

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
 Data File : VY000575.D
 Acq On : 07 Nov 2019 13:14
 Operator : SY/MD
 Sample : K5723-06
 Misc : 4.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 03:46:27 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	237084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	427084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	383244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	152908	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	150165	61.20	ug/l	0.00
Spiked Amount			Recovery	=	122.40%	
35) Dibromofluoromethane	7.73	113	130739	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	
50) Toluene-d8	10.18	98	511768	53.79	ug/l	0.00
Spiked Amount			Recovery	=	107.58%	
62) 4-Bromofluorobenzene	12.48	95	164758	45.49	ug/l	0.00
Spiked Amount			Recovery	=	90.98%	

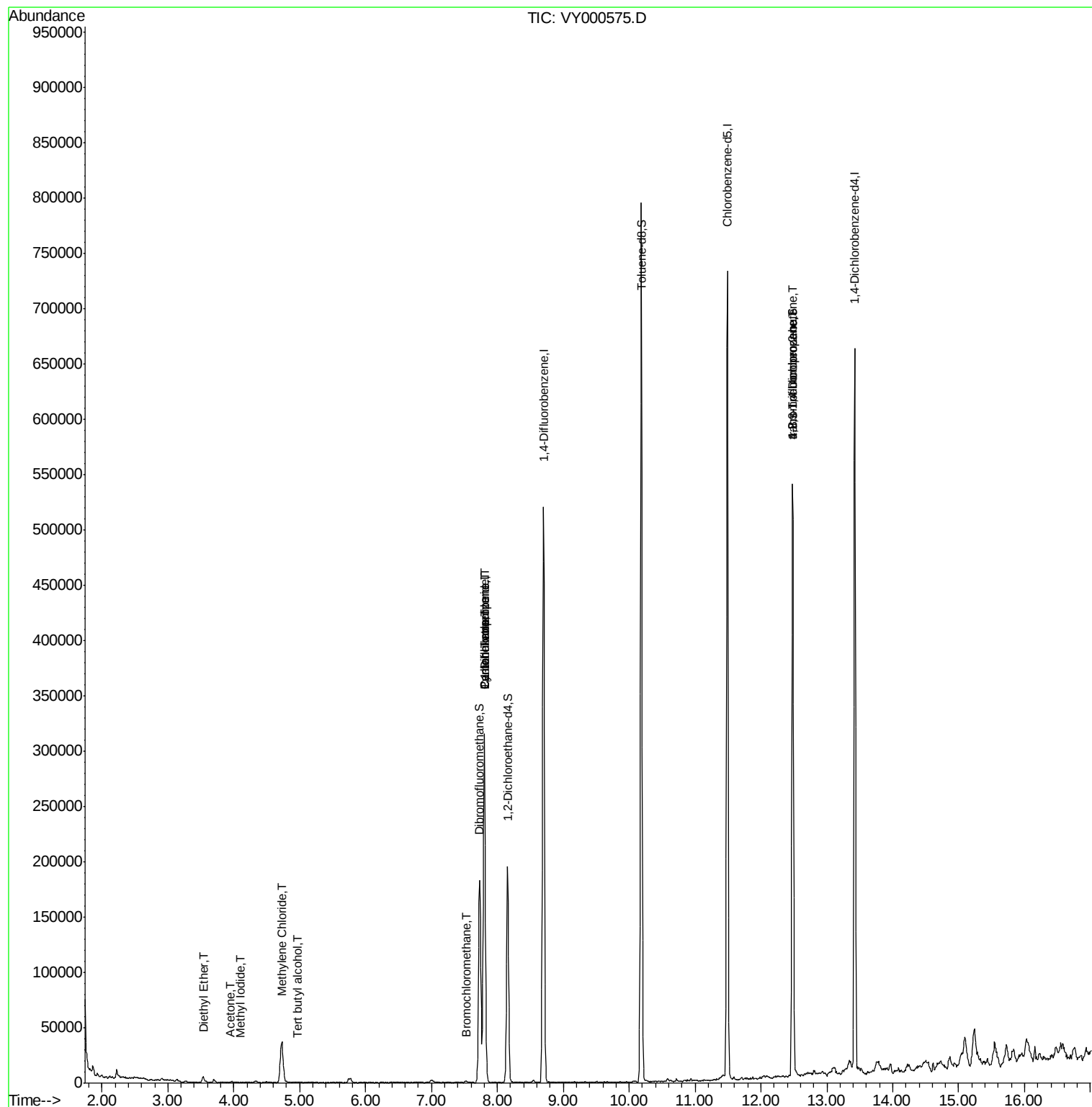
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	3224	2.250	ug/l	93
10) Methyl Iodide	4.10	142	106	3.230	ug/l #	53
11) Tert butyl alcohol	4.96	59	391	1.637	ug/l #	92
16) Acetone	3.95	43	721	1.066	ug/l #	79
20) Methylene Chloride	4.73	84	26575	9.172	ug/l	89
28) Bromochloromethane	7.52	49	81	4.129	ug/l #	14
31) Cyclohexane	7.80	56	6018	1.267	ug/l #	15
36) 1,1-Dichloropropene	7.80	75	20386	5.049	ug/l #	49
38) Carbon Tetrachloride	7.80	117	23806	6.128	ug/l #	14
76) 1,2,3-Trichloropropane	12.48	75	87741	50.395	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	87741	112.992	ug/l #	13

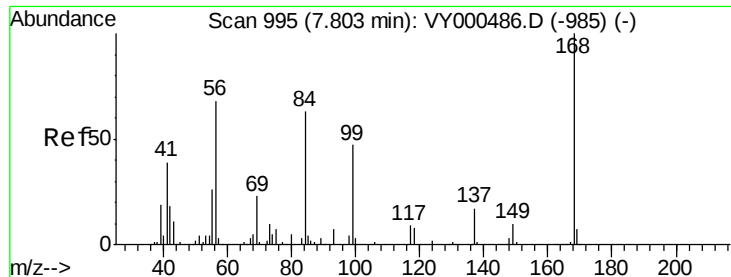
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000575.D

Acq: 07 Nov 2019 13:14

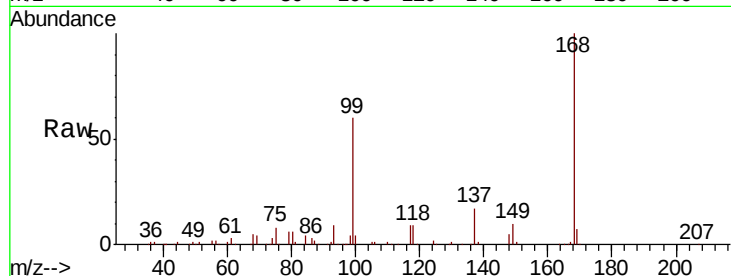
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 237084

