

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000626.D
 Acq On : 08 Nov 2019 18:32
 Operator : SY/MD
 Sample : K5723-13RE
 Misc : 5.79G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 10-BRE

Quant Time: Nov 11 04:46:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	209641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	383514	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	351998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	158974	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	132367	61.01	ug/l	0.00
Spiked Amount			Recovery	=	122.02%	
35) Dibromofluoromethane	7.73	113	114573	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
50) Toluene-d8	10.19	98	444175	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.48	95	161685	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	

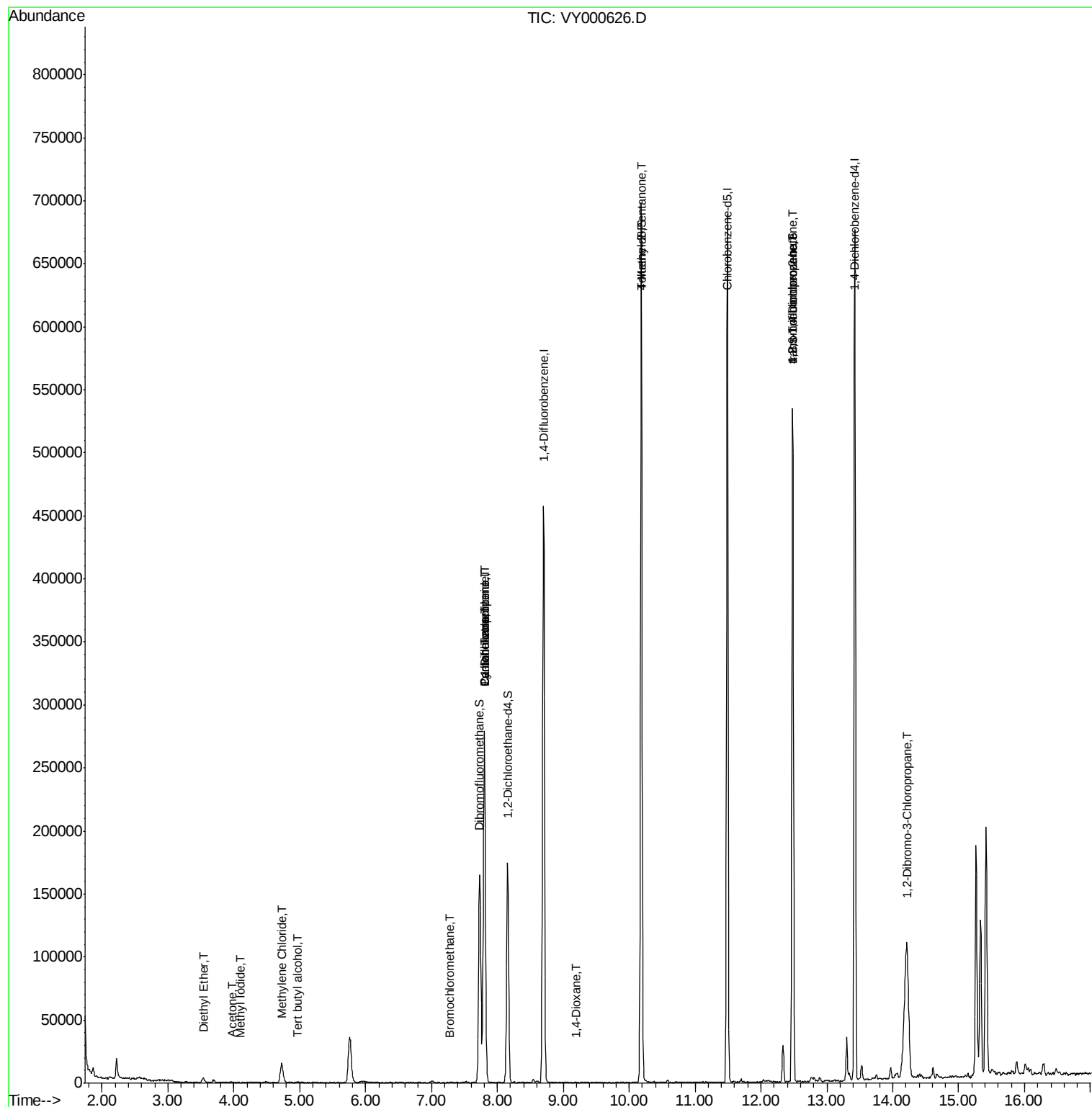
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	2047	1.616	ug/l	86
10) Methyl Iodide	4.10	142	65	3.221	ug/l #	76
11) Tert butyl alcohol	4.97	59	241	1.141	ug/l #	72
16) Acetone	3.97	43	745	1.246	ug/l #	74
20) Methylene Chloride	4.73	84	10154	3.963	ug/l	85
28) Bromochloromethane	7.27	49	20	4.103	ug/l #	14
31) Cyclohexane	7.80	56	5133	1.222	ug/l #	25
36) 1,1-Dichloropropene	7.81	75	17641	4.866	ug/l #	49
38) Carbon Tetrachloride	7.80	117	21269	6.097	ug/l #	14
49) 1,4-Dioxane	9.20	88	52	2.685	ug/l #	1
51) 4-Methyl-2-Pentanone	10.19	43	2368	1.101	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	86885	47.999	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	86885	107.621	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.21	75	1423	3.456	ug/l #	5

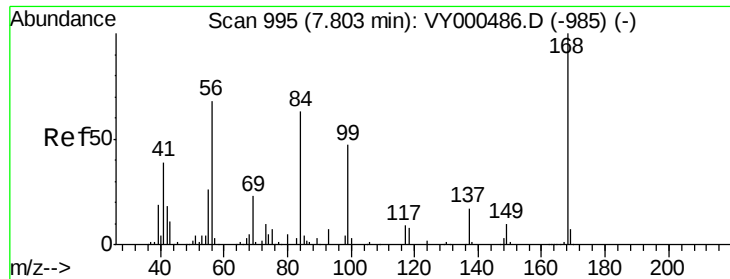
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 11 04:46:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000626.D

Acq: 08 Nov 2019 18:32

Instrument :

MSVOA_Y

ClientSampleId :

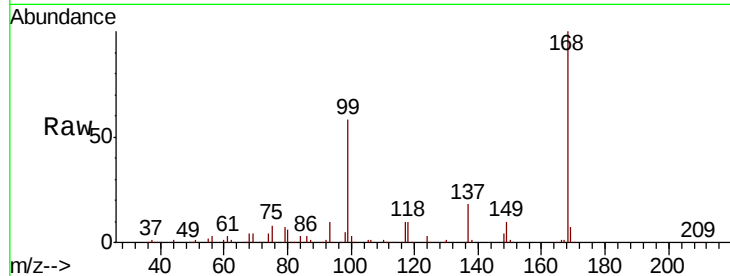
10-BRE

Tot Ion:168 Resp: 209641

Ion Ratio Lower Upper

168 100

99 58.1 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

100000

80000

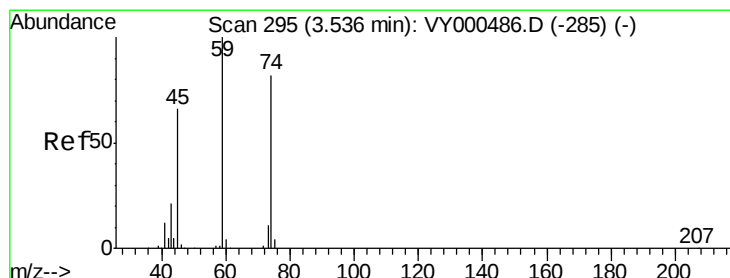
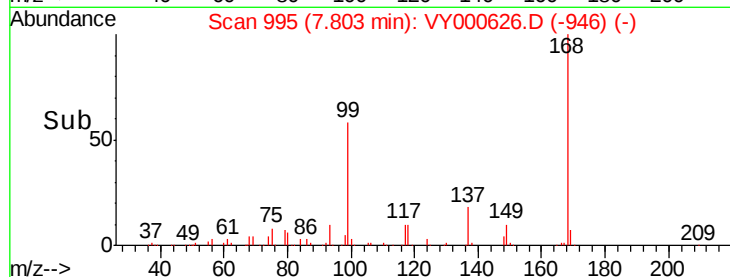
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.616 ug/l

