

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
 Data File : VY000581.D
 Acq On : 07 Nov 2019 15:27
 Operator : SY/MD
 Sample : K5723-12
 Misc : 6.20G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 03:47:35 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	239884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	438979	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	390868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	168517	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	150344	60.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.12%	
35) Dibromofluoromethane	7.72	113	132005	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
50) Toluene-d8	10.18	98	519767	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
62) 4-Bromofluorobenzene	12.48	95	176195	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	

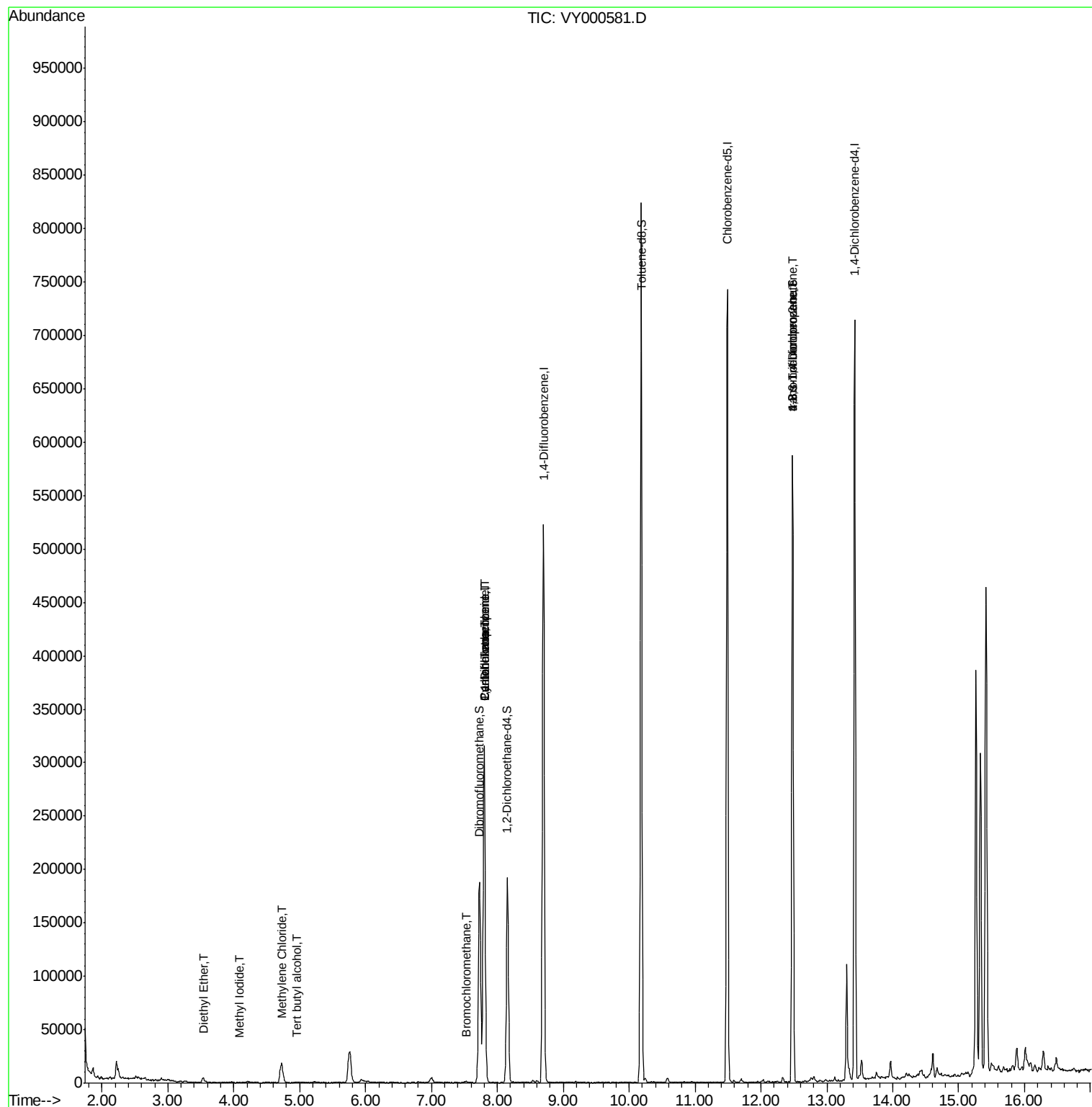
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	2510	1.732	ug/l	97
10) Methyl Iodide	4.10	142	87	3.224	ug/l #	81
11) Tert butyl alcohol	4.96	59	1214	5.024	ug/l #	72
20) Methylene Chloride	4.72	84	13410	4.574	ug/l	95
28) Bromochloromethane	7.54	49	23	4.103	ug/l #	14
31) Cyclohexane	7.80	56	5855	1.218	ug/l #	16
36) 1,1-Dichloropropene	7.80	75	20022	4.825	ug/l #	48
38) Carbon Tetrachloride	7.80	117	24446	6.122	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	95265	49.648	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	95265	111.318	ug/l #	13

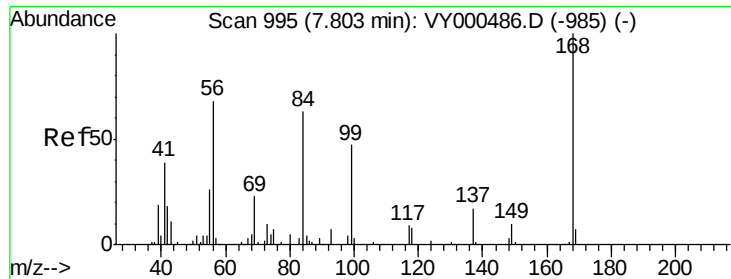
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000581.D

Acq: 07 Nov 2019 15:27

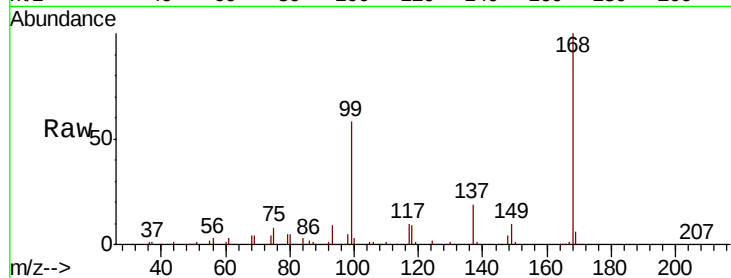
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 239884

