

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
 Data File : VY000578.D
 Acq On : 07 Nov 2019 14:21
 Operator : SY/MD
 Sample : K5723-09
 Misc : 7.46G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 03:47:01 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	244929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	444088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	397581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	175520	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	149599	59.02	ug/l	0.00
Spiked Amount			Recovery	=	118.04%	
35) Dibromofluoromethane	7.73	113	131448	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
50) Toluene-d8	10.18	98	519078	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
62) 4-Bromofluorobenzene	12.48	95	182097	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	

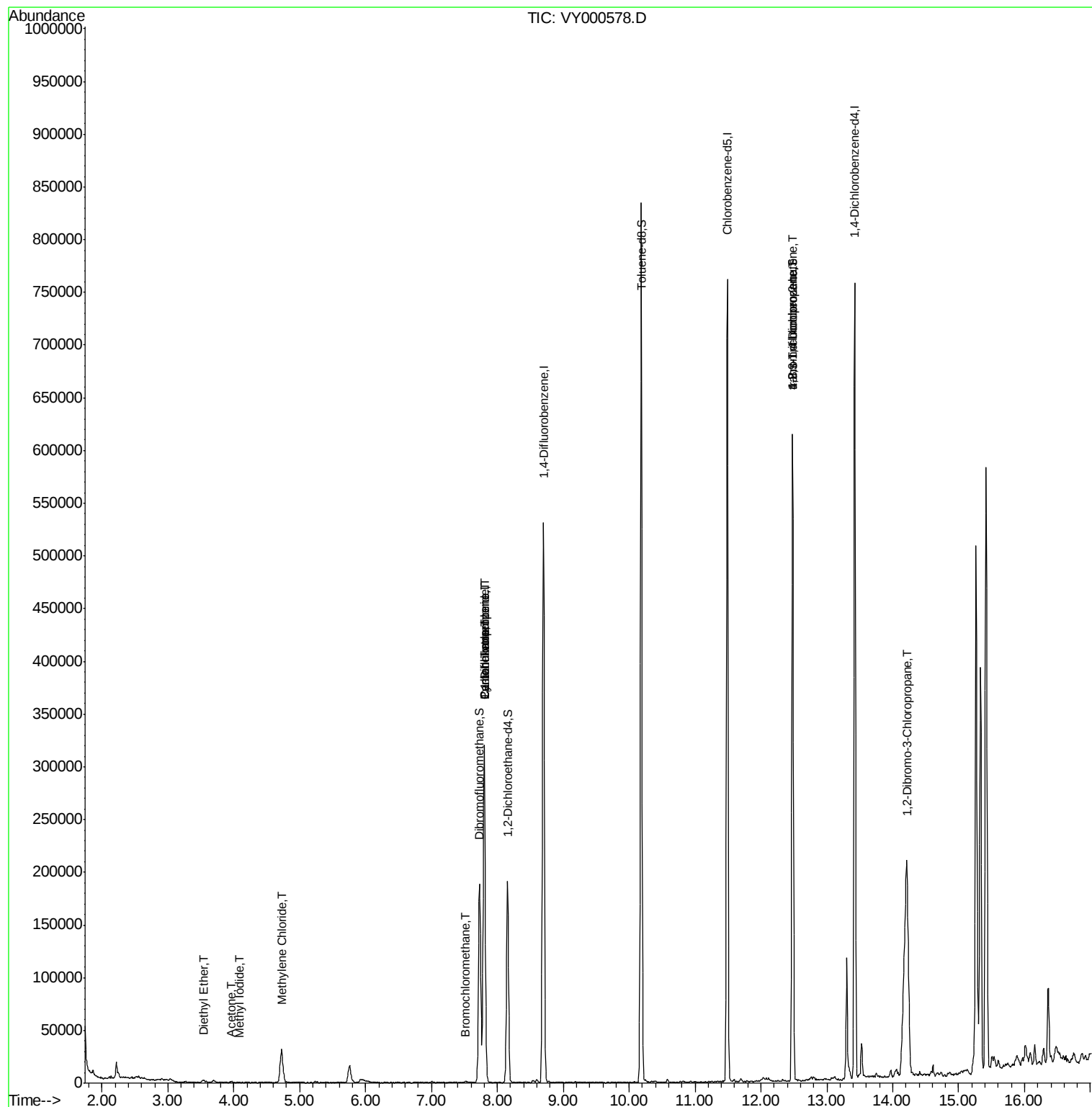
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	1634	1.104	ug/l	97
10) Methyl Iodide	4.08	142	116	3.232	ug/l #	86
16) Acetone	3.96	43	2131	3.050	ug/l	96
20) Methylene Chloride	4.72	84	22149	7.399	ug/l	90
28) Bromochloromethane	7.52	49	61	4.119	ug/l #	14
31) Cyclohexane	7.80	56	5948	1.212	ug/l #	22
36) 1,1-Dichloropropene	7.80	75	20246	4.823	ug/l #	45
38) Carbon Tetrachloride	7.80	117	24061	5.956	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	95912	47.991	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	95912	107.603	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.22	75	2717	5.977	ug/l #	1

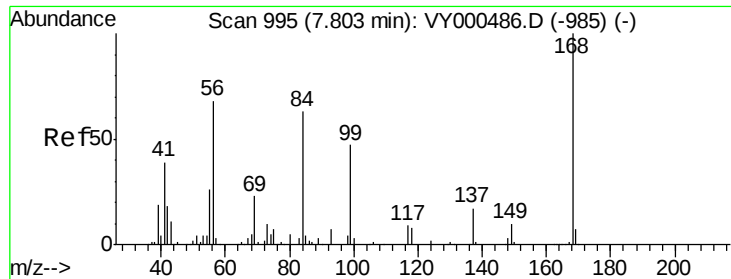
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
Data File : VY000578.D
Acq On : 07 Nov 2019 14:21
Operator : SY/MD
Sample : K5723-09
Misc : 7.46G/5ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Nov 08 03:47:01 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: VY000578.D

Acq: 07 Nov 2019 14:21

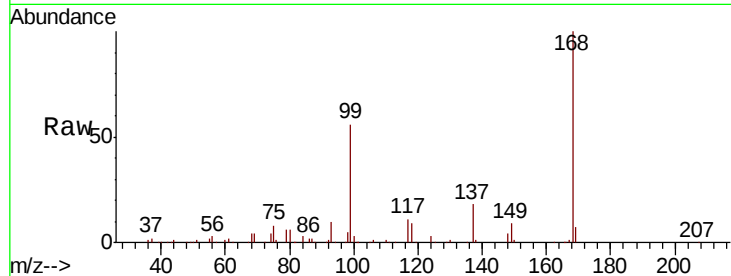
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 244929

