049 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.10 min

Lab File: VY003492.D

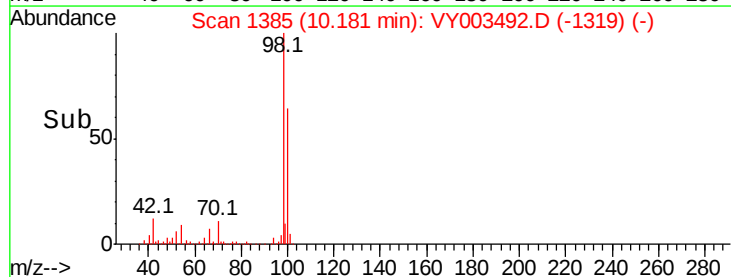
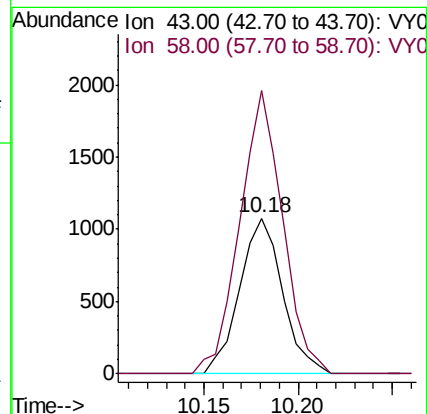
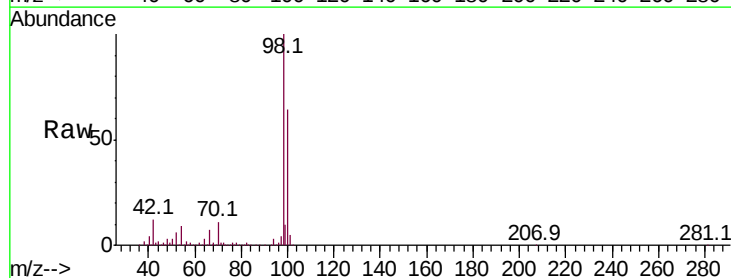
Acq: 03 Nov 2020 15:10

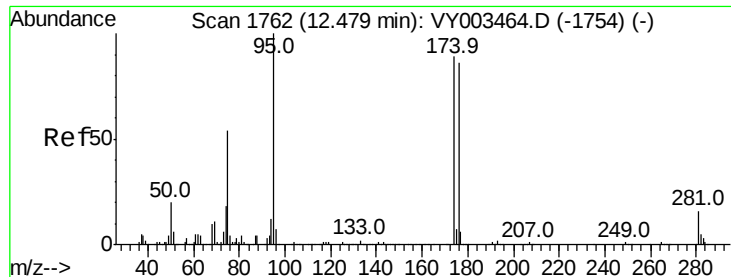
Tgt Ion: 43 Resp: 1700

Ion Ratio Lower Upper

43 100

58 181.5 31.0 46.4#





#62

4-Bromofluorobenzene

Concen: 45.141 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003492.D

Acq: 03 Nov 2020 15:10

Instrument :

MSVOA_Y

ClientSampleId :

CRT-19

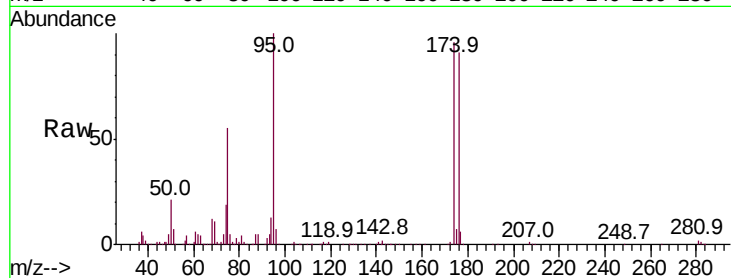
Tot Ion: 95 Resp: 109461

Ion Ratio Lower Upper

95 100

174 98.5 0.0 193.0

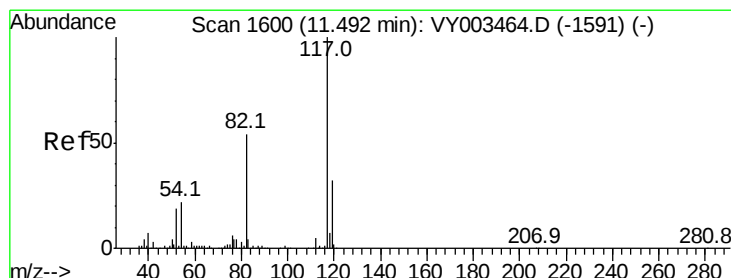
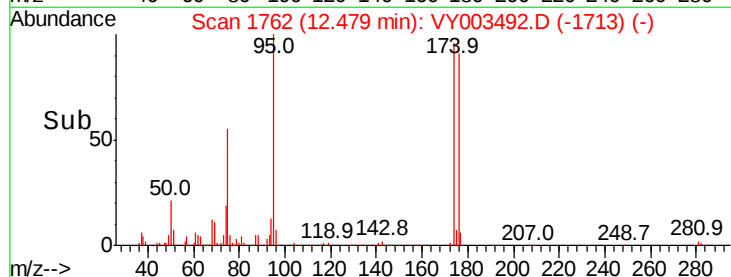
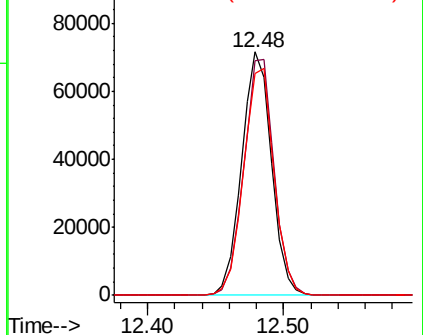
176 95.5 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VY003492.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY003492.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY003492.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003492.D