Ion Ratio Lower Upper

168 100

99 58.3 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

120000

100000

80000

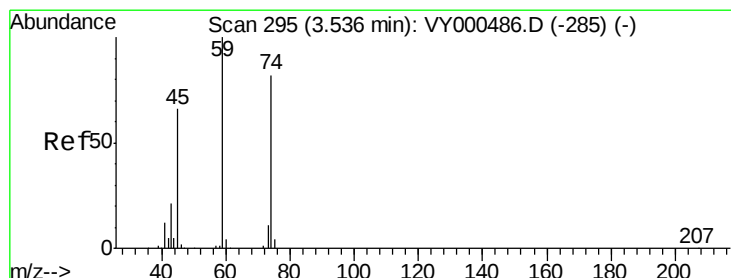
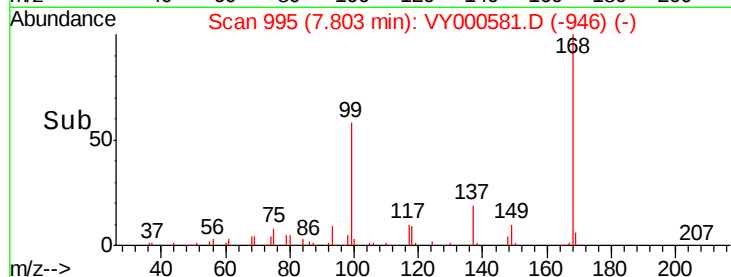
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.732 ug/l

RT: 3.54 min Scan# 296

Delta R.T. 0.01 min

Lab File: VY000581.D

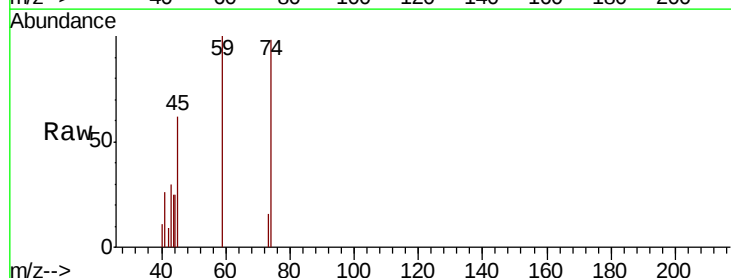
Acq: 07 Nov 2019 15:27

Tgt Ion: 74 Resp: 2510

Ion Ratio Lower Upper

74 100

45 94.1 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) (-)

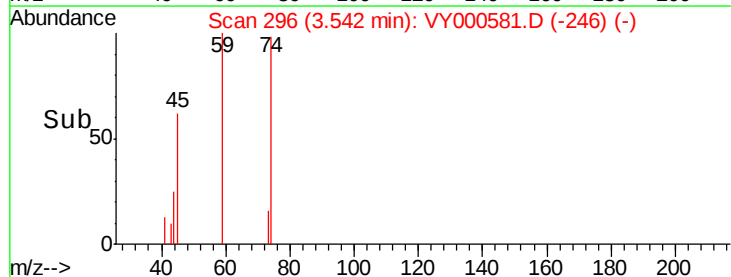
3.54

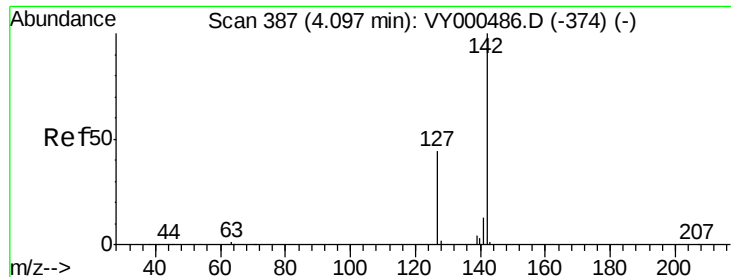
1000

500

0

Time-->





#10

Methvl Iodide

Concen: 3.224 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000581.D

Acq: 07 Nov 2019 15:27

Instrument :
MSVOA_Y
ClientSampleId :

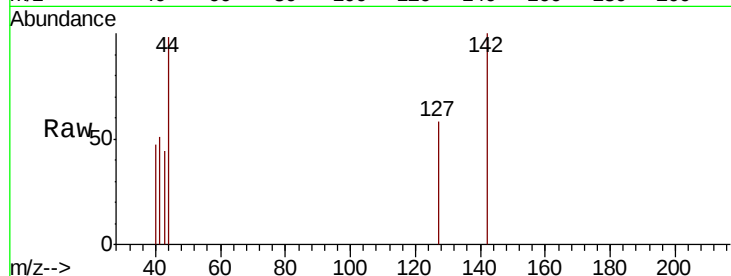
Tot Ion:142 Resp: 87

Ion Ratio Lower Upper

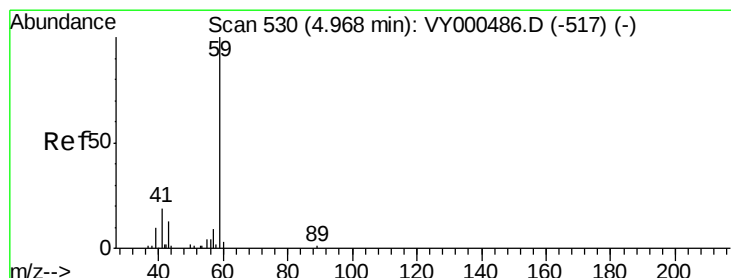
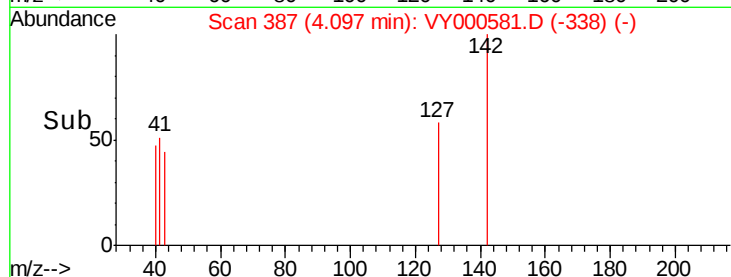
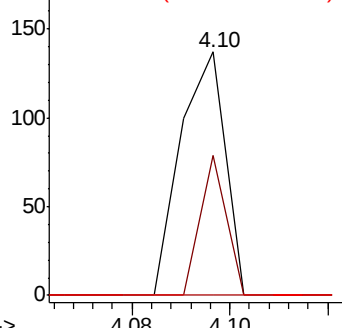
142 100

127 33.3 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: 5.024 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY000581.D