Ion Ratio Lower Upper

168 100

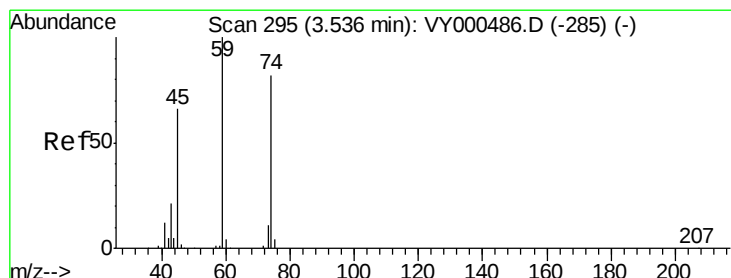
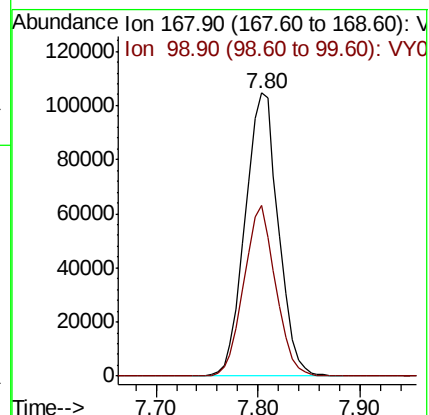
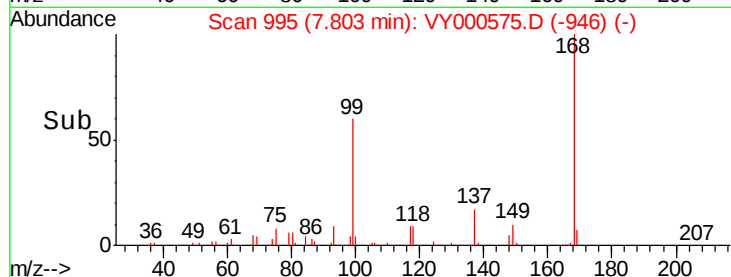
99 60.3 45.7 68.5



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



#8

Diethyl Ether

Concen: 2.250 ug/l

RT: 3.54 min Scan# 295

Delta R.T. -0.00 min

Lab File: VY000575.D

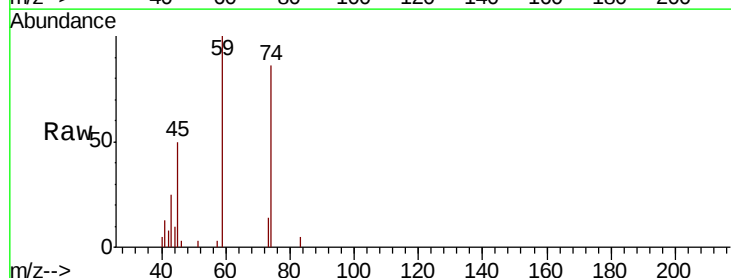
Acq: 07 Nov 2019 13:14

Tgt Ion: 74 Resp: 3224

Ion Ratio Lower Upper

74 100

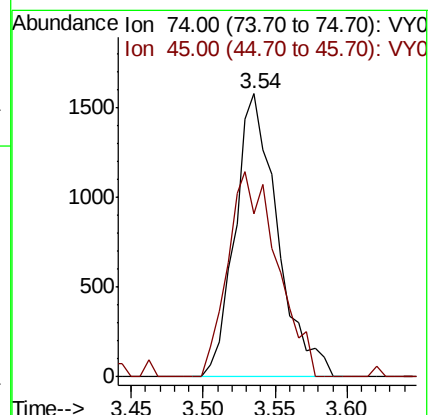
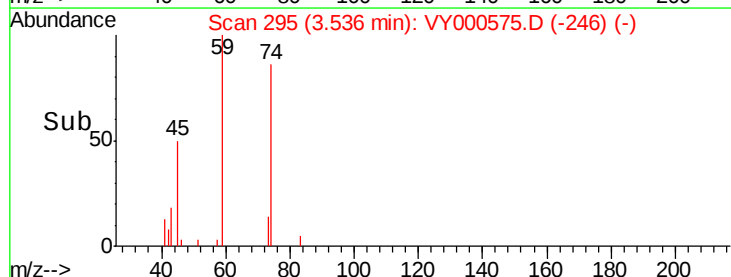
45 84.6 45.5 136.4

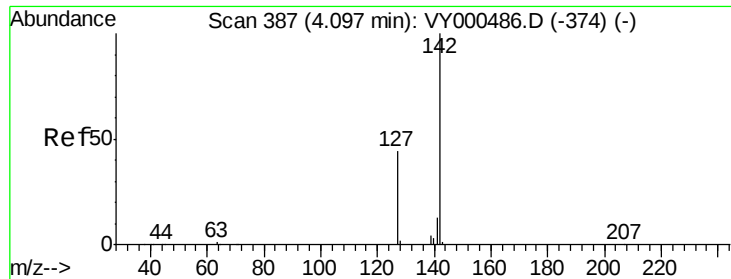


Abundance Ion 74.00 (73.70 to 74.70): VY000486.D (-285) (-)

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

3.54

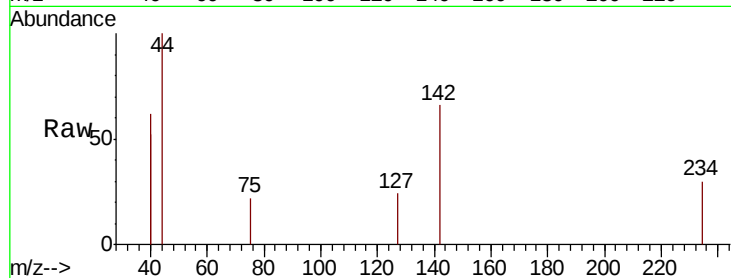




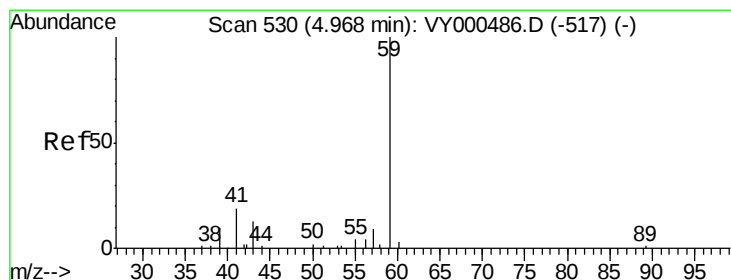
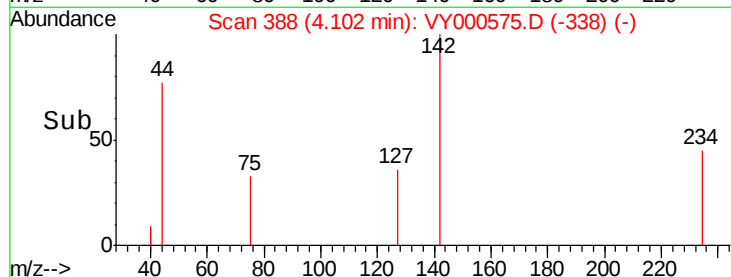
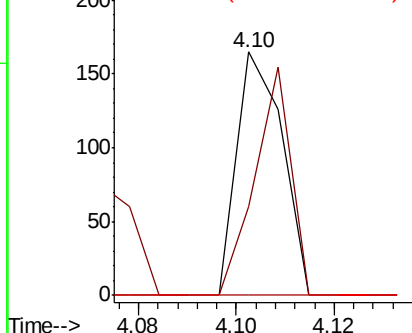
#10
Methyl Iodide
Concen: 3.230 ug/l
RT: 4.10 min Scan# 388
Delta R.T. 0.01 min
Lab File: VY000575.D
Acq: 07 Nov 2019 13:14

