

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
 Data File : VY000568.D
 Acq On : 07 Nov 2019 10:26
 Operator : SY/MD
 Sample : VY1107SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 03:43:58 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	249401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	452767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	401236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	177336	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	154381	59.82	ug/l	0.00
Spiked Amount			Recovery	=	119.64%	
35) Dibromofluoromethane	7.73	113	133596	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
50) Toluene-d8	10.19	98	529473	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.48	95	183043	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	

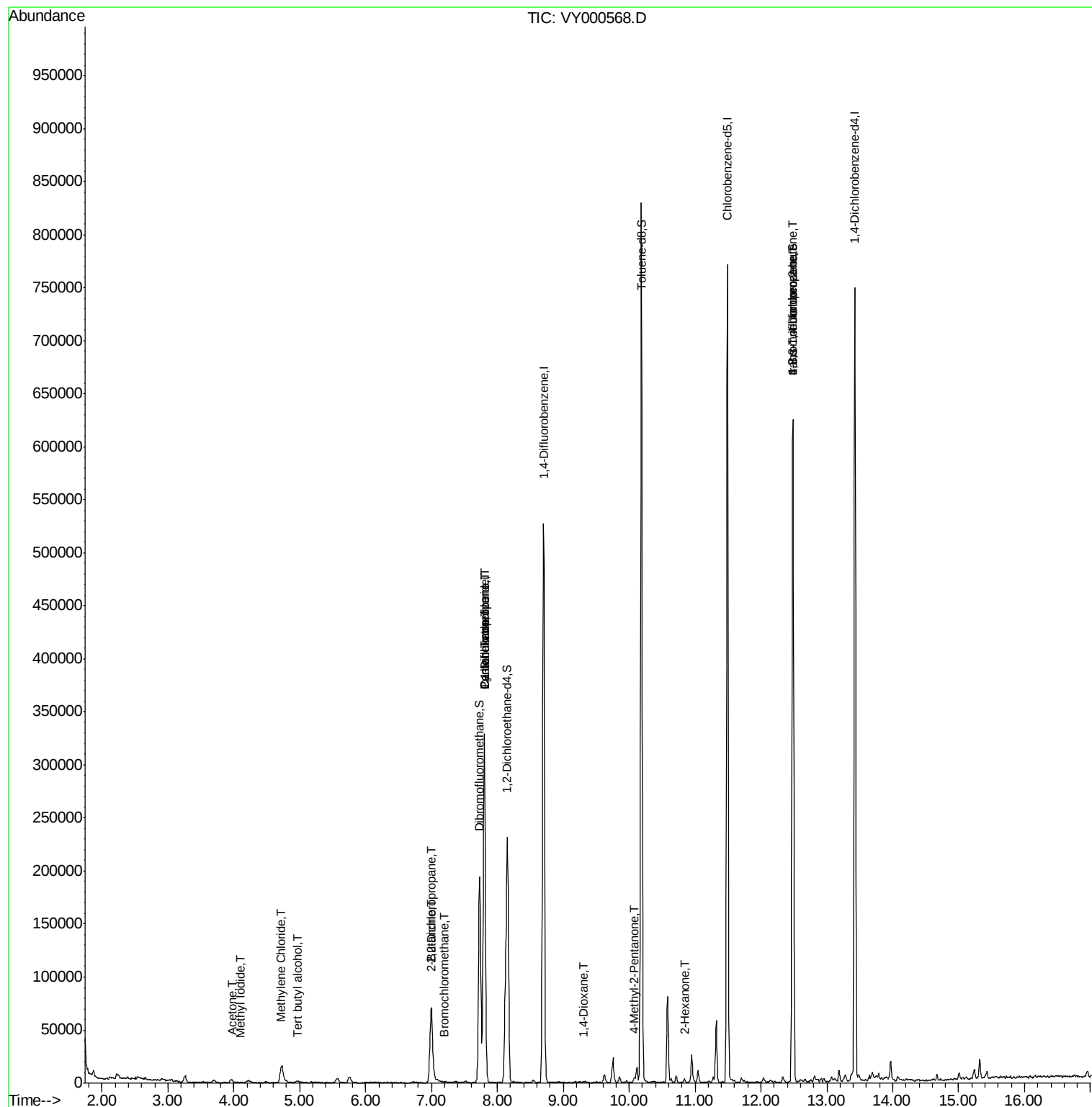
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.11	142	275	3.276	ug/l #	53
11) Tert butyl alcohol	4.97	59	2856	11.368	ug/l #	76
16) Acetone	3.97	43	5033	7.075	ug/l #	62
20) Methylene Chloride	4.72	84	11063	3.630	ug/l #	81
25) 2-Butanone	7.01	43	4896	4.313	ug/l	91
26) 2,2-Dichloropropane	7.00	77	5034	1.155	ug/l #	52
28) Bromochloromethane	7.19	49	49	4.113	ug/l #	14
31) Cyclohexane	7.80	56	5854	1.172	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	20272	4.736	ug/l #	48
38) Carbon Tetrachloride	7.80	117	24451	5.937	ug/l #	15
49) 1,4-Dioxane	9.31	88	33	1.444	ug/l #	1
51) 4-Methyl-2-Pentanone	10.08	43	3771	1.486	ug/l	100
59) 2-Hexanone	10.84	43	2302	1.245	ug/l	100
76) 1,2,3-Trichloropropane	12.48	75	97525	48.299	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	97525	108.292	ug/l #	13

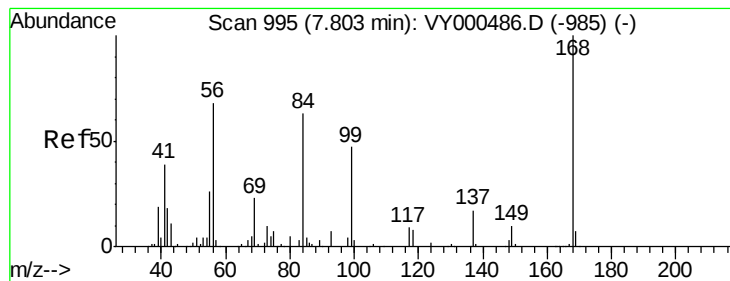
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VY000568.D

Acq: 07 Nov 2019 10:26

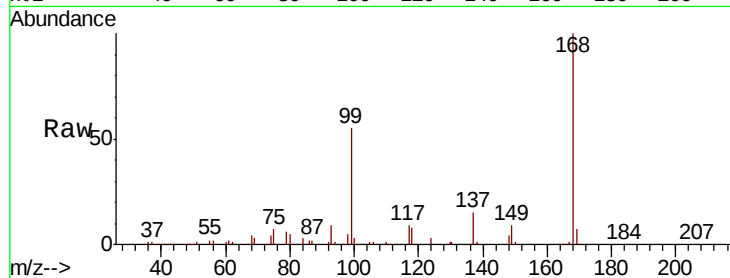
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 249401

Ion Ratio Lower Upper

168 100

99 54.6 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

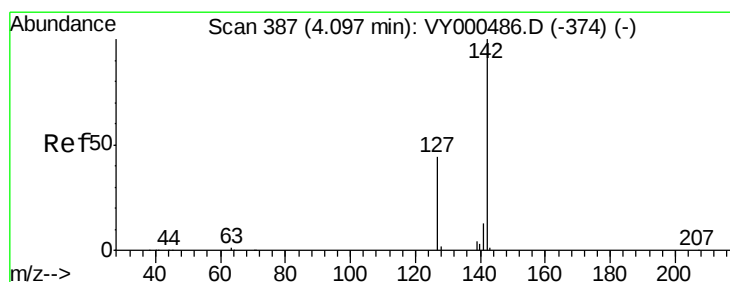
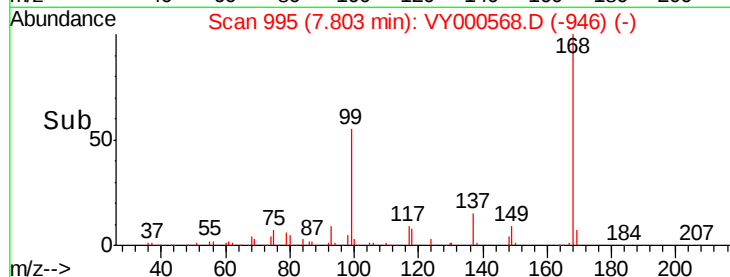
7.80

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 3.276 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000568.D