RT: 3.54 min Scan# 295

Delta R.T. -0.00 min

Lab File: VY000626.D

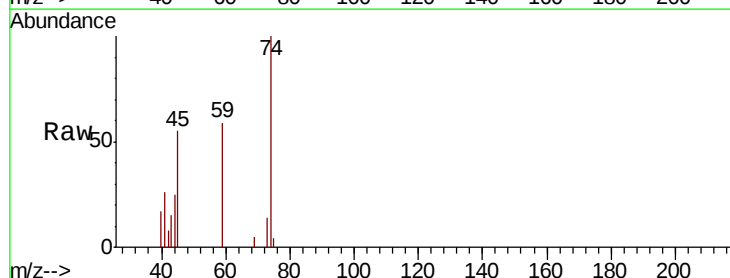
Acq: 08 Nov 2019 18:32

Tgt Ion: 74 Resp: 2047

Ion Ratio Lower Upper

74 100

45 103.7 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY000486.D (-285) (-)

Ion 45.00 (44.70 to 45.70): VY000486.D (-285) (-)

3.54

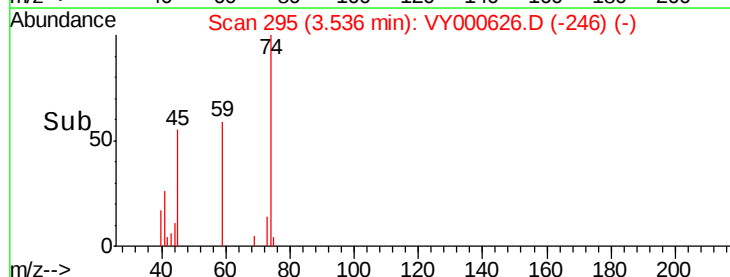
1500

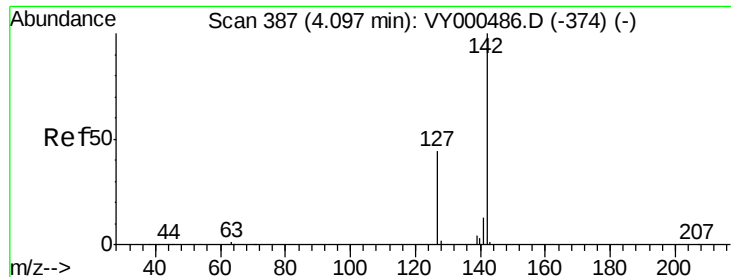
1000

500

0

Time-->





#10

Methyl Iodide

Concen: 3.221 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000626.D

Acq: 08 Nov 2019 18:32

Instrument :

MSVOA_Y

ClientSampled :

10-BRE

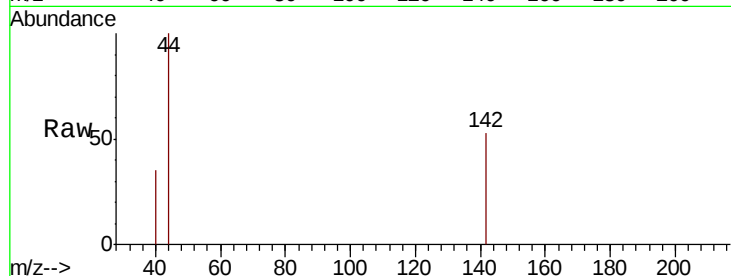
Tot Ion:142 Resp: 65

Ion Ratio Lower Upper

142 100

127 29.2 33.7 50.5#

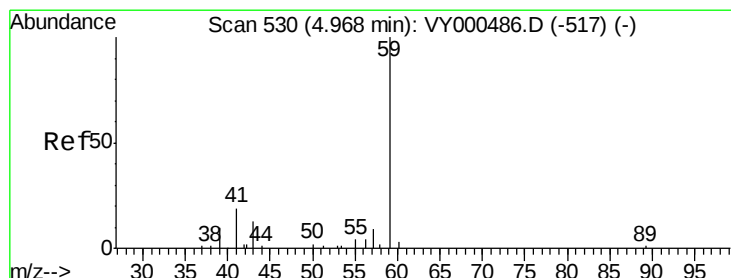
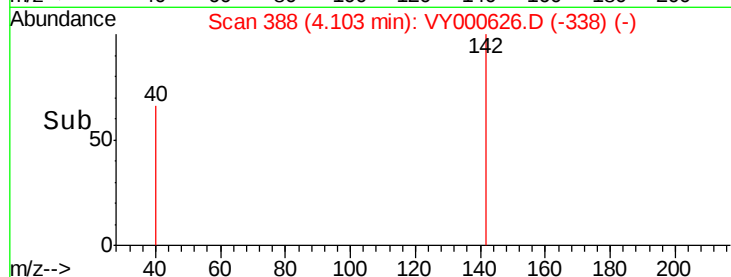
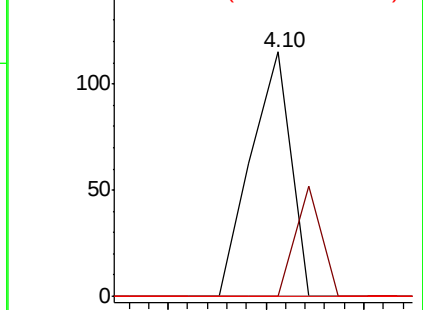
141 0.0 10.9 16.3#



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: 1.141 ug/l

RT: 4.97 min Scan# 530

Delta R.T. -0.00 min

Lab File: VY000626.D

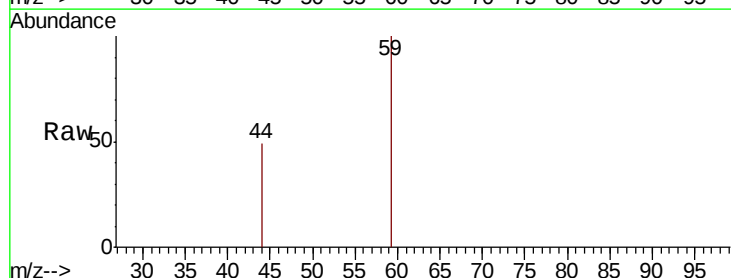
Acq: 08 Nov 2019 18:32

Tgt Ion: 59 Resp: 241

Ion Ratio Lower Upper

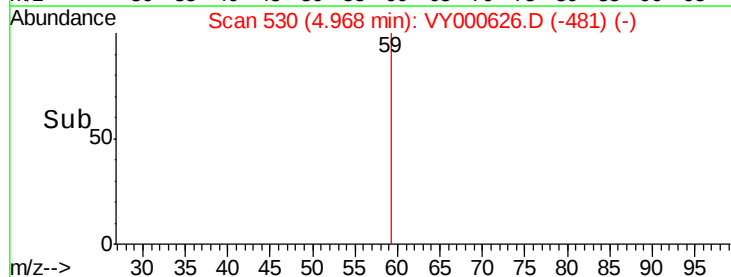
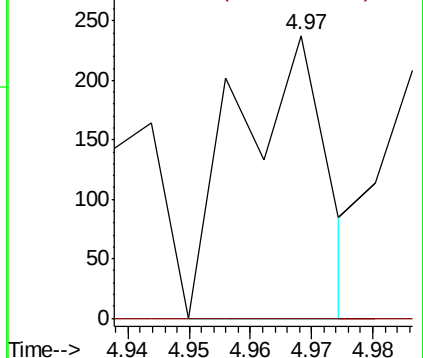
59 100

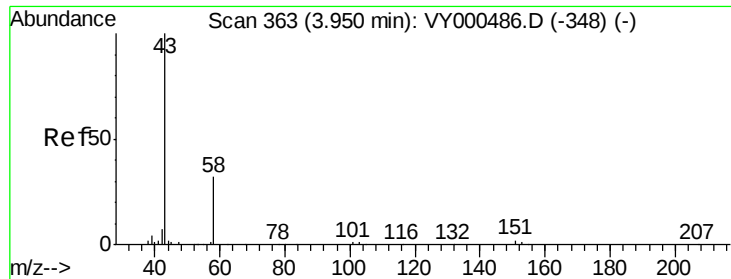
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 1.246 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VY000626.D

