

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
 Data File : VY000572.D
 Acq On : 07 Nov 2019 12:07
 Operator : SY/MD
 Sample : K5725-02RE
 Misc : 4.02G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 03:45:48 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	7.81	168	30132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	45114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	36575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	14813	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	14088	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	
35) Dibromofluoromethane	7.74	113	12275	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
50) Toluene-d8	10.19	98	50172	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.48	95	15336	40.09	ug/l	0.00
Spiked Amount			Recovery	=	80.18%	

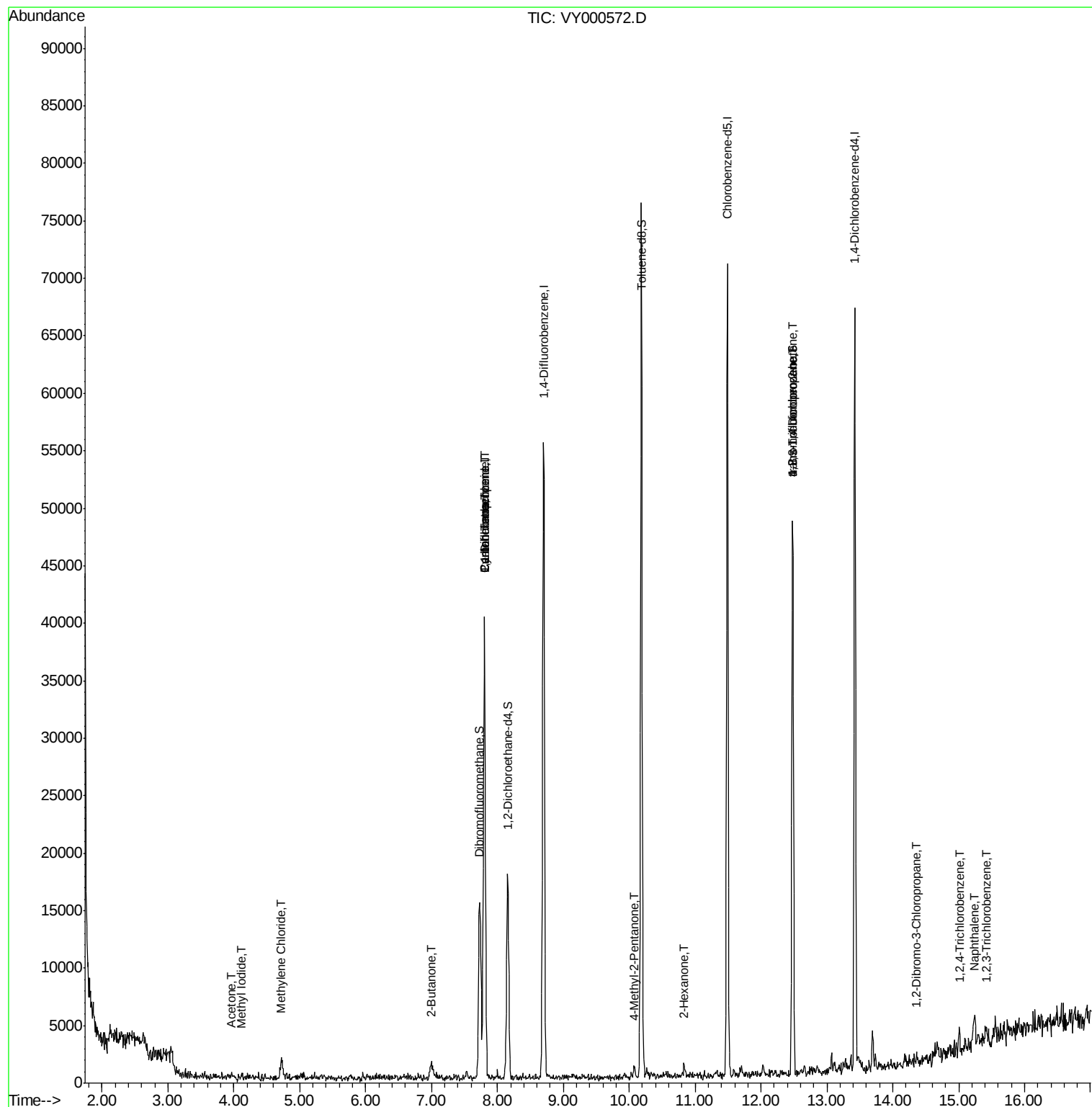
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.11	142	50	3.314	ug/l #	42
16) Acetone	3.97	43	905	10.530	ug/l #	66
20) Methylene Chloride	4.72	84	1044	2.835	ug/l #	64
25) 2-Butanone	7.00	43	166	1.210	ug/l #	49
31) Cyclohexane	7.80	56	1070	1.773	ug/l #	68
36) 1,1-Dichloropropene	7.80	75	2515	5.897	ug/l #	45
38) Carbon Tetrachloride	7.80	117	2932	7.145	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	692	2.736	ug/l #	72
59) 2-Hexanone	10.83	43	901	4.890	ug/l #	78
76) 1,2,3-Trichloropropane	12.48	75	8369	49.619	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	8369	111.252	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.36	75	91	2.372	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.01	180	650	2.164	ug/l #	80
95) Naphthalene	15.23	128	1983	2.973	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.43	180	564	2.093	ug/l	72

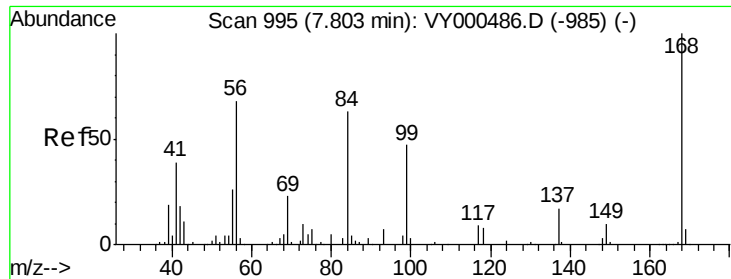
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY000572.D

Acq: 07 Nov 2019 12:07

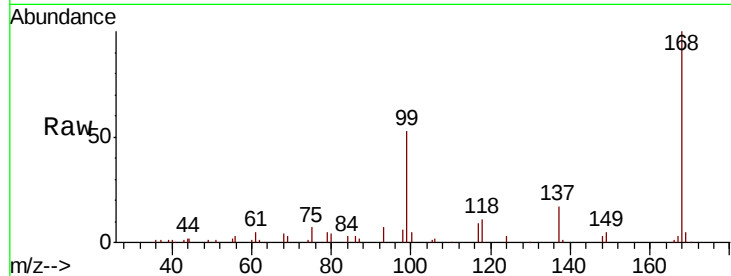
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 30132

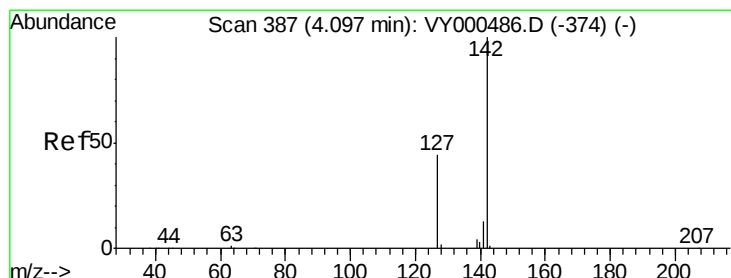
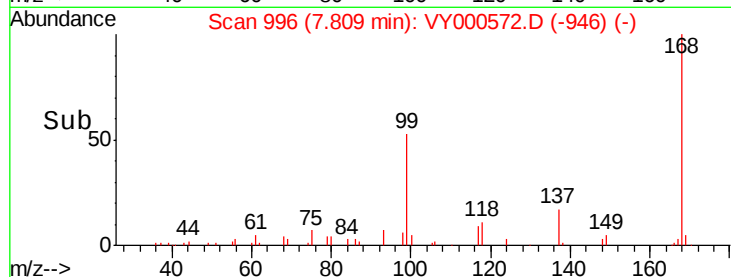
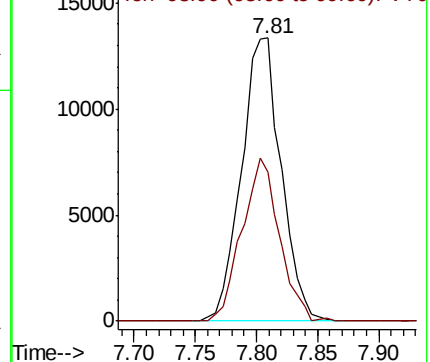
Ion Ratio Lower Upper