Acq: 07 Nov 2019 10:26

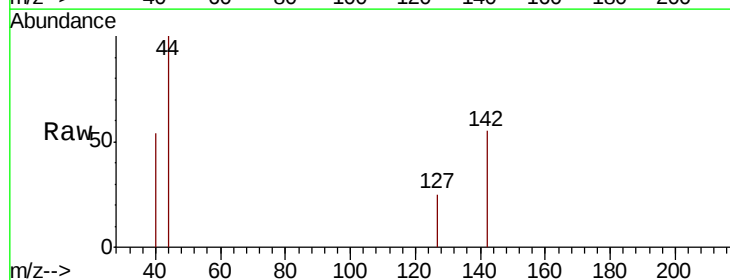
Tgt Ion:142 Resp: 275

Ion Ratio Lower Upper

142 100

127 9.1 33.7 50.5#

141 25.8 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

4.11

200

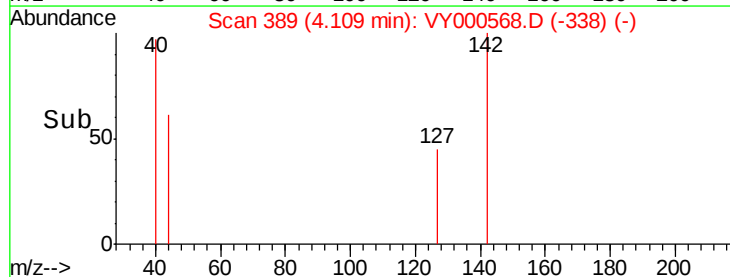
150

100

50

0

Time-->





#11

Tert butyl alcohol

Concen: 11.368 ug/l

RT: 4.97 min Scan# 530

Delta R.T. 0.00 min

Lab File: VY000568.D

Acq: 07 Nov 2019 10:26

Instrument :

MSVOA_Y

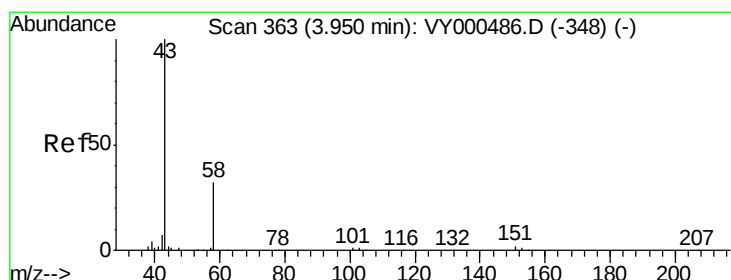
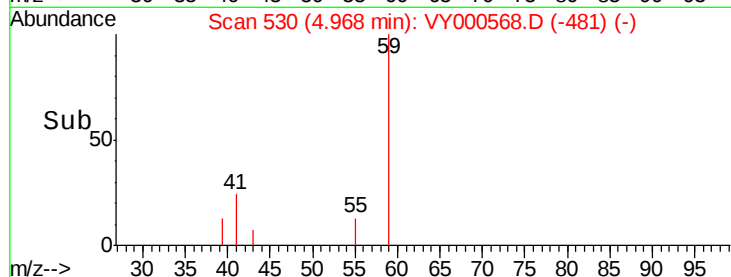
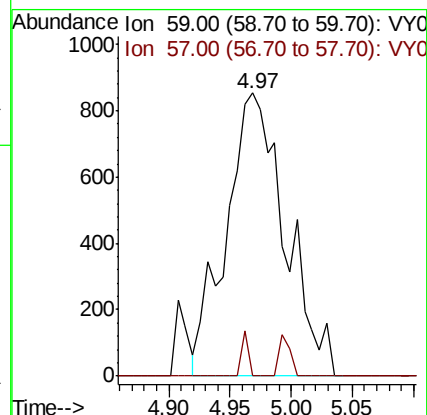
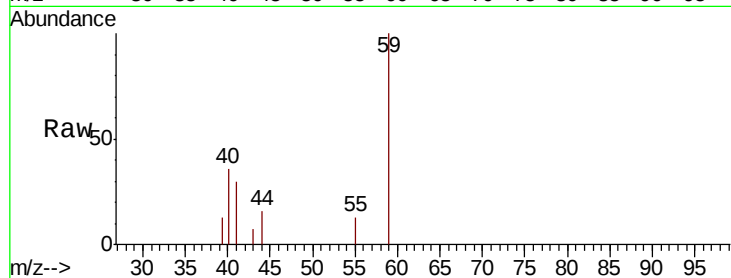
ClientSampleId :

Tot Ion: 59 Resp: 2856

Ion Ratio Lower Upper

59 100

57 1.8 8.6 12.8#



#16

Acetone

Concen: 7.075 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY000568.D

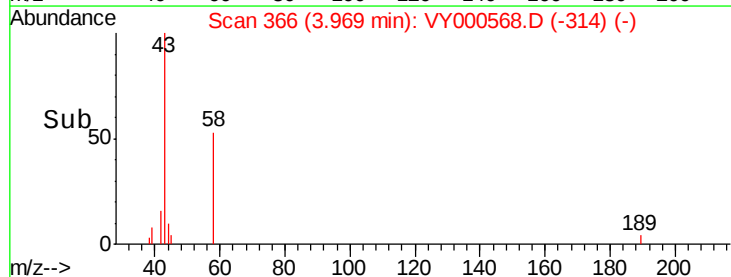
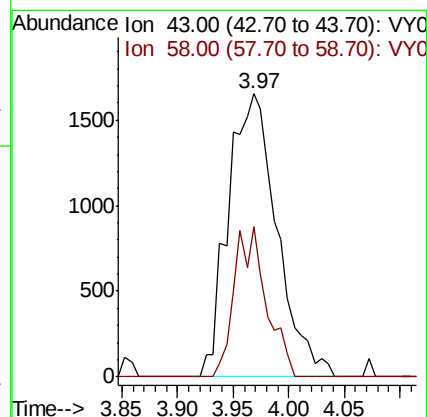
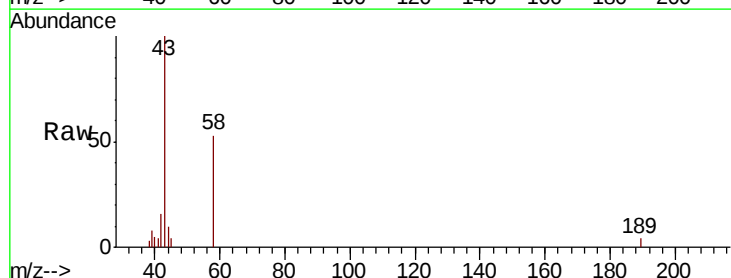
Acq: 07 Nov 2019 10:26