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:142 Resp: 106
Ion Ratio Lower Upper
142 100
127 74.5 33.7 50.5#
141 0.0 10.9 16.3#

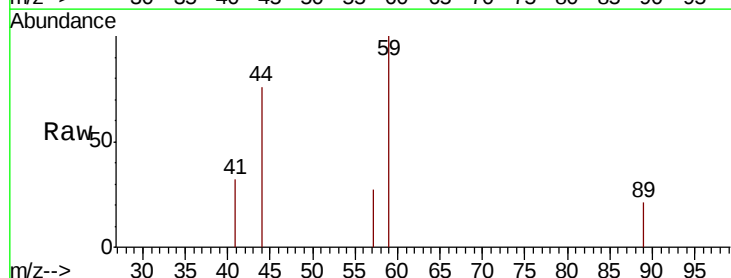


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

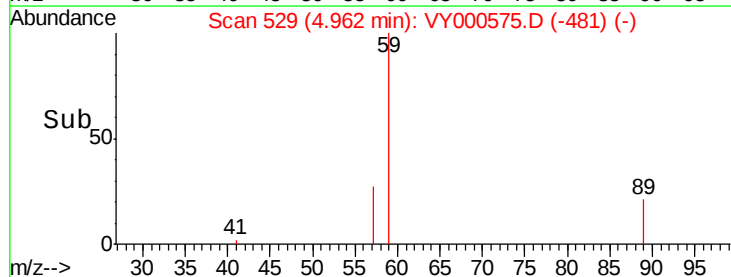
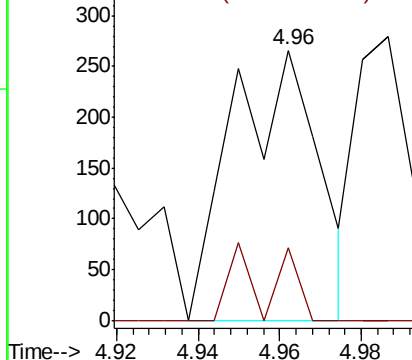


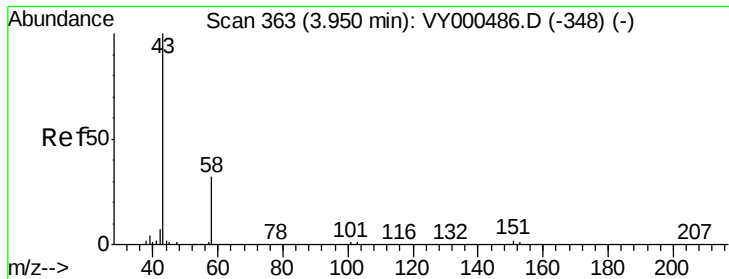
#11
Tert butyl alcohol
Concen: 1.637 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY000575.D
Acq: 07 Nov 2019 13:14

Tgt Ion: 59 Resp: 391
Ion Ratio Lower Upper
59 100
57 13.8 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: 1.066 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VY000575.D

Acq: 07 Nov 2019 13:14

Instrument :

MSVOA_Y

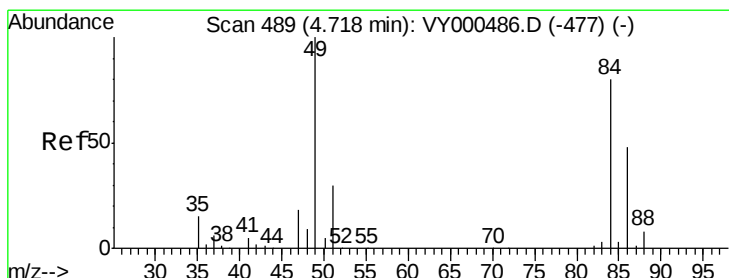
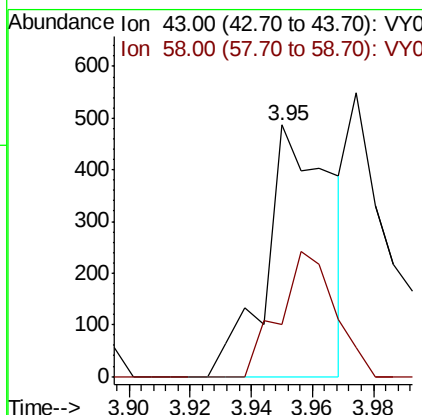
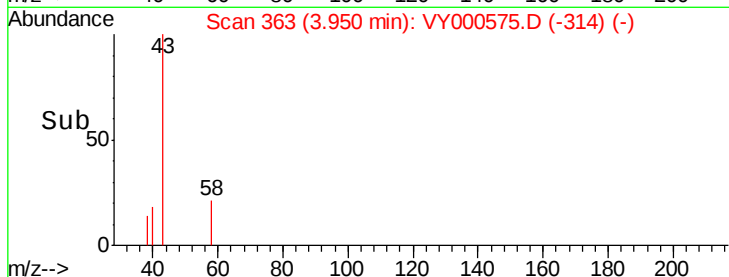
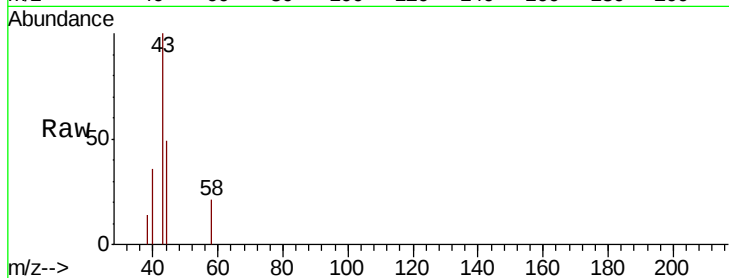
ClientSampleId :

Tot Ion: 43 Resp: 721

Ion Ratio Lower Upper

43 100

58 20.6 25.8 38.6#



#20

Methylene Chloride

Concen: 9.172 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY000575.D

Acq: 07 Nov 2019 13:14

Tgt Ion: 84 Resp: 26575

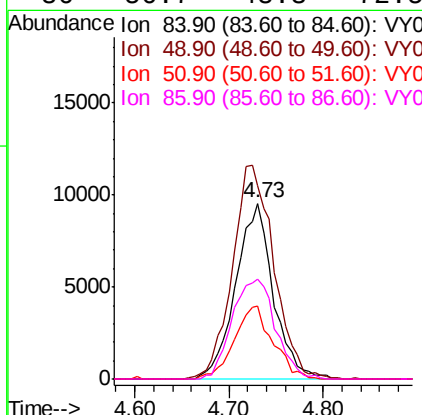
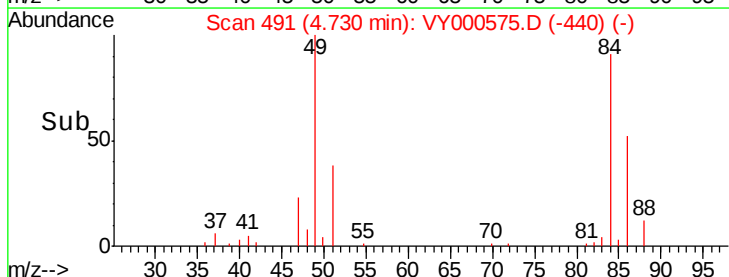
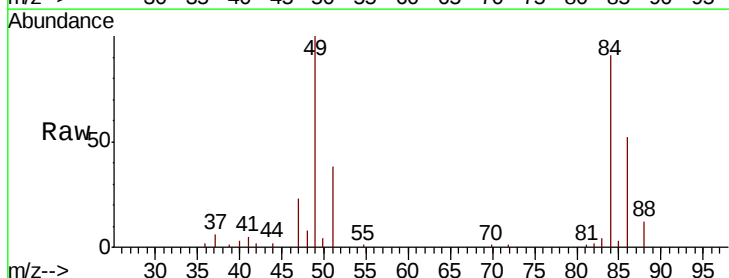
Ion Ratio Lower Upper