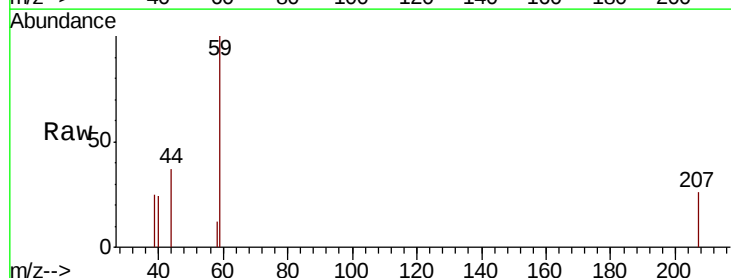
Acq: 07 Nov 2019 15:27

Tgt Ion: 59 Resp: 1214

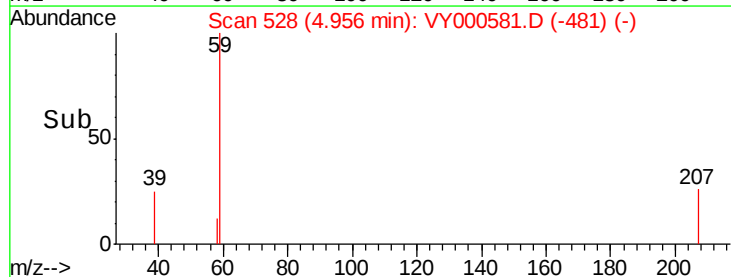
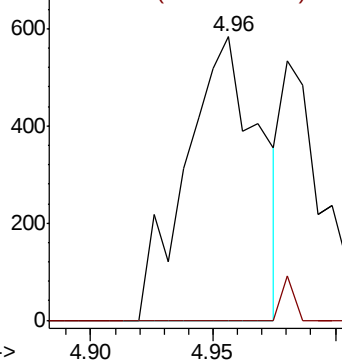
Ion Ratio Lower Upper

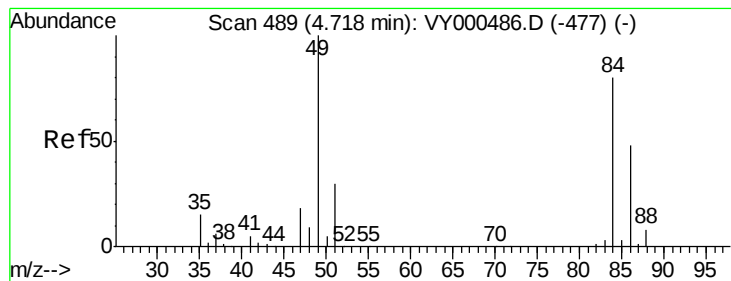
59 100

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





#20

Methvlene Chloride

Concen: 4.574 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000581.D

Acq: 07 Nov 2019 15:27

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 84 Resp: 13410

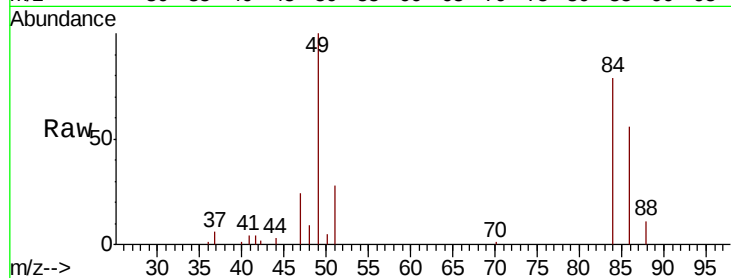
Ion Ratio Lower Upper

84 100

49 126.2 100.2 150.4

51 35.8 29.6 44.4

86 71.0 48.3 72.5

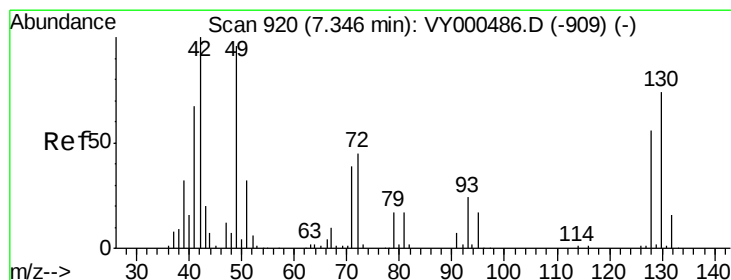
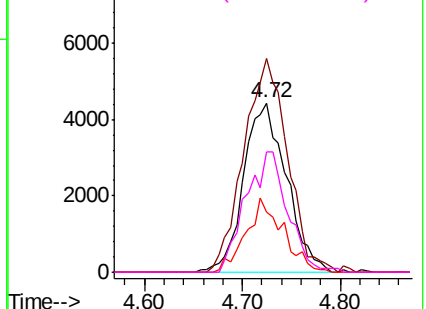
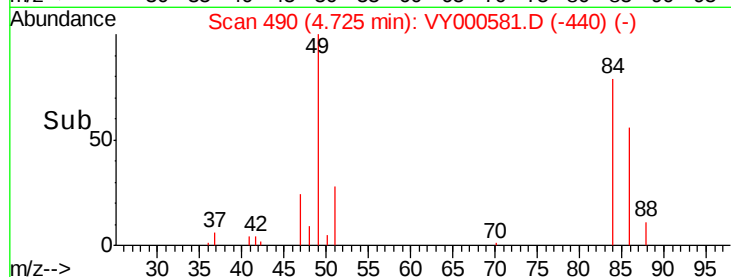


Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#28

Bromochloromethane

Concen: 4.103 ug/l

RT: 7.54 min Scan# 952

Delta R.T. 0.20 min

Lab File: VY000581.D

Acq: 07 Nov 2019 15:27

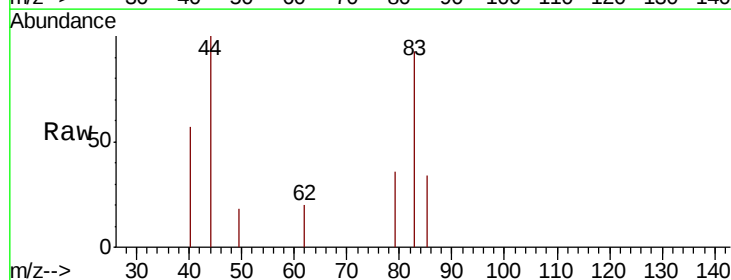
Tgt Ion: 49 Resp: 23

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

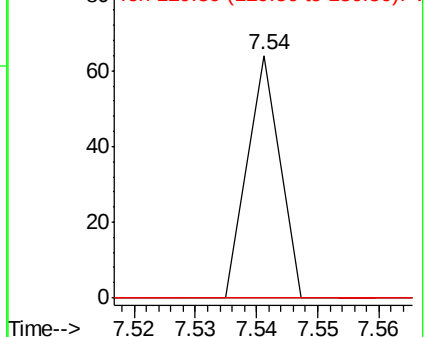
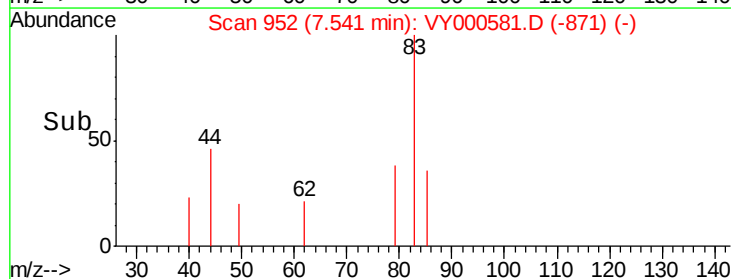
130 0.0 59.4 89.0#