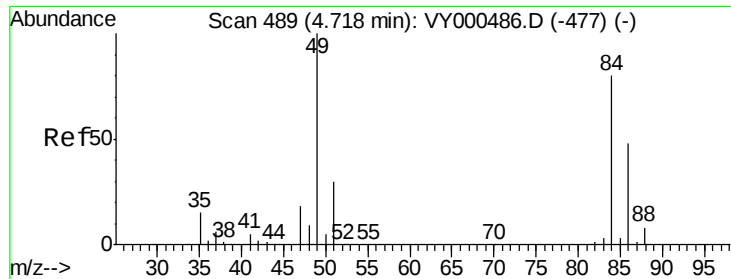
Tgt Ion: 43 Resp: 5033

Ion Ratio Lower Upper

43 100

58 53.3 25.8 38.6#

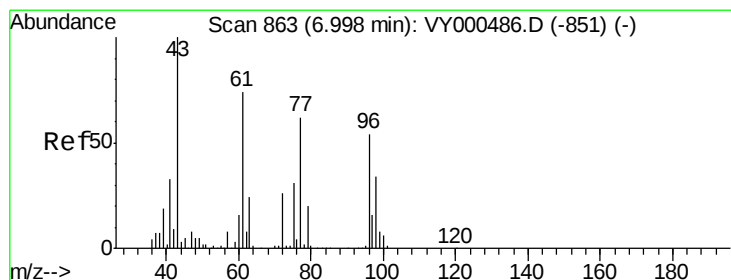
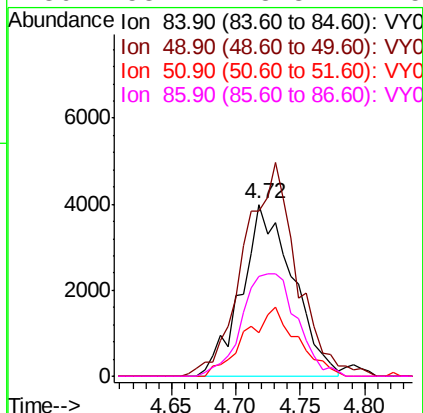
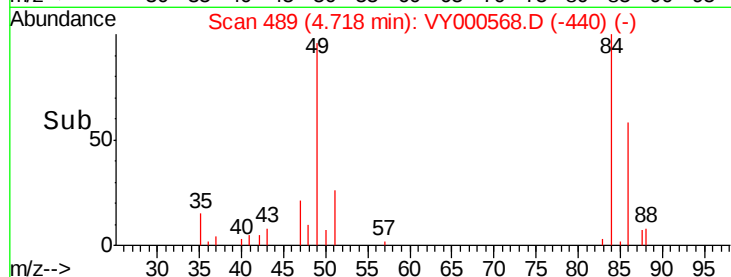
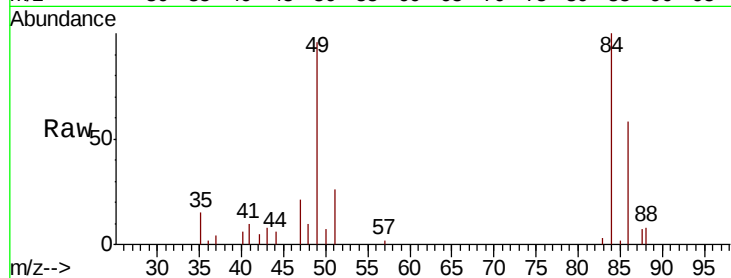




#20
Methvlene Chloride
Concen: 3.630 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY000568.D
Acq: 07 Nov 2019 10:26

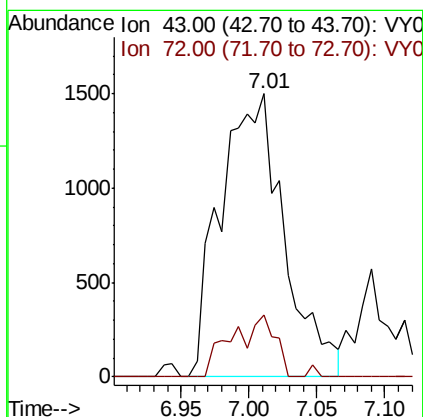
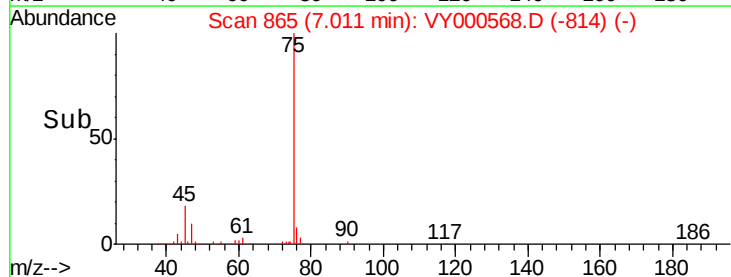
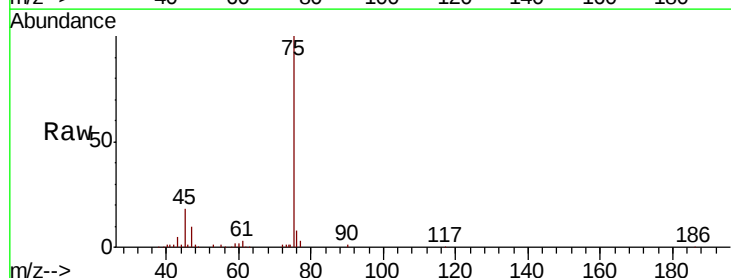
Instrument :
MSVOA_Y
ClientSampleId :

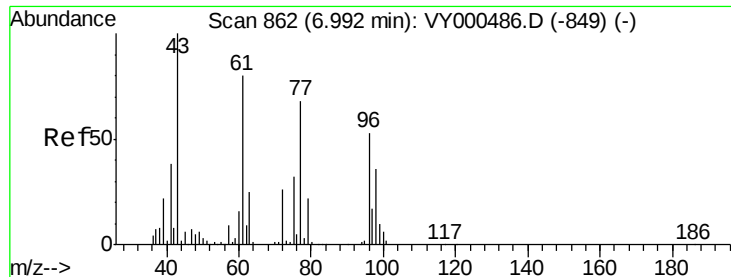
Tot Ion: 84 Resp: 11063
Ion Ratio Lower Upper
84 100
49 94.5 100.2 150.4#
51 25.6 29.6 44.4#
86 58.1 48.3 72.5



#25
2-Butanone
Concen: 4.313 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY000568.D
Acq: 07 Nov 2019 10:26

Tgt Ion: 43 Resp: 4896
Ion Ratio Lower Upper
43 100
72 21.7 20.9 31.3

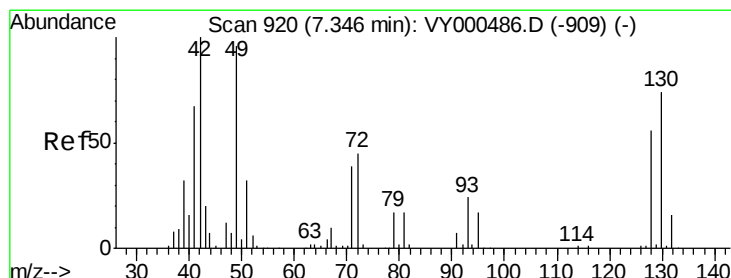
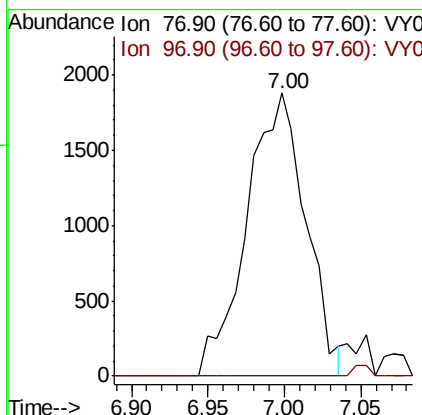
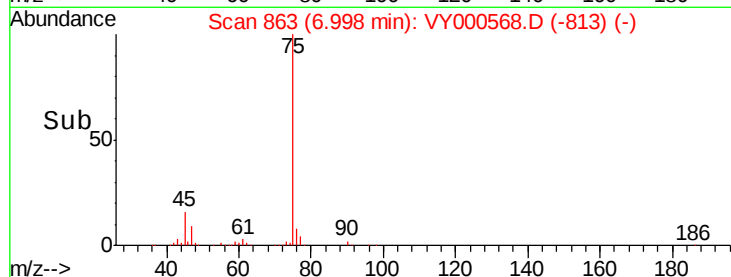
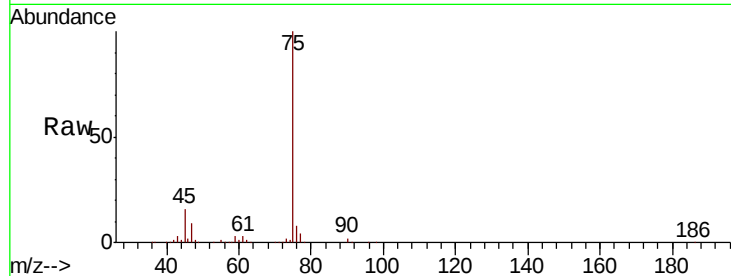




#26
 2,2-Dichloropropane
 Concen: 1.155 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VY000568.D
 Acq: 07 Nov 2019 10:26

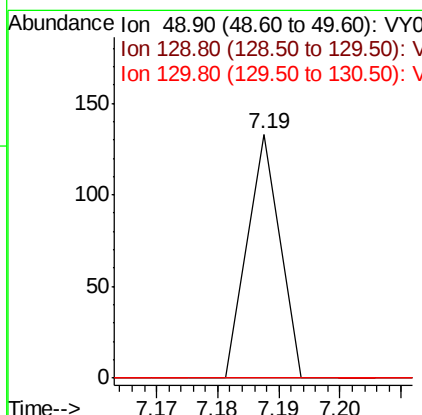
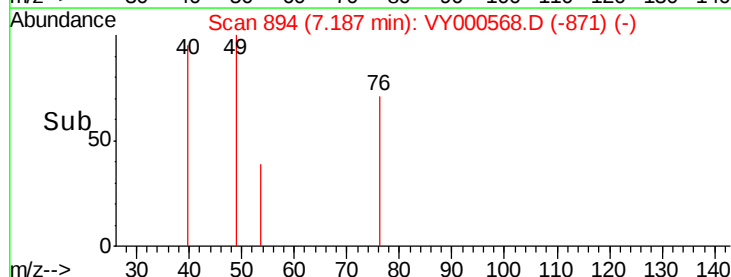
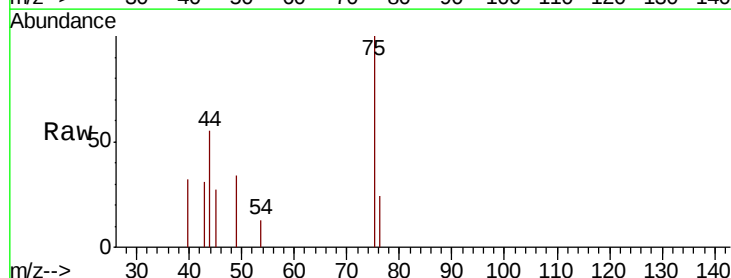
Instrument :
 MSVOA_Y
 ClientSampleId :

