

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112619\
 Data File : VY000801.D
 Acq On : 26 Nov 2019 14:13
 Operator : SY/MD
 Sample : K6054-01
 Misc : 5.59G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 27 04:31:28 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	258044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	480670	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	410810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	165654	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	159906	59.88	ug/l	0.00
Spiked Amount			Recovery	=	119.76%	
35) Dibromofluoromethane	7.73	113	140863	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
50) Toluene-d8	10.18	98	567826	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.48	95	178842	43.87	ug/l	0.00
Spiked Amount			Recovery	=	87.74%	

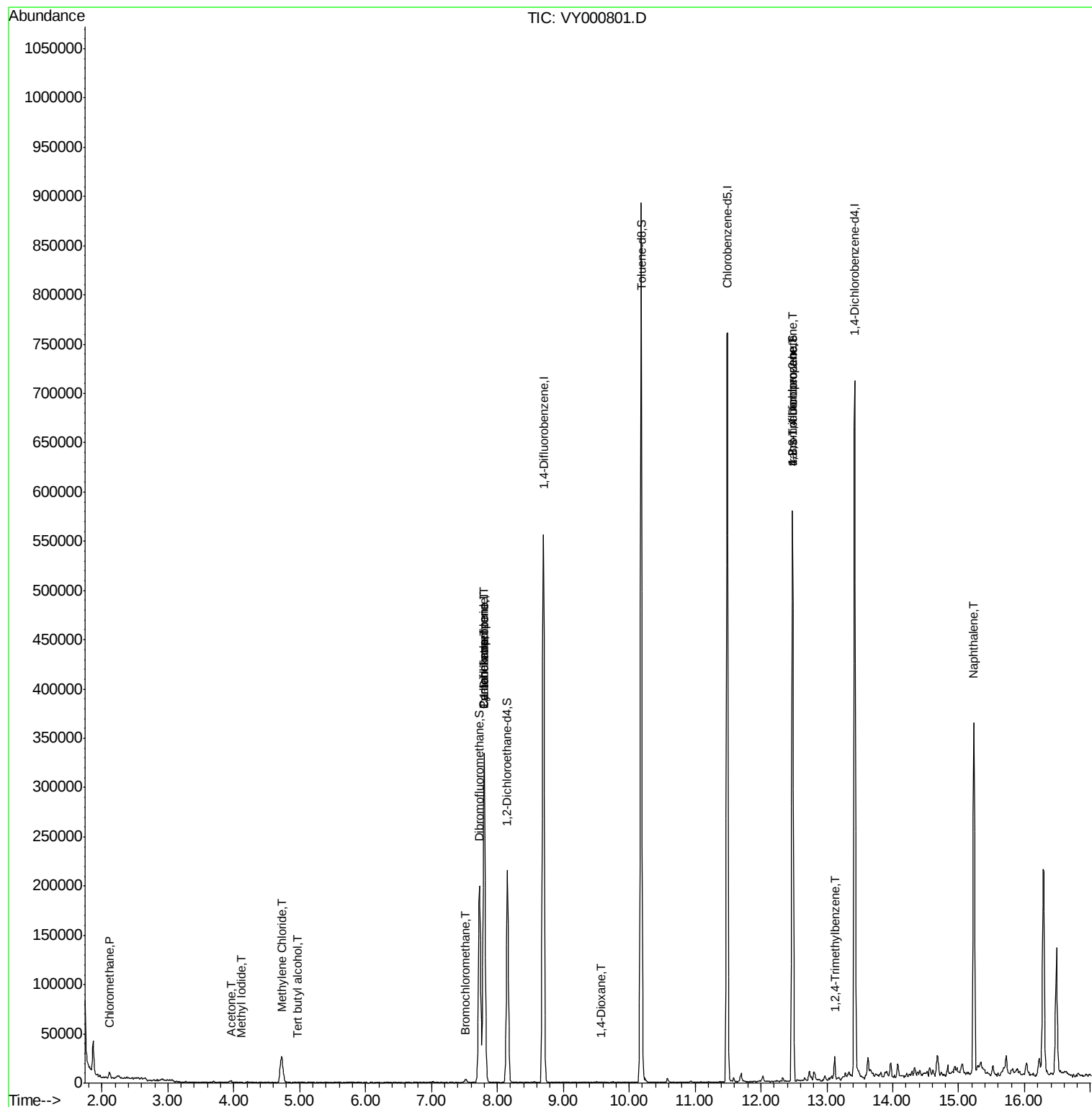
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	4906	1.402	ug/l	97
10) Methyl Iodide	4.10	142	435	3.316	ug/l #	65
11) Tert butyl alcohol	4.97	59	336	1.293	ug/l #	72
16) Acetone	3.96	43	3423	4.651	ug/l	93
20) Methylene Chloride	4.73	84	19145	6.071	ug/l	95
28) Bromochloromethane	7.51	49	111	4.138	ug/l #	14
31) Cyclohexane	7.79	56	5309	1.027	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	20789	4.575	ug/l #	50
38) Carbon Tetrachloride	7.80	117	24818	5.676	ug/l #	15
49) 1,4-Dioxane	9.58	88	27	1.113	ug/l #	27
76) 1,2,3-Trichloropropane	12.48	75	92340	48.956	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	92340	109.765	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	11850	1.167	ug/l	92
95) Naphthalene	15.23	128	284282	38.118	ug/l	99

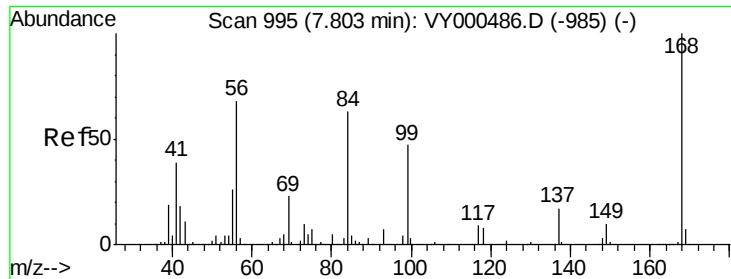
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112619\
Data File : VY000801.D
Acq On : 26 Nov 2019 14:13
Operator : SY/MD
Sample : K6054-01
Misc : 5.59G/5ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Nov 27 04:31:28 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: VY000801.D

Acq: 26 Nov 2019 14:13

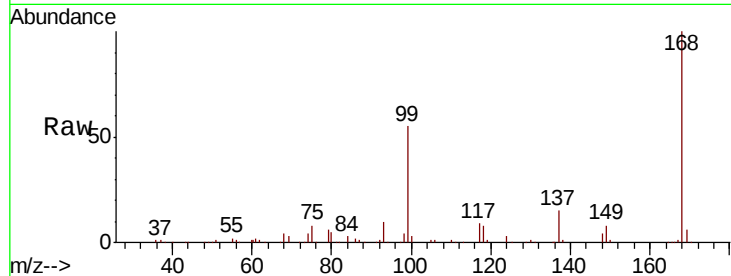
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 258044

Ion Ratio Lower Upper

168 100

99 55.3 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

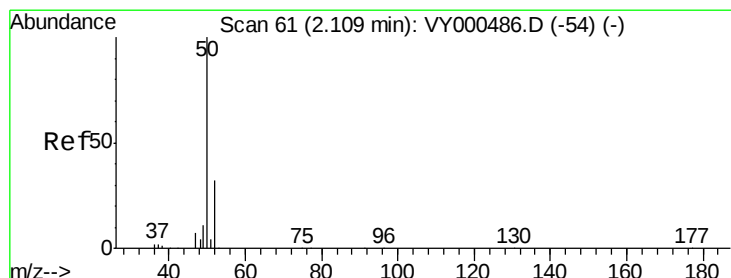
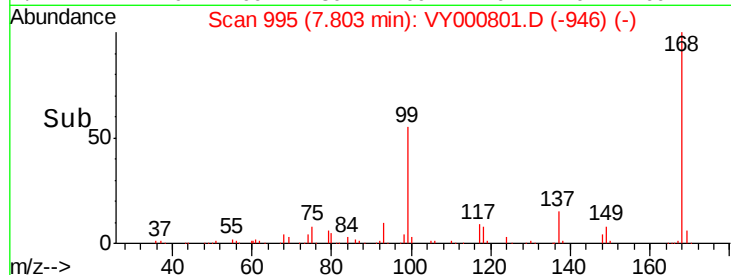
100000