168 100

99 52.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 3.314 ug/l

RT: 4.11 min Scan# 390

Delta R.T. 0.02 min

Lab File: VY000572.D

Acq: 07 Nov 2019 12:07

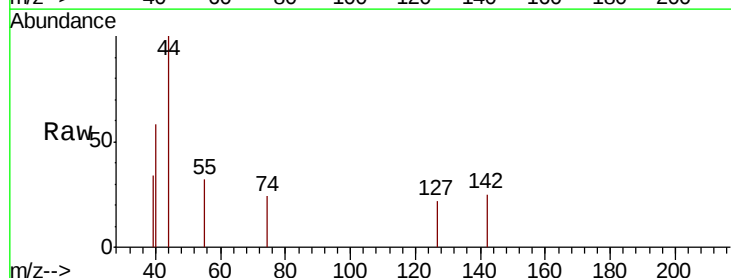
Tgt Ion:142 Resp: 50

Ion Ratio Lower Upper

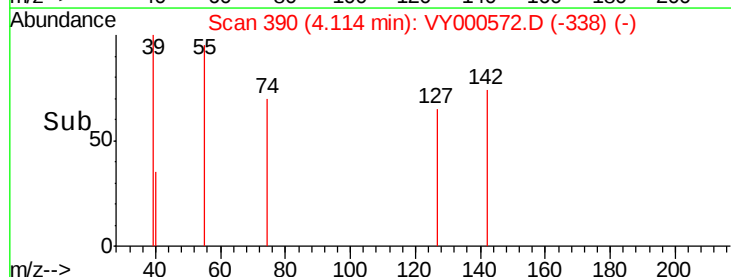
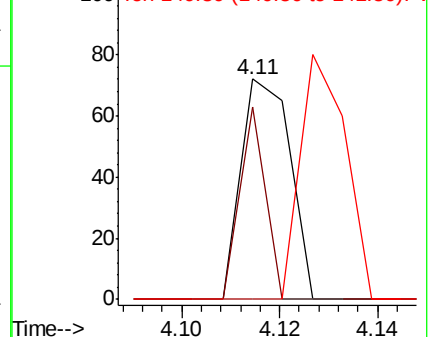
142 100

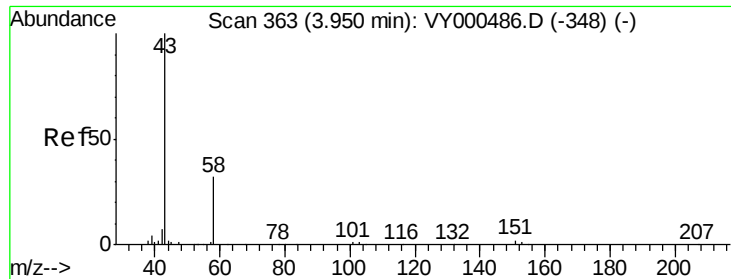
127 46.0 33.7 50.5

141 102.0 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: 10.530 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY000572.D

Acq: 07 Nov 2019 12:07

Instrument :

MSVOA_Y

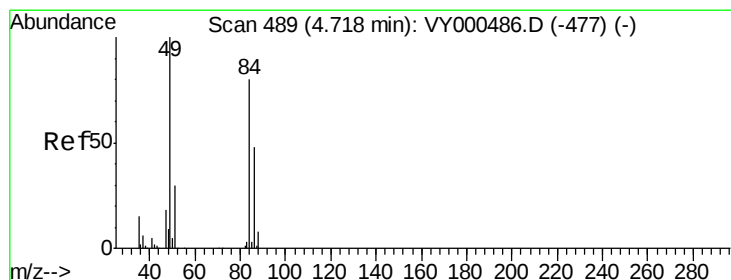
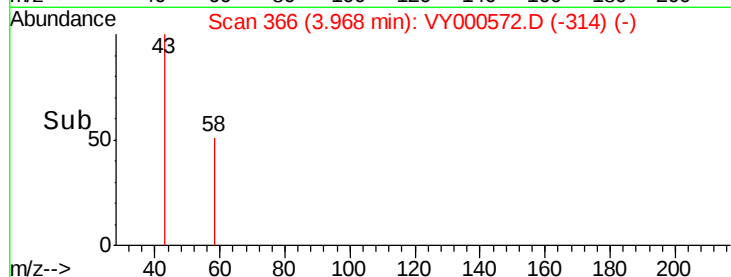
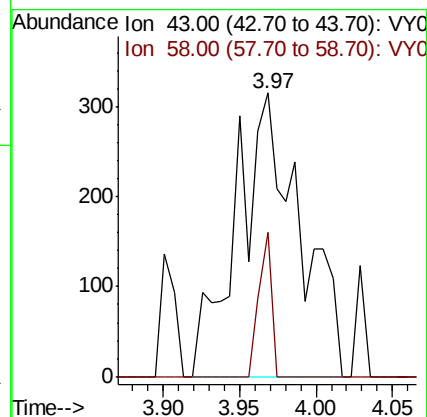
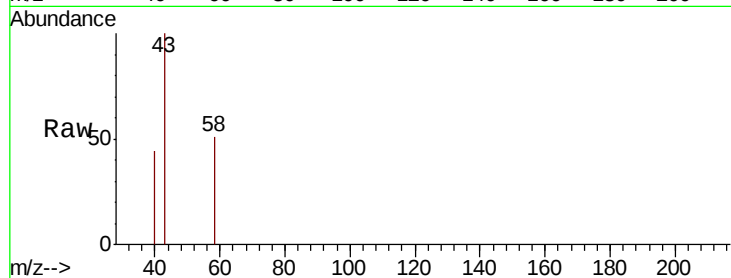
ClientSampled :

Tot Ion: 43 Resp: 905

Ion Ratio Lower Upper

43 100

58 51.1 25.8 38.6#



#20

Methylene Chloride

Concen: 2.835 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.00 min

Lab File: VY000572.D

Acq: 07 Nov 2019 12:07

Tgt Ion: 84 Resp: 1044

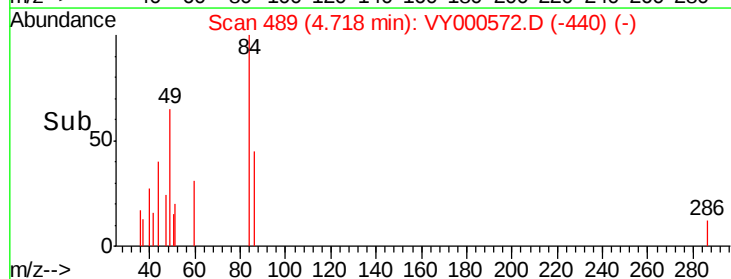
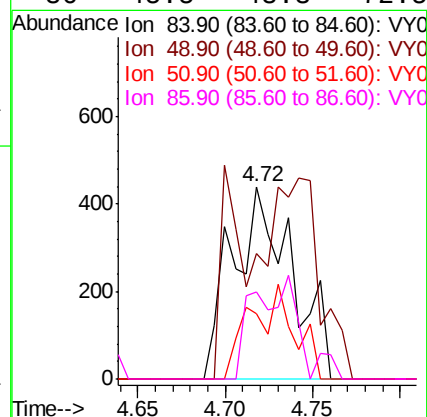
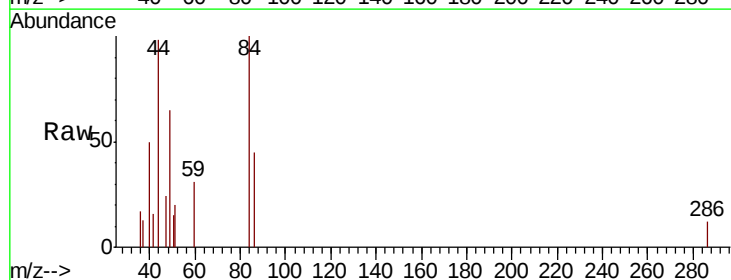
Ion Ratio Lower Upper

