

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110619\
 Data File : VY000541.D
 Acq On : 06 Nov 2019 11:12
 Operator : SY/MD
 Sample : VY1106SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 07 04:54:08 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	223335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	392429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	345715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	154529	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	129746	56.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.28%	
35) Dibromofluoromethane	7.73	113	116977	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
50) Toluene-d8	10.18	98	457838	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
62) 4-Bromofluorobenzene	12.48	95	152617	45.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.72%	

Target Compounds

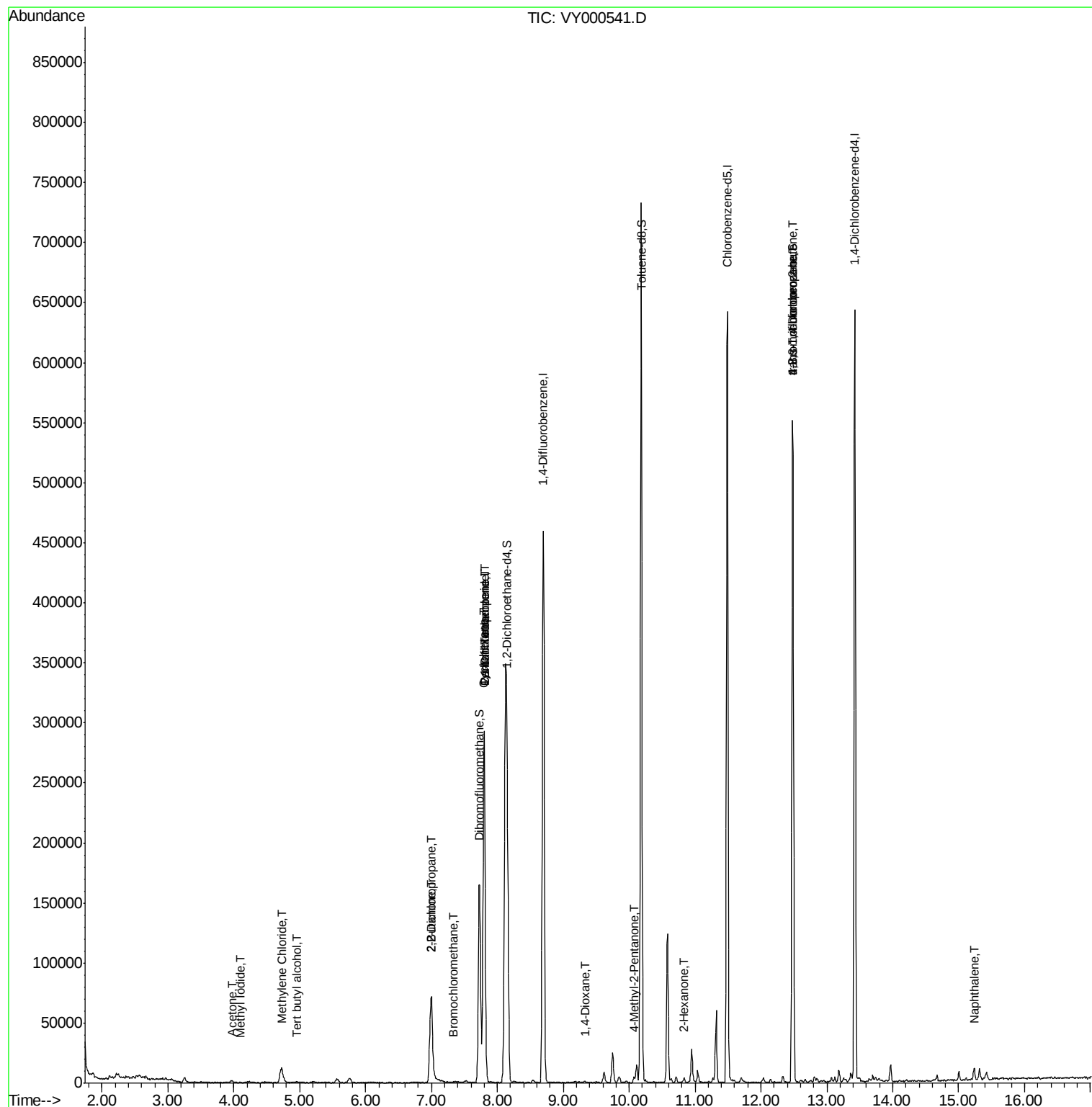
						Qvalue
10) Methyl Iodide	4.09	142	75	3.223	ug/l #	21
11) Tert butyl alcohol	4.95	59	870	3.867	ug/l #	72
16) Acetone	3.97	43	3453	5.421	ug/l	97
20) Methylene Chloride	4.73	84	8683	3.181	ug/l #	86
25) 2-Butanone	7.00	43	5228	5.143	ug/l	92
26) 2,2-Dichloropropane	6.99	77	5425	1.390	ug/l #	52
28) Bromochloromethane	7.34	49	87	4.134	ug/l #	14
31) Cyclohexane	7.79	56	5085	1.137	ug/l #	42
36) 1,1-Dichloropropene	7.80	75	18544	4.999	ug/l #	50
38) Carbon Tetrachloride	7.80	117	22091	6.188	ug/l #	15
49) 1,4-Dioxane	9.32	88	40	2.019	ug/l #	1
51) 4-Methyl-2-Pentanone	10.07	43	3346	1.521	ug/l #	87
59) 2-Hexanone	10.83	43	2896	1.807	ug/l	99
76) 1,2,3-Trichloropropane	12.48	75	82669	46.984	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	82669	105.344	ug/l #	13
95) Naphthalene	15.23	128	7854	1.129	ug/l #	93

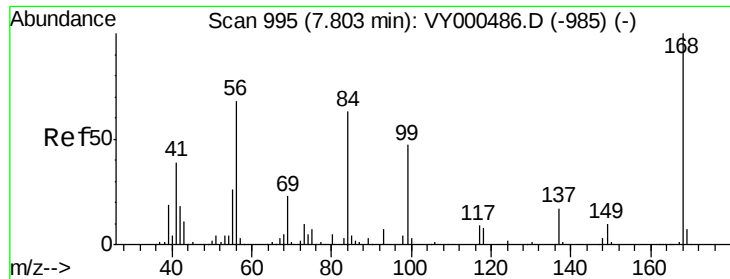
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000541.D

Acq: 06 Nov 2019 11:12

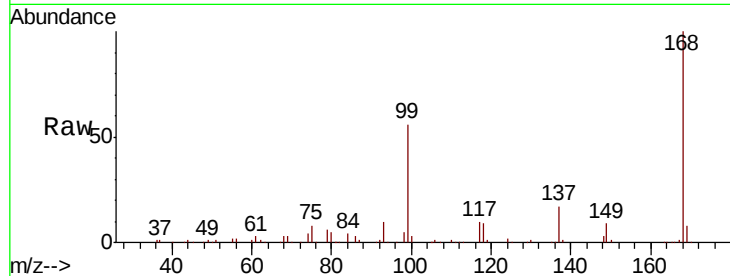
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 223335

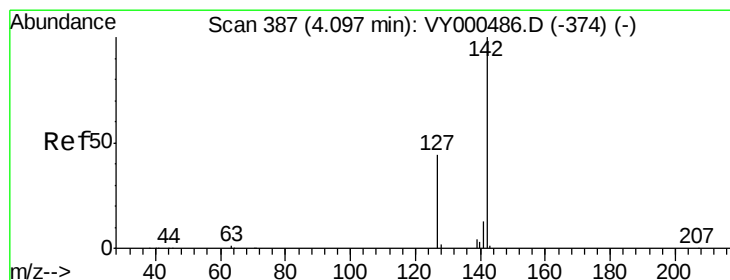
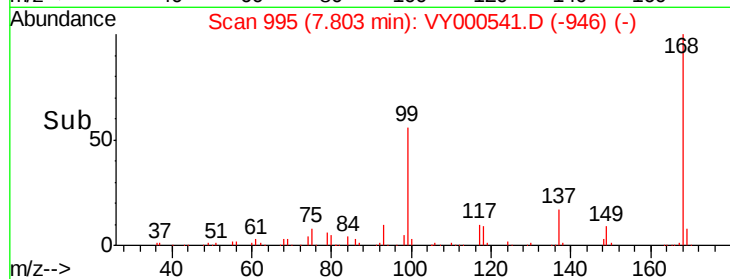
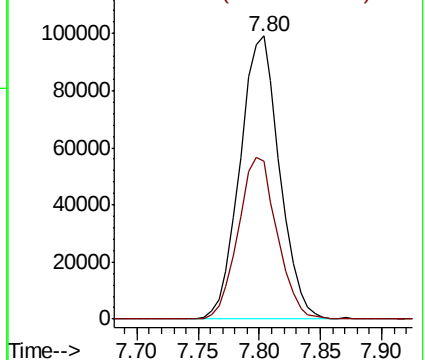
Ion Ratio Lower Upper

168 100

99 55.6 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: 3.223 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000541.D