50000

0

Time-->

7.70 7.80 7.90



#3

Chloromethane

Concen: 1.402 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000801.D

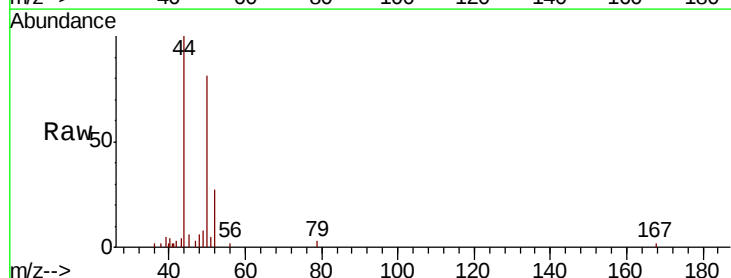
Acq: 26 Nov 2019 14:13

Tgt Ion: 50 Resp: 4906

Ion Ratio Lower Upper

50 100

52 33.1 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VY000486.D (-54) (-)

Ion 51.90 (51.60 to 52.60): VY000486.D (-54) (-)

2.12

3000

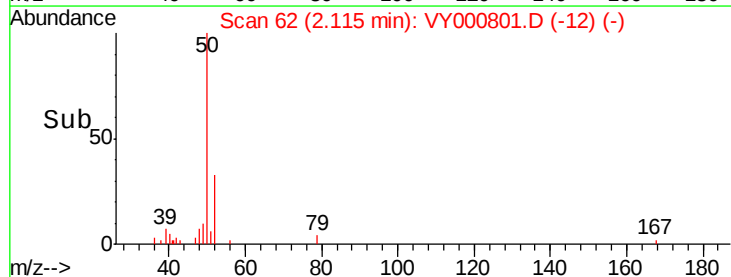
2000

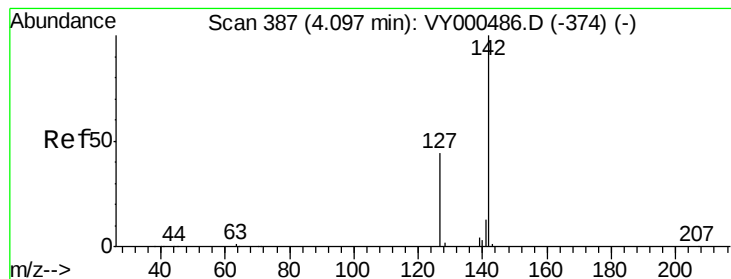
1000

0

Time-->

2.05 2.10 2.15 2.20





#10

Methvl Iodide

Concen: 3.316 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000801.D

Acq: 26 Nov 2019 14:13

Instrument :

MSVOA_Y

ClientSampleId :

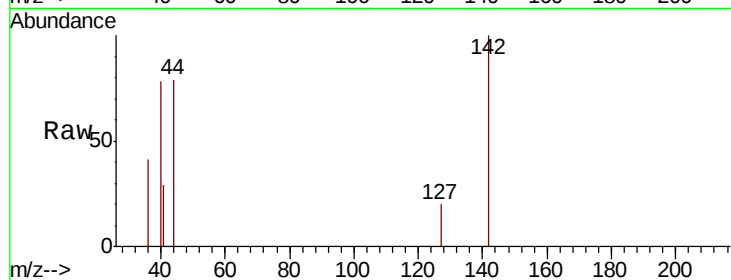
Tot Ion:142 Resp: 435

Ion Ratio Lower Upper

142 100

127 19.8 33.7 50.5#

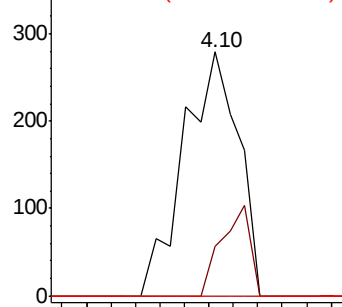
141 0.0 10.9 16.3#



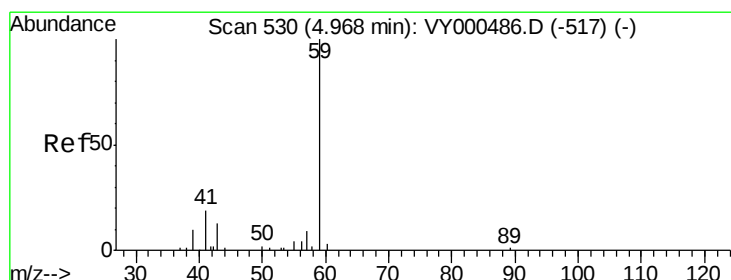
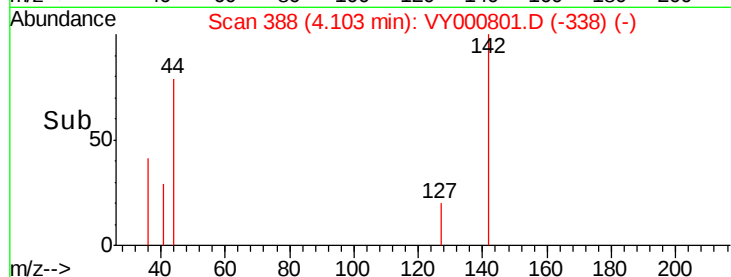
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



#11

Tert butyl alcohol

Concen: 1.293 ug/l

RT: 4.97 min Scan# 530

Delta R.T. 0.00 min

Lab File: VY000801.D

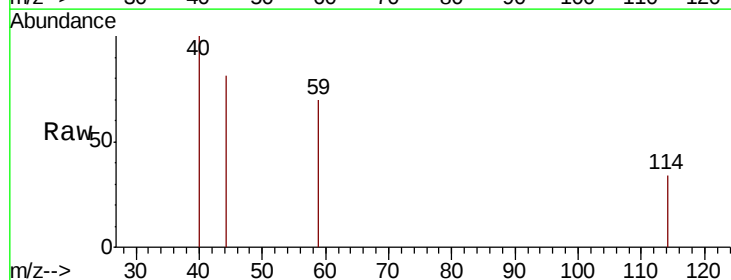
Acq: 26 Nov 2019 14:13

Tgt Ion: 59 Resp: 336

Ion Ratio Lower Upper

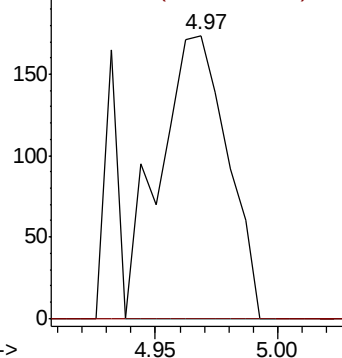
59 100

57 0.0 8.6 12.8#

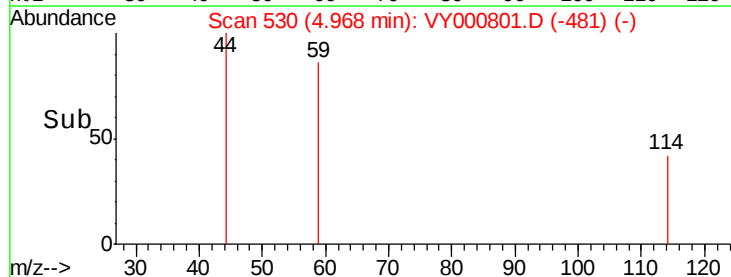


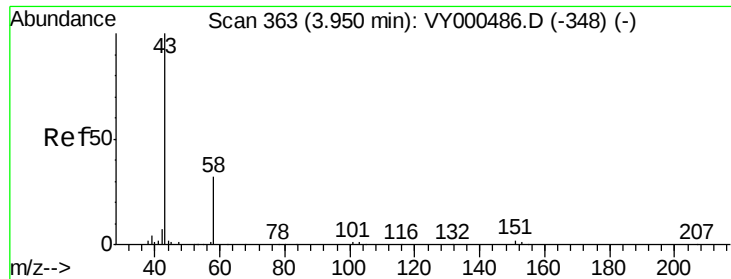
Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