Acq: 08 Nov 2019 18:32

Instrument :

MSVOA_Y

ClientSampleId :

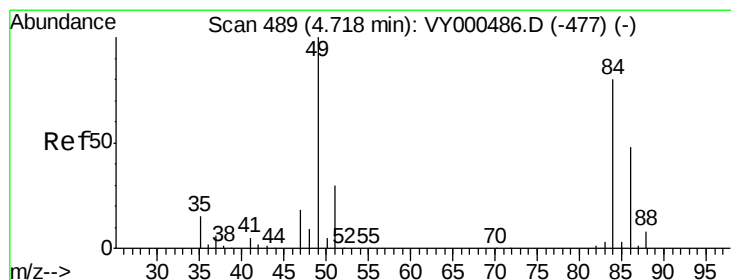
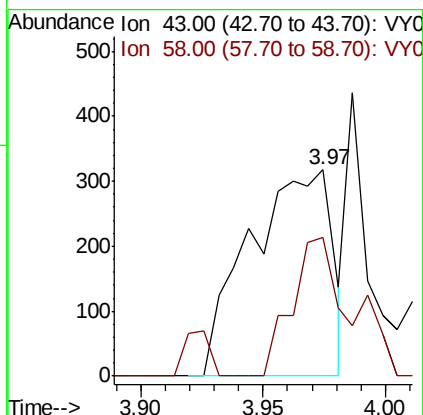
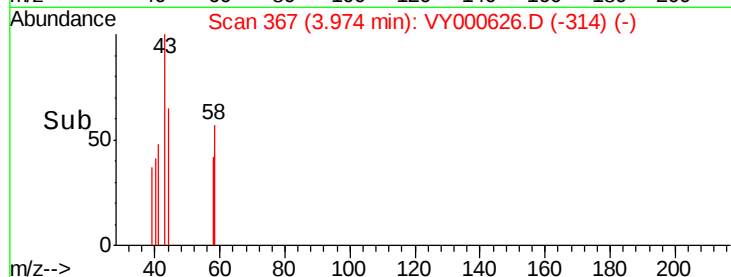
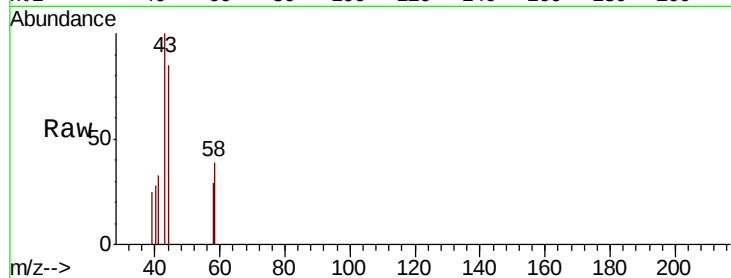
10-BRE

Tot Ion: 43 Resp: 745

Ion Ratio Lower Upper

43 100

58 46.5 25.8 38.6#



#20

Methylene Chloride

Concen: 3.963 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY000626.D

Acq: 08 Nov 2019 18:32

Tgt Ion: 84 Resp: 10154

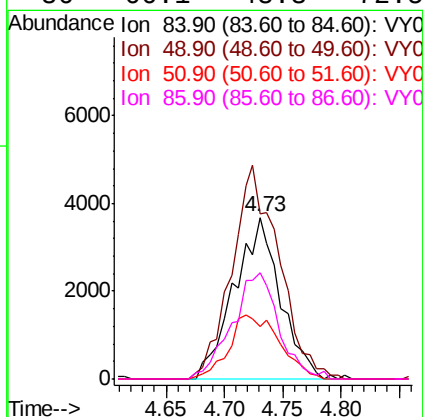
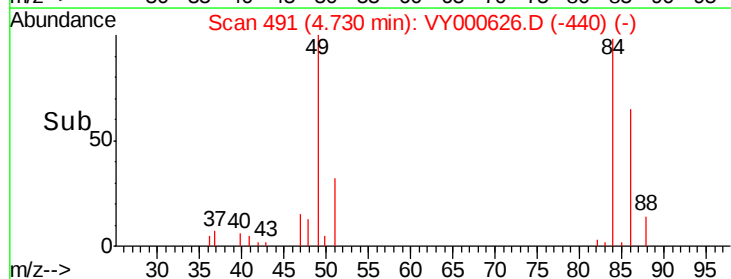
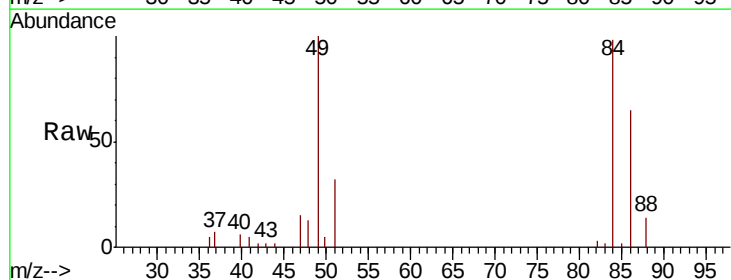
Ion Ratio Lower Upper

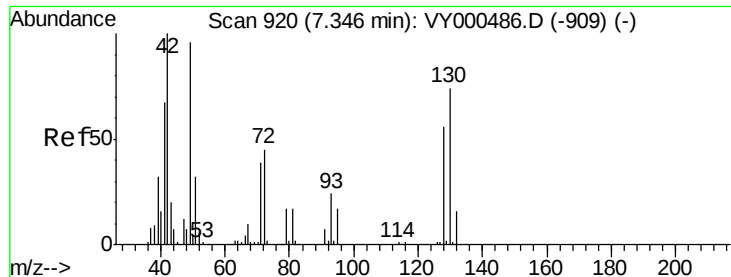
84 100

49 102.3 100.2 150.4

51 32.5 29.6 44.4

86 66.1 48.3 72.5

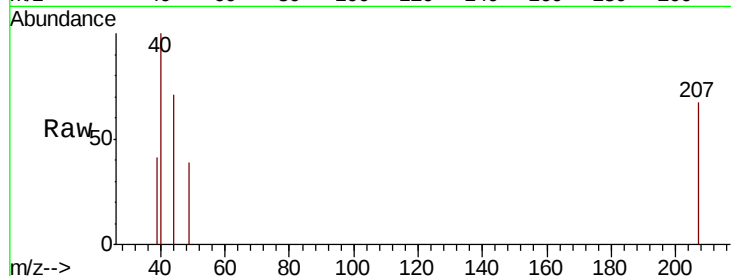




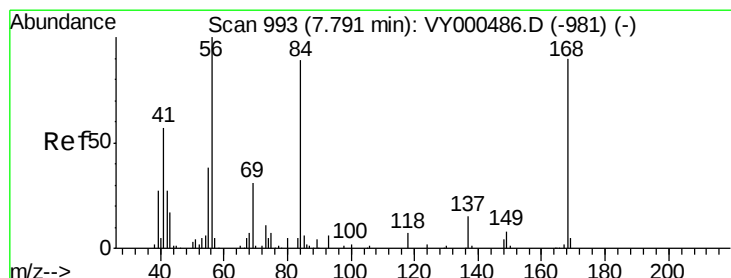
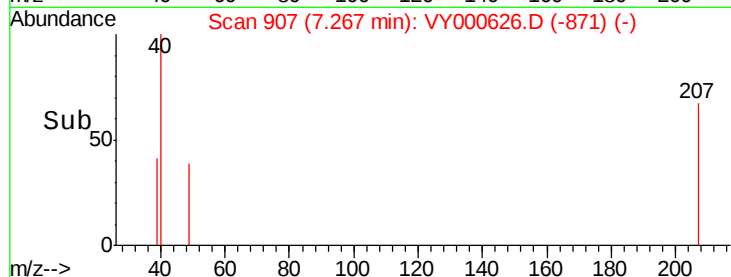
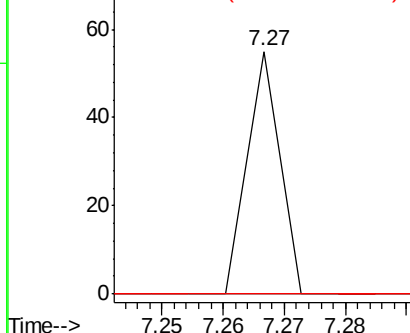
#28
Bromochloromethane
Concen: 4.103 ug/l
RT: 7.27 min Scan# 907
Delta R.T. -0.08 min
Lab File: VY000626.D
Acq: 08 Nov 2019 18:32