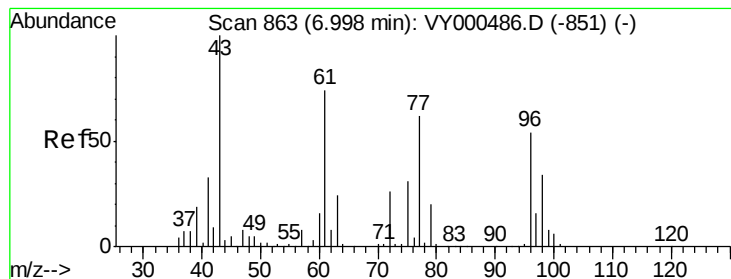
84 100

49 65.0 100.2 150.4#

51 34.1 29.6 44.4

86 45.5 48.3 72.5#





#25

2-Butanone

Concen: 1.210 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000572.D

Acq: 07 Nov 2019 12:07

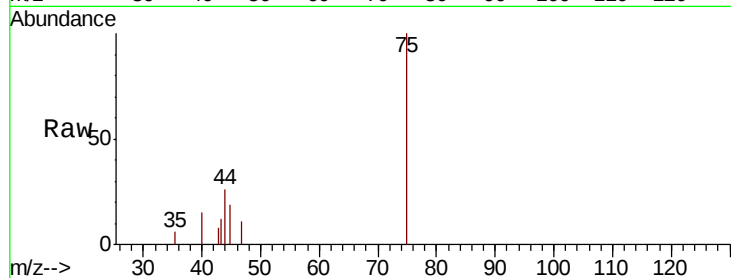
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 166

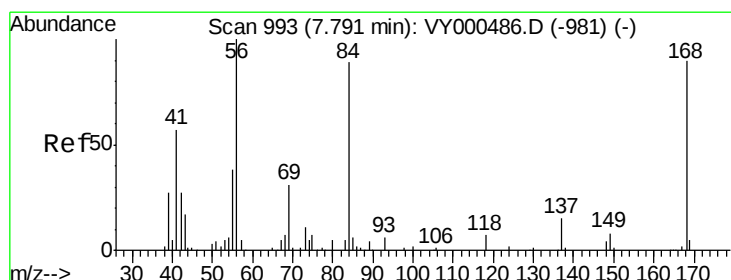
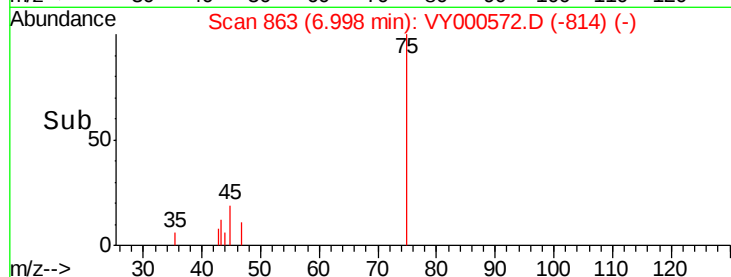
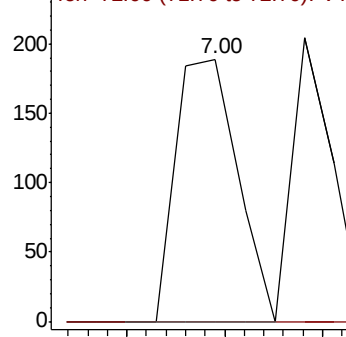
Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.773 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000572.D

Acq: 07 Nov 2019 12:07

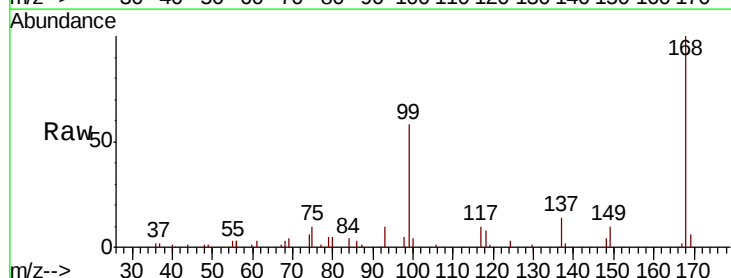
Tgt Ion: 56 Resp: 1070

Ion Ratio Lower Upper

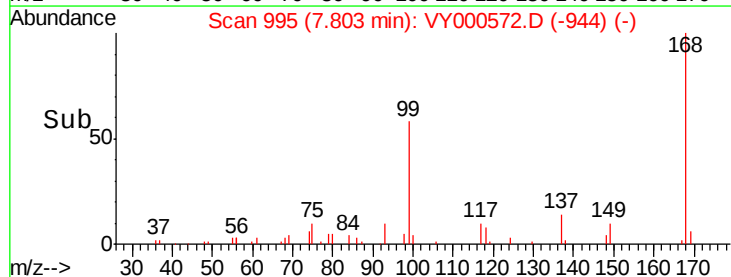
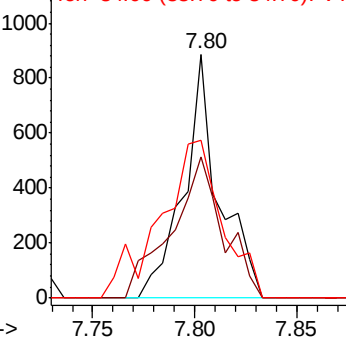
56 100

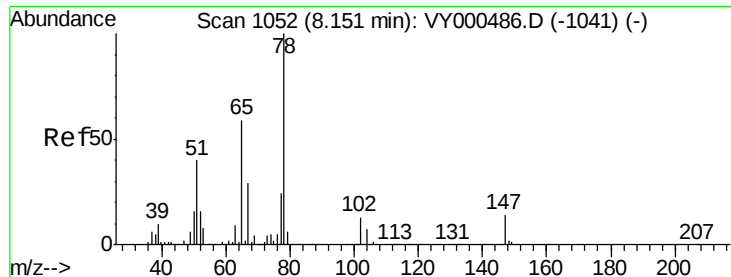
69 57.8 25.0 37.6#

84 64.6 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: 45.179 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY000572.D

Acq: 07 Nov 2019 12:07

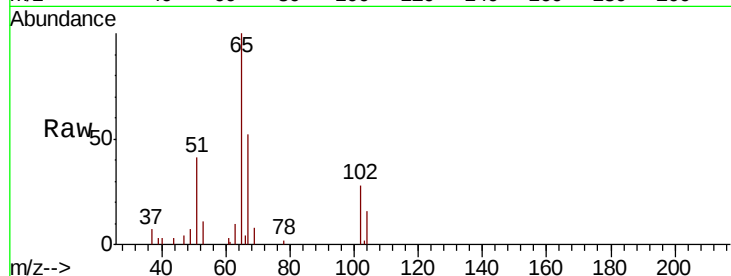
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 65 Resp: 14088

Ion Ratio Lower Upper

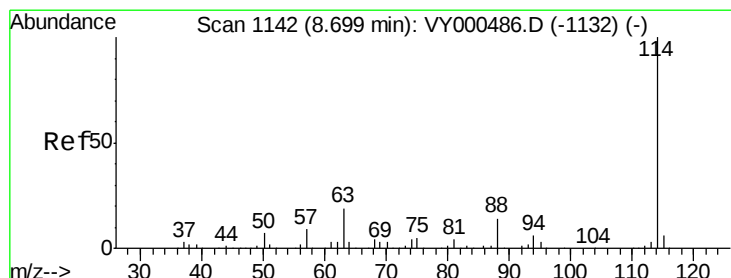
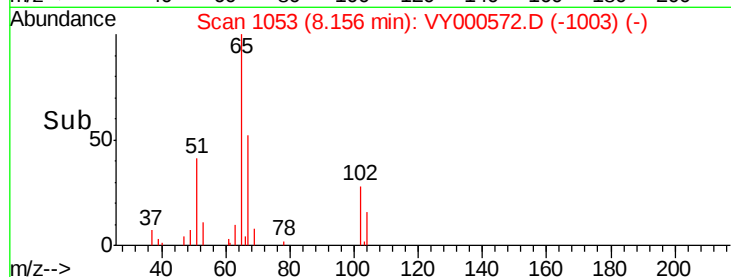
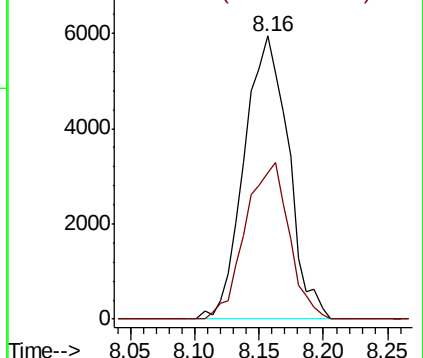
65 100