Acq: 06 Nov 2019 11:12

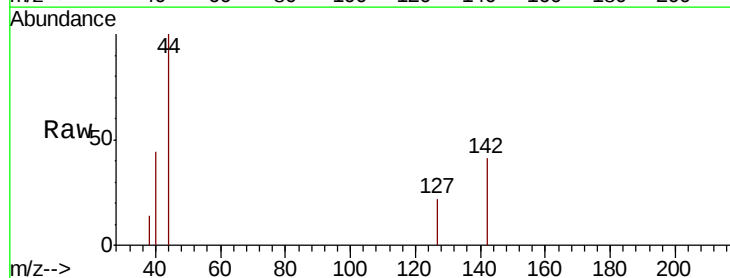
Tgt Ion:142 Resp: 75

Ion Ratio Lower Upper

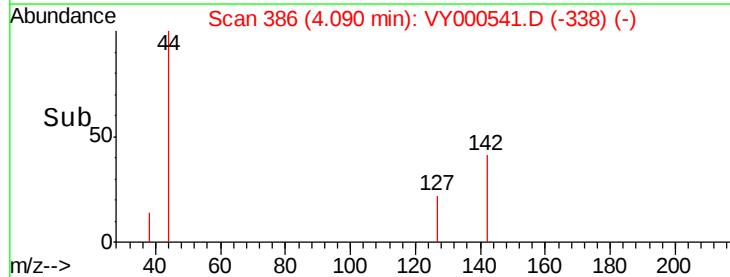
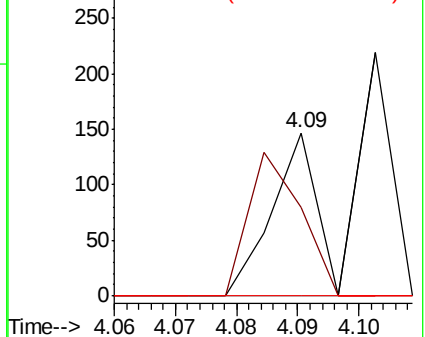
142 100

127 101.3 33.7 50.5#

141 0.0 10.9 16.3#



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



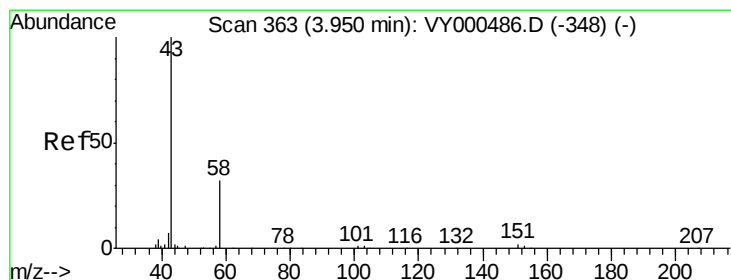
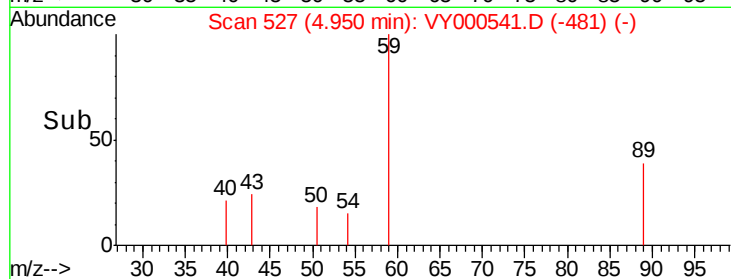
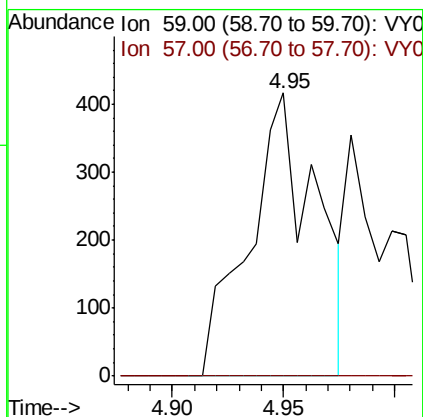
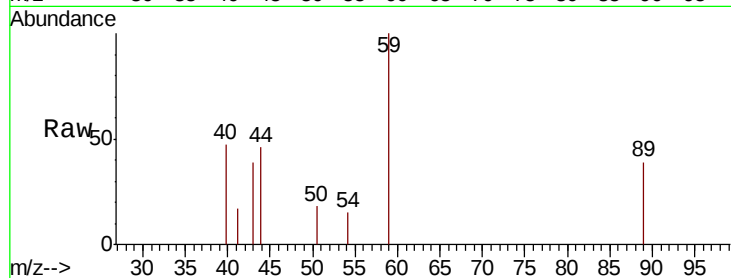


#11

Tert butyl alcohol
 Concen: 3.867 ug/l
 RT: 4.95 min Scan# 527
 Delta R.T. -0.02 min
 Lab File: VY000541.D
 Acq: 06 Nov 2019 11:12

Instrument :
 MSVOA_Y
 ClientSampled :

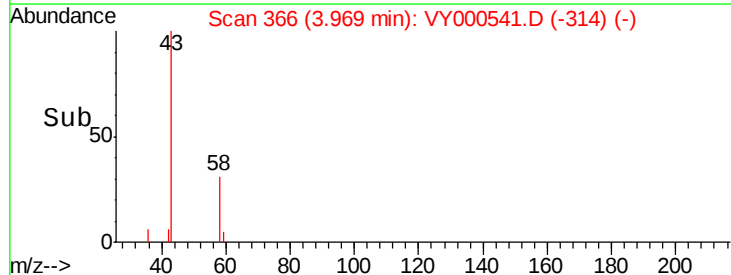
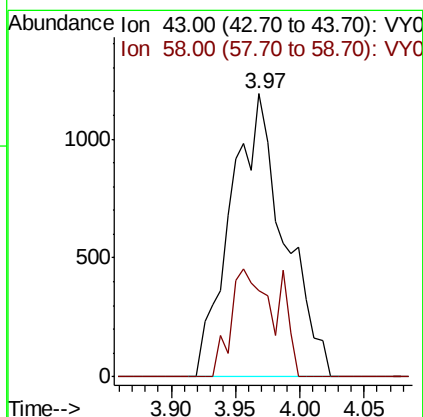
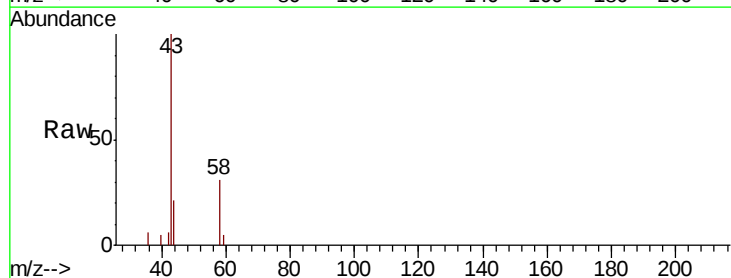
Tot Ion: 59 Resp: 870
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

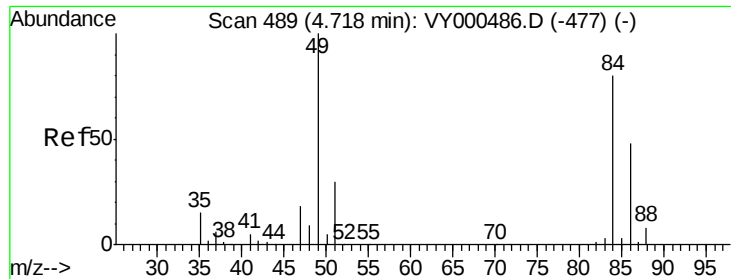


#16

Acetone
 Concen: 5.421 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VY000541.D
 Acq: 06 Nov 2019 11:12