Instrument :
MSVOA_Y
ClientSampleId :
10-BRE

Tot Ion: 49 Resp: 20
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#

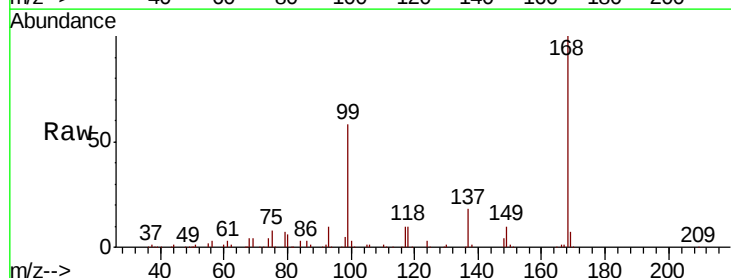


Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0

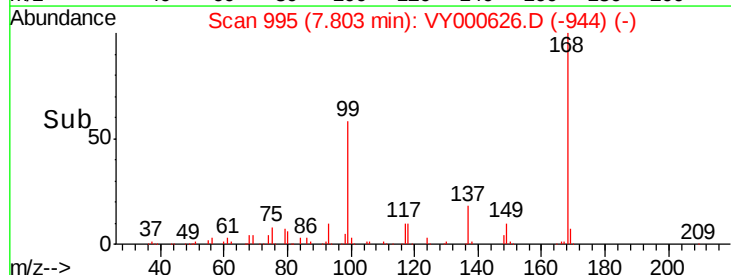
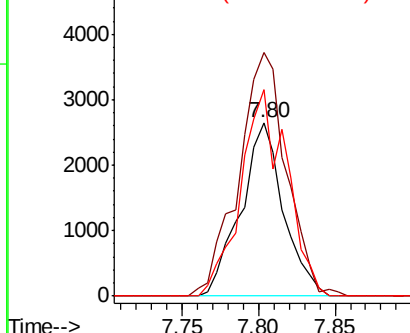


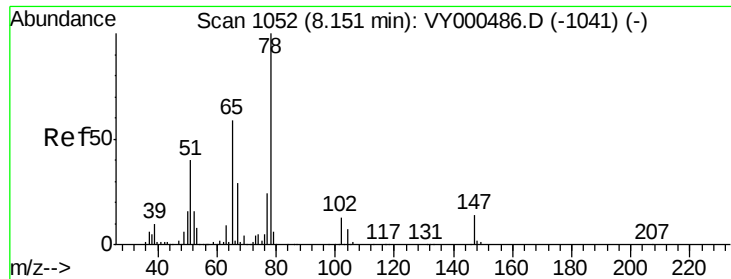
#31
Cyclohexane
Concen: 1.222 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000626.D
Acq: 08 Nov 2019 18:32

Tgt Ion: 56 Resp: 5133
Ion Ratio Lower Upper
56 100
69 140.3 25.0 37.6#
84 119.0 71.4 107.2#



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: 61.012 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY000626.D

Acq: 08 Nov 2019 18:32

Instrument :

MSVOA_Y

ClientSampleId :

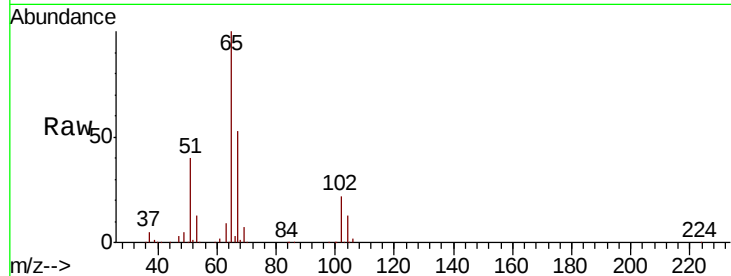
10-BRE

Tot Ion: 65 Resp: 132367

Ion Ratio Lower Upper

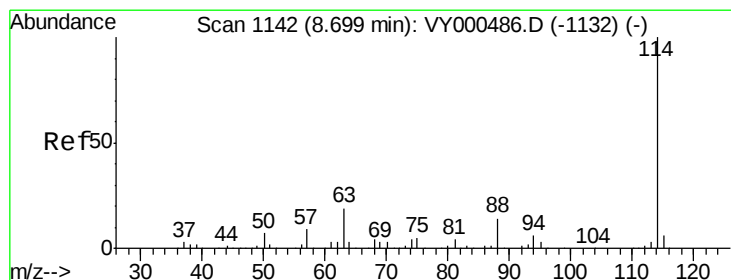
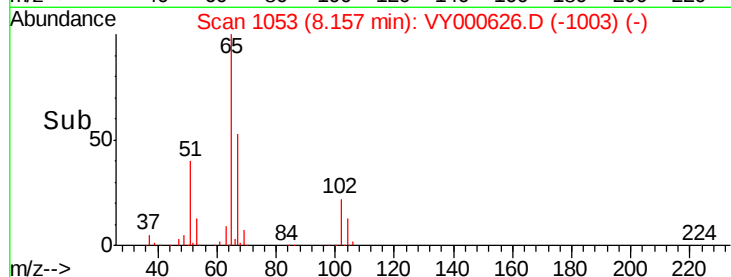
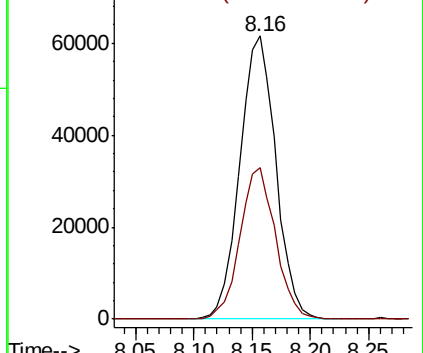
65 100

67 52.8 0.0 107.2



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: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000626.D

Acq: 08 Nov 2019 18:32

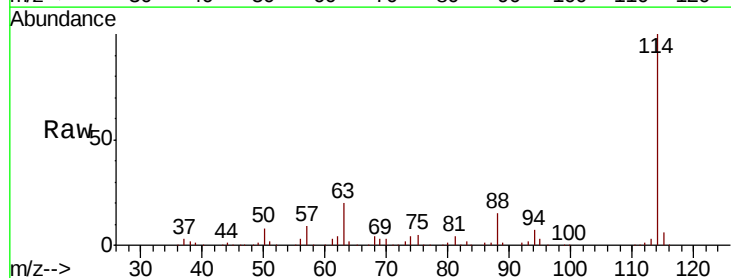
Tgt Ion: 114 Resp: 383514

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.0

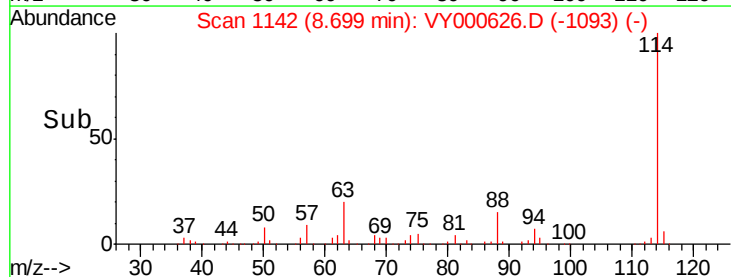
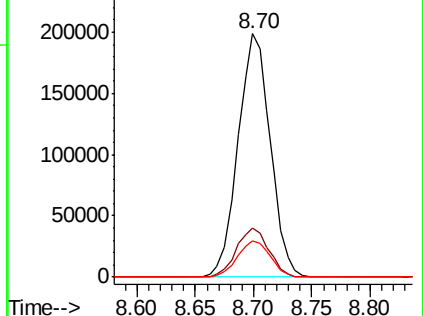
88 15.1 0.0 28.6