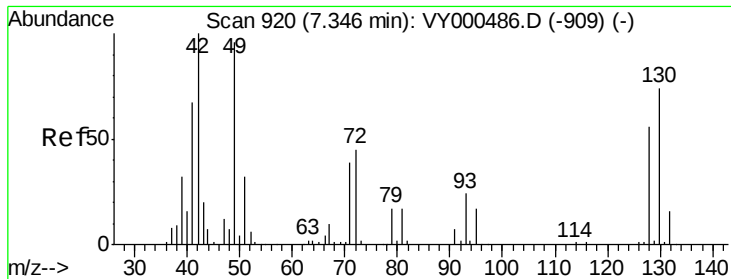
84 100

49 109.2 100.2 150.4

51 41.9 29.6 44.4

86 56.7 48.3 72.5





#28

Bromochloromethane

Concen: 4.129 ug/l

RT: 7.52 min Scan# 949

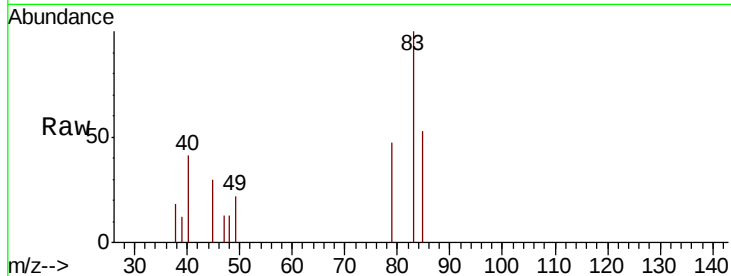
Delta R.T. 0.18 min

Lab File: VY000575.D

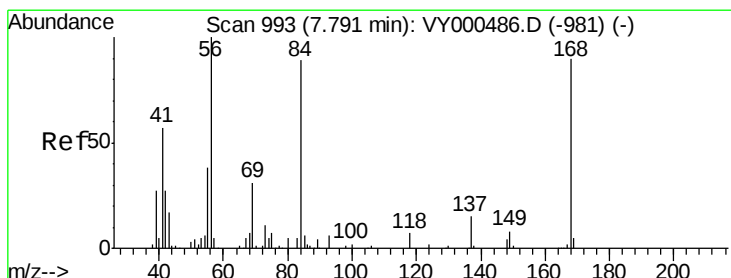
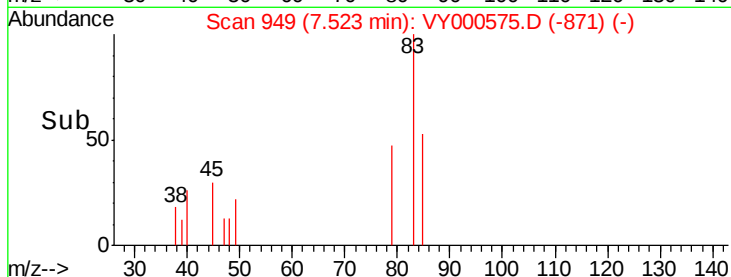
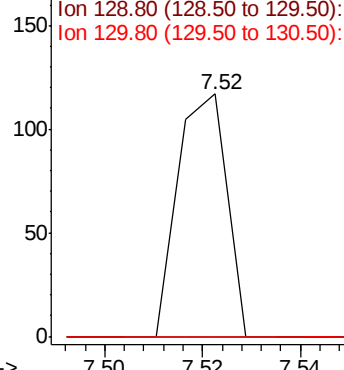
Acq: 07 Nov 2019 13:14

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 49 Resp: 81
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: 1.267 ug/l

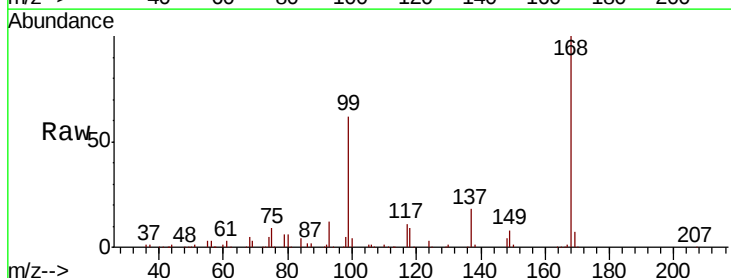
RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

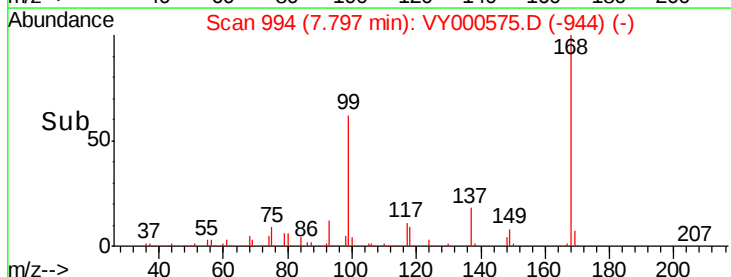
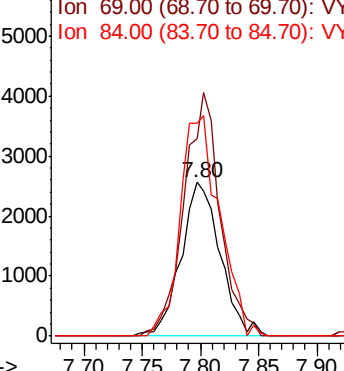
Lab File: VY000575.D

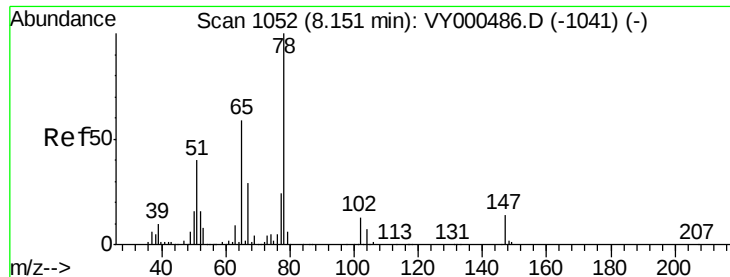
Acq: 07 Nov 2019 13:14

Tgt Ion: 56 Resp: 6018
Ion Ratio Lower Upper
56 100
69 129.0 25.0 37.6#
84 138.9 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: 61.204 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY000575.D