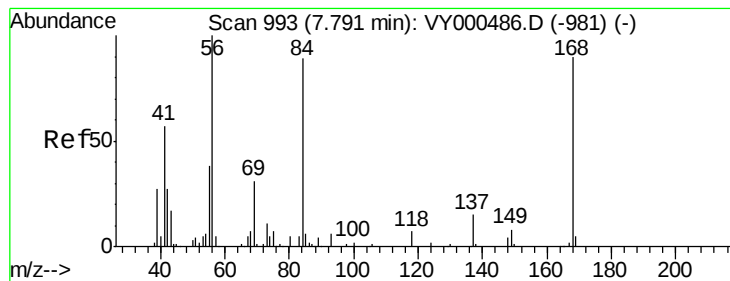


Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#31

Cyclohexane

Concen: 1.218 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000581.D

Acq: 07 Nov 2019 15:27

Instrument :
MSVOA_Y
ClientSampled :

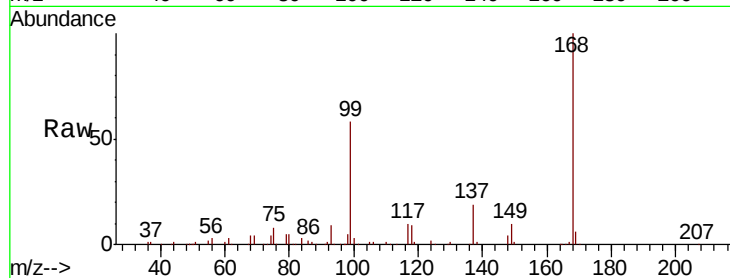
Tot Ion: 56 Resp: 5855

Ion Ratio Lower Upper

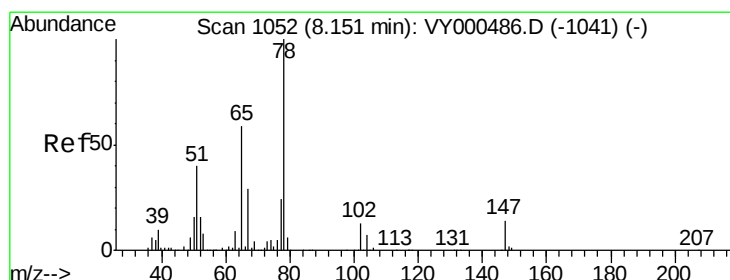
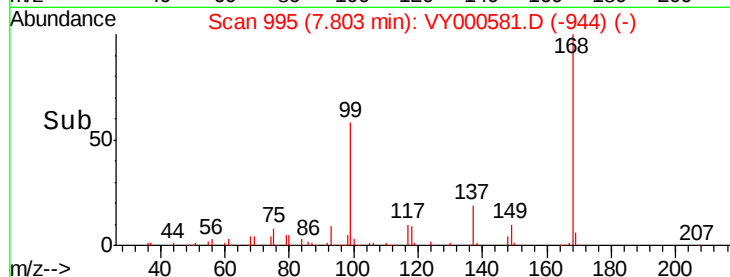
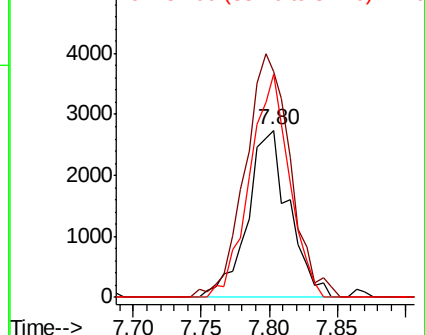
56 100

69 135.1 25.0 37.6#

84 133.9 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: 60.562 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000581.D

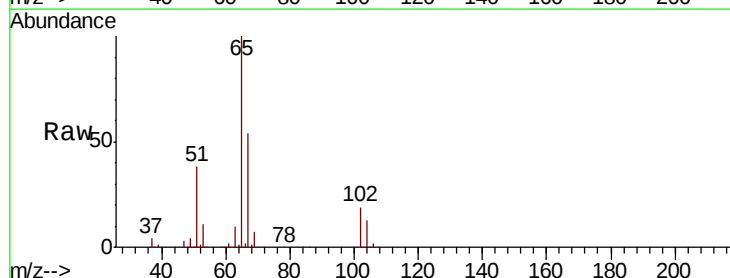
Acq: 07 Nov 2019 15:27

Tgt Ion: 65 Resp: 150344

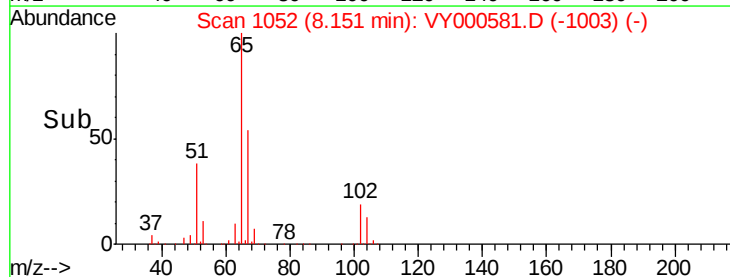
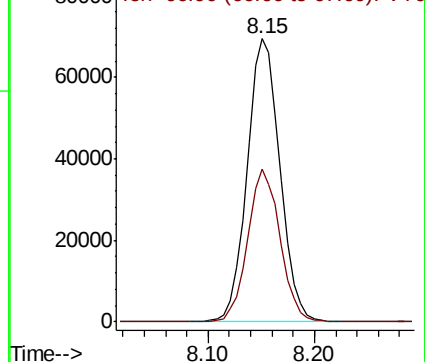
Ion Ratio Lower Upper