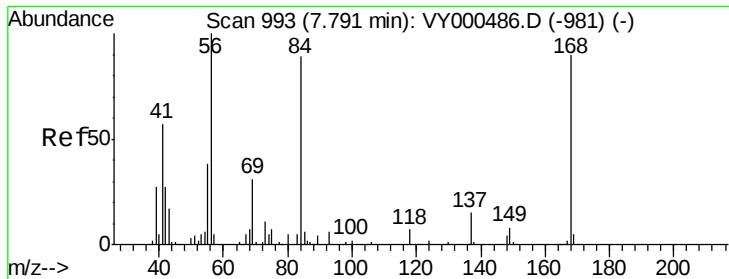
Tot Ion: 77 Resp: 5034
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.8 35.4#



#28
 Bromochloromethane
 Concen: 4.113 ug/l
 RT: 7.19 min Scan# 894
 Delta R.T. -0.16 min
 Lab File: VY000568.D
 Acq: 07 Nov 2019 10:26

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





#31

Cyclohexane

Concen: 1.172 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000568.D

Acq: 07 Nov 2019 10:26

Instrument :
MSVOA_Y
ClientSampled :

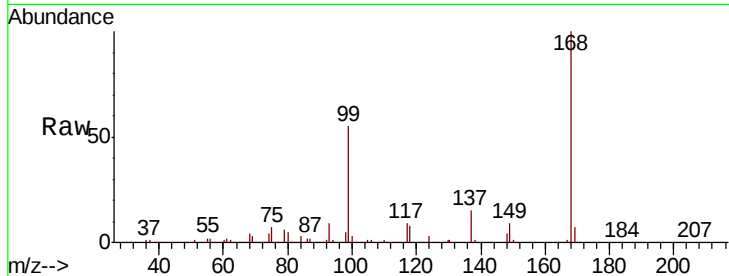
Tot Ion: 56 Resp: 5854

Ion Ratio Lower Upper

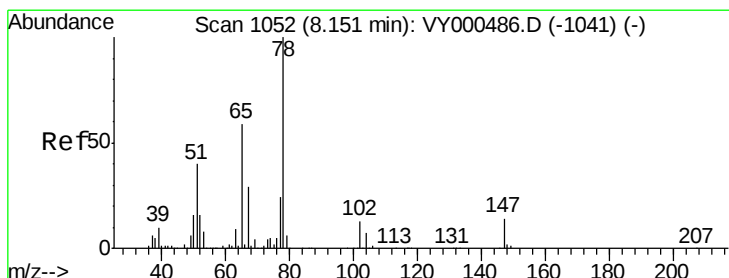
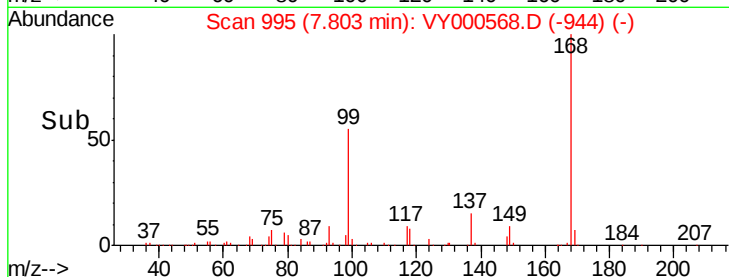
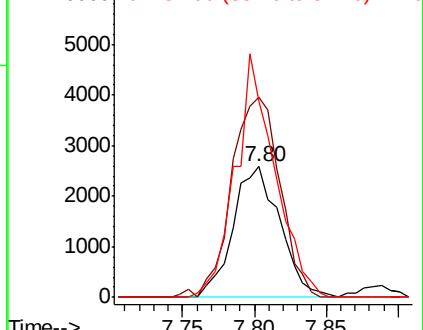
56 100

69 153.3 25.0 37.6#

84 150.7 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: 59.815 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000568.D

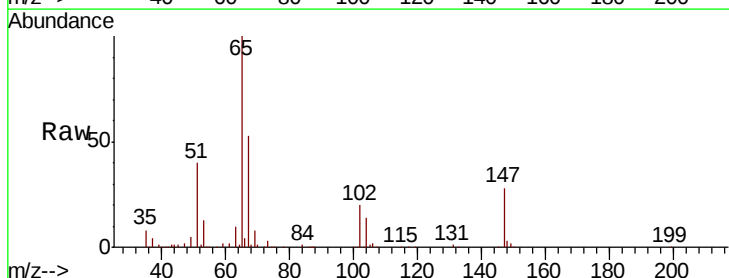
Acq: 07 Nov 2019 10:26

Tgt Ion: 65 Resp: 154381

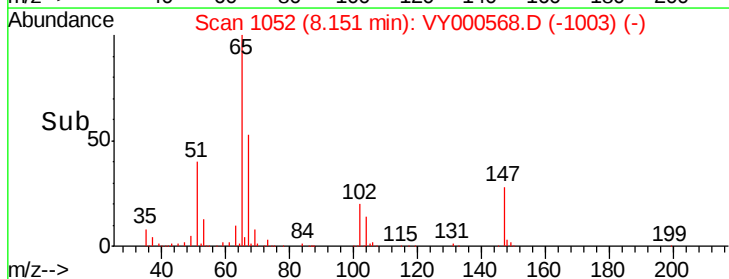
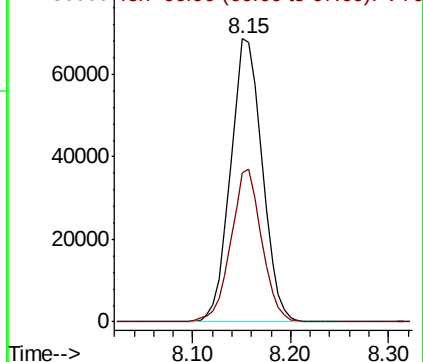
Ion Ratio Lower Upper