Acq: 07 Nov 2019 13:14

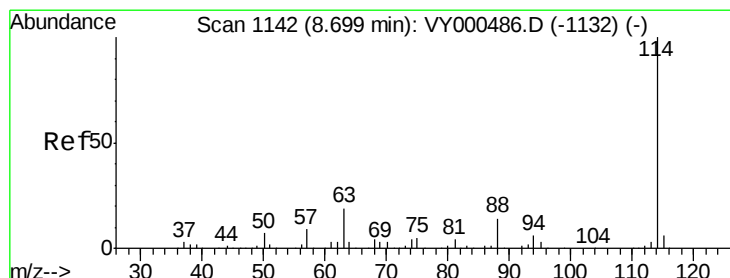
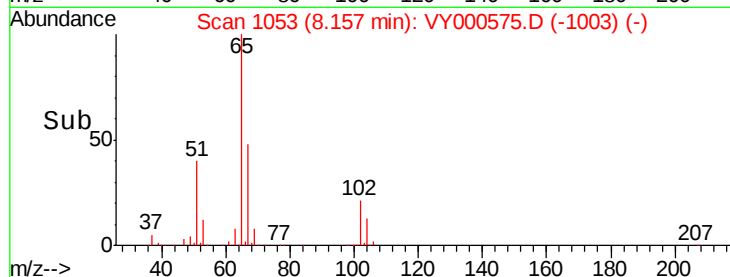
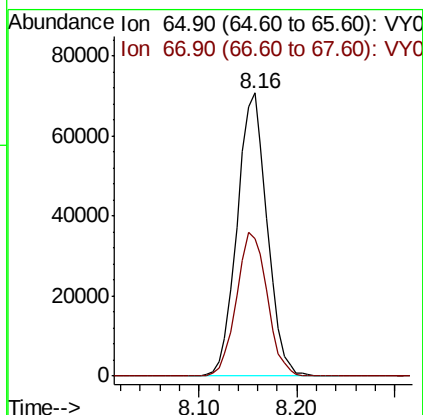
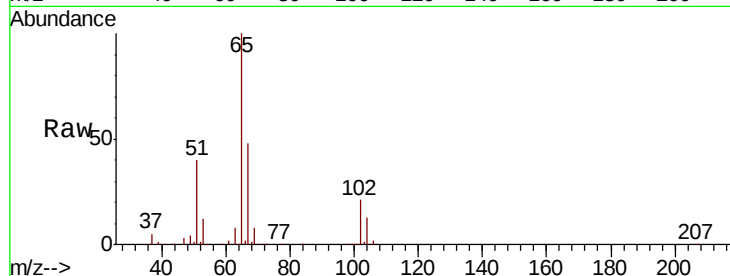
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 65 Resp: 150165

Ion Ratio Lower Upper

65 100

67 51.9 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000575.D

Acq: 07 Nov 2019 13:14

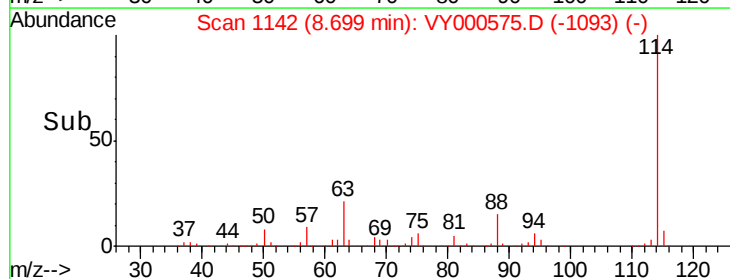
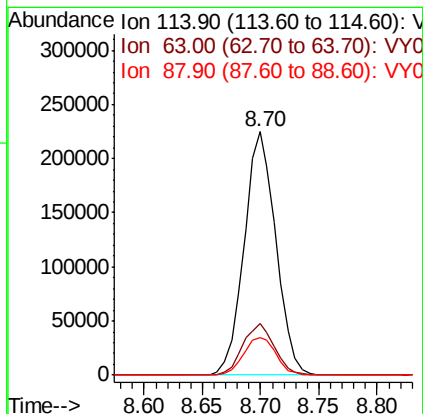
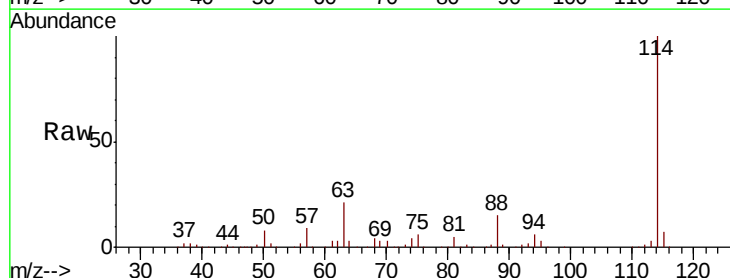
Tgt Ion: 114 Resp: 427084

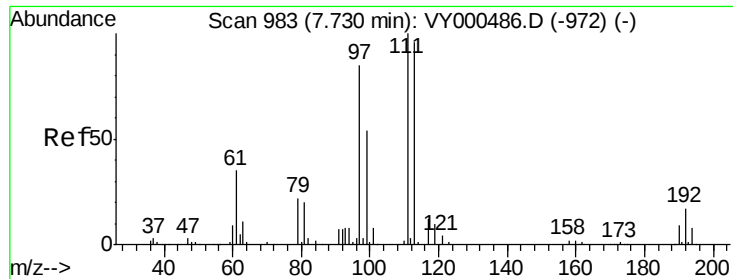
Ion Ratio Lower Upper

114 100

63 21.3 0.0 38.0

88 15.2 0.0 28.6

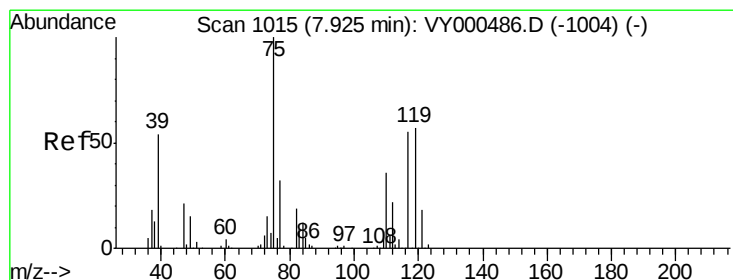
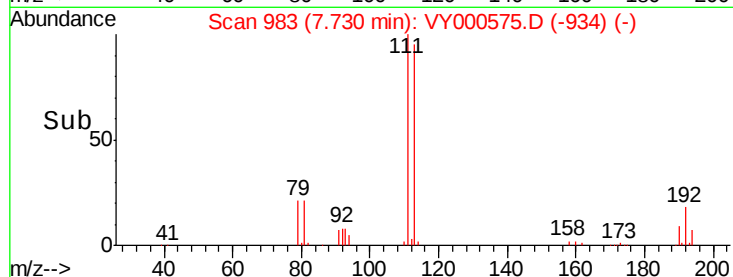
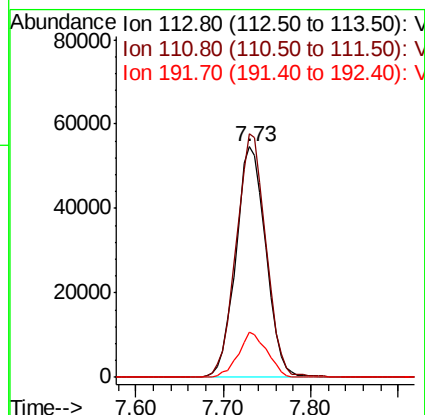
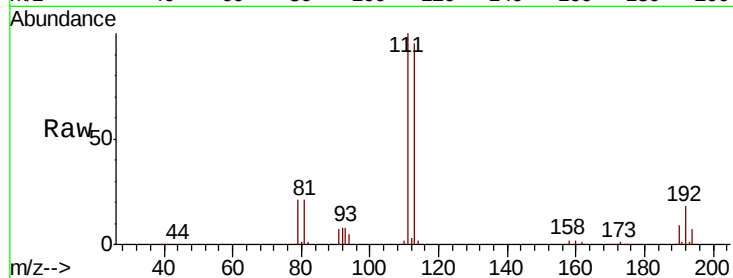