Time-->





#16

Acetone

Concen: 4.651 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000801.D

Acq: 26 Nov 2019 14:13

Instrument :

MSVOA_Y

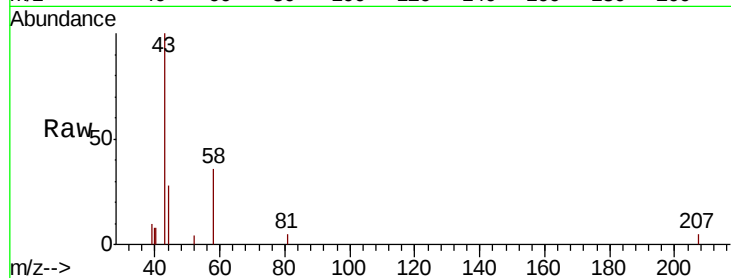
ClientSampleId :

Tot Ion: 43 Resp: 3423

Ion Ratio Lower Upper

43 100

58 36.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

1500

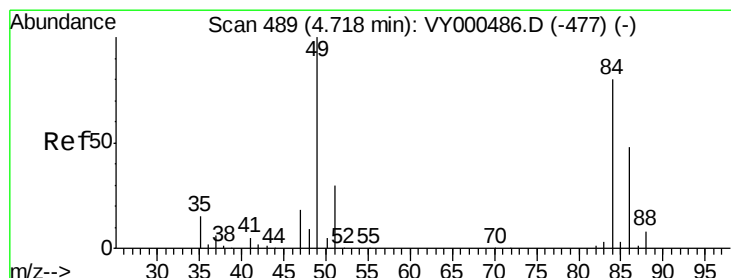
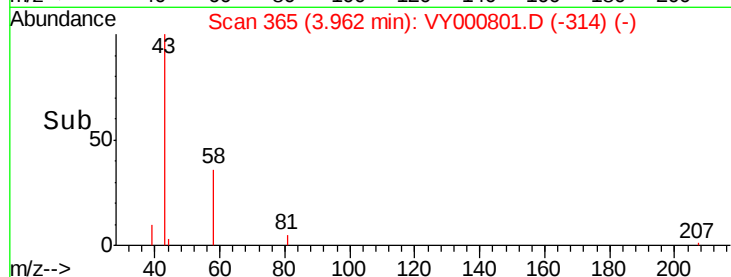
1000

500

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 6.071 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY000801.D

Acq: 26 Nov 2019 14:13

Tgt Ion: 84 Resp: 19145

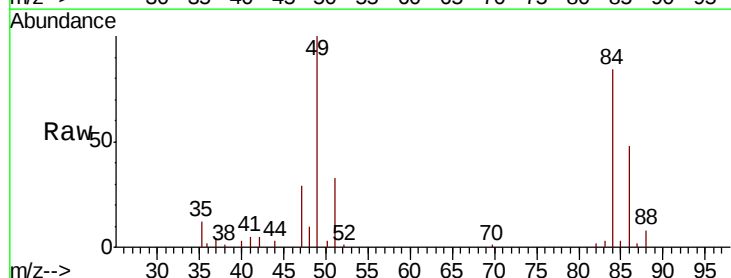
Ion Ratio Lower Upper

84 100

49 119.2 100.2 150.4

51 39.6 29.6 44.4

86 57.7 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

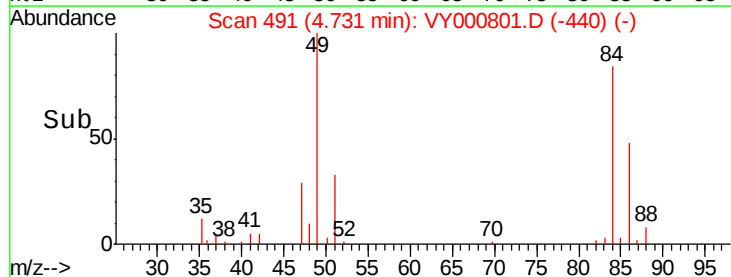
10000

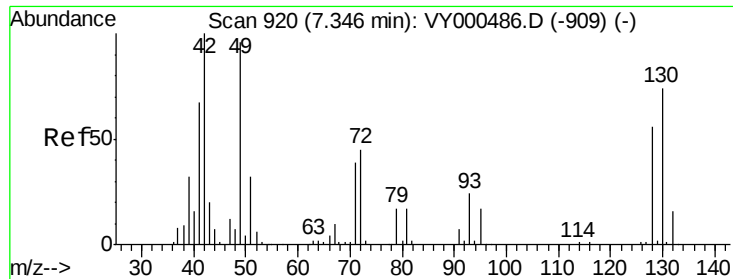
5000

0

4.60 4.70 4.80

Time-->





#28

Bromochloromethane

Concen: 4.138 ug/l

RT: 7.51 min Scan# 947

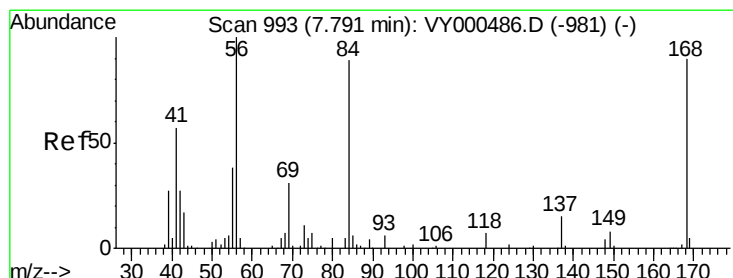
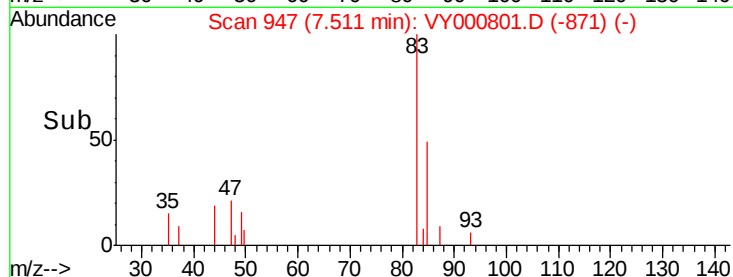
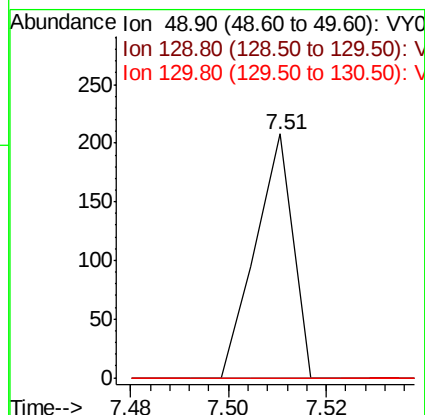
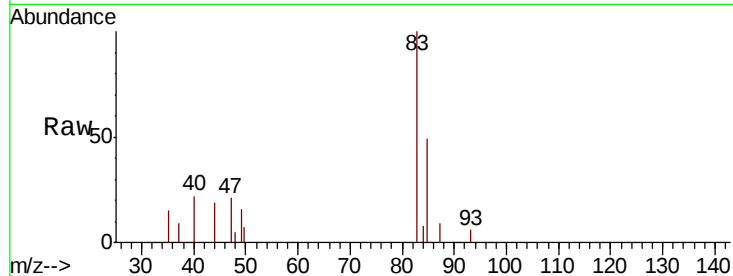
Delta R.T. 0.17 min

Lab File: VY000801.D

Acq: 26 Nov 2019 14:13

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 49 Resp: 111
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#