Ion Ratio Lower Upper

168 100

99 55.9 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

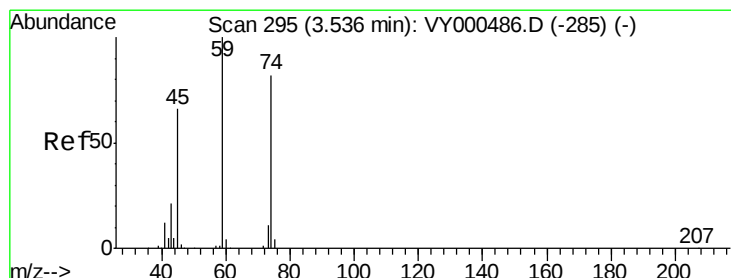
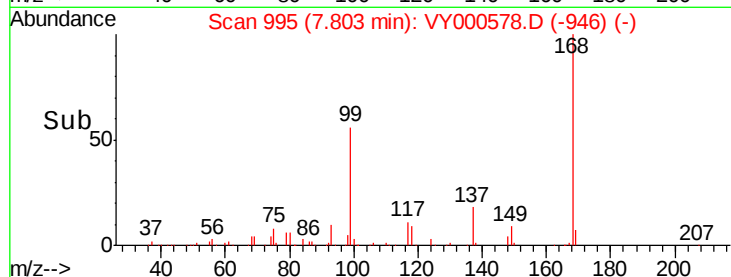
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.104 ug/l

RT: 3.54 min Scan# 296

Delta R.T. 0.01 min

Lab File: VY000578.D

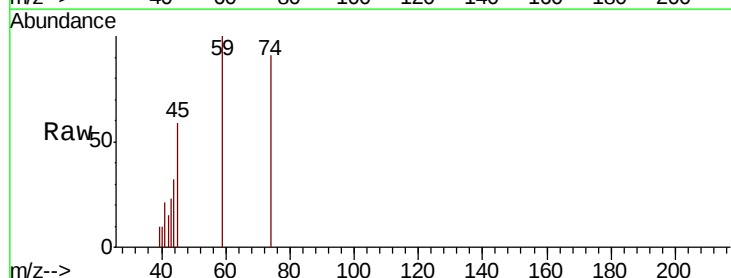
Acq: 07 Nov 2019 14:21

Tgt Ion: 74 Resp: 1634

Ion Ratio Lower Upper

74 100

45 88.1 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

800

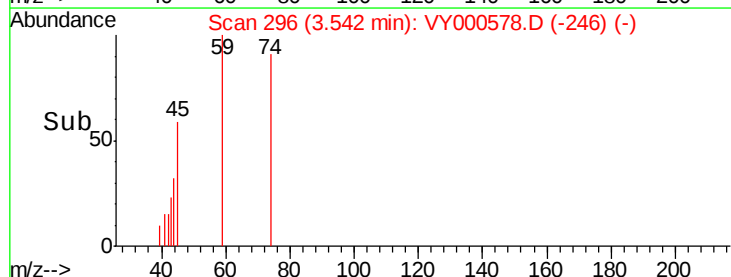
600

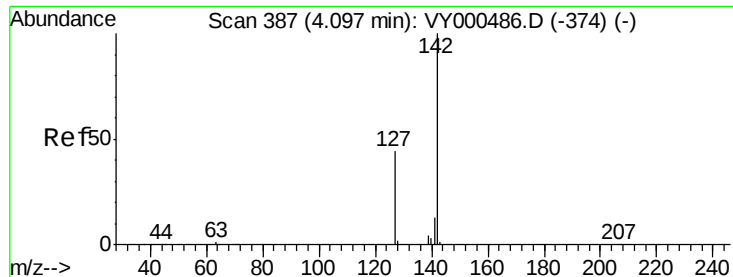
400

200

0

Time-->

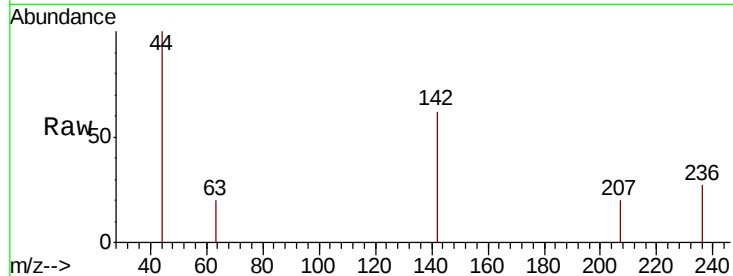




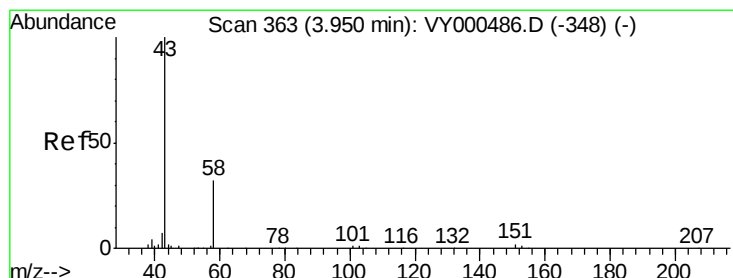
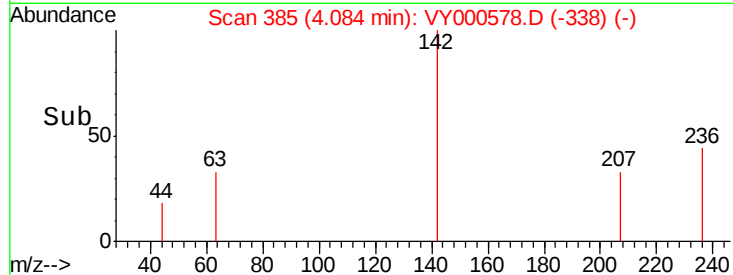
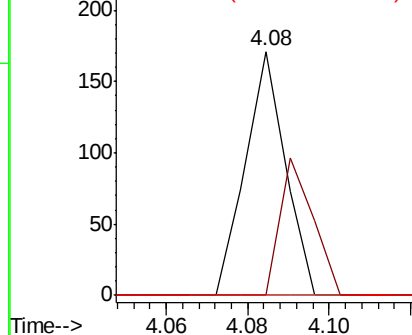
#10
Methyl Iodide
Concen: 3.232 ug/l
RT: 4.08 min Scan# 385
Delta R.T. -0.01 min
Lab File: VY000578.D
Acq: 07 Nov 2019 14:21

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:142 Resp: 116
Ion Ratio Lower Upper
142 100
127 46.6 33.7 50.5
141 0.0 10.9 16.3#