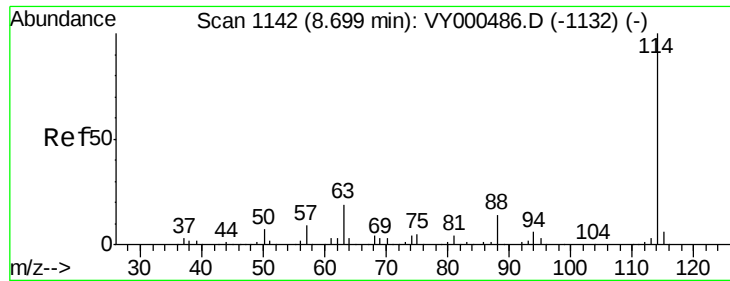
65 100

67 53.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

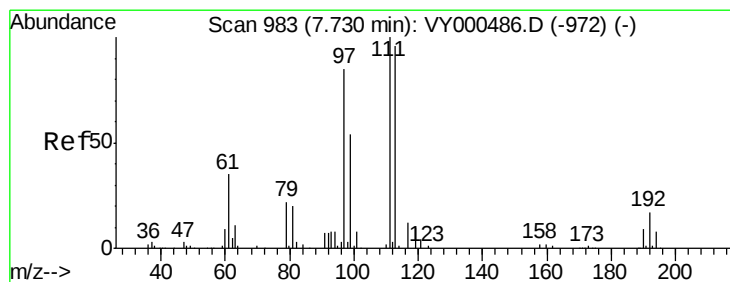
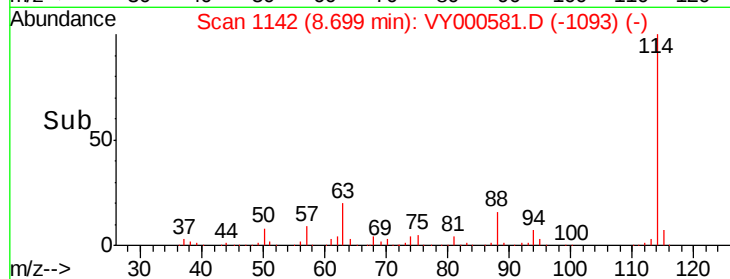
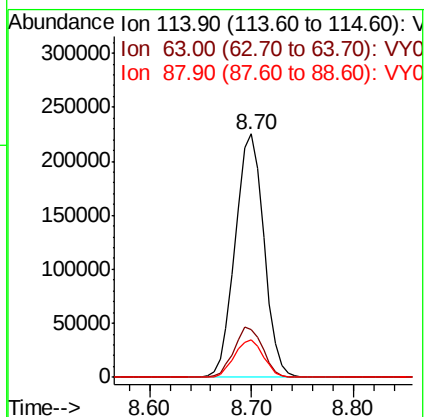
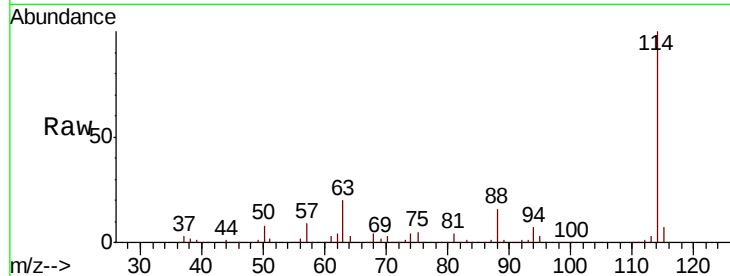




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000581.D
 Acq: 07 Nov 2019 15:27

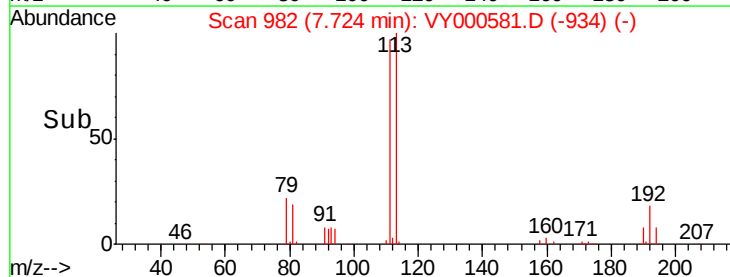
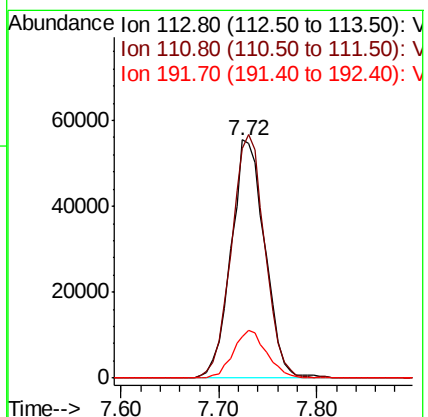
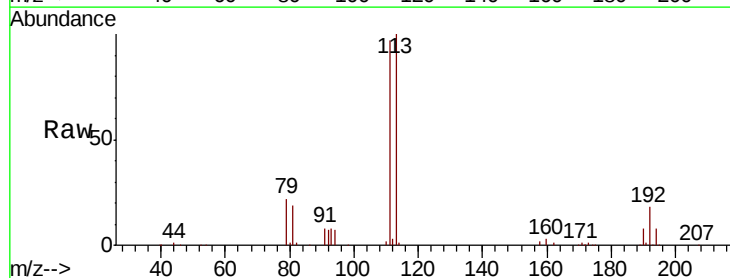
Instrument :
 MSVOA_Y
 ClientSampleId :

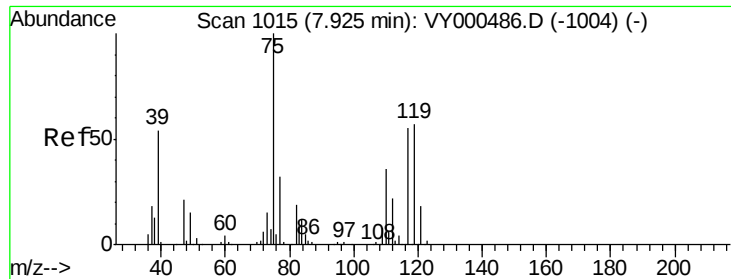
Tot Ion:114 Resp: 438979
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.0
 88 15.7 0.0 28.6



#35
 Dibromofluoromethane
 Concen: 51.222 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000581.D
 Acq: 07 Nov 2019 15:27

Tgt Ion:113 Resp: 132005
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.7 122.5
 192 19.9 15.0 22.4