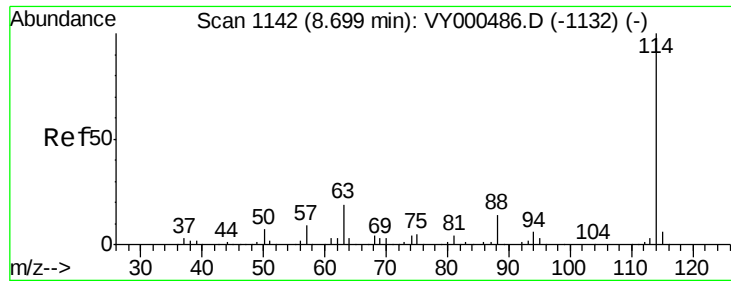
65 100

67 52.7 0.0 107.2



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

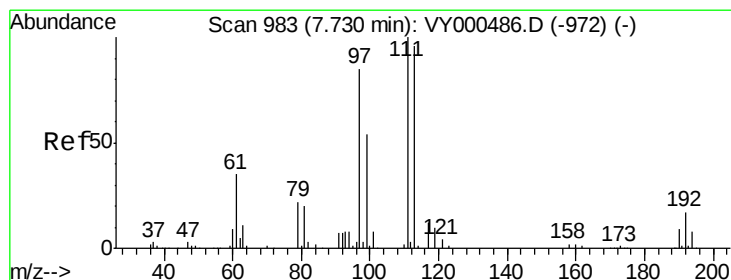
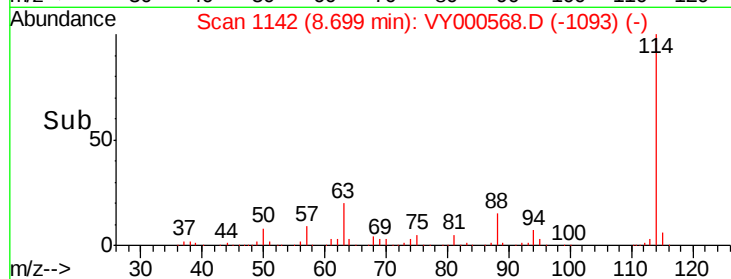
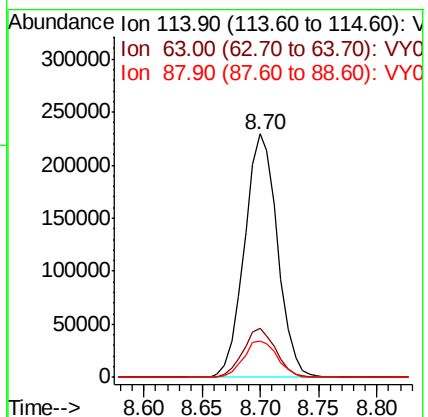
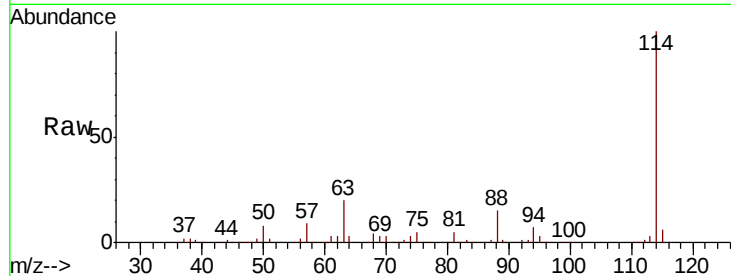




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VY000568.D
Acq: 07 Nov 2019 10:26

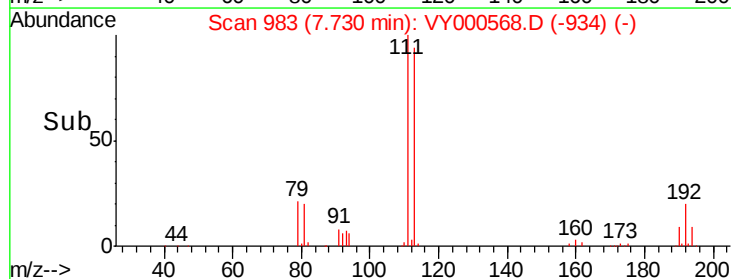
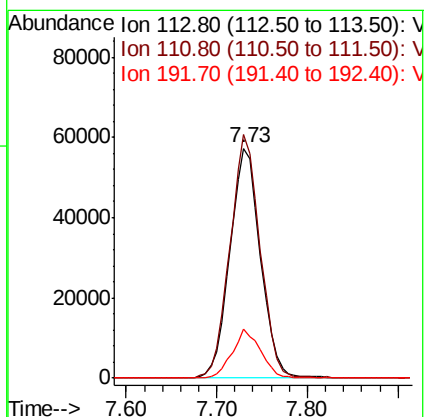
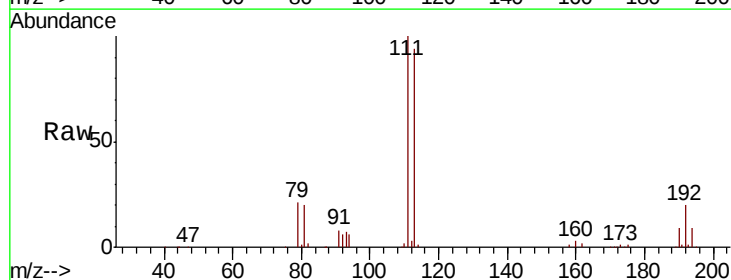
Instrument :
MSVOA_Y
ClientSampleId :

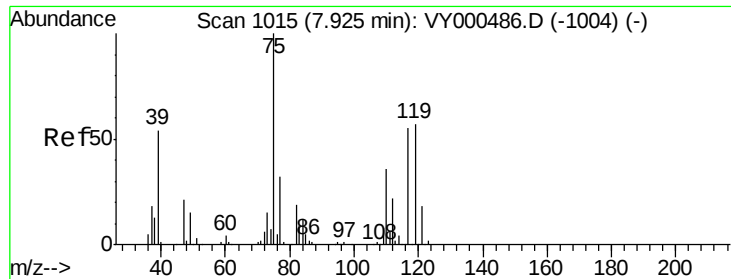
Tot Ion:114 Resp: 452767
Ion Ratio Lower Upper
114 100
63 20.3 0.0 38.0
88 15.0 0.0 28.6



#35
Dibromofluoromethane
Concen: 50.261 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.00 min
Lab File: VY000568.D
Acq: 07 Nov 2019 10:26

Tgt Ion:113 Resp: 133596
Ion Ratio Lower Upper
113 100
111 104.1 81.7 122.5
192 19.6 15.0 22.4

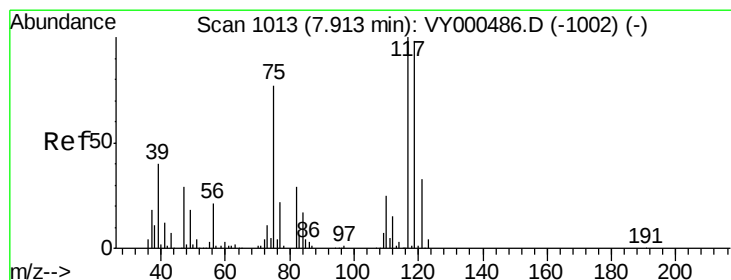
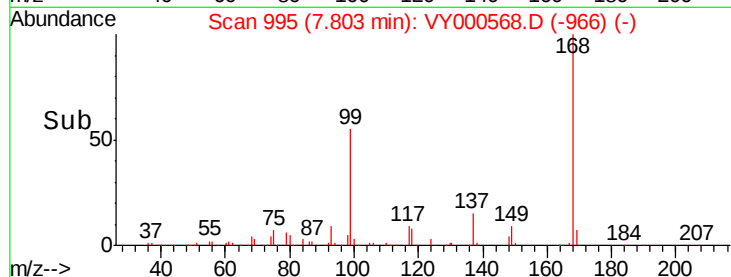
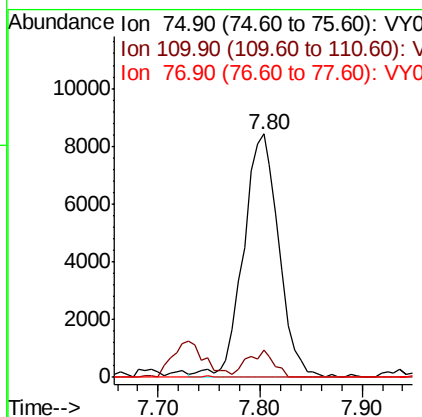
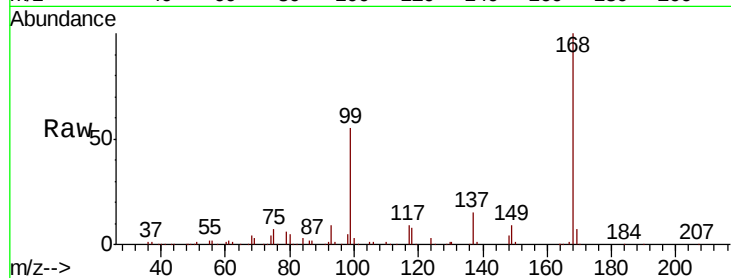




#36
 1,1-Dichloropropene
 Concen: 4.736 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000568.D
 Acq: 07 Nov 2019 10:26