67 55.2 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: VY000572.D

Acq: 07 Nov 2019 12:07

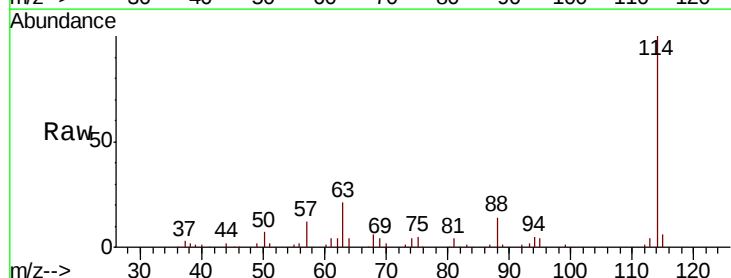
Tgt Ion:114 Resp: 45114

Ion Ratio Lower Upper

114 100

63 21.3 0.0 38.0

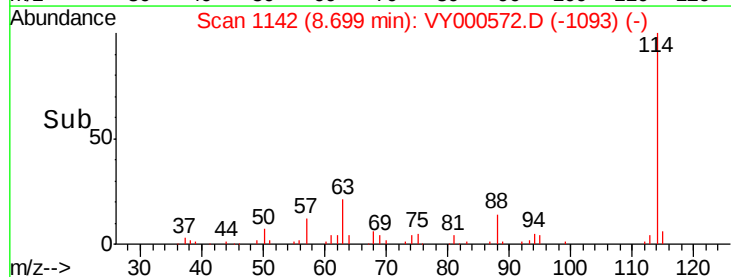
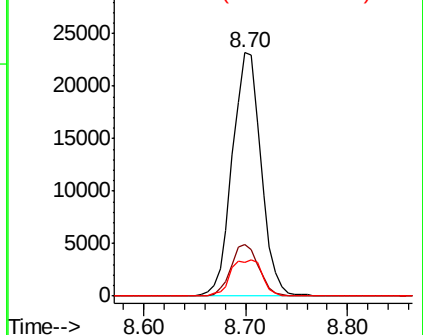
88 13.7 0.0 28.6

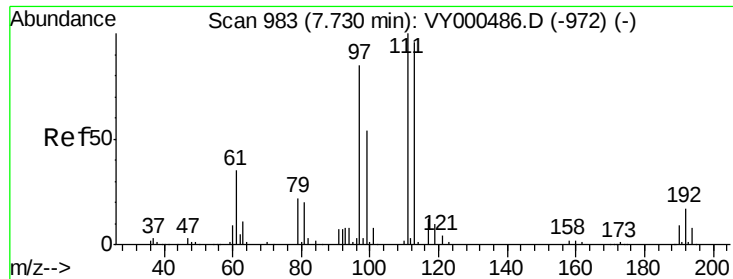


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 46.347 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000572.D

Acq: 07 Nov 2019 12:07

Instrument :
MSVOA_Y
ClientSampleId :

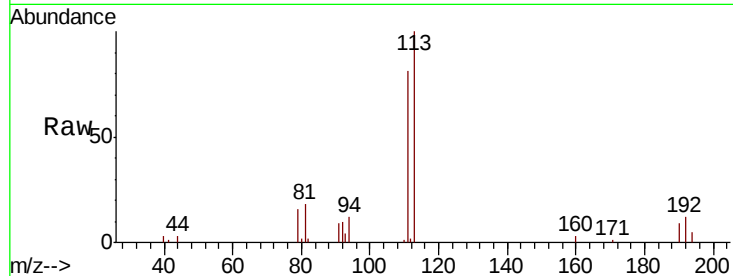
Tot Ion:113 Resp: 12275

Ion Ratio Lower Upper

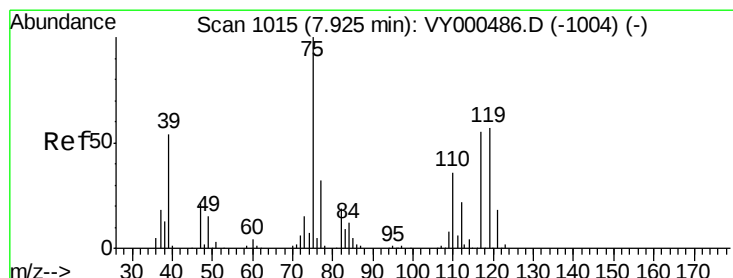
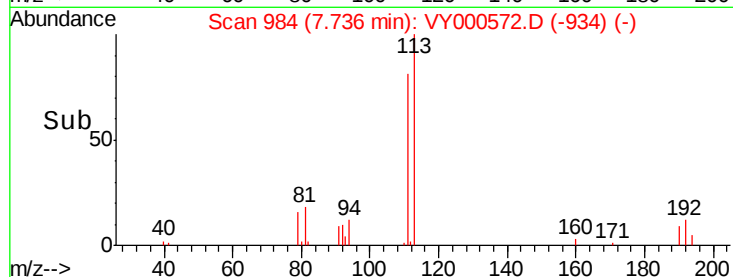
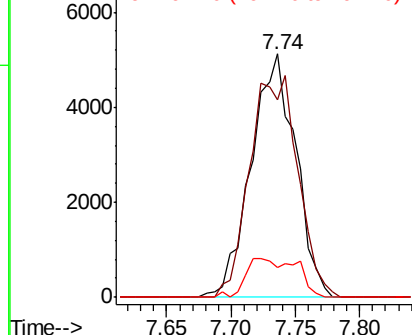
113 100

111 98.0 81.7 122.5

192 11.0 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: 5.897 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY000572.D

Acq: 07 Nov 2019 12:07

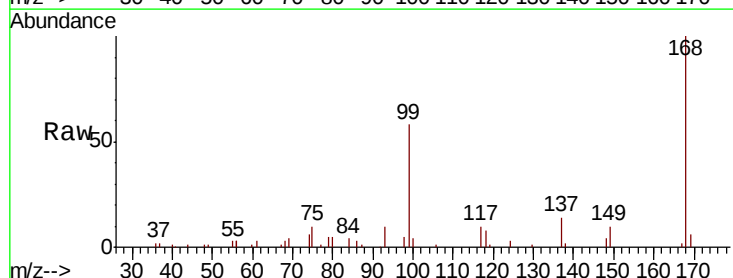
Tgt Ion: 75 Resp: 2515

Ion Ratio Lower Upper

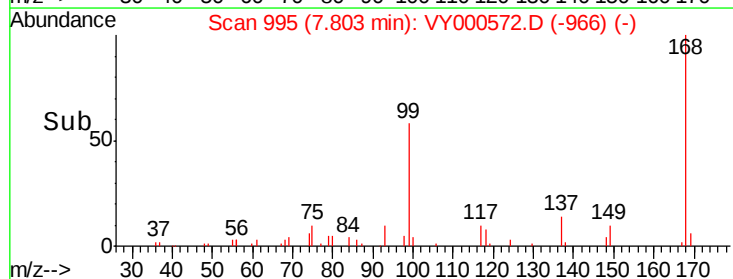
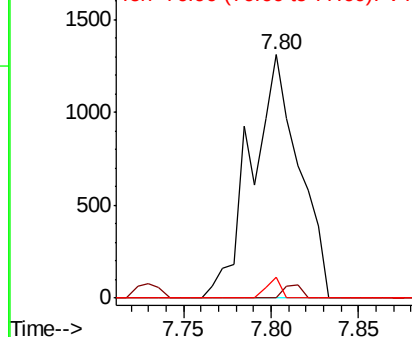
75 100