Tgt Ion: 43 Resp: 3453
 Ion Ratio Lower Upper
 43 100
 58 30.5 25.8 38.6

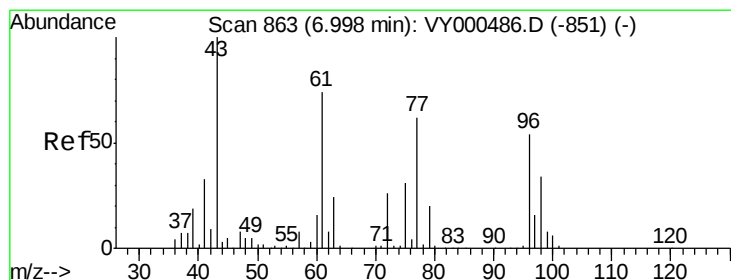
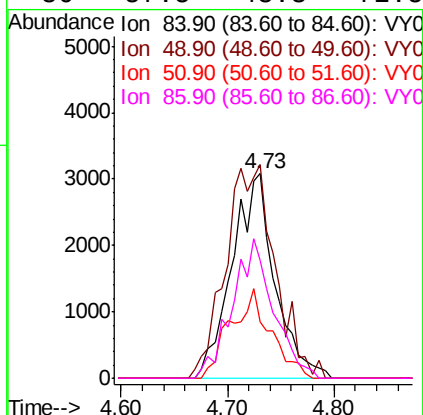
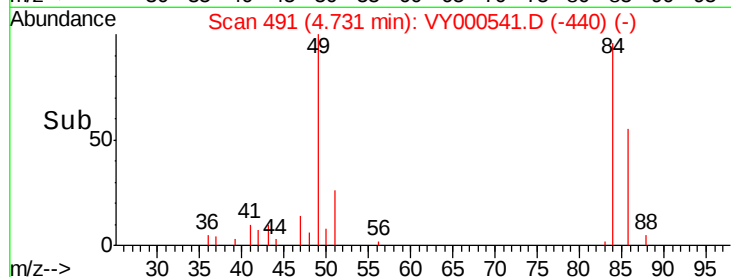
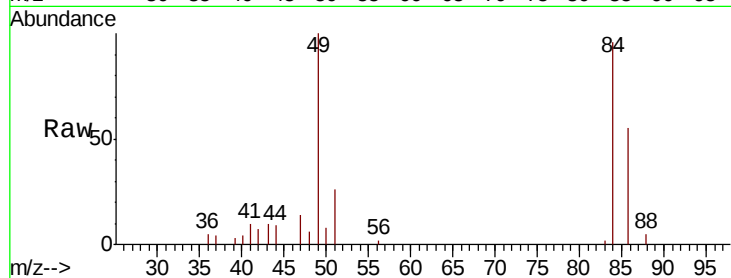




#20
Methvlene Chloride
Concen: 3.181 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000541.D
Acq: 06 Nov 2019 11:12

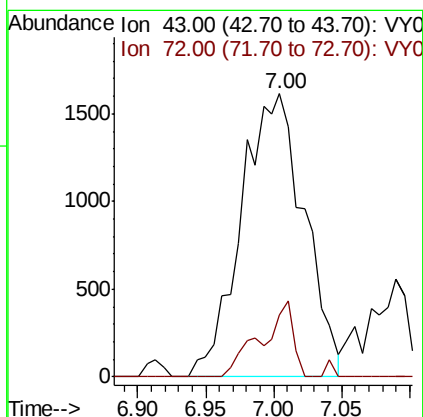
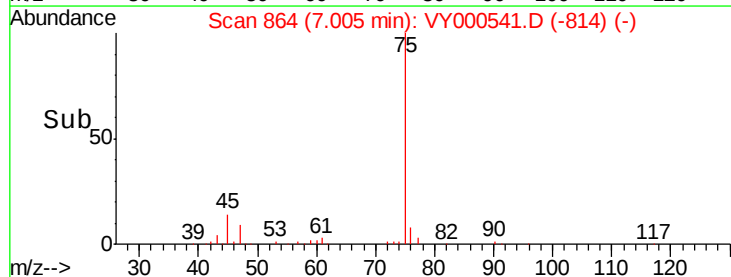
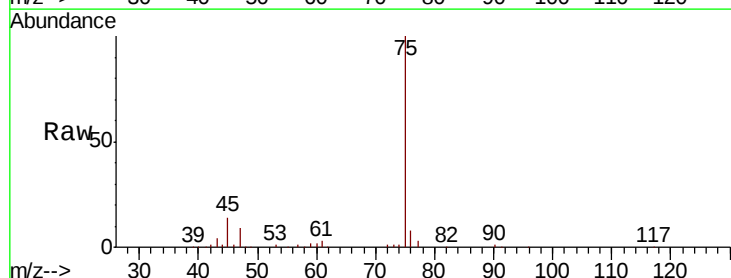
Instrument :
MSVOA_Y
ClientSampleId :

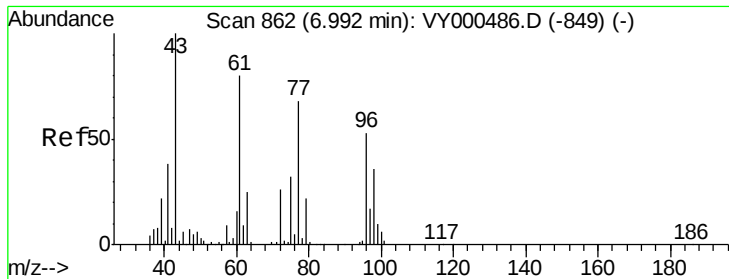
Tot Ion: 84 Resp: 8683
Ion Ratio Lower Upper
84 100
49 104.3 100.2 150.4
51 27.3 29.6 44.4#
86 57.5 48.3 72.5



#25
2-Butanone
Concen: 5.143 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY000541.D
Acq: 06 Nov 2019 11:12

Tgt Ion: 43 Resp: 5228
Ion Ratio Lower Upper
43 100
72 22.1 20.9 31.3





#26

2,2-Dichloropropane

Concen: 1.390 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY000541.D

Acq: 06 Nov 2019 11:12

Instrument :

MSVOA_Y

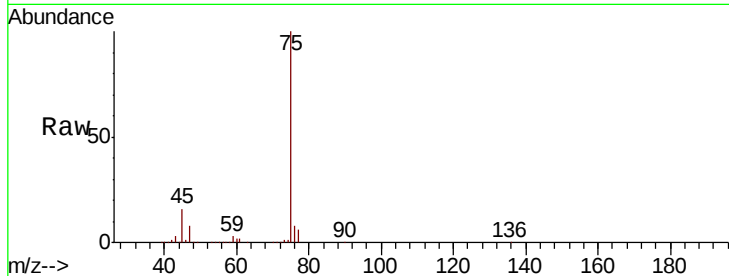
ClientSampleId :

Tot Ion: 77 Resp: 5425

Ion Ratio Lower Upper

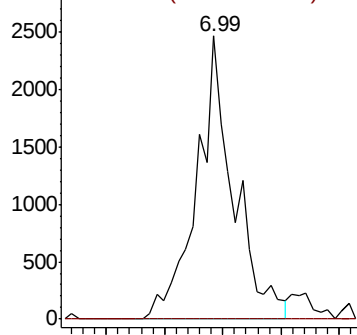
77 100

97 0.0 11.8 35.4#

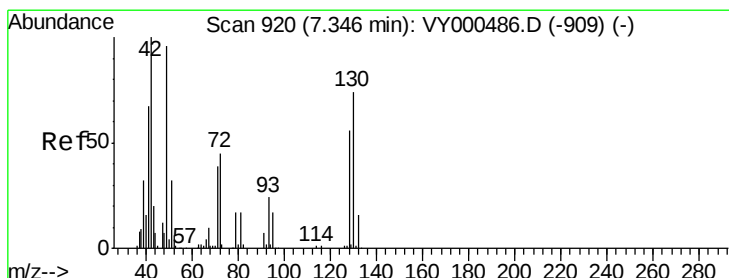
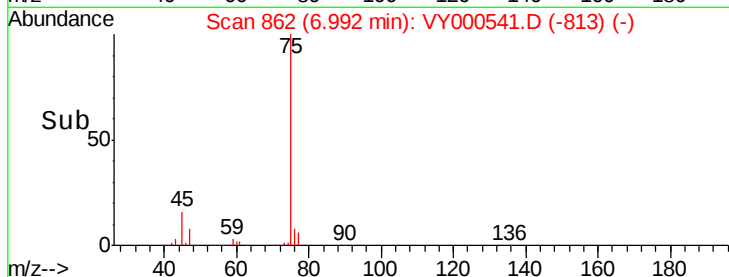


Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



Time-->



#28

Bromochloromethane

Concen: 4.134 ug/l

RT: 7.34 min Scan# 919

Delta R.T. -0.01 min

Lab File: VY000541.D

Acq: 06 Nov 2019 11:12

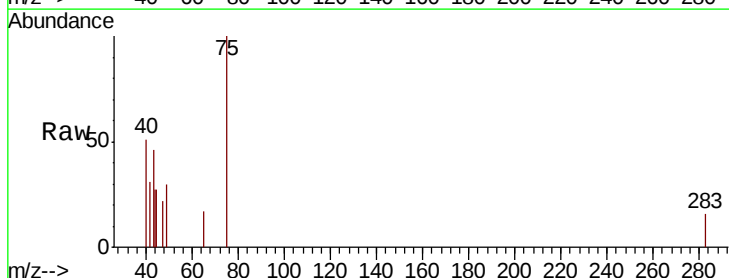
Tgt Ion: 49 Resp: 87

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

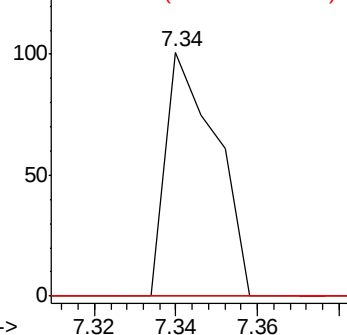
130 0.0 59.4 89.0#



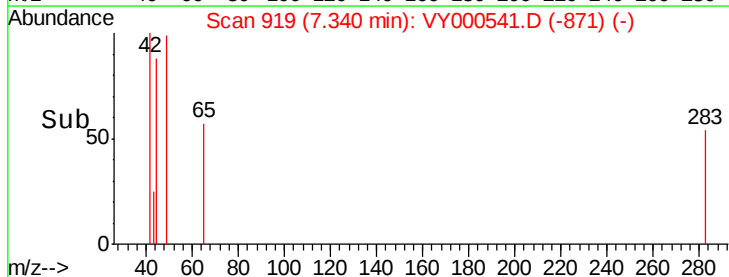
Abundance Ion 48.90 (48.60 to 49.60): VY0