#35
 Dibromofluoromethane
 Concen: 52.144 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000575.D
 Acq: 07 Nov 2019 13:14

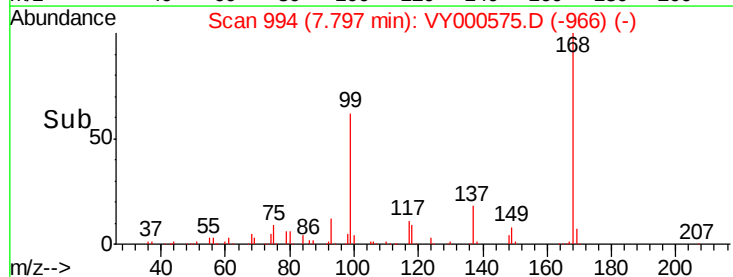
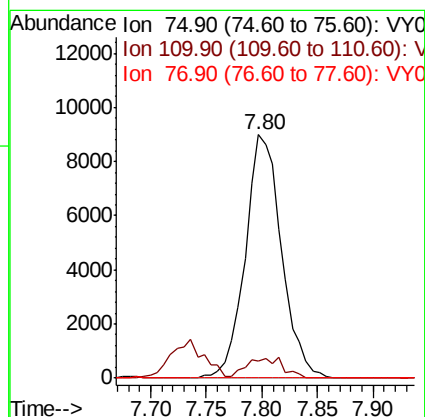
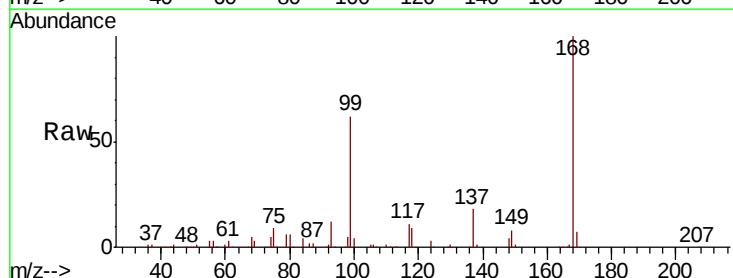
Instrument :
 MSVOA_Y
 ClientSampleId :

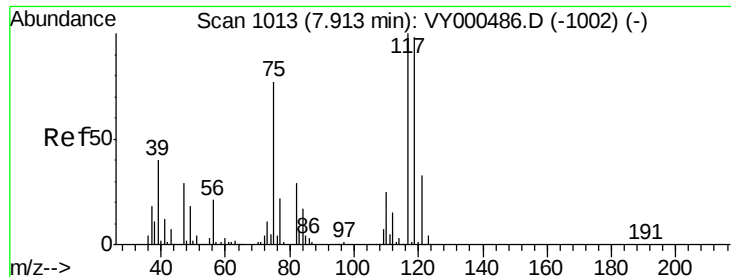
Tot Ion:113 Resp: 130739
 Ion Ratio Lower Upper
 113 100
 111 104.4 81.7 122.5
 192 18.8 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 5.049 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000575.D
 Acq: 07 Nov 2019 13:14

Tgt Ion: 75 Resp: 20386
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.1 54.1#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 6.128 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000575.D

Acq: 07 Nov 2019 13:14

Instrument :

MSVOA_Y

ClientSampleId :

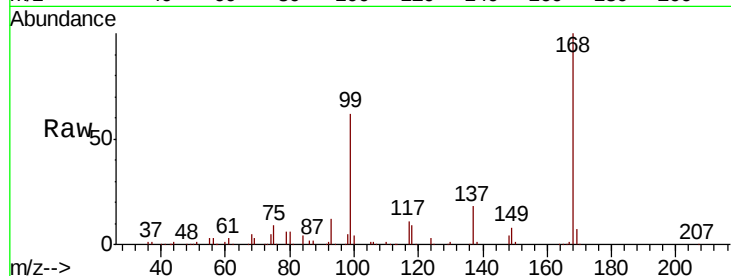
Tot Ion:117 Resp: 23806

Ion Ratio Lower Upper

117 100

119 4.1 78.0 117.0#

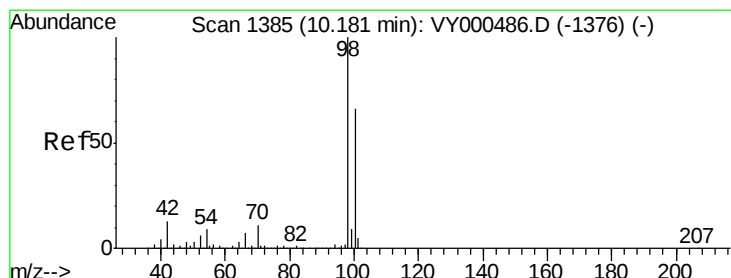
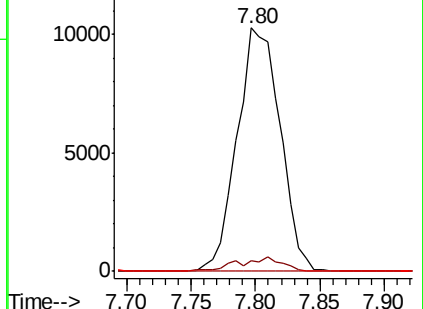
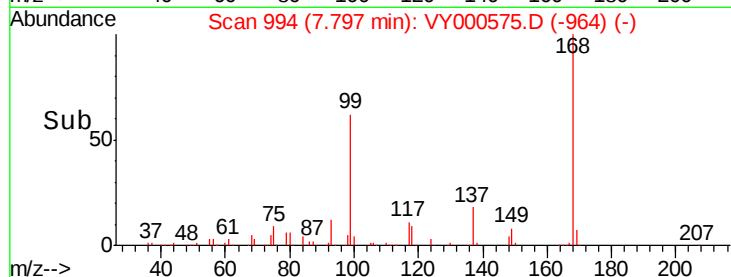
121 0.0 26.6 40.0#