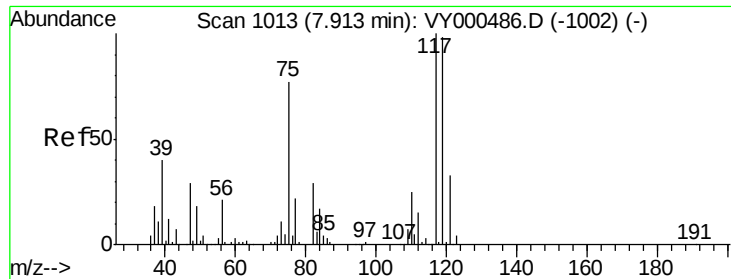
110 2.0 18.1 54.1#

77 2.4 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VY0

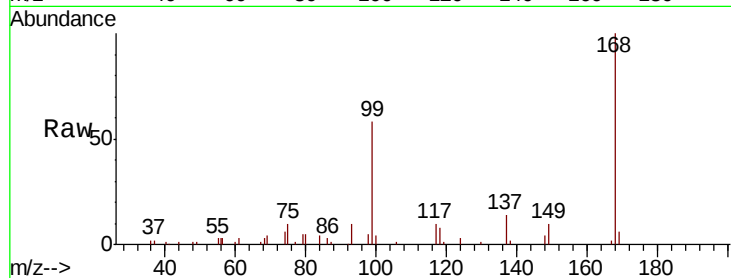




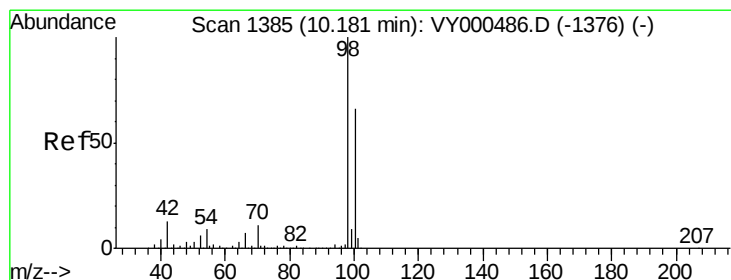
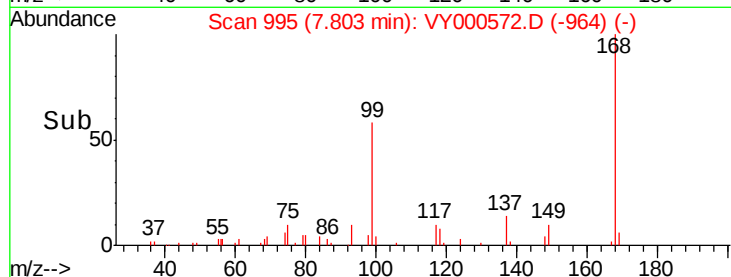
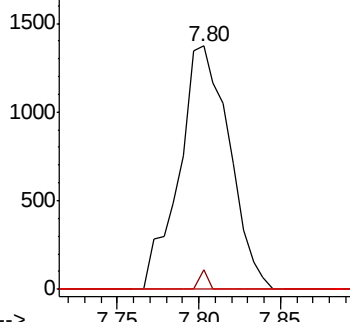
#38
Carbon Tetrachloride
Concen: 7.145 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000572.D
Acq: 07 Nov 2019 12:07

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 2932
Ion Ratio Lower Upper
117 100
119 8.1 78.0 117.0#
121 0.0 26.6 40.0#

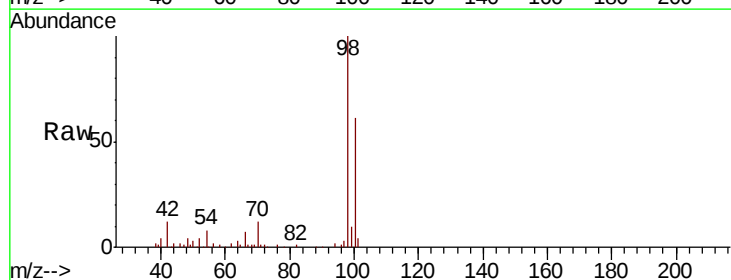


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

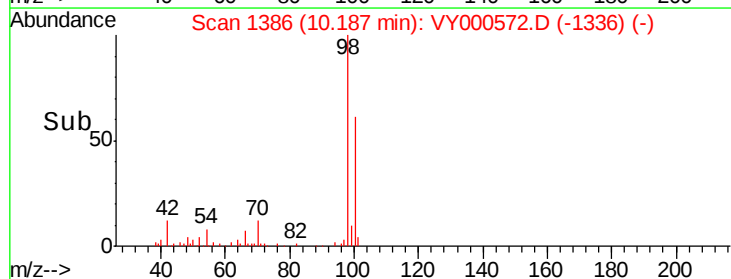
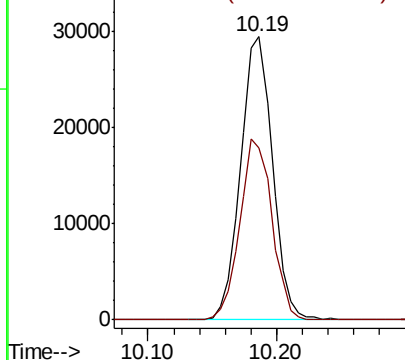


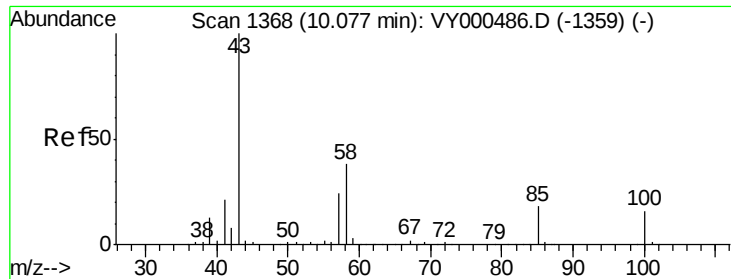
#50
Toluene-d8
Concen: 49.924 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VY000572.D
Acq: 07 Nov 2019 12:07

Tgt Ion: 98 Resp: 50172
Ion Ratio Lower Upper
98 100
100 64.4 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 2.736 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000572.D

Acq: 07 Nov 2019 12:07

Instrument :

MSVOA_Y

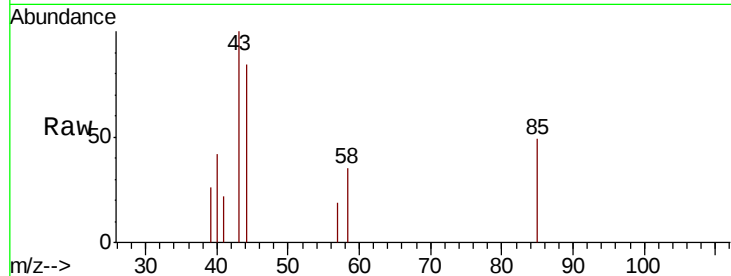
ClientSampleId :

Tot Ion: 43 Resp: 692

Ion Ratio Lower Upper

43 100

58 21.0 30.2 45.4#



Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-1359) (-)

Ion 58.00 (57.70 to 58.70): VY000486.D (-1359) (-)

10.08

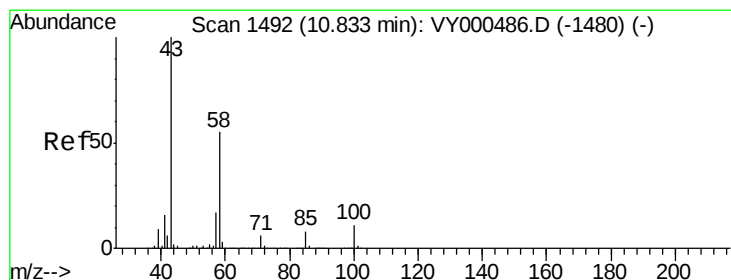
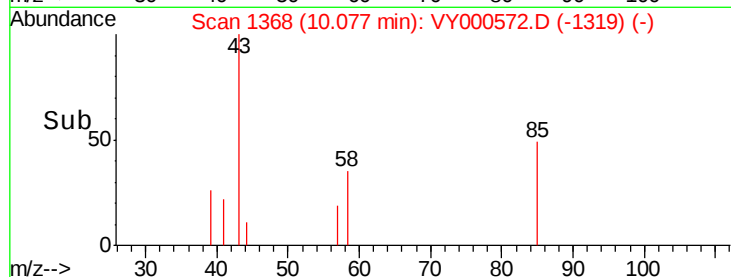
300

200

100

0

Time-->



#59

2-Hexanone

Concen: 4.890 ug/l

RT: 10.83 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY000572.D

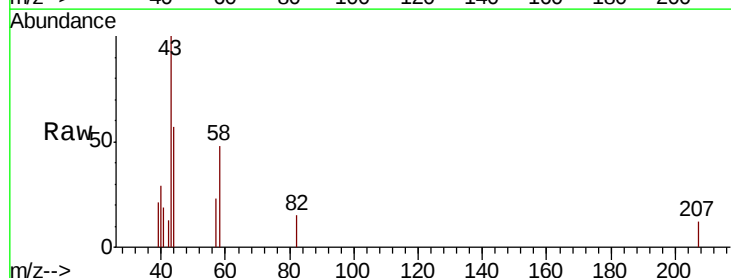
Acq: 07 Nov 2019 12:07

Tgt Ion: 43 Resp: 901

Ion Ratio Lower Upper

43 100

58 38.5 27.1 81.3



Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-1480) (-)