#31

Cyclohexane

Concen: 1.027 ug/l

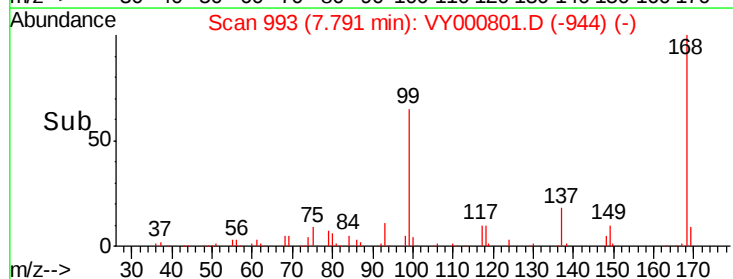
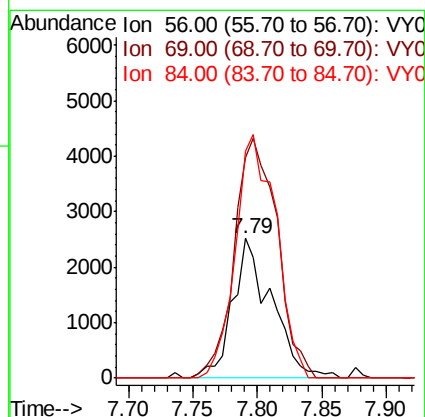
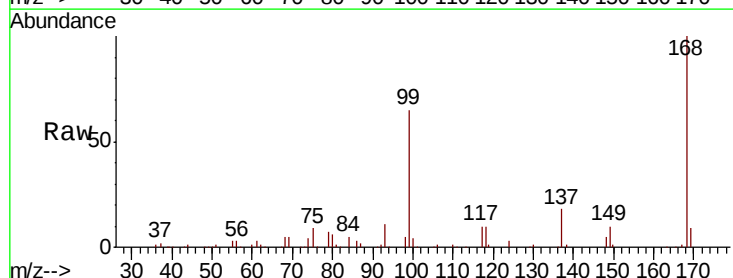
RT: 7.79 min Scan# 993

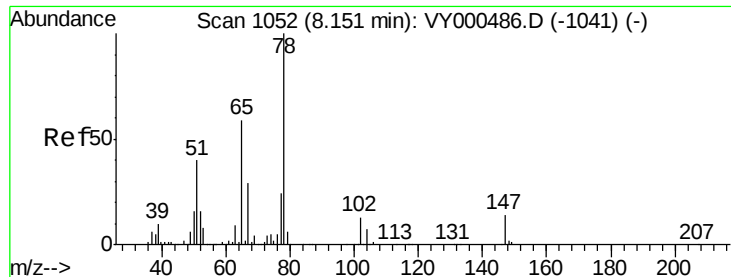
Delta R.T. 0.00 min

Lab File: VY000801.D

Acq: 26 Nov 2019 14:13

Tgt Ion: 56 Resp: 5309
Ion Ratio Lower Upper
56 100
69 157.7 25.0 37.6#
84 161.9 71.4 107.2#

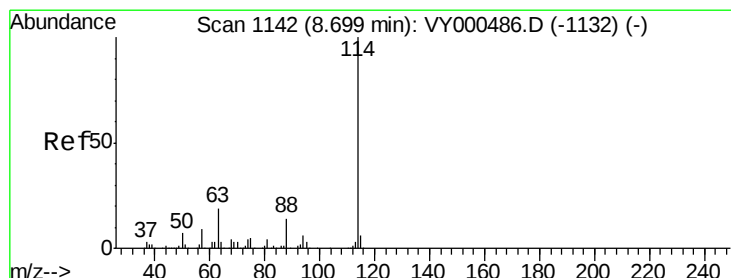
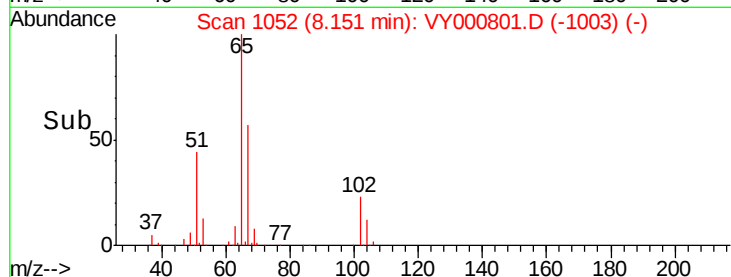
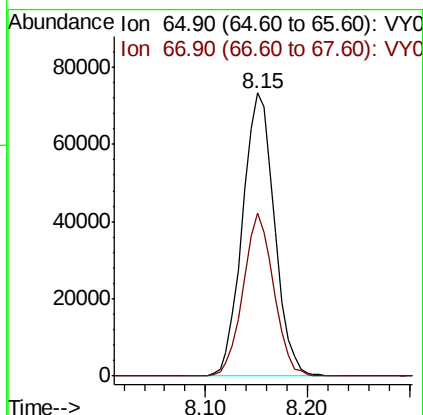
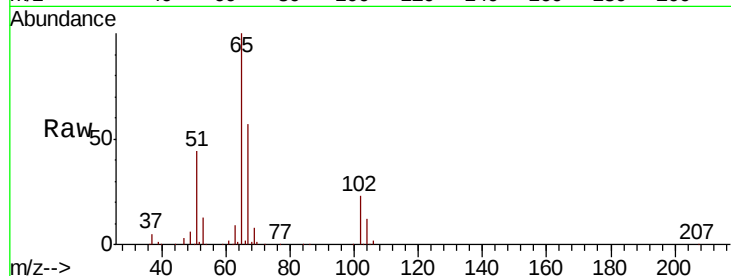




#33
 1,2-Dichloroethane-d4
 Concen: 59.881 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY000801.D
 Acq: 26 Nov 2019 14:13

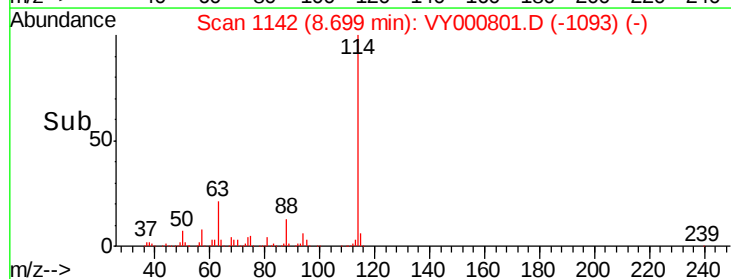
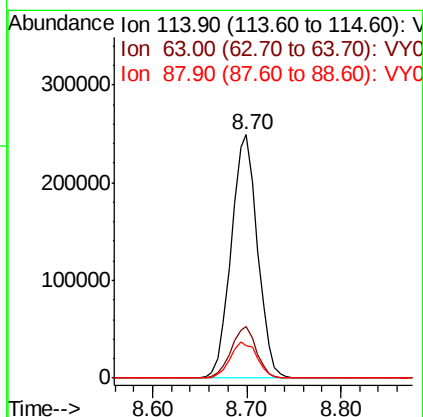
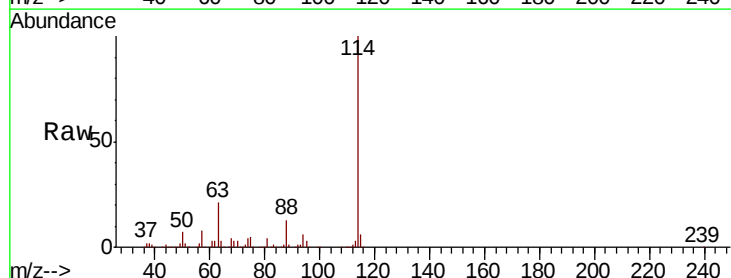
Instrument :
 MSVOA_Y
 ClientSampled :