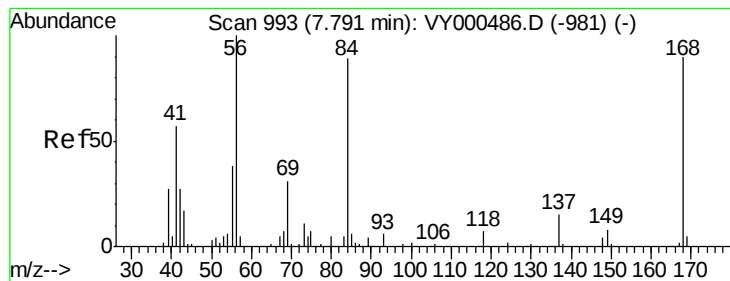
Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



Time-->





#31

Cyclohexane

Concen: 1.137 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

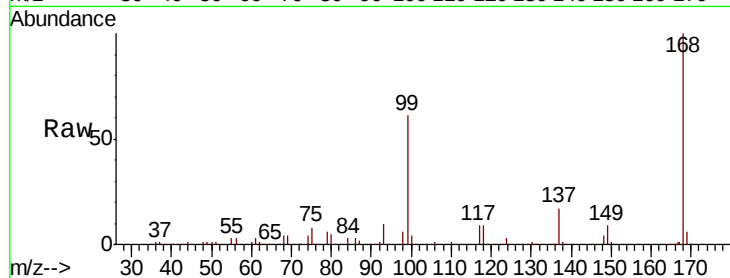
Lab File: VY000541.D

Acq: 06 Nov 2019 11:12

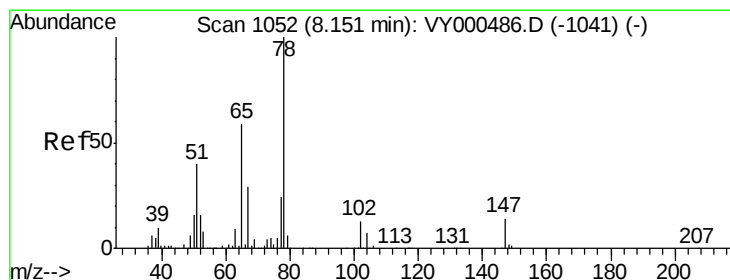
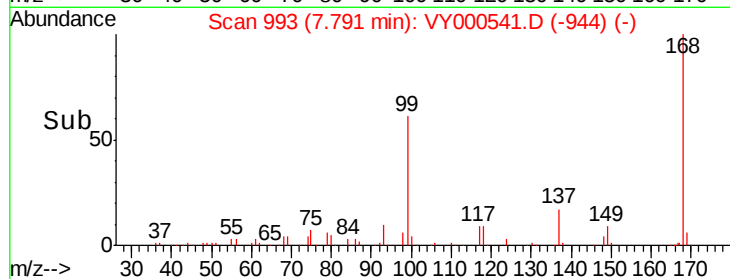
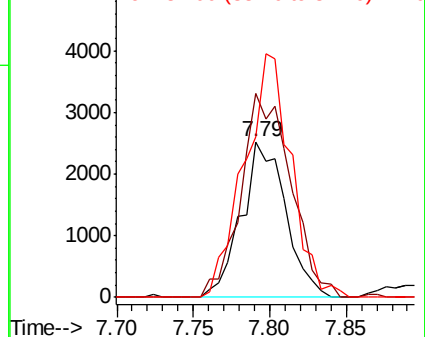
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 5085

Ion	Ratio	Lower	Upper
56	100		
69	131.2	25.0	37.6#
84	103.4	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: 56.137 ug/l

RT: 8.15 min Scan# 1052

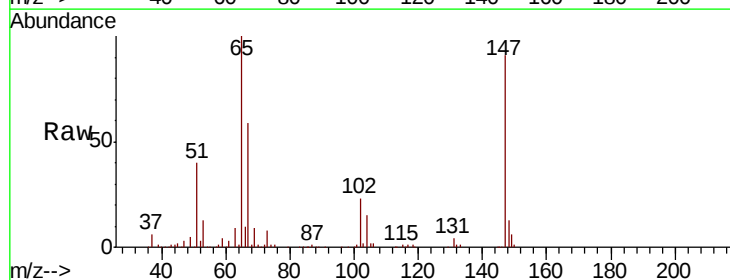
Delta R.T. 0.00 min

Lab File: VY000541.D

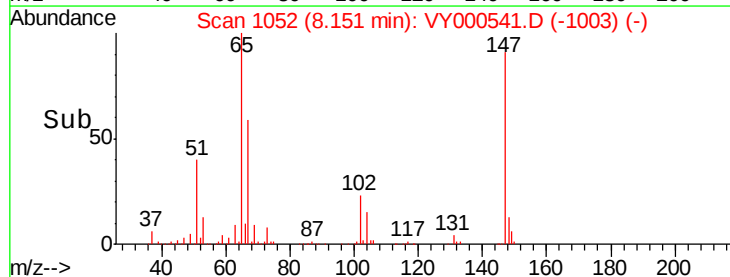
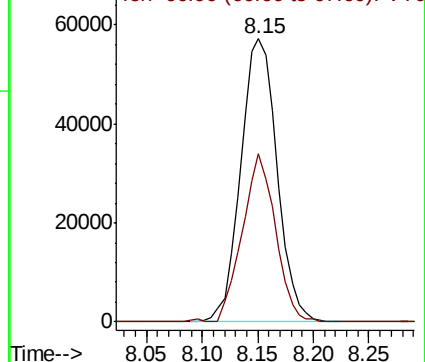
Acq: 06 Nov 2019 11:12

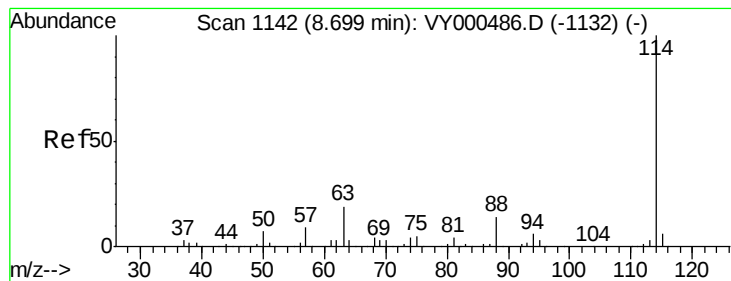
Tgt Ion: 65 Resp: 129746

Ion	Ratio	Lower	Upper
65	100		
67	54.2	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: VY000541.D

Acq: 06 Nov 2019 11:12

Instrument :

MSVOA_Y

ClientSampleId :

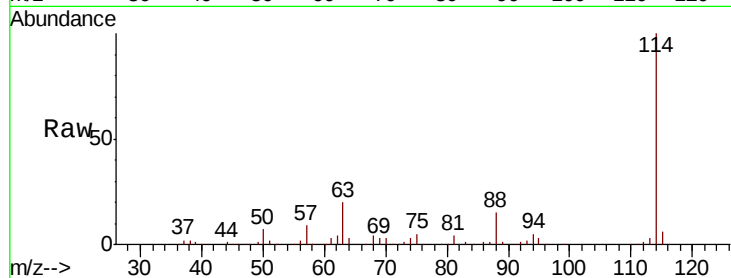
Tot Ion:114 Resp: 392429

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.0

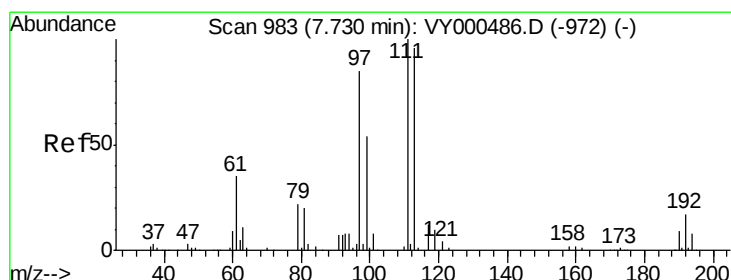
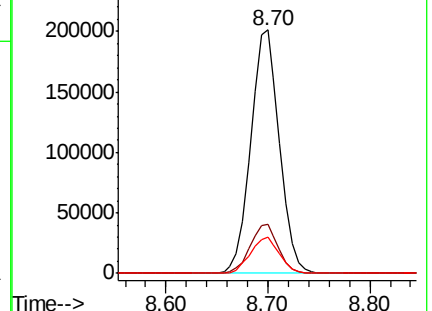
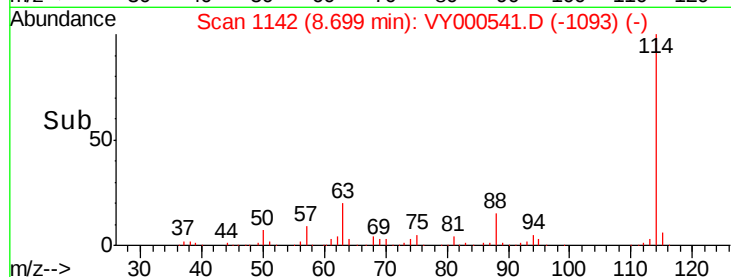
88 14.9 0.0 28.6