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



#50

Toluene-d8

Concen: 53.793 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000575.D

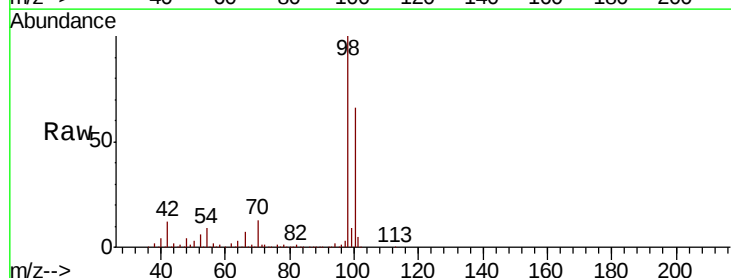
Acq: 07 Nov 2019 13:14

Tgt Ion: 98 Resp: 511768

Ion Ratio Lower Upper

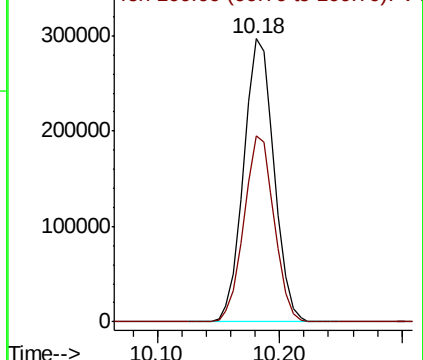
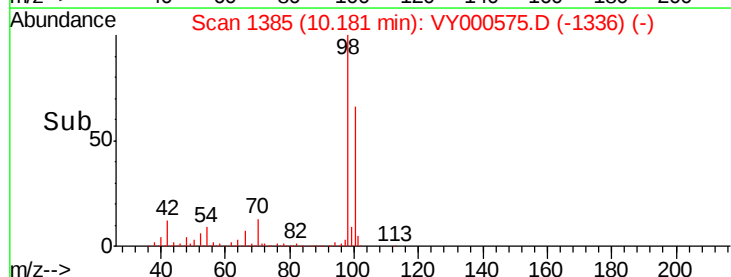
98 100

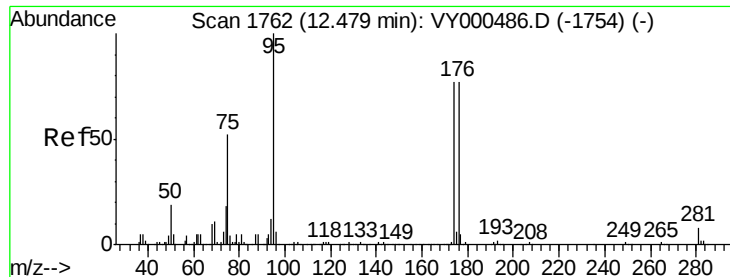
100 65.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 45.490 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000575.D

Acq: 07 Nov 2019 13:14

Instrument :

MSVOA_Y

ClientSampled :

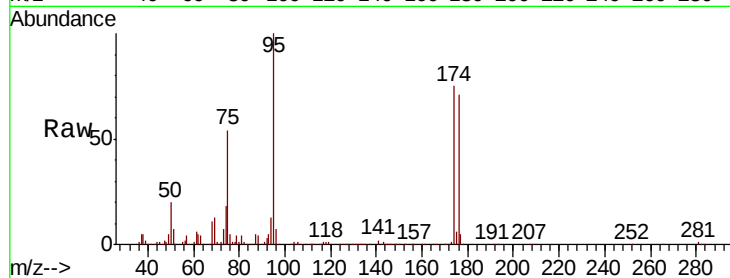
Tot Ion: 95 Resp: 164758

Ion Ratio Lower Upper

95 100

174 77.8 0.0 161.6

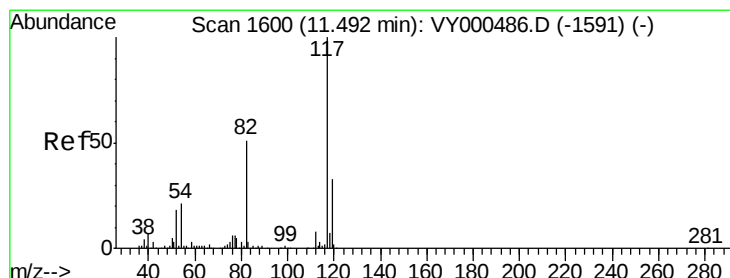
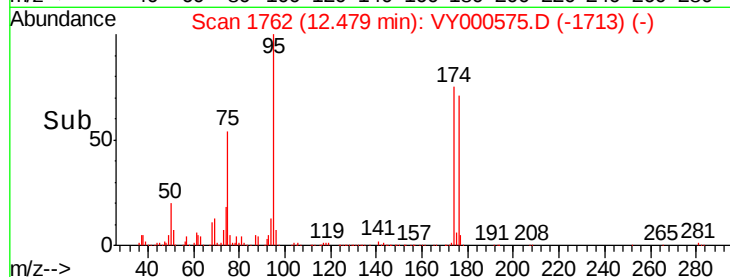
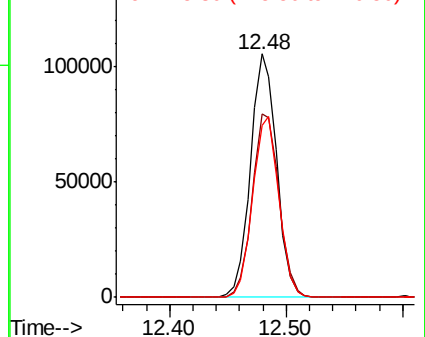
176 74.5 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VY000575.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY000575.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY000575.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY000575.D

Acq: 07 Nov 2019 13:14

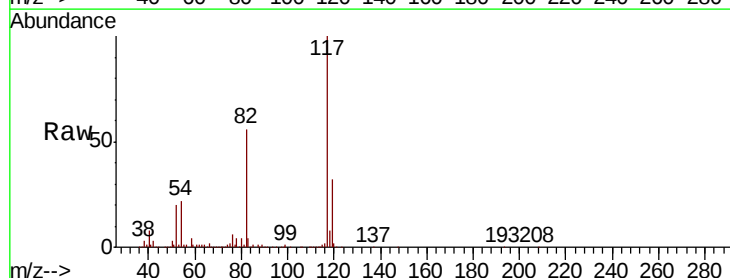
Tgt Ion: 117 Resp: 383244

Ion Ratio Lower Upper

117 100

82 56.4 40.8 61.2

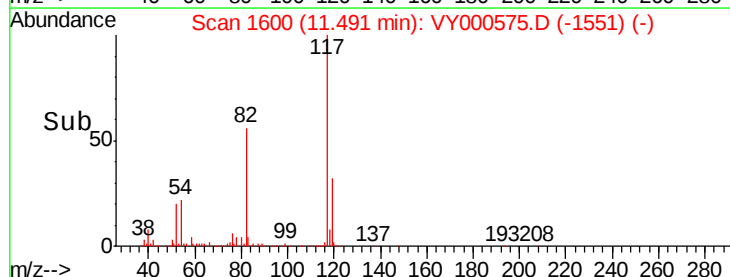
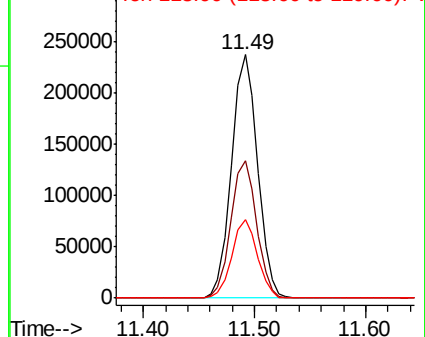
119 32.0 26.2 39.2