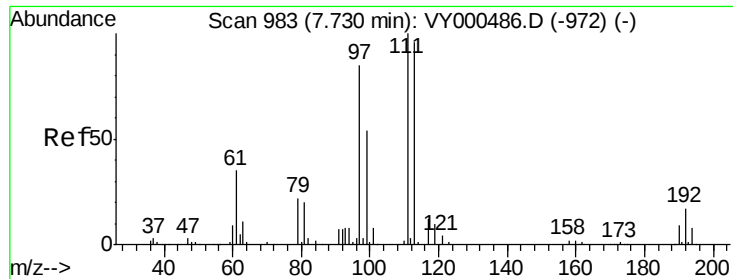
Tot Ion: 65 Resp: 159906
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000801.D
 Acq: 26 Nov 2019 14:13

Tgt Ion: 114 Resp: 480670
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 38.0
 88 13.2 0.0 28.6

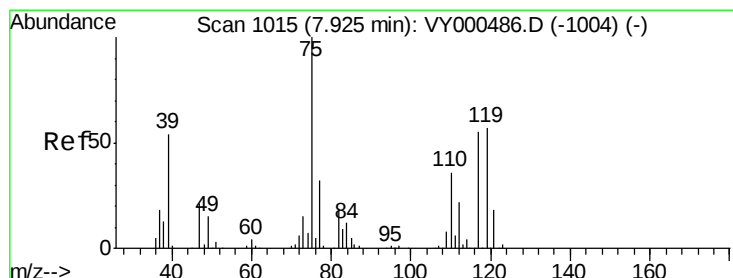
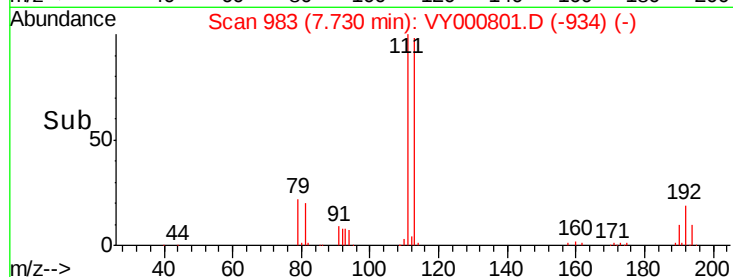
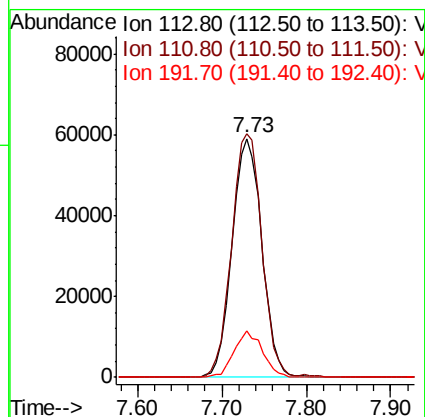
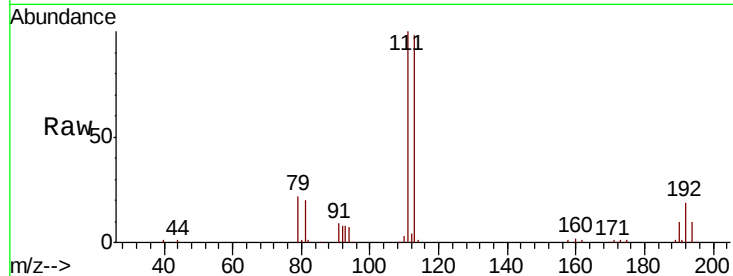




#35
 Dibromofluoromethane
 Concen: 49.919 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000801.D
 Acq: 26 Nov 2019 14:13

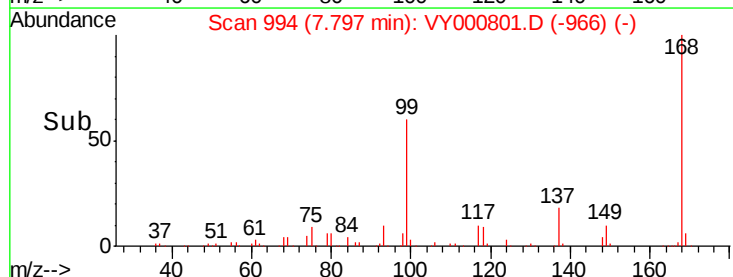
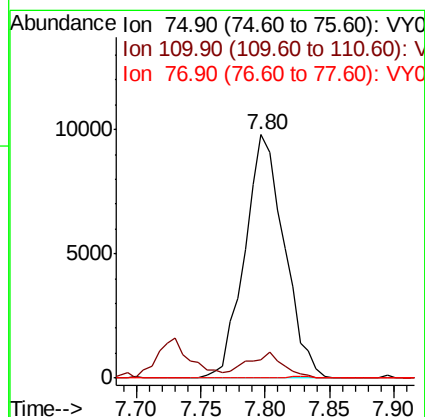
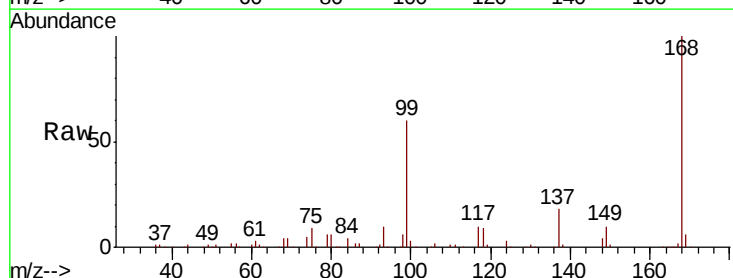
Instrument :
 MSVOA_Y
 ClientSampleId :

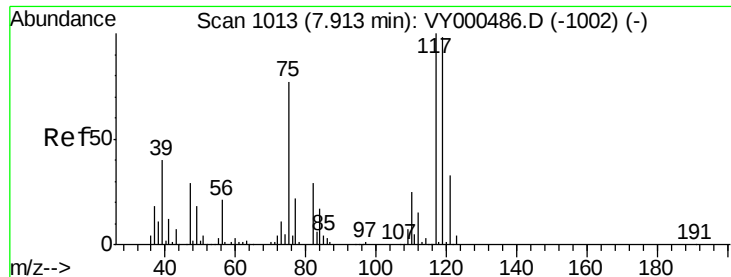
Tot Ion:113 Resp: 140863
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.7 122.5
 192 18.5 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.575 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000801.D
 Acq: 26 Nov 2019 14:13

Tgt Ion: 75 Resp: 20789
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.1 54.1#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.676 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000801.D

Acq: 26 Nov 2019 14:13

Instrument :

MSVOA_Y

ClientSampled :

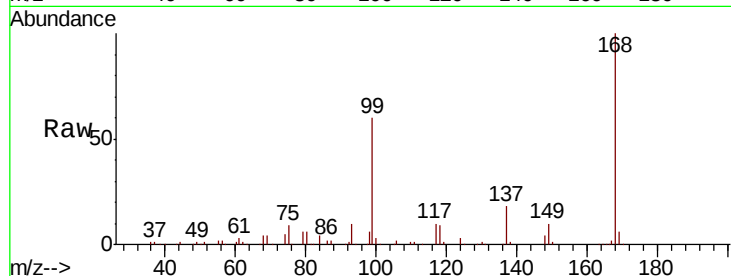
Tot Ion:117 Resp: 24818

Ion Ratio Lower Upper

117 100

119 5.5 78.0 117.0#

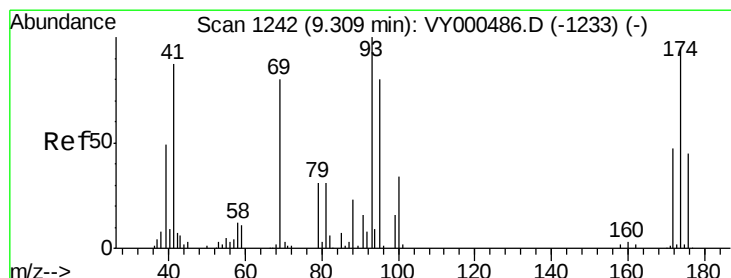
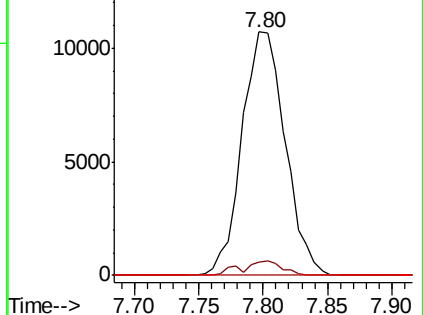
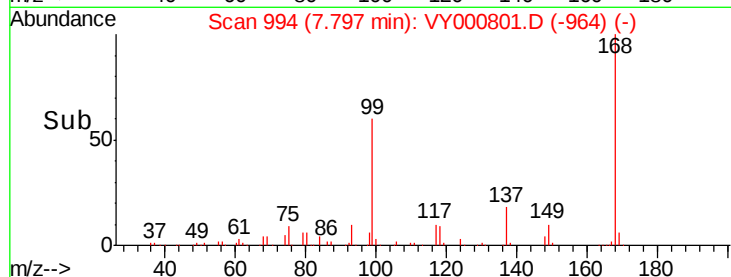
121 0.0 26.6 40.0#