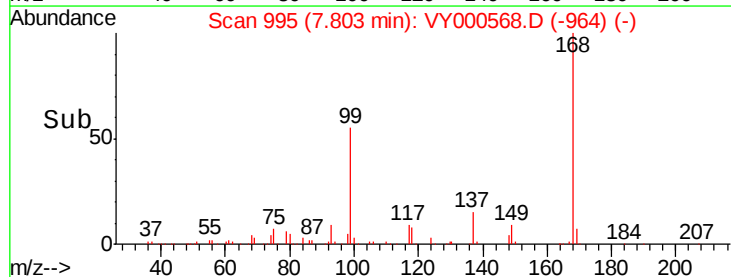
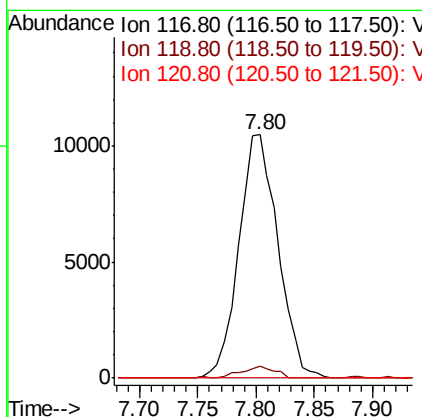
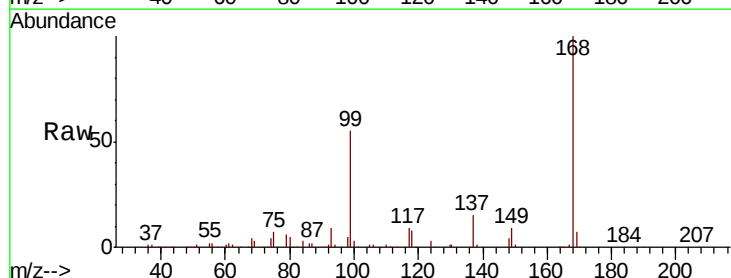
Instrument :
 MSVOA_Y
 ClientSampled :

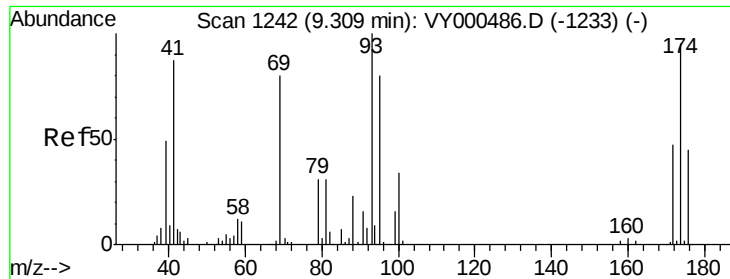
Tot Ion: 75 Resp: 20272
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.1 54.1#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.937 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000568.D
 Acq: 07 Nov 2019 10:26

Tgt Ion: 117 Resp: 24451
 Ion Ratio Lower Upper
 117 100
 119 4.6 78.0 117.0#
 121 0.0 26.6 40.0#





#49

1,4-Dioxane

Concen: 1.444 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY000568.D

Acq: 07 Nov 2019 10:26

Instrument :
MSVOA_Y
ClientSampleId :

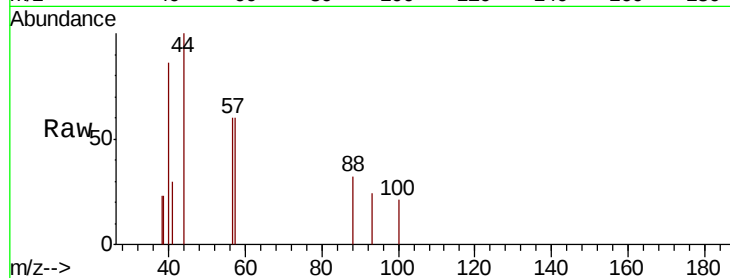
Tot Ion: 88 Resp: 33

Ion Ratio Lower Upper

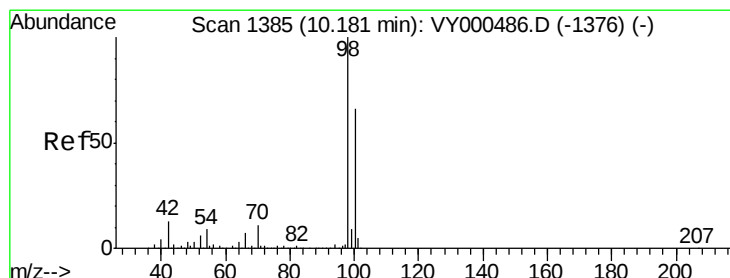
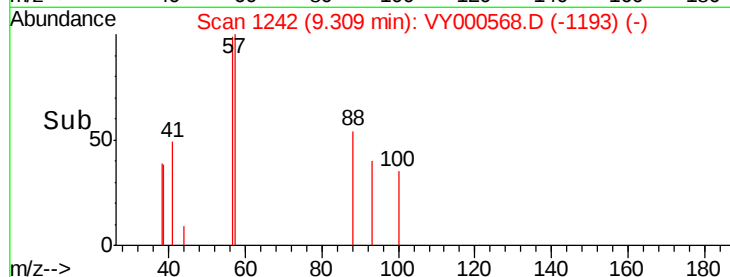
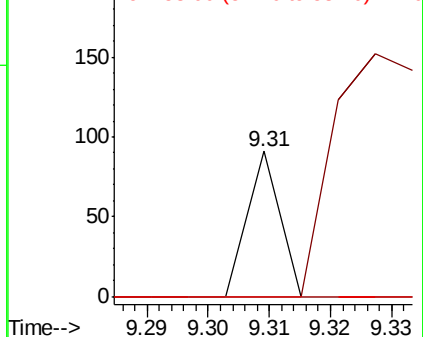
88 100

43 460.6 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: 52.497 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VY000568.D

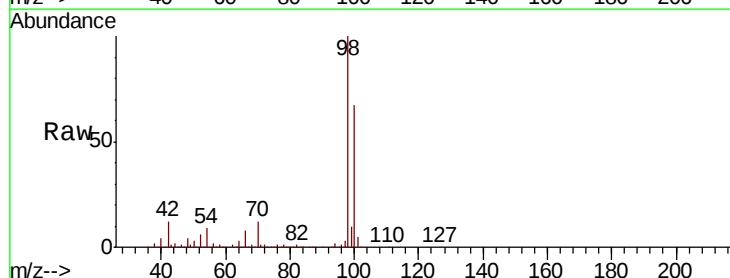
Acq: 07 Nov 2019 10:26

Tgt Ion: 98 Resp: 529473

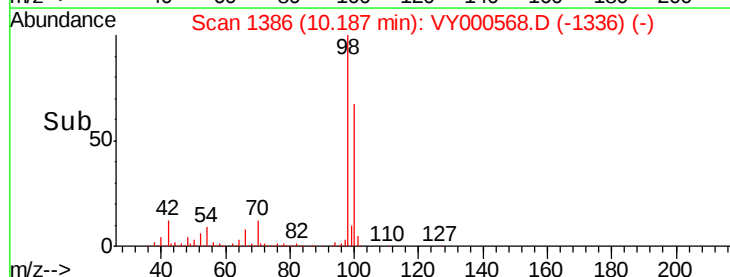
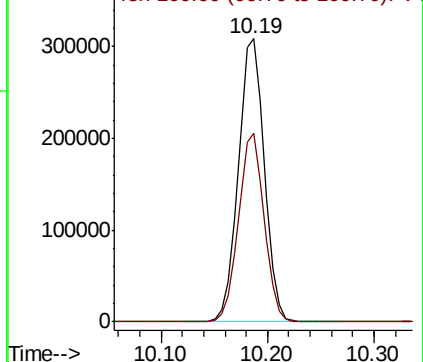
Ion Ratio Lower Upper