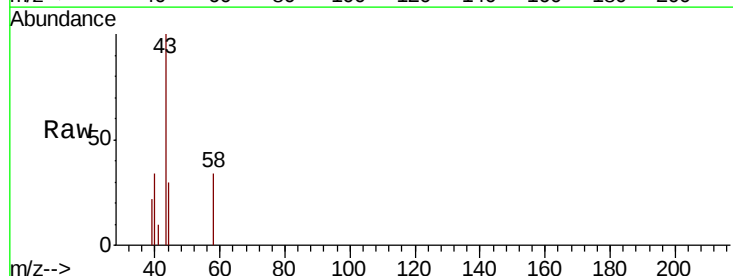


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

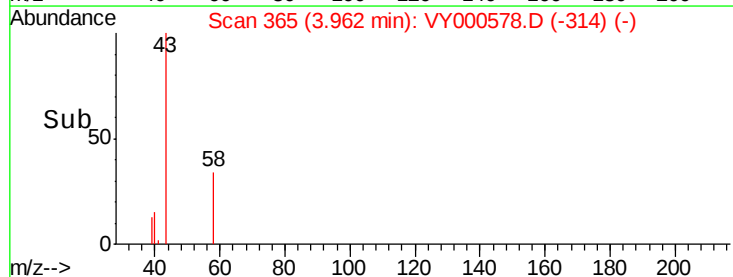
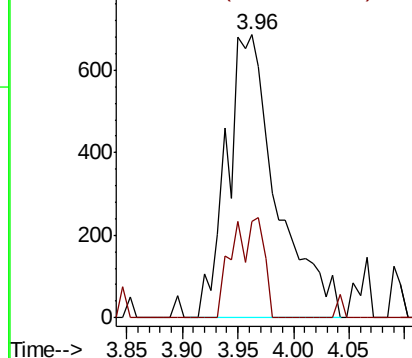


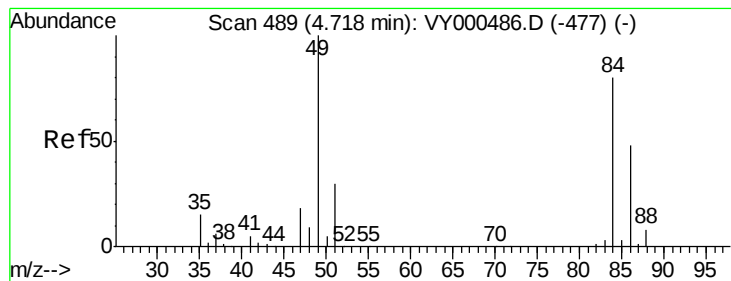
#16
Acetone
Concen: 3.050 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY000578.D
Acq: 07 Nov 2019 14:21

Tgt Ion: 43 Resp: 2131
Ion Ratio Lower Upper
43 100
58 34.3 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0





#20

Methvlene Chloride

Concen: 7.399 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000578.D

Acq: 07 Nov 2019 14:21

Instrument :

MSVOA_Y

ClientSampled :

Tot Ion: 84 Resp: 22149

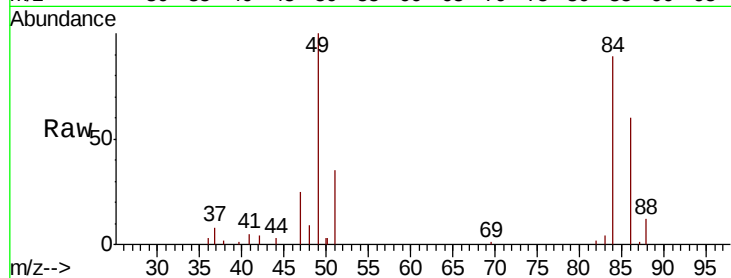
Ion Ratio Lower Upper

84 100

49 112.3 100.2 150.4

51 39.5 29.6 44.4

86 67.3 48.3 72.5

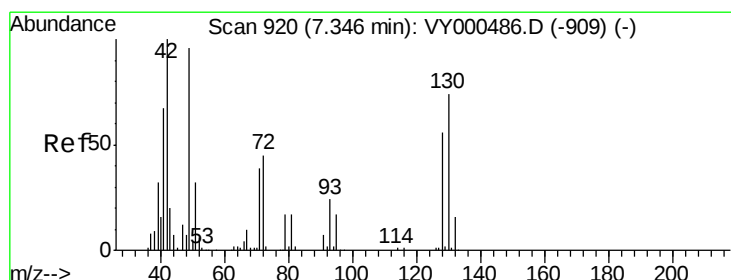
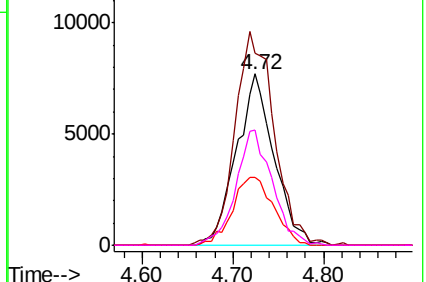
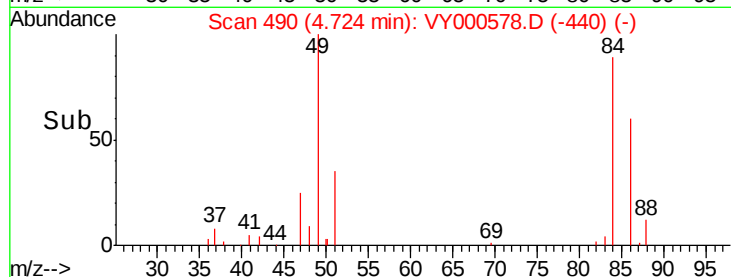


Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 4.119 ug/l

RT: 7.52 min Scan# 948

Delta R.T. 0.17 min

Lab File: VY000578.D

Acq: 07 Nov 2019 14:21

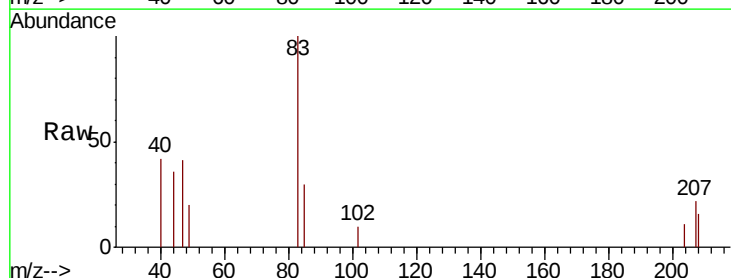
Tgt Ion: 49 Resp: 61

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

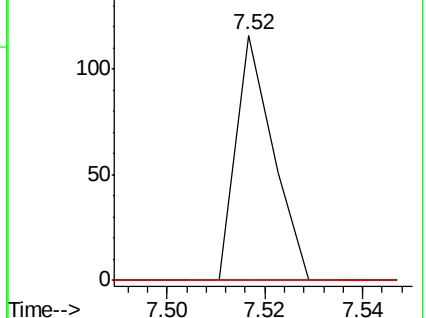
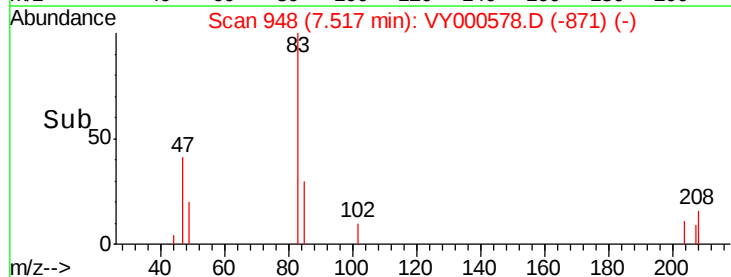
130 0.0 59.4 89.0#