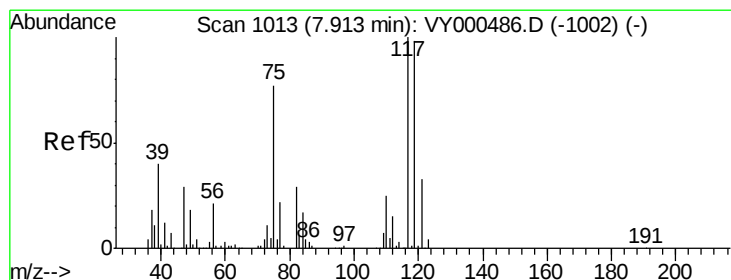
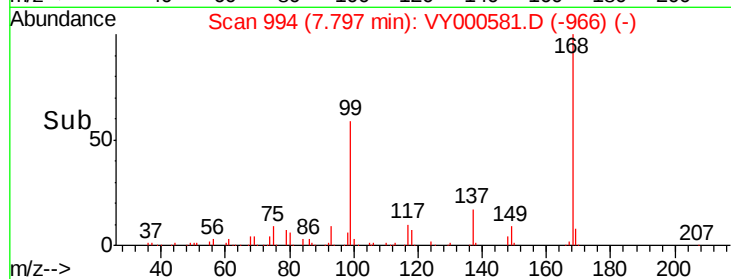
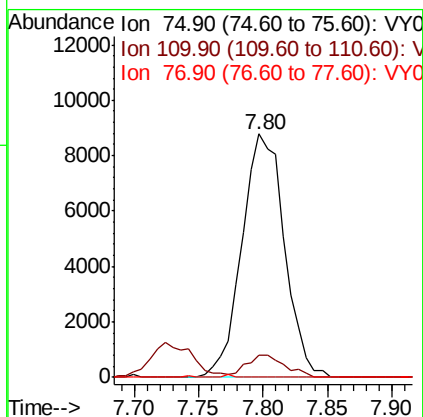
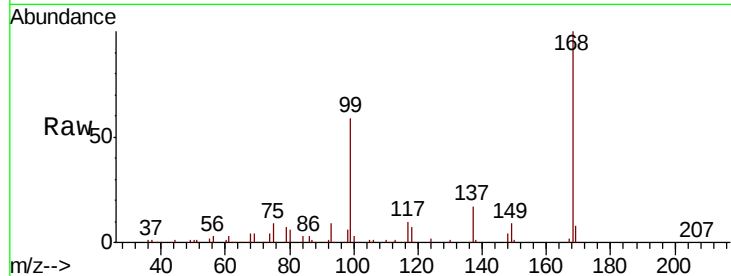




#36
 1,1-Dichloropropene
 Concen: 4.825 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000581.D
 Acq: 07 Nov 2019 15:27

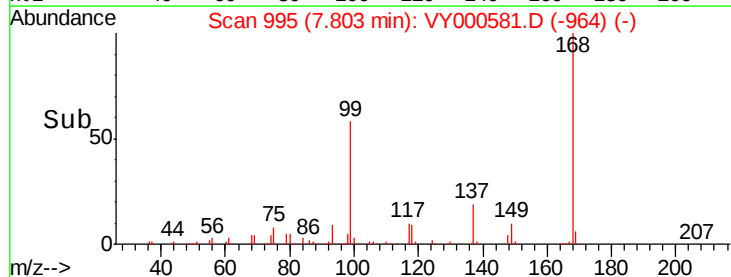
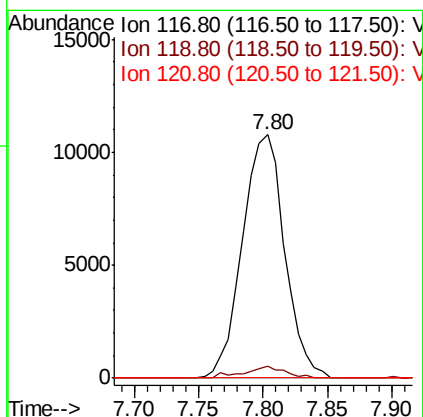
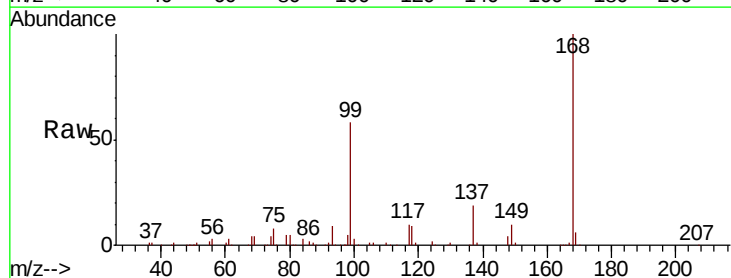
Instrument :
 MSVOA_Y
 ClientSampled :

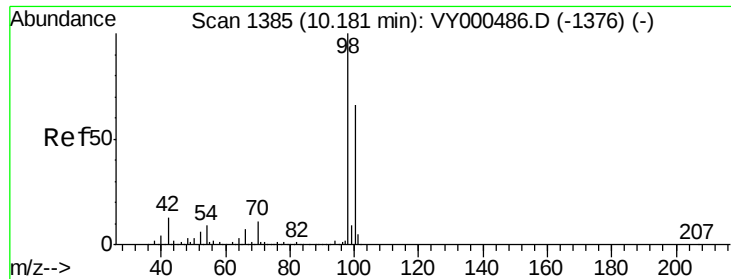
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.122 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000581.D
 Acq: 07 Nov 2019 15:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	78.0	117.0#
121	0.0	26.6	40.0#





#50

Toluene-d8

Concen: 53.153 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000581.D

Acq: 07 Nov 2019 15:27

Instrument :

MSVOA_Y

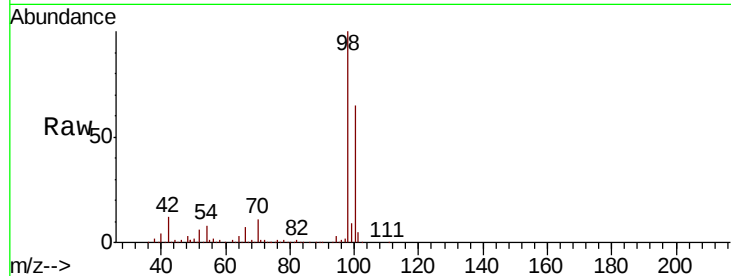
ClientSampleId :