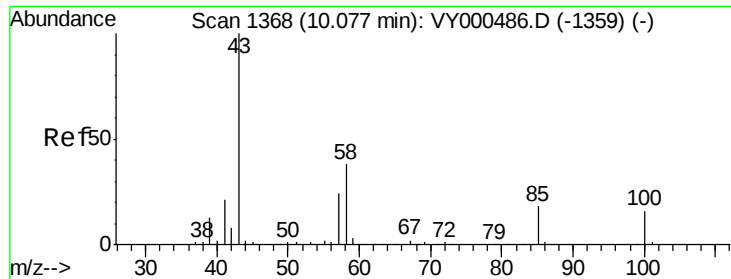
98 100

100 65.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

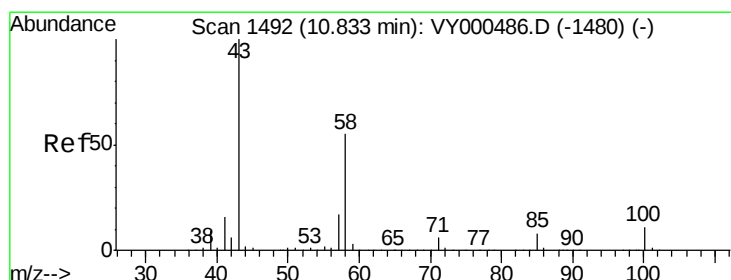
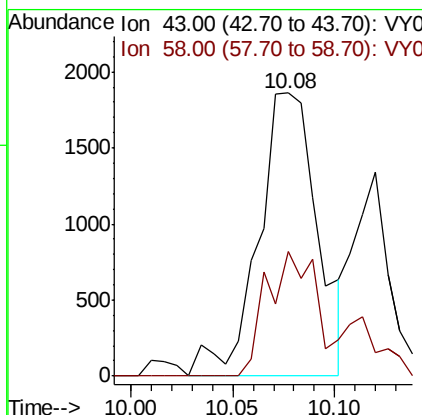
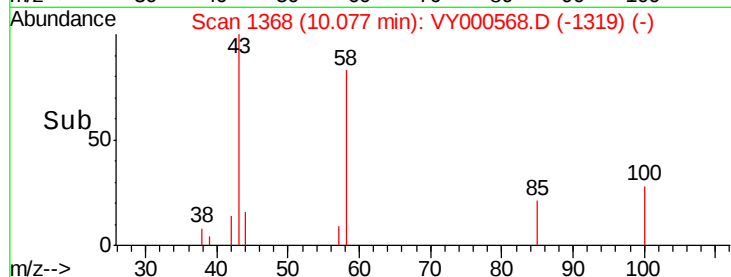
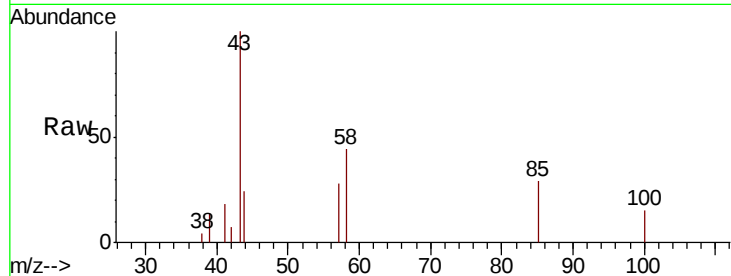




#51
4-Methyl-2-Pentanone
Concen: 1.486 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VY000568.D
Acq: 07 Nov 2019 10:26

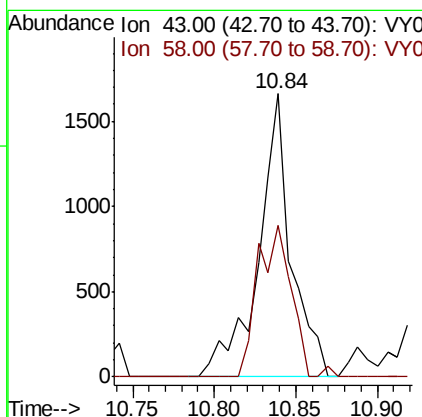
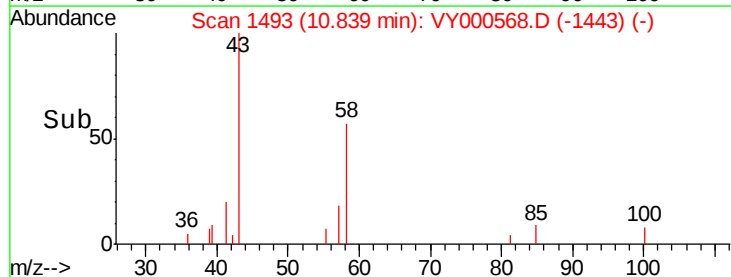
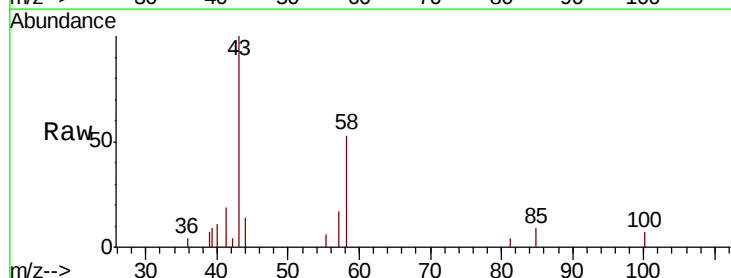
Instrument :
MSVOA_Y
ClientSampleId :

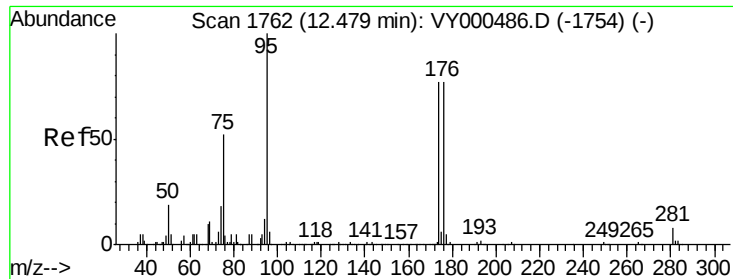
Tot Ion: 43 Resp: 3771
Ion Ratio Lower Upper
43 100
58 38.1 30.2 45.4



#59
2-Hexanone
Concen: 1.245 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VY000568.D
Acq: 07 Nov 2019 10:26

Tgt Ion: 43 Resp: 2302
Ion Ratio Lower Upper
43 100
58 54.5 27.1 81.3

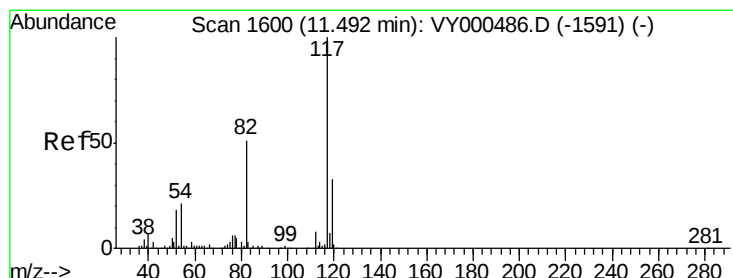
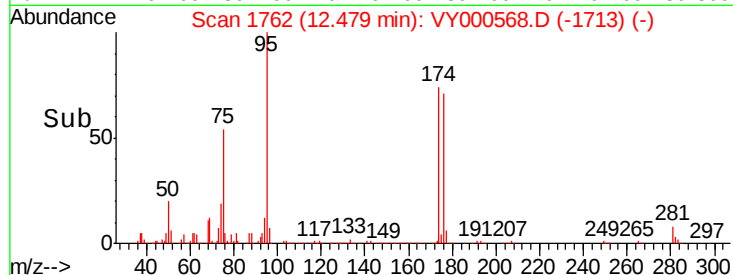
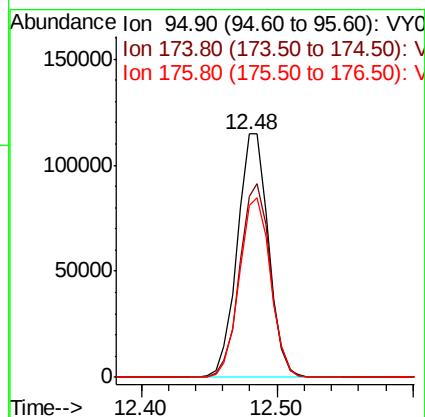
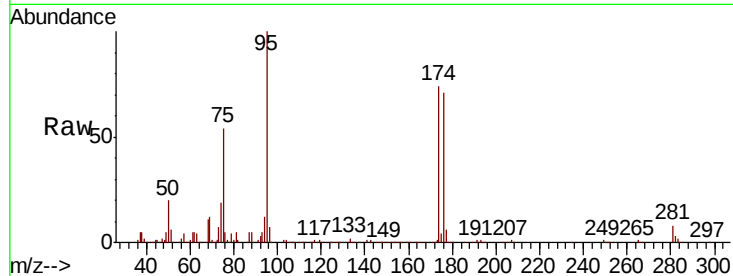




#62
4-Bromofluorobenzene
Concen: 47.672 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000568.D
Acq: 07 Nov 2019 10:26