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: 1.113 ug/l

RT: 9.58 min Scan# 1286

Delta R.T. 0.27 min

Lab File: VY000801.D

Acq: 26 Nov 2019 14:13

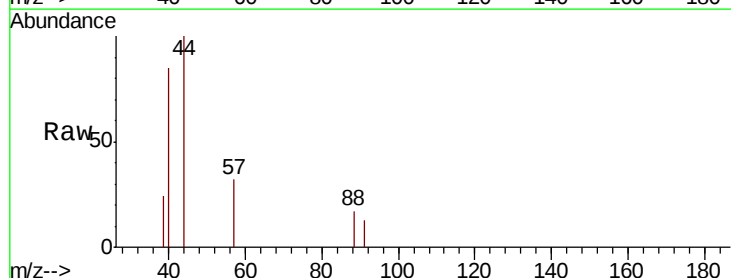
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

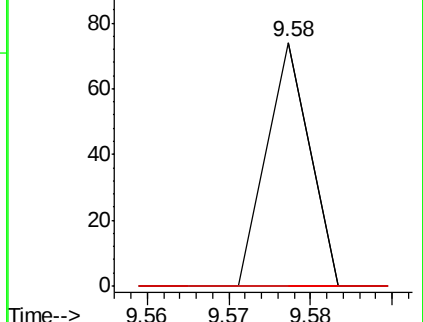
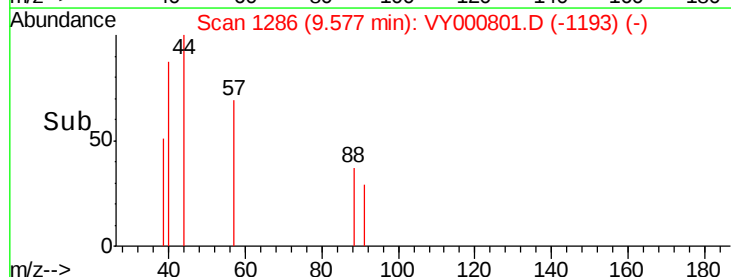
58 0.0 50.6 75.8#

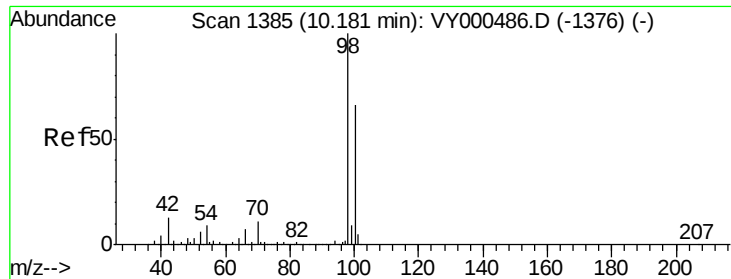


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 53.031 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000801.D

Acq: 26 Nov 2019 14:13

Instrument :

MSVOA_Y

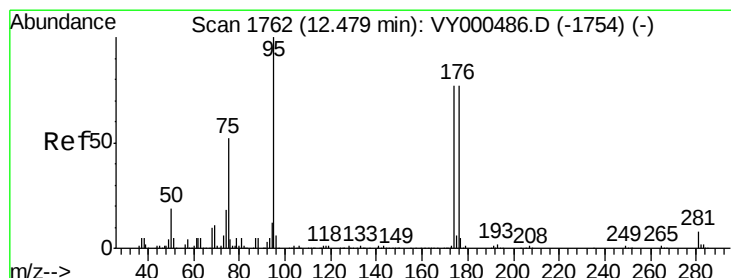
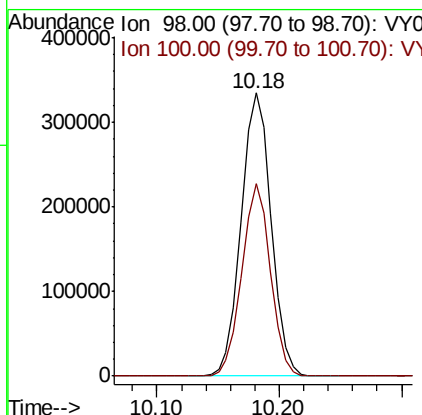
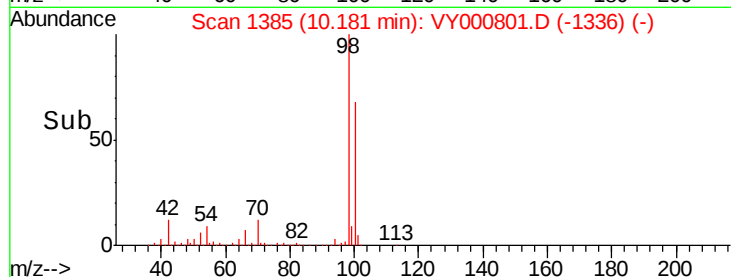
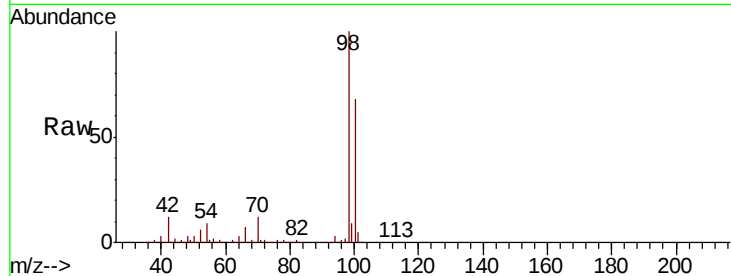
ClientSampleId :

Tot Ion: 98 Resp: 567826

Ion Ratio Lower Upper

98 100

100 65.0 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 43.874 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000801.D

Acq: 26 Nov 2019 14:13

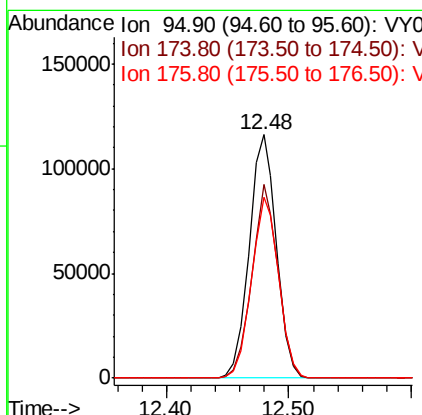
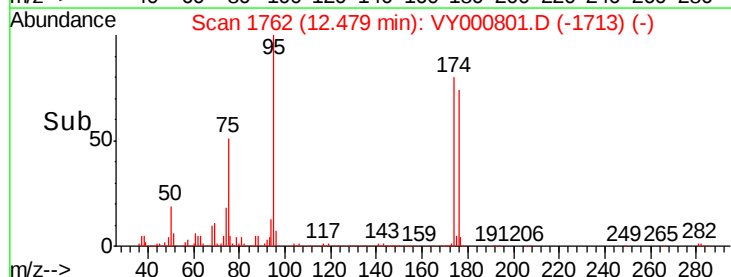
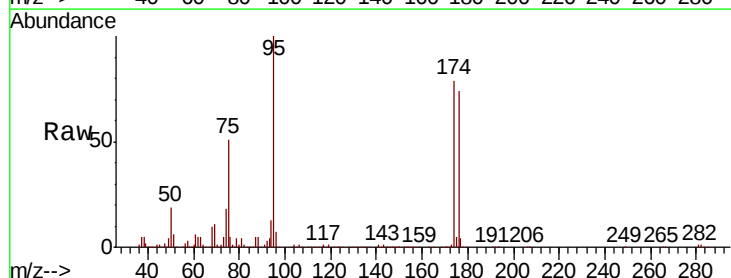
Tgt Ion: 95 Resp: 178842