Acq: 03 Nov 2020 15:10

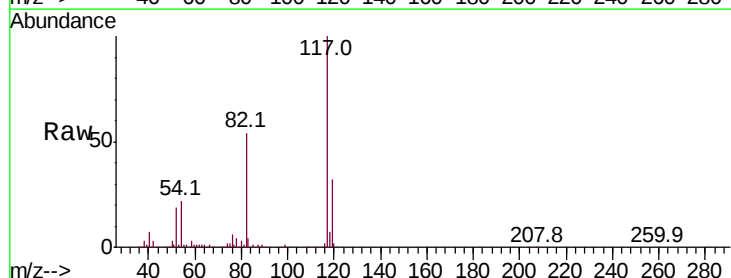
Tgt Ion: 117 Resp: 264910

Ion Ratio Lower Upper

117 100

82 53.7 43.4 65.2

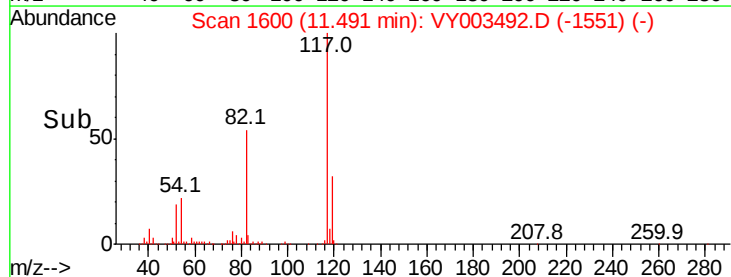
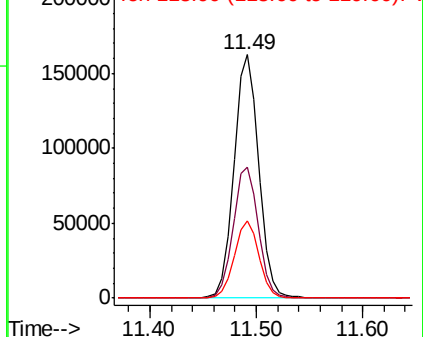
119 31.8 25.8 38.6

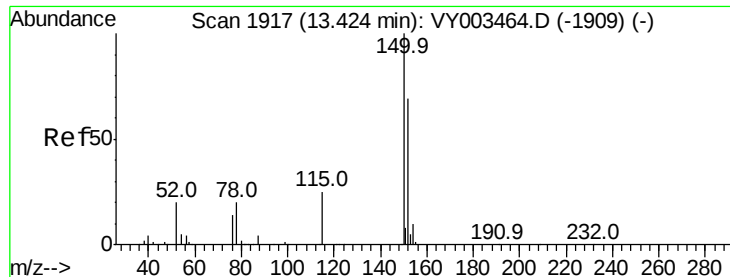


Abundance Ion 116.90 (116.60 to 117.60): VY003492.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY003492.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003492.D (-1551) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY003492.D

Acq: 03 Nov 2020 15:10

Instrument :

MSVOA_Y

ClientSampleId :