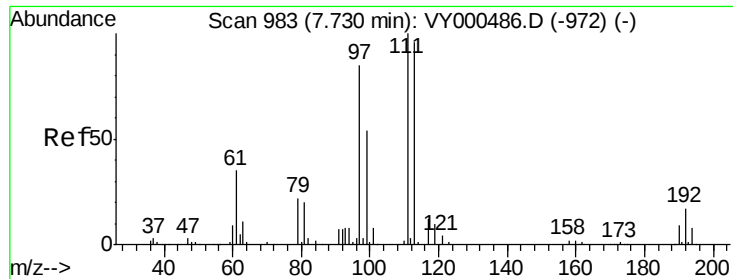


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

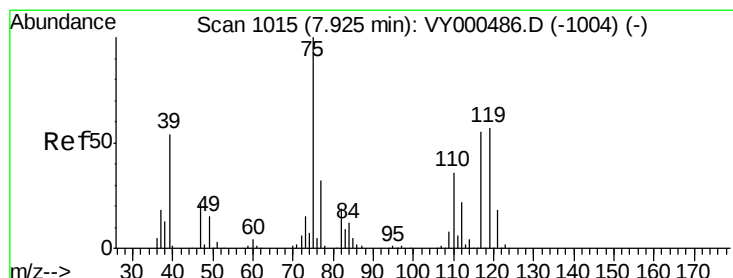
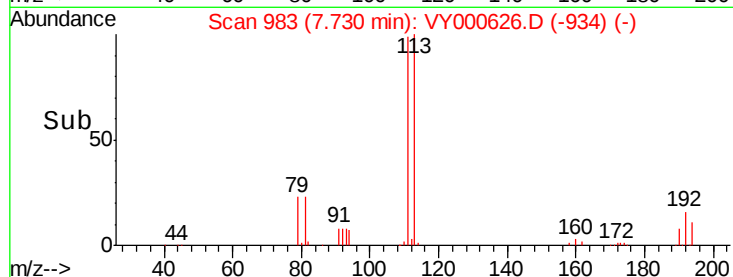
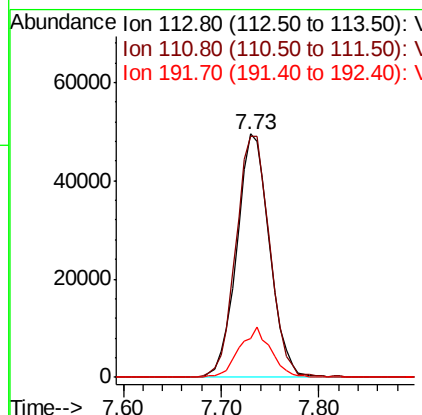
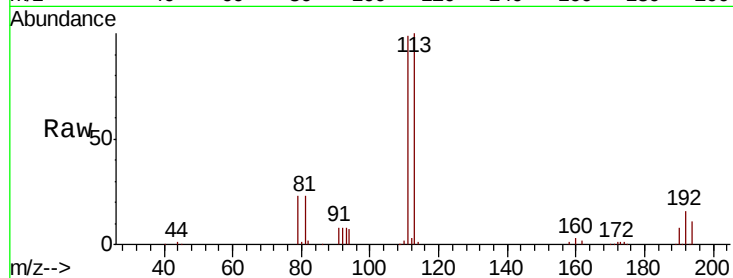




#35
 Dibromofluoromethane
 Concen: 50.888 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000626.D
 Acq: 08 Nov 2019 18:32

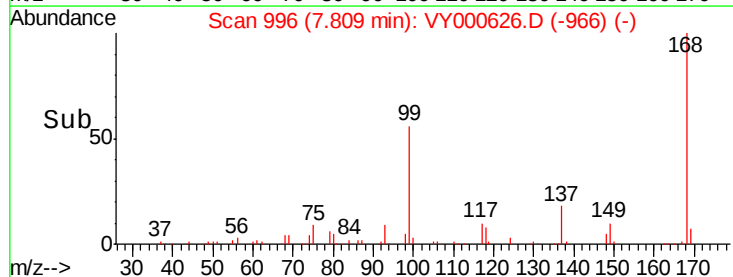
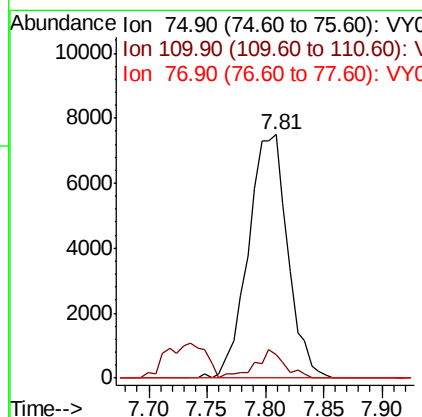
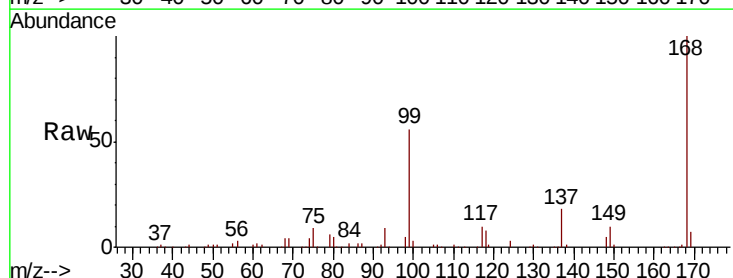
Instrument :
 MSVOA_Y
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 10-BRE

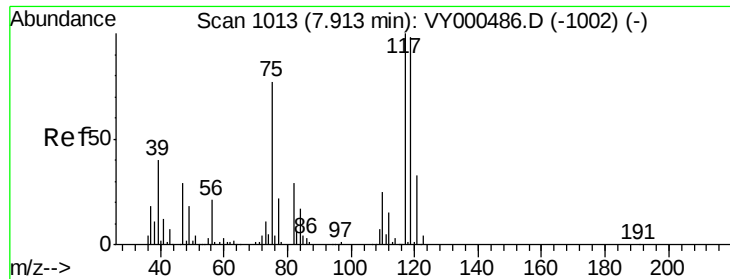
Tot Ion:113 Resp: 114573
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.7 122.5
 192 19.6 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.866 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY000626.D
 Acq: 08 Nov 2019 18:32

Tgt Ion: 75 Resp: 17641
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.1 54.1#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 6.097 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000626.D

Acq: 08 Nov 2019 18:32

Instrument :

MSVOA_Y

ClientSampled :