Tot Ion: 98 Resp: 519767

Ion Ratio Lower Upper

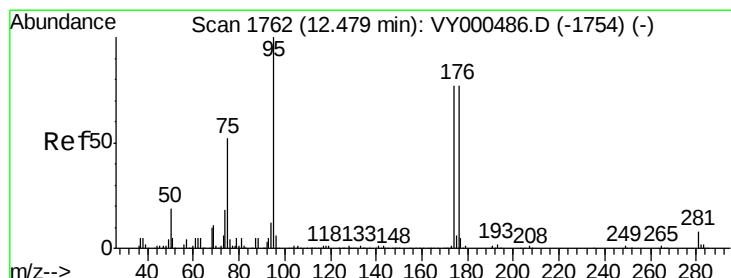
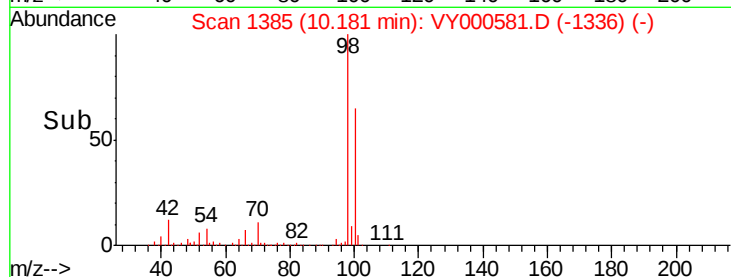
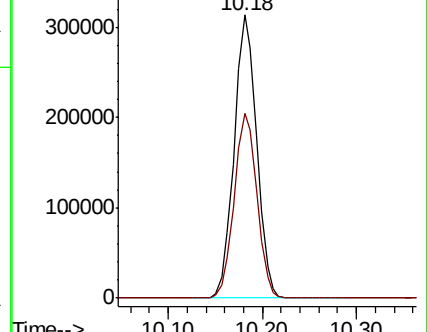
98 100

100 65.9 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: 47.330 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000581.D

Acq: 07 Nov 2019 15:27

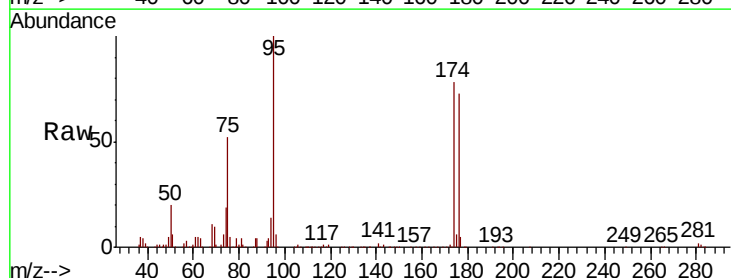
Tgt Ion: 95 Resp: 176195

Ion Ratio Lower Upper

95 100

174 78.3 0.0 161.6

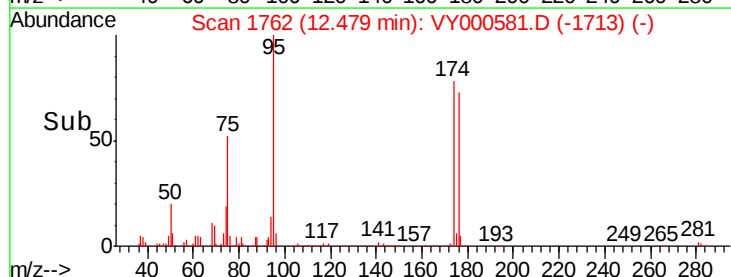
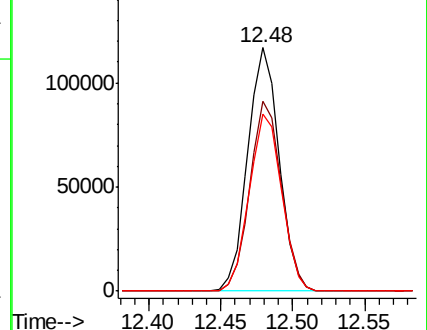
176 75.1 0.0 157.8

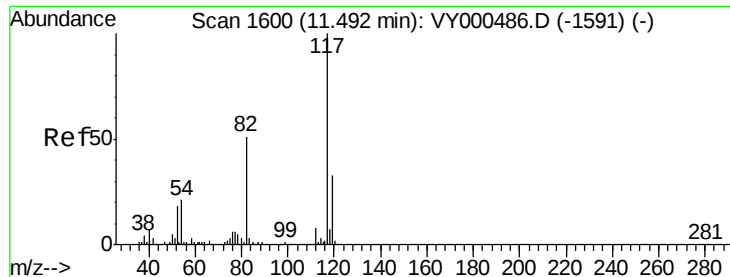


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

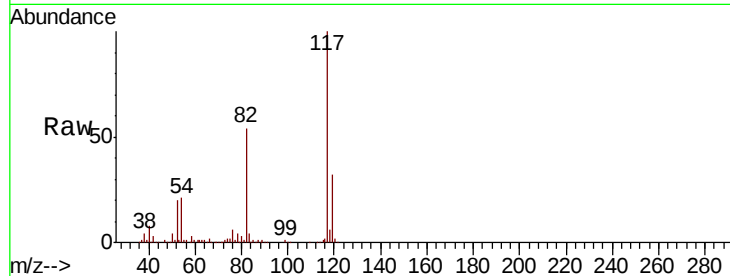




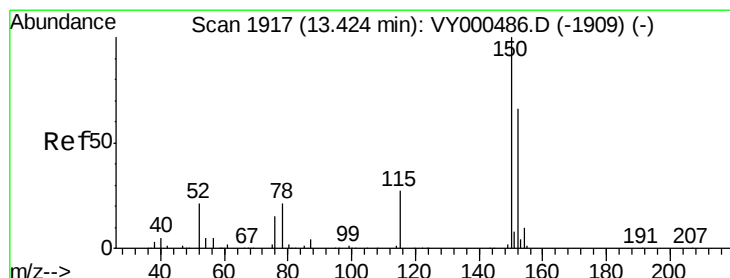
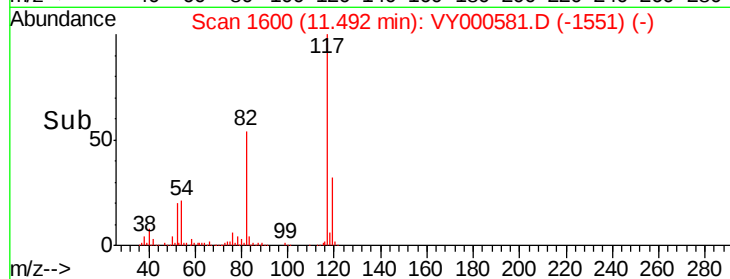
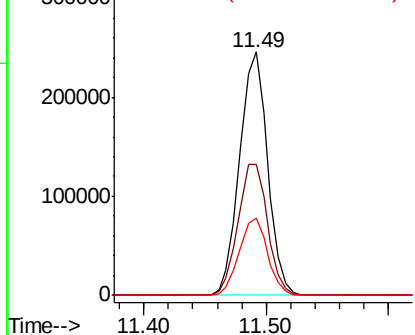
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000581.D
Acq: 07 Nov 2019 15:27