Ion 58.00 (57.70 to 58.70): VY000486.D (-1480) (-)

10.83

500

400

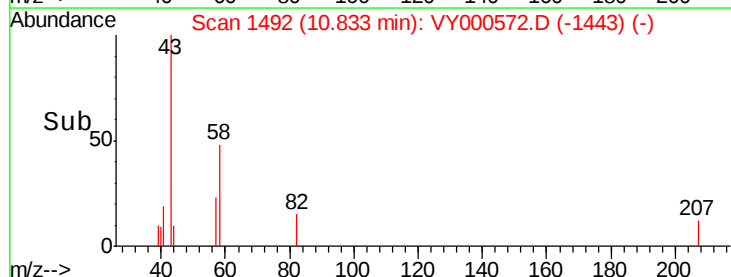
300

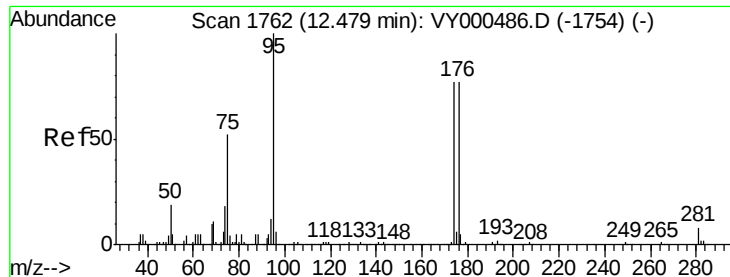
200

100

0

Time-->

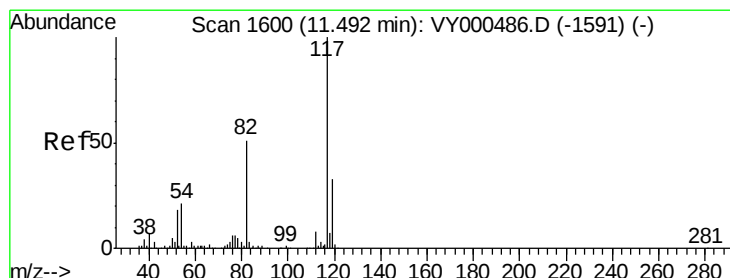
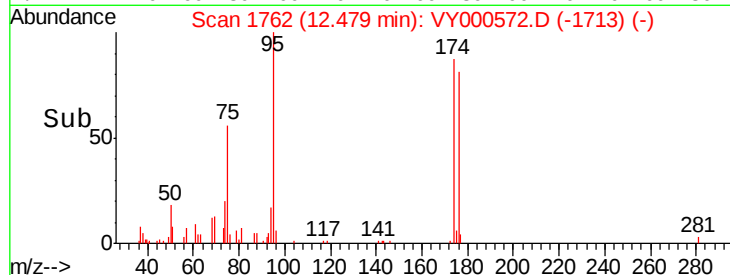
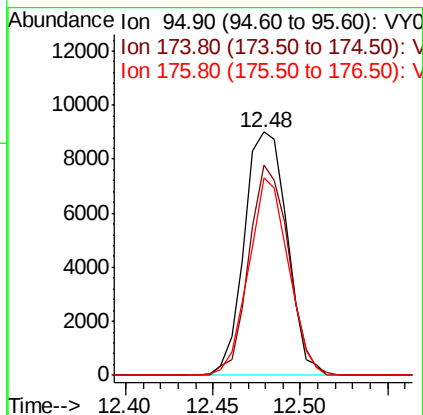
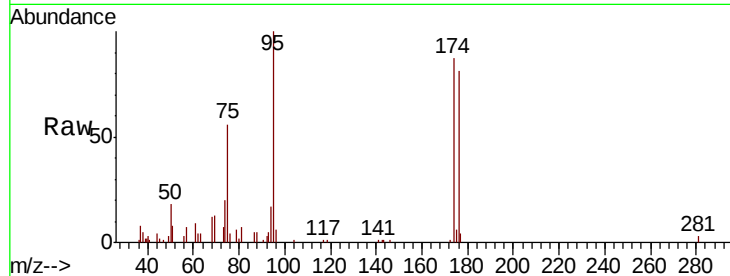




#62
4-Bromofluorobenzene
Concen: 40.086 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000572.D
Acq: 07 Nov 2019 12:07

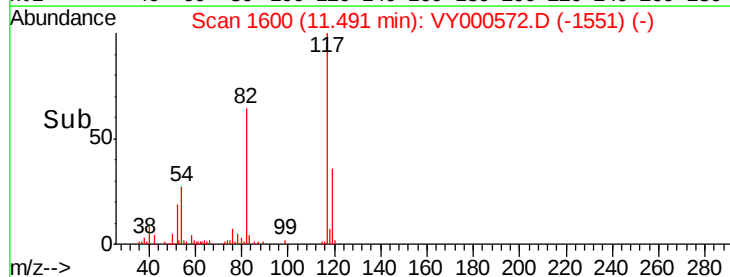
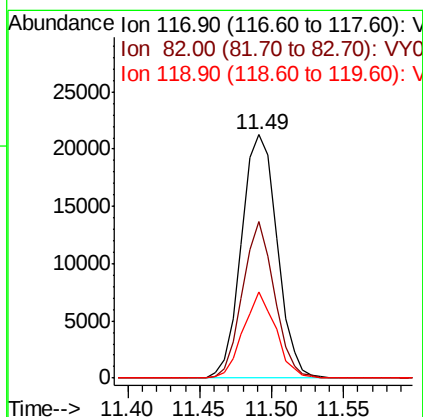
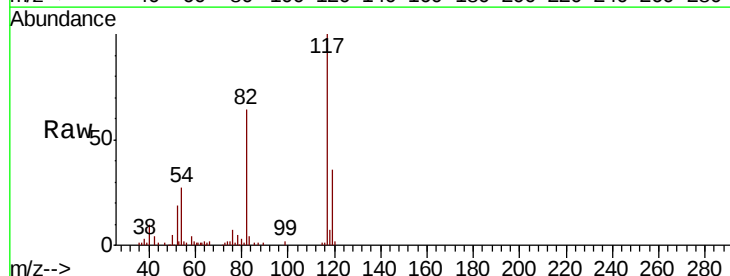
Instrument :
MSVOA_Y
ClientSampleId :

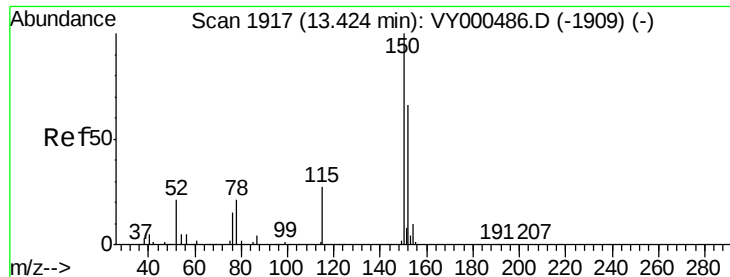
Tot Ion: 95 Resp: 15336
Ion Ratio Lower Upper
95 100
174 80.2 0.0 161.6
176 75.3 0.0 157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000572.D
Acq: 07 Nov 2019 12:07

Tgt Ion: 117 Resp: 36575
Ion Ratio Lower Upper
117 100
82 64.2 40.8 61.2#
119 35.5 26.2 39.2



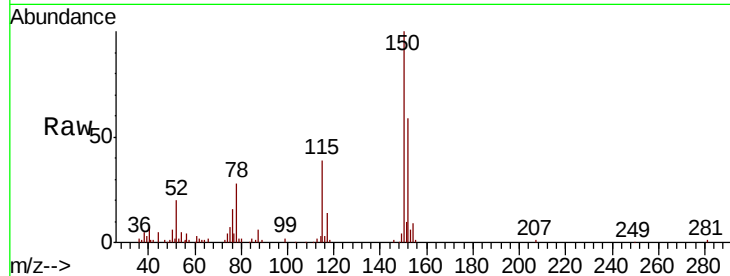


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000572.D
Acq: 07 Nov 2019 12:07

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.3	29.1	87.4
150	164.5	0.0	348.8