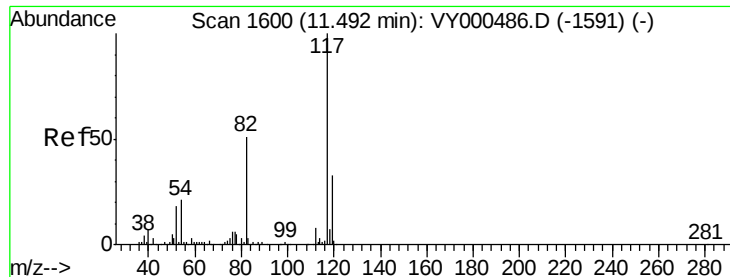
Ion Ratio Lower Upper

95 100

174 76.6 0.0 161.6

176 74.8 0.0 157.8

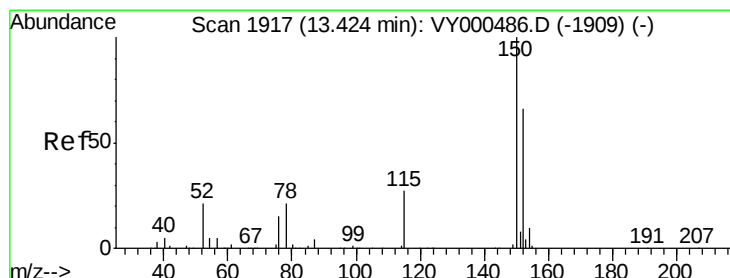
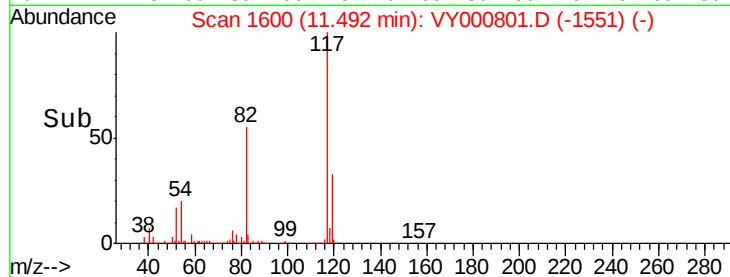
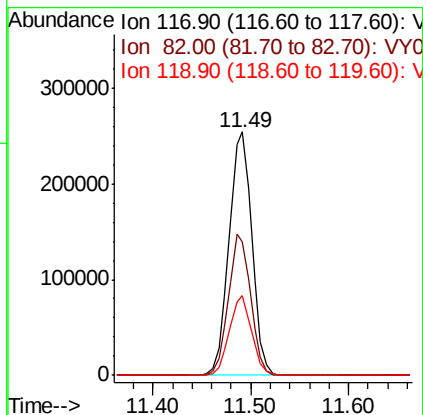
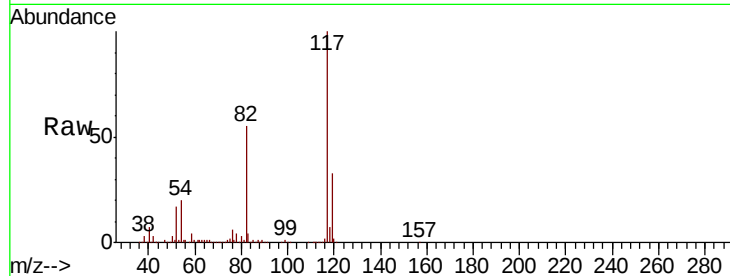




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000801.D
Acq: 26 Nov 2019 14:13

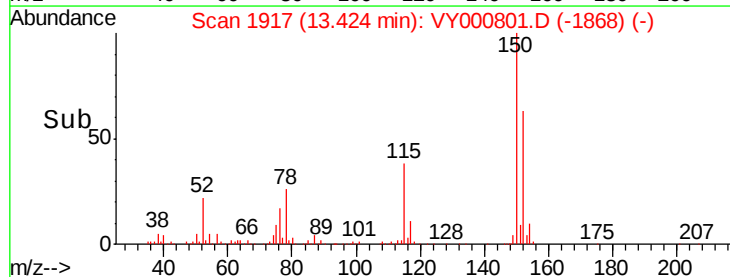
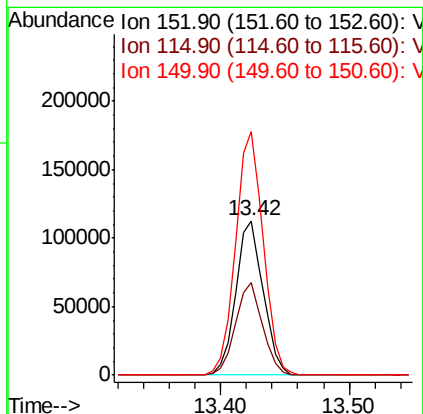
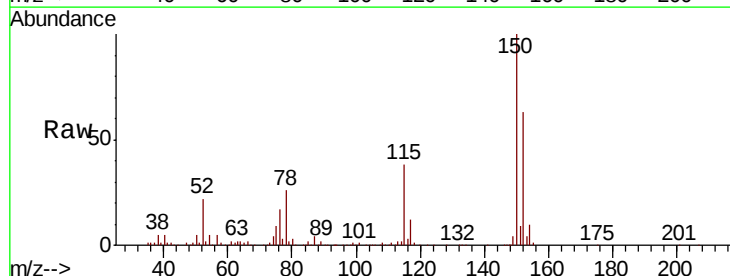
Instrument :
MSVOA_Y
ClientSampleId :

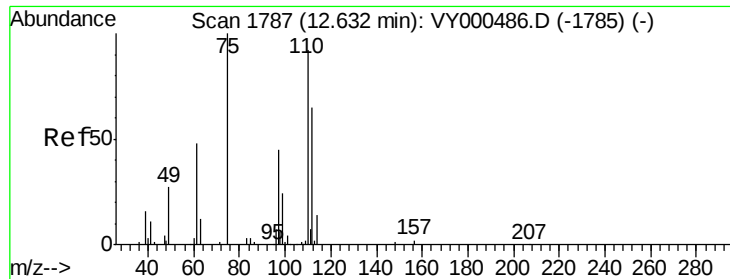
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	40.8	61.2
119	32.8	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000801.D
Acq: 26 Nov 2019 14:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	29.1	87.4
150	159.1	0.0	348.8





#76

1,2,3-Trichloropropane

Concen: 48.956 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000801.D

Acq: 26 Nov 2019 14:13

Instrument :

MSVOA_Y

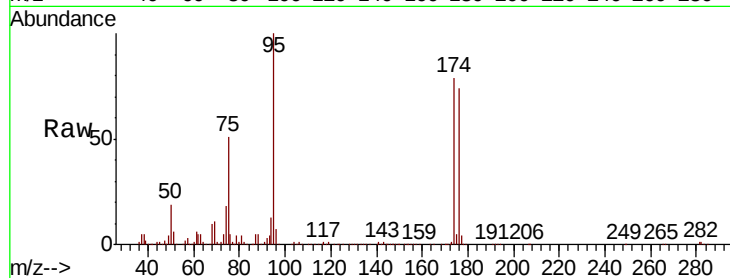
ClientSampleId :