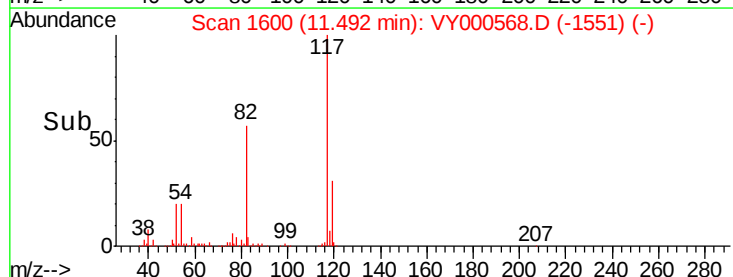
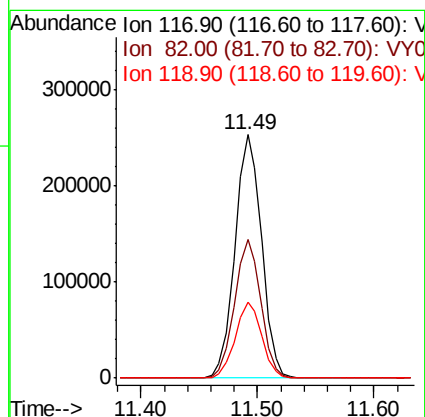
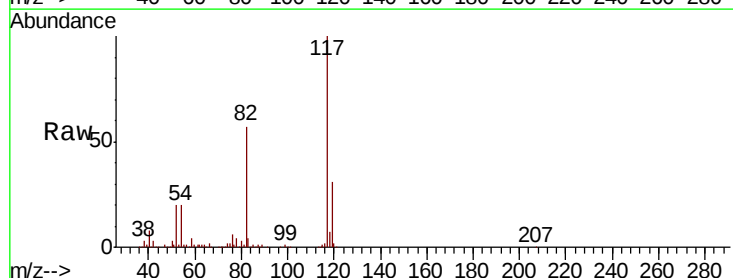
Instrument :
MSVOA_Y
ClientSampleId :

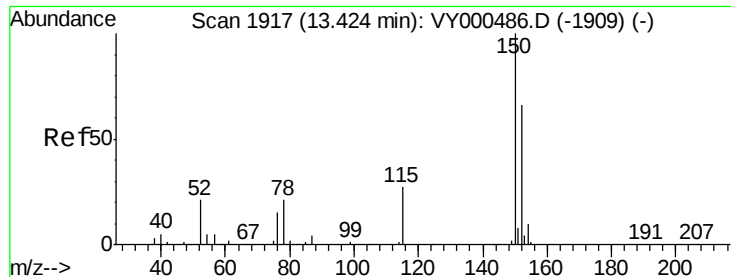
Tot Ion: 95 Resp: 183043
Ion Ratio Lower Upper
95 100
174 78.1 0.0 161.6
176 73.9 0.0 157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000568.D
Acq: 07 Nov 2019 10:26

Tgt Ion: 117 Resp: 401236
Ion Ratio Lower Upper
117 100
82 56.8 40.8 61.2
119 31.4 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: VY000568.D

Acq: 07 Nov 2019 10:26

Instrument :

MSVOA_Y

ClientSampleId :

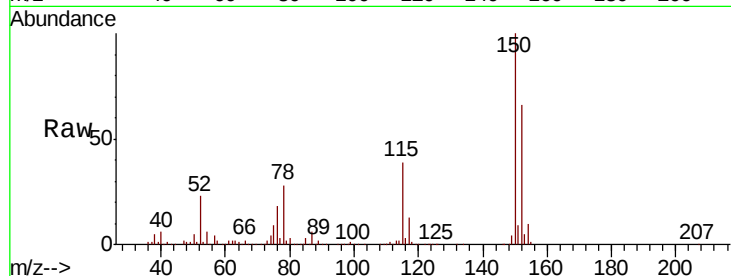
Tot Ion:152 Resp: 177336

Ion Ratio Lower Upper

152 100

115 60.0 29.1 87.4

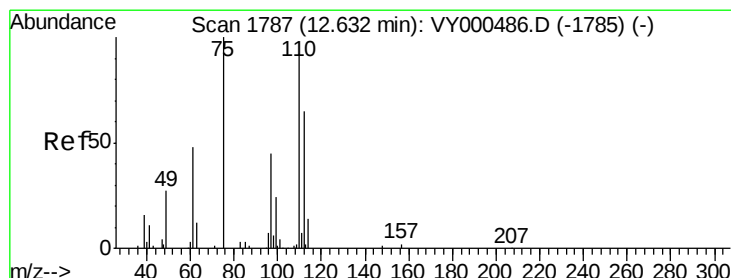
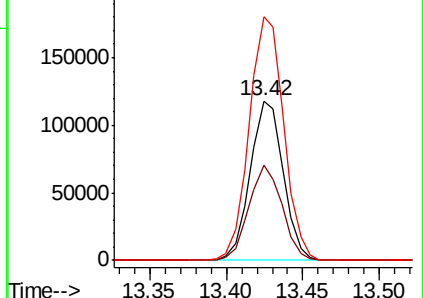
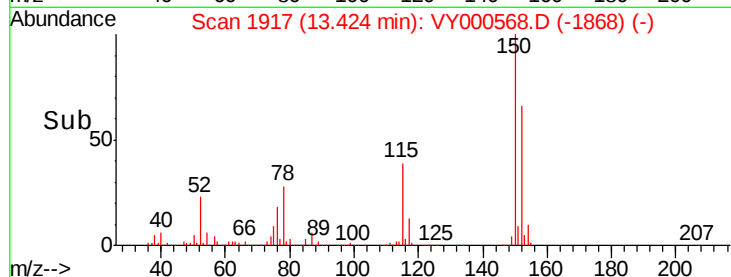
150 159.2 0.0 348.8



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: 48.299 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000568.D

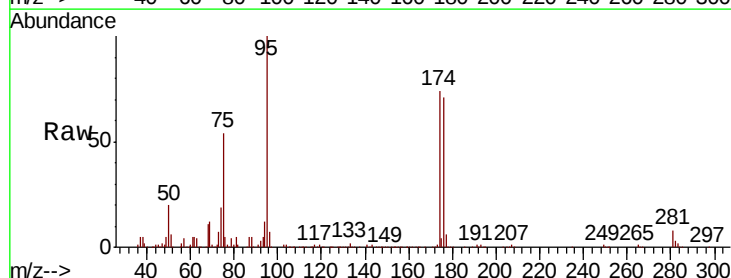
Acq: 07 Nov 2019 10:26

Tgt Ion: 75 Resp: 97525

Ion Ratio Lower Upper

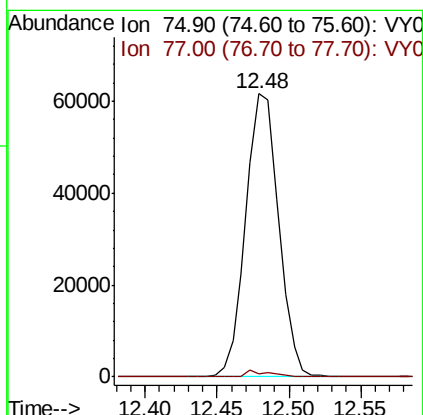
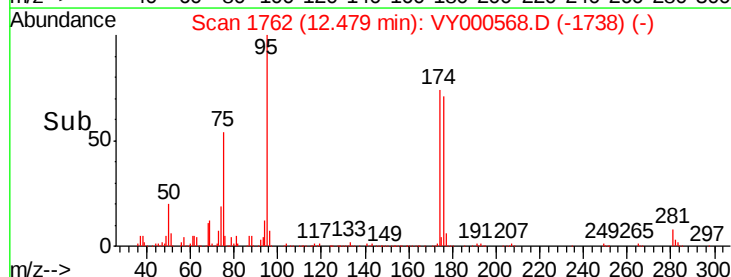
75 100

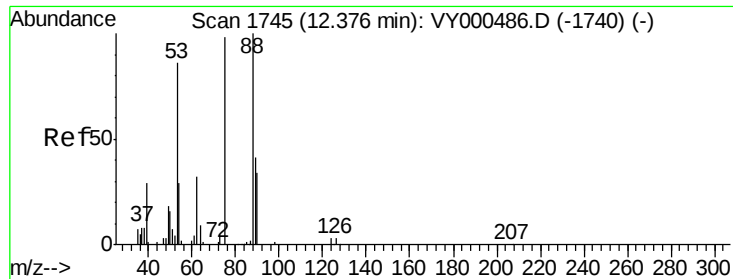
77 1.8 0.0 0.0#



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: 108.292 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000568.D

Acq: 07 Nov 2019 10:26

Instrument :

MSVOA_Y

ClientSampleId :

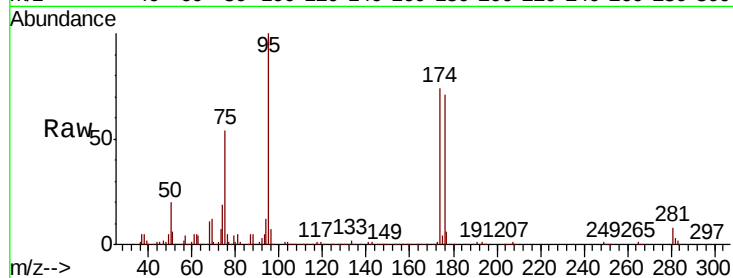
Tot Ion: 75 Resp: 97525

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.5 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