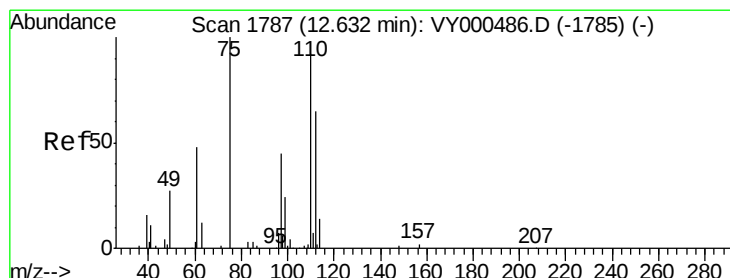
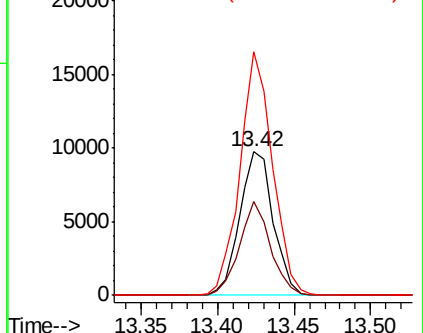
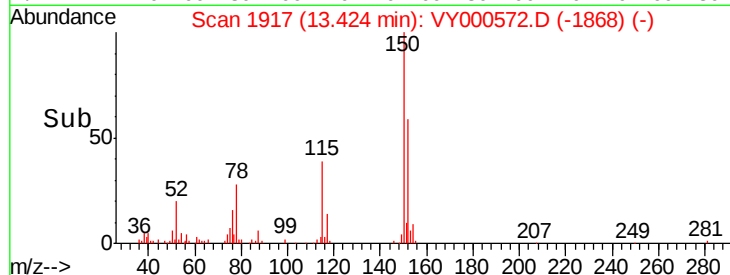


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

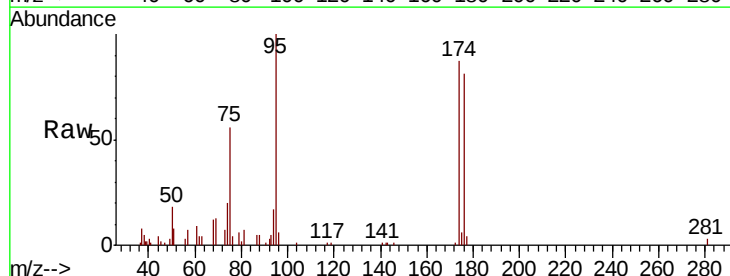
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 49.619 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000572.D
Acq: 07 Nov 2019 12:07

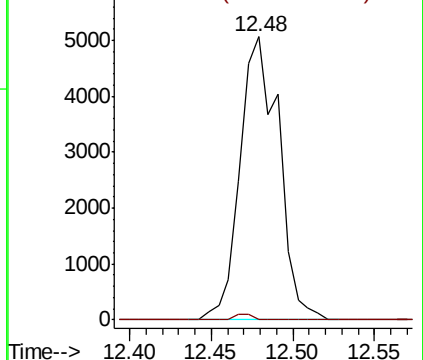
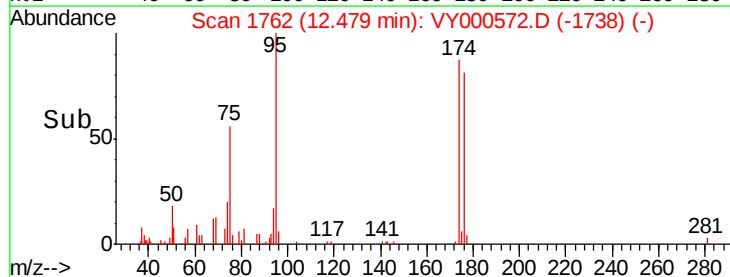
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.8	0.0	0.0#

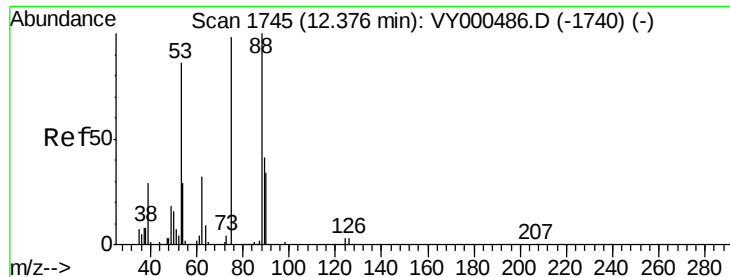


Abundance

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: 111.252 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000572.D

Acq: 07 Nov 2019 12:07

Instrument :

MSVOA_Y

ClientSampleId :

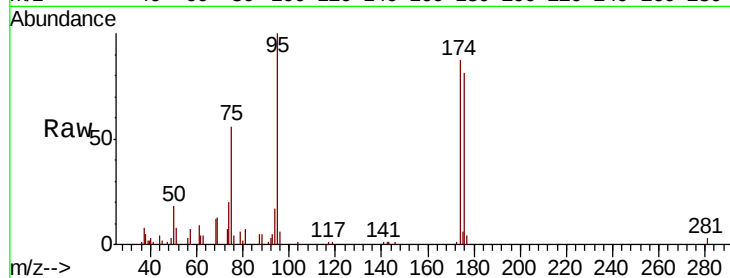
Tot Ion: 75 Resp: 8369

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

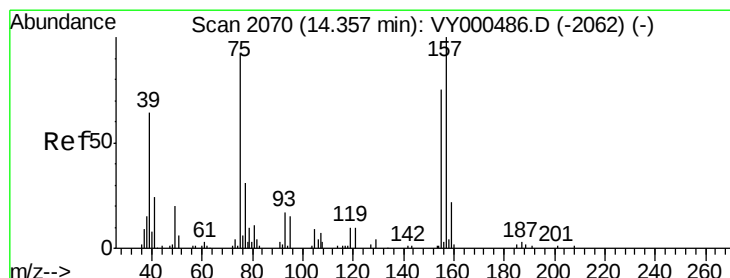
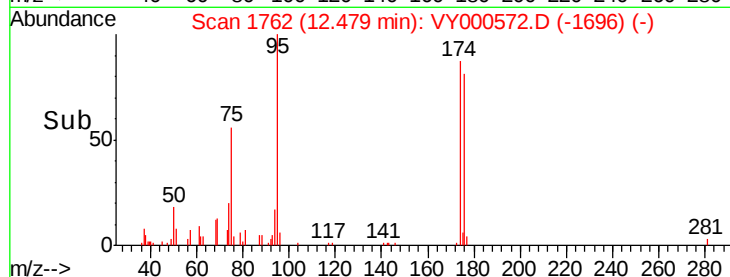
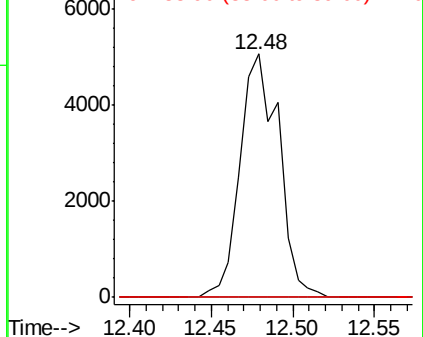
89 0.0 35.9 53.9#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.372 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VY000572.D

Acq: 07 Nov 2019 12:07

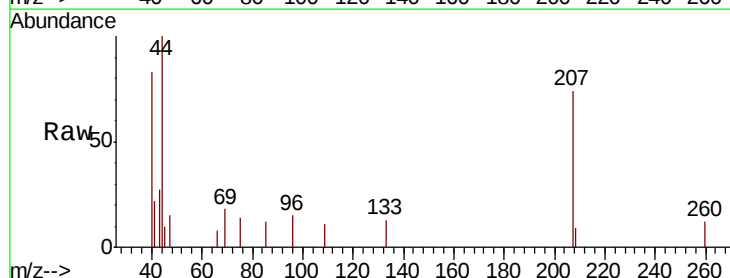
Tgt Ion: 75 Resp: 91

Ion Ratio Lower Upper

75 100

155 0.0 42.4 127.1#

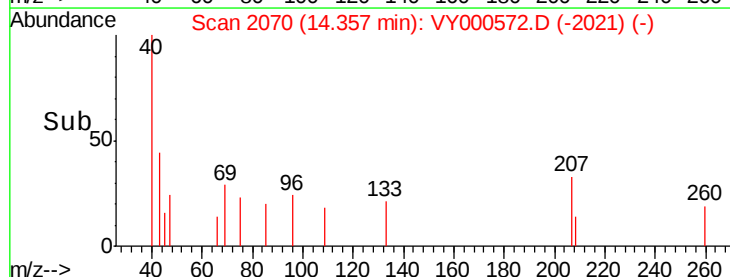
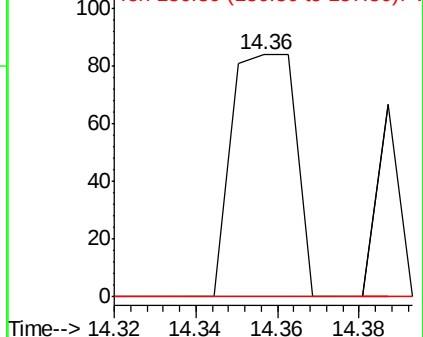
157 0.0 55.1 165.3#