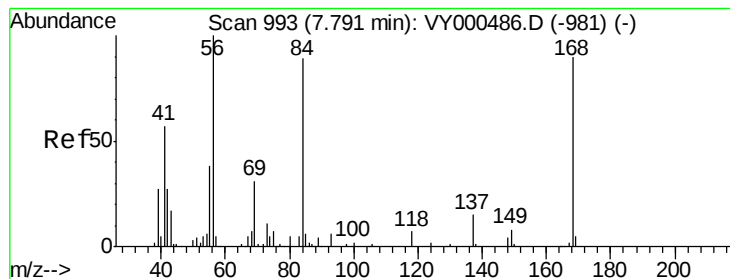


Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#31

Cyclohexane

Concen: 1.212 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000578.D

Acq: 07 Nov 2019 14:21

Instrument :
MSVOA_Y
ClientSampled :

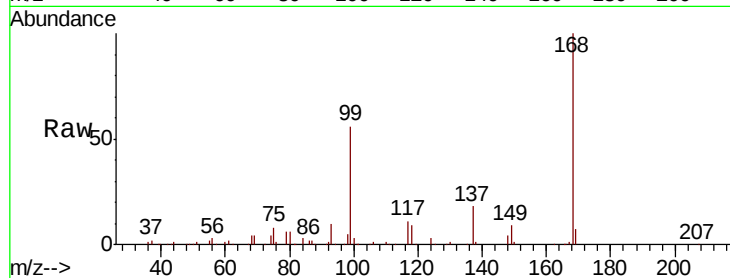
Tot Ion: 56 Resp: 5948

Ion Ratio Lower Upper

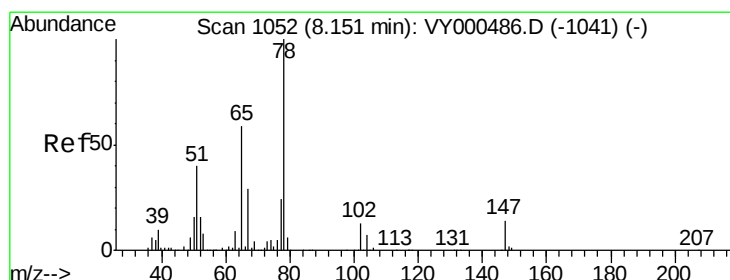
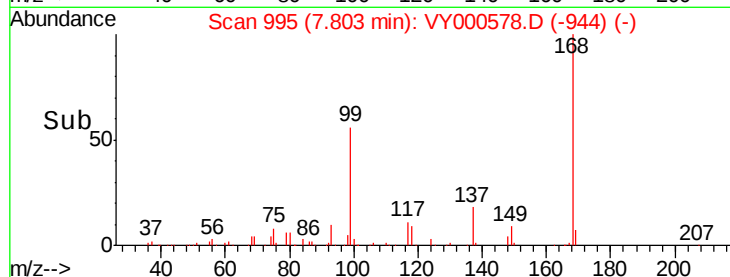
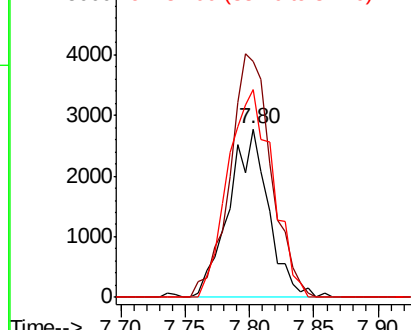
56 100

69 139.8 25.0 37.6#

84 123.4 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: 59.021 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY000578.D

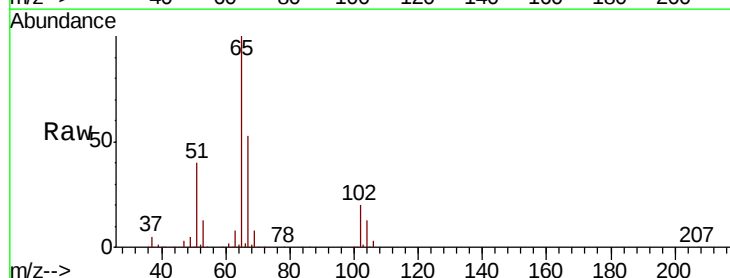
Acq: 07 Nov 2019 14:21

Tgt Ion: 65 Resp: 149599

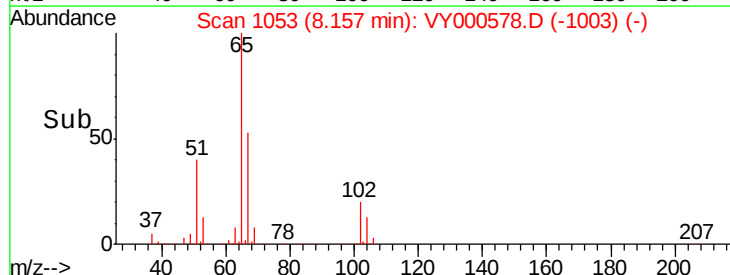
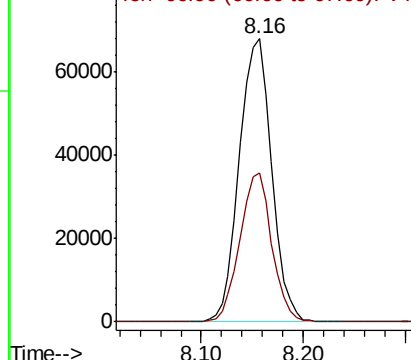
Ion Ratio Lower Upper

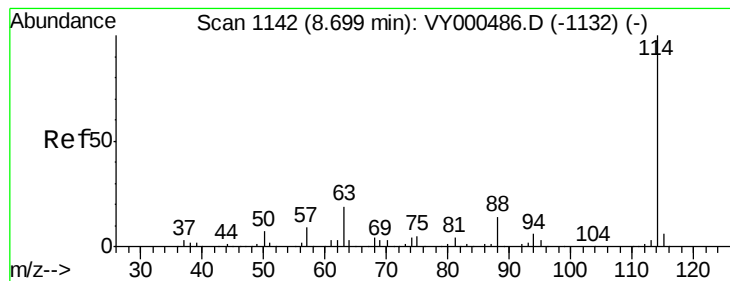
65 100

67 51.9 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: VY000578.D

Acq: 07 Nov 2019 14:21

Instrument :

MSVOA_Y

ClientSampleId :