10-BRE

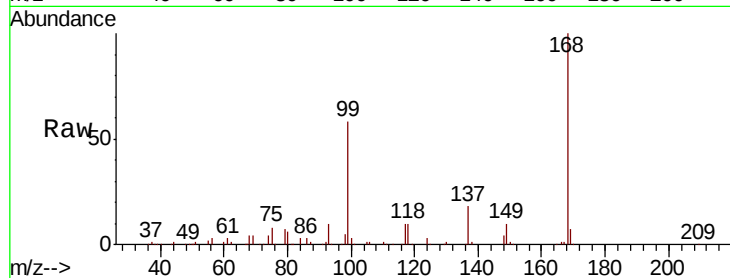
Tot Ion:117 Resp: 21269

Ion Ratio Lower Upper

117 100

119 3.2 78.0 117.0#

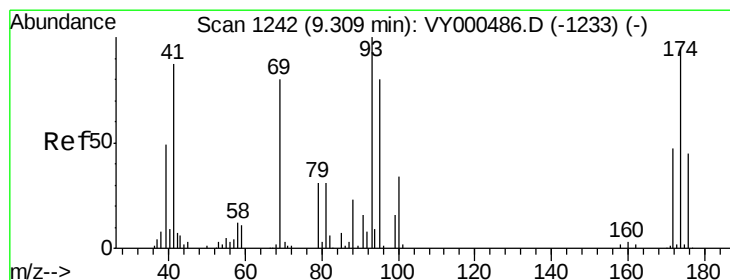
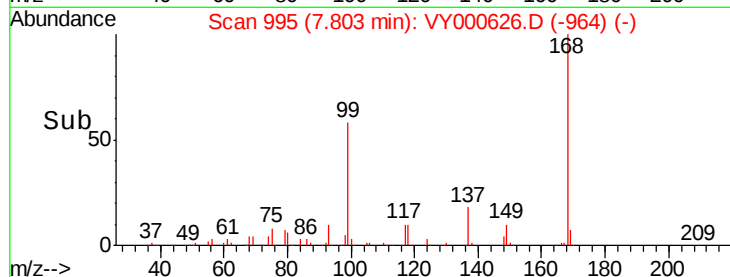
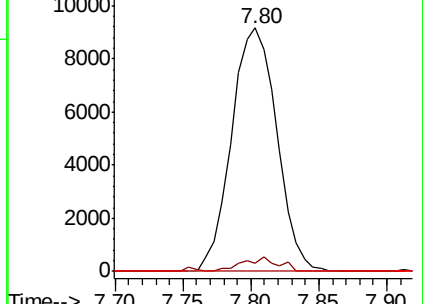
121 0.0 26.6 40.0#



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



#49

1,4-Dioxane

Concen: 2.685 ug/l

RT: 9.20 min Scan# 1224

Delta R.T. -0.11 min

Lab File: VY000626.D

Acq: 08 Nov 2019 18:32

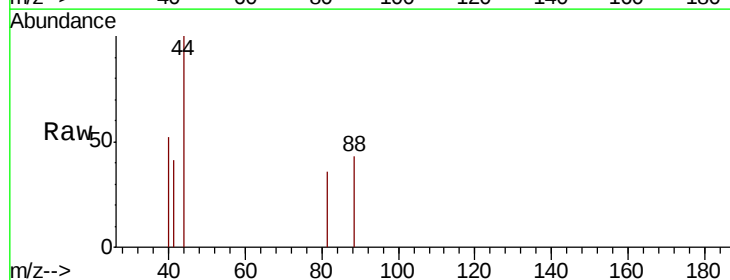
Tgt Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

43 119.2 25.1 37.7#

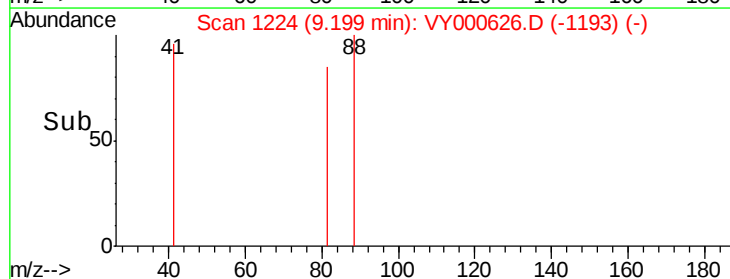
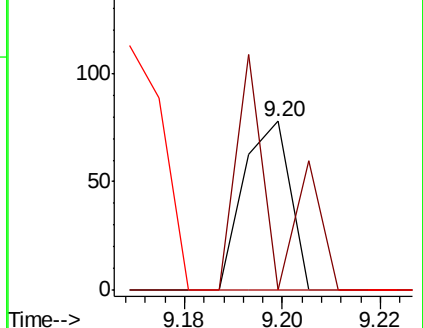
58 0.0 50.6 75.8#

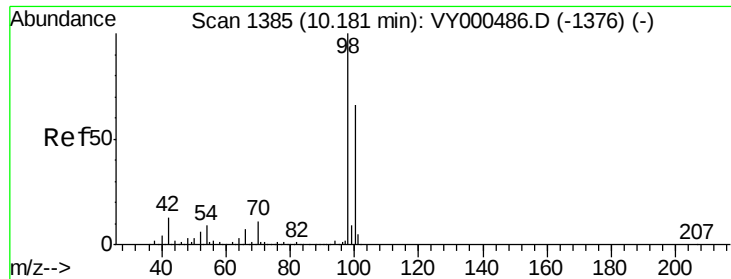


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 51.992 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VY000626.D

Acq: 08 Nov 2019 18:32

Instrument :

MSVOA_Y

ClientSampleId :

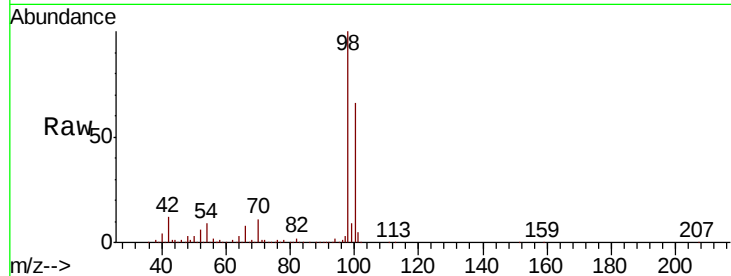
10-BRE

Tot Ion: 98 Resp: 444175

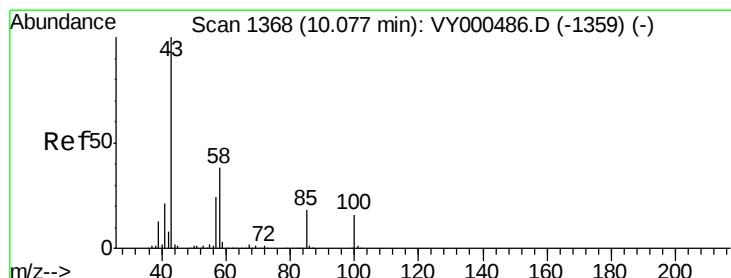
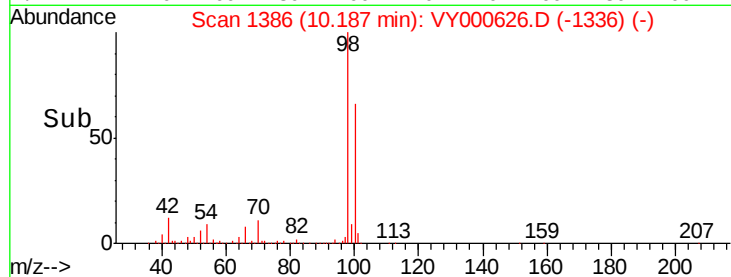
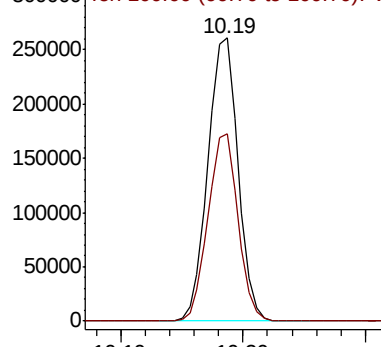
Ion Ratio Lower Upper

98 100

100 66.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY000486.D (-1376) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.101 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.11 min