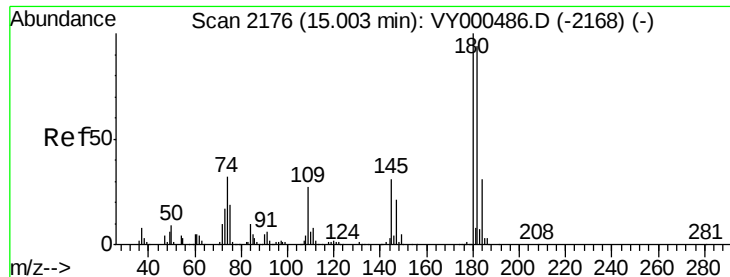


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

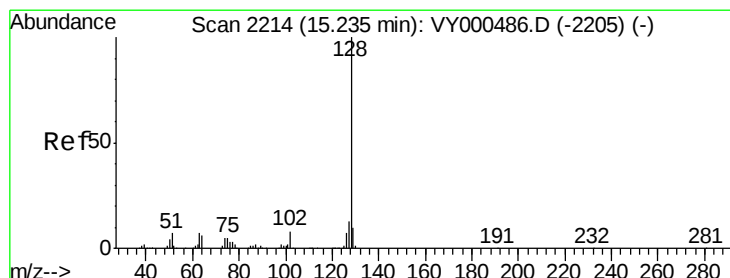
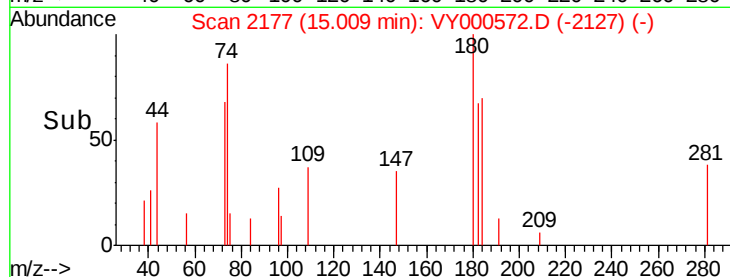
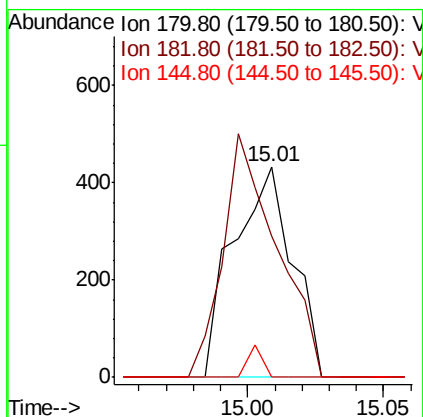
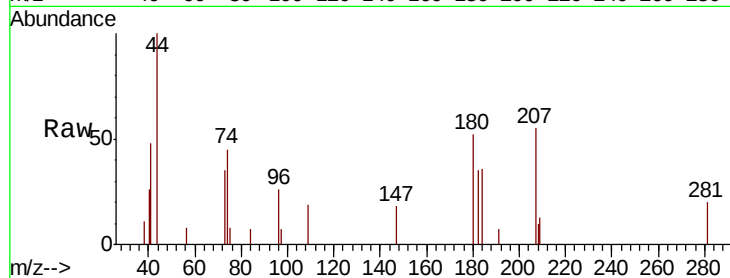




#93
 1,2,4-Trichlorobenzene
 Concen: 2.164 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000572.D
 Acq: 07 Nov 2019 12:07

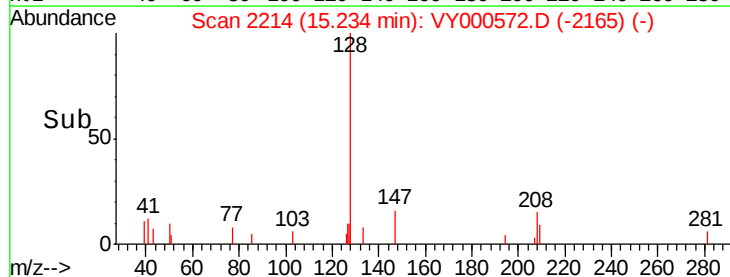
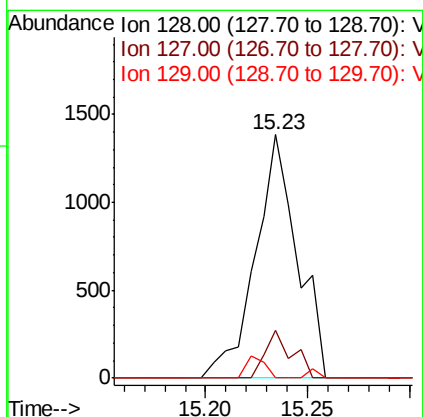
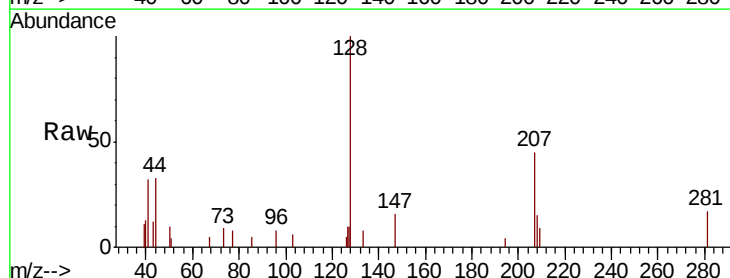
Instrument :
 MSVOA_Y
 ClientSampleId :

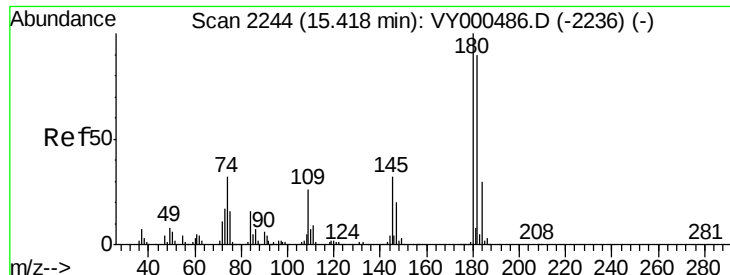
Tot Ion:180 Resp: 650
 Ion Ratio Lower Upper
 180 100
 182 105.1 47.8 143.4
 145 3.8 16.0 47.9#



#95
 Naphthalene
 Concen: 2.973 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VY000572.D
 Acq: 07 Nov 2019 12:07

Tgt Ion:128 Resp: 1983
 Ion Ratio Lower Upper
 128 100
 127 12.5 9.8 14.6
 129 3.9 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.093 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. 0.01 min

Lab File: VY000572.D

Acq: 07 Nov 2019 12:07

Instrument :

MSVOA_Y

ClientSampleId :

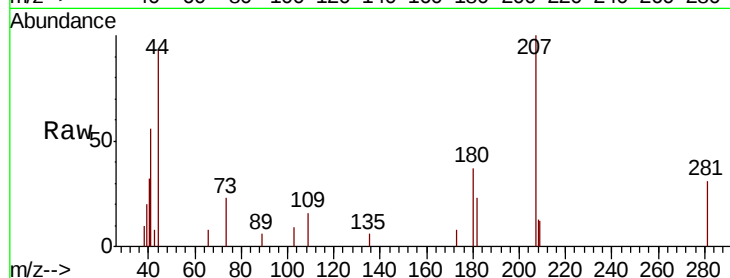
Tot Ion:180 Resp: 564

Ion Ratio Lower Upper

180 100

182 65.1 47.4 142.3

145 20.6 15.7 47.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