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: 50.775 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000541.D

Acq: 06 Nov 2019 11:12

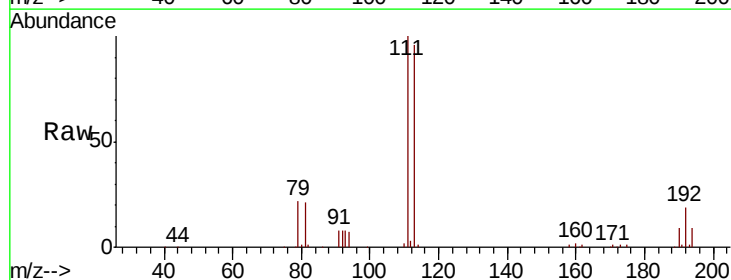
Tgt Ion:113 Resp: 116977

Ion Ratio Lower Upper

113 100

111 100.5 81.7 122.5

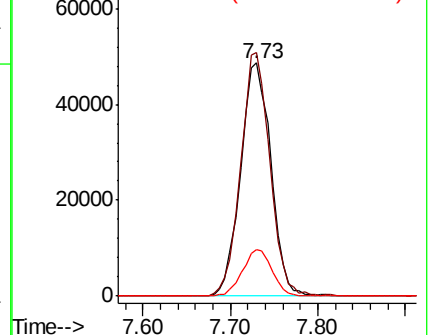
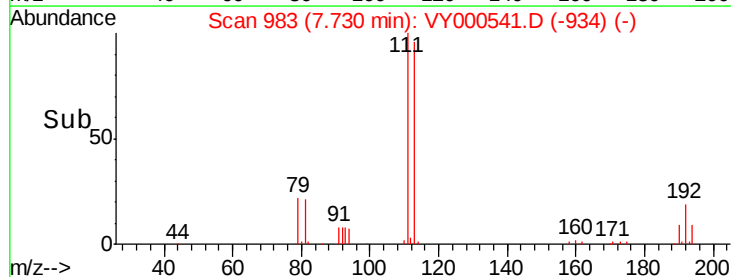
192 19.3 15.0 22.4

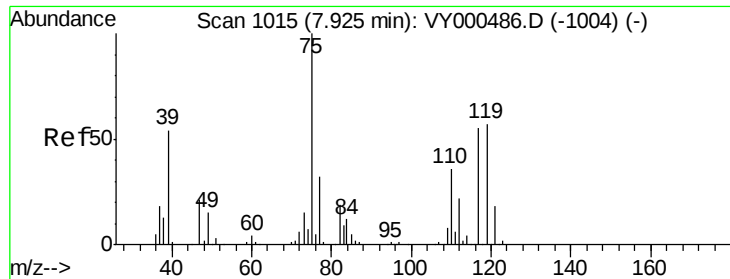


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

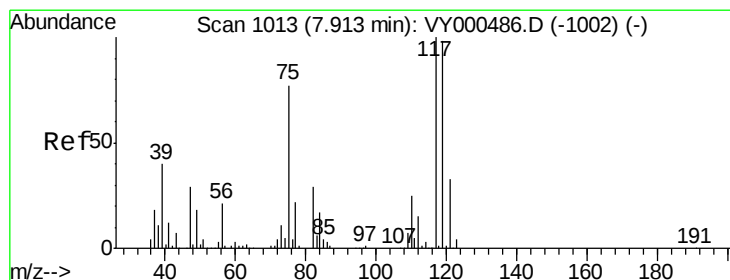
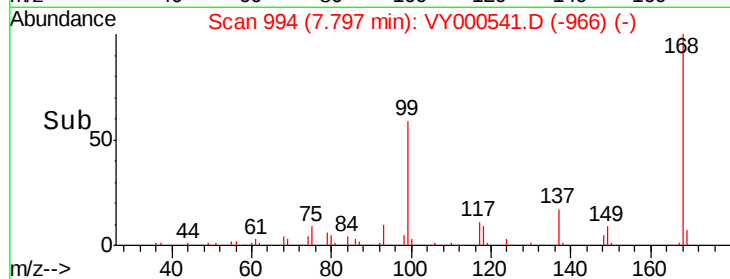
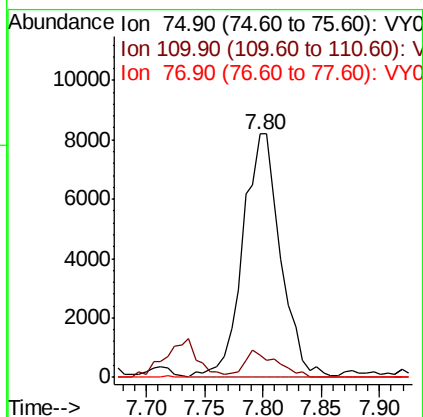
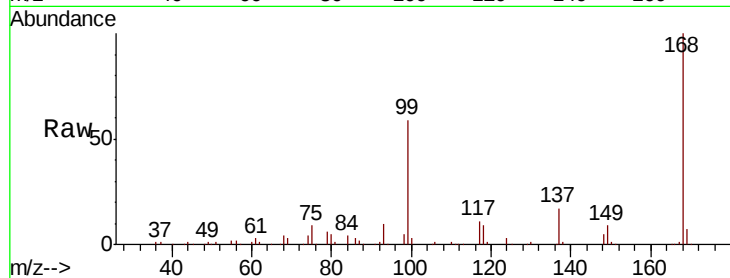




#36
 1,1-Dichloropropene
 Concen: 4.999 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000541.D
 Acq: 06 Nov 2019 11:12

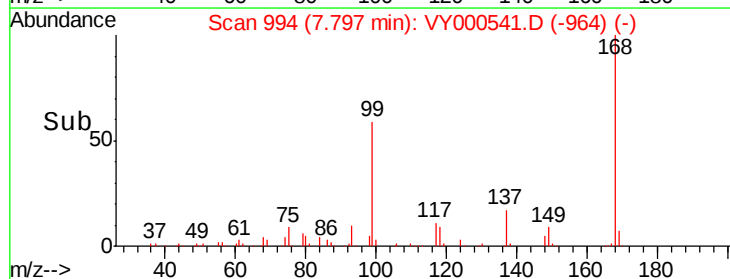
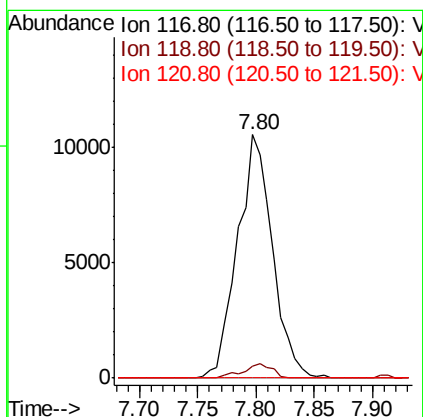
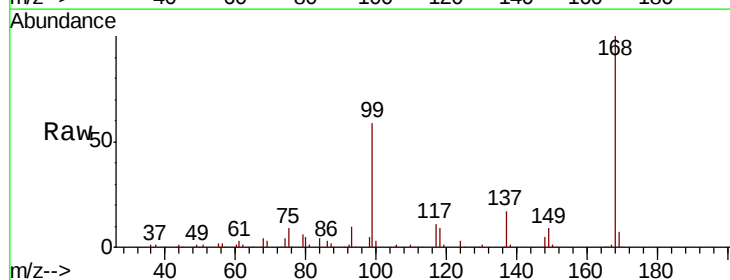
Instrument :
 MSVOA_Y
 ClientSampled :

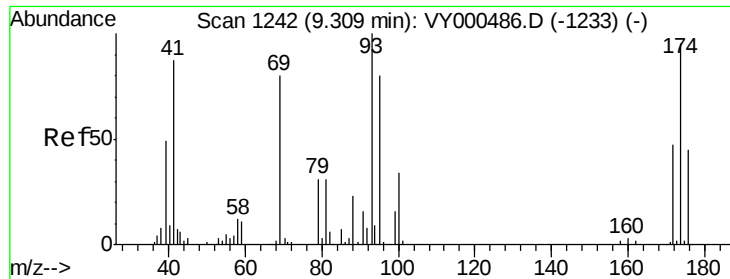
Tot Ion	75	110	77	Resp	18544	Lower	Upper
Ratio	100	9.6	0.0				
		18.1	25.0				
		54.1#	37.6#				