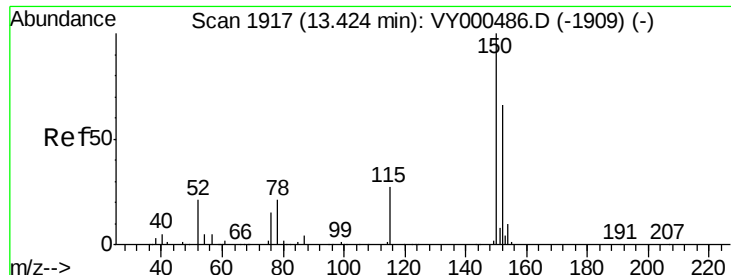


Abundance Ion 116.90 (116.60 to 117.60): VY000575.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY000575.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY000575.D (-1591) (-)



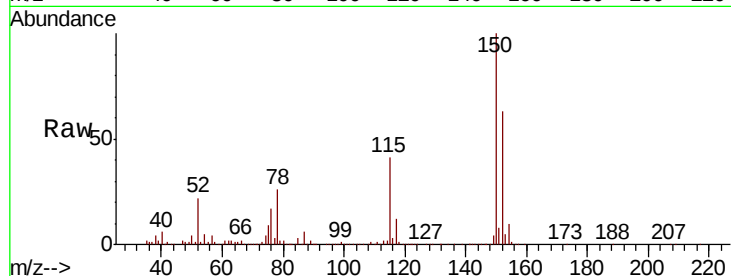


#72

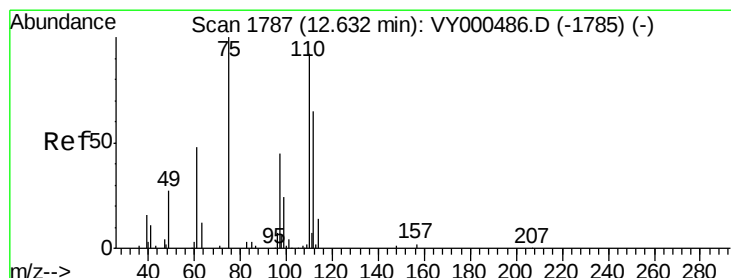
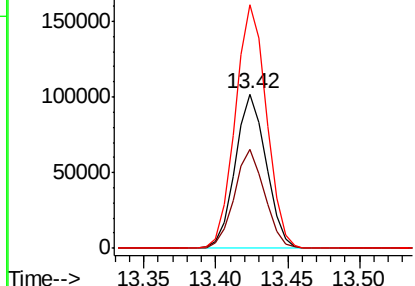
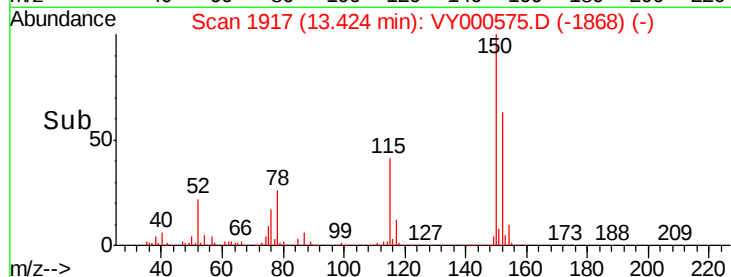
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000575.D
Acq: 07 Nov 2019 13:14

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 152908
Ion Ratio Lower Upper
152 100
115 62.7 29.1 87.4
150 159.0 0.0 348.8



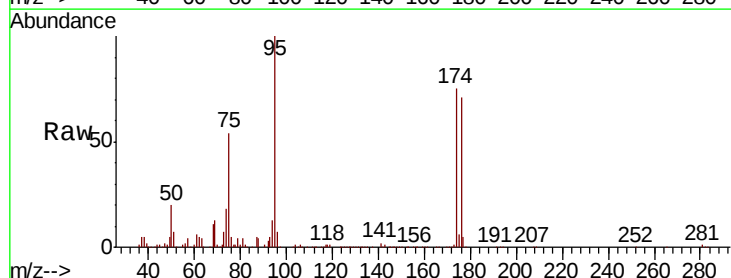
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



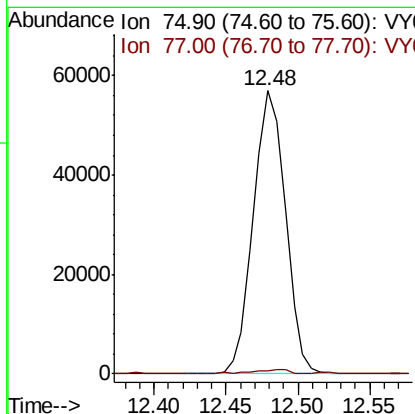
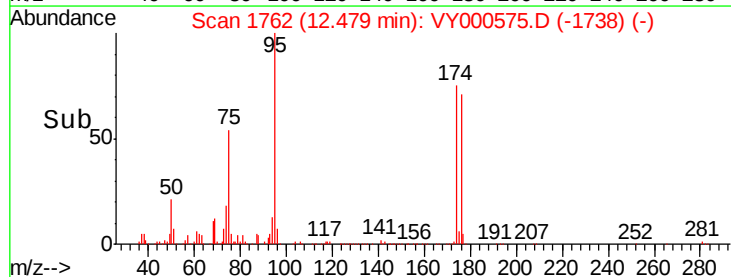
#76

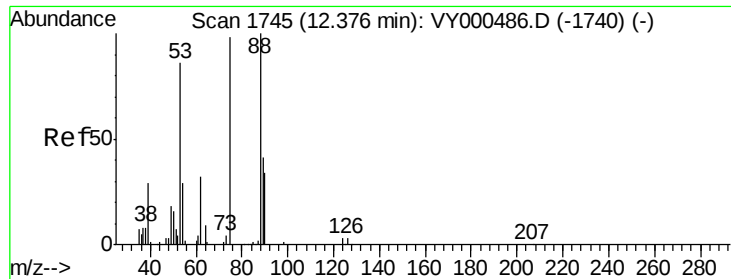
1,2,3-Trichloropropane
Concen: 50.395 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000575.D
Acq: 07 Nov 2019 13:14

Tgt Ion: 75 Resp: 87741
Ion Ratio Lower Upper
75 100
77 2.0 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: 112.992 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000575.D

Acq: 07 Nov 2019 13:14

Instrument :

MSVOA_Y

ClientSampleId :

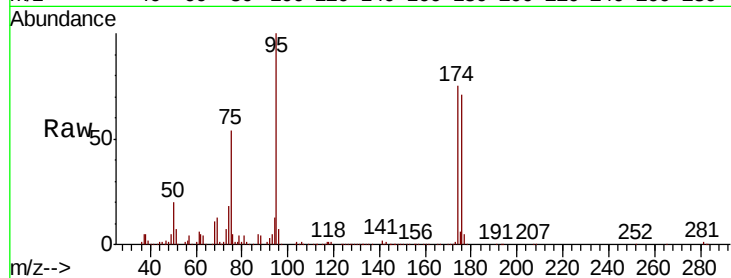
Tot Ion: 75 Resp: 87741

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.0 35.9 53.9#



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