Tot Ion: 75 Resp: 92340

Ion Ratio Lower Upper

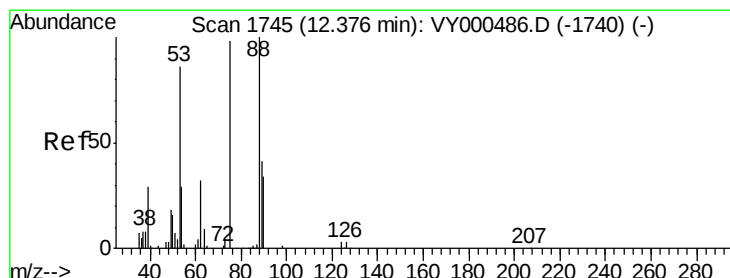
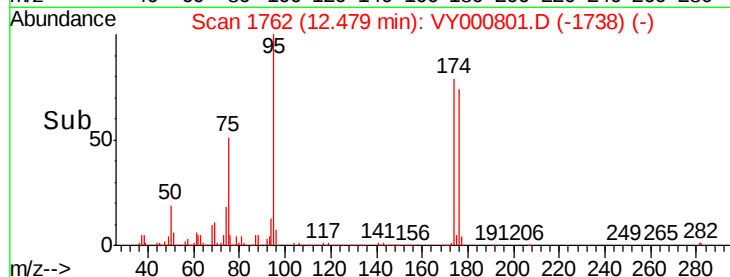
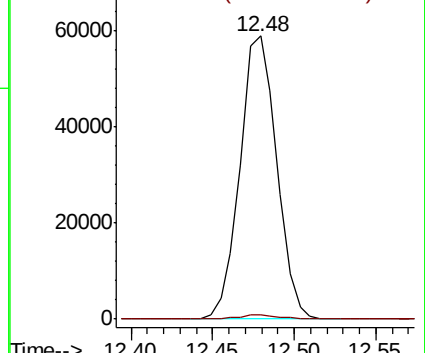
75 100

77 1.4 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: 109.765 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000801.D

Acq: 26 Nov 2019 14:13

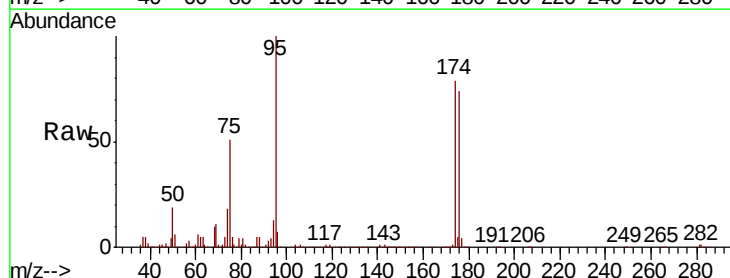
Tgt Ion: 75 Resp: 92340

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

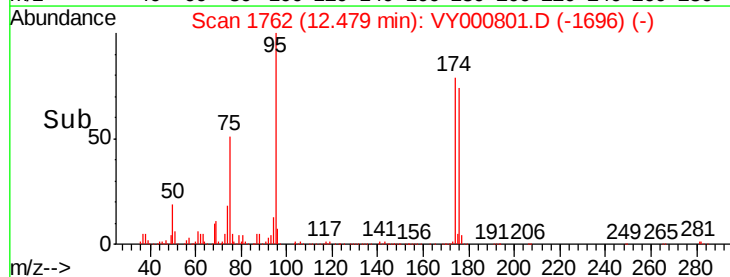
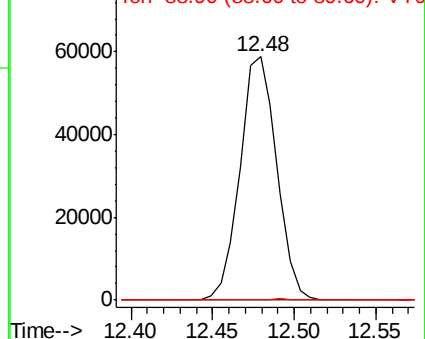
89 0.2 35.9 53.9#

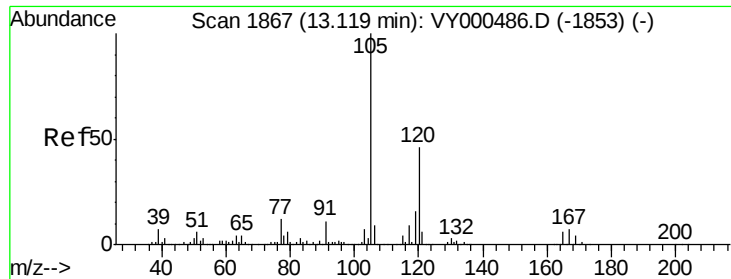


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#84

1,2,4-Trimethylbenzene

Concen: 1.167 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY000801.D

Acq: 26 Nov 2019 14:13

Instrument :

MSVOA_Y

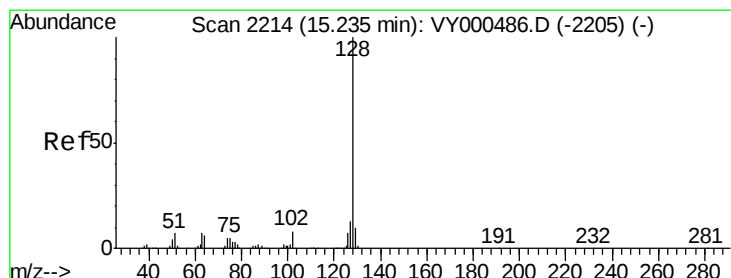
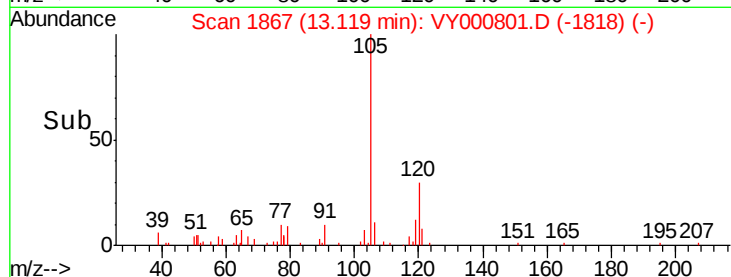
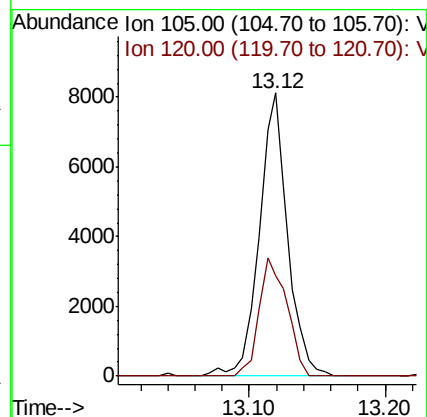
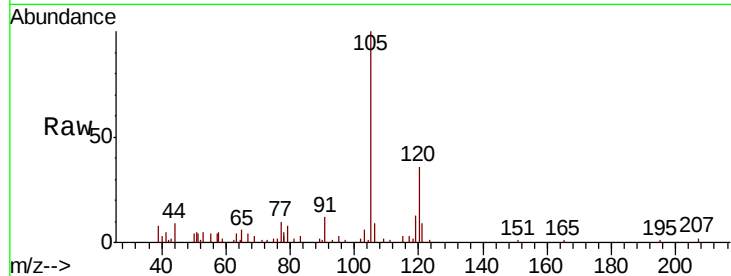
ClientSampleId :

Tot Ion:105 Resp: 11850

Ion Ratio Lower Upper

105 100

120 41.3 23.3 69.9



#95

Naphthalene

Concen: 38.118 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. -0.01 min

Lab File: VY000801.D

Acq: 26 Nov 2019 14:13

Tgt Ion:128 Resp: 284282

Ion Ratio Lower Upper

128 100

127 12.9 9.8 14.6

129 11.2 8.7 13.1