#38
 Carbon Tetrachloride
 Concen: 6.188 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000541.D
 Acq: 06 Nov 2019 11:12

Tgt Ion	117	119	121	Resp	22091	Lower	Upper
Ratio	100	4.7	0.0				
		78.0	26.6				
		117.0#	40.0#				

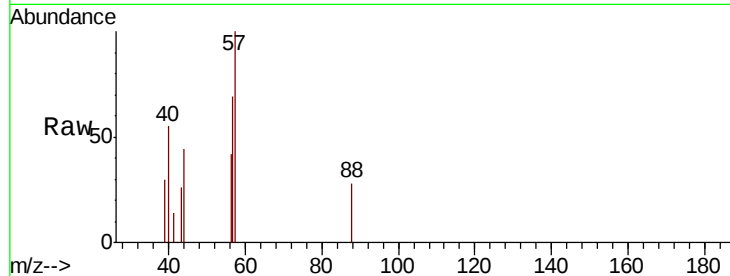




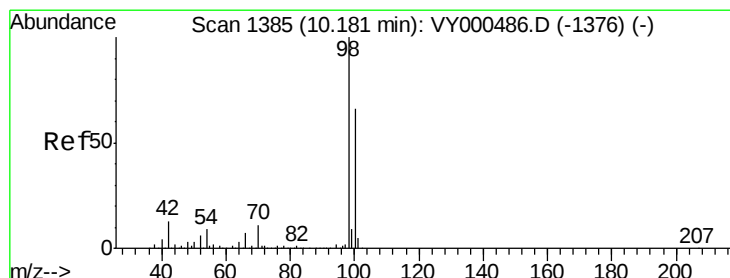
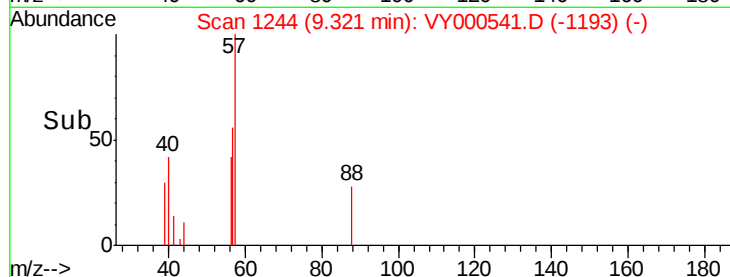
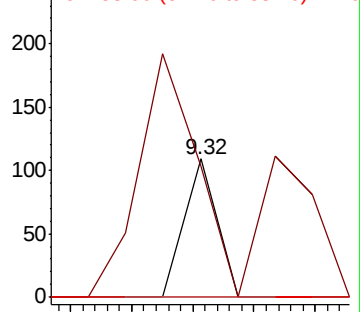
#49
1,4-Dioxane
Concen: 2.019 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY000541.D
Acq: 06 Nov 2019 11:12

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 317.5 25.1 37.7#
58 0.0 50.6 75.8#

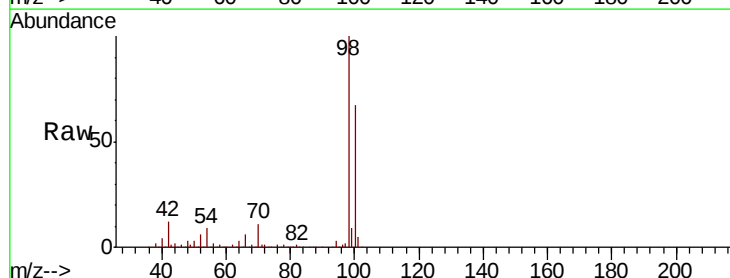


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

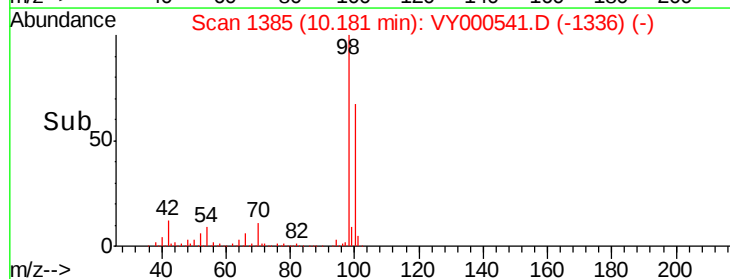
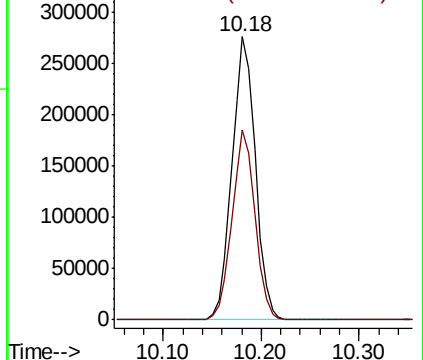


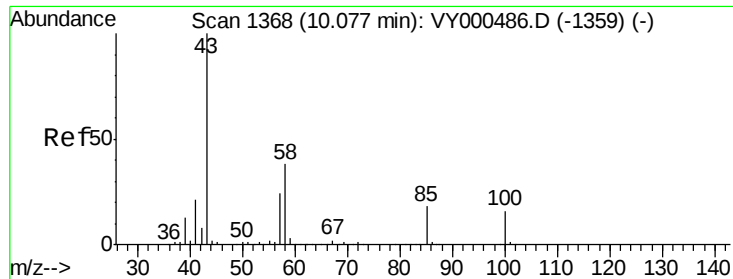
#50
Toluene-d8
Concen: 52.374 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY000541.D
Acq: 06 Nov 2019 11:12

Tgt Ion: 98 Resp: 457838
Ion Ratio Lower Upper
98 100
100 65.8 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: 1.521 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY000541.D

Acq: 06 Nov 2019 11:12

Instrument :

MSVOA_Y

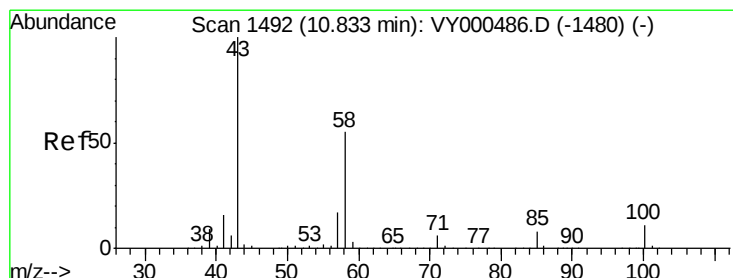
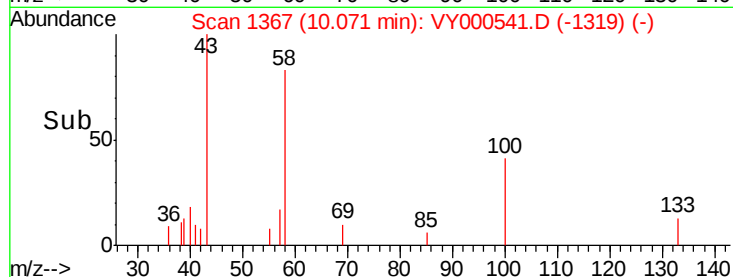
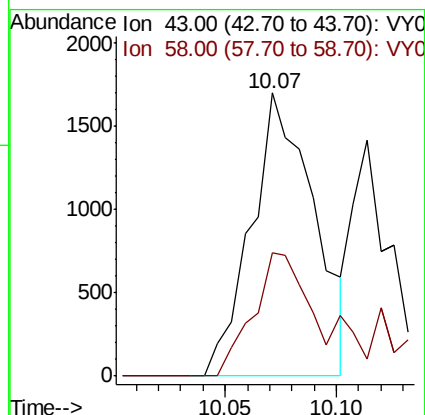
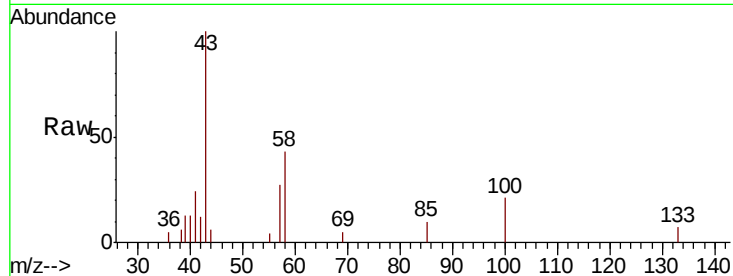
ClientSampleId :