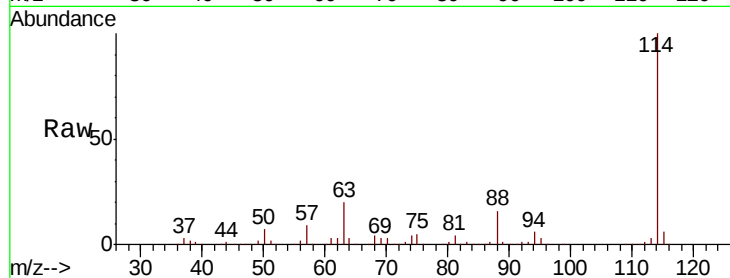
Tot Ion:114 Resp: 444088

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.0

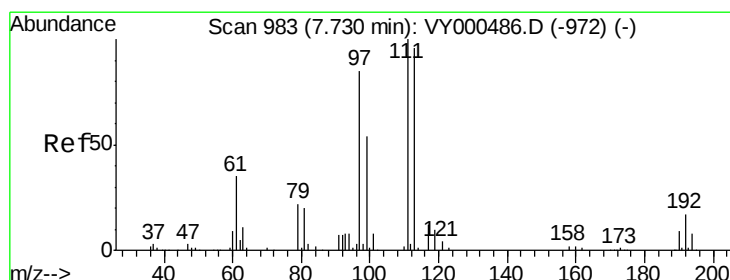
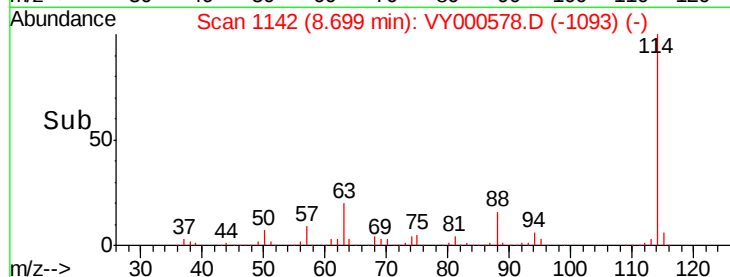
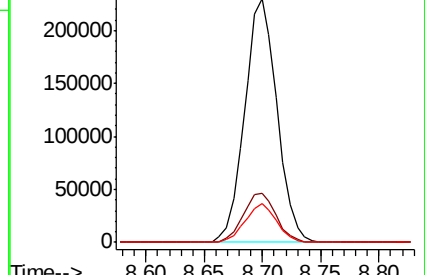
88 16.0 0.0 28.6



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: 50.420 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000578.D

Acq: 07 Nov 2019 14:21

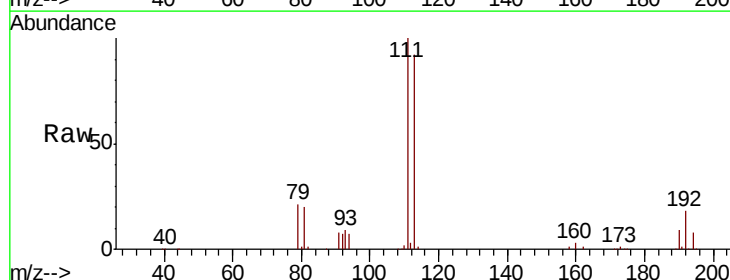
Tgt Ion:113 Resp: 131448

Ion Ratio Lower Upper

113 100

111 103.5 81.7 122.5

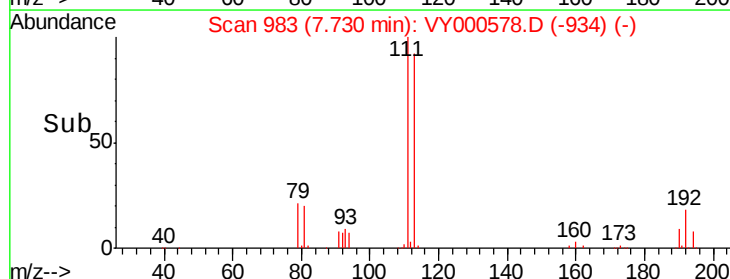
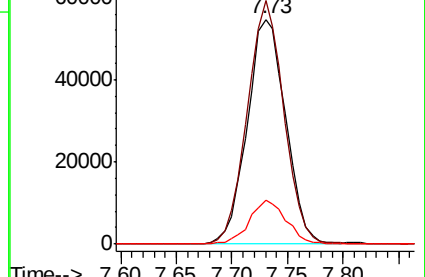
192 18.6 15.0 22.4

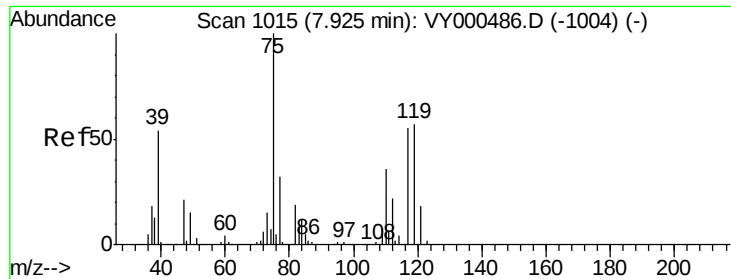


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

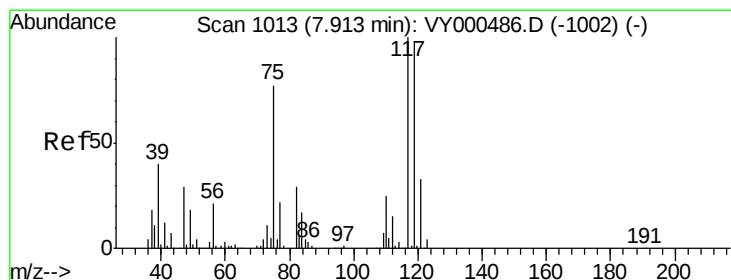
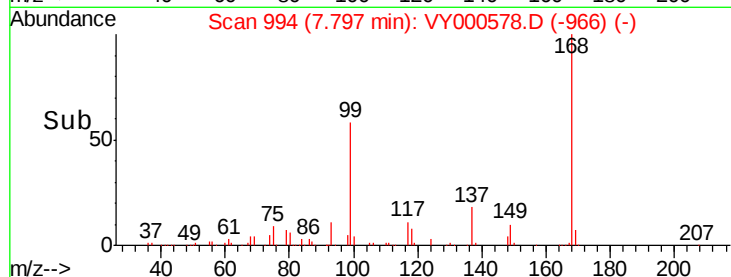
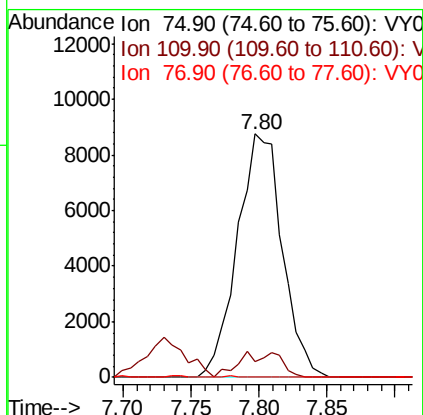
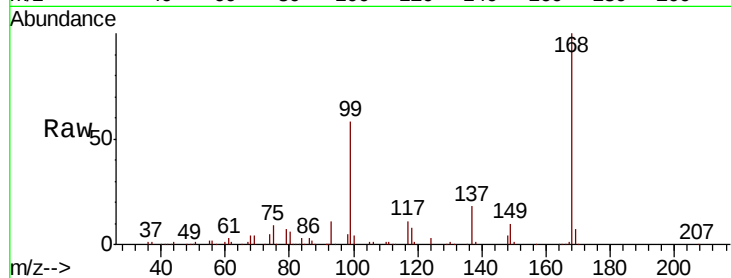