Lab File: VY000626.D

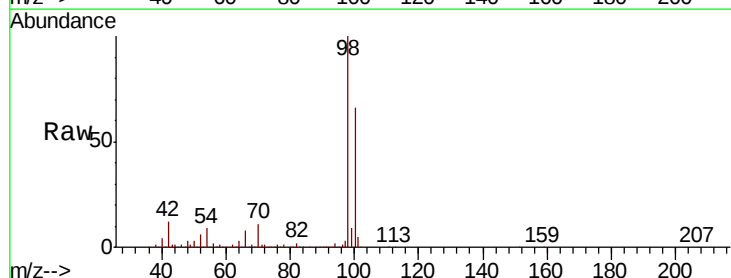
Acq: 08 Nov 2019 18:32

Tgt Ion: 43 Resp: 2368

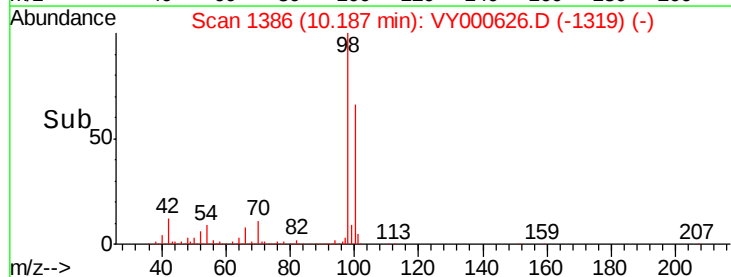
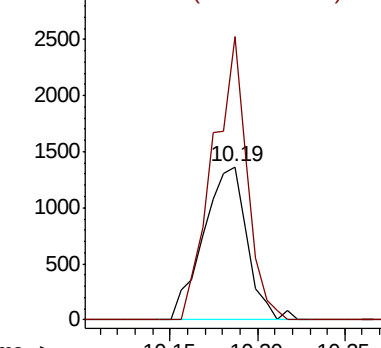
Ion Ratio Lower Upper

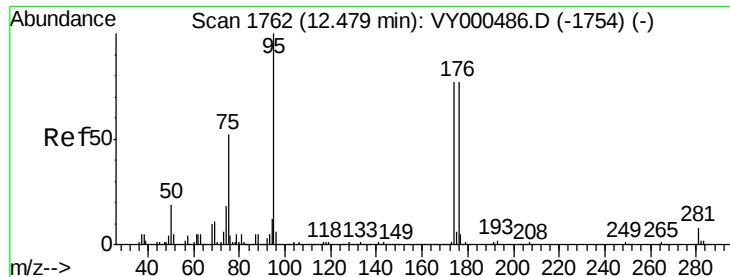
43 100

58 144.9 30.2 45.4#



Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-1359) (-)





#62

4-Bromofluorobenzene

Concen: 49.714 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000626.D

Acq: 08 Nov 2019 18:32

Instrument :

MSVOA_Y

ClientSampled :

10-BRE

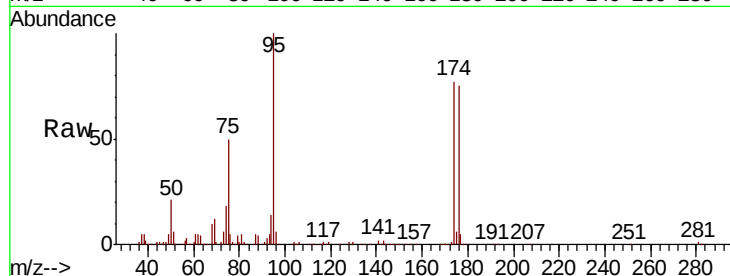
Tot Ion: 95 Resp: 161685

Ion Ratio Lower Upper

95 100

174 81.2 0.0 161.6

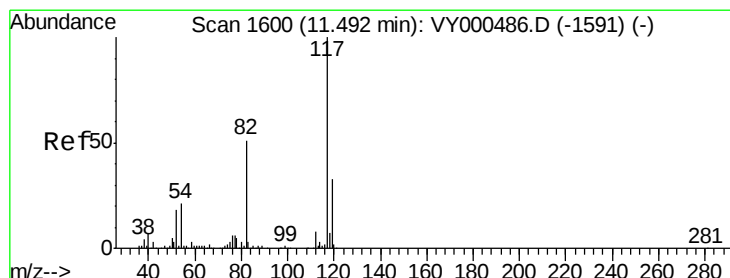
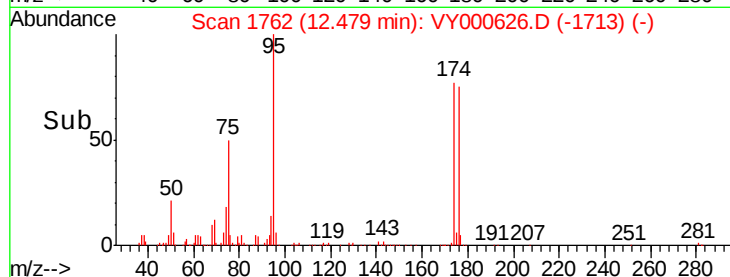
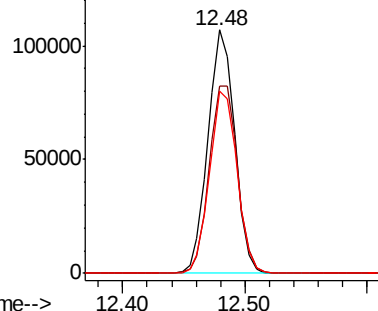
176 77.0 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VY000486.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY000486.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY000486.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY000626.D

Acq: 08 Nov 2019 18:32

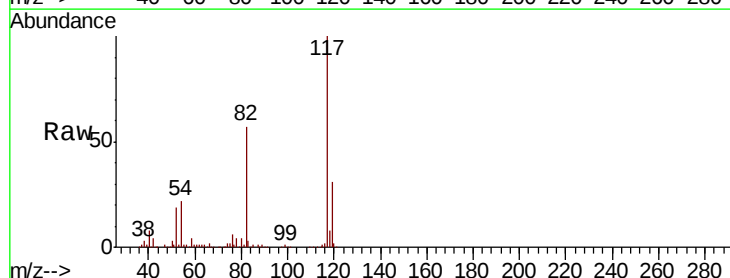
Tgt Ion: 117 Resp: 351998

Ion Ratio Lower Upper

117 100

82 56.6 40.8 61.2

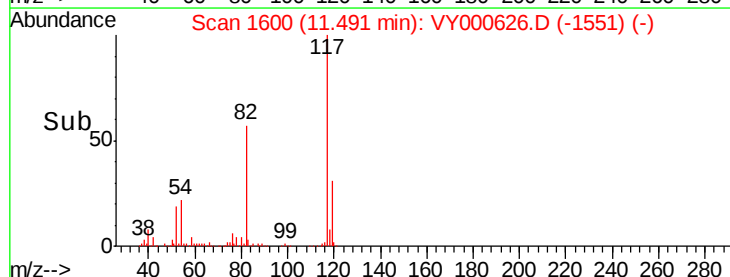
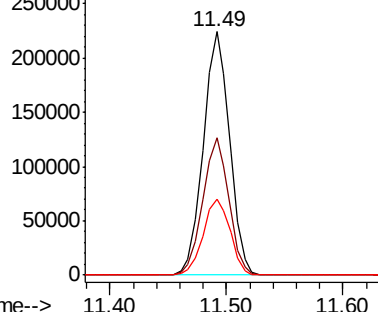
119 31.0 26.2 39.2

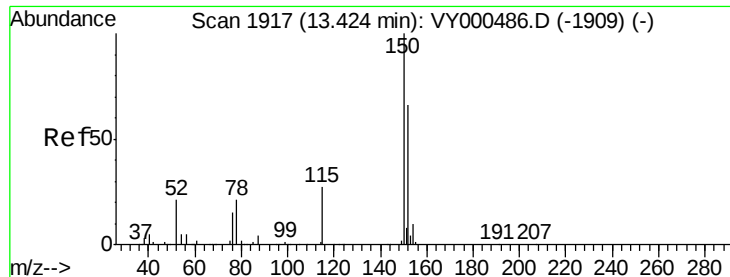


Abundance Ion 116.90 (116.60 to 117.60): VY000486.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY000486.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY000486.D (-1591) (-)