CRT-19

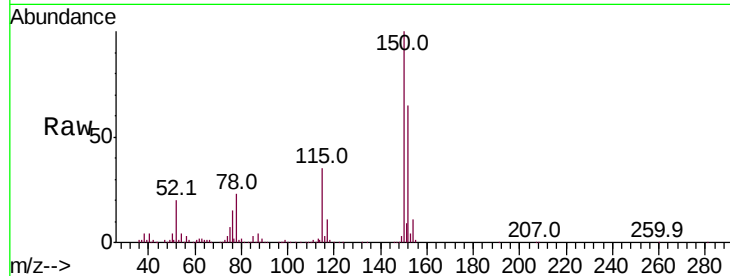
Tot Ion:152 Resp: 124901

Ion Ratio Lower Upper

152 100

115 54.2 27.5 82.4

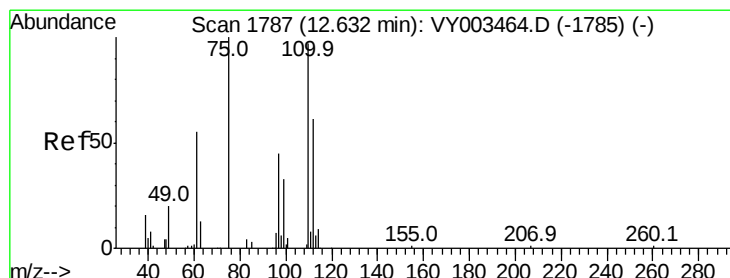
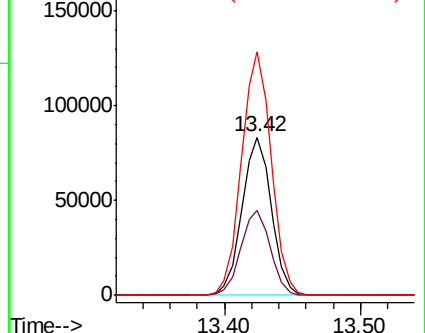
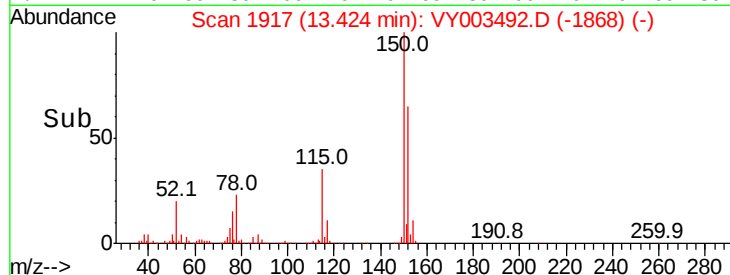
150 156.6 0.0 345.8



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: 44.954 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003492.D

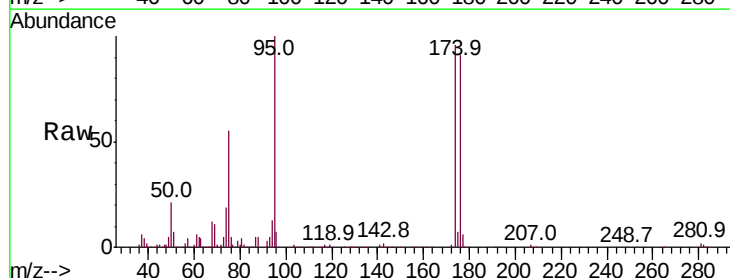
Acq: 03 Nov 2020 15:10

Tgt Ion: 75 Resp: 59409

Ion Ratio Lower Upper

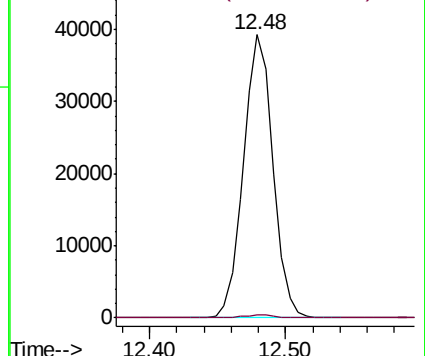
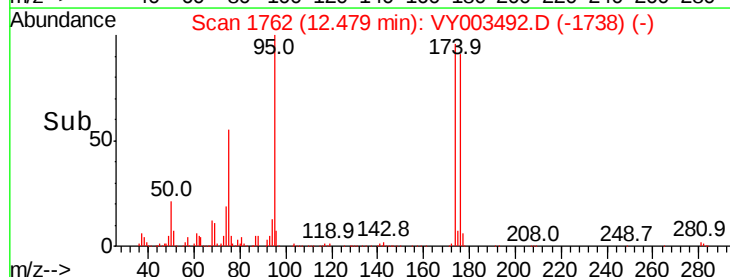
75 100

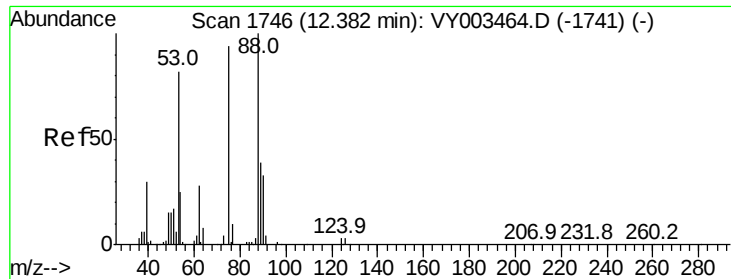
77 1.1 0.0 0.0#



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: 93.827 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003492.D

Acq: 03 Nov 2020 15:10

Instrument :

MSVOA_Y

ClientSampleId :

CRT-19

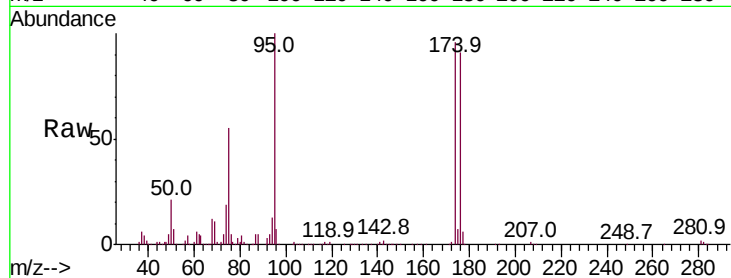
Tot Ion: 75 Resp: 59409

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