Tot Ion: 43 Resp: 3346

Ion Ratio Lower Upper

43 100

58 45.8 30.2 45.4#



#59

2-Hexanone

Concen: 1.807 ug/l

RT: 10.83 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VY000541.D

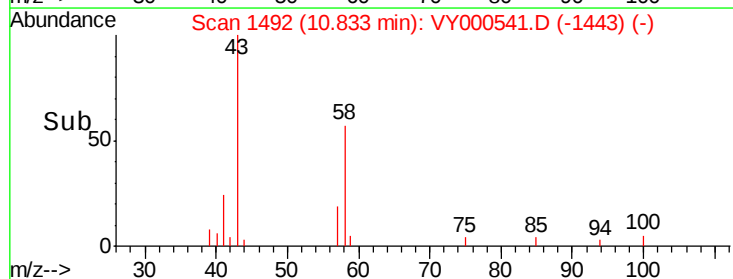
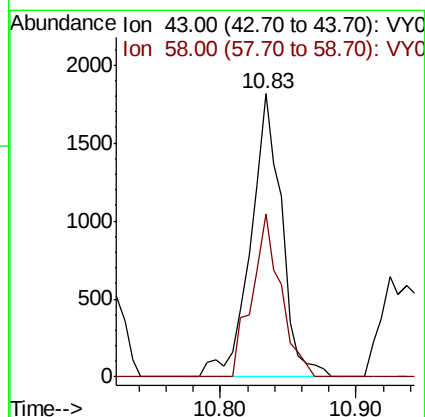
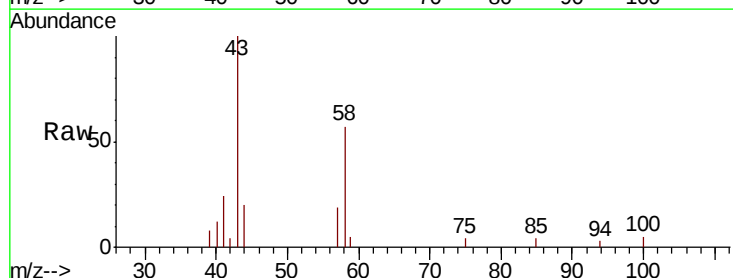
Acq: 06 Nov 2019 11:12

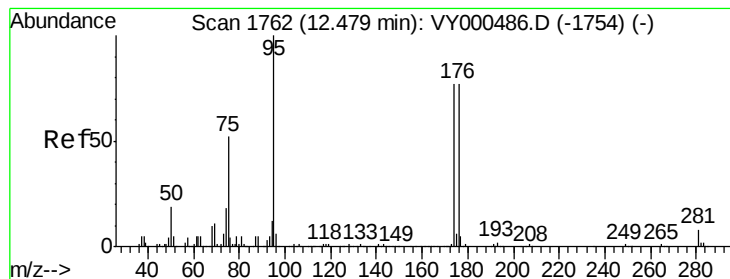
Tgt Ion: 43 Resp: 2896

Ion Ratio Lower Upper

43 100

58 53.6 27.1 81.3





#62

4-Bromofluorobenzene

Concen: 45.859 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000541.D

Acq: 06 Nov 2019 11:12

Instrument :

MSVOA_Y

ClientSampleId :

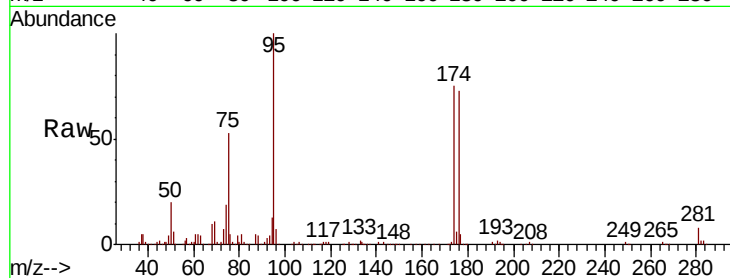
Tot Ion: 95 Resp: 152617

Ion Ratio Lower Upper

95 100

174 80.6 0.0 161.6

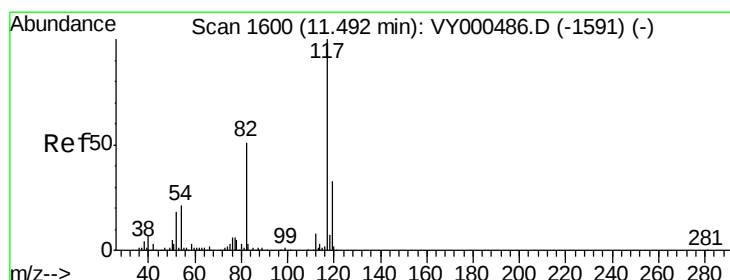
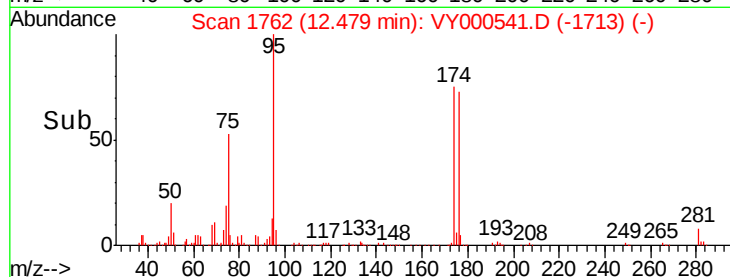
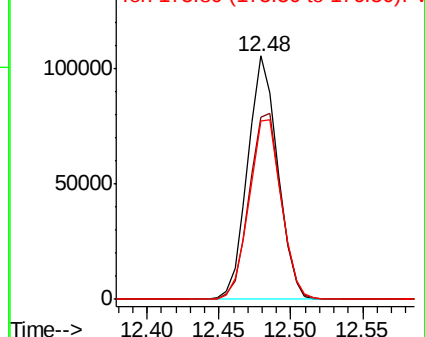
176 78.7 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VY000541.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY000541.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY000541.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY000541.D

Acq: 06 Nov 2019 11:12

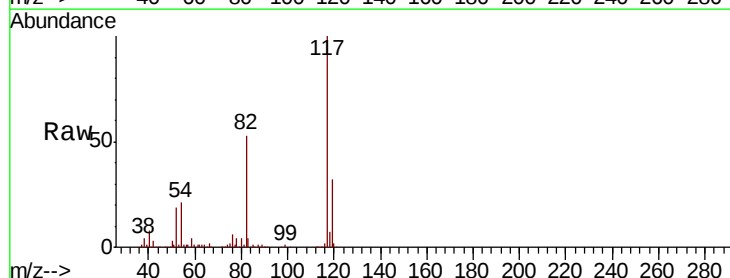
Tgt Ion: 117 Resp: 345715

Ion Ratio Lower Upper

117 100

82 53.0 40.8 61.2

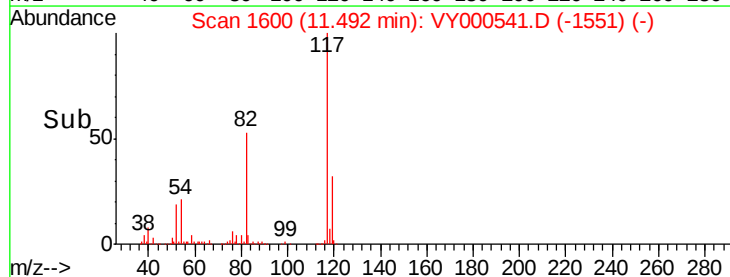
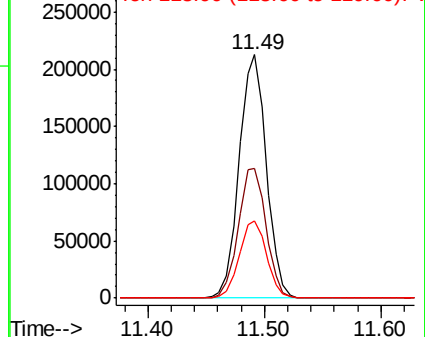
119 32.0 26.2 39.2

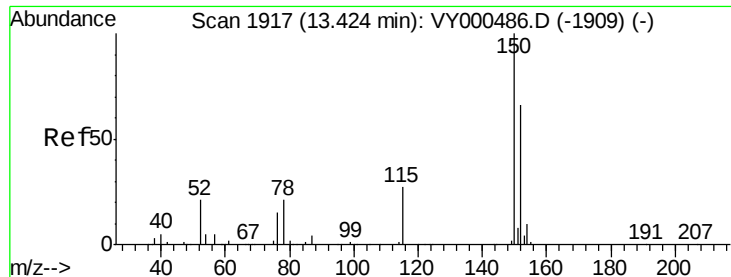


Abundance Ion 116.90 (116.60 to 117.60): VY000541.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY000541.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY000541.D (-1591) (-)