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 390868
Ion Ratio Lower Upper
117 100
82 53.6 40.8 61.2
119 31.8 26.2 39.2

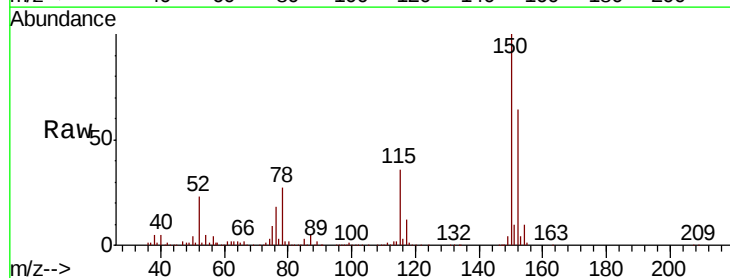


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

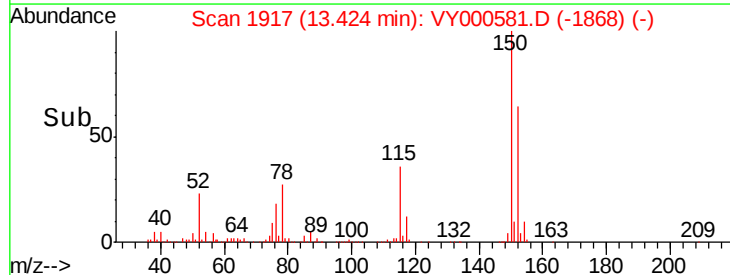
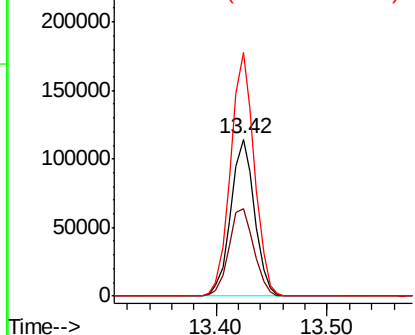


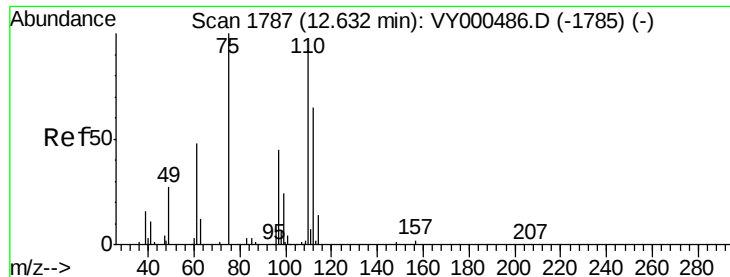
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000581.D
Acq: 07 Nov 2019 15:27

Tgt Ion:152 Resp: 168517
Ion Ratio Lower Upper
152 100
115 59.0 29.1 87.4
150 154.8 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: 49.648 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000581.D

Acq: 07 Nov 2019 15:27

Instrument :

MSVOA_Y

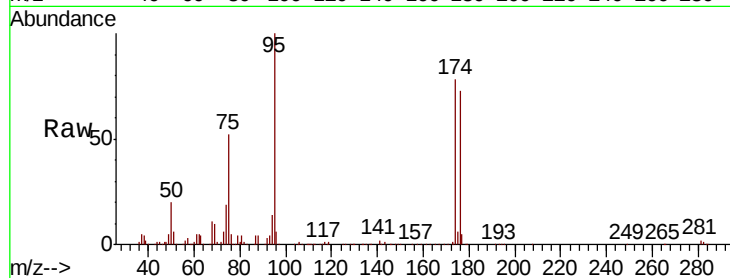
ClientSampleId :

Tot Ion: 75 Resp: 95265

Ion Ratio Lower Upper

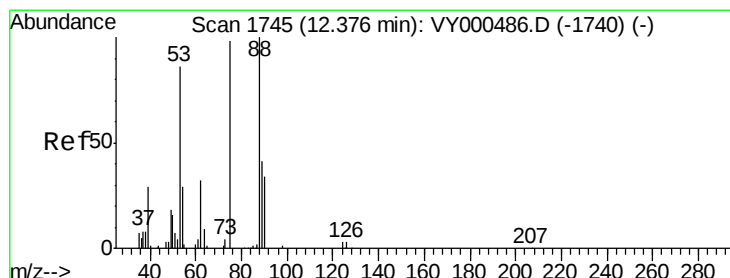
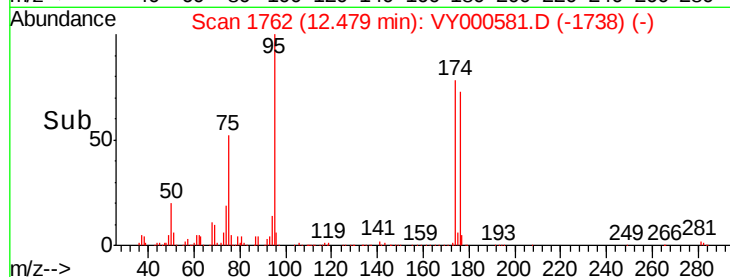
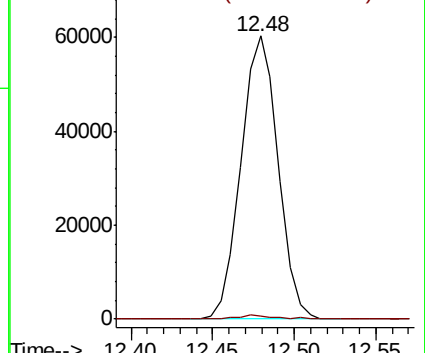
75 100

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: 111.318 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000581.D

Acq: 07 Nov 2019 15:27

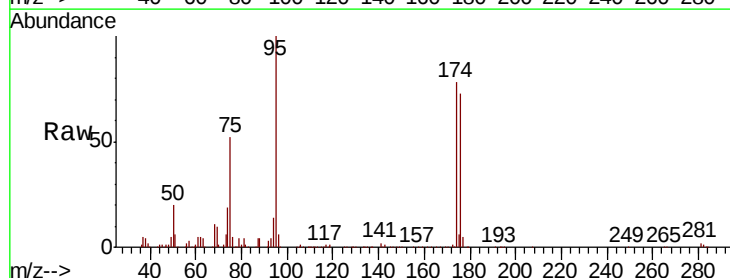
Tgt Ion: 75 Resp: 95265

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.1 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