#36
 1,1-Dichloropropene
 Concen: 4.823 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000578.D
 Acq: 07 Nov 2019 14:21

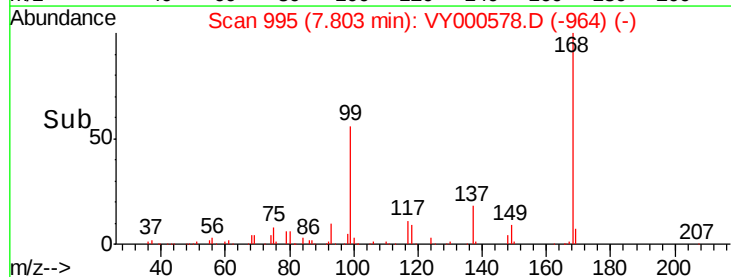
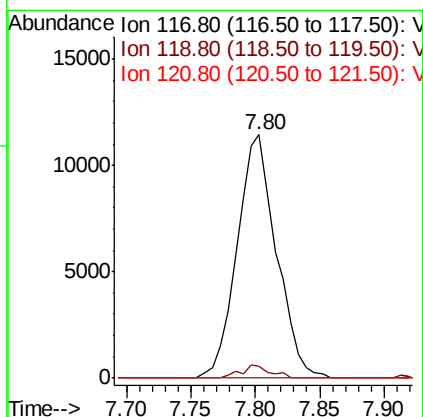
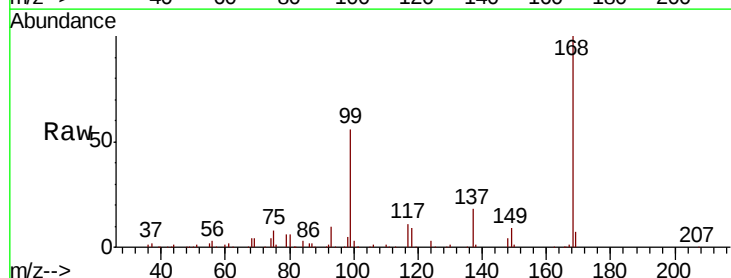
Instrument :
 MSVOA_Y
 ClientSampled :

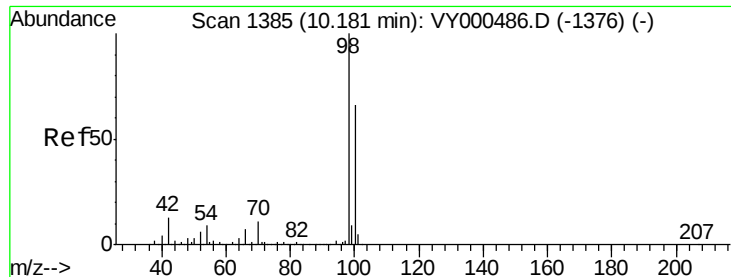
Tot Ion	75	Resp	20246
Ion Ratio	Lower	Upper	
75	100		
110	4.6	18.1	54.1#
77	0.1	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.956 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000578.D
 Acq: 07 Nov 2019 14:21

Tgt Ion	117	Resp	24061
Ion Ratio	Lower	Upper	
117	100		
119	4.7	78.0	117.0#
121	0.0	26.6	40.0#

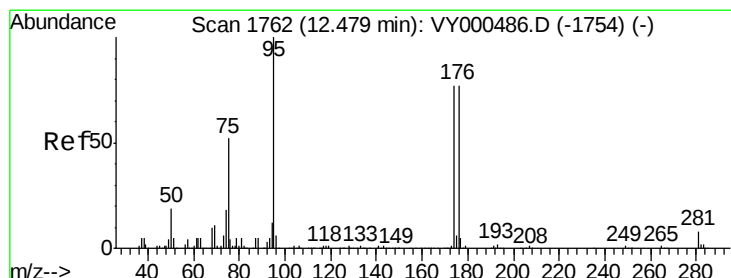
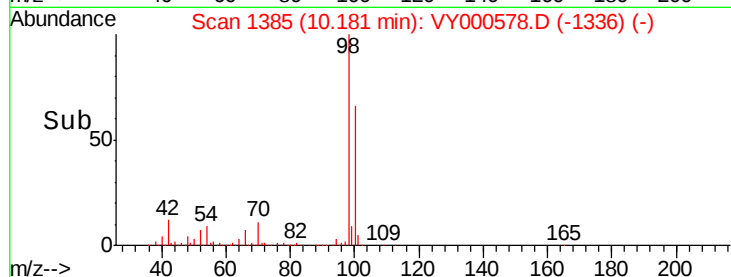
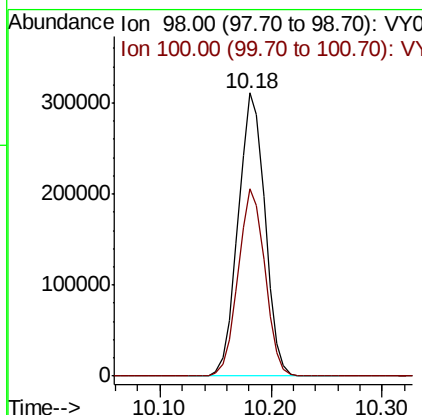
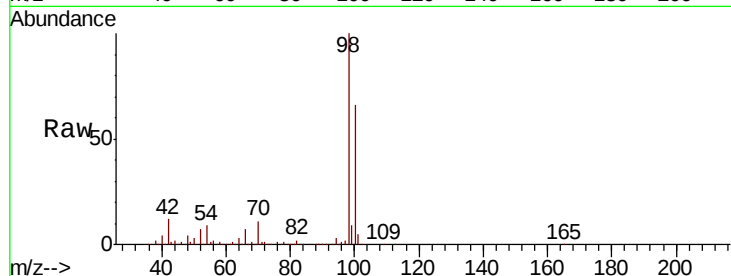




#50
Toluene-d8
Concen: 52.472 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000578.D
Acq: 07 Nov 2019 14:21