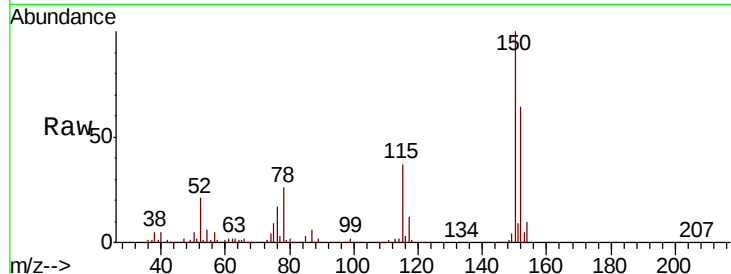


#72

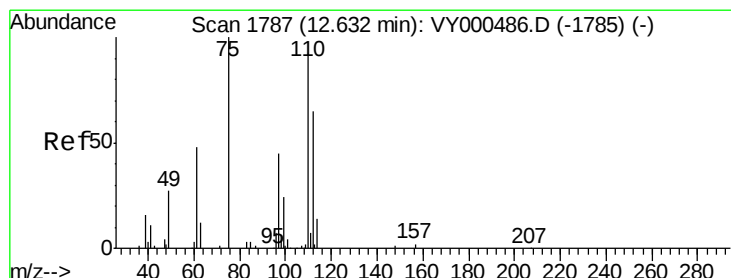
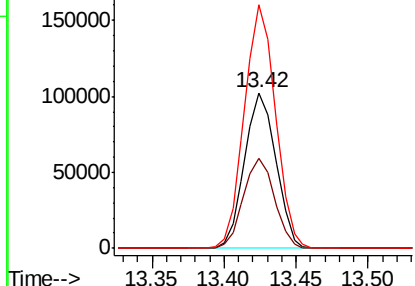
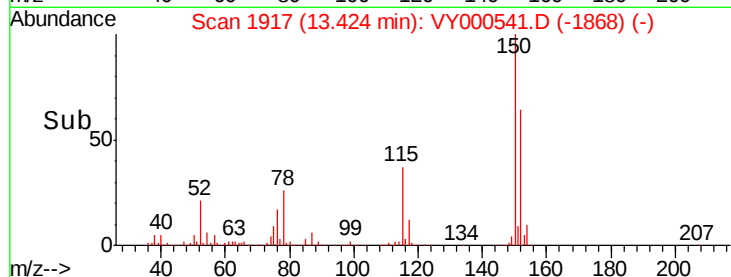
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000541.D
Acq: 06 Nov 2019 11:12

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 154529
Ion Ratio Lower Upper
152 100
115 57.7 29.1 87.4
150 155.1 0.0 348.8



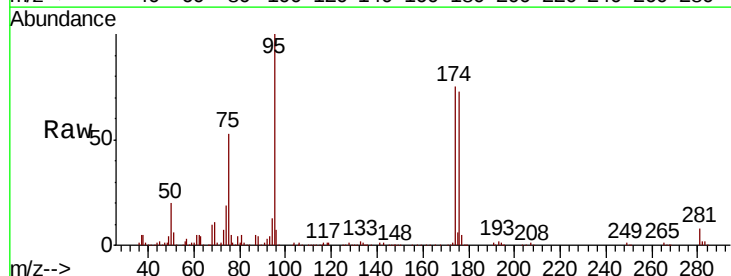
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



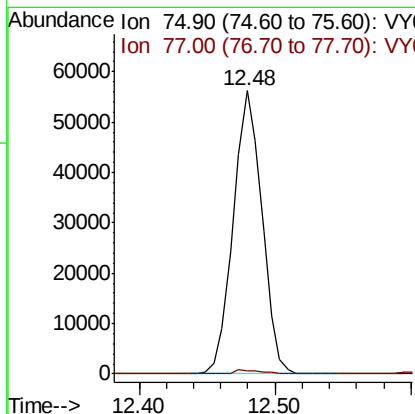
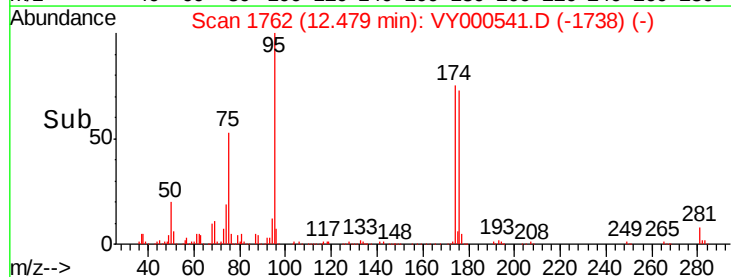
#76

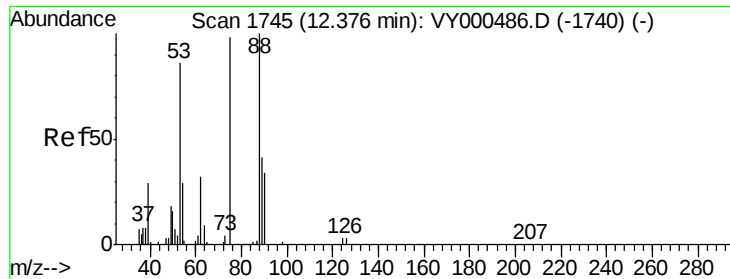
1,2,3-Trichloropropane
Concen: 46.984 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000541.D
Acq: 06 Nov 2019 11:12

Tgt Ion: 75 Resp: 82669
Ion Ratio Lower Upper
75 100
77 1.2 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: 105.344 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000541.D

Acq: 06 Nov 2019 11:12

Instrument :

MSVOA_Y

ClientSampleId :

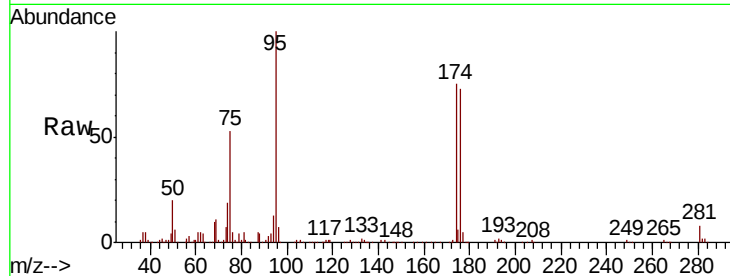
Tot Ion: 75 Resp: 82669

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

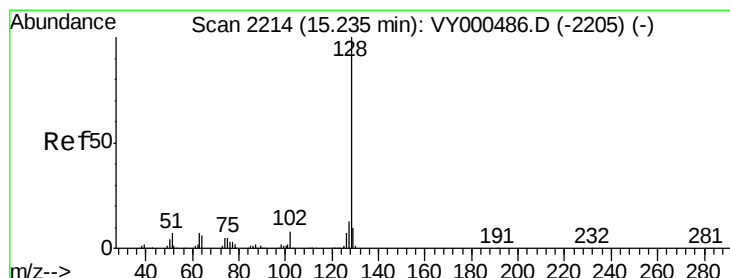
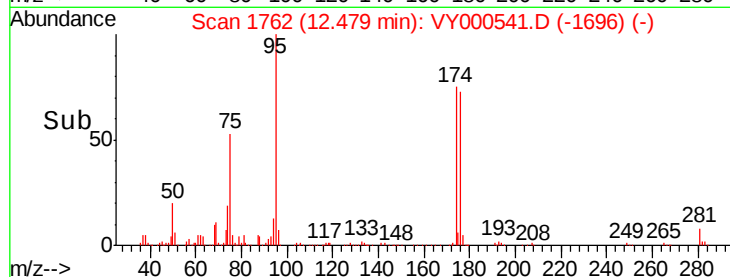
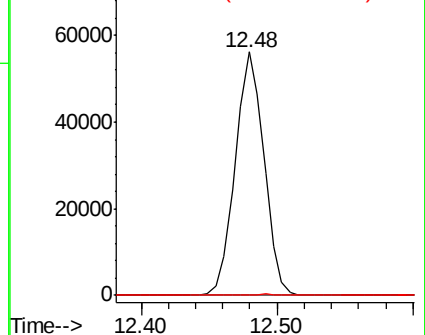
89 0.3 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VY000541.D (-1740) (-)

Ion 53.00 (52.70 to 53.70): VY000541.D (-1740) (-)

Ion 88.90 (88.60 to 89.60): VY000541.D (-1740) (-)



#95

Naphthalene

Concen: 1.129 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000541.D

Acq: 06 Nov 2019 11:12

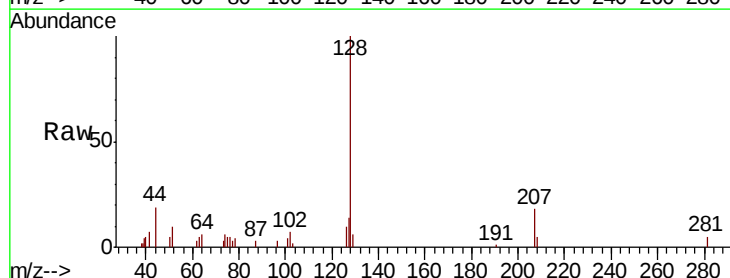
Tgt Ion: 128 Resp: 7854

Ion Ratio Lower Upper

128 100

127 15.1 9.8 14.6#

129 8.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): VY000541.D (-2205) (-)

Ion 127.00 (126.70 to 127.70): VY000541.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VY000541.D (-2205) (-)