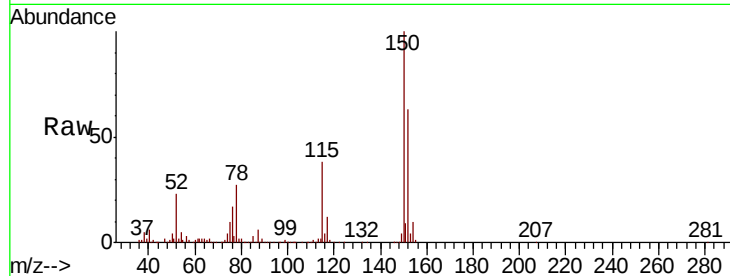


#72

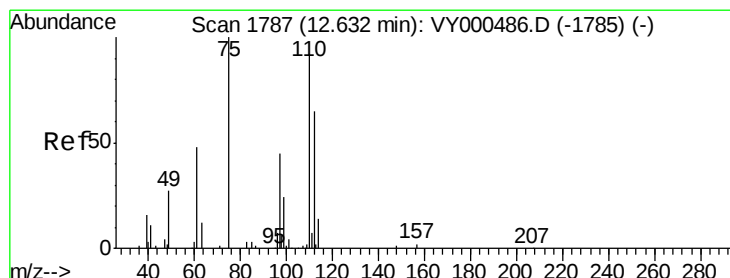
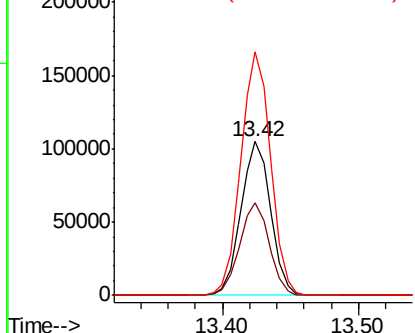
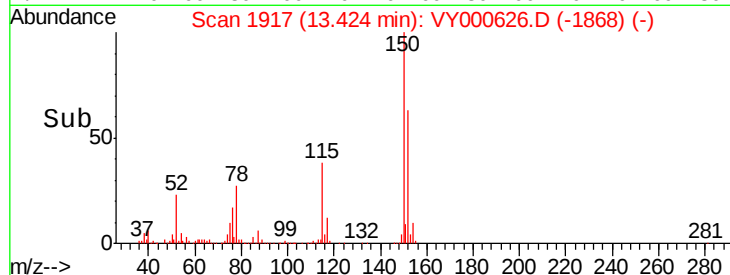
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000626.D
Acq: 08 Nov 2019 18:32

Instrument :
MSVOA_Y
ClientSampleId :
10-BRE

Tot Ion:152 Resp: 158974
Ion Ratio Lower Upper
152 100
115 60.4 29.1 87.4
150 159.2 0.0 348.8



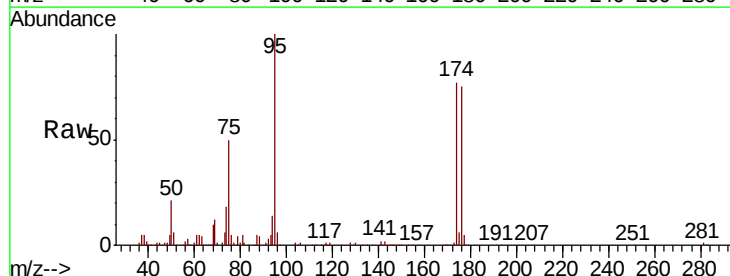
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



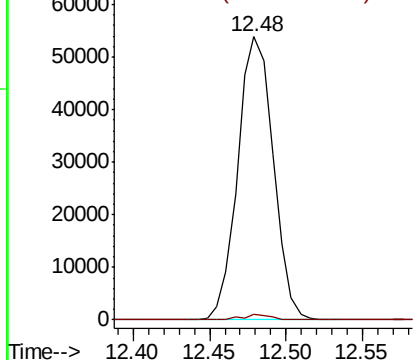
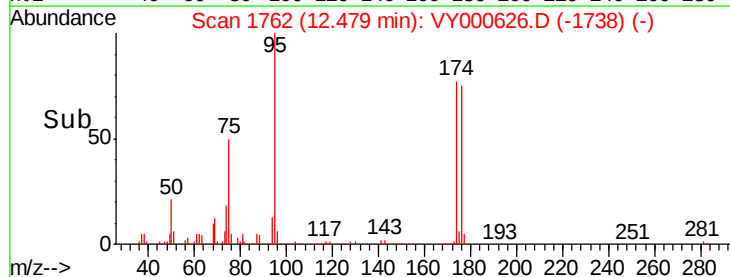
#76

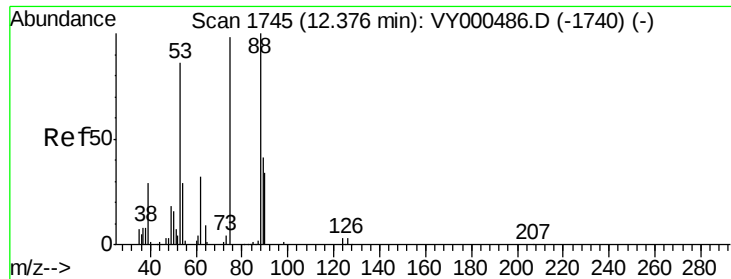
1,2,3-Trichloropropane
Concen: 47.999 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000626.D
Acq: 08 Nov 2019 18:32

Tgt Ion: 75 Resp: 86885
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0

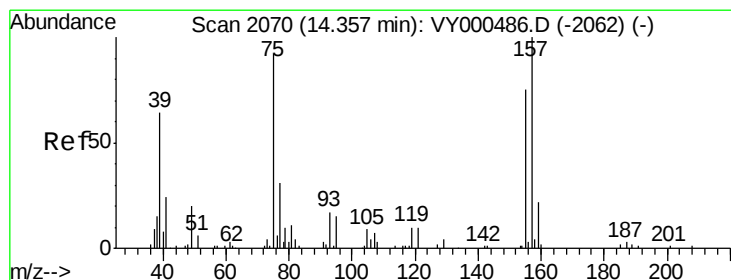
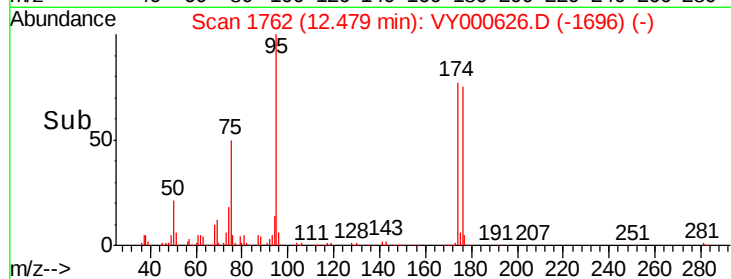
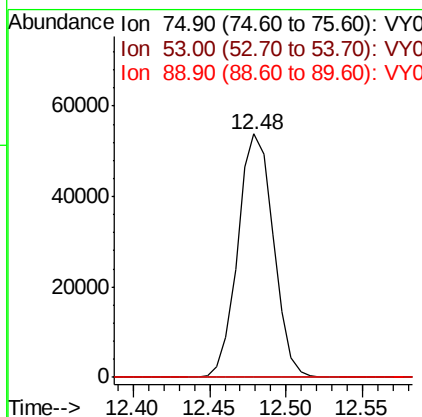
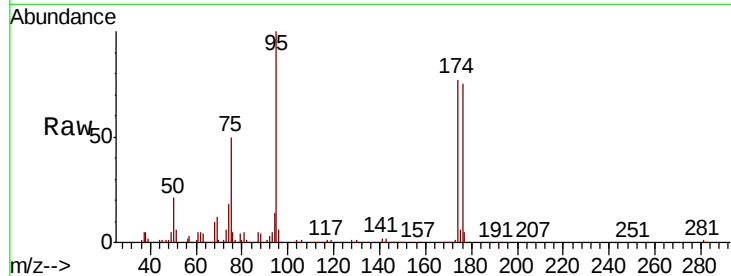




#81
trans-1,4-Dichloro-2-butene
Concen: 107.621 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000626.D
Acq: 08 Nov 2019 18:32

Instrument :
MSVOA_Y
ClientSampleId :
10-BRE

Tot Ion: 75 Resp: 86885
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.1 35.9 53.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.456 ug/l
RT: 14.21 min Scan# 2046
Delta R.T. -0.15 min
Lab File: VY000626.D
Acq: 08 Nov 2019 18:32

Tgt Ion: 75 Resp: 1423
Ion Ratio Lower Upper
75 100
155 9.3 42.4 127.1#
157 0.0 55.1 165.3#