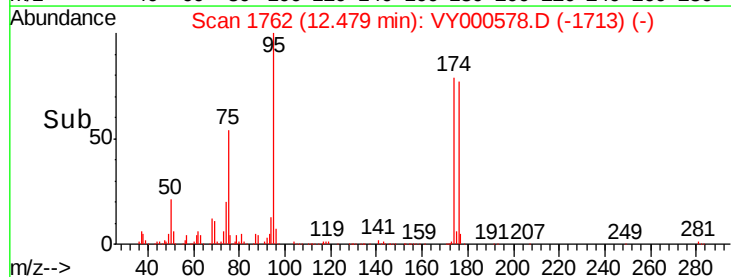
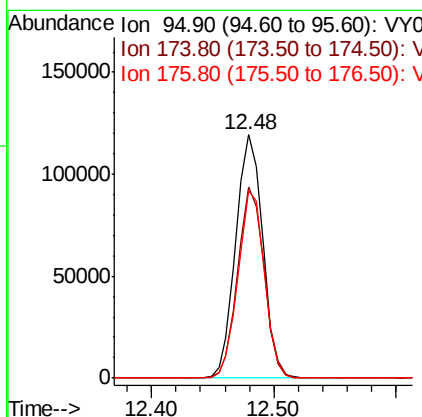
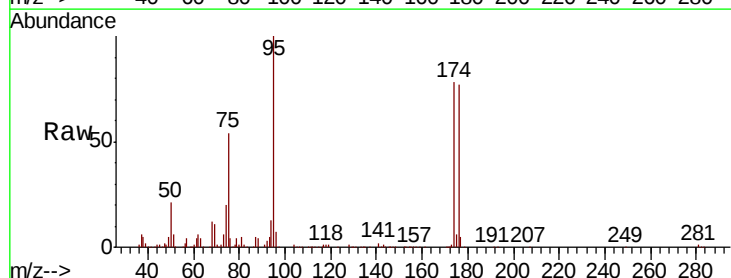
Instrument :
MSVOA_Y
ClientSampleId :

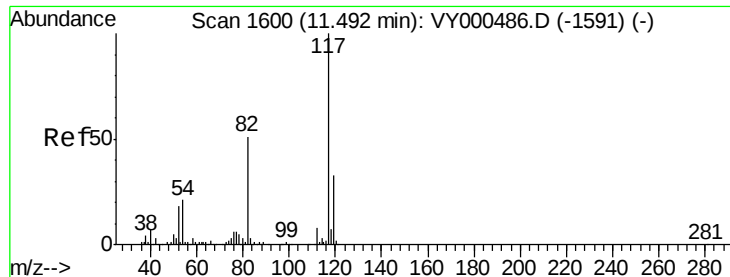
Tot Ion: 98 Resp: 519078
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 48.353 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000578.D
Acq: 07 Nov 2019 14:21

Tgt Ion: 95 Resp: 182097
Ion Ratio Lower Upper
95 100
174 77.3 0.0 161.6
176 75.2 0.0 157.8

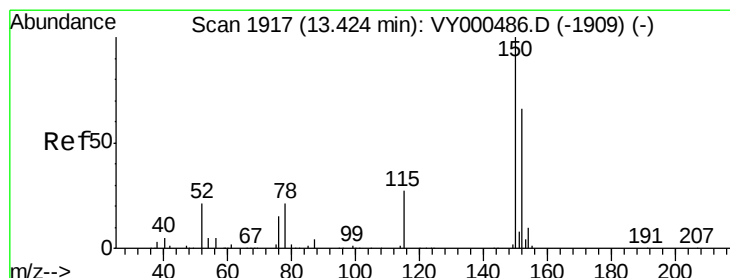
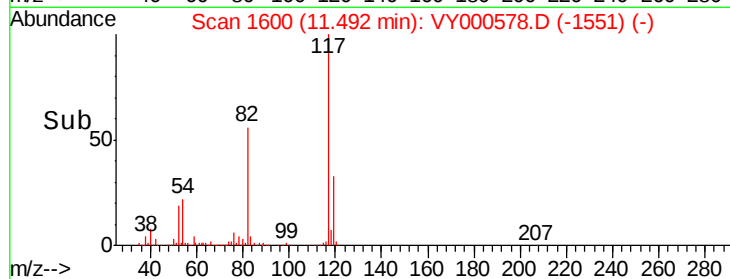
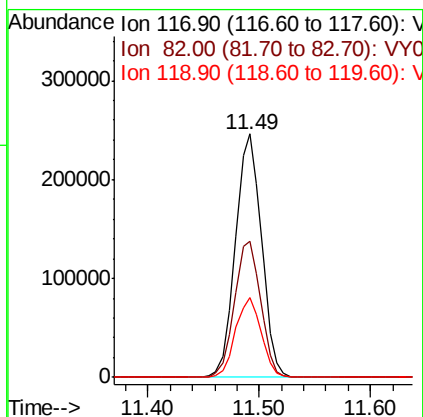
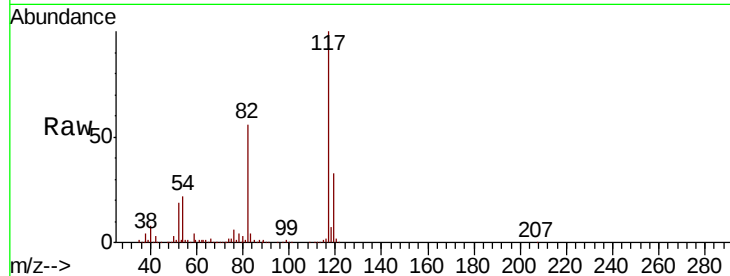




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000578.D
Acq: 07 Nov 2019 14:21

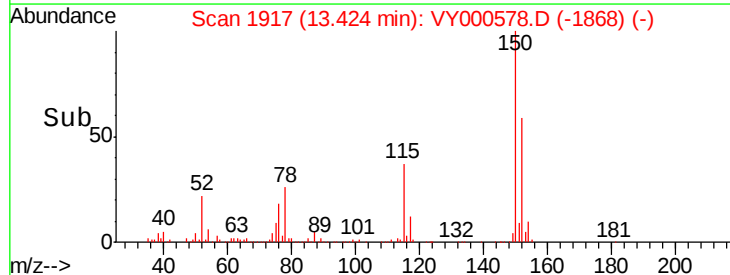
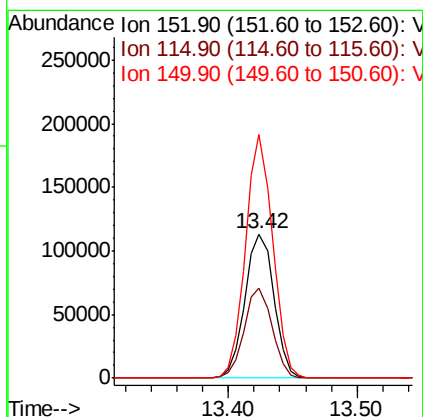
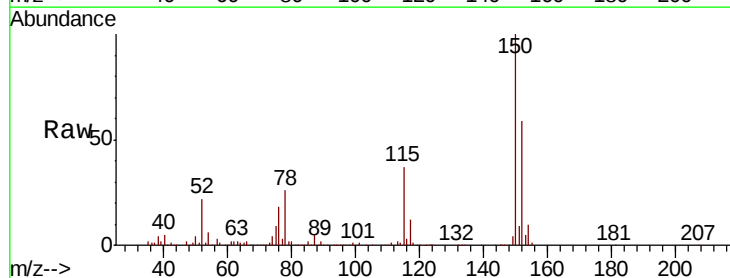
Instrument :
MSVOA_Y
ClientSampleId :

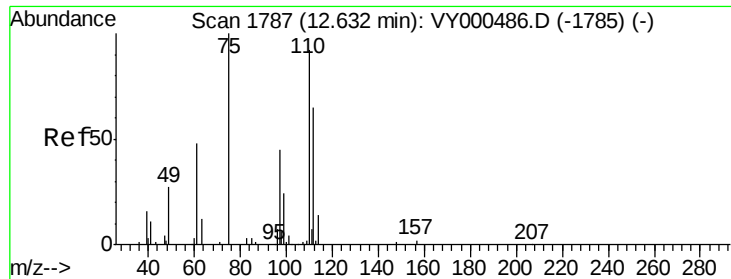
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	40.8	61.2
119	32.9	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000578.D
Acq: 07 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	29.1	87.4
150	158.5	0.0	348.8





#76

1,2,3-Trichloropropane

Concen: 47.991 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000578.D

Acq: 07 Nov 2019 14:21

Instrument :

MSVOA_Y

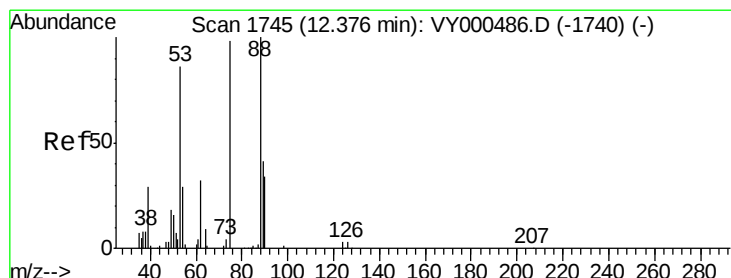
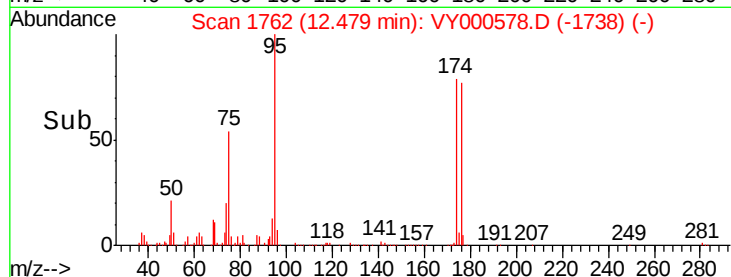
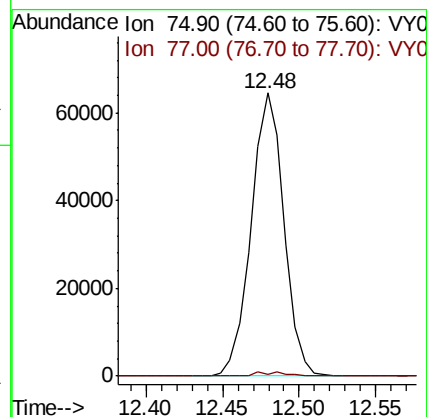
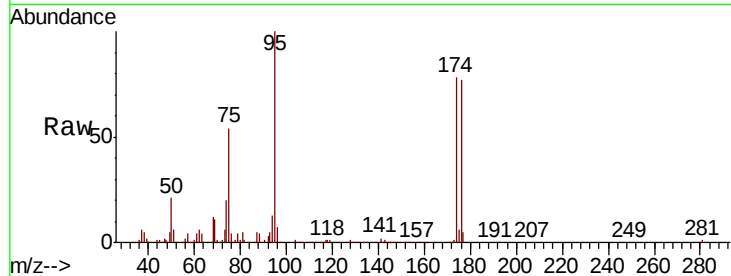
ClientSampleId :

Tot Ion: 75 Resp: 95912

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 107.603 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000578.D

Acq: 07 Nov 2019 14:21

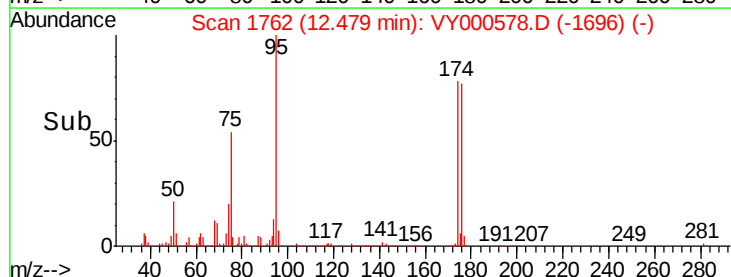
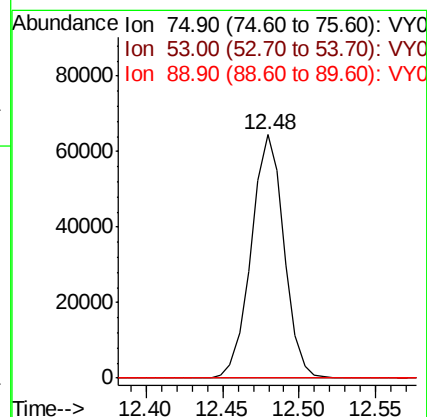
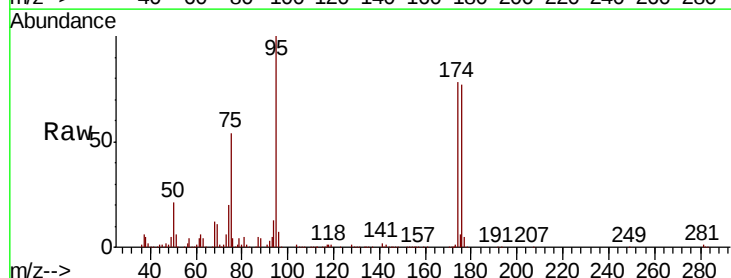
Tgt Ion: 75 Resp: 95912

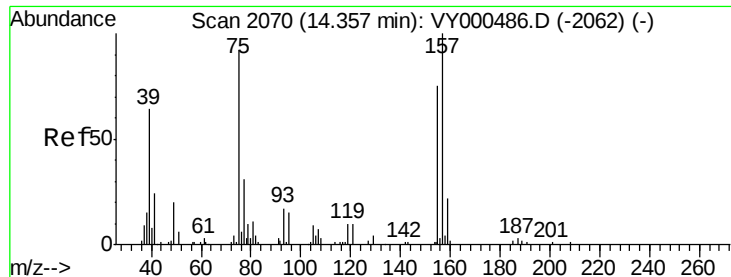
Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.0 35.9 53.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 5.977 ug/l

RT: 14.22 min Scan# 2047

Delta R.T. -0.14 min

Lab File: VY000578.D

Acq: 07 Nov 2019 14:21

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 2717

Ion Ratio Lower Upper

75 100

155 1.5 42.4 127.1#

157 0.0 55.1 165.3#

